FACILITY CONTROL PANEL BOARD ~ NAMEPLATE AND ITEM LIST

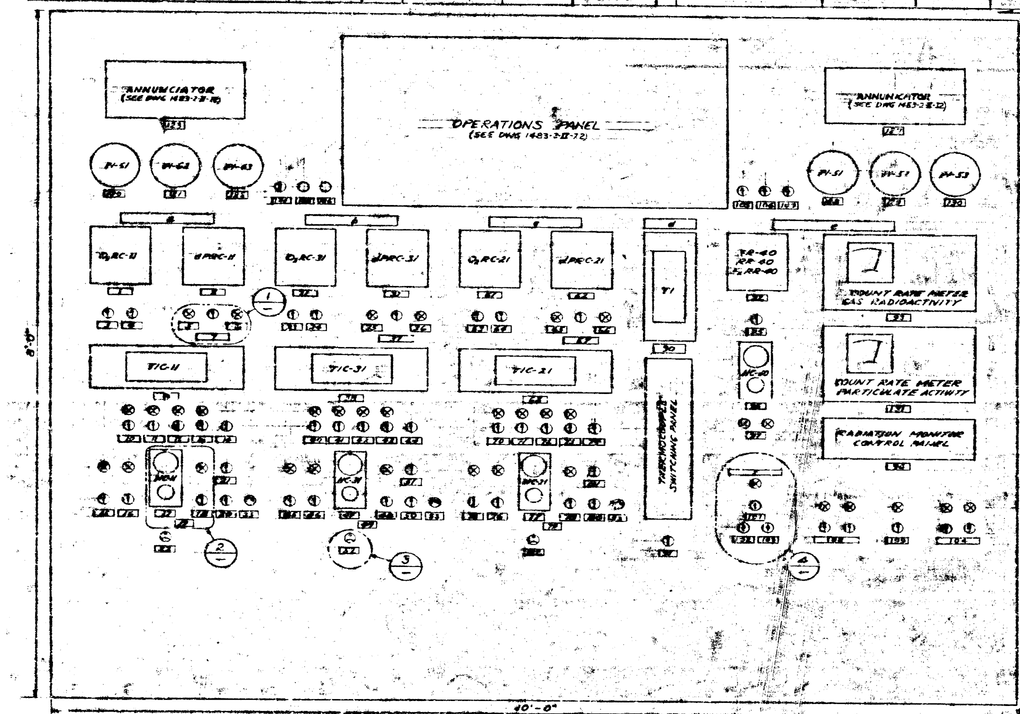
No	Nameplate Inscription: 1st Line	2nd Line	3rd Line	Item: Tag No	Legend Plate Inscription	Associated Pilot Light: Color * Push-to-Test	Legend Plate Inscription
1	OXYGEN CONCENTRATION	O_2RC-11	-	O_2RC	-	-	-
2	PRESSURE WITH REFERENCE	TO ACCESS AREA	dPRC-11	dPRC-11	-	-	-
3	O_2 ANALYZER-11	RANGE	SW-12	SW-12	HIGH-LOW	-	-
4	O_2 ANALYZER-11	POWER	SW-11	SW-11	ON-OFF	-	-
5	OPEN FOR TEST	WITH HIGH PRESS.	PROTECTION	PL-14a	-	G*	-
6	OPEN WITHOUT	HIGH PRESSURE	PROTECTION	PL-14b	-	R* (FLASHING)	-
7	VAULT CLOSURE	VALVES CV-14 & 15	SW-14	SW-14	CLOSE	KEY No 1	-
8	VAULT TEMPERATURE	TIC-11	-	TIC-11	-		-
9							
10	REFRIG. CONDENSING UNIT	RCU-1	-	SW	HAND-OFF-AUTO	G*	ON
11	ATMOSPHERE COOLING FAN	S-1A	-	SW	ON-OFF	G*	ON
12	" " "	S-1B	-	SW	ON-OFF	G*	ON
13	" " "	S-1C	-	SW	ON-OFF	G*	ON
14	ATMOSPHERE THERMOCOUPLE	SELECTOR	TIC-11	SW	No 1 - No 2	-	-
15	ATMOS. EXCHANGE - N_2 SUPPLY	CV-13	-	SW-13	OPEN-CLOSE	G*	OPEN
16	ATMOS. EXCHANGE - EXHAUST	CV-18	-	SW-18	OPEN-CLOSE	G*	OPEN
17	EMERGENCY	HAND CONTROL	HC-11	HC-11	**	-	-
18	NORMAL	AUTO. CONTROL	SW-15	SW-15	EMERG.-NORMAL	R*	EMERGENCY
19	EXHAUST VALVES	CV-16 & 17	-	-	-	-	-
20	INFILTRATION GAS EXHAUSTER	E-1A	-	SW	ON-OFF	-	-
21	PURGE VALVE No 1	SW-10	-	SW-10	OPEN-TEST-CLOSE	-	-
22	PNEU. CONTROL SIGNAL	SELECTOR SWITCH	AV-11	AV-11	PT-11-MANIFOLD-dPRC-11	-	-
23	SPEED CONTROL	E-2A	-	-	INCREASE	-	-
24							
25							
26							
27							
28							

No	Nameplate Inscription: 1st Line	2nd Line	3rd Line	Item: Tag No	Legend Plate Inscription	Associated Pilot Light: Color * Push-to-Test	Legend Plate Inscription
31	OXYGEN CONCENTRATION	O_2RC-31	-	O_2RC	-	-	-
32	PRESSURE WITH REFERENCE	TO ACCESS AREA	dPRC-31	dPRC-31	-	-	-
33	O_2 ANALYZER-31	RANGE	SW-32	SW-32	HIGH-LOW	-	-
34	O_2 ANALYZER-31	POWER	SW-31	SW-31	ON-OFF	-	-
35	OPEN FOR TEST	WITH HIGH PRESS.	PROTECTION	PL-34a	-	G*	-
36	OPEN WITHOUT	HIGH PRESSURE	PROTECTION	PL-34b	-	R* (FLASHING)	-
37	VAULT CLOSURE	VALVES CV-34 & 35	SW-34	SW-34	CLOSE	KEY No 3	-
38	VAULT TEMPERATURE	TIC-31	-	TIC-31	-	-	-
39							
40	REFRIG. CONDENSING UNIT	RCU-3	-	SW	HAND-OFF-AUTO	G*	ON
41	ATMOSPHERE COOLING FAN	S-3A	-	SW	ON-OFF	G*	ON
42	" " "	S-3B	-	SW	ON-OFF	G*	ON
43	" " "	S-3C	-	SW	ON-OFF	G*	ON
44	ATMOSPHERE THERMOCOUPLE	SELECTOR	TIC-31	SW	No 1 - No 2	-	-
45	ATMOS. EXCHANGE - N_2 SUPPLY	CV-33	-	SW-33	OPEN-CLOSE	G*	OPEN
46	ATMOS. EXCHANGE - EXHAUST	CV-38	-	SW-38	OPEN-CLOSE	G*	OPEN
47	EMERGENCY	HAND CONTROL	HC-31	HC-31	**	-	-
48	NORMAL	AUTO. CONTROL	SW-35	SW-35	EMERG.-NORMAL	R*	EMERGENCY
49	EXHAUST VALVES	CV-36 & 37	-	-	-	-	-
50	INFILTRATION GAS EXHAUSTER	E-2C	-	SW	ON-OFF	-	-
51	PURGE VALVE No 3	SW-30	-	SW-30	OPEN-TEST-CLOSE	-	-
52	PNEU. CONTROL SIGNAL	SELECTOR SWITCH	AV-31	AV-31	PT-31-MANIFOLD-dPRC-31	-	-
53	SPEED CONTROL	E-2C	-	-	INCREASE	-	-
54							
55							
56							
57							
58							

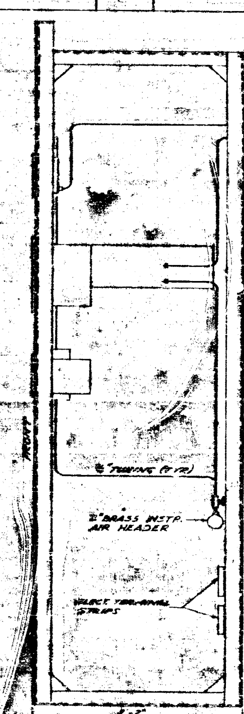
No	Nameplate Inscription: 1st Line	2nd Line	3rd Line	Item: Tag No	Legend Plate Inscription	Associated Pilot Light: Color * Push-to-Test	Legend Plate Inscription
61	OXYGEN CONCENTRATION	O_2RC-21	-	O_2RC	-	-	-
62	PRESSURE WITH REFERENCE	TO ACCESS AREA	dPRC-21	dPRC-21	-	-	-
63	O_2 ANALYZER-21	RANGE	SW-22	SW-22	HIGH-LOW	-	-
64	O_2 ANALYZER-21	POWER	SW-21	SW-21	ON-OFF	-	-
65	OPEN FOR TEST	WITH HIGH PRESS.	PROTECTION	PL-24a	-	G*	-
66	OPEN WITHOUT	HIGH PRESSURE	PROTECTION	PL-24b	-	R* (FLASHING)	-
67	VAULT CLOSURE	VALVES CV-24 & 25	SW-24	SW-24	CLOSE	KEY No 2	-
68	VAULT TEMPERATURE	TIC-21	-	TIC-21	-	-	-
69							
70	REFRIG. CONDENSING UNIT	RCU-2	-	SW	HAND-OFF-AUTO	G*	ON
71	ATMOSPHERE COOLING FAN	S-2A	-	SW	ON-OFF	G*	ON
72	" " "	S-2B	-	SW	ON-OFF	G*	ON
73	" " "	S-2C	-	SW	ON-OFF	G*	ON
74	ATMOSPHERE THERMOCOUPLE	SELECTOR	TIC-21	SW	No 1 - No 2	-	-
75	ATMOS. EXCHANGE - N_2 SUPPLY	CV-23	-	SW-23	OPEN-CLOSE	G*	OPEN
76	ATMOS. EXCHANGE - EXHAUST	CV-28	-	SW-28	OPEN-CLOSE	G*	OPEN
77	EMERGENCY	HAND CONTROL	HC-21	HC-21	**	-	-
78	NORMAL	AUTO. CONTROL	SW-25	SW-25	EMERG.-NORMAL	R*	EMERGENCY
79	EXHAUST VALVES	CV-26 & 27	-	-	-	-	-
80	INFILTRATION GAS EXHAUSTER	E-2B	-	SW	ON-OFF	-	-
81	PURGE VALVE No 2	SW-20	-	SW-20	OPEN-TEST-CLOSE	-	-
82	PNEU. CONTROL SIGNAL	SELECTOR SWITCH	AV-21	AV-21	PT-21-MANIFOLD-dPRC-21	-	-
83	SPEED CONTROL	E-2B	-	-	INCREASE	-	-
84							
85							
86							
87							
88							

** AS SHOWN ON DETAIL 2

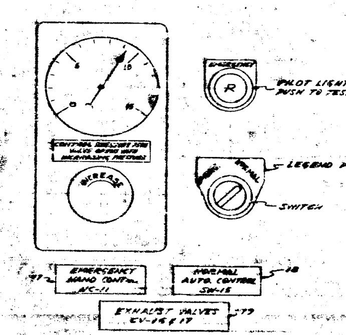
No	Nameplate Inscription: 1st Line	2nd Line	3rd Line	Item: Tag No	Legend Plate Inscription	Associated Pilot Light: Color * Push-to-Test	Legend Plate Inscription
90	TEMPERATURE INDICATOR	TI	-	TI	DESCRIBES THE SYS. WITH CARD INSERTS & BLANK CARD		
91	CONTROL POWER	MAIN SWITCH	-	SW-1	ON-OFF	-	-
92	FLOW & RADIATION	FR-40, RR-40	FRR-40	-	-	-	-
93	COUNT RATE METER	GAS RADIOACTIVITY	-	-	-	-	-
94	RADIATION MONITOR	CONTROL PANEL	-	-	-	-	-
95	FLOW RANGE SELECTOR	FE-41, 42, 61	-	SW-40	LOW-MEDIUM-HIGH	-	-
96	HOLD-UP TANK EXHAUST	HAND CONTROL	CV-50	HC-50	-	G*	ON
97	UNIT VENTILATOR	UV-1 UV-2	-	2-P.S.		G*	ON
98							
99							
100							
101	VACUUM PUMP	VC-101	-	SW	OFF-ON	G	ON
102	VAULT SELECTOR	SW-100	-	SW-100	1 - 2 - TL	KEY TYPE	REMOVABLE IN ALL POS.
103	VALVE CONTROL	CV-101, 102, 103	-	SW-101	OPEN-CLOSE	KEY TYPE	REMOVABLE IN "CLOSE" ONLY
104	HOLD-UP COMPRESSOR	AC-102A & AC-102B	-	SW / SW	ON-OFF / ON-OFF	G* / G*	ON / ON
105	EXHAUST TO TK 105-A	CV-51	-	SW-51	OPEN-CLOSE		-
106	EXHAUST TO TK 105-B	CV-52	-	SW-52	OPEN-CLOSE		-
107	EXHAUST TO TK 105-C	CV-53	-	SW-53	OPEN-CLOSE		-
108	SHIELD COOLING PUMP	P-105A & P-105B	-	SW / SW	ON-OFF / ON-OFF	G* / G*	ON / ON
109	N_2 SUPPLY	VAPORIZER	-	SW	ON-OFF	G*	ON
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120	INSTRUMENT AIR	PRESSURE	PI-61	PI-61	PSIG	-	-
121	H_2 SUPPLY	PRESSURE	PI-62	PI-62	PSIG	-	-
122	N_2 SUPPLY REDUCED	PRESSURE	PI-63	PI-63	PSIG	-	-
123	VAULT & TRANSFER LOCK	ALARM	-	ANNUNCIATOR		-	-
124	ALARM	LIGHT TEST	-	SEL. SW.	NORMAL - ALARM	-	-
125	ALARM	ACKNOWLEDGE	-	PB	-	-	-
126	ALARM	RESET	-	PB	-	-	-
127	SYSTEM	ALARM	-	ANNUNCIATOR		-	-
128	HOLD-UP TK-105 A	PRESSURE	PI-51	PI-51	PSIG	-	-
129	HOLD-UP TK-105 B	PRESSURE	PI-52	PI-52	PSIG	-	-
130	HOLD-UP TK-105 C	PRESSURE	PI-53	PI-53	PSIG	-	-
131	COUNT RATE METER	PARTICULATE ACTIVITY	-	-	-	-	-



FACILITY CONTROL PANEL (BM₂)



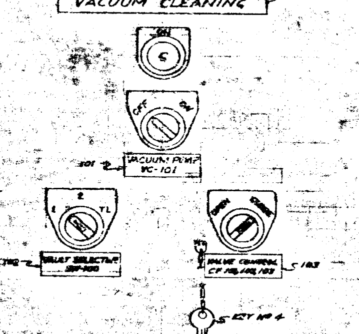
SECTION A



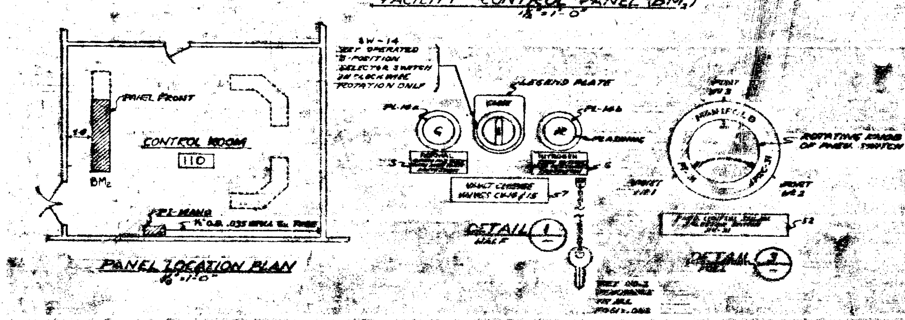
DETAIL 2 HALF

TITLE NAME PLATE SCHEDULE

No	INSCRIPTION
a	VAULT No 1
b	TRANSFER LOCK
c	VAULT No 2
d	SHIELDING
e	EXHAUST FLOW & RADIATION
f	VACUUM CLEANING



DETAIL 4 HALF



PANEL LOCATION PLAN ⅛" = 1'-0"

DETAIL 1 HALF

DETAIL 3 HALF

NOTES
1. FOR FLOW & CONTROL DIAGRAM SEE DWG. No 1483-2-II-M1/5.
2. SEE DWG. No 1483-2-I-E7, 8 & 9 FOR ELECTRICAL SCHEMATICS.
3. EQUIPMENT IDENTIFICATIONS SHOWN ON CONTROL PANEL ARE FOR REFERENCE ONLY.
4. FOR OPERATIONS PANEL AND ANNUNCIATORS SEE DWG. No 1483-2-II-12
5. FOR THERMOCOUPLES CONNECTED TO "TI" SEE DWG'S. 1483-2-V-P8, 9, 10 & 11 AND 1483-2-II-E7.

HALF SIZE PRINT

A ISSUED FOR CLIENT APPROVAL

REVISIONS

SNAP-II FACILITY, SANTA SUSANA, CALIFORNIA
PHASE II
U.S. ATOMIC ENERGY COMMISSION
CHICAGO OPERATIONS OFFICE

ENVIRONMENTAL TEST BUILDING
FACILITY CONTROL PANEL (BM₂)
INSTRUMENTATION

THE RALPH M. PARSONS COMPANY LOS ANGELES

507-324-P20
~~1483-2-II-11~~