

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 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-201C	5'-11"	885'-10"	112'30"	5'-11"	1	VENT LINE	TYPE "A" TESTED												
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-215	1"	882'-8"	135'	1"	1	ATMOSPHERIC PRESSURE INSTRUMENTATION	(SEE NOTE 5)		
X-202H	18"	880'-10 1/2"	202'30"	18"	1	VACUUM BREAKER	TYPE "A" TESTED			X-216	4"	888'-11"	6'-5" FROM 0'	4"	1	SPARE	TYPE "A" TESTED		
X-202I	18"	880'-10 1/2"	247'30"	18"	1	VACUUM BREAKER	TYPE "A" TESTED			X-217	4"	888'-11"	6'-5" FROM 0'	4"	1	SPARE	TYPE "A" TESTED		
X-202J	18"	880'-10 1/2"	247'30"	18"	1	VACUUM BREAKER	TYPE "A" TESTED			X-218	2"	883'-4"	6'-5" FROM 112'30"	2"	1	SPARE	TYPE "A" TESTED		
X-202K	18"	880'-10 1/2"	247'30"	18"	1	VACUUM BREAKER	TYPE "A" TESTED			X-219	10"	883'-4"	6'-5" FROM 270'	10"	1	SPARE	TYPE "A" TESTED		
X-202L	18"	880'-10 1/2"	337'30"	18"	1	VACUUM BREAKER	TYPE "A" TESTED			X-220	16"	890'-10 1/2"	6'-6" FROM 135'	16"	1	VENT PURGE OUTLET	TOP REF. LEG OF PC-3B-2 0-30' TORUS LEVEL	DOUBLE O-RING	PC-230MV, PC-245AV FOR PURGE & VENT EXHAUST; PC-305MV, PC-1308MV FOR BYPASS TO PC-230MV
X-202M	18"	880'-10 1/2"	337'30"	18"	1	VACUUM BREAKER	TYPE "A" TESTED			X-221	2"	878'-2 1/2"	9' FROM 112'30"	2"	1	RCIC VACUUM PUMP DISCHARGE	(SEE NOTE 2)		
X-203A	1"	882'-8"	6' FROM 112'30"	1"	1	HYDROGEN/OXYGEN ANALYZER	TYPE "A" TESTED (SEE NOTE 5)	IF MODIFIED		X-222	2"	878'-2 1/2"	6' FROM 337'30"	2"	1	HPCI TURBINE DRAIN TO TORUS	(SEE NOTE 2)		
X-203B	1"	882'-8"	9' FROM 135'	1"	1	HYDROGEN/OXYGEN ANALYZER	TYPE "A" TESTED (SEE NOTE 5)	IF MODIFIED		X-223A	10"	877'-7 1/2"	8' FROM 157'30"	10"	1	CORE SPRAY PUMP A TEST LINE	(SEE NOTE 2)		
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 VALVE 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-223B	10"	877'-7 1/2"	8' FROM 202'30"	10"	1	CORE SPRAY PUMP B TEST LINE	(SEE NOTE 2)	DOUBLE O-RING	CS-MO26A FOR CS A TEST LINE; CS-MO5A APPLICABLE ONLY FOR CS A MIN. FLOW; CS-RV-11RV FOR CS PUMP A RV DISCHARGE
X-206A	1"	882'-8"	8' FROM 135'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)			X-224	6"	864'-2 1/2"	9'-6" FROM 112'30"	6"	1	RCIC PUMP SUCTION	(SEE NOTE 2)	DOUBLE O-RING	CS-MO26B FOR CS B TEST LINE; CS-MO5B APPLICABLE ONLY FOR CS B MIN. FLOW; CS-RV-13RV FOR CS PUMP B RV DISCHARGE
X-206B	1"	870'-7"	8' FROM 135'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)			X-225A	20"	864'-2 1/2"	3'-6" FROM 45'	20"	1	RHR SYSTEM PUMP 1-A SUCTION	(SEE NOTE 2)	DOUBLE O-RING	RHR-MO13A; RHR-RV-10RV FOR RHR PUMP 1-A RV DISCHARGE
X-206C	1"	882'-8"	7'-6" FROM 225'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)			X-225B	20"	864'-2 1/2"	8'-7 3/4" FROM 45'	20"	1	RHR SYSTEM PUMP 1-C SUCTION	(SEE NOTE 2)	DOUBLE O-RING	RHR-MO13C; RHR-RV-12RV FOR RHR PUMP 1-C RV DISCHARGE
X-206D	1"	870'-7"	7'-6" FROM 225'	1"	1	LIQUID LEVEL INDICATOR	TYPE "A" TESTED (SEE NOTE 5)			X-225C	20"	864'-2 1/2"	8'-7 3/4" FROM 315'	20"	1	RHR SYSTEM PUMP 1-B SUCTION	(SEE NOTE 2)	DOUBLE O-RING	RHR-MO13B; RHR-RV-11RV FOR RHR PUMP 1-B RV DISCHARGE
X-207A	1"	878'-0"	22'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-225D	20"	864'-2 1/2"	3'-6" FROM 315'	20"	1	RHR SYSTEM PUMP 1-D SUCTION	(SEE NOTE 2)	DOUBLE O-RING	RHR-MO13D; RHR-RV-13RV FOR RHR PUMP 1-D RV DISCHARGE
X-207B	1"	878'-0"	67'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-226	16"	864'-2 1/2"	4' FROM 292'30"	16"	1	HPCI PUMP SUCTION	(SEE NOTE 2)	DOUBLE O-RING	HPCI-MO58
X-207C	1"	878'-0"	112'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-227A	16"	864'-2 1/2"	8'-9 3/4" FROM 135'	16"	1	CORE SPRAY PUMP SUCTION	(SEE NOTE 2)	DOUBLE O-RING	CS-MO7A; CS-RV-10RV FOR CS PUMP A SUPPLY RV DISCHARGE
X-207D	1"	878'-0"	157'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-227B	16"	864'-2 1/2"	8'-9 3/4" FROM 225'	16"	1	CORE SPRAY PUMP SUCTION	(SEE NOTE 2)	DOUBLE O-RING	CS-MO7B; CS-RV-12RV FOR CS PUMP B SUPPLY RV DISCHARGE
X-207E	1"	878'-0"	202'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-228	10"	883'-4"	9' FROM 90'	10"	1	SPARE	TYPE "A" TESTED		
X-207F	1"	878'-0"	247'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-229A	1"	877'-7 1/2"	6' FROM 22'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-207G	1"	878'-0"	292'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-229B	1"	877'-7 1/2"	6' FROM 22'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-207H	1"	878'-0"	337'30"	1"	1	VENT LINE DRAIN	LOCATED AT LOW POINT OF EACH VENT LINE			X-229C	1"	877'-7 1/2"	6' FROM 67'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208A	10"	879'-11 1/2"	22'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229D	1"	877'-7 1/2"	6' FROM 67'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208B	10"	879'-11 1/2"	22'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229E	1"	877'-7 1/2"	6' FROM 157'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208C	10"	879'-11 1/2"	157'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229F	1"	877'-7 1/2"	6' FROM 157'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208D	10"	879'-11 1/2"	157'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229G	1"	877'-7 1/2"	6' FROM 202'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208E	10"	879'-11 1/2"	202'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229H	1"	877'-7 1/2"	6' FROM 202'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208F	10"	879'-11 1/2"	202'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229I	1"	877'-7 1/2"	6' FROM 247'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208G	10"	879'-11 1/2"	337'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229J	1"	877'-7 1/2"	6' FROM 247'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-208H	10"	879'-11 1/2"	337'30"	10"	1	RELIEF VALVE DISCHARGE FROM MAIN STEAM HEADER				X-229K	1"	877'-7 1/2"	6' FROM 247'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-209A	1"	882'-8"	1' FROM 135'	1"	1	AIR TEMPERATURE		DOUBLE O-RING & TEMP. ELEMENT		X-229L	1"	877'-7 1/2"	337'30"	1"	1	VACUUM BREAKER ACTIVATING AIR			
X-209B	1"	882'-8"	2' FROM 135'	1"	1	SPARE	TYPE "A" TESTED			X-229M	1"	877'-7 1/2"	1' FROM 337'30"	1"	1	SPARE	TYPE "A" TESTED		
X-209C	1"	882'-8"	1' FROM 225'	1"	1	AIR TEMPERATURE		DOUBLE O-RING & TEMP. ELEMENT		X-230	12"	885'-7 1/2"	8' FROM 112'30"	12"	1	LOW VOLTAGE POWER TO TORUS		ELEC. PENETR.	
X-209D	1"	882'-8"	2' FROM 225'	1"	1	SPARE	TYPE "A" TESTED			X-300A	1 1/4"	869'-8 1/2"	4'-3" FROM 22'30"	1 1/4"	1	TORUS TEMP. MONITORING			
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-300B	1 1/4"	869'-8 1/2"	5'-3" FROM 22'30"	1 1/4"	1	TORUS TEMP. MONITORING			
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-300C	1 1/4"	869'-8 1/2"	4'-3" FROM 67'30"	1 1/4"	1	TORUS TEMP. MONITORING			
X-211A	6"	889'-11"	90'	6"	1	CONTAINMENT COOLING	(SEE NOTE 6)			X-300D	1 1/4"	869'-8 1/2"	5'-3" FROM 67'30"	1 1/4"	1	TORUS TEMP. MONITORING			
X-211B	6"	889'-11"	270'	6"	1	CONTAINMENT COOLING	(SEE NOTE 6)			X-300E	1 1/4"	869'-8 1/2"	4'-3" FROM 112'30"	1 1/4"	1	TORUS TEMP. MONITORING			
										X-300F	1 1/4"	869'-8 1/2"	5'-3" FROM 112'30"	1 1/4"	1	TORUS TEMP. MONITORING			
										X-300G	1 1/4"	869'-8 1/2"	4'-3" FROM 157'30"	1 1/4"	1	TORUS TEMP. MONITORING			
										X-300H	1 1/4"	869'-8 1/2"	5'-3" FROM 157'30"	1 1/4"	1	TORUS TEMP. MONITORING			
										X-300I	1 1/4"	869'-8 1/2"	4'-3" FROM 202'30"	1 1/4"	1	TORUS TEMP. MONITORING			
										X-300J	1 1/4"	869'-8 1/2"	5'-3" FROM 202'30"	1 1/4"	1	TORUS TEMP. MONITORING			
										X-300K	1 1/4"	869'-8 1/2"	4'-3" FROM 247'30"	1 1/4"	1	TORUS TEMP. MONITORING			
										X-300L	1 1/4"	869'-8 1/2"	5'-3" FROM 247'30"	1 1/4"	1				