



BILL OF MATERIAL

ITEM	QUANTITY	NOMENCLATURE	REFERENCE
E	1	REACTOR VESSEL	E-210-200
E	2	STEAM GENERATOR	E-210-201
S	4	PRIMARY COOLANT PUMP	B-1000-20-102
D-1	1	HOT LEG REACTOR VESSEL TO STEAM GEN. 1	SPEC. 207-25-10-101
P-2	1	COLD LEG PUMP 2 TO REACTOR VESSEL	SPEC. 207-25-10-101
P-3	1	COLD LEG PUMP 1 TO REACTOR VESSEL	SPEC. 207-25-10-101
P-4	1	COLD LEG PUMP 1A TO REACTOR VESSEL	SPEC. 207-25-10-101
P-5	1	COLD LEG PUMP 1B TO REACTOR VESSEL	SPEC. 207-25-10-101
P-6	1	COLD LEG PUMP 1C TO REACTOR VESSEL	SPEC. 207-25-10-101
P-7	1	COLD LEG PUMP 1D TO REACTOR VESSEL	SPEC. 207-25-10-101
P-8	1	COLD LEG PUMP 1E TO REACTOR VESSEL	SPEC. 207-25-10-101
P-9	1	COLD LEG PUMP 1F TO REACTOR VESSEL	SPEC. 207-25-10-101
P-10	1	COLD LEG PUMP 1G TO REACTOR VESSEL	SPEC. 207-25-10-101
P-11	1	COLD LEG PUMP 1H TO REACTOR VESSEL	SPEC. 207-25-10-101
P-12	1	COLD LEG PUMP 1I TO REACTOR VESSEL	SPEC. 207-25-10-101
P-13	1	COLD LEG PUMP 1J TO REACTOR VESSEL	SPEC. 207-25-10-101
P-14	1	COLD LEG PUMP 1K TO REACTOR VESSEL	SPEC. 207-25-10-101
P-15	1	COLD LEG PUMP 1L TO REACTOR VESSEL	SPEC. 207-25-10-101
P-16	1	COLD LEG PUMP 1M TO REACTOR VESSEL	SPEC. 207-25-10-101
P-17	1	COLD LEG PUMP 1N TO REACTOR VESSEL	SPEC. 207-25-10-101
P-18	1	COLD LEG PUMP 1O TO REACTOR VESSEL	SPEC. 207-25-10-101
P-19	1	COLD LEG PUMP 1P TO REACTOR VESSEL	SPEC. 207-25-10-101
P-20	1	COLD LEG PUMP 1Q TO REACTOR VESSEL	SPEC. 207-25-10-101
P-21	1	COLD LEG PUMP 1R TO REACTOR VESSEL	SPEC. 207-25-10-101
P-22	1	COLD LEG PUMP 1S TO REACTOR VESSEL	SPEC. 207-25-10-101
P-23	1	COLD LEG PUMP 1T TO REACTOR VESSEL	SPEC. 207-25-10-101
P-24	1	COLD LEG PUMP 1U TO REACTOR VESSEL	SPEC. 207-25-10-101
P-25	1	COLD LEG PUMP 1V TO REACTOR VESSEL	SPEC. 207-25-10-101
P-26	1	COLD LEG PUMP 1W TO REACTOR VESSEL	SPEC. 207-25-10-101
P-27	1	COLD LEG PUMP 1X TO REACTOR VESSEL	SPEC. 207-25-10-101
P-28	1	COLD LEG PUMP 1Y TO REACTOR VESSEL	SPEC. 207-25-10-101
P-29	1	COLD LEG PUMP 1Z TO REACTOR VESSEL	SPEC. 207-25-10-101
P-30	1	COLD LEG PUMP 1AA TO REACTOR VESSEL	SPEC. 207-25-10-101
P-31	1	COLD LEG PUMP 1AB TO REACTOR VESSEL	SPEC. 207-25-10-101
P-32	1	COLD LEG PUMP 1AC TO REACTOR VESSEL	SPEC. 207-25-10-101
P-33	1	COLD LEG PUMP 1AD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-34	1	COLD LEG PUMP 1AE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-35	1	COLD LEG PUMP 1AF TO REACTOR VESSEL	SPEC. 207-25-10-101
P-36	1	COLD LEG PUMP 1AG TO REACTOR VESSEL	SPEC. 207-25-10-101
P-37	1	COLD LEG PUMP 1AH TO REACTOR VESSEL	SPEC. 207-25-10-101
P-38	1	COLD LEG PUMP 1AI TO REACTOR VESSEL	SPEC. 207-25-10-101
P-39	1	COLD LEG PUMP 1AJ TO REACTOR VESSEL	SPEC. 207-25-10-101
P-40	1	COLD LEG PUMP 1AK TO REACTOR VESSEL	SPEC. 207-25-10-101
P-41	1	COLD LEG PUMP 1AL TO REACTOR VESSEL	SPEC. 207-25-10-101
P-42	1	COLD LEG PUMP 1AM TO REACTOR VESSEL	SPEC. 207-25-10-101
P-43	1	COLD LEG PUMP 1AN TO REACTOR VESSEL	SPEC. 207-25-10-101
P-44	1	COLD LEG PUMP 1AO TO REACTOR VESSEL	SPEC. 207-25-10-101
P-45	1	COLD LEG PUMP 1AP TO REACTOR VESSEL	SPEC. 207-25-10-101
P-46	1	COLD LEG PUMP 1AQ TO REACTOR VESSEL	SPEC. 207-25-10-101
P-47	1	COLD LEG PUMP 1AR TO REACTOR VESSEL	SPEC. 207-25-10-101
P-48	1	COLD LEG PUMP 1AS TO REACTOR VESSEL	SPEC. 207-25-10-101
P-49	1	COLD LEG PUMP 1AT TO REACTOR VESSEL	SPEC. 207-25-10-101
P-50	1	COLD LEG PUMP 1AU TO REACTOR VESSEL	SPEC. 207-25-10-101
P-51	1	COLD LEG PUMP 1AV TO REACTOR VESSEL	SPEC. 207-25-10-101
P-52	1	COLD LEG PUMP 1AW TO REACTOR VESSEL	SPEC. 207-25-10-101
P-53	1	COLD LEG PUMP 1AX TO REACTOR VESSEL	SPEC. 207-25-10-101
P-54	1	COLD LEG PUMP 1AY TO REACTOR VESSEL	SPEC. 207-25-10-101
P-55	1	COLD LEG PUMP 1AZ TO REACTOR VESSEL	SPEC. 207-25-10-101
P-56	1	COLD LEG PUMP 1BA TO REACTOR VESSEL	SPEC. 207-25-10-101
P-57	1	COLD LEG PUMP 1BB TO REACTOR VESSEL	SPEC. 207-25-10-101
P-58	1	COLD LEG PUMP 1BC TO REACTOR VESSEL	SPEC. 207-25-10-101
P-59	1	COLD LEG PUMP 1BD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-60	1	COLD LEG PUMP 1BE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-61	1	COLD LEG PUMP 1BF TO REACTOR VESSEL	SPEC. 207-25-10-101
P-62	1	COLD LEG PUMP 1BG TO REACTOR VESSEL	SPEC. 207-25-10-101
P-63	1	COLD LEG PUMP 1BH TO REACTOR VESSEL	SPEC. 207-25-10-101
P-64	1	COLD LEG PUMP 1BI TO REACTOR VESSEL	SPEC. 207-25-10-101
P-65	1	COLD LEG PUMP 1BJ TO REACTOR VESSEL	SPEC. 207-25-10-101
P-66	1	COLD LEG PUMP 1BK TO REACTOR VESSEL	SPEC. 207-25-10-101
P-67	1	COLD LEG PUMP 1BL TO REACTOR VESSEL	SPEC. 207-25-10-101
P-68	1	COLD LEG PUMP 1BM TO REACTOR VESSEL	SPEC. 207-25-10-101
P-69	1	COLD LEG PUMP 1BN TO REACTOR VESSEL	SPEC. 207-25-10-101
P-70	1	COLD LEG PUMP 1BO TO REACTOR VESSEL	SPEC. 207-25-10-101
P-71	1	COLD LEG PUMP 1BP TO REACTOR VESSEL	SPEC. 207-25-10-101
P-72	1	COLD LEG PUMP 1BQ TO REACTOR VESSEL	SPEC. 207-25-10-101
P-73	1	COLD LEG PUMP 1BR TO REACTOR VESSEL	SPEC. 207-25-10-101
P-74	1	COLD LEG PUMP 1BS TO REACTOR VESSEL	SPEC. 207-25-10-101
P-75	1	COLD LEG PUMP 1BT TO REACTOR VESSEL	SPEC. 207-25-10-101
P-76	1	COLD LEG PUMP 1BU TO REACTOR VESSEL	SPEC. 207-25-10-101
P-77	1	COLD LEG PUMP 1BV TO REACTOR VESSEL	SPEC. 207-25-10-101
P-78	1	COLD LEG PUMP 1BW TO REACTOR VESSEL	SPEC. 207-25-10-101
P-79	1	COLD LEG PUMP 1BX TO REACTOR VESSEL	SPEC. 207-25-10-101
P-80	1	COLD LEG PUMP 1BY TO REACTOR VESSEL	SPEC. 207-25-10-101
P-81	1	COLD LEG PUMP 1BZ TO REACTOR VESSEL	SPEC. 207-25-10-101
P-82	1	COLD LEG PUMP 1CA TO REACTOR VESSEL	SPEC. 207-25-10-101
P-83	1	COLD LEG PUMP 1CB TO REACTOR VESSEL	SPEC. 207-25-10-101
P-84	1	COLD LEG PUMP 1CC TO REACTOR VESSEL	SPEC. 207-25-10-101
P-85	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-86	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-87	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-88	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-89	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-90	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-91	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-92	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-93	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-94	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-95	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-96	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-97	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-98	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101
P-99	1	COLD LEG PUMP 1CD TO REACTOR VESSEL	SPEC. 207-25-10-101
P-100	1	COLD LEG PUMP 1CE TO REACTOR VESSEL	SPEC. 207-25-10-101

NOZZLE IDENTIFICATION

CODE LETTER	FUNCTION	PIPE SIZE	END PREPARATION	QTY.
A	PRESSURIZER SURGE	1/2 SCH 40	BUTT WELD	1
B	SHUTDOWN COOLING OUTLET	1/2 SCH 40	BUTT WELD	1
C	REACTOR VESSEL SURGE	1/2 SCH 40	BUTT WELD	4
D	REACTOR VESSEL SURGE	1/2 SCH 40	BUTT WELD	2
E	CHARGING INLET	1/2 SCH 40	BUTT WELD	2
F	LET DOWN & DRAIN	1/2 SCH 40	BUTT WELD	1
G	DRAIN	1/2 SCH 40	BUTT WELD	4
H	TEMP. MEASUREMENT	1/2 SCH 40	SOCKET WELD	23
I	PRESSURE MEASUREMENT	1/2 SCH 40	SOCKET WELD	2
J	TEMP. MEASUREMENT	1/2 SCH 40	SOCKET WELD	2
K	SAMPLING	1/2 SCH 40	SOCKET WELD	2
L	FEED WATER	1/2 SCH 40	BUTT WELD	2
M	SYSTEM OUTLET	1/2 SCH 40	BUTT WELD	2
N	PUMP SEALS #1, 2, 3 VENT & PRESS.	1/2 SCH 40	R.F. FLANGE	12
O	PUMP SEAL CONTROLLED BLEEDOFF	1/2 SCH 40	R.F. FLANGE	4
P	PUMP SEAL LEAKAGE	1/2 SCH 40	R.F. FLANGE	4
Q	PUMP INTER-CASSET LEAKAGE MONITOR	1/2 SCH 40	R.F. FLANGE	4
R	PUMP MOTOR COOLING WATER INLET	1/2 SCH 40	R.F. FLANGE	4
S	PUMP MOTOR COOLING WATER INLET	1/2 SCH 40	R.F. FLANGE	4
T	PUMP MOTOR COOLING WATER OUTLET	1/2 SCH 40	R.F. FLANGE	4
U	PRESSURIZER SAFETY & RELIEF VALVE	1/2 SCH 40	BUTT WELD	2

REFERENCE DRAWINGS
 1-REACTOR COOLANT SYSTEM PROCESS AND INSTRUMENTATION DIAGRAM E-8067-210-110

TERA APERTURE CARD
 THIS DRAWING IS TO BE USED FOR INFORMATION AND GUIDANCE ONLY. REFERENCES SHALL BE USED FOR DETAILED DIMENSIONS.

E-8067-210-200

PRELIMINARY

BALTIMORE GAS AND ELECTRIC COMPANY
 CALVERT CLIFFS UNITS NOS 1 AND 2

REV.	DESCRIPTION	BY	CHKD.	DATE	REVISIONS
1	GENERALLY REVISED AND REDRAWN PER REV. REQ. 8067-3048	RAY	SM	11/11/54	
2	IF SAID REVISED DESIGN AND BY OTHERS 2. DISCREPANCY #1 WORKERS CAL. 8067-3048	RAY	SM	11/11/54	
3	IF SAID REVISED DESIGN AND BY OTHERS 2. DISCREPANCY #1 WORKERS CAL. 8067-3048	RAY	SM	11/11/54	

SECTION 3, QUESTION 5
 QUESTION 6

8.5"
 11"
 17"

8108100448

