PANEL MP SCHEDULE

Circuit No.	Load Served	Feeders: Breakers: Poles	Amps.	Volts	Phase	Wires: No.	Size	Type	Size Conduit	Remarks
MP-1	Inside lights	1	20	115	1		#12		3/4"	
MP-2	Outside lights, Recs	1	20	115	1		#12		3/4"	
MP-3	Controls	1	15	115	1		#14		3/4"	
MP-4	Space	1	15	115	1					
MP-5	Air Compressor	3	20	230	3	3	#12		3/4"	
MP-6	Unit Heater/Fan	3	30	230	3	3	#10		3/4"	
MP-7	Pump #1	3	70	230	3	3	#4		1 1/4"	
MP-8	Pump #2	3	70	230	3	3	#4		1 1/4"	
MP-9	Space Only	3	70							
MP-10	Space Only	3	70							
	GROUNDING CONDUCTOR					1	#4	bare	3/4"	See plan, Sheet E-1.

TYPE MAINS: LUGS ONLY 3-POLES, 200 AMPS, SN - #3/0 Lugs at Bottom.
SIZE MAINS: 2 POLES, 200 AMPS, 115/230 VOLTS - Delta.
NEUTRAL BAR: 100 AMPS.
TYPE PRIM: SURFACE.
See Specs. for Voltmeter with Switch to be installed in auxiliary gutter.
NOTES:
All TP breakers to be E-frame with min. 10,000 Amps. interrupting capacity.
All other breakers to be F-frame with min. 15,000 Amps. interrupting capacity at 600 V., A.C.
See Specs. for Main Breaker on outside of building.
* = See specifications for type of wires.

BRANCH CIRCUIT PANEL SCHEDULE

Panel	Nos.	Branch Circuits: Breakers: Quantity	Poles	Amps.	Volts	Phase	Spare Circuits	Main Bus Rating: Volts	Amps.	Main Breaker or Lugs in Time Column	Type	Remarks

ELECTRICAL ABBREVIATIONS

Comb.	Combination
C.W.	Cold Water
H.W.	Hot "
D.P.	Double pole
Disc. Sw.	Disconnect Switch
D.T.	Double throw
E.P. Valve	Electro-Pneumatic Valve
M.P. Sw.	Motor Protective Switch
M.S.	Magnetic Starter
N.F.	Non-fusible
P.E. Sw.	Pneumatic Electric Switch
S/N	Solid Neutral
S.P.	Single pole
S.T.	" throw
U.H.	Unit Heater
U.V.	" Ventilator
H.&V.	Heating & Ventilating
A.C.	Air Conditioning
P.B. Sta.	Pushbutton Station
P.B.	Pull Box
E.P.	Explosion Proof
P.T.C.P.	Pneumatic Temperature Control Panel
H	See "OUTLET HEIGHTS".

ELECTRICAL SYMBOLS

	Ceiling outlet with incandescent fixture.
	" " " " , recessed.
	" " " fluorescent " .
	" " " " " , one tube.
	" " " " , recessed
	Fluorescent fixture in continuous row.
	Blight channel section in continuous row of fluorescent fixtures.
	Ceiling outlet, with exit light fixture.
	" " , capped.
	Wall outlet with incandescent fixture.
	" " " recessed incandescent fixture.
	" " " fluorescent fixture.
	" " " " " , one tube.
	Surface duct, with flood lights.
	Wall outlet with exit light fixture.
	" " " " " " , recessed.
	" " , clock hanger.
	" " , fan "
	Connection, capped, with flexible metal conduit connection to equipment.
	Receptacle outlet, duplex, convenience, wall.
	" " , single, " , floor.
	" " , duplex, grounding type, wall.
	" " , single, " , floor.
	" " , single, convenience, wall
	" " , " grounding type, wall.
	" " , heavy duty
	Floor outlet, special. See Specs.
	Local switch, single pole.
	" " , 3-way
	" " , 4-way
	" " , & single receptacle in two-gang box.
	" " " , grounding type, in two-gang box.
	Telephone outlet, wall.
	" " , floor
	Outlet, wall, for Intercom. Telephone System.
	Indicates Switch Control
	Receptacle, motion picture sound equipment.
	Fire alarm horn, double projector.
	" " " , single " .
	" " break glass station.
	Motor
	Thermostat Mounts 5'-0" [illegible]
	Wall outlet, speaker.
	Ceiling " " "
	" " " " , recessed.
	Wall " , microphone.
	Floor " " "
	Pushbutton Station
	Program bell.
	Master Clock
	Secondary "
	Junction box

NOTE: These symbols are typical and do not necessarily pertain to this job unless specified or used elsewhere.

OUTLET HEIGHTS
(Unless otherwise indicated)

Local Switches	4'-0"
~~Wall receptacles~~	~~1'-0"~~
~~Telephone outlets, wall~~	~~1'-0"~~
~~Fire alarm horns~~	~~8'-0"~~
~~" break glass stations~~	~~4'-8"~~
~~Indoor program bells~~	~~8'-0"~~
~~Central sound system speakers, wall~~	~~9'-0"~~
~~" microphones,~~	~~1'-0"~~
~~Secondary program clocks~~	~~7'-8"~~
Wall Receptacles marked with the letter "H"	4'-0"

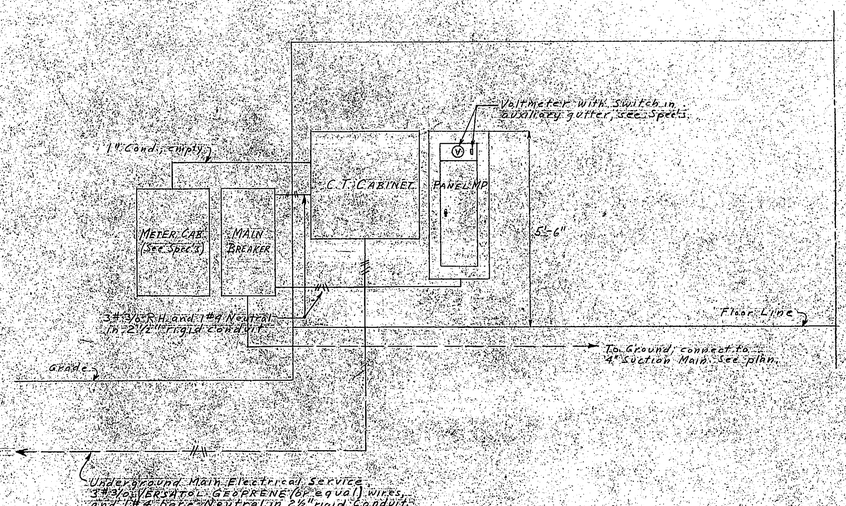
NOTE: In exposed masonry or tile finished walls the above heights shall be used only as a guide. See "Wiring Methods" in Specs.

GENERAL NOTE

The Electrical Contractor shall verify all door swings before installing switch boxes, to insure proper location of local switches.
He shall notify the Architect-Engineer of any discrepancies found.

CONDUIT AND BRANCH CIRCUIT NOTE

Conduit runs are not shown on plans. Provide conduits to produce switching and circuit control indicated. This Contractor shall allow for making connections to all outlets, motors, equipment, etc., indicated. He shall check plans before installation to make sure that all outlets, etc. have a designated circuit and notify the Architect-Engineer of any discrepancies found.



SCHEMATIC DIAGRAM OF MAIN ELECTRICAL SERVICE AND SERVICE EQUIPMENT

NO SCALE

ELECTRICAL WORK DETAILS

PEAKWOOD DRIVE BOOSTER PUMPING STATION FOR CITY OF ROANOKE WATER DEPT.
ROANOKE, VIRGINIA

COMM. NO.		SHEET NO.
1049	SMITHEY & BOYNTON ARCHITECTS AND ENGINEERS ROANOKE, VIRGINIA	E-2
DATE Oct. 20, 1959	REVISION DATES	