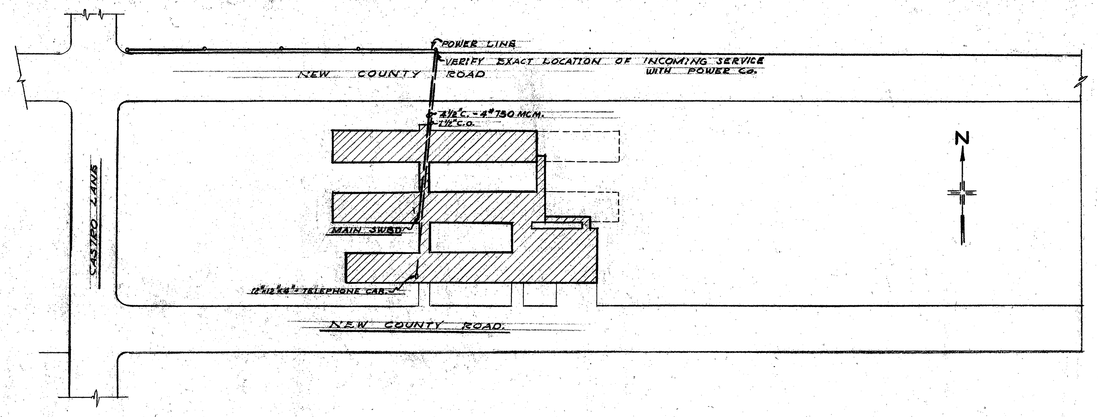
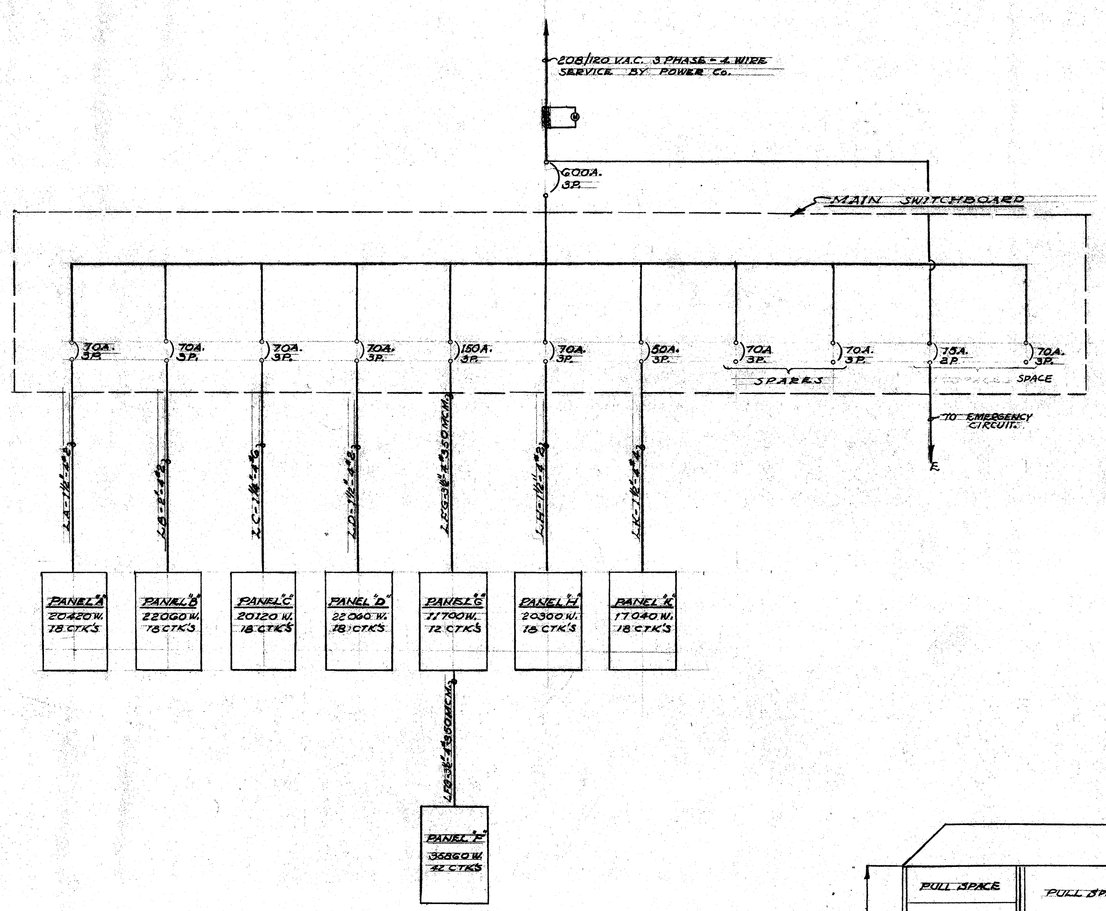


PLOT PLAN

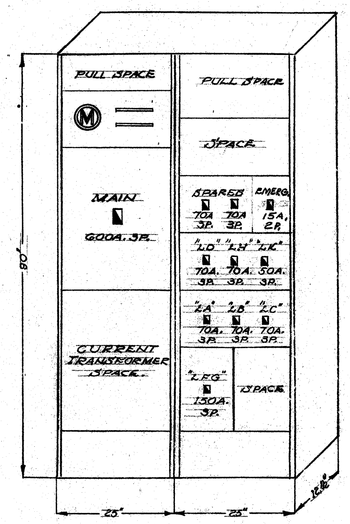
SCALE: 1"=100'-0"



FEEDER DIAGRAM

LOAD CALCULATION

CONNECTED LOAD = 193510 W.
ULTIMATE LOAD = 209510 W.
150000 W. @ 100% DEMAND
194510 W. @ 50% DEMAND
150000 W. ÷ 97255 = 112.255 K.V.-312 A.
USE 4½"C.-4#1/0 M.C.M. FOR SERVICE.



MAIN SWITCHBOARD

SCALE: ¾"=1'-0"

SYMBOLS

100W. 1#10	CEILING LIGHTING OUTLET - WATTAGE, FIXTURE NUMBER, & CIRCUIT NUMBER SHOWN.
	CEILING LIGHTING OUTLET - SQUARE FLUSH
	FLOODLIGHTING OUTLET
	EXIT LIGHTING OUTLET - FLUSH TYPE
	DUPLEX RECEPTACLE - 120V. OUTLET; +12" UNLESS OTHERWISE SHOWN.
	POLARIZED FLOOR RECEPTACLE
S_a	WALL SWITCH WITH IDENTIFYING SUBSCRIPT
S_3	WALL SWITCH - 3 WAY
S_K	WALL SWITCH - KEY OPERATED
	JUNCTION BOX - STANDARD OUTLET BOX WITH BLANK COVER
	THERMOSTAT OUTLET. MOUNTING HEIGHT - 5'0"
	LIGHTING PANELBOARD
	SIGNAL CABINET WITH BARRIERS
	TELEPHONE TERMINAL CABINET
	CLOCK OUTLET
	MASTER CLOCK
	BELL OR GONG OUTLET
	HORN OUTLET
	BREAK-GLASS FIRE ALARM STATION
	LOUDSPEAKER OUTLET
	TELEPHONE OUTLET
	CONDUIT RUN CONCEALED IN WALL OR CEILING
	CONDUIT RUN CONCEALED IN FLOOR OR SLAB
	CONDUIT RUN EXPOSED
4/#2 ¾"-#10	HOMERUN TO PANEL & CIRCUIT SHOWN; CONTINUE WIRE SIZE THROUGHOUT CIRCUIT, UNLESS CHANGE IS SHOWN. CROSSMARKS INDICATE NUMBER OF WIRES, SIZE AS SHOWN ON HOMERUN. ALL CONDUIT SHALL BE ½" UNLESS SHOWN LARGER. USE #12 WIRE FOR LIGHTING CIRCUITS NOT SHOWN LARGER.

FIXTURE SCHEDULE

F#1 CONCENTRIC RING INDIRECT, SILVER BOWL LAMP FIXTURE - 500W. - 3MOOT-HOLMAN CAT# BK 5003 WITH STANDARD HANGER, & SWIVEL SOCKET. M.H.-8'

F#2 VAPORTIGHT CEILING FIXTURE WITH GUARD & TYPE ARD OUTLET BOX ADAPTER 100W. - CROUSE HINDS GS 675.

F#3 ENCLOSING GLOBE - PENDANT STEM MOUNTING - OPAL GLASS GLOBES:
- 500 W. - GRAYBAR #9930 & #M7H
- 300 W. - GRAYBAR #9930 & #M7H
- 200 W. - GRAYBAR #9920 & #MGM
- 150 W. - GRAYBAR #9910 & #M4H
- 40, 60, 100 W. - GRAYBAR #9980 & #MAH

F#4 ALZAK ALUMINUM SOCKET REFLECTOR GRAYBAR GL-4174

F#5 PORCELAIN KEYLESS SOCKET WITH SHADE HOLDER GROOVE ALABAX-AL-898

F#6 FLUSH SQUARE FIXTURE - 300 W. - WITH BOX. - HOLOPHANE-CAT# F 1774

F#7 R.L.M. - GLASSTEEL DIFFUSER WITH WHITE PORCELAIN ENAMEL REFLECTOR - 500 W. - 3MOOT - HOLMAN CAT# 58G20 D

F#8 ADJUSTIBLE RECESSED FIXTURE WITH PAR 38 LAMP & LOUVRE COLOR CLIP - ROTOBEAM - GENERAL LIGHTING Co. CAT# 41

F#9 HOLOPHANE LOBAY FIXTURE CAT# GB3AL - STEM MOUNTED -

F#10 EXIT LIGHTING FIXTURE, FLUSH TYPE. GRAYBAR Co. CAT# 722 S

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.

STATE OF CALIFORNIA-DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION NO. 5813
APPROVED 5-27-48
SUPERVISING STRUCTURAL ENGINEER

CASTRO LANE SCHOOL
FOR
BAKERSFIELD CITY SCHOOL DIST.
BAKERSFIELD CALIFORNIA

C. B. Biggar

CHARLES H. BIGGAR
A.I.A. ARCHITECT
& ASSOCIATES
HABERFELDE BUILDING
BAKERSFIELD CALIFORNIA

DRAWN
REVISIONS
SHEET NO. E1