CCW-G-964
THERMAL BARRIER EMERGENCY COOLING PUMP

RCS-G-2A REACTOR COOLANT PUMP (SEE RCS DWG 5178100)
RCS-G-2B REACTOR COOLANT PUMP (SEE RCS DWG 5178100)
RCS-G-2C REACTOR COOLANT PUMP (SEE RCS DWG 5178100)

UPPER BEARING OIL COOLER
LOWER BEARING OIL COOLER
THERMAL BARRIER COIL

CONTAINMENT SPHERE
INSIDE
OUTSIDE

TO COMPONENT COOLING PUMPS CCW-G-15A,B,C
5178311 (G-1) (CCW)
5178311 (H-1) (CCW)
5178311 (F-1) (CCW)
5178311 (D-1) (CCW)
5178311 (A-1) (CCW)
5178311 (E-1) (CCW)
5178311 (C-1) (CCW)

FROM CCW PC-605
5178310 (H-7) (CCW)

COOLING WATER SUPPLY

RHR-E-21A RESIDUAL HEAT EXCHANGER (SEE RHR DWG 5178130)
RHR-E-21B RESIDUAL HEAT EXCHANGER (SEE RHR DWG 5178130)
LDS-E-33 EXCESS LETDOWN HEAT EXCHANGER (SEE RHR DWG 5178130)
RHR-G-14B RESIDUAL HEAT REMOVAL PUMP (SEE RHR DWG 5178130)
RHR-G-14A RESIDUAL HEAT REMOVAL PUMP (SEE RHR DWG 5178130)
PUMP BEARING LUBE OIL AND SEAL COOLING

REACTOR SHIELD COOLING COILS
NO. 5 NO. 4 NO. 3 NO. 2 NO. 1

NOTES:
1. SEE DWG 5178310 FOR SH 1.
2. SEE DWG 5178311 FOR SH 2.
3. THIS DRAWING SUPERSEDES DRAWING 568768 AND ALL CCN'S WHICH PERTAIN TO IT.

SAFETY RELATED EXCEPT AS NOTED (SREAN)

DWG. LIST M-___ SH.___
• REVISE ON CADD SYSTEM ONLY •

5178000	P&I DIAGRAM LEGEND SH 1
5178001	P&I DIAGRAM LEGEND SH 2
5178002	P&I DIAGRAM LEGEND SH 3
460516	ELEM DIAGRAM-PUMP G-964
466449	ELEM DIAGRAM-CV-722A,B&C

REFERENCE DRAWINGS

NO.	REVISIONS	M	DATE	P.E.	QAE	SUPV	APPROVED	ENGR	CK'D	MADE	J.O.
0	ISSUED AS BUILT	M	3/18/81	DPM			3/19/81			BLS	8252

568768
11/18/83

LOCATION: SAN ONOFRE NUCLEAR GEN. STA. UNIT 1

P & I DIAGRAM
COMPONENT COOLING WATER SYSTEM SHEET 3

SCE EDISON
Rosemead California

CCW

SHEET NO. M
SCALE: NONE
___OF___SHTS.

SCE E4-552-CADD 10-83

5178312-0
8407310387

TI APERTURE CARD

Southern California Edison Company
26X

MICROFILMED FROM