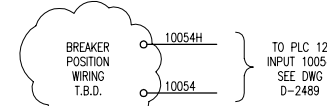
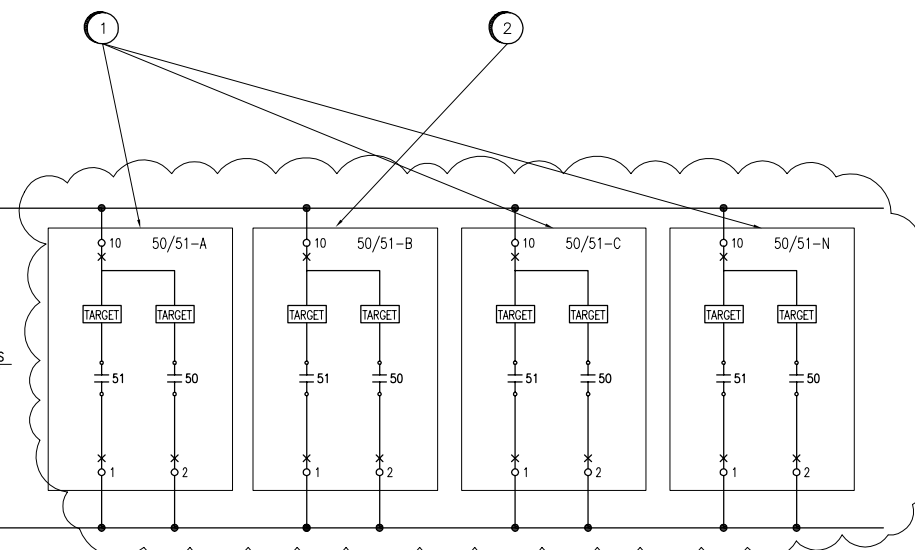
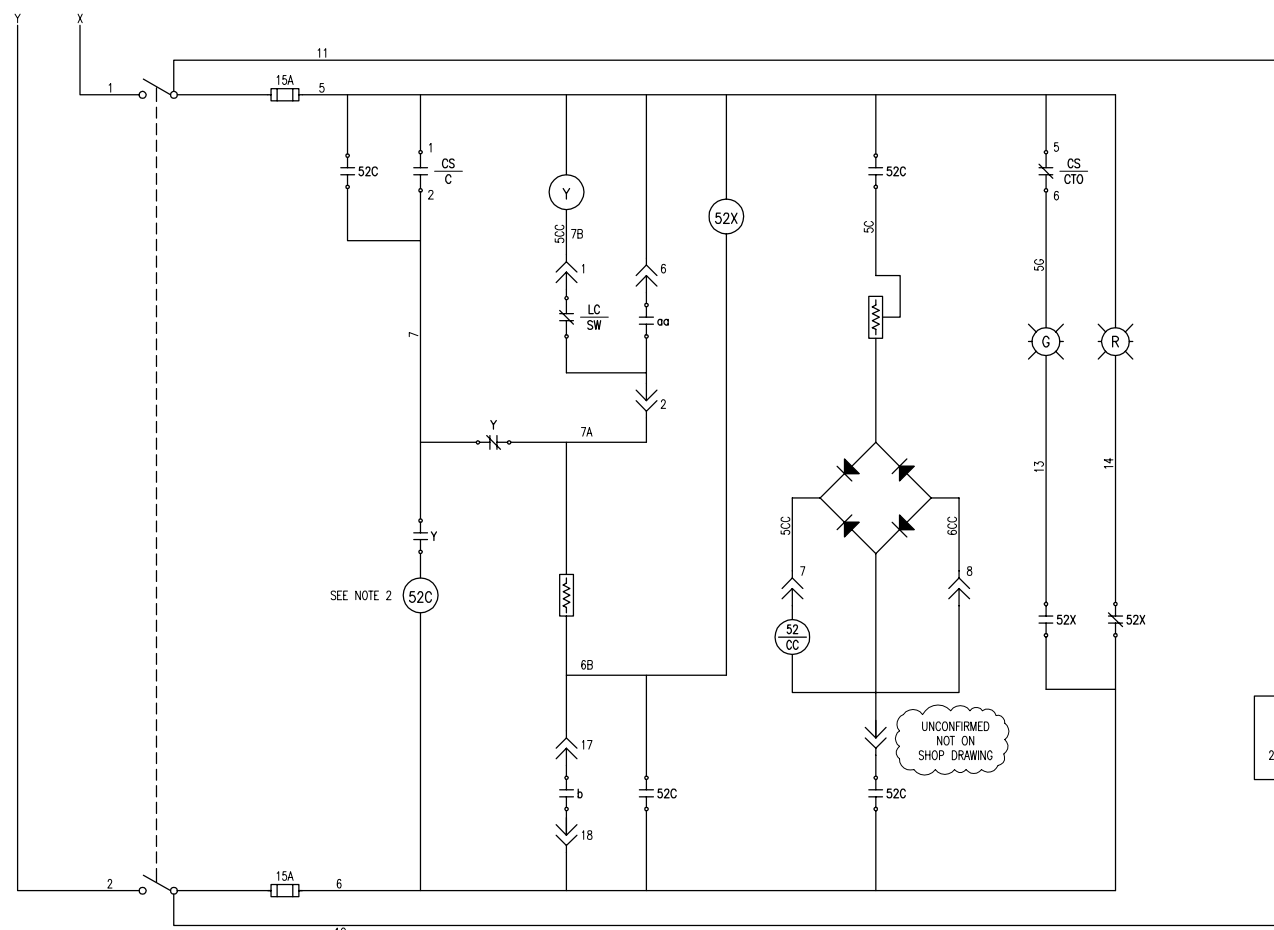


MAIN BREAKER
 CONTROL POWER
 SEE DRAWING
 1-0630M-E0015



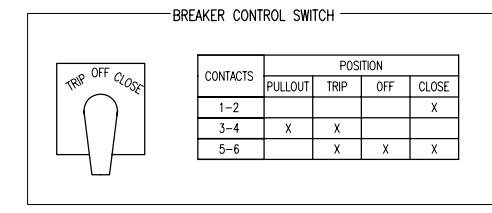
- LEGEND:**
- DEVICE IDENTIFIERS:**
- 52 AIR CIRCUIT BREAKER
 - 52C CLOSING CONTACTOR
 - 52X AUXILIARY RELAY
 - CS CONTROL SWITCH
 - Y ANTI-PUMP RELAY; PREVENTS RECLOSING ON A SUSTAINED CLOSE COMMAND
 - CTD CAPACITOR TRIP DEVICE
 - LC-SW BELIEVED TO BE TRIP LATCH CHECKING SWITCH; CLOSED WHEN LATCH IS RESET (UNCONFIRMED)
- DEVICE SUFFIXES:**
- o NORMALLY OPEN BREAKER POSITION. CONTACT IS CLOSED WHEN BREAKER IS CLOSED
 - oo CONTACT IS OPEN WHEN THE OPERATING MECHANISM IS IN THE NON-OPERATED POSITION.
 - b NORMALLY CLOSED BREAKER POSITION. CONTACT IS CLOSED WHEN BREAKER IS OPEN
 - C CLOSE
 - CC CLOSING COIL
 - CTO CLOSE, TRIP, OR OFF
 - TC TRIP COIL

DEVICE DETAILS

ID	MANUFACTURER & MODEL
50/51-A	BASLER BE1-50/51B-219
50/51-B	BASLER BE1-50/51B-205
50/51-C	BASLER BE1-50/51B-219
50/51-N	BASLER BE1-50/51B-219

WORK REQUIRED

- 1 INSTALL NEW BASLER RELAY INTO THE EXISTING RELAY CASE.
- 2 INSTALL NEW BASLER RELAY, WITH CASE.



NOTES:

1. THIS DRAWING SUPERCEDES PART OF THE ORIGINAL WESTINGHOUSE SHOP DRAWING 739D778. ALL EXISTING WIRING HAS NOT BEEN FIELD VERIFIED. DESIGN RESPONSIBILITY IS LIMITED TO THE MODIFICATIONS SHOWN.
2. THE 52C COIL WAS ORIGINALLY IDENTIFIED AS 52-X ON THE SHOP DRAWING. IT HAS BEEN RE-IDENTIFIED TO AVOID CONFUSION WITH 52X.



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER	2009/08/17	BDK	CJR

SNC-LAVALIN INC.
 148 Huttery Park Way
 Winnipeg, MB, Canada R3P 0X7
 204-786-8080

DESIGNED BY: B. KING
 DRAWN BY: S. HAILU
 SCALE: NTS
 DATE: 2009/08/17

CHECKED BY: C. REIMER
 APPROVED BY: C. REIMER
 RELEASED FOR CONSTRUCTION BY:
 DATE:

ENGINEER'S SEAL

ORIGINAL DRAWING
 SEALED BY:
 B. D., KING
 2009/08/14
 REV. 00

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

MACLEAN PUMPING STATION

CONTROL SCHEMATIC
 4160V MAIN BREAKER CONTROL

CITY DRAWING NUMBER: 1-0630M-E0014
 SHEET: 001
 REV: 00
 SIZE: A1

DRAWING NUMBER	REFERENCE DRAWINGS