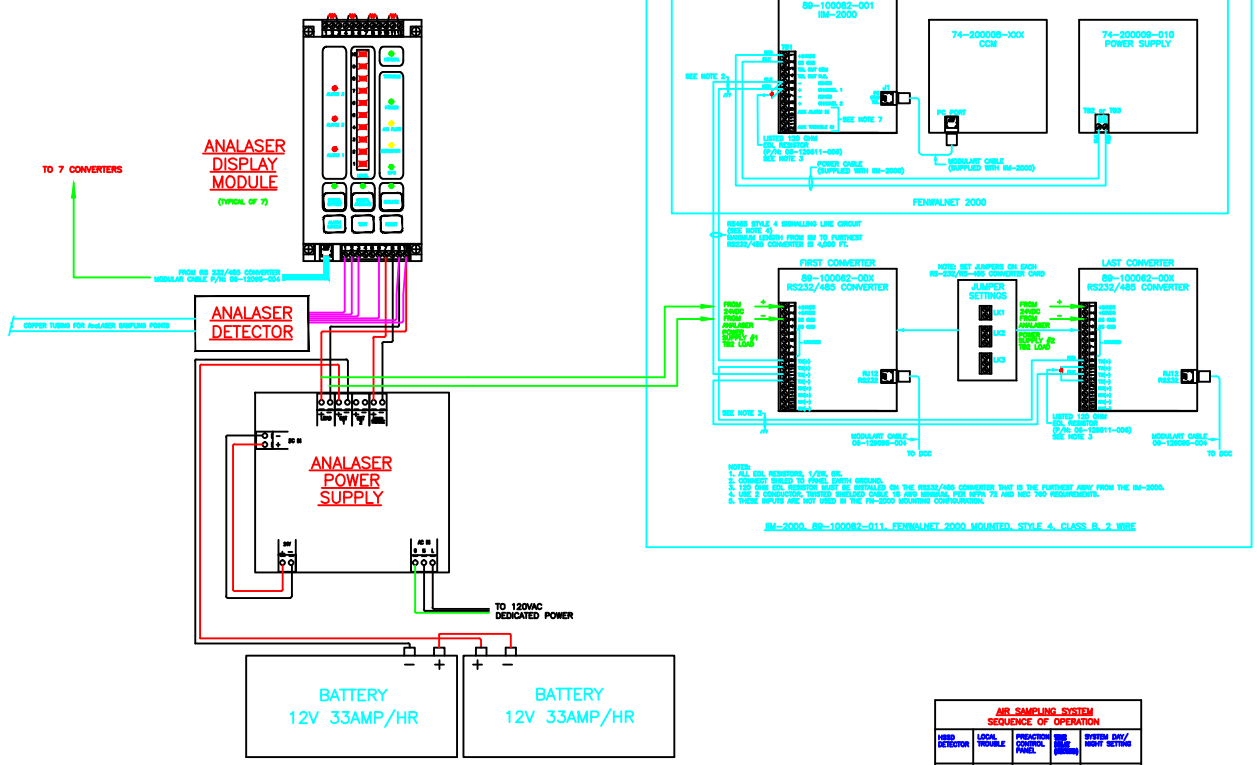

STANDBY BATTERY CALCULATIONS: SYSTEM #1
AnaLASER 2005

(24 HOURS STANDBY + 10 MINUTES ALARM)

DEVICE		SUPERVISORY CURRENT		ALARM CURRENT
4 DISPLAY CONTROL CARD	+	.140 AMPS	+	.800 AMPS
4 HSSD DETECTOR		1.040 AMPS		1.200 AMPS
		1.180 AMPS		1.240 AMPS
	x	24 HOURS	x	.167 HOURS
		28.320 AMPHOURS		.2739 AMPHOURS

28.3200 AMPHOURS (STANDBY) + .2739 AMPHOURS (ALARM) = 28.5939 AMPHOURS

BATTERIES SUPPLIED WITH SYSTEM ARE RATED AT 33 AMPHOURS.

STANDBY BATTERY CALCULATIONS: SYSTEM #2
AnaLASER 2005

(24 HOURS STANDBY + 10 MINUTES ALARM)

DEVICE		SUPERVISORY CURRENT		ALARM CURRENT
1 DISPLAY CONTROL CARD	+	.035 AMPS	+	.165 AMPS
3 HSSD DETECTOR		.785 AMPS		.785 AMPS
		.818 AMPS		.9300 AMPS
	x	24 HOURS	x	.167 HOURS
		19.6600 AMPHOURS		.1553 AMPHOURS

19.6600 AMPHOURS (STANDBY) + .1553 AMPHOURS (ALARM) = 19.7153 AMPHOURS

BATTERIES SUPPLIED WITH SYSTEM ARE RATED AT 33 AMPHOURS.

AIR SAMPLING SYSTEM
SEQUENCE OF OPERATION

HSSD DETECTOR	LOCAL TROUBLE	FIRE CONTROL PANEL	TIME DELAY (SECONDS)	SYSTEM DAY/ NIGHT SETTING
TROUBLE	X			
ALARM LEVEL 1		X	30	30R/30R
ALARM LEVEL 2		X	30	60R/60R
ALARM LEVEL 3		X	30	100R/100R

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2000 MIRA MAR AVENUE
LONG BEACH, CA. 90815
T 562 494 2007
F 562 495 6494

TYPE OF DRAWING
PREACTION DETECTION AND CONTROL SYSTEM

VENDOR
SIMCO ELECTRIC
1400 MEADOWS DRIVE
SANTA CLARA, CALIFORNIA 95050

NO.	DATE	DESCRIPTION	BY
1	4-24-2002	FOR REVIEW	RCA
2	4-25-2002	FOR SUBMITTAL	RCA
3	6-3-2002	REV. PER PLAN CHECK CORRECTIONS	RCA
4	6-23-2002	REV. PER C.O. #1 & C.O. #2	RCA
5	6-25-2002	REV. PER PLAN CHECK CORR. #2	RCA
6	10-10-02	AS BUILT	DG

AS BUILT BY
ELECTRICAL: MIKE DIAZ BY
MECHANICAL: MIKE DIAZ BY
CHECK-OUT TECHNICIAN: MIKE DIAZ BY

PROJECT NAME
LAWRENCE BERKELEY
NATIONAL LABORATORY
COMPUTING CENTER
415 20th STREET
OAKLAND, CALIFORNIA 94612

DRAWING TITLE
ANALASER CONTROL PANEL LAYOUT

PROFESSIONAL STAMP
EXP. 04/30/2004

PROJECT NUMBER: AL-02024
FILE NAME: AL-02024127.DWG
DRAWN BY: BY
CHECKED BY: MMD
SIGNED BY: RCA
SCALE: N/A
DRAWING NUMBER
6011P

DRAFT VERSION
FP 8.0
FILE: C0012447
4N943E065
PROJ. NO. FH0113