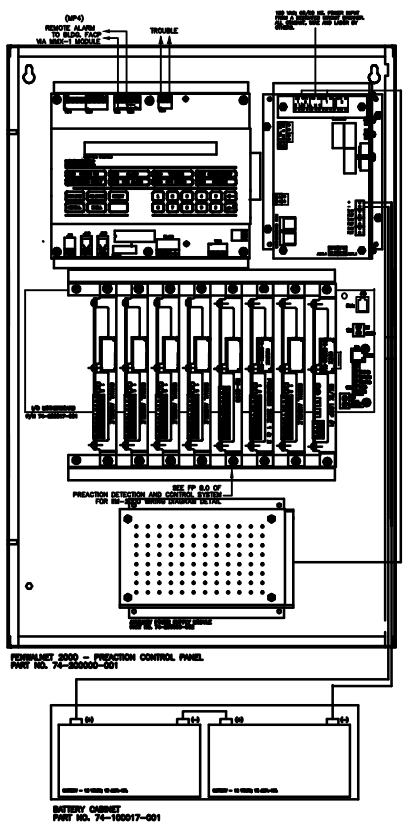

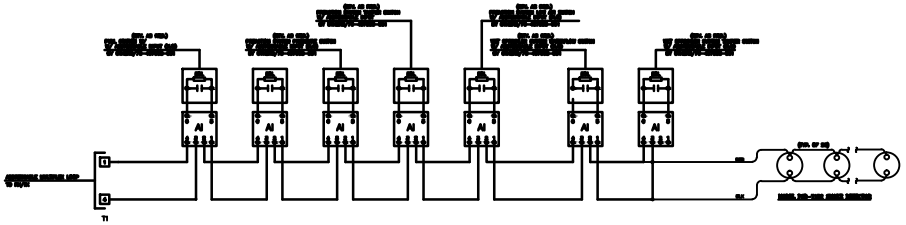

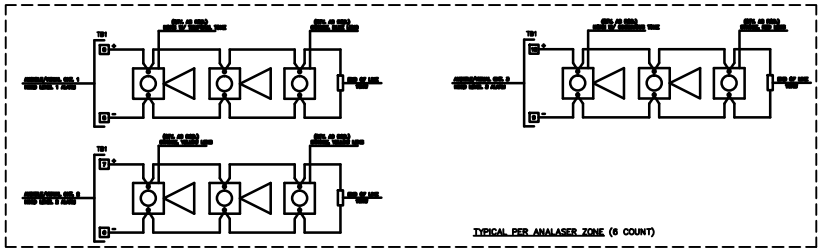

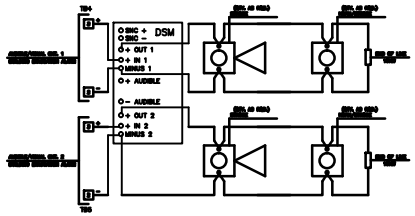

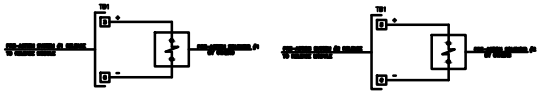

DEVICE	MANUFACTURER	DESCRIPTION	QTY.	STANDBY CURRENT	ALARM CURRENT	DEVICES IN ALARM	STANDBY CURRENT	ALARM CURRENT
74-200000-001	FENWAL	CENTRAL CONTROL MODULE	1	0.070	0.310	1	0.0700	0.3100
74-200002-000	FENWAL	RECEIVER / TRANSMITTER MODULE	1	0.035	0.035	1	0.0350	0.0350
74-100009-001	FENWAL	POWER SUPPLY / MONITOR	2	0.090	0.090	2	0.1800	0.1800
85-100002-001	FENWAL	M-3000	1	0.070	0.1600	1	0.0700	0.0700
74-200001-001	FENWAL	AGENT RELEASE OUTPUT MODULE	5	0.0660	0.1500	5	0.3300	0.7500
74-200003-001	FENWAL	SIGNAL AUDIBLE MODULE	1	0.0260	0.1360	1	0.0260	0.1360
70-003001-103	FENWAL P/N-71SS	PHOTO DETECTOR	39	0.00040	0.00044	39	0.0160	0.0172
70-000001-000	FENWAL	ADDRESSABLE CONTACT OUTPUT	3	0.00040	0.00044	3	0.0012	0.00132
70-007008-001	FENWAL	ADDRESSABLE CONTACT INPUT	18	0.00040	0.00044	18	0.0072	0.00792
73218BN4JNLVN0D11C2	BONNER SOLENOID	PREACTION SOLENOID	2	0	0.4800	2	0	0.9600
P2M-1	AIR PRODUCTS	P2M-1 RELAY	3	0	0.0150	3	0	0.0450
SBL03009	SPICE ABE	V33 STROBE	18	0	0.0800	18	0	1.4400
HA24-9	S-MAX ABE	HORN	12	0	0.0120	12	0	0.1080
RSS-24109-FR	WHELOCK	STROBE, 15 CANDELA	2	0	0.0800	2	0	0.1600
RSS-24799-FR	WHELOCK	STROBE, 75 CANDELA	2	0	0.1320	2	0	0.2640
RSS-24110W-FR	WHELOCK	STROBE, 110 CANDELA	3	0	0.1610	3	0	0.4830
AS-24109-FR	WHELOCK	HORN/STROBE, 15 CANDELA	3	0	0.0870	3	0	0.2610
AS-24799-FR	WHELOCK	HORN/STROBE, 75 CANDELA	2	0	0.1770	2	0	0.3540
AS-24110W-FR	WHELOCK	HORN/STROBE, 110 CANDELA	6	0	0.2020	6	0	1.2120
DSM-12/24-R	WHELOCK	DSM DUAL SYNC MODULE	1	0	0.0360	1	0	0.0360
						TOTAL SUMS	0.6280	6.6930

TOTAL SUPERVISORY CURRENT	0.6280
HOURS OF STANDBY	24
AMP HR.S REQUIRED	15.0720
TOTAL ALARM CURRENT	6.6930
HOURS OF ALARM	0.167
AMP HR.S REQUIRED	1.1159
TOTAL AMP HR.S REQUIRED	16.1879
AMP HR. BATT. PROVIDED	18.0

STANDBY BATTERY CALCULATIONS – FENWALNET MODEL 2000
(24 HOURS STANDBY AND 10 MINUTES ALARM)

G:\Eng\AutoCAD\Support Files\DREV.W

2650 MIRA MAR AVENUE
LONG BEACH, CA. 90815
T 562 494 3557
F 562 495 6444

TYPE OF DRAWING
FIRE ALARM SYSTEM MODIFICATION

CLIENT
US LAWRENCE BERKELEY LAB
PO BOX 808
BERKELEY, CA 94701

NO.	ISSUE DATE	DESCRIPTION	BY
1	12-14-00	FOR SUBMITTAL	BPK
2	03-28-01	AS-BUILT	AA

AS BUILT BY
ELECTRICAL ISSUE DATE BY
MECHANICAL ISSUE DATE BY
CHECK-OUT TECHNICIAN ISSUE DATE BY

PROJECT NAME
LAWRENCE BERKELEY
NATIONAL LABORATORY
BASEMENT
415 20TH STREET
OAKLAND, CA 94612
SHEET DESCRIPTION FENWAL CONTROL PANEL

PROFESSIONAL ENGINEER
Registered Professional
EXP. 06/30/2004
STATE OF CALIFORNIA
REG. NO. 18718

PROJECT NUMBER AL-00013
FILE NAME AL-00013DA.dwg
APPROVED BY BV
DRAWN BY HHB
DESIGN BY BPK
SCALE N/A
DRAWING NUMBER
6484
SHEET NUMBER
FP 3.0
FILE: 00012453
4N943E071
PROJ. NO. FH0113