Notes:
1) Deluge Valve (maintained) contact(s) & Remote Start (momentary) contact(s) OPEN to start pump.
2) Lockout contact(s) CLOSE to lockout pump.
3) Power Failure Alarm (PAR) & Generator Start (GSR) contacts shown in Alarm or Starting State. All others shown Normal.

CONTROLLER SUITABLE FOR USE AS SERVICE EQUIPMENT

GROUNDING SERVICE CONDUCTOR
GROUNDING ELECTRODE CONDUCTOR

MASTER Transfer Switch Fire Pump Controller

TB1B

1) Plumber (remote)
2) Pump Demand (remote)
3) Transfer In Normal Start Circuit
4) Transfer In Normal Remote Alarm
5) Transfer In Emergency C.B. Open
6) Generator Start Circuit (Note 3)

- Contacts CLOSE to ALARM
- Contacts OPEN to ALARM
Alarm contact rating (Resistive): 2 Amps @ 30 VDC,
1 Amp @ 125 VAC

TB1A

1) O.C.C.
2) Remote Start
3) Lockout Contact (Note 2)
4) PUMP RUNNING REMOTE ALARM
5) PUMP RUNNING REMOTE ALARM
6) AC POWER FAIL REMOTE ALARM (Note 3)
7) PHASE SEQUENCE REMOTE ALARM
8) TO 1Ø A.C. SUPERSVISORY POWER SOURCE

MAIN CONTACCTOR NO. 1

BP

SPAY/SPAY CHASSIS

MOTOR

UL

LISTED

FM

APPROVED

Date 10 Jan 2014
Drawing 20133 Issue 2

Master Control Systems Inc.
LAKE BLUFF, ILLINOIS U.S.A.

MODEL MCVRT EXTERNAL WIRING DIAGRAM
PRIMARY REACTOR BYPASS - G4