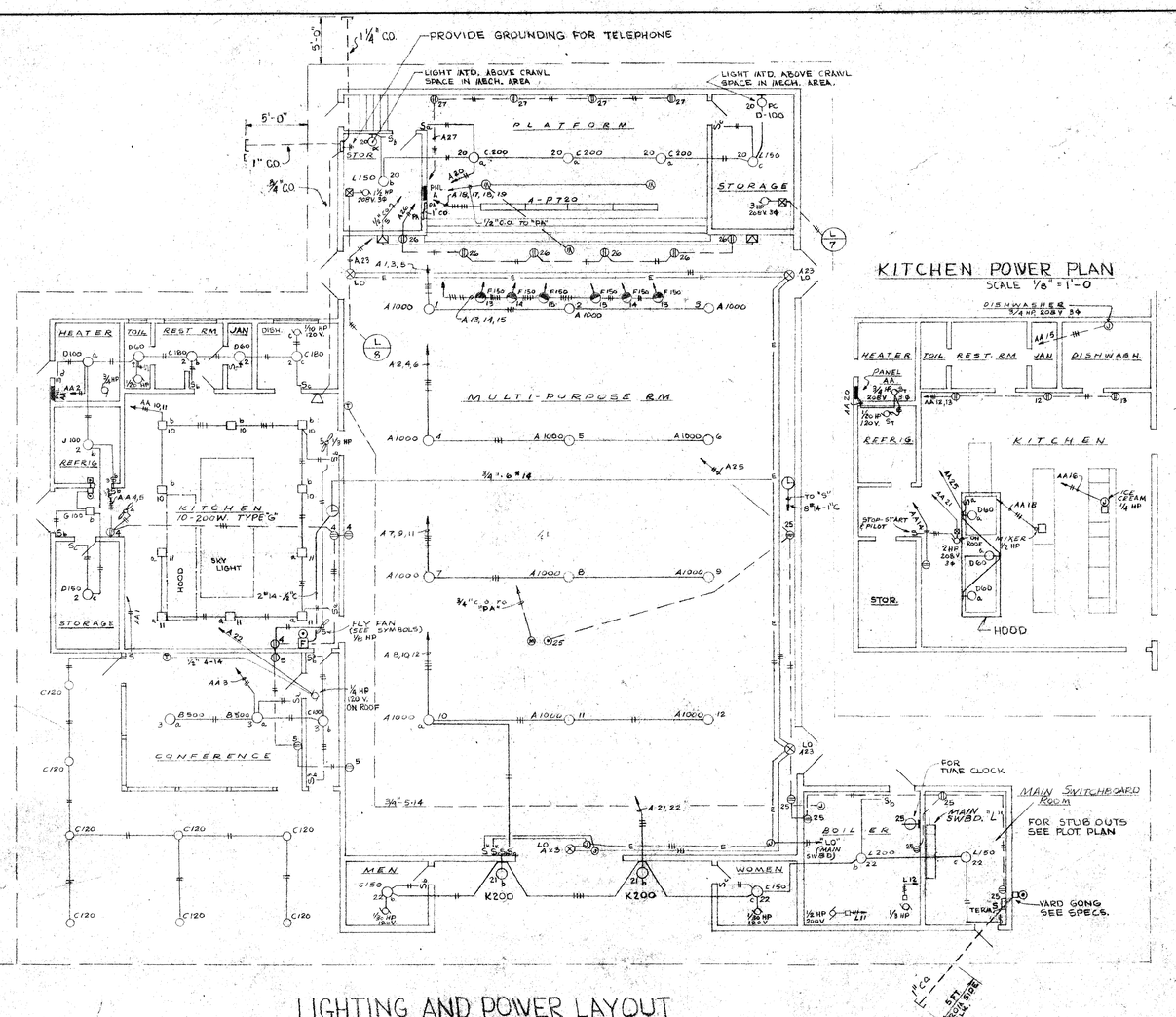


LIGHTING AND POWER LAYOUT

MULTI-PURPOSE BUILDING
SCALE ⅛"-1'-0"

PANEL A

120/208 V 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"

120/208 V 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			
		14		600		
3	15	220	220	220		DISHWASHER ¾ HP
1	16	500				ICE CREAM ¼ HP
3	17					SPARE
3	18	300	300	300		MIXER ½ HP
3	19					SPARE
3	20	400	400	400		COMPRESSOR & FAN HEATER R/A. ¾ HP
3	21	700	700	700		ROOF FAN 2 HP
1	22		580			ROOF FAN ¼ HP (120V)
3	23					SPARE
3	24					SPARE
1	25			180		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 3 HP MULTI-PURPOSE ROOM
8. FAN 1½ 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 ¾" 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.

FIXTURE SCHEDULE

A1000	INVERTED PAN DOMELIGHT - 1000 WATTS SILVERBOWL LAMP; CENTURY CO. Nº C 53011 SUSPENDED ON SWIVEL CANOPY.
B500	CONCENTRIC RING SUSPENDED, 500 WATT SILVERBOWL LAMP, SMOOT HOLIMAN RE 5035-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-155
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 5/8" x 11½" MOUNT ON 4" RECESSED BOX ASYMMETRIC LTG. 200 WATTS. HOLOPHANE #420 MTG. AS DIRECTED BY ARCHITECT.
L200	RLM STANDARD DOME REFLECTOR SMOOT-HOLIMAN CO. Nº 516 V. COMPLETE.
P720	FOOTLIGHTS: 5 FT. SECTIONS 12-60 WATT LAMPS PER SECTION, 3 COLORS, GLASS ROUNDELS AND REFLECTORS, CENTURY CO. Nº 816 COMPLETE. OR HUB.

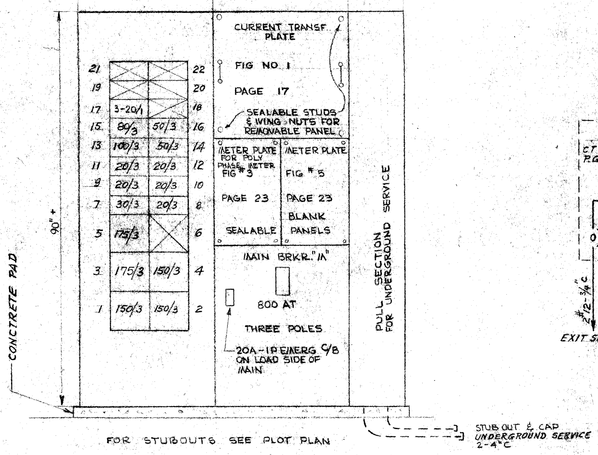
SYMBOLS

- B500 / 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 SP8300
- 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
- F — FIRE ALARM BREAK-GLASS STATION UP 4'-6"
- FE — 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" GROMMITED 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
- S2 — SIGNAL TERMINAL CABINET FOR CLOCK & F.A. SYSTEM 12"x18"x4" W/ ¾" PLYD BACKING
- PANELBOARD FLUSH
- S_a — WALL SWITH WITH CONTROL SUBSCRIPT, a (UP 4'-0")
- S^K — KEY OPERATED WALL SWITCH
- S^D — 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

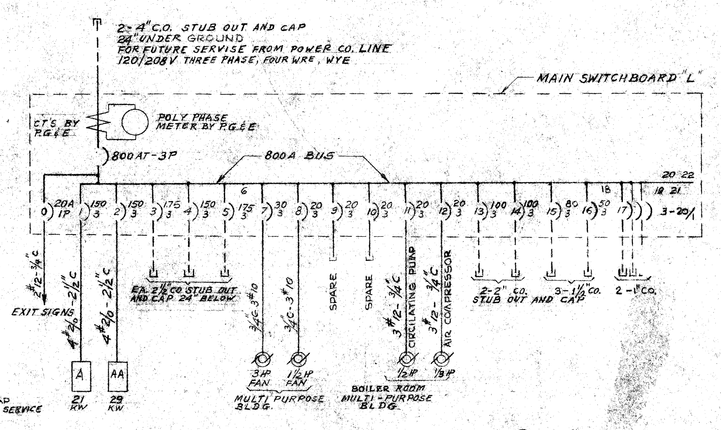
CROSSMARKS SHOW NUMBER OF WIRES, MINIMUM SIZE AWG Nº 12 FOR POWER AND LIGHTING CIRCUITS, UNLESS SHOWN LARGER ON HOMERUN. WIRE SIZE SHALL BE CONTINUOUS THROUGHOUT CIRCUIT
CONDUIT SIZES SHALL BE AS FOLLOWS:
AWG Nº 12 — ½" — ¾" — 1"
AWG Nº 10 — ¾" — 1" — 1¼"

- FLY FAN - ROBBINS & MEYERS INC. CAT # 363, 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 & ¾" PLYWOOD BACKING, FLUSH.
- N.I.C. — NOT IN THIS CONTRACT
- BELL OR YARD GONG — FOR TYPE INDICATION SEE SPECIFICATIONS.

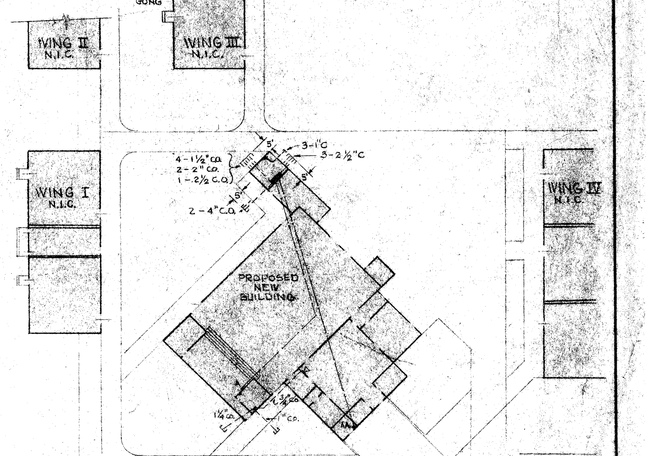
NOTE: EXIT LIGHTS CIRCUIT TO CONFORM TO SECTION 3312 U.B.C. 3312(C) - 2(1) OCCUPANCY 500 PERSONS



① MAIN SWITCHBOARD FOR 120/208V. 3Φ 4W; SCALE ¾" = 1'-0"
FINISH GRAY HAMMERTONE; ENGRAVED NAMEPLATES FOR ALL BREAKERS, SEE SCHEDULE



SINGLE LINE FEEDER DIAGRAM ②
NO SCALE



PLOT PLAN SCALE 1"=30'

A. S. MALAYAN
CONSULTING ELECTRICAL ENGINEER
924 TRUXTUN AVENUE BAKERSFIELD
CALIFORNIA FAirview 5-1884

NOTE: CONTRACTOR IS TO VERIFY ALL DIMENSIONS ON THE WORK. THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED ON COMPLETION OF THE CONTRACT.

DIVISION OF ARCHITECTURE
STATE OF CALIFORNIA — DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
16079 RECEIVED JUL 9 - 1957
APPLICATION No.
Proj. STRUCTURAL ENGINEER

BAKERSFIELD CITY SCHOOL DISTRICT
APPROVED MAY 9 1957
BOARD OF EDUCATION
BY RESOLUTION
Henry K. Compton
Supt. of Schools

MULTI-PURPOSE ROOM
HEIGHT STREET SCHOOL
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD CALIFORNIA

AIA
ALFORD, THOMAS & LEYDENFROST
C. B. ALFORD • W. J. THOMAS • ARCHITECTS • H. B. LEYDENFROST
BAKERSFIELD • • • • • CALIFORNIA

MAY 9 1957

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