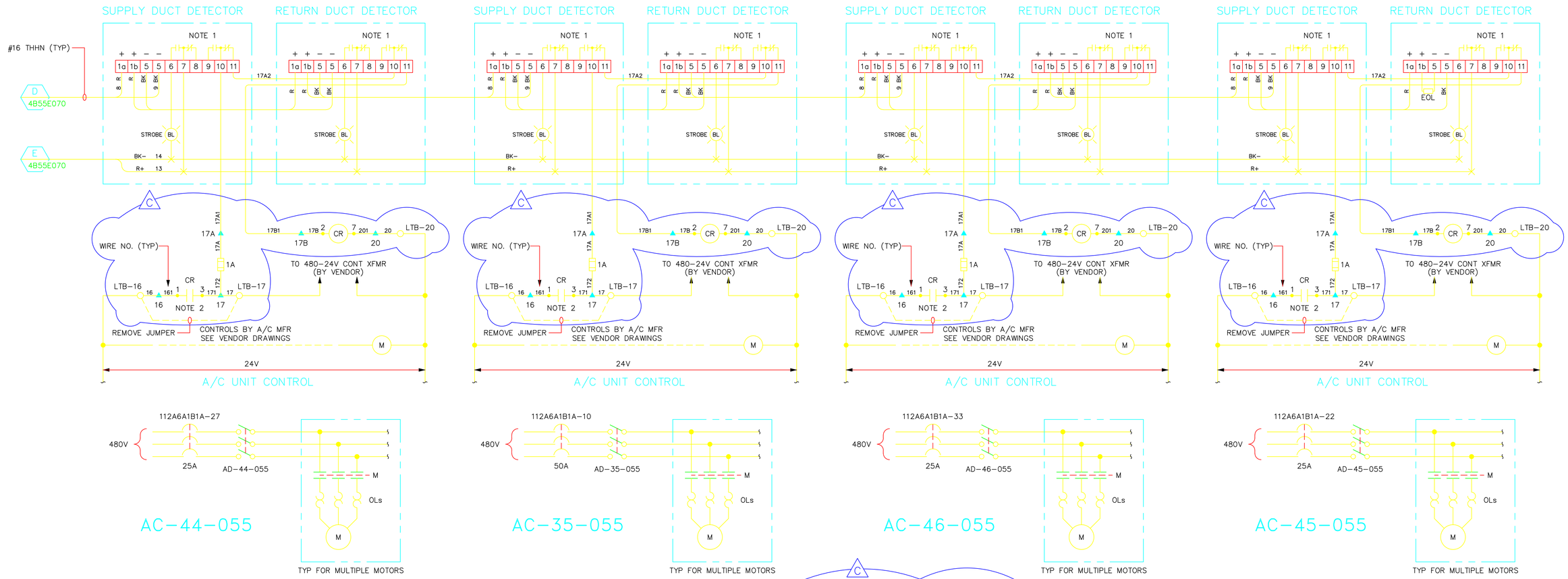
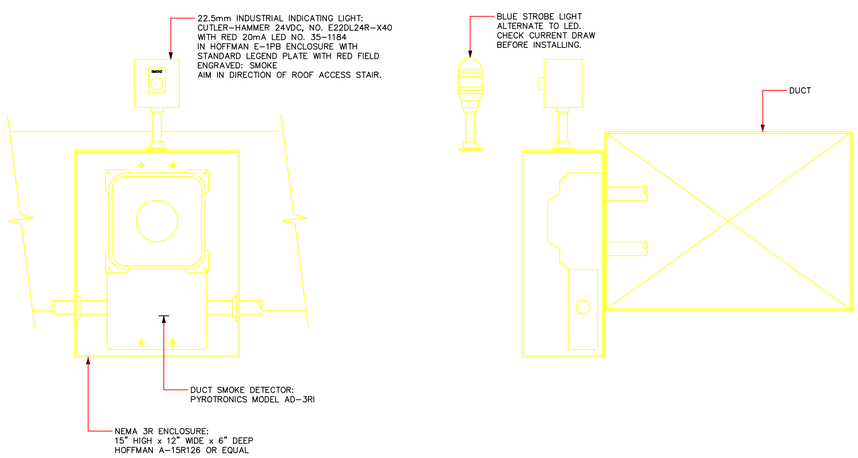


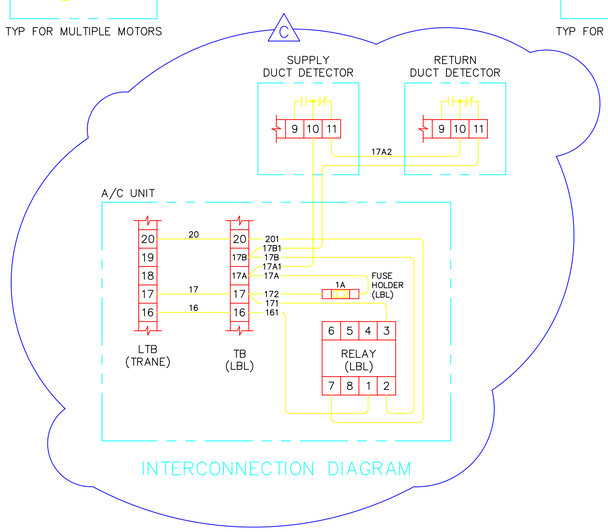


FRONT VIEW

SIDE VIEW

INSTALLATION DETAIL

NOT TO SCALE



INTERCONNECTION DIAGRAM

NOTES

1. RELAY CONTACTS IN DUCT DETECTORS SHOWN IN ENERGIZED POSITION.
2. RELAY CONTACT IN A/C CONTROL DIAGRAM SHOWN IN NORMALLY OPEN SHELF POSITION. CONTACT IS HELD CLOSED WHEN RELAY CR IS ENERGIZED.
3. ALL DUCT DETETORS ARE PYROTRONICA AD–3RI. ALL UNITS ARE ON ZONE 1C59.
4. FIELD TO PROVIDE AS BUILT MARK UP IN THE AREA AS SHOWN FOR UPDATING OF THIS DWG.

WORK NOTES

1. INSTALL 8–PIN RELAY SOCKET (GOULD H50–SL608, OR EQUAL), RELAY (POTTER & BRUMFIELD KRPA–11AG–24V, OR EQUAL) & FUSE HOLDER WITH 1 AMP FUSE IN A/C UNIT CONTROL PANEL.
2. INSTALL ADDITIONAL TERMINALS IF NECESSARY TO TERMINAL BOARD INSTALLED BY LBL TECHNICIANS.
3. REMOVE JUMPER BETWEEN TERMINALS 16 & 17 OF A/C UNIT LTB TERMINAL BOARD.
4. INSTALL WIRING AS SHOWN ON INTERCONNECTION DIAGRAM WITH #16AWG WIRE MIN.

SYMBOLS

- ○ TERMINAL BY TRANE
- ▲ TERMINAL BY LBL
- ● TERMINAL AT RELAY

REVISION NUMBER	DRAWN BY	CHECKED BY	APPR'D BY	DATE	REMARKS
C	FWD	MCG	MCG	12/3/97	ADDED NOTE 4 FOR AS BUILT
B	LSR	MCG	MCG	11/22/94	REVISED PER VENDOR SCHEMATIC
A	LSR	RB	BHS	9–94	ADDED INSTALLATION DETAIL

55 FIRE ALARM SYSTEM
A/C DUCT SMOKE DETECTORS
WIRING

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY LABORATORY
FACILITIES DEPARTMENT

DRAWN BY	L Rehbock	DATE 9–7–94
CHECKED BY	J Hutchings	9–8–94
APPROVED BY	R Baker	9–9–94
CAD FILE PATH	00003296	
SCALE	NONE	
DRAWING NO.	4B55E073C	SHEET
PROJECT NO.		