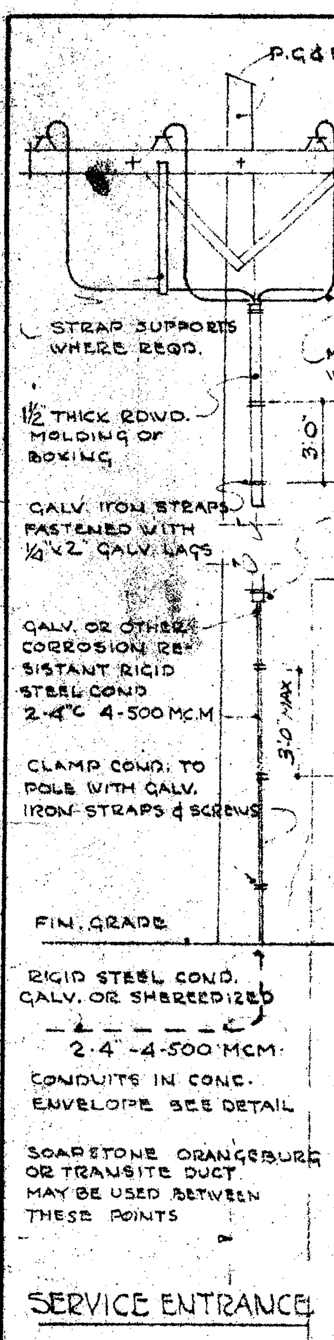
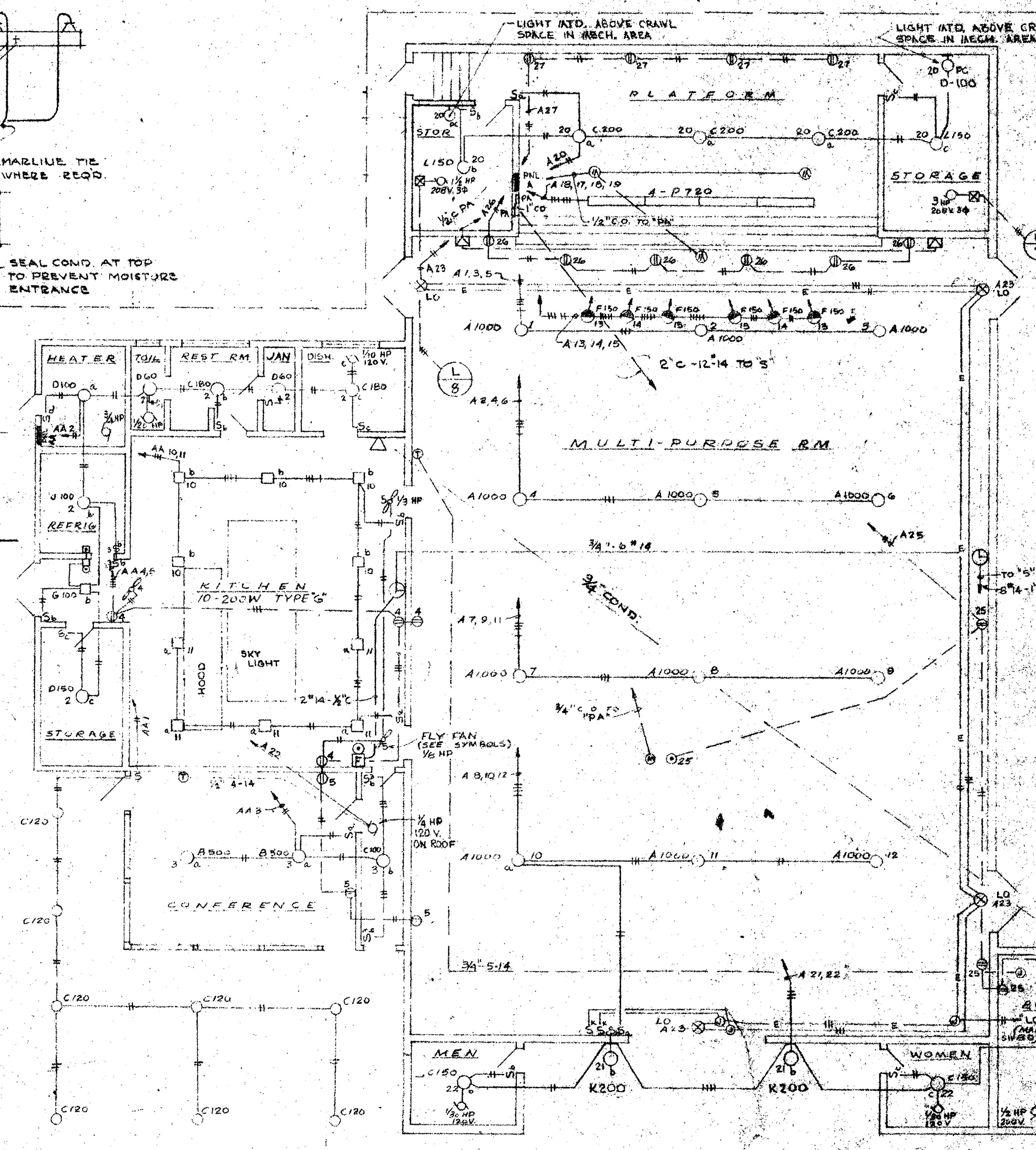
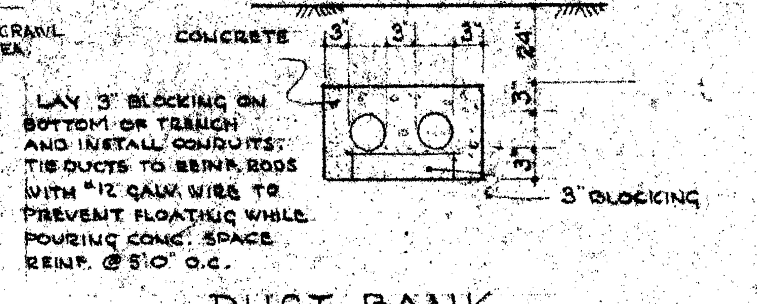




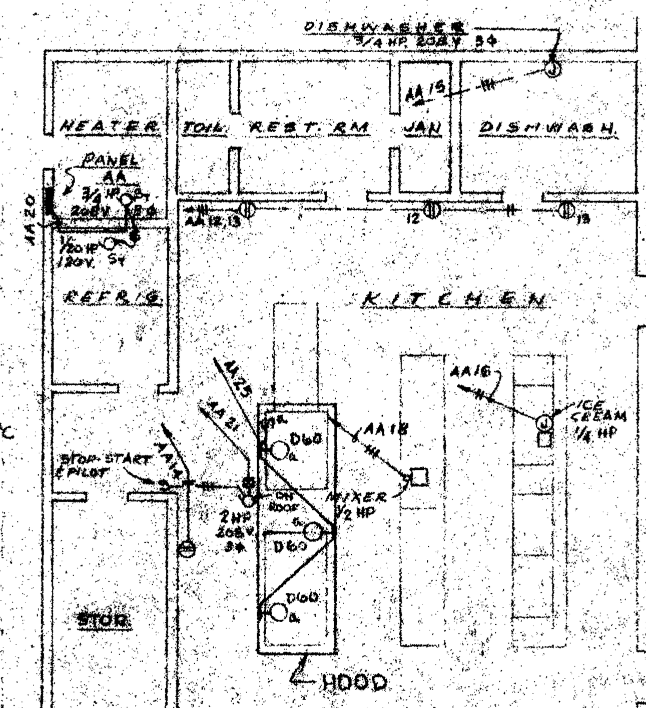
LIGHTING AND POWER LAYOUT

MULTI-PURPOSE BUILDING
SCALE 1/8"=1'-0"

NOTE: EXIT LIGHTS CIRCUIT TO CONFORM TO SECTION 3312 U.B.C. 3312 (C) - 2 (1) OCCUPANCY 500 PERSONS

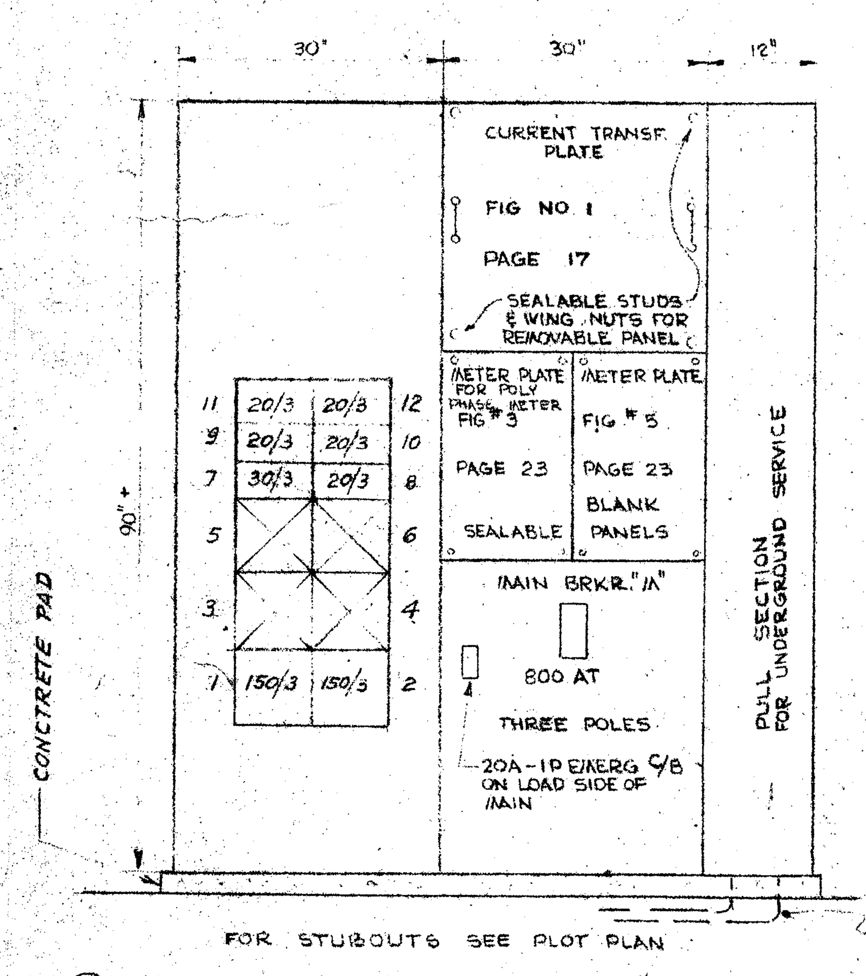


DUCT BANK



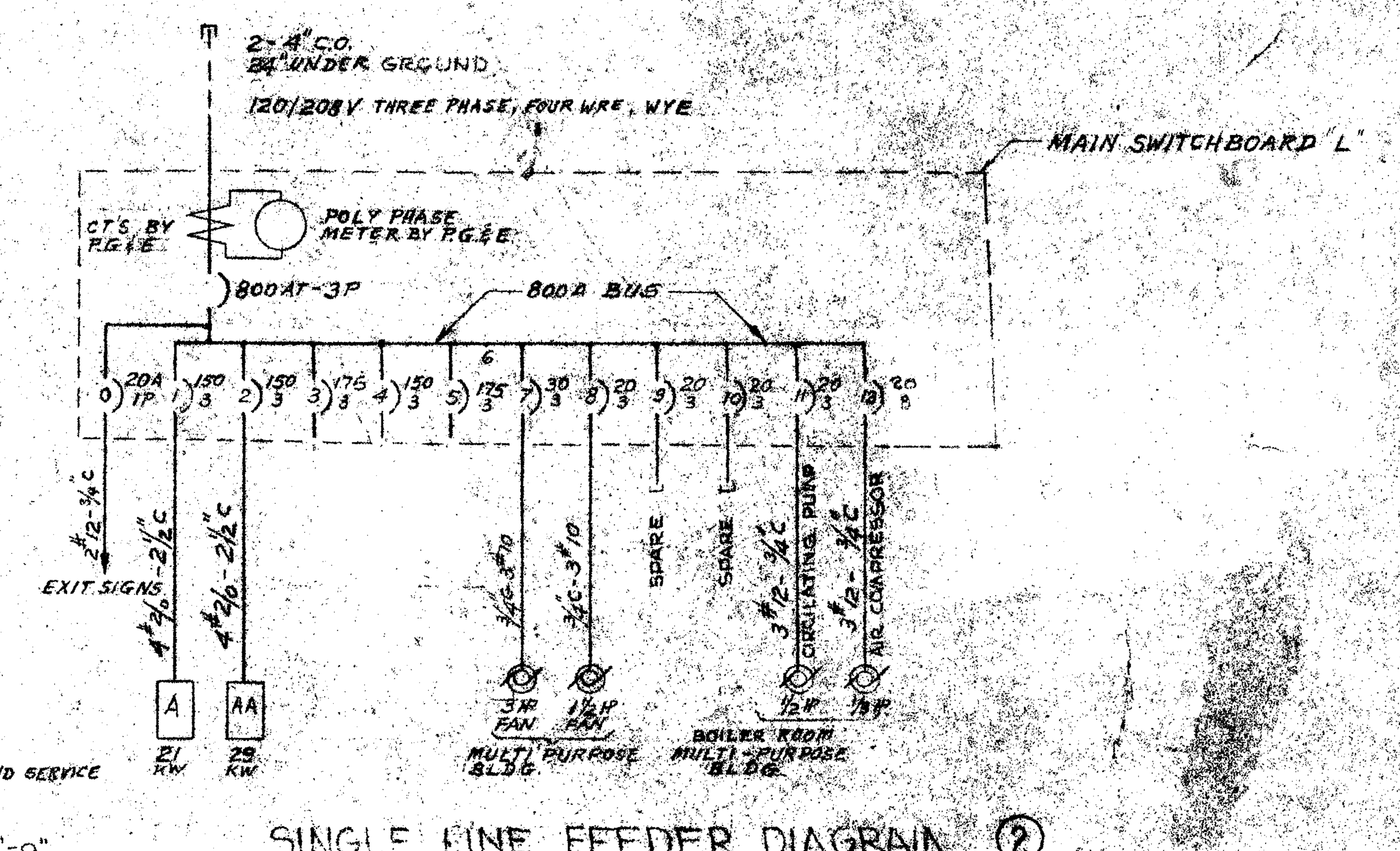
KITCHEN POWER PLAN

SCALE 1/8"=1'-0



(F) MAIN SWITCHBOARD FOR 120/208V, 3Φ 4W. SCALE 3/4"=1'-0"

FINISH GRAY HAMMERTONE; ENGRAVED NAMEPLATES FOR ALL BREAKERS - SEE SCHEDULE



SINGLE LINE FEEDER DIAGRAM (2)

NO SCALE

PANEL A

120/208V 3Φ 4W SN-TYPE NLAB-4AB 150AT-3P

POLES	AMPS	CIRCUITS	LINE 1 LOAD	CIRCUITS	LINE 2 LOAD	LIGHTS	PLUGS	OTHER	LOCATION
1	20	1	1000			1			MULTI-PURPOSE LTG.
				2	1000	1			
		3	1000			1			
				4	1000	1			
		5	1000			1			
				6	1000	1			
		7	1000			1			
				8	1000	1			
		9	1000			1			
				10	1000	1			
		11	1000			1			
				12	1000	1			
		13	300			2			PROSC. SPOTS
				14	300	2			
		15	300			2			
				16	720	1			FOOT LIGHTS
		17	720			1			
				18	720	1			
		19	720			1			
				20	900	5			PLATFORM STORAGE
		21	400			2			ENTRY
				22	650	4			TOILETS BOILER
		23	200			4			EXITS
				24	500				SPARE
		25	900				5		MULTI-PURPOSE CONV. OUT.
				26	900		6		PLATFORM
		27	600				4		
				28	500			1	HEATER ROOM
		29							SPARE
				30					
		31							
				32					
			9860		11,010				

CONNECTED LOAD = 20,870 WATTS APPROX 75 AMPS

PANEL "AA"

120/208V 3Φ 4W SN-TYPE NLAB-AB-4AB 150AT-3P

POLE	AMPS	CIRCUIT	Φ A	Φ B	Φ C	EQUIPMENT LOAD
1	20	1	960			LIGHTING
		2		950		JANITOR, REFRIG.
		3			1100	CONFERENCE
		4	600			CONVEN. OUT.
		5		500		
		6			500	
		7	500			
		8		500		
		9			500	
		10	1000			CLG. LTG. KITCHEN
		11		1000		
		12			600	CONVEN. OUT.
		13	600			
1		14		600		
3		15	220	220	220	DISHWASHER 3/4 HP
1		16	500			ICE CREAM 1/4 HP
3		17				SPARE
3		18	300	300	300	MIXER 1/2 HP
3		19				SPARE
3		20	400	400	400	COMPRESSOR & FAN HEATER RM. 3/4 HP
3		21	700	700	700	ROOF FAN 2 HP
1		22		580		ROOF FAN 1/4 HP (120V)
3		23				SPARE
3		24				SPARE
1		25			160	HOOD LIGHTING KITCHEN
1		26				SPARE
			10,160	9870	8800	

CONNECTED LOAD = 28,830 WATTS APPROX 80 AMPS

ENGRAVED NAMEPLATE SCHEDULE

	EXIT LIGHTS
1.	PANEL "A" MULTI PURPOSE ROOM PLATFORM
2.	PANEL "AA" HEATER ROOM
3.	FEEDER FOR WING IV, V, VI
4.	BLANK
5.	FEEDER FOR WING I, II
6.	BLANK
7.	FAN 3HP MULTI-PURPOSE ROOM
8.	FAN 1 1/2 HP.
9.	BLANK
10	
11	CIRCULATING PUMP
12	AIR COMPRESSOR
13	BLANK
14	BLANK
15	FEEDER FOR WING III
16	BLANK
17	
18	

1. PROVIDE TWO EMPTY 3/4" CONDUIT STUBS FROM FLUSH PANELS TO ACCESSABLE 4" SQ BOXES IN ATTIC SPACE
2. CHECK ALL MOTOR LOCATIONS WITH MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE CONDUITS & PULL THE WIRES TO ALL EQUIPMENT & CONNECT AFTER ALL MOTOR & EQUIPMENT ARE INSTALLED BY OTHERS.
3. ALL WIRING SHALL BE CONNECTED TO PANEL CIRCUIT NUMBERS AS INDICATED WITH #12 TW WIRE UNLESS OTHERWISE INDICATED, SEE PANEL SCHEDULES.
4. ALL RUNS ENTERING RECESS LIGHTING FIXTURES OR IN HOT AREAS SHALL BE WIRED WITH TYPE AIA WIRE.
5. CONDUIT RUNS TO SERVE AS EQUIP. GROUND. CONNECT CONDUITS TO CITY WATER PIPE W/ #4 BC WIRE & SOLDERLESS GND. CLAMPS.
6. NOTE: SEE MECHANICAL SHEET FOR PLOT PLAN RELATIVE TO ELECTRICAL. (M-1)

FIXTURE SCHEDULE

A1000	INVERTED PAN DOMELIGHT - 1000 WATTS SILVERBOWL LAMP; CENTURY CO. Nº C 5301I SUSPENDED ON SWIVEL CANOPY.
B500	CONCENTRIC RING SUSPENDED, 500 WATT SILVERBOWL LAMP, SMOOT-HOLMAN RE 503 S - EQ
C150	TEMPREX "BUSTER" TEMPERED GLASS, 3-60 WATT LAMPS, WAGNER-WOODRUFF CO. NO. A-154
C200	SIMILAR TO C150 EXCEPT 4-50 W LAMPS Nº A-156
D150	PORCELAIN SOCKET - ALABAX CO. Nº 3141 OR EQUAL. WATTAGE AS INDICATED.
E50	EXIT SIGN, 2-25 WATT LAMPS - 5" HIGH GREEN GLASS LETTERS, WAGNER-WOODRUFF CO. Nº 29949
F150	"EYEBALL" 150 WATT R40 COLORED SPOT LAMPS, CENTURY CO. Nº 362 OR HUB
G200	FLUSH SQUARE DROP LENS, 200 WATTS, WAGNER-WOODRUFF CO. 30553
J150	ROUND END ENCLOSING GLOBE, 150 WATTS, WAGNER-WOODRUFF CO. 22285/300
K200	OUTDOOR WALL BRACKET 10 3/8" x 11 1/2" MOUNT ON 4" RECESSED BOX ASYMMETRIC LTG. 200 WATTS HOLOPHANE #420 MTG. AS DIRECTED BY ARCHITECT.
L200	RLM STANDARD DOME REFLECTOR SMOOT-HOLMAN CO. Nº 816 V COMPLETE.
P720	FOOTLIGHTS, 5FT. SECTIONS 12-60 WATT LAMPS PER SECTION, 3 COLORS, GLASS ROUNDELS AND REFLECTORS, CENTURY CO. Nº 816 COMPLETE OR HUB.

SYMBOLS

B500 / 12 a	CEILING FIXTURE OUTLET - FIXTURE TYPE B, 500 WATTS, CIRCUIT Nº 12 SWITCH CONTROL A.
	FLUSH SQUARE FIXTURE WITH JUNCTION BOX & FLEX CONNECTION.
	WALL BRACKET
	CONVENIENCE PLUG OUTLET, 120 V UP 18" GROUNDED HUBBELL Nº 5262
	WALL CLOCK
	MOTOR, RATING AS SHOWN
	JUNCTION BOX
	TELEPHONE OUTLET, FLUSH FLOOR, GE CO Nº SP 6300
	TELEPHONE OUTLET ON WALL UP 18" UNLESS NOTED, 4"S BOX WITH PLASTER RING & COVER
	FLOOR OUTLET FLUSH, 120 V. GE CO Nº SP 8200 WITH GROUNDED RECEPTACLE
	FIRE ALARM BREAK-GLASS STATION UP 4'-6"
	FIRE ALARM BREAK-GLASS STATION WITH BELL DIRECTLY ABOVE AT 8'-0" OR AS DIRECTED
	LOUD SPEAKER OUTLET 4"S BOX WITH PLASTER RING & COVER, 1" GROMMETED HOLE
	PUSHBUTTON 120 V. ENCLOSED, FLUSH.
	MICROPHONE OUTLET, FLUSH FLOOR, GE CO. SP 8300 WITH CANNON CO. TYPE XL CONNECTOR, 3 POLE, SHIELDED
	SPECIAL CEILING SPOT LIGHT.
	EXIT SIGN, 5" GREEN LETTERS 2-25 WATT LAMPS, WAGNER-WOODRUFF CO. Nº 29949, 2 CIRCUITS.
WP	WEATHER PROOF (RAIN TIGHT)
CO	CONDUIT ONLY
	CONDUIT STUB-UP TERMINATED WITH COUPLING AND BUSHING OR FLEX INTO JUNCTION BOX ON EQPT
	SIGNAL TERMINAL CABINET FOR CLOCK & F.A. SYSTEM 12"x18"x4" W/ 3/4" PLWD BACKING
	PANELBOARD FLUSH
S_2	WALL SWITCH WITH CONTROL SUBSCRIPT, 2 (UP 4'-0")
S^K	KEY OPERATED WALL SWITCH
S^P	SWITCH AND PILOT LIGHT
S^3	"THREE-WAY" SWITCH
S_T	MOTOR MANUAL STARTER SWITCH WITH THERMAL CUT-OUT, TRUMBULL TYPE "TT" OR EQUAL
⊠	DISCONNECT SWITCH, FUSIBLE
	CONDUIT RUN UNDER FLOOR OR FINISH GRADE.
	CONDUIT RUN CONCEALED IN WALL OR CEILING
A2	HOME RUN TO PANEL A, CIRCUIT Nº 2

CROSSMARKS SHOW NUMBER OF WIRES, MINIMUM SIZE AWG Nº 12 FOR POWER AND LIGHTING CIRCUITS; UNLESS SHOWN LARGER ON HOMERUN WIRE SIZE SHALL BE CONTINUOUS THROUGHOUT CIRCUIT. CONDUIT SIZES SHALL BE AS FOLLOWS:
AWG Nº 12 — 1/2" — 3/4" — 1" — 1 1/4"
AWG Nº 10 — 3/4" — 1"

	FLY FAN - ROBBINS & MEYERS INC CAT #365, COMPLETE WITH HOOK & SWITCH, CEILING MOUNTED AT 8'-0"
(T)	THERMOSTAT OUTLET - LOCATE AS DIRECTED. 4"S BOX WITH PLASTER RING.
	PUBLIC ADDRESS 8"x12"x4" WITH DOOR & 3/4" PLYWOOD BACKING, FLUSH.
N.C.	NOT IN THIS CONTRACT
	BELL OR YARD GONG

FOR TYPE INDICATION SEE SPECIFICATIONS.

APPROVED BY BOARD OF EDUCATION BAKERSFIELD CITY SCHOOL DISTRICT
DATE 9/28 1959
BY [signature]
SUPERINTENDENT OF SCHOOLS AND EXECUTIVE OFFICER

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE
APPLICATION NO. 19177 APPROVED SEP 15 1959
PER [signature]

·ELECTRICAL LAYOUT·
·MULTI-PURPOSE ROOM·
·MT. VERNON SCHOOL·
·BAKERSFIELD CITY SCHOOL DISTRICT·

C. barton alford
ARCHITECT
1516 CALIFORNIA AVENUE BAKERSFIELD, CALIFORNIA
A.I.A.

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