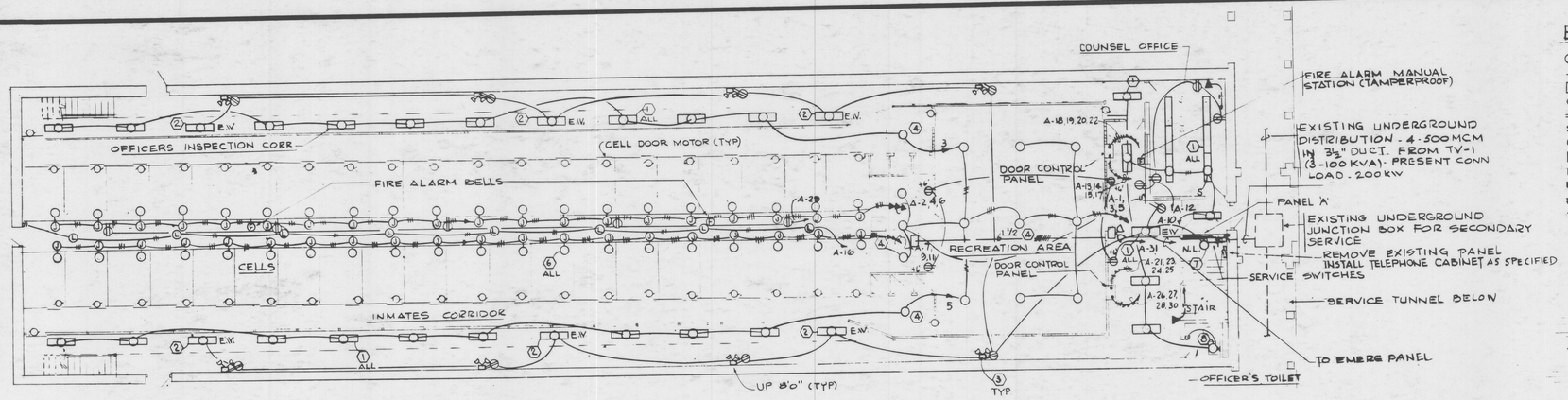


FIRST FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'0"

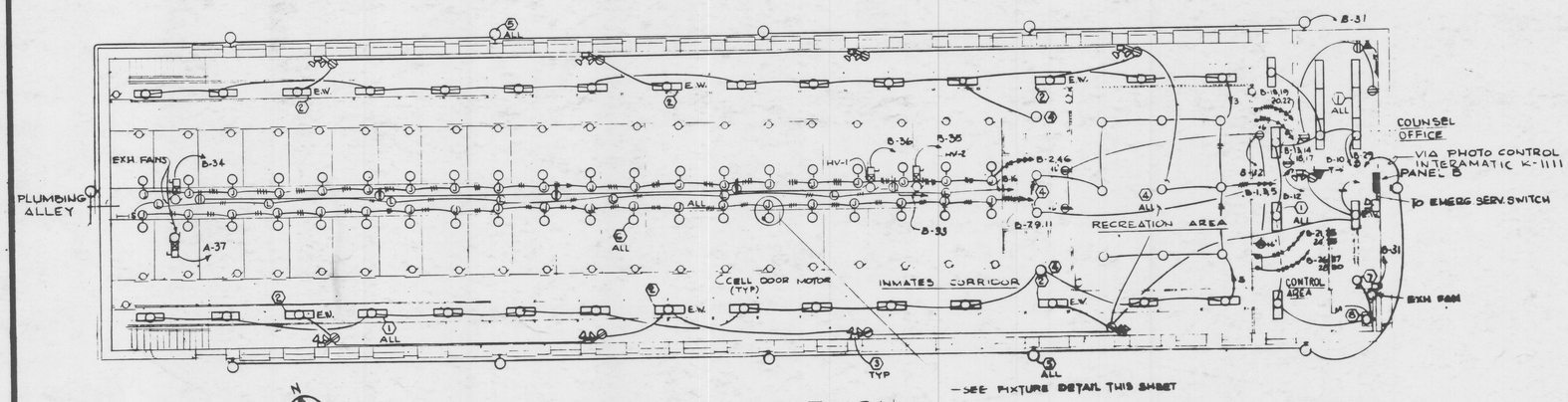
ELECTRICAL SYMBOLS

- INCANDESCENT CEILING FIXTURE
- INCANDESCENT WALL MOUNTED FIXTURE
- FLUORESCENT FIXTURE
- FIXTURE TYPE DESIGNATION - SEE FIXTURE SCHEDULE
- DUPLEX CONVENIENCE RECEPTACLE, M.H. + 30"
- SINGLE POLE SWITCH, M.H. + 4'6"
- JUNCTION BOX
- TWIN HEAD BATTERY UNIT
- E.W. EMERGENCY WHITE LIGHT
- ELECTRICAL PANEL
- DENOTES EXISTING EQUIPMENT
- MOTOR CONNECTION
- SAFETY SWITCH
- STARTER
- LAMPHOLDER
- CONDUIT RUN EXPOSED
- HOMERUN TO PANELBOARD - NUMBER OF ARROWS INDICATE No. OF CIRCUITS - NUMBER OF CROSSMARKS INDICATE No. OF WIRES.
- TELEPHONE OUTLET M.H. + 12"
- 1" COND. TEL HOMERUN TO TEL CABINET
- EXISTING UNDERGROUND SECONDARY FEEDERS
- FIRE ALARM MANUAL STATION
- FIRE ALARM BELL
- DOOR BUZZER, EDWARDS No 115-1
- PUSH BUTTON, EDWARDS No 852

LIGHTING FIXTURE SCHEDULE

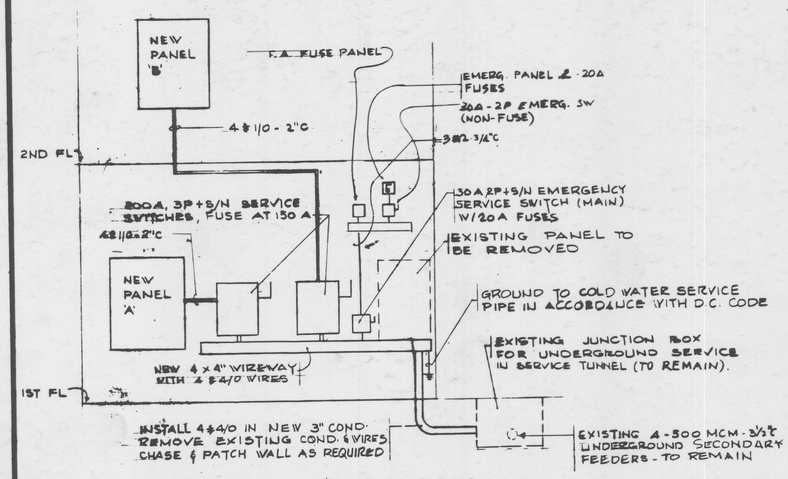
TYPE	DESCRIPTION	LAMPS	REMARKS
1	LITHONIA No. CL-240-P45	2F40 RS	CEILING MOUNTED
2	LIGHTOLIER No. 10153	1F40 RS	CEILING MOUNTED
3	YORKLITE No P6AN	2-PL 4524	TWIN HEAD BATTERY UNIT
4	MOLDCAST No. S-G34	1-150W	CEILING MOUNTED
5	HOLOPHANE No. 489-120 *	1-250W MERC	WALL MTD + 18'0"
6	REAR CELL BRACKET FIXTURE	1-150W, 1-10W	SEE DETAIL
7	PRESCOLITE No. WB-2	1-100W	WALL MTD + 7'0"
8	ART METAL No. 3137	1-75W	WALL MTD

* WITH SHOCK RESISTANT LENS & GUARD, INTEGRAL BALLAST & PHOTOCELL



SECOND FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'0"



ELECTRICAL RISER DIAGRAM

NO SCALE

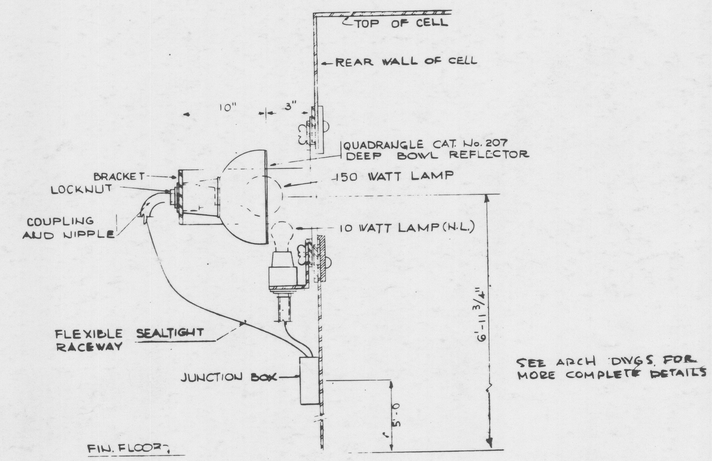
PANELBOARD SCHEDULE

120/208 V. 3 ϕ, 4 W, 225 A M.L.O - ALL BREAKERS 7500 A I.C (MIN)

PANEL	CIRCUIT	POLES	FRAME	TRIP	WIRE & CONDUIT	SERVING
'A'	1,3,5,10,16	1	E 100	20 A	# 12, 3/4" C	GENERAL LIGHTING
	8					SPARE
	2,4,7,9					CELL LIGHTS
	6,11					CELL NIGHT LIGHTS
	13-18, 17-22, 30					CELL DOOR MOTORS
	29-36				—	SPARES
	12, 28				# 12, 3/4" C	RECEPTACLES
'B'	1,3,5,10,15	1			# 12, 3/4" C	GENERAL LIGHTING
	12, 30					RECEPTACLES
	2,4,7,9					CELL LIGHTS
	6,11					CELL NIGHT LIGHTS
	13-18, 17-22, 30					CELL DOOR MOTORS
	29, 31					EXTERIOR LIGHTS
	32					1/8 HP EXH FAN
	8,				—	SPARES
	34	3			3 # 12 - 1 1/2"C	2 HP EXH FAN
	35, 36	3			3 # 12 - 3/4"C	HV-1 & HV-2, 2 HP EA
	37	3			3 # 12 - 3/4"C	2 HP EXHAUST FAN

NOTE: ALL WIRING FOR CELL DOORS AND OTHER ELECTRICALLY OPERATED DOORS BEYOND POINT OF CONNECTION AT CONTROL CENTER(S) SHALL BE AS RECOMMENDED BY MANUFACTURER IN COMPLIANCE WITH D.C. CODE.

1/8" = 1'0" SCALE 5 0 5 10 15 20



DETAIL OF REAR CELL BRACKET TYPE 6 FIXTURE

NOTE: CELL FIXTURES ARE TO BE PROVIDED UNDER THE CELL EQUIPMENT SECTION OF THE SPECIFICATION - ELECTRICAL CONNECTIONS SHALL BE IN ACCORDANCE WITH THE ELECTRICAL SECTION.

NOTE:
- REMOVE ALL LIGHTING FIXTURES AND OTHER ELECTRICAL DEVICES THRUOUT THE BUILDING. PULL OUT AND REMOVE ALL EXISTING WIRING AND CAP ALL OUTLETS
- FIRE ALARM SYSTEM SHALL BE NON-CODED, NON-SUPERVISED, CONTINUOUS RINGING - BELLS SHALL BE 8", 120V. - STATION SHALL BE PULL LEVER TYPE
- TRANSFORMER FOR DOOR BELL SYSTEM SHALL BE EDWARDS No. 998

As - Built JUN 1 1973

DISTRICT OF COLUMBIA — ALI AKBAR R. KHAN — No. 6190 — REGISTERED PROFESSIONAL ENGINEER

ASSISTANT DIRECTOR FOR BUREAU OF DESIGN AND ENGINEERING
DATE 7/23/71

DESIGNED			
DRAWN			
CHECKED			
REVISION	DATE	DESCRIPTION	BY / APP.
	JUL 27 1971	ISSUED FOR BIDS	

CERTIFICATION
ELECTRICAL PLANS CERTIFIED AS APPROVED IN SECTION G-153 [110-42(a),(b),(c),(d)] OF THE 1963 D.C. ELECTRICAL CODE

REGISTRATION NO. 6190
DATE 4/12/71

ARCHITECT
DATE 7 APR 22 1971

PROJECT DRAWINGS

PLANS · DIAGRAMS · SCHEDULES · DETAILS

INSTALLATION OF CELLS - BUILDING P-5
LORTON REFORMATORY - LORTON, VIRGINIA
DEPARTMENT OF CORRECTIONS

NELSON, TILGHMAN ASSOCIATES · ARCHITECTS
815 THAYER AVENUE - SILVER SPRING, MARYLAND 20910

GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF GENERAL SERVICES

ELECTRICAL

DRAWING NO. E-1

PROJECT NO. 22-115-70
DATE APRIL 12, 1971
SHEET 10 OF 10