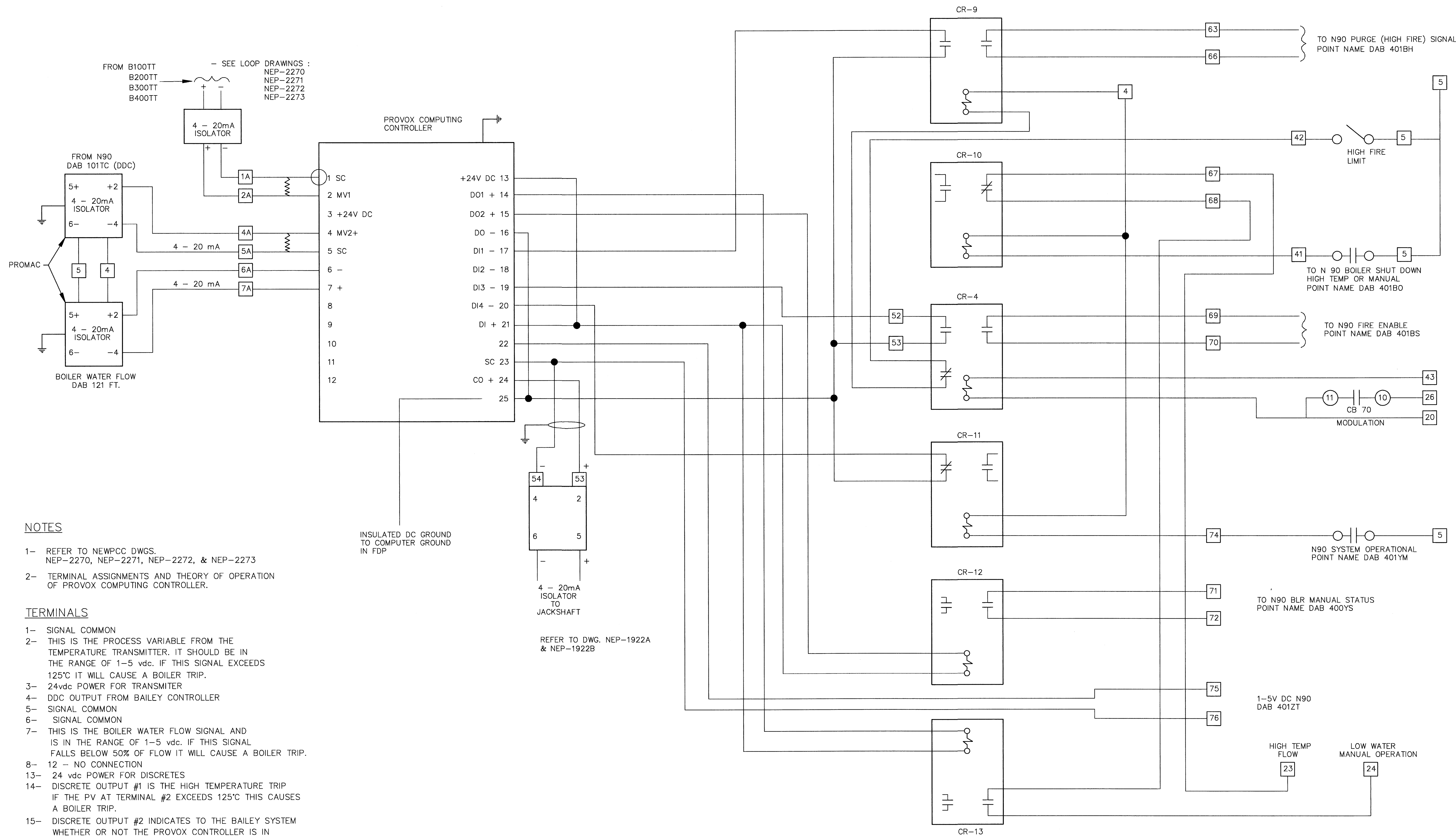




NOTES

- REFER TO NEWPCC DWGS.
NEP-2270, NEP-2271, NEP-2272, & NEP-2273
- TERMINAL ASSIGNMENTS AND THEORY OF OPERATION
OF PROVOC COMPUTING CONTROLLER.

TERMINALS

- SIGNAL COMMON
- THIS IS THE PROCESS VARIABLE FROM THE
TEMPERATURE TRANSMITTER. IT SHOULD BE IN
THE RANGE OF 1-5 vdc. IF THIS SIGNAL EXCEEDS
125°C IT WILL CAUSE A BOILER TRIP.
- 24vdc POWER FOR TRANSMITTER
- DDC OUTPUT FROM BAILEY CONTROLLER
- SIGNAL COMMON
- SIGNAL COMMON
- THIS IS THE BOILER WATER FLOW SIGNAL AND
IS IN THE RANGE OF 1-5 vdc. IF THIS SIGNAL
FALLS BELOW 50% OF FLOW IT WILL CAUSE A BOILER TRIP.
- 12 - NO CONNECTION
- 24 vdc POWER FOR DISCRETES
- DISCRETE OUTPUT #1 IS THE HIGH TEMPERATURE TRIP
IF THE PV AT TERMINAL #2 EXCEEDS 125°C THIS CAUSES
A BOILER TRIP.
- DISCRETE OUTPUT #2 INDICATES TO THE BAILEY SYSTEM
WHETHER OR NOT THE PROVOC CONTROLLER IS IN
MANUAL MODE.
- DISCRETE OUTPUT COMMON
- DISCRETE INPUT #1 IS THE PURGE SIGNAL FROM THE FIREYE TO PROVOC.
- NO CONNECTION
- DISCRETE INPUT #3 IS THE FIRE ENABLE SIGNAL FROM THE FIREYE TO PROVOC.
- DISCRETE INPUT #4 IS THE SIGNAL FROM THE BAILEY SYSTEM
TELLING PROVOC THAT BAILEY IS OPERATIONAL AND CAN
TAKE CONTROL OF THE BOILERS. IF BAILEY IS NOT OPERATIONAL, OPERATIONS
WILL NOT BE ABLE TO PUT CONTROLLER IN DDC.
- 24 vdc POWER.
- THIS IS THE OUTPUT TRACKING SIGNAL THAT IS SENT TO THE BAILEY SYSTEM.
- THIS TERMINAL IS SIGNAL COMMON AND IS CONNECTED TO THE
COMMON TERMINAL OF THE 4-20 mA ISOLATOR.
- THIS IS THE 4-20mA CURRENT OUT SIGNAL AND GOES TO THE
PLUS SIDE OF THE 4-20mA ISOLATOR.

B.M. ELEV.				ENGINEER'S SEAL				THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE AND DISPOSAL DEPARTMENT			
6). GENERAL REVISIONS 05-95 WKT 5). GENERAL REVISIONS 01-94 MBD 4). GENERAL REVISIONS 08-93 WKT 3). GENERAL REVISIONS 07-93 MBD 2). GENERAL REVISIONS 01-93 TM 1). GENERAL REVISIONS 03-93 MBD				DESIGNED BY R.G. SALES CO. CHECKED BY DRAWN BY MBD TM APPROVED BY HOR. SCALE N.T.S. VERTICAL DATE FEBRUARY 1993				RELEASED FOR CONSTRUCTION FEB. 1984 DATE			
NO. REVISIONS				DATE				PLOT DATE MAY 17, 1995			
NORTH END WATER POLLUTION CONTROL CENTRE PROVOC COMPUTING CONTROLLER CABINET, BOILERS 1, 2, 3, & 4								SHEET 4 OF 4 CITY DRAWING NUMBER NEP-1922D			