NOTE:
FOR NOTES, REFERENCES, REFERENCE DRAWINGS AND LEGENDS, SEE 9321-F-27193, SH.3.

ISI-27383

LOOP 1 (RCS) | LOOP 2 (RCS) | LOOP 3 (RCS) | LOOP 4 (RCS)

508A 505A 511A 515A
508B 505B 511B 515B

3/8"-#447 | SS 316 CL.151R | SS 316 CL.151R

712 711 706 707

2-WD-151R

2-WD-151R 2"-#71 557A PUMP #31
2-WD-151R 2"-#72 557B PUMP #32
2-WD-151R 2"-#73 557C PUMP #33
2-WD-151R 2"-#74 557D PUMP #34

REACTOR COOLANT PUMP SECONDARY SEAL LEAKAGE ISI-27383

2"-#82 2-WD-151R | 2"-#83 2-WD-151R | 2"-#84

3-WD-151R 3"-#82

CH-215
EXCESS LETDOWN HEAT EXCHANGER (CVCS) 9321-F-27363
3/4"-#412 3/4-WD-151R
1"-#98

3/4" 1753 WD-534 3/4"-WD-537

3" X 2"

ACCUMULATOR DRAIN TANKS 9321-F-27353
#31 #32 #33 #34
896A 896B 896C 896D

1"-#339 1-WD-151R

3/8" TUBING

REACTOR FLANGE LEAKOFF (RCS) 9321-F-27383
3/4"-#445 3/4-RC-2501R

1-WD-151R VALVE LEAK-OFFS 9321-F-26473

2-WD-151R

REFUELING CANAL DRAIN
6" 6" X 4" 4-WD-151R 4" X 3" 1708 3" 516

4" BLIND FLANGE TO BE INSTALLED ONLY DURING REFUELING

3-WD-151R 3" 1711 4" X 3"

RESIDUAL HEAT REMOVAL SPRAY HEADER DRAINS 9321-F-27353
1"-#797 1-WD-151R

CONTAINMENT SUMP VIA OPEN TRENCH
2"-#87 2-WD-151R 712
ST 1004
1-WD-151R 1"-#87 4"-#86 4-WD-151R

3/4-WD-151R V 1713
3/4"-#30 1717 3/4-WD-151R
3/4" X 3/8"

1"-#23 1-WD-152R 1716 SS CS

WD-255
2" 1714
LT 1103 TT 1058
2" 1715
1683 3/4" D

REACTOR COOLANT DRAIN TANK #31
ITEM: WDATRC1

3"-#88 3-WD-151R 1744

PRESSURIZER RELIEF TANK 9321-F-27473
3"-#85 RCS-523 3-WD-151R 1608

3/8" TUBING WD-533

2"-#88 2-WD-151R 1609 FC

3-WD-151R

3/8" TUBING
LCV 1003B FC RO 3"-#88 #32 1-1/2"
PI 10188 1700B 3/4-WD-151R 1721 1738 224 3/4" D

3/8" TUBING WD-301
LCV 1003A FC RO 3"-#88 #31 1-1/2" 1"
PI 10184 1700A 3/4-WD-151R 2" 1722 1739 222 3/4" D
2"-#40 2-WD-151R

REACTOR COOLANT DRAIN PUMPS

3-WD-151R 3"-#3060

PS 1016 D 3/4" 515
3-WD-151R 4"#3052 4" X 3" 3" 517
3/4" 513 510 509 2" 3" X 2" 2" 512 2" 511
2" B.F.
REFUELING CAVITY DRAIN PUMP

3"-#40 2-WD-151R 305 TRENCH

36" C.B. PURGE EXHAUSTER 9321-F-40333

PRESSURIZER RELIEF TANK 9321-F-27473
RCS-516 3/4"-#610 3/4-WD-152R
SS CS
3/4"-#3020 9321-F-27473

3/8"-#30 3/8-WD-2505R
3/4" X 3/8" STATION AIR 9321-F-20353 3/4" SA-501 PRT EXHAUSTER

36" C.B. PURGE EXHAUSTER 9321-F-40333
2-WD-152R
PI 3100 1/4" 1/2" 198 1/2" 197
1-WD-152R 196
8" AIR SEPARATOR

FILL CONN.
16" WATER TRAP
2" 194 2-WD-152R 2-WD-152R
FUTURE CONNECTION 1"DR. 2" 195 TRENCH
1-WD-152R WD-188 193 92
PRESSURIZER RELIEF TANK 9321-F-27473

INSIDE CONTAINMENT | OUTSIDE CONTAINMENT

PREVIOUSLY ABANDONED IN PLACE

WD-256 V 3/4" WD-260 11" B.F. WD-257 11" B.F.
VENT TANK
WD-261 1"-WD WD-259 WD-258 D 3/4"

TEST VENT CONNECTION
1-WD-152R PCV 1014 668 1781 616 1659 N2 ISI-27233
1610 14 C.I.V. C.I.V. 152R 152N
I C.I.V. SEE DWG. ISI-27463 C.I.V.
1-WD-152R 1"-#67 MO 1786 1787 1-WD-152R 1"-#23 2-WD-152R LINE#106 (VH) SEE DWG. 9321-F-27303
1788 1789 PCV 1069 D 3/8-WD-2505R 1/4" GA 9321-F-27253
3/4" X 3/8" C.I.V. 3/4-WD-151R C.I.V. 1077
IVSMS SEE DWG. ISI-27463

9321-F-27193 SHT. 2
9321-F-27503
3"-#3058 3-WD-151R 3"-#127 1733
507
C.I.V. C.I.V.
3"-#40 MO 1702 1705 191 3-WD-151R 1700 CVCS HOLDUP TANKS 9321-F-27373
IVSMS 189 1730
SEE DWG. ISI-27463
190 3"-#3022 3-WD-151R 3"-#418 3-WD-151R 1731
9321-F-27513 SHT. 2
9321-F-27193 SHT. 3
C.I.V. C.I.V.
2"-#338 MO 1726 1723 SEE DWG. 9321-F-27193 SH.2
IVSMS
CLASS I SECTION OF LINE #338 IS FOR CONTAINMENT ISOLATION PURPOSES ONLY. MAKE TRANSITION TO CLASS III AT ANY CONVENIENT LOCATION JUST INSIDE CONTAINMENT
SEE DWG. ISI-27463

2"-#338 2-WD-151R
1759 1757
3/4" V 226 3/4" V 225
1760 1758
SJF 4-1
#314 #313
LS 074 LS SP 314 LS SP 313
LT 1255 LT 1256
SKF 2-5 SKF 2-6 LS 1076
SUMP PUMP NO. 1 SUMP PUMP NO. 2
RX SUMP PUMPS

CONTAINMENT SUMP PUMPS

NOTES:
1. (XX) =PENETRATION NUMBER (REF.F.S.A.R.)
2. THIS DWG. SHALL BE USED ONLY FOR DETERMINING THE EXTENT OF THE INSERVICE INSPECTION BOUNDARIES.
3. 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.
4. ALL CONTAINMENT PENETRATIONS ARE ISI CLASS MC.
5. ISI BOUNDARY ENDS AT FIRST WELD INSIDE OR OUTSIDE CONTAINMENT BUILDING UNLESS OTHERWISE NOTED.

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

REV NO	DATE	DESCRIPTION	CLG CHK	DM NV	MSM	REG APP
14	12/00	PENETRATION PIPING CHANGED BACK TO ORIGINAL CLASSIFICATION	CLG	DM	MSM	REG
13	1/30/98	UPDATED TO 9321-F-27193 SH.1, REV.43, 44 & 45	TS NV	JM	REG	AVE
12	3/1/97	UPDATED PER 1992 EDITION OF ASME SECT XI SUBSECTIONS IWE/IWL	TS NV	JM	REG	AVE
11	3/13/96	UPDATED TO 9321-F-27193 SH.1, REV.42	DM NV	MSM	REG	-
10	12/28/95	UPDATED TO 9321-F-27193 SH.1, REV.40 & 41	DM NV	MSM	REG	-
9	7/18/95	UPDATED TO 9321-F-27193 SH.1, REV.38 & 39	CLG NV	MSM	REG	-
8	5/1/95	UPDATED PER ENGINERING REQUEST.	CLG NV	MSM	REG	-

REVISIONS

ISI DRAWING
THIS DRAWING WAS CREATED FROM 9321-F-27193, SH.1

DWN / CHK'D	
DES SUPV	INDIAN POINT NO.3 NUCLEAR POWER PLANT
DISCIPLINE ENG	
DISCIPLINE DIR	FLOW DIAGRAM WASTE DISPOSAL SYSTEM SHEET NO.1-CONTAINMENT
PROJ APPROVAL	
DATE	

NewYorkPower Authority

SCALE NONE | DWG NO ISI-27193 | REV 14 | SHEET 1

Docket # 50-286
Accession # 8003280264
Date 1/31/2000 of Ltr
Regulatory Docket File

THIS IS A COMPUTER AIDED DESIGN DRAWING. A RECORD OF THE REVISIONS OF THIS DOCUMENT WITH APPROVAL INITIALS/SIGNATURES, IS MAINTAINED IN THE FILES OF THE NEW YORK POWER AUTHORITY.

COMMENT= DRAWN BY=MSM SCALE=1.0000 DRAWID=ISI-27193-001 | LAST FILE=00012 11:38
GROUP=DP DATE=JAN 20 ACCESS=WORK
USER=DP-DSKMEA
LOGIN: 11