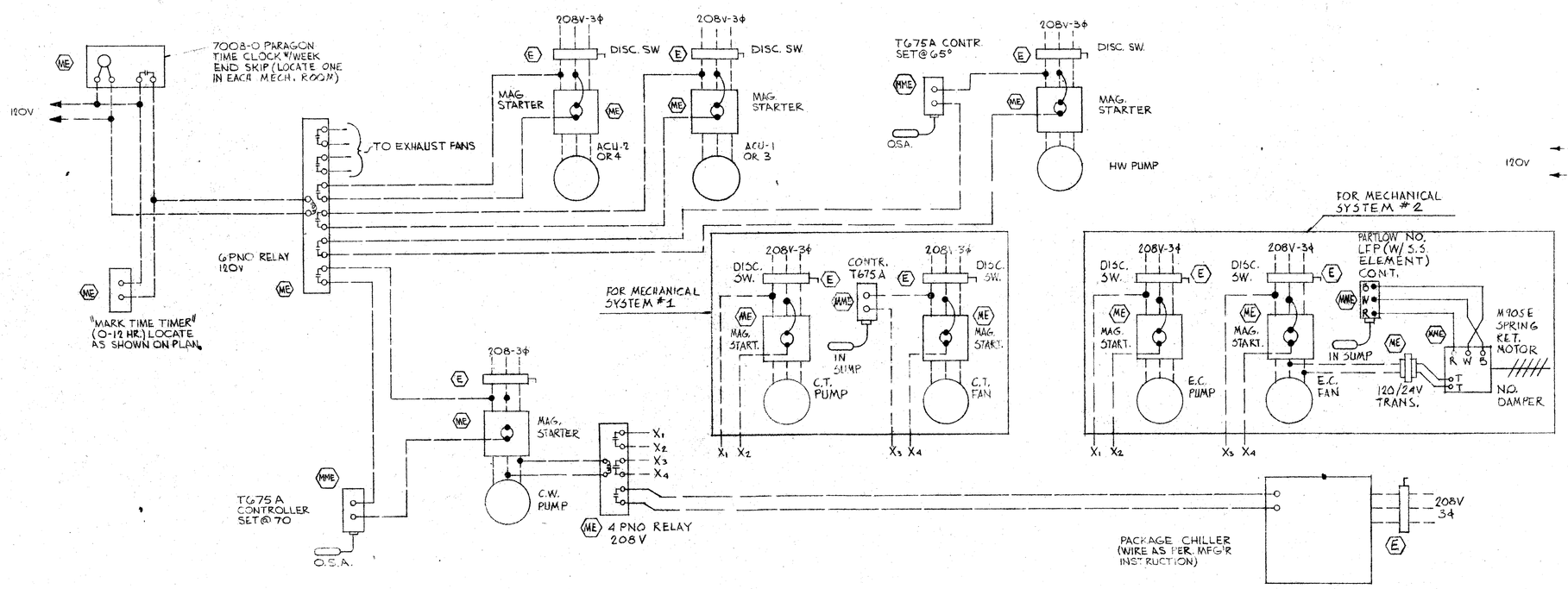
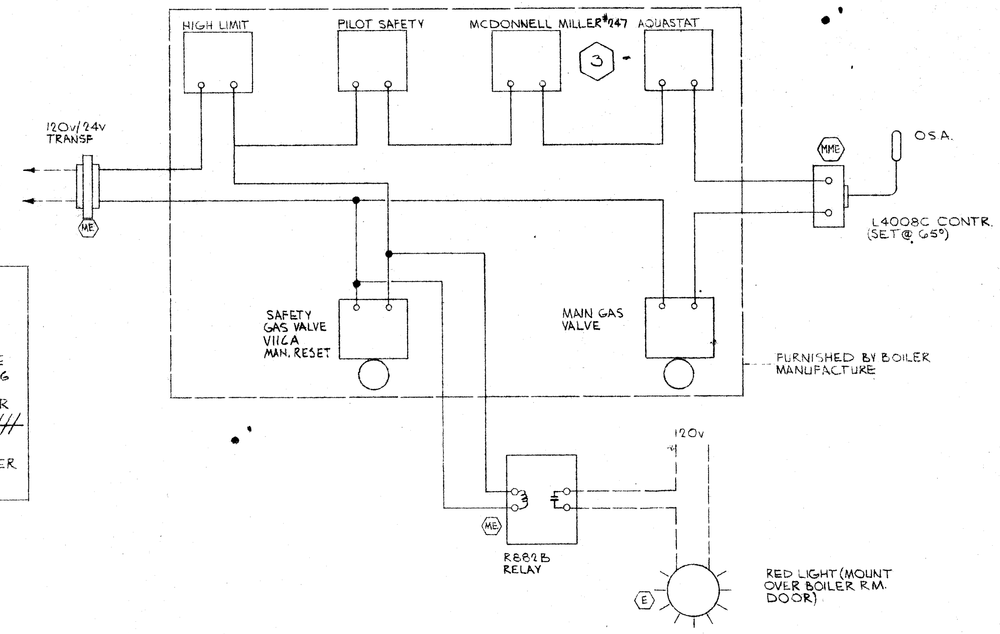
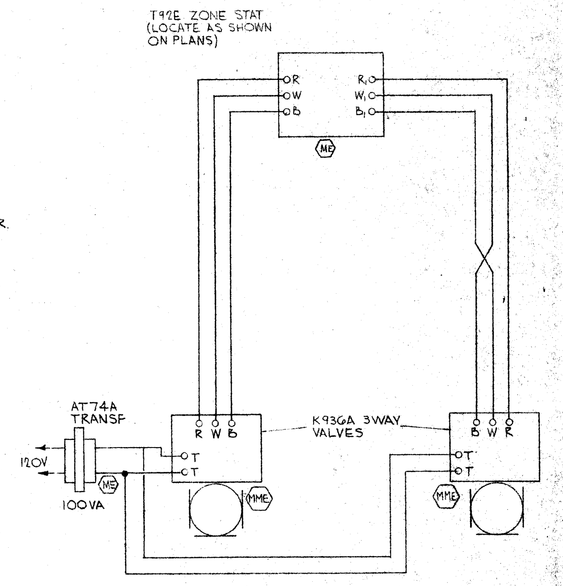


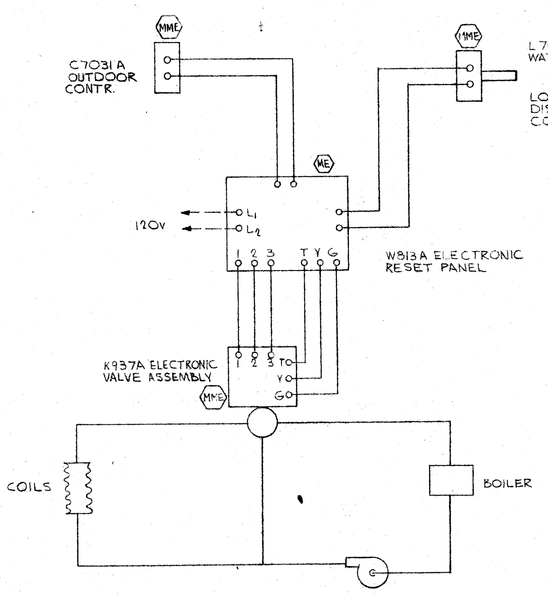
MECHANICAL WIRING DIAGRAM FOR SYSTEMS 1 & 2 (W/VARIATIONS AS SHOWN)



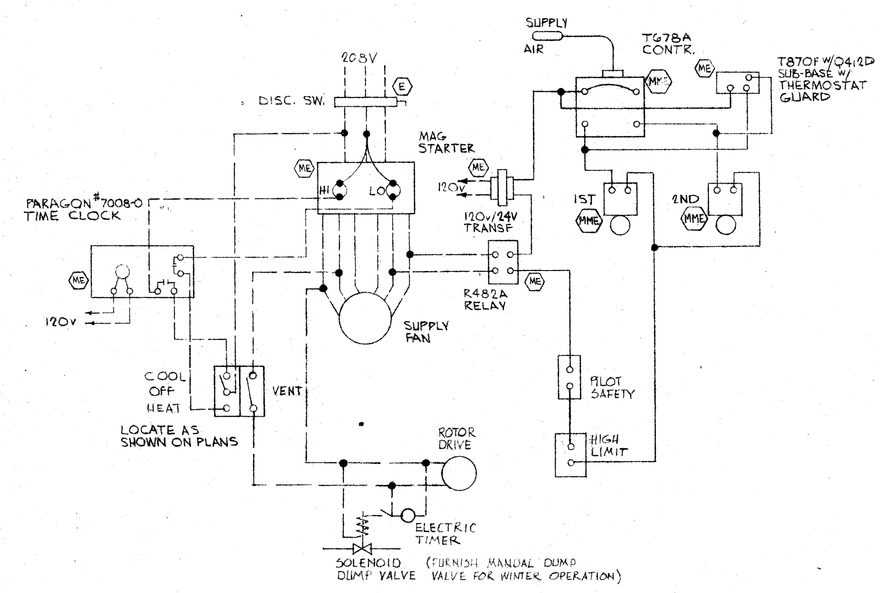
BOILER CONTROLS (TYPICAL FOR 2)



ZONE CONTROL (TYPICAL FOR 4)



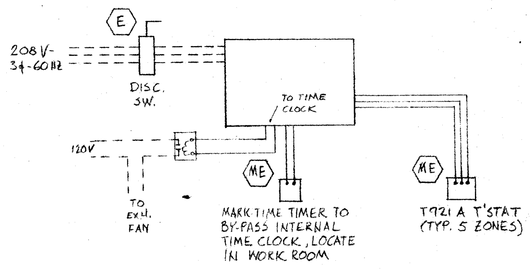
HOT WATER RESET (TYPICAL FOR 2)



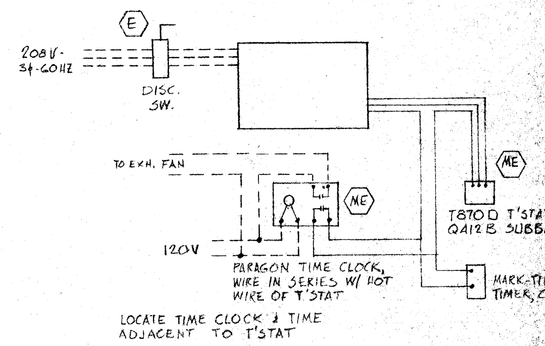
EVAP. COOLER-HEATER (TYPICAL)

LEGEND

- (MME) FURNISHED AND INSTALLED BY MECH. WIRED BY ELECTRICAL
- (ME) FURNISHED BY MECH. INSTALLED AND WIRED BY ELECTRICAL
- (E) FURNISHED, INSTALLED, AND WIRED BY ELECTRICAL



ROOF TOP MULTIZONE WIRING DIAGRAM



ROOF TOP PACKAGE UNIT WIRING DIAGRAM

PACKAGE AIR CONDITIONING UNIT SCHEDULE

AC 1 NESBITT ROOF TOP MULTIZONE
UNIT "A" EAST MOD. NO. RMA-100-NG3-C24-7-B-B0S-A3-50
UNIT "A" WEST " RMA-100-NG3-C24-7-B-E0S-A3-50
UNIT "B" EAST " RMA-100-NG3-C24-7-B-B0S-A3-50
UNIT "B" WEST " RMA-100-NG3-C24-7-B-E0S-A3-50
COOL CAP.: 252 MBH @ 105° DB OUTSIDE TEMP, 65° EWB & 81° EDB
BLOWER: 15.7 FLA, COMP.: 103 FLA, 208V-3ϕ-60HZ
FURNACE: 300,000/100,000 BTUH 2-STAGE INPUT
225,000/75,000 BTUH 2-STAGE OUTPUT
NOTE: SEE PLAN FOR CFM OF EACH UNIT; 8-20"x25" FILTERS FURNISHED W/ UNIT, SEE SPECIFICATIONS FOR TYPE

AC 2 DAY & NIGHT MOD. NO. 96/210 YAC
COOL CAP.: 79,200 BTUH TOTAL & 75,500 BTUH SENS AT 105° DB OUTSIDE & 62° EWB
BLOWER: 3000 CFM AT ½" EXT. S.P., 1½ HP MAX
CURRENT: 11.18 KW INPUT, 208V-3ϕ-60HZ
HEATING: 210,000/125,000 BTUH INPUT 2-STAGE
157,500/100,000 BTUH OUTPUT 2-STAGE
FILTERS: 2-20"x25"

AC 3 DAY & NIGHT MOD. NO. 60/140 YAC
COOL CAP.: 52,700 BTUH TOTAL & 52,700 BTUH SENS AT 105° DB OUTSIDE & 62° EWB
BLOWER: 2200 CFM AT ½" EXT. S.P., ¾ HP MAX
CURRENT: 9.14 KW INPUT, 208V-3ϕ-60HZ
HEATING: 140,000 BTUH INPUT, 105,000 BTUH OUTPUT
FILTERS: 2-20"x20"

NOTE:
1. FURNISH BUCK & BOOST TRANSFORMER FOR ALL UNITS WHERE MOTORS ARE NOT ESPECIALLY WOUND FOR 208V
2. FILTERS SHOWN FOR DAY & NIGHT UNITS ARE NOT FURNISHED W/ UNIT, NO. & SIZE PROVIDE FOR MAX. FACE VEL. OF 514 FPM, SEE SPECS. FOR TYPE.

AC 4 DAY & NIGHT MOD. NO. 96/120 YAC
COOL CAP.: 78,000 BTUH TOTAL & 67,100 BTUH SENS AT 105° DB OUTSIDE & 62° EWB
BLOWER: 2700 CFM AT ½" EXT. S.P., 1½ HP MAX
CURRENT: 11.04 KW, 208V-3ϕ-60HZ
HEATING: 210,000/125,000 BTUH INPUT 2-STAGE
157,500/100,000 BTUH OUTPUT 2-STAGE
FILTERS: 2-20"x25"

AC 5 DAY & NIGHT MOD. NO. 60/140 YAC
COOL CAP.: 52,100 BTUH TOTAL & 49,500 BTUH SENS AT 105° DB OUTSIDE & 62° EWB
BLOWER: 2000 CFM AT ½" EXT. S.P., ¾ HP MAX
CURRENT: 9.07 KW INPUT, 208V-3ϕ-60HZ
HEATING: 140,000 BTUH INPUT, 105,000 BTUH OUTPUT
FILTERS: 2-20"x20"

AC 6 LENNOX MOD. NO. GC33-1853-500
COOL CAP.: 170,800 BTUH TOTAL, 0.90 SENS TO TOTAL RATIO AT 105° DB OUTSIDE & 63° EWB
BLOWER: 6000 CFM AT ½" EXT. S.P., 2.1 H.P.
CURRENT: 88.3 AMPS MAX, 208V-3ϕ-60HZ
HEATING: 500,000/375,000 BTUH INPUT 2-STAGE
375,000/280,100 BTUH OUTPUT 2-STAGE
NOTE: UNIT TO HAVE TWIN COMPRESSORS FOR 2-STAGE OPERATION. 4-20"x20"x1" FILTERS FURNISHED W/UNIT, SEE SPECS. FOR TYPE.

AC 7 DAY & NIGHT MOD. NO. 120/270 YAC
COOL CAP.: 107,000 BTUH TOTAL & 101,500 BTUH SENS AT 105° DB OUTSIDE & 62° EWB
BLOWER: 4000 CFM AT ½" EXT. S.P., 2 H.P. MAX.
CURRENT: 15.1 KW INPUT, 208V-3ϕ-60HZ
HEATING: 270,000/150,000 BTUH INPUT 2-STAGE
202,000/112,000 BTUH OUTPUT 2-STAGE
FILTERS: 3-20"x25"

AC 8 DAY & NIGHT MOD. NO. 120/270 YAC
COOL CAP.: 107,750 BTUH TOTAL & 103,030 BTUH SENS AT 105° DB OUTSIDE & 62° EWB
BLOWER: 4000 CFM AT ½" EXT. S.P., 2 H.P. MAX.
CURRENT: 15.2 KW INPUT, 208V-3ϕ-60HZ
HEATING: 270,000/150,000 BTUH INPUT 2-STAGE
202,000/112,000 BTUH OUTPUT 2-STAGE
FILTERS: FREE GUIDE/PACK W/FF-2A MEDIA NO. 2-242412-1½

AC 9 DAY & NIGHT MOD. NO. 96/210 YAC
COOL CAP.: 81,400 BTUH TOTAL & 81,400 BTUH SENS AT 105° DB OUTSIDE & 62° EWB
BLOWER: 3300 CFM AT ½" EXT. S.P., 1½ H.P. MAX.
CURRENT: 11.25 KW INPUT, 208V-3ϕ-60HZ
HEATING: 210,000/125,000 BTUH INPUT 2-STAGE
157,500/100,000 BTUH OUTPUT 2-STAGE
FILTERS: 2-20"x25"

AC 10 DAY & NIGHT MOD. NO. 48/110 YAC
COOL CAP.: 41,300 BTUH TOTAL & 39,240 BTUH SENS AT 105° DB OUT SIDE & 62° EWB
BLOWER: 1700 CFM AT 0.4" EXT. S.P., ½ H.P. MAX.
CURRENT: 7.08 KW INPUT, 208V-3ϕ-60HZ
HEATING: 110,000 BTUH INPUT, 82,500 BTUH OUTPUT
FILTERS: 2-16"x20"

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES, OFFICE OF ARCHITECTURE AND CONSTRUCTION
80609 APPROVED JUL 5 - 1968

CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT. DRAWN M.A.T. CHK'D DATE APR

REVISIONS		
SYMB.	BY	DATE
	AS BUILT	
2	ADDENDUM	
	CHANGE ORDER	
	CLARIFICATION	

STATE OF CALIFORNIA
STATE FIRE MARSHAL
APPROVED UNDER STATUES OF CALIFORNIA
BY: JUL 5 1968

APPROVED BY BOARD OF EDUCATION BAKERSFIELD CITY SCHOOL DISTRICT JUL 2 1968
BY SUPERINTENDENT OF SCHOOLS DISTRICT ENGINEER

APPROVED — DATE

ERNEST L. McCOY A.I.A. ARCHITECT C-335
2811 H. STREET PHONE 324-9651
BAKERSFIELD CALIFORNIA 93303

BERNICE HARRELL CHIPMAN JUNIOR HIGH SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, CALIFORNIA

JOB No. 67-B
SHEET M-7
OF 7 SHEETS

WIRING DIAGRAMS

5/66 DIETERICH-POST CLEARPRINT 1000H