

CONTAINMENT PENETRATION	PENETRATION SIZE	LOCATION		LINE SIZE	QTY.	LINE DESCRIPTION	REMARKS	TYPE "B" TESTABLE PENETR.	TYPE "C" TESTABLE ISOLATION VALVES (INBOARD, OUTBOARD)	CONTAINMENT PENETRATION	PENETRATION SIZE	LOCATION		LINE SIZE	QTY.	LINE DESCRIPTION	REMARKS	TYPE "B" TESTABLE PENETR.	TYPE "C" TESTABLE ISOLATION VALVES (INBOARD, OUTBOARD)
		ELEVATION	AZIMUTH									ELEVATION	AZIMUTH						
X-200A	4'-0" I.D.	893'-0"	8'-6" FROM 45'	-	1	ACCESS HATCH				X-212	12"	877'-7 1/2"	5' FROM 112'30"	12"	1	RCIC TURBINE EXHAUST			RCIC-37, RCIC-15CV
X-200B	4'-0" I.D.	893'-0"	8'-6" FROM 225'	-	1	ACCESS HATCH				X-213A	8"	862'-4 1/2"	67'30"	8"	1	TORUS DRAIN	FLANGED (SEE NOTE 2)	DOUBLE O-RING	
X-201A	5'-11"	885'-10"	22'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED			X-213B	8"	862'-4 1/2"	247'30"	8"	1	TORUS DRAIN	FLANGED (SEE NOTE 2)	DOUBLE O-RING	
X-201B	5'-11"	885'-10"	67'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED			X-214	24"	877'-7 1/2"	340'	24"	1	HPCI TURBINE EXHAUST (SEE NOTE 5)		DOUBLE O-RING	HPCI-44, HPCI-15CV FOR HPCI TURBINE EXHAUST; RHR-MO167A, RHR-MO166A FOR RHR HX A VENT; RHR-MO167B, RHR-MO-166B FOR RHR HX B VENT; HPCI-AO70, HPCI-AO71 FOR HPCI TURBINE EXHAUST
X-201C	5'-11"	885'-10"	112'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED											DRIP LEG DRAIN; RHR-RV-20RV FOR RHR HX A SHELL SIDE RV DISCHARGE; RHR-RV-21RV FOR RHR HX B SHELL SIDE RV DISCHARGE	
X-201D	5'-11"	885'-10"	157'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED												
X-201E	5'-11"	885'-10"	202'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED												
X-201F	5'-11"	885'-10"	247'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED												
X-201G	5'-11"	885'-10"	292'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED												
X-201H	5'-11"	885'-10"	337'30'	5'-11"	1	VENT LINE	TYPE "A" TESTED												
X-202A	18"	880'-10 1/2"	22'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202B	18"	880'-10 1/2"	22'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202C	18"	880'-10 1/2"	67'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202D	18"	880'-10 1/2"	67'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202E	18"	880'-10 1/2"	157'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202F	18"	880'-10 1/2"	157'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202G	18"	880'-10 1/2"	202'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202H	18"	880'-10 1/2"	202'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202I	18"	880'-10 1/2"	247'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202J	18"	880'-10 1/2"	247'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202K	18"	880'-10 1/2"	247'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202L	18"	880'-10 1/2"	337'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-202M	18"	880'-10 1/2"	337'30'	18"	1	VACUUM BREAKER	TYPE "A" TESTED												
X-203A	1"	882'-8"	6' FROM 112'30"	1"	1	HYDROGEN/OXYGEN ANALYZER	TYPE "A" TESTED (SEE NOTE 5)	IF MODIFIED											
X-203B	1"	882'-8"	9' FROM 135'	1"	1	HYDROGEN/OXYGEN ANALYZER	TYPE "A" TESTED (SEE NOTE 5)	IF MODIFIED											
X-205	20"	890'-10 1/2"	292'30'	20"	1	VACUUM RELIEF FROM BLDG. VENT PURGE INLET	FOR REF. LEG OF PC-3B-1 0-30' TORUS LEVEL	DOUBLE O-RING FOR INBOARD FLANGE ON VALVES PC-233, 243 & 244	PC-233MV, PC-237MV FOR PURGE & VENT PC-243AV, PC-13CV FOR VACUUM RELIEF PC-244AV, PC-14CV FOR VACUUM RELIEF PC-1304MV, PC-1303MV DILUTION SUPPLY FOR LOOP A FROM SBNI										
X-206A	1"	882'-8"	8' FROM 135'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)												
X-206B	1"	870'-7"	8' FROM 135'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)												
X-206C	1"	882'-8"	7'-6" FROM 225'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)												
X-206D	1"	870'-7"	7'-6" FROM 225'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)												
X-207A	1"	878'-0"	22'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-207B	1"	878'-0"	67'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-207C	1"	878'-0"	112'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-207D	1"	878'-0"	157'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-207E	1"	878'-0"	202'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-207F	1"	878'-0"	247'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-207G	1"	878'-0"	292'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-207H	1"	878'-0"	337'30'	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE												
X-208A	10"	879'-11 1/2"	22'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-208B	10"	879'-11 1/2"	22'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-208C	10"	879'-11 1/2"	157'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-208D	10"	879'-11 1/2"	157'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-208E	10"	879'-11 1/2"	202'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-208F	10"	879'-11 1/2"	202'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-208G	10"	879'-11 1/2"	337'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-208H	10"	879'-11 1/2"	337'30'	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER													
X-209A	1"	882'-8"	1' FROM 135'	1"	1	AIR TEMPERATURE		DOUBLE O-RING & TEMP. ELEMENT											
X-209B	1"	882'-8"	2' FROM 135'	1"	1	SPARE	TYPE "A" TESTED												
X-209C	1"	882'-8"	1' FROM 225'	1"	1	AIR TEMPERATURE		DOUBLE O-RING & TEMP. ELEMENT											
X-209D	1"	882'-8"	2' FROM 225'	1"	1	SPARE	TYPE "A" TESTED												
X-210A	18"	883'-4"	3' FROM 90'	18"	1	RHR LOOP A SYSTEM PUMP TEST LINE		DOUBLE O-RING APPLICABLE ONLY FOR RHR-FLG-14RV AND 17RV (SEE NOTE 2)	RCIC-MO27, RCIC-13CV FOR RCIC MIN. FLOW (SEE NOTE 2); RHR-MO21A FOR RHR HX A DRAIN (SEE NOTE 2); RHR-MO16A FOR RHR PUMP MIN. FLOW (SEE NOTE 2); RHR-MO57, RHR-MO67 FOR DISCHARGE TO RADWASTE (SEE NOTE 3); RHR-RV-14RV FOR RHR LOOP A SUPPLY RV DISCHARGE (SEE NOTE 2); RHR-RV-17RV FOR RHR SHUTDOWN COOLING SUPPLY RV DISCHARGE (SEE NOTE 2)										
X-210B	18"	883'-4"	3' FROM 270'	18"	1	RHR LOOP B SYSTEM PUMP TEST LINE		DOUBLE O-RING APPLICABLE ONLY FOR RHR-FLG-15RV (SEE NOTE 2)	RHR-MO-57, RHR-MO67 FOR DISCHARGE TO RADWASTE (SEE NOTE 3); HPCI-MO25, HPCI-17CV FOR HPCI MIN. FLOW (SEE NOTE 2); RHR-MO21B FOR RHR HX B DRAIN (SEE NOTE 2); RHR-MO16B FOR RHR PUMP MIN. FLOW (SEE NOTE 2); RHR-RV-15RV FOR RHR LOOP B SUPPLY RV DISCHARGE (SEE NOTE 2)										
X-211A	6"	889'-11"	90'	6"	1	CONTAINMENT COOLING	(SEE NOTE 6)												
X-211B	6"	889'-11"	270'	6"	1	CONTAINMENT COOLING	(SEE NOTE 6)												

GENERAL NOTES:

- BOTH ISOLATION VALVES ARE OUTSIDE OF TORUS CONTAINMENT.
- THESE VALVES AND/OR FLANGES ARE NOT SUBJECT TO TESTING UNDER 10CFR50, APPENDIX J TYPE "B" OR "C" REQUIREMENTS DUE TO WATER SEAL.
- THESE VALVES MUST BE LEAK TESTED. HOWEVER, SINCE THEY ARE DOWNSTREAM OF THE OUTBOARD CONTAINMENT ISOLATION VALVE THE LEAKAGE FROM THESE VALVES NEED NOT BE ADDED TO 0.6 LA REQUIREMENT.
- ALL PENETRATION LOCATIONS SHOWN IN THE SCHEDULE ARE APPROXIMATE.
- INSTRUMENT PORTION IS AN EXTENSION OF CONTAINMENT.
- CLOSED LOOP PROVIDES THE SECOND BARRIER.

NO.	REVISIONS

REVISIONS BY N.P.P.D.			
NO.	REVISIONS	DFT	CKD
N01	CR96-0160 (DCN97-0098)	SPB	JEH
N01	UCR BINDER 22A (DCN 00-0644)	DLR	RGA
N02	CED 6005621 (DCN 01-1504)	KG	DLR
N03	CED 6029200 (DCN 09-0527)	KG	EMM
N04	CED 6029200 (DCN 09-1485)	KG	KPB
N05	EE 10-073 (DCN 11-0098)	KZ	DJB

* THIS DRAWING GENERATED BY NPPD

SIGNIFICANT NUMBER GROUP	1	2	3	4	5	6
DRAWN	DATE					
SPB	3/22/96					
CHECKED	DATE					
JEH	1/31/97					
APPROVED	DATE					
JRF	1/31/97					
FILED						

CONTAINMENT SUPPRESSION CHAMBER
PENETRATION SCHEDULE
SHEET 2B

AS BUILT 453243228	* BURNS & ROE	REVISION N05	COORD FILE: CO20180
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