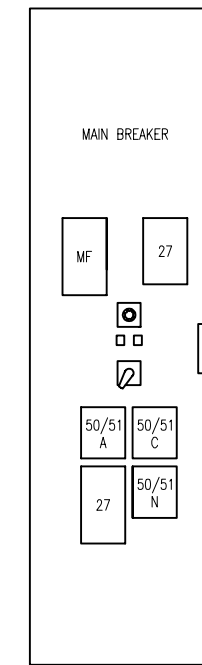


4160V SWITCHGEAR



EXISTING 4160V MAIN BREAKER ELEVATION

WORK REQUIRED

- 1. INSTALL NEW RELAYS IN THE LOCATIONS SHOWN.

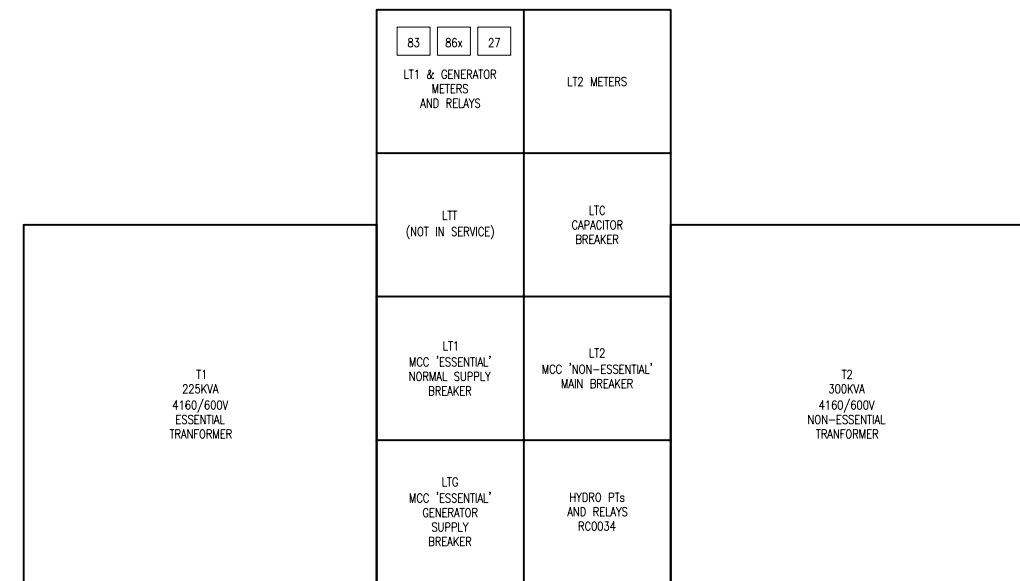
P7 SUMP PUMP	F3 EXHAUST FAN	LD-050 FE-1 NORTH FLOWMETER	LD-050 FE-2 SOUTH FLOWMETER	FC2 FAN COIL	LZ-902-AC VALVE AIR COMPRESSOR	SHV-2
P8 SUMP PUMP	F4 EXHAUST FAN	SHV-1	SHV-3	HV4 SCR'S	SPARE 50A BREAKER SIZE 1	H1 MONORAIL HOIST CL2 ROOM DHV-2
R1 AIR COMPRESSOR	E7 12 KW HEATING	DHV-1	DHV-4	E1 75 KW HEATING	E3 60 KW HEATING	H2 PUMP ROOM CRANE DHV-3
R2 AIR COMPRESSOR	F6 EXHAUST FAN	LP-B TRANSFORMER	UPS-1 TRANSFORMER	E2 60 KW HEATING	E10 40 KW HEATING	E4 10KW HEAT D1 - PUMP ROOM DOOR
FC1 FAN COIL	F9 EXHAUST FAN	LIGHTING TRANSFORMER (NOT IN SERVICE)		E5 12KW HEAT D2 - PUMP ROOM DOOR	E6 12 KW HEAT LPA TRANSFORMER	E5 12KW HEAT D2 - PUMP ROOM DOOR
FC3 FAN COIL	F10 EXHAUST FAN			E7 10KW HEAT	E8 10KW HEAT	E6 12 KW HEAT LPA TRANSFORMER
F1 EXHAUST FAN	F12 EXHAUST FAN			E9 10KW HEAT	E11 20KW HEAT	E7 10KW HEAT D1 - PUMP ROOM DOOR
F2 EXHAUST FAN				E12 20KW HEAT	E12 20KW HEAT	E8 10KW HEAT D1 - PUMP ROOM DOOR
				E13 7.5 KW HEAT	E13 7.5 KW HEAT	E9 10KW HEAT D1 - PUMP ROOM DOOR
				E14 20KW HEAT	E14 20KW HEAT	E10 12KW HEAT D2 - PUMP ROOM DOOR
				AIR CONDITIONER	AIR CONDITIONER	E11 20KW HEAT D2 - PUMP ROOM DOOR

MCC 'ESSENTIAL'

MCC 'NON-ESSENTIAL'

CH 1	
CHWP1	AHU1
CHWP2	CT-1 FAN2
CTP1	CT-1 FAN2
CTP2	

CDP-B 'NON-ESSENTIAL'



600V SWITCHGEAR

NOTES:

- 1. THIS DRAWING IS BASED UPON EXISTING DOCUMENTATION AND SITE INSPECTION. DESIGN RESPONSIBILITY IS LIMITED TO THE MODIFICATIONS SHOWN.



DESIGNED BY:	B. KING	CHECKED BY:	C. REIMER
DRAWN BY:	B. KING	APPROVED BY:	C. REIMER
SCALE:	NTS	RELEASED FOR CONSTRUCTION BY:	
DATE:	2009/08/17	DATE:	
ISSUED FOR TENDER	2009/08/17	BDK	CJR
NO. REVISIONS	DATE	DESIGN	CHECK

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B. D., KING
2009/08/14
REV. 00

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MACLEAN PUMPING STATION
ELECTRICAL EQUIPMENT ELEVATIONS
4160V SWITCHGEAR & 600V SWITCHGEAR/MCC

CITY DRAWING NUMBER: 1-0630M-E0013
SHEET: 001
REV: 00
SIZE: A1

1-0630M-E0012	ELECTRICAL EQUIPMENT PLAN
DRAWING NUMBER	REFERENCE DRAWINGS