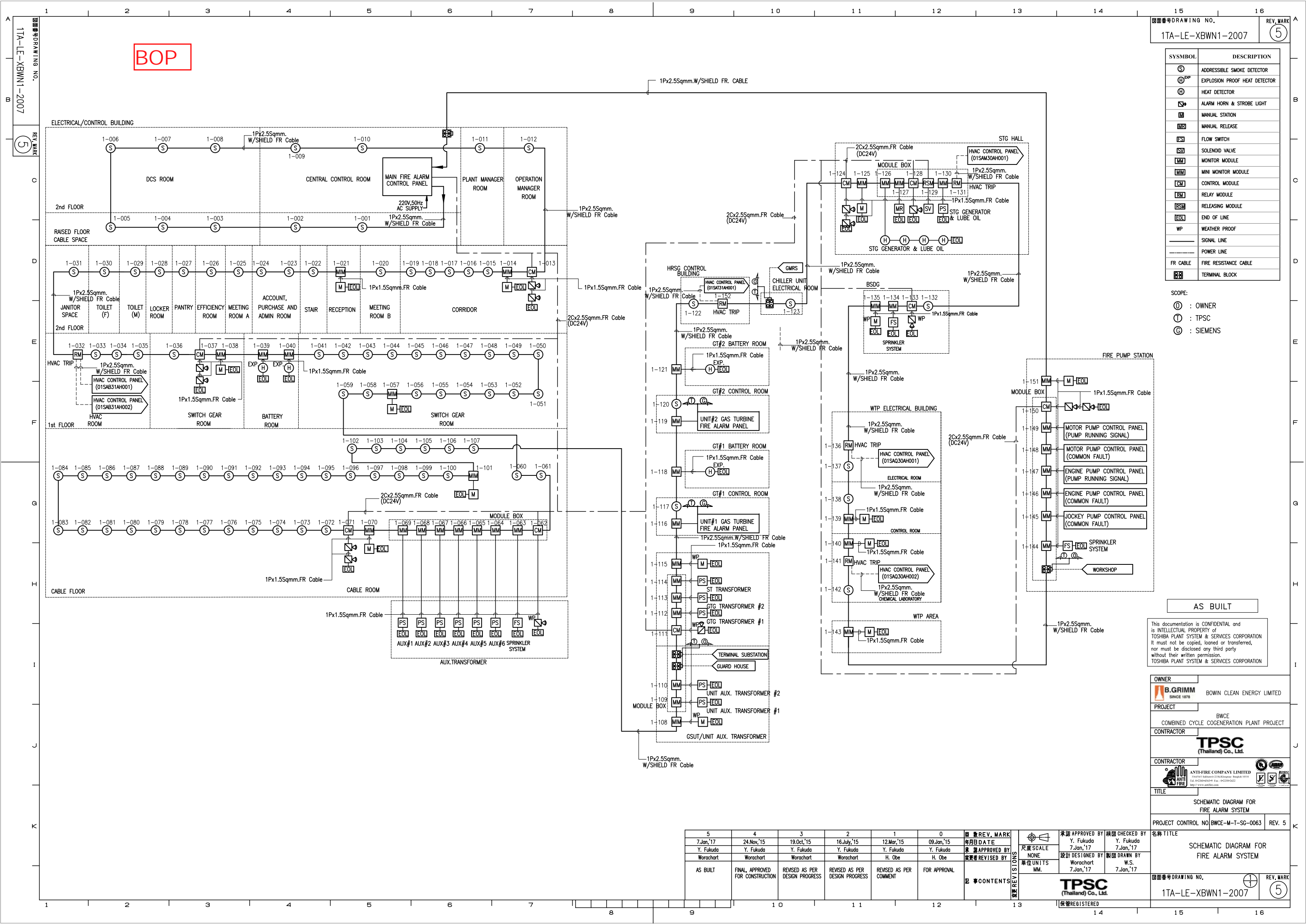

แผนผังติดตั้งระบบตรวจสอบ ตรวจจับและสัญญาณเตือนภัย



BOP

図面番号DRAWING NO. 1TA-LE-XBWN1-2007 REV. MARK 5

SYMBOL	DESCRIPTION
	ADDRESSIBLE SMOKE DETECTOR
	EXPLOSION PROOF HEAT DETECTOR
	HEAT DETECTOR
	ALARM HORN & STROBE LIGHT
	MANUAL STATION
	MANUAL RELEASE
	FLOW SWITCH
	SOLENOID VALVE
	MONITOR MODULE
	MINI MONITOR MODULE
	CONTROL MODULE
	RELAY MODULE
	RELEASING MODULE
	END OF LINE
	WEATHER PROOF
	SIGNAL LINE
	POWER LINE
	FIRE RESISTANCE CABLE
	TERMINAL BLOCK

SCOPE:
① : OWNER
② : TPSC
③ : SIEMENS

AS BUILT

This documentation is CONFIDENTIAL and is INTELLECTUAL PROPERTY of TOSHIBA PLANT SYSTEM & SERVICES CORPORATION. It must not be copied, loaned or transferred, nor must be disclosed any third party without their written permission. TOSHIBA PLANT SYSTEM & SERVICES CORPORATION

OWNER	B.GRIMM SINCE 1878	BOWIN CLEAN ENERGY LIMITED
PROJECT	BWCE COMBINED CYCLE COGENERATION PLANT PROJECT	
CONTRACTOR	TPSC (Thailand) Co., Ltd.	
CONTRACTOR	ANTI-FIRE COMPANY LIMITED (Incorporated in Thailand) Tel: 02-25045454 Fax: 02-25045422 http://www.anti-fire.com	
TITLE	SCHEMATIC DIAGRAM FOR FIRE ALARM SYSTEM	
PROJECT CONTROL NO.	BWCE-M-T-SG-0063	REV. 5

5	4	3	2	1	0	図 表REV. MARK	承認 APPROVED BY	検閲 CHECKED BY	年月日 DATE
7.Jan,'17	24.Nov,'15	19.Oct,'15	16.July,'15	12.Mar,'15	09.Jan,'15	Y. Fukuda	Y. Fukuda	Y. Fukuda	7.Jan,'17
Y. Fukuda	Y. Fukuda	Y. Fukuda	Y. Fukuda	Y. Fukuda	Y. Fukuda	承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	
Warachart	Warachart	Warachart	Warachart	H. Obe	H. Obe	承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	
AS BUILT	FINAL, APPROVED FOR CONSTRUCTION	REVISED AS PER DESIGN PROGRESS	REVISED AS PER DESIGN PROGRESS	REVISED AS PER COMMENT	FOR APPROVAL	承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	
						承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	
						承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	
						承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	
						承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	
						承認 APPROVED BY	承認 APPROVED BY	承認 APPROVED BY	

TPSC (Thailand) Co., Ltd.

図面番号DRAWING NO. 1TA-LE-XBWN1-2007 REV. MARK 5



FIRE FIGHTING SYSTEM TEST REPORT

FIRE FIGHTING SYSTEM TEST REPORT

SYSTEM Fire alarm system

SCHEDULE 6 Month

No.	Address No.	Area	Location	Device Type										Alarm Test			Test by	Date	
				Smoke	Flow Switch	Control Module	Releasing Module	Relay Module	Heat	Monitor Module	Mini Monitor Module	Manual Station	Alarm Horn	Pressure Switch	Device	Bell			Display / Lamp
1	1-001	SD CCR RAISE FL2	E&C Building	/														7	9/12/98
2	1-002	SD CCR RAISE FL2	E&C Building	/															
3	1-003	SD DCS RM RAISE FL2	E&C Building	/															
4	1-004	SD DCS RM RAISE FL2	E&C Building	/															
5	1-005	SD DCS RM RAISE FL2	E&C Building	/															
6	1-006	SD DCS RM FL2	E&C Building	/															
7	1-007	SD DCS RM FL2	E&C Building	/															
8	1-008	SD DCS RM FL2	E&C Building	/															
9	1-009	SD CCR FL2	E&C Building	/															
10	1-010	SD CCR FL2	E&C Building	/															
11	1-011	SD PPM ROOM FL2	E&C Building	/															
12	1-012	SD LIBRARY RM.FL2	E&C Building	/															
13	1-013	HORN CORRIDOR FL2	E&C Building			/						/						NCS TSS	
14	1-014	MAN CORRIDOR FL2	E&C Building								/	/							
15	1-015	SD CORRIDOR FL2	E&C Building	/									/	/	/				
16	1-016	SD CORRIDOR FL2	E&C Building	/									/	/	/				
17	1-017	SD CORRIDOR FL2	E&C Building	/									/	/	/				
18	1-018	SD CORRIDOR FL2	E&C Building	/									/	/	/				
19	1-019	SD CORRIDOR FL2	E&C Building	/									/	/	/				
20	1-020	SD MD RM.FL2	E&C Building	/									/	/	/				
21	1-021	MAN RECEPTION RM FL2	E&C Building								/	/							
22	1-022	SD STAIR FL2	E&C Building	/									/	/	/				
23	1-023	SD SECRETARY RM.FL2	E&C Building	/									/	/	/				
24	1-024	SD SECRETARY RM.FL2	E&C Building	/									/	/	/				
25	1-025	SD MEETING RM A FL2	E&C Building	/									/	/	/				
26	1-026	SD EFFICIENCY RM FL2	E&C Building	/									/	/	/				
27	1-027	SD OMD RM.FL2	E&C Building	/									/	/	/				
28	1-028	SD LOCKER RM FL2	E&C Building	/									/	/	/				
29	1-029	SD TOILET(M) RM FL2	E&C Building	/									/	/	/				
30	1-030	SD TOILET(W) RM FL2	E&C Building	/									/	/	/				
31	1-031	SD JANITOR SPACE FL2	E&C Building	/									/	/	/				
32	1-032	HVAC TRIP FL1	E&C Building				/												

Remark :

Approved By :

Position :

Date :

Signature :



FIRE FIGHTING SYSTEM TEST REPORT

FIRE FIGHTING SYSTEM TEST REPORT

SYSTEM Fire alarm system

SCHEDULE 6 Month

No.	Address No.	Area	Location	Device Type										Alarm Test			Test by	Date	
				Smoke	Flow Switch	Control Module	Releasing Module	Relay Module	Heat	Monitor Module	Mini Monitor Module	Manual Station	Alarm Horn	Pressure Switch	Device	Bell			Display / Lamp
33	1-033	SD HVAC RM FL1	E&C Building	/														NCS TSS	9/12/98
34	1-034	SD HVAC RM FL1	E&C Building	/															
35	1-035	SD HVAC RM FL1	E&C Building	/															
36	1-036	SD SWGR RM FL1	E&C Building	/															
37	1-037	HORN SWGR RM FL1	E&C Building		/						/								
38	1-038	MAN SWGR RM FL1	E&C Building							/	/								
39	1-039	HD BATTERY RM FL1	E&C Building					/		/									
40	1-040	HD BATTERY RM FL1	E&C Building					/		/									
41	1-041	SD SWGR RM FL1	E&C Building	/									/	/	/				
42	1-042	SD SWGR RM FL1	E&C Building	/									/	/	/				
43	1-043	SD SWGR RM FL1	E&C Building	/									/	/	/				
44	1-044	SD SWGR RM FL1	E&C Building	/									/	/	/				
45	1-045	SD SWGR RM FL1	E&C Building	/									/	/	/				
46	1-046	SD SWGR RM FL1	E&C Building	/									/	/	/				
47	1-047	SD SWGR RM FL1	E&C Building	/									/	/	/				
48	1-048	SD SWGR RM FL1	E&C Building	/									/	/	/				
49	1-049	SD SWGR RM FL1	E&C Building	/									/	/	/				
50	1-050	SD SWGR RM FL1	E&C Building	/									/	/	/				
51	1-051	SD SWGR RM FL1	E&C Building	/									/	/	/				
52	1-052	SD SWGR RM FL1	E&C Building	/									/	/	/				
53	1-053	SD SWGR RM FL1	E&C Building	/									/	/	/				
54	1-054	SD SWGR RM FL1	E&C Building	/									/	/	/				
55	1-055	SD SWGR RM FL1	E&C Building	/									/	/	/				
56	1-056	SD SWGR RM FL1	E&C Building	/									/	/	/				
57	1-057	MAN SWGR RM FL1	E&C Building							/	/								
58	1-058	SD SWGR RM FL1	E&C Building	/									/	/	/				
59	1-059	SD SWGR RM FL1	E&C Building	/									/	/	/				
60	1-060	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
61	1-061	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
62	1-062	HORN AUX TR AREA	E&C Building			/						/							
63	1-063	SPKR CABLE CELLAR RM'	E&C Building							/									
64	1-064	PS DELUGE AUX TR6	E&C Building							/			/						

Remark :

Approved By :

Position :

Date :

Signature :



FIRE FIGHTING SYSTEM TEST REPORT

FIRE FIGHTING SYSTEM TEST REPORT

SYSTEM Fire alarm system

SCHEDULE 6 Month

No.	Address No.	Area	Location	Device Type										Alarm Test				Test by	Date		
				Smoke	Flow Switch	Control Module	Releasing Module	Relay Module	Heat	Monitor Module	Mini Monitor Module	Manual Station	Alarm Horn	Pressure Switch	Device	Bell	Display / Lamp				
65	1-065	PS DELUGE AUX TR5	E&C Building							/				/						TSS	10/12/1
66	1-066	PS DELUGE AUX TR4	E&C Building							/				/							
67	1-067	PS DELUGE AUX TR3	E&C Building							/				/							
68	1-068	PS DELUGE AUX TR2	E&C Building							/				/							
69	1-069	PS DELUGE AUX TR1	E&C Building							/				/							
70	1-070	MAN CABLE CELLAR FL	E&C Building							/	/										
71	1-071	HORN CABLE CELLAR FL	E&C Building		/							/									
72	1-072	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
73	1-073	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
74	1-074	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
75	1-075	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
76	1-076	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
77	1-077	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
78	1-078	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
79	1-079	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
80	1-080	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
81	1-081	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
82	1-082	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
83	1-083	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
84	1-084	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
85	1-085	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
86	1-086	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
87	1-087	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
88	1-088	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
89	1-089	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
90	1-090	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
91	1-091	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
92	1-092	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
93	1-093	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
94	1-094	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
95	1-095	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			
96	1-096	SD CABLE CELLAR FL	E&C Building	/										/	/	/	/	/			

Remark :

Approved By :

Position :

Date :

Signature :

JPS
ESM
09/01/95
/



FIRE FIGHTING SYSTEM TEST REPORT

FIRE FIGHTING SYSTEM TEST REPORT

SYSTEM Fire alarm system

SCHEDULE 6 Month

No.	Address No.	Area	Location	Device Type											Alarm Test			Test by	Date
				Smoke	Flow Switch	Control Module	Releasing Module	Relay Module	Heat	Monitor Module	Mini Monitor Module	Manual Station	Alarm Horn	Pressure Switch	Device	Bell	Display / Lamp		
97	1-097	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
98	1-098	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
99	1-099	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
100	1-100	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
101	1-101	MAN CABLE CELLAR FL	E&C Building							/	/								
102	1-102	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
103	1-103	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
104	1-104	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
105	1-105	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
106	1-106	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
107	1-107	SD CABLE CELLAR FL	E&C Building	/									/	/	/				
108	1-108	MAN UNIT AUX TR AREA	E&C Building							/	/								
109	1-109	PS UNIT AUX TR1	E&C Building							/			/						
110	1-110	PS UNIT AUX TR2	E&C Building							/			/						
111	1-111	HORN GSUT TR AREA	GSUT Area		/							/							
112	1-112	PS DELUGE GTG TR1	GSUT Area							/			/						
113	1-113	PS DELUGE GTG TR2	GSUT Area							/			/						
114	1-114	PS DELUGE ST TR	GSUT Area							/			/						
115	1-115	MAN GSUT TR AREA	GSUT Area							/	/								
116	1-116	CONTROL ROOM GT#1	GT11 Area							/									
117	1-117	SD CONTROL ROOM GT#1	GT11 Area	/									/	/	/				
118	1-118	HD BATTERY RM GT#1	GT11 Area						/	/									
119	1-119	CONTROL ROOM GT#2	GT12 Area						/										
120	1-120	SD CONTROL ROOM GT#2	GT12 Area	/									/	/	/				
121	1-121	HD BATTERY RM GT#2	GT12 Area						/	/									
122	1-122	SD HRSG CONTROL BLD	HRSG Swich Gear room.	/									/	/	/				
123	1-123	SD CHILLER UNIT ELEC	Chiller Plant.	/									/	/	/				
124	1-124	HORN STG HALL	STG Hall		/							/							
125	1-125	MAN STG HALL	STG Hall							/	/								
126	1-126	HD STEAM TURBINE	STG Hall						/	/									
127	1-127	MAN RELEASE ST	STG Hall							/	/	/							
128	1-128	HORN STEAM TURBINE	STG Hall		/							/							

Remark :

Approved By :

Position :

Date :

Signature :

JPS
ESM
09/01/95
/



FIRE FIGHTING SYSTEM TEST REPORT

FIRE FIGHTING SYSTEM TEST REPORT

Mini Monitor Module

SYSTEM Fire alarm system

SCHEDULE 6 Month

No.	Address No.	Area	Location	Device Type										Alarm Test		Test by	Date
				Smoke	Flow Switch	Control Module	Releasing Module	Relay Module	Heat	Monitor Module	Mini Monitor Module	Manual Station	Alarm Horn	Pressure Switch	Device		
129	1-129	SOL RELEASING ST	STG Hall				/										11/12/29
130	1-130	PS STEAM TURBINE	STG Hall							/				/			
131	1-131	HVAC TRIP ST	STG Hall				/										
132	1-132	SD BSDG AREA	BSDG Area	/										/	/	/	
133	1-133	HORN BSDG AREA	BSDG Area			/						/					
15	1-134	SPKR SYS BSDG AREA	BSDG Area							/							
135	1-135	MAN BSDG AREA	BSDG Area							/	/						
136	1-136	HVAC WTP ELEC RM	WTP Building				/										
137	1-137	SD WTP ELECTRICAL RM	WTP Building	/										/	/	/	
138	1-138	SD WTP CONTROL ROOM	WTP Building	/										/	/	/	
139	1-139	MAN WTP CONTROL ROOM	WTP Building							/	/						
140	1-140	MAN WTP CHEM LAB	WTP Building							/	/						
141	1-141	HVAC WTP CHEM RM	WTP Building				/										10/12/29
142	1-142	SD WTP CHEM LAB	WTP Building	/										/	/	/	JSS
143	1-143	MAN WTP AREA	WTP Building							/	/						
144	1-144	SPKR F/P STATION	Fire Pump Station							/							
145	1-145	COMM. FLT JOCKEY PUM	Fire Pump Station							/							
146	1-146	COMM. FLT DIESEL PUM	Fire Pump Station							/							
147	1-147	DIESEL PUMP RUN SIG	Fire Pump Station							/							
148	1-148	COMM. FLT ELEC PUMP	Fire Pump Station							/							
149	1-149	ELEC PUMP RUN SIG.	Fire Pump Station							/							
150	1-150	HORN F/P STATION	Fire Pump Station			/						/					
151	1-151	MAN F/P STATION	Fire Pump Station							/	/						
152	1-152	GAS METERING CTR RM	Gas Metering Station									/					
153	1-153	TERMINAL SUB BUILD	Terminal substation.							/							
154	1-154	HVAC HRSG CONTROL RM	HRSG Switch gear room.				/										
155	1-155	GT CHILLER UNIT	Chiller Plant				/										
156	1-156	MAN OIL RM.CHEM BLDG	Chemical Building							/	/						
157	1-157	HORN CHEMICAL BLDG	Chemical Building			/						/					
158	1-158	SD OIL RM.CHEM BLDG	Chemical Building	/										/	/	/	
159	1-159	SD OIL RM.CHEM BLDG	Chemical Building	/										/	/	/	
160	1-160	SD CHEMICAL ROOM	Chemical Building	/										/	/	/	

Remark :

Approved By :

Position :

Date :

Signature :

JPS
ESM
05/01/2025



FIRE FIGHTING SYSTEM TEST REPORT

FIRE FIGHTING SYSTEM TEST REPORT

SYSTEM Fire alarm system

SCHEDULE 6 Month

No.	Address No.	Area	Location	Device Type										Alarm Test		Test by	Date
				Smoke	Flow Switch	Control Module	Releasing Module	Relay Module	Heat	Monitor Module	Mini Monitor Module	Manual Station	Alarm Horn	Pressure Switch	Device		
161	1-161	SD CHEMICAL ROOM	Chemical Building	/										/	/	/	
162	1-162	SD GAS STORAGE	Chemical Building	/										/	/	/	
163	1-163	SD GAS STORAGE	Chemical Building	/										/	/	/	
164	1-164	MAN CHEMICAL ROOM	Chemical Building							/	/						
165	1-165	HORN ADMIN BLDG	Admin Building			/						/					
16	1-166	MAN ADMIN BLDG	Admin Building							/	/						
167	1-167	SD PANTRY ADMIN BLDG	Admin Building	/										/	/	/	
168	1-168	SD MEETING RM ADMIN	Admin Building	/										/	/	/	
169	1-169	SD CORRIDOR ADMIN	Admin Building	/										/	/	/	
170	1-170	SD PURCHASE ADMIN	Admin Building	/										/	/	/	
171	1-171	SD ADMIN RM	Admin Building	/										/	/	/	
172	1-172	SD ACCOUNT RM ADMIN	Admin Building	/										/	/	/	JES
173	1-173	SD ADMIN&HR RM ADMIN	Admin Building	/										/	/	/	TC
174	1-174	SD CORRIDOR ADMIN	Admin Building	/										/	/	/	
175	1-175	MAN ADMIN BLDG	Admin Building							/	/						
176	1-176	SIGNAL AL. W/WH'	Work shop & Warehouse							/							
177	1-177	SD WASTE BUILDING	Waste Building	/										/	/	/	
178	1-178	SD WASTE BUILDING	Waste Building	/										/	/	/	
179	1-179	SD WASTE BUILDING	Waste Building	/										/	/	/	
180	1-180	SD FITNESS GEARBOX ZONE2	Gear box Building	/										/	/	/	
181	1-181	SD FITNESS GEARBOX ZONE2	Gear box Building	/										/	/	/	
182	1-182	SD CORRIDOR ZONE2	Gear box Building	/										/	/	/	
183	1-183	SD LIBRARY ZONE2	Gear box Building	/										/	/	/	
18	1-184	SD LIBRARY ZONE2	Gear box Building	/										/	/	/	
185	1-185	MAN CORRIDOR ZONE2	Gear box Building								/						
186	1-186	RM CORRIDOR ZONE2	Gear box Building							/							
187	1-187	SD GEARBOX ZONE1	Gear box Building	/										/	/	/	
188	1-188	SD GEARBOX ZONE1	Gear box Building	/										/	/	/	
189	1-189	SD GEARBOX ZONE1	Gear box Building	/										/	/	/	
190	1-190	SD GEARBOX ZONE1	Gear box Building	/										/	/	/	
191	1-191	SD GEARBOX ZONE1	Gear box Building	/										/	/	/	
192	1-192	SD GEARBOX ZONE1	Gear box Building	/										/	/	/	

Remark :

Approved By :

Position :

Date :

Signature :

JPS
05/01/2025

