

DETAIL 'A'  
NOTE 34

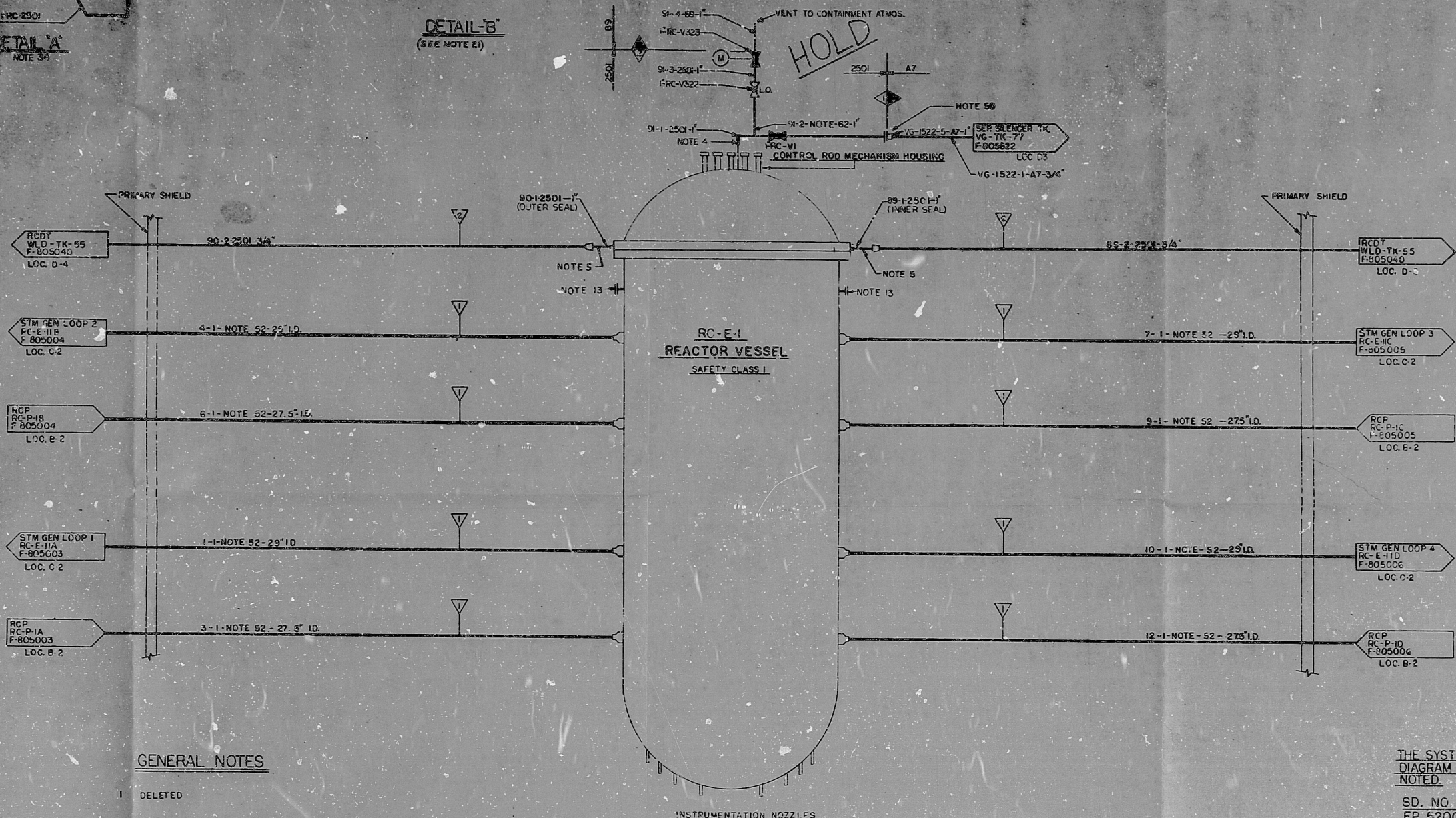
FLOW RESTRICTION FOR  
SAFETY CLASS 1 TO 2  
TRANSITION TYPICAL  
FLOW RESTRICTOR.



DETAIL 'B'  
(SEE NOTE 2)

1/4" COUPLER CONNECTION  
SIZES TO 0.000 LBS. ASA HALF  
COUPLER REQUIRED FOR 0.075 LBS.

THE LOCATION OF THE POINT  
SECTION IN THIS CASE CLASS  
SECTION OF THE SYSTEM  
ON THIS DRAWING AND CORRESPOND  
TO THE CONSTRUCTION AND CORRESPOND  
DATE 11-17-80 *John P. Doe*



GENERAL NOTES

- 1- DELETED
- 2- SPRAY LINE SCOOP
- 3- ELBOW FLOW METER
- 4- VENT PIPE FURNISHED WITH REACTOR VESSEL HEAD
- 5- HEAD GASKET MONITORING CONNECTIONS FURNISHED WITH REACTOR VESSEL
- 6- RTD INSTALLED IN WELL
- 7- LOCATE CONNECTION IN BOTTOM HALF OF REACTOR COOLANT PIPING ON 45° ANGLE TO VERTICAL
- 8- DELETED
- 9- PLACE AS CLOSE AS POSSIBLE TO REACTOR VESSEL NOZZLE
- 10- LOCATE BELOW LEVEL OF REACTOR VESSEL FLANGE
- 11- VENT HOLE PROVIDED
- 12- SLOPE SPRAY PIPE DOWNWARD TO PROVIDE WATER SEAL BETWEEN PRESSURIZER AND SPRAY VALVES
- 13- FLANGED DOWN FOR HYDROTEST
- 14- PLACE DETECTORS AT BOTTOM OF PIPE SURFACE MOUNT
- 15- SLOPE PIPE DOWNWARD TO PROVIDE WATER SEAL BETWEEN PRESSURIZER AND RELIEF VALVES
- 16- LOCATE APPROXIMATELY MIDWAY BETWEEN LOOP AND PRESSURIZER
- 17- AGE TO FURNISH 600 LB ASA FLANGES. FLANGE END ON A7
- 18- LOCATE AS CLOSE AS POSSIBLE TO PRESSURIZER RELIEF TANK
- 19- DELETED
- 20- DRAIN LINES TO BE SLOPED DOWN FROM LOOP SEALS TO CONNECT WITH FRT HEADER LINE
- 21- SEE DETAIL 'B' THIS DWG.
- 22- DELETED
- 23- HOT LEG BY PASS LINE SCOOPS WHERE APPLICABLE ROTATE CONNECTIONS 90° TO PREVENT ALIGNMENT WITH SURGE LINE CONNECTION
- 24- RTD MANIFOLD PIPE AND RTD'S SUPPLIED AS A PACKAGE MANIFOLD APPROX 20" LONG
- 25- LOCATE RTD MANIFOLD ISOLATION VALVES AS CLOSE AS PRACTICABLE TO THE MANIFOLD
- 26- LOCATE CONNECTION ON UPPER 180° OF PIPE CIRCUMFERENCE
- 27- ALL BYPASS LOOP PIPING AND THE RTD MANIFOLD SHALL HAVE REMOVABLE INSULATION
- 28- LOCATE ROOT VALVE ABOVE ELEVATION OF REACTOR VESSEL NOZZLE
- 29- LENGTH OF HOT LEG 2" PIPE UPSTREAM OF RTD MANIFOLD (A) TO (B) TO BE AS SHORT AS POSSIBLE
- 30- LENGTH OF COLD LEG 2" PIPE UPSTREAM OF RTD MANIFOLD (C) TO (D) TO BE AS SHORT AS POSSIBLE
- 31- FLANGE IS INSTALLED FOR INSERTION OF FLOW LIMITING ORIFICE A/E WILL FURNISH BLANK ORIFICE
- 32- RTD MANIFOLD LOOP PIPING SHOULD HAVE ENOUGH FLEXIBILITY TO COOL DOWN TO 70°F WITH THE REACTOR COOLANT PIPING AT 520°F
- 33- TEMPORARY READOUT FOR SELECTED PUMP MONITORING CONNECT TO VIB. TRANS. AS REQUIRED
- 34- PARALLEL PIPE PATHS SHOULD BE OF APPROXIMATE EQUIVALENT LENGTHS WITH FLOW PATHS NOT EXCEEDING 60' PENETRATIONS SHOULD BE IN THE SAME VERTICAL PLANE
- 35- VALVE INTERLOCKED WITH REACTOR COOLANT PRESSURE
- 36- CONDENSATE TEE AND BELLOW CHAMBER SEE ① I & C 3TD SECT 30 PAGES 22 & 23
- 40- \* INDICATES VALVE SUPPLIED BY WESTINGHOUSE
- 41- BRANCH CONNS TO THE COMMON RELIEF HEADER ARE TO BE IN ACCORDANCE WITH ① STR 1.21
- 42- LOCATE CHECK VALVES CLOSE TO RC PUMP
- 43- LOCATE CHECK VALVE CLOSE TO CONTAINMENT
- 44- LOCK OPEN AT MOTOR CONTROL CENTER
- 45- SPOOL PIECE WITH BLIND FLANGE EXCEPT DURING DRAINING OF CROSSOVER LEG
- 46- BOTTOM OF STANDPIPE TO BE 22±0.5 FT ABOVE CONN TO 3 SEAL
- 47- RCP NEW LINE NOS. TO AND FROM RC PUMPS SEE DWG. F-805008 FOR LOOP B & F-805029 FOR LOOP A
- 48- TOP OF LOOP TO RISE 6" ABOVE 2 SEAL LEA-OFF DOWN SLOPE PIPING DOWNWARD THRU RUN TO RCPT. LOCATE CHECK VALVE AT LEVEL OF RCPT.
- 49- FOR TCS & TV'S PROVIDE 3/8 SWAGelok FITTING. LOCATE TCS OR TV'S ON BOTTOM OF PIPE TO FACILITATE DRAINING (TYP. FOR LOOPS 1,2,3 & 4)
- 50- SPOOL PIECE TO BE INSTALLED ONLY DURING DRAINING OF STEAM GEN. CHANNEL HEAD

REFERENCE DRAWINGS  
9763-F-805003-RC SYS - LOOP 1  
805004 - 2  
805005 - 3  
805006 - 4  
805007 - PRESSURIZER  
FP 50305 - RC SYS DIAG  
FP 50306 -  
FP 50307 -  
9763-M-506620 THRU 9763-M-506640 INSTR  
503740 THRU 503748  
506001 THRU 506009  
503101 THRU 503105  
FP 52009 INSTR  
FP 70001

THE SYSTEM PREFIX FOR THIS  
DIAGRAM IS 'RC' UNLESS OTHERWISE  
NOTED

SD. NO. NAH/MCH 281  
FP 52009 UE & C

FOR FLOW DIAGRAM REF DWGS.  
SYMBOLS & ABBREVIATIONS  
SEE DWG. 9763-F-805001

NOTE  
HOLD IN ZONE D-2

TERA  
APERTURE  
CARD

REV.	DATE	DESCRIPTION	BY	CHKD.	APP'D.
1	11-17-80	ISSUED FOR CONSTRUCTION	J.P.	J.P.	J.P.
2	11-17-80	REVISED AS PER DEN	J.P.	J.P.	J.P.
3	11-17-80	REVISED AS PER DEN	J.P.	J.P.	J.P.
4	11-17-80	REVISED AS PER DEN	J.P.	J.P.	J.P.

REACTOR COOLANT SYSTEM  
REACTOR VESSEL  
P & I DIAGRAM  
PUBLIC SERVICE CO. OF NEW HAMPSHIRE  
SEABROOK STATION  
UNITS 1 AND 2 9763-F-805002



PDR

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