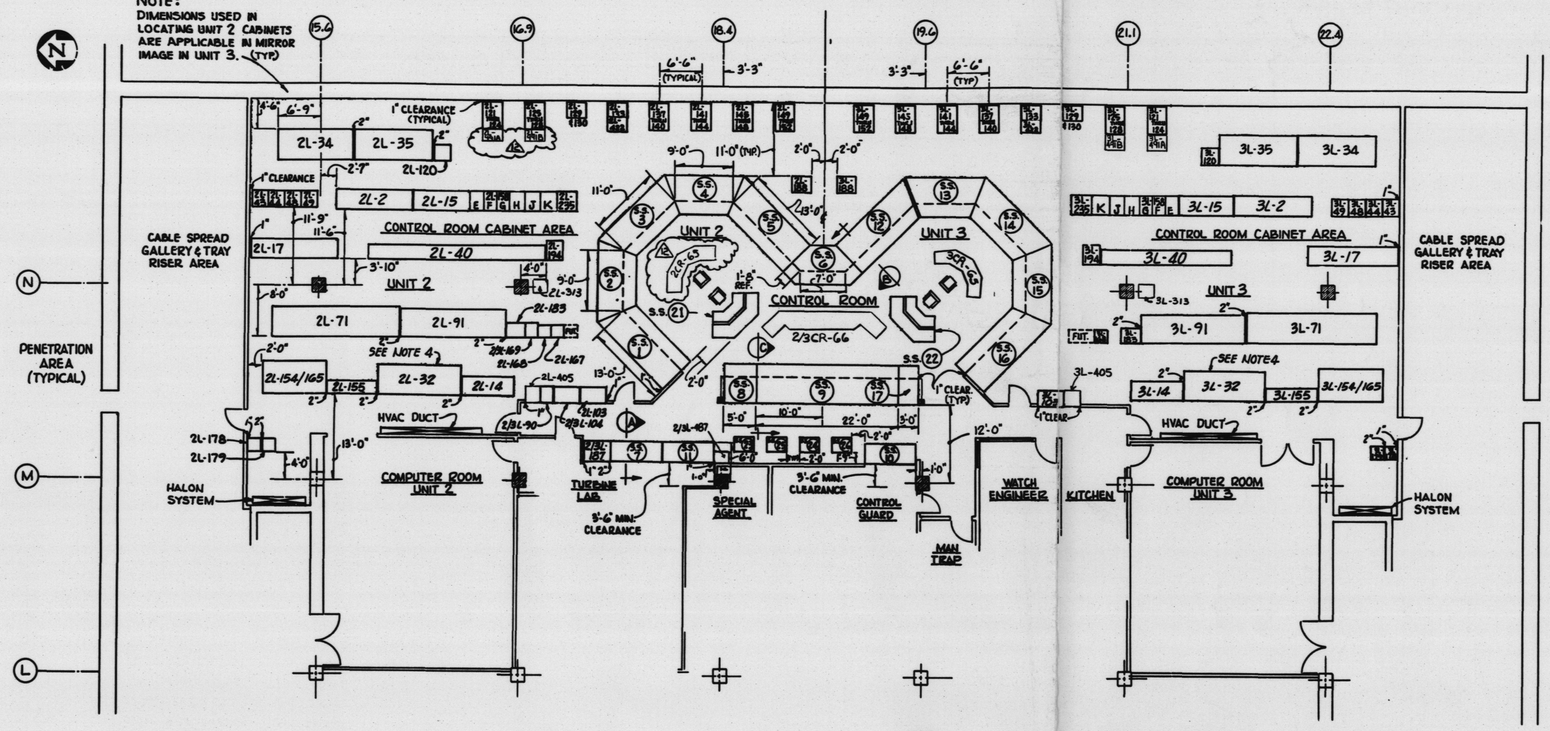
NOTE:
DIMENSIONS USED IN LOCATING UNIT 2 CABINETS ARE APPLICABLE IN MIRROR IMAGE IN UNIT 3. (TYP)



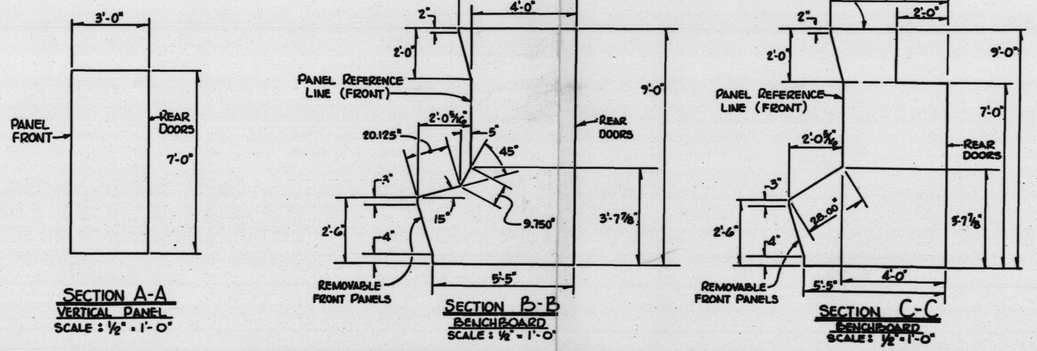
SHIPPING SECTION	BECHTEL DWG NO.	BECHTEL PANEL NO.	DESCRIPTION	PANEL ENTRY (FIELD CABLE)	PANEL ENTRY (INTERCON CABLE) (NOTE 6)
			PANELS & CABINETS WITHIN MAIN CONTROL ROOM		
1	53017 & 117	2CR-57	ENGINEERED SAFETY FEATURES SYSTEM	BTM	TOP
2	53016 & 116	2CR-56	PLANT PROT. SYST. & REACTOR COOLANT PUMPS	BTM	TOP & BTM
3	53018 & 118	2CR-58 50, 51	CHEM. VOL. CONTROL, REACTOR COOLANT AND REACTIVITY SYSTEMS	BTM	TOP & BTM
4	53013 & 113	2CR-52 & 53	STM. GEN. WATER LEVEL CONTROL AND FEEDWATER & CONDENSATE	BTM	TOP & BTM
5	53014 & 114	2CR-54 & 64	TURBINE AND SALTWATER & COMPONENT COOLING WATER SYST.	BTM	TOP
6	53021 & 121	2/3CR-61	COMMON SYSTEMS	BTM	BTM
7	53022	2/3CR-62	CHEMICAL CONTROL	BTM	BTM
8	53020	2/3CR-60	HEATING & VENTILATING-UNIT 2 & COMMON (SEE NOTE 1)	BTM	BTM
9	53031 & 131 53032 & 132 53033	2/3CR-63	ELECTRICAL MIMIC BUS (SEE NOTE 1)	BTM	BTM
10	53019	3CR-59	RECORDERS	BTM	BTM
11	53019	2CR-59	RECORDERS	BTM	BTM
12	53017 & 117	3CR-57	ENGINEERED SAFETY FEATURES SYSTEM	BTM	TOP
13	53016 & 116	3CR-56	PLANT PROT. SYST. & REACTOR COOLANT PUMPS	BTM	TOP & BTM
14	53018 & 118	3CR-58, 50 & 51	CHEM. VOL. CONTROL, REACTOR COOLANT AND-REACTIVITY SYSTEMS	BTM	TOP & BTM
15	53013 & 113	3CR-52 & 53	STM. GEN. WATER LEVEL CONTROL AND FEEDWATER & CONDENSATE	BTM	TOP & BTM
16	53014 & 114	3CR-54 & 64	TURBINE AN SALT WATER & COMPONENT COOLING WATER SYST.	BTM	TOP
17	53040	3CR-60	HEATING & VENTILATING UNIT 3 (SEE NOTE 1)	BTM	BTM
–	C.E. DWG	2CR-65	OPERATORS CONSOLE-UNIT 2	BTM	BTM
–	C.E. DWG	3CR-65	OPERATORS CONSOLE-UNIT 3	BTM	BTM
20	—	—		—	—
21	VENDOR DWG	2CR-55	COMPUTER CONSOLE	BTM	BTM
22	VENDOR DWG	3CR-55	COMPUTER CONSOLE	BTM	BTM
23	VENDOR DWG	2L-100	OPERATOR'S PRINTER	BTM	BTM
24	VENDOR DWG	3L-100	OPERATOR'S PRINTER	BTM	BTM
25	VENDOR DWG	2L-101	DOCUMENTATION PRINTER	BTM	BTM
26	VENDOR DWG	3L-101	DOCUMENTATION PRINTER	BTM	BTM
–	C.E. DWG	2/3CR-66	COMMON OPERATORS PANEL	BTM	BTM

NOTES:

1. TOP SECTION OF PANEL (ANNUNCIATOR PORTION) IS TO BE REMOVABLE FOR PANEL INSTALLATION
2. ALL CABINET HEIGHTS IN THE CONTROL ROOM CABINET AREA TO BE 90" HIGH UNLESS OTHERWISE NOTED
3. ANNUNCIATOR CABINET MOUNTED IN PANEL
4. HEIGHT IS 8'-6" (FOR DISPLAY PANEL LOCATED AT CABINET FRONT OF 2L-32 & 3L-32
5. TOP ENTRY IS LIMITED DUE TO LOCATION OF DISPLAY PANEL
6. INTERCONNECTING CABLE INCLUDES PRE-FABRICATED CABLES FOR ANNUNCIATOR, CONTROL PANEL INSERTS AND CABINETS WITHIN CONTROL ROOM (C.R) CABINET AREA
7. SHIPPING SECTIONS 1 THRU 19 ARE FURNISHED BY BECHTEL AND 21 THRU 26 ARE FURNISHED BY COMBUSTION ENGINEERING
8. DIMENSIONS SHOWN IN PLAN VIEW ARE APPROXIMATE. FIRM DIMENSIONS ARE LOCATED ON ELECTRICAL FLOOR PENETRATION DRAWINGS 35515 & 35516.
9. FOR ARRANGEMENT OF TURBINE LAB AND COMPUTER ROOMS SEE DWG. 10116.
10. TOP ENTRY FOR INTERCONNECTING CABLE IS FOR NON- CHANNEL CABLE ONLY. CHANNEL A, B, C & D CABLE WILL ENTER PANELS THROUGH BOTTOM.
11. COLORS SHOWN ARE THE COLOR OF CONTROL ROOM PANELS AND INSTRUMENT BEZELS FOR SYSTEM DEMARCATION.
FOR INDIVIDUAL INSTRUMENT BEZEL, PANEL SECTION AND SYSTEM COLORS, SEE APPROPIATE DRAWINGS.

COLOR DESIGNATIONS (SEE NOTE 11)

COLOR CODE	COLOR NO.	COLOR SYSTEM
A	297D COVERT GRAY	AMERITONE
C	292A PRAIRIE SUNSET	AMERITONE
D	283A JAMBOREE ORANGE	AMERITONE
E	291B TROPIC TAN	AMERITONE
F	295B PINE CONE	AMERITONE
G	297C VIKING GRAY	AMERITONE
H	297G NEUTRAL TINT	AMERITONE
J	298B CLOVE GRAY	AMERITONE
K	298C GRAY FOX	AMERITONE
L	261E BONNIE BLUE	AMERITONE
M	169C JEWEL	AMERITONE
N	169B MARTINIQUE	AMERITONE
S1	297A UMBER BROWN	AMERITONE
S2	282B ORANGE BLAZE	AMERITONE
T1	299-1J LAVENDER WHITE	AMERITONE
T2	839A ORANGE	PANTONE
W	296A DAKOTA	AMERITONE
X	261C BRITTANY BLUE	AMERITONE
U	258A NIGHTSHADE	AMERITONE



SECTION A-A
VERTICAL PANEL
SCALE: 1/2" = 1'-0"

SECTION B-B
BENCHBOARD
SCALE: 1/2" = 1'-0"

SECTION C-C
BENCHBOARD
SCALE: 1/2" = 1'-0"

PANELS & CABINETS WITHIN CONTROL ROOM CABINET AREA.

BECHTEL PANEL # UNIT 2	UNIT 3	DESCRIPTION	PANEL ENTRY (FIELD CABLE)	PANEL ENTRY (INTERCONN. CABLE) (NOTE 6)	SPEC. NUMBER
2L-2	3L-2	TURBINE PROTECTION CUBICLE (ELECT)	BTM	TOP	401-A
2L14	3L-14	UNITISED ACTUATOR PANEL (NOTE 3)	BTM	TOP	401-M
2L-15	3L-15	TURBINE SUPERVISORY EQUIP. CUBICLE	BTM	TOP	401-P
2L-17	3L-17	ELECTRIC GOVERNOR CUBICLE (EHG) (NOTE 3)	BTM	TOP & BTM	401-M
2L-32	3L-32	PLANT PROTECTIVE SYSTEM CABINET (NOTE 4&5)	BTM	TOP & BTM	944
2L-34	3L-34	ENG. SAF. FEAT. ACT. SYST. AUX. CAB. "A"	BTM	TOP	953
2L-35	3L-35	ENG. SAF. FEAT. ACT. SYST. AUX. CAB. "B"	BTM	TOP	953
2L-40	3L-40	ANNUNCIATOR LOGIC CABINET	BTM	TOP & BTM	502-4
2L-43	3L-43	REACTIVITY REGULATING SYST. NO. 1 RACK	BTM	BTM	943
2L-44	3L-44	REACTIVITY REGULATING SYST. NO. 2 RACK	BTM	BTM	943
2L-48	3L-48	FEEDWATER CONTROL SYSTEM NO. 1 RACK	BTM	BTM	934
2L-49	3L-49	FEEDWATER CONTROL SYSTEM NO. 2 RACK	BTM	BTM	934
2L-71	3L-71	NSSS AUX. RELAY CABINET			306-1
2/3L-90		RADIATION MONITOR SYSTEMS	BTM	BTM	931 & 946
2L-91	3L-91	AUXILIARY PROTECTIVE CABINET	BTM	TOP & BTM	907
2L-103	3L-103	RADIATION MONITOR SYSTEMS	BTM	BTM	606-1
2/3L-104		RADIATION MONITOR SYSTEMS	BTM	BTM	606-1
2L-120	3L-120	STEAM BYPASS CONT. SYSTEM RACK	BTM	BTM	946
2L-121	3L-121	SPEC. 200 CABINETS	BTM	TOP	924
THRU	THRU	(EXCEPT 2&3L-151, 132, 134, 135 & 136)			
2L-152	3L-152	NOT REQUIRED			
2L-154/165	3L-154/165	HVAC SYSTEMS CONTROL	BTM	TOP	410-6
2L-155	3L-155	HVAC SYSTEMS CONTROL	BTM	TOP	410-1
2L-158	3L-158	BECHTEL INTERFACE CABINET (BOP) (SPEC 200)	BTM	TOP	504-1
2L-167	NONE	SEISMIC EVENT RECORDING	BTM	TOP	508-9
2L-168	3L-168	CIRC. WATER TEMP. DATA LOGGER	BTM	TOP	508-15
2/3L-169		CIRC. WATER FLOW MEASUREMENT	BTM	TOP	508-14
2L-178	3L-178	HYDROGEN RECOMBINER CONTROL	BTM	TOP	607-1
2L-179	3L-179	HYDROGEN RECOMBINER CONTROL	BTM	TOP	607-1
2L-183	3L-183	F.W. PUMP & TURB. SUPERVISORY INSTR. PANEL	BTM	—	502-2
2/3L-187		METEOROLOGICAL DATA LOGGER	BTM	—	508-10
2L-188	3L-188	BECHTEL INTERFACE CABINET (NSSS) (SPEC 200)	BTM	TOP	502-2
2L-194	3L-194	LOOSE PARTS MONITORING CABINET	BTM		
2L-235	3L-235	MISC. NSSS EQUIPMENT RACK	BTM	TOP	502-2
2L-313	3L-313	INSTRUMENT GROUNDING CABINET	TOP	TOP	306-3B
2L-405	3L-405	RADIATION MONITOR SYSTEMS	TOP+BTM	TOP+BTM	502-2
2/3L-487		DESK FOR CRT/PRINTER AND KEYBOARD	—	—	
2L-491A	–	GSPDS RACK A	BTM	BTM	924
2L-491B	–	GSPDS RACK B	BTM	BTM	924

QUALITY CLASS II — UNITS 2 & 3

BECHTEL CORPORATION
ENGINEERS & CONSTRUCTORS
LOS ANGELES, CALIF.

JOB NO. 10079 | DATE | APPROVED

NO.	SCE P.E.	DATE
10		5/4/83
9		1/17/80
12	N/A	10/30/86
11	N/A	
6		5/6/80
0		6/6/78

NO.	REVISIONS	DATE	DR.	CHK.	E.G.S.	CHF. E.	P.E.	G.A.E.
9	REVISED TO INCORPORATE DCN 17, VOID DCN 16 & 18	1-28-83	SK					
8	REVISED TO INCORPORATE DCN #15	3-14-82	SK					
7	REVISED TO INCORPORATE DCN # 13 & 14	5-10-81	SK	BH				
6	REVISED TO INCORPORATE DCN # 12 AS NOTED	3/10/80	TAH	CSU				
5	REVISE DRWG NO. FOR S.S. 10, 12, 13, 14, 15, 16	8-23-79	LEH	NP				
4	REVISED TO INCORPORATE DCN # 6, 7, 8, 9, 10 & 11	2-2-79	RMB					
3	REVISED TO INCORPORATE DCN #445	12-1-75	BF					
12	REVISED TO INCORP. DCN # 21 "AS BUILT" BY BRC	10-30-86	MW	RB				
11	REVISED TO INCORPORATE DCN #20	1-10-85	RS					
10	REVISED TO INCORPORATE DCN # 19	8-24-83	SK					
0	ISSUED FOR CONSTRUCTION (SOP-5)	2-12-75	REM					

DWG. NO. | CROSS REFERENCES

J.O. NO. | FILE

SAN ONOFRE NUCLEAR GENERATING STATION

MAIN CONTROL ROOM PANEL ARRANGEMENT

SOUTHERN CALIFORNIA EDISON COMPANY
SCALE 1/8" = 1'-0" · AS NOTED · LOS ANGELES, CALIF.

53000-12

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