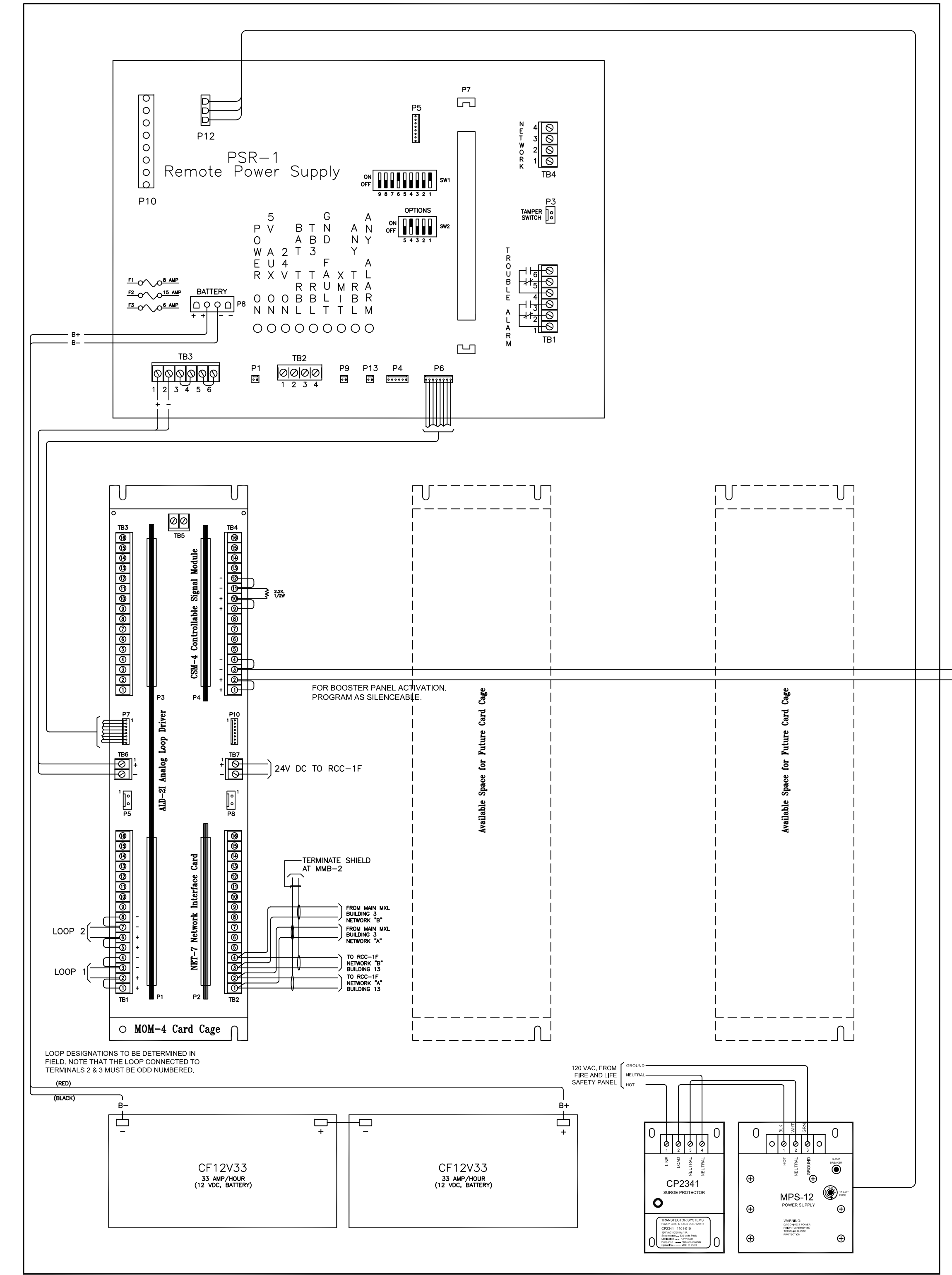
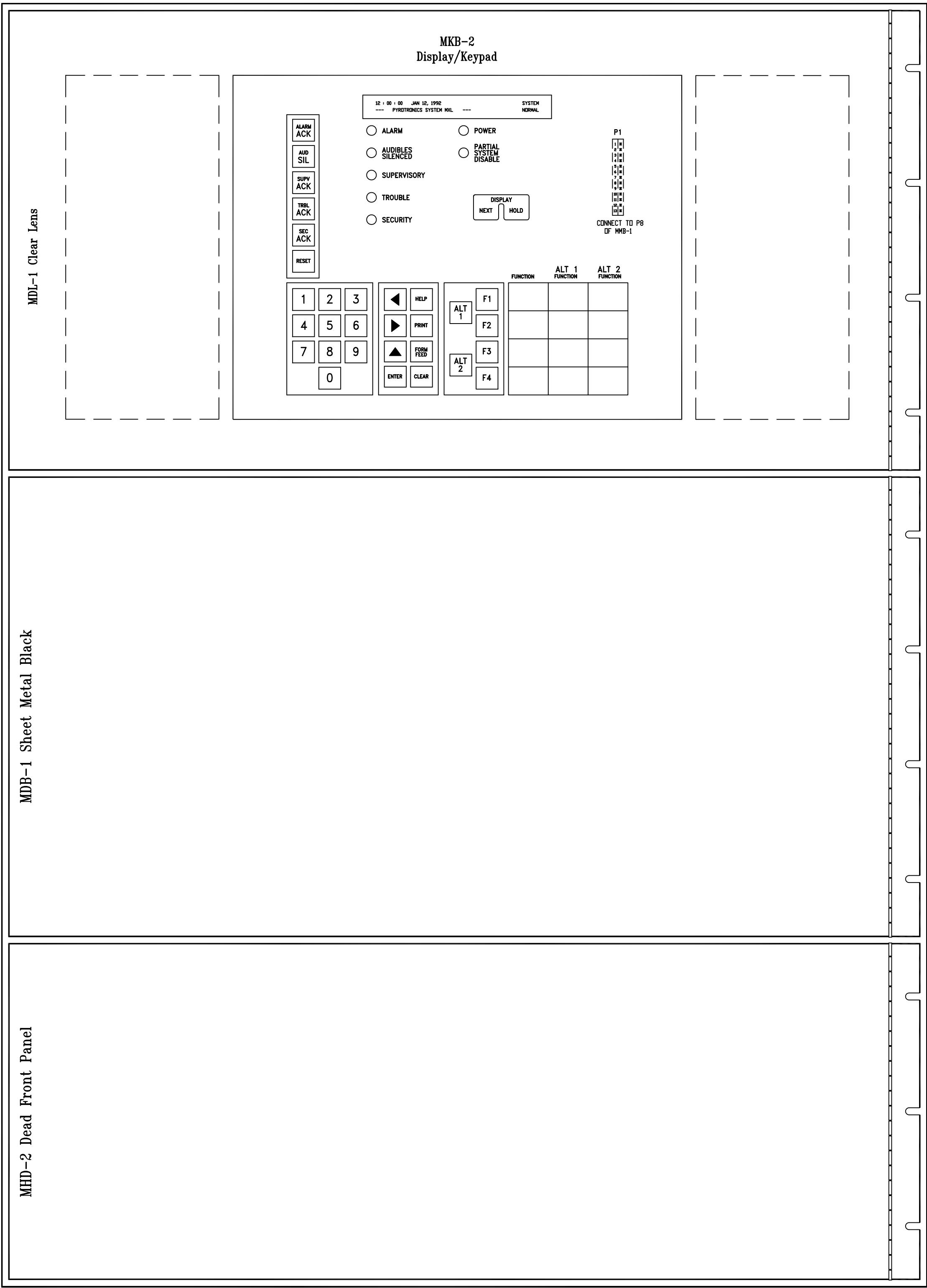


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REVISIONS

No.	Revision	By	Date	Appr.



MXLR BATTERY CALCULATION - BUILDING 1

SUPERVISORY CURRENT					
DESCRIPTION	QTY	MODULE CURRENT	DCI CURRENT	DEVICE CURRENT	TOTAL ROW CURRENT
PSR-1 REMOTE CONTROL PANEL	1	0.070			0.070
MKB-2 ANNUNCIATOR/KEYBOARD	1	0.005			0.005
ALD-2 ANALOG LOOP DRIVER	1	0.105			0.105
ALD LOOP	2			0.066	0.132
CSM-4 CONTROLLABLE SIGNAL MODULE	1	0.010			0.010
NOTIFICATION CIRCUITS	2		0.012		0.024
NET-7 NETWORK CARD	1	0.030			0.030
RCC-1 REMOTE COMMAND CENTER	1	0.075			0.075
					0.000
TOTAL CURRENT					0.451

ALARM CURRENT		TOTAL CKT CURRENT LOAD
MXLR NOTIFICATION CIRCUITS		
CIRCUIT A1		0.5
CIRCUIT A2		0
		0
		0
TOTAL ALARM CURRENT (AMPS)		0.5

SUMMARY

A = TOTAL SUPERVISORY CURRENT
x SUPERVISORY TIME REQUIRED
= 0.451 AMPS x 60 HR
= 27.06 (AMP/HR)

B = TOTAL ALARM CURRENT
x ALARM TIME REQUIRED
= 0.5 AMPS x 0.03 HR
= 0.042 (AMP/HR)

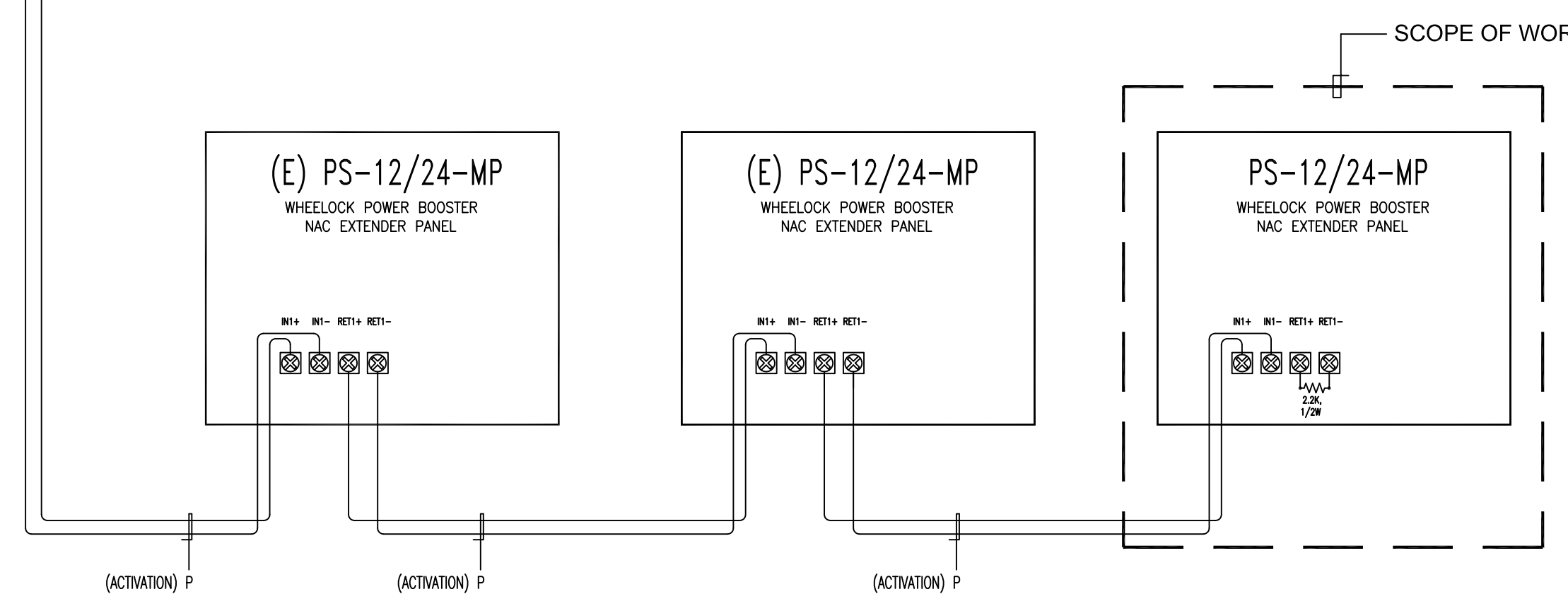
C = A + B
= 27.102 (AMP/HR)

SUPERVISORY TIME REQUIRED—60 HR
ALARM TIME REQUIRED—5 MINS. or 0.083 HR

BATTERY PROVIDED..... UB12330 (2)
BATTERY SIZE..... 33 (AMP/HR)

TOTAL SYSTEM REQUIRED (A+B)
= 27.102 AMP/HOUR

BATTERY RESERVE AFTER
60 HOURS SUPERVISORY
& 5 MINUTES ALARM (AMP/HOUR)
= 5.899 AMP/HOUR



EXISTING MXLR - REMOTE FIRE ALARM CONTROL PANEL
Building 1, Canada College

NOTE: HIGHLIGHTED ITEMS APPLY TO NEW SCOPE OF WORK and
FADED ITEMS ARE EXISTING SHOWN FOR REFERENCE ONLY.

KEY PLAN
C10 STAMP:

DESIGNED BY:
IDeAr INTEGRATED DESIGN ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3140 De La Cruz Boulevard, Suite 110
Santa Clara, California 95054
tel: (408) 562-3560, fax: (408) 562-3561

CONTRACTOR'S NAME & ADDRESS:
CUPERTINO ELECTRIC
1132 N. Seventh Street
San Jose, CA 95112
TEL (408) 808-8135
FAX (408) 279-4605
California State C10 License No. 174637

PRODUCT MANUFACTURER:
SIEMENS
Building Technologies, Inc.
Fire Safety Division
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. 758796
U.L. Certificate ID No. 324787-001

JOB NAME & LOCATION (STREET ADDRESS)
CANADA COLLEGE
4200 FARM HILL BLVD.
REDWOOD CITY, CA 94061

ATHLETIC FIELD PROJECT
MODULAR BUILDINGS

SHEET CONTENTS:
(E) FIRE ALARM PANEL BUILDING 1

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

SYSTEM SALES REP.: K. Rogers
PROJECT MANAGER: K. Kudrlik
DRAWN BY: L.B. Terrado
CAD FILENAME: 03-B1 MXLR.dwg
SCALE: Not Applicable
DATE DRAWN: September 30, 2005 ISSUE DATE: September 29, 2005
SHEET OF: 3 6 JOB NUMBER: 10-9084

P. DRAWING IS SMALLER THAN 30" x 42" IT IS A REDUCED COPY