

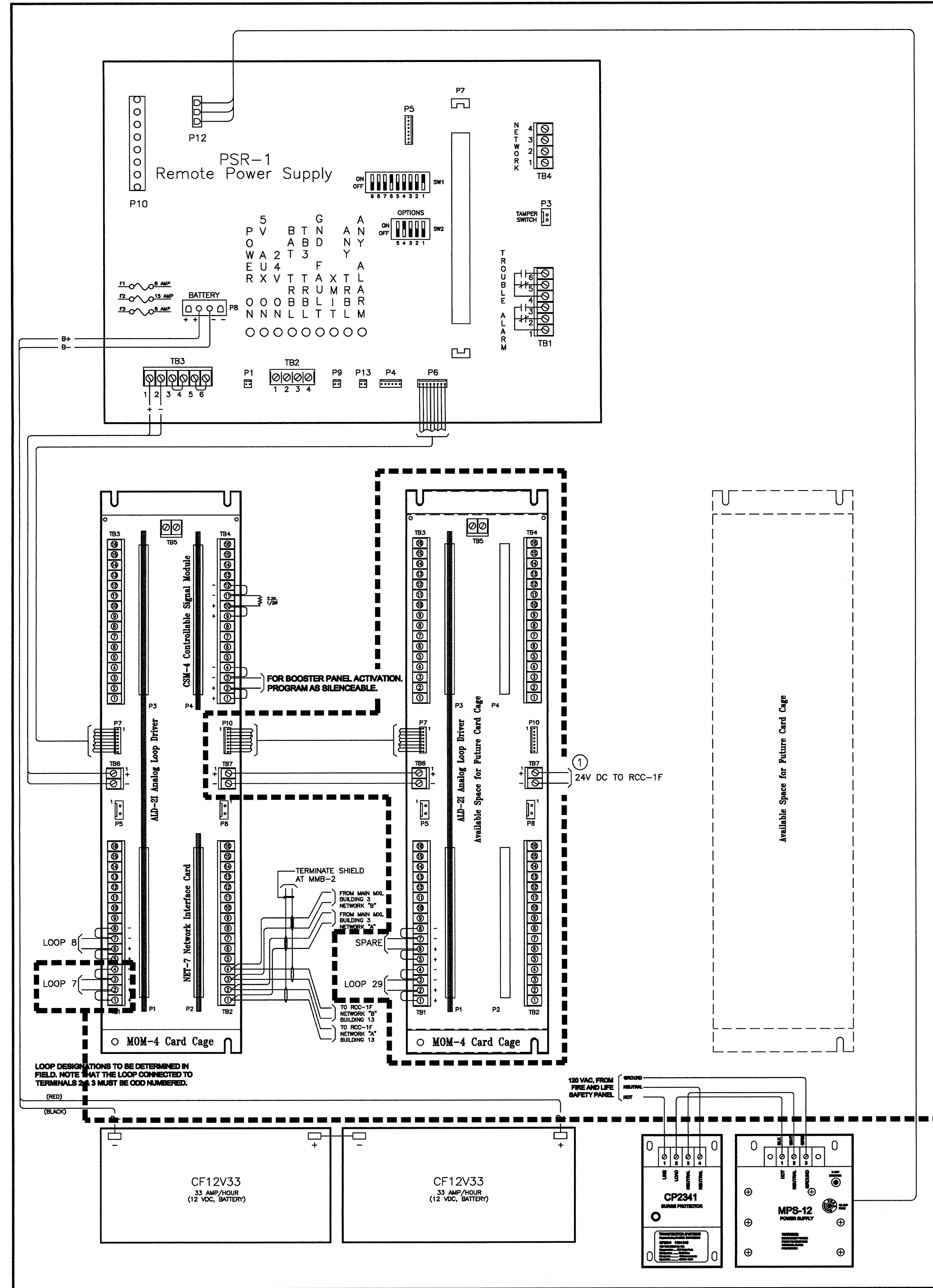
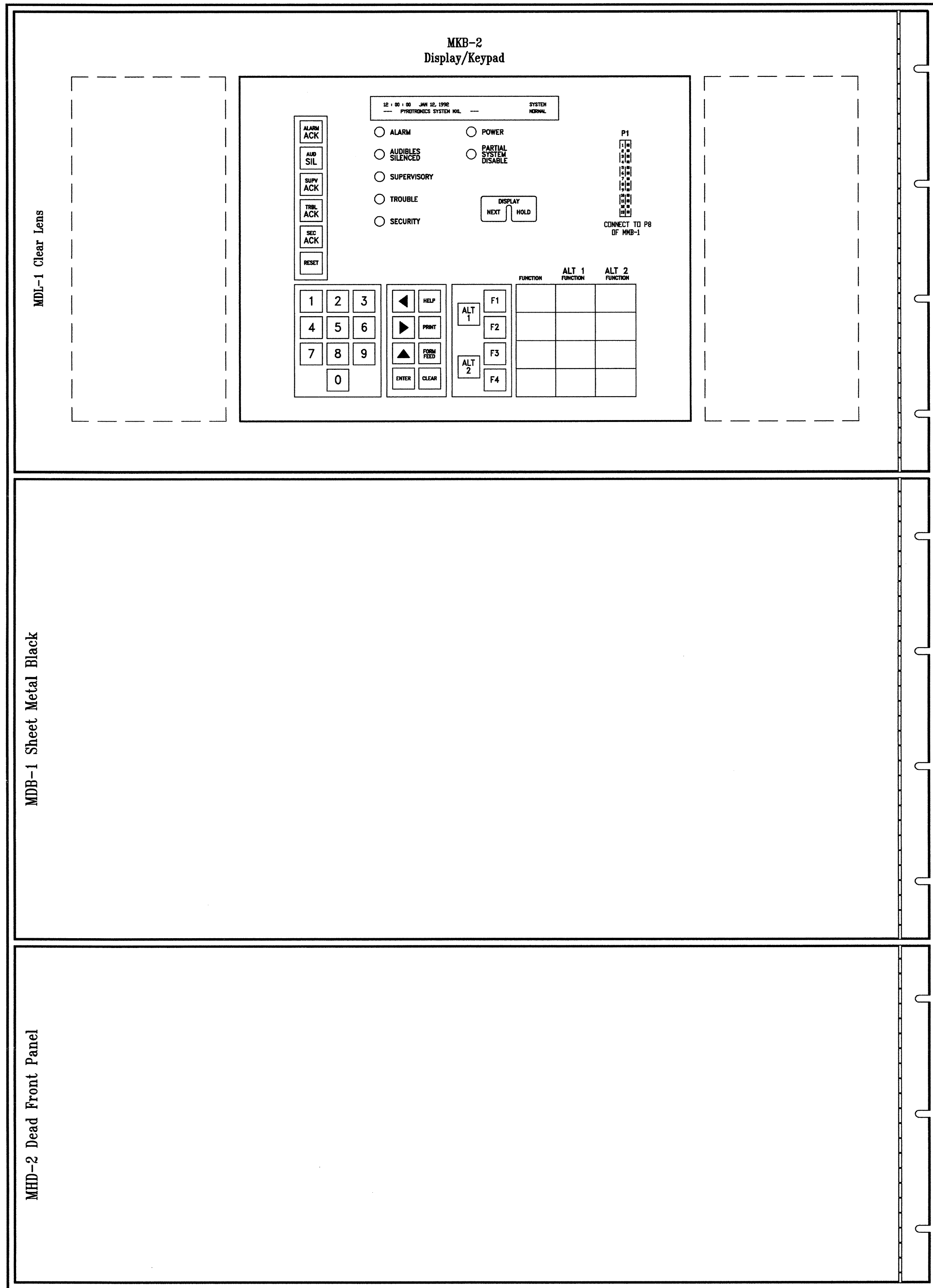
SHEET NOTE:

- ① EXISTING RCC-1F POWER CIRCUIT TO BE MOVED FROM EXISTING MOM-4 CARD CAGE TO NEW MOM-4 CARD CAGE.

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REVISIONS

No.	Revision	By	Date	Appr.



**MXL BATTERY CALCULATION**

DESCRIPTION	Quantity	Standby 24 VDC Module / Card	End of Line	Load Current Per Circuit	Total Standby 24VDC
ALD-2F ANALOG LOOP DRIVER (1mA per device (2 loops per card))	2	0.105		0.264	0.210
CSM-4 CONTROLLABLE SIGNAL MODULE (12mA per NAC circuit (2 ckt. per card))	2	0.010	0.012	0.024	0.010
MKB-2 ANNUNCIATOR/KEYBOARD	1	0.005		0.005	
NET-7 NETWORK CARD	1	0.030		0.030	
PSR-1 REMOTE POWER SUPPLY	1	0.070		0.070	
RCC-1/F REMOTE COMMAND CENTER	1	0.080		0.080	
<b>TOTAL SUPERVISORY CURRENT</b>					<b>0.693</b>

XLS NOTIFICATION CIRCUITS		TOTAL CKT CURRENT LOAD
PSC-12	0.5	0.5
<b>TOTAL ALARM CURRENT (AMPS)</b>		<b>0</b>

**SUMMARY**

A = TOTAL SUPERVISORY CURRENT x SUPERVISORY TIME REQUIRED  
 0.693 AMPS x 24 HR  
 = 16.632 (AMP-HR)

B = TOTAL ALARM CURRENT x ALARM TIME REQUIRED  
 0.5 AMPS x .083 HR  
 = 0.042 (AMP-HR)

C = A + B  
 = 16.674 (AMP-HR)

SUPERVISORY TIME REQUIRED—24 HR  
 ALARM TIME REQUIRED—5 MINS. or .083 HR  
 BATTERY PROVIDED..... UB12330 (2)  
 BATTERY SIZE..... 33 (AMP-HR)  
 TOTAL SYSTEM REQUIRED (A-H)  
 = 16.674 AMP-HOUR  
 BATTERY RESERVE AFTER  
 24 HOURS SUPERVISORY  
 & 5 MINUTES ALARM (AMP-HOUR)  
 = 16.327 AMP-HOUR

**LOOP - SCHEDULE**

CKT NUMBER	MODULE	DESCRIPTION	LOCATION
7	ALD-2F #1	INITIATING DEVICES	BUILDING 5: FIRST, SECOND, THIRD FLOORS BUILDING 6: FIRST FLOORS
8	ALD-2F #1	INITIATING DEVICES	BUILDING 8: FIRST AND SECOND FLOOR
29	ALD-2F #1	INITIATING DEVICES	BUILDING 5: FIRST, SECOND, THIRD FLOORS BUILDING 6: FIRST FLOORS
SPARE		SPARE	SPARE

SCOPE OF WORK

MXLR PANEL ENCLOSURE CONSISTING OF:  
 MBR-2 Backbox  
 MDR-2 Door

MXLR PANEL ENCLOSURE CONSISTING OF:  
 MBR-2 Backbox  
 MDR-2 Door

Internal View

MXLR — REMOTE FIRE ALARM CONTROL PANEL  
 Building 8, Canada College

DESIGN ENGINEER:  
 PROJECT: 2007-0731  
 CONTRACT: Urban@Interface

**INTERFACE ENGINEERING**  
 717 Market Street  
 Suite 500  
 San Francisco, CA 94103  
 TEL: 415.489.7240  
 FAX: 415.489.7289  
 www.interfaceengineering.com

FILE NO. 41-C1  
 IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 01-110074  
 AC: FLS: SS: DATE:

CONTRACTOR'S NAME & ADDRESS:  
**InterMountain ELECTRIC COMPANY**  
 947 Washington Street  
 San Carlos CA 94070  
 Tel: 650.591.7118 Fax: 650.591.7123  
 contact@im-electric.com

PRODUCT MANUFACTURER:  
**SIEMENS Industry**  
 SAN FRANCISCO BRANCH  
 25821 Industrial Boulevard, Suite 300  
 Hayward, California 94545-2991  
 Tel: (510) 783-6000 Fax: (510) 293-2100  
 California State C10 License No. 756796  
 U.L. Certificate ID No. 324787-001

JOB NAME & LOCATION (STREET ADDRESS)  
**FIRE ALARM FOR SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT CAÑADA COLLEGE BUILDINGS 5 AND 6 MODERNIZATION**  
 4200 FARM HILL BOULEVARD REDWOOD CITY, CA 94061

SHEET CONTENTS:  
**COVER/ DRAWING INDEX/ EQUIPMENT LIST**

INSTALLATION TYPE  
 NEW INSTALLATION  
 DESIGN/BUILD  
 PER CONTRACT DOCUMENT  
 EXISTING BASE JOB # \_\_\_\_\_  
 OTHERS \_\_\_\_\_

SYSTEM SALES REP.: Kelly Rogers  
 PROJECT MANAGER: Jesse Mangosing  
 DRAWN BY: Ronald Babiera  
 CAD FILENAME: 44OP-070529.DWG  
 SCALE: N/A  
 DATE DRAWN: April 07, 2010 PLOT DATE: May 17, 2010  
 SHEET: FA-02 JOB NUMBER: 44OP-070529 NET NUMBER: 5249672

IF DRAWING IS SMALLER THAN 30" X 42" IT IS A REDUCED COPY