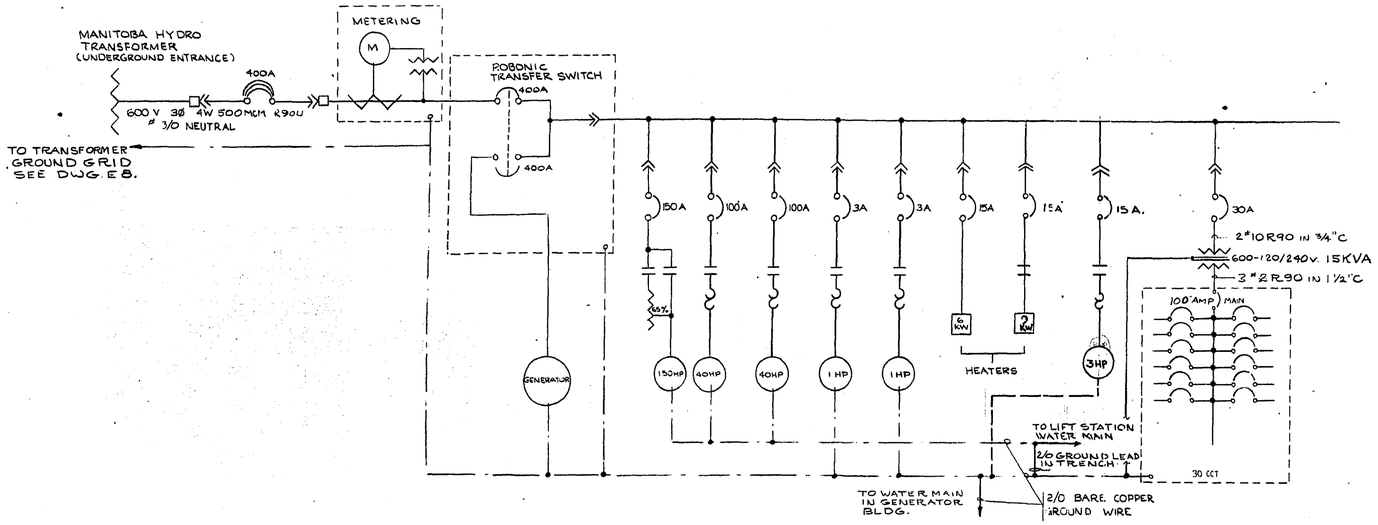
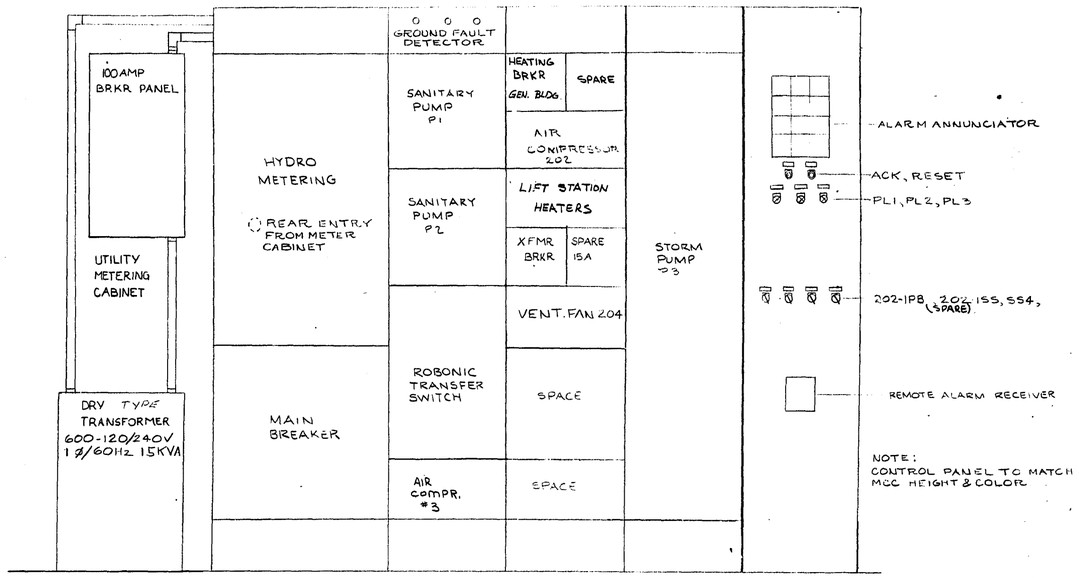


600 VOLT MAIN POWER DISTRIBUTION



MAIN POWER DISTRIBUTION PANEL

SCALE: 3/32" = 1"

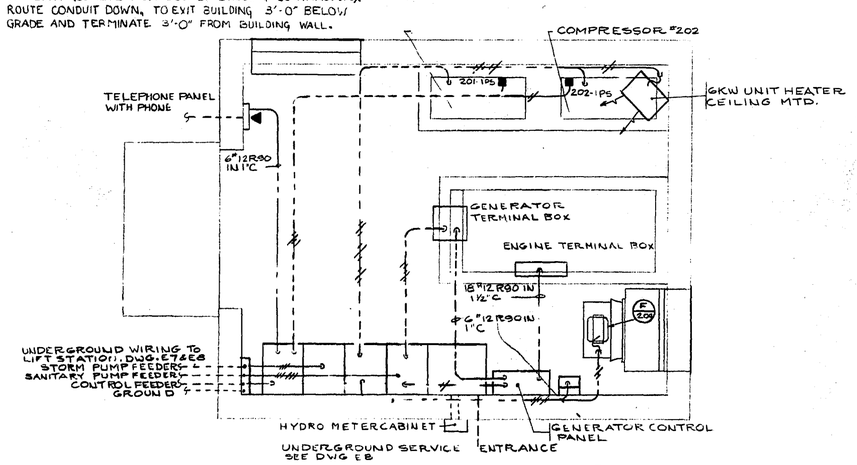
600 VOLT DISTRIBUTION SCHEDULE

UNIT NO	DESCRIPTION	LOCATION	MOTOR FULL LOAD AMPS	MOTOR H.P. OR KW	STARTER CEMA	STARTER TYPE	FEEDER CAPY IN AMPS	FEEDER SIZE	FEEDER TYPE	CIRCUIT PROTECTION CONTINUOUS RATING	CIRCUIT PROTECTION FRAME SIZE	CONTROLS TYPE OF CONTROL	CONTROLS AT M.C.C.	CONTROLS AT MOTOR	REMARKS
P1	SANITARY PUMP	STATION	41A	40HP	3	FVNR	70	3-C #6	RWU90	100A, 3P	MCP	AUTO LEVEL CONTROL		NIL	AUX. CONTACT ON BREAKER FOR CONTROL CIRCUIT
P2	SANITARY PUMP	STATION	41A	40HP	3	FVNR	70	3-C #6	RWU90	100A, 3P	MCP	" " "		NIL	" " " " " "
P3	STORM PUMP	STATION	146A	150HP	5	SYNR/AUTOTRANS. PRIMARY STARTING, CLOSED TRANSITION	185	3-C 2/0	RWU90	250A, 3P	LB	" " "		NIL	" " " " " "
	AIR COMPRESSOR	GEN. BUILDING	14A	3HP	1	FVNR	20	3-C #12	R90	3A, 3P	MCP	AIR PRESS. CONTROL			AUTO-STOP DUTY SELECTOR SW & TEST PUSH BUTTON IN CONTROL PANEL
	AIR COMPRESSOR	GEN. BUILDING	14A	3HP	1	FVNR	20	3-C #12	R90	3A, 3P	MCP	" "			" " " " " "
	HEATER	STATION		9KW			55	3-C #6	RWU90	100A, 3P	SP				THERMOSTAT
	HEATER	GEN. BUILDING		6KW			20	3-C #12	R90	15A, 3P	FB				INTEGRAL THERMOSTAT.
204	VENTILATION FAN	GEN BUILDING	3.9	5HP		FVNR	20	3-C #12	R90	7A, 3P	MCP	THERMOSTAT + HAND.			
203	AIR COMPRESSOR	STATION	3.6	3HP	1	FVNR	30	3 #10	TWU 90	15A, 3P	MCP	AIR PRESS, CONTROL			

100 Amp. 120/240 Volt 1 Phase P/NELBOARD Complete With 100 Amp. Main Breaker

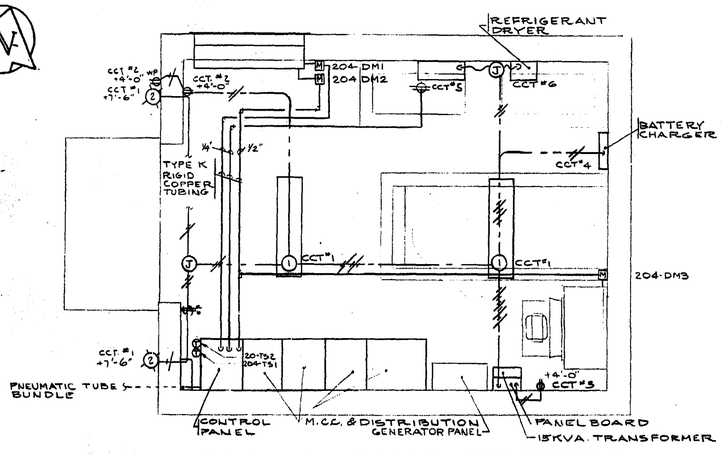
DESCRIPTION	WATT A	WATT B	CCT	BRKR AMP	POLE	POLE	BRKR AMP	CCT	WATT A	WATT B	DESCRIPTION
Generator Building Lighting	350		1	15			15	2	400		Generator Building Outlets
Generator Building Outlets		200	3	15			15	4		1000	Battery Charger
RECEPTACLE	1000		5	15			15	6	1000		Refrigerant Dryer
Control Cct.-SEAL WATER		500	7	15			15	8		500	Pump Control Cct.
Sump Pump Control Cct.	500		9	15			15	10	500		Annunciator Supply
SUMP PUMP #1		500	11	15			15	12		500	Alarm Receiver Supply
Vent Fan TOC			13	15			15	14	950		Vent Fan 106
Lift Station Dry Well Lights		800	15	15		20		16		950	Vent Fan 106
Lift Station Wet Well Lights	300		17	15				18	1400		
Spare			19	15				20		1400	
Sump Pump 201	1400		21	20				22			
Sump Pump 201		1400	23					24			
			25					26			
			27					28			
			29					30			

FOR TELEPHONE SERVICE ENTRANCE:
INSTALL 1-1 1/4" RIGID CONDUIT TROUGH 2" SLEEVE PROVIDED IN FLOOR (SLEEVE PROVIDED BY BUILDING CONTRACTOR). ROUTE CONDUIT DOWN, TO EXIT BUILDING 3'-0" BELOW GRADE AND TERMINATE 3'-0" FROM BUILDING WALL.



GENERATOR BLDG. POWER & CONTROLS FLOOR PLAN

3/8" - 1'-0"



GENERATOR BLDG. LIGHTING & PNEUMATICS FLOOR PLAN

3/8" - 1'-0"

AS - BUILT

DATE	FB. NO.	PAGE
Dec/76		

ELECTRICAL LEGEND

NO	REVISIONS	DATE	BY
1	REVISED TO DATE	JAN/86	MD.

CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
DISTRICT 5

W. L. WARDROP & ASSOCIATES LTD.
ENGINEERING CONSULTANTS
WINNIPEG • THUNDER BAY • REGINA • BARRIE • EDMONTON

WINDSOR PARK LIFT STATION RENOVATION

DISTRIBUTION & GENERATOR BUILDING LAYOUT

DESIGNED BY:	DRAWN BY:	CHECKED BY:
B.S.	J.L.	

APPROVED BY:

PROVINCE OF MANITOBA R. S. MORRISON REGISTERED ENGINEER

SCALE:	DATE:
AS NOTED	1/76

DRAWING NO: 76012-04-E2 REV 0

MICROFILMED OCT 23 1987