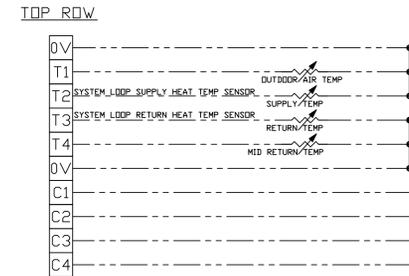
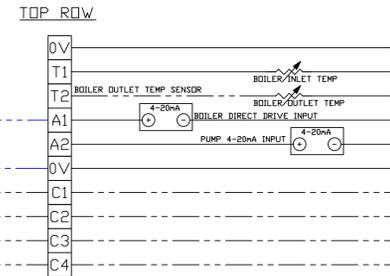


SYSTEM ADMINISTRATOR

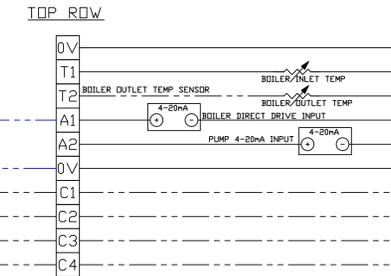
ADMINISTRATOR_DEVICE (WIRING_BLOCK #1)



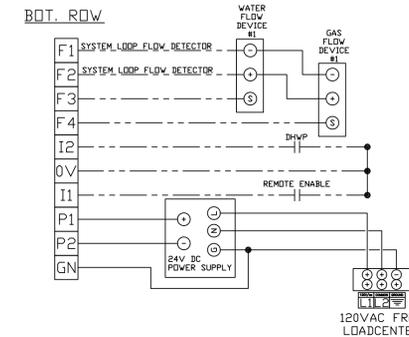
BOILER_DEVICE FIELD WIRING



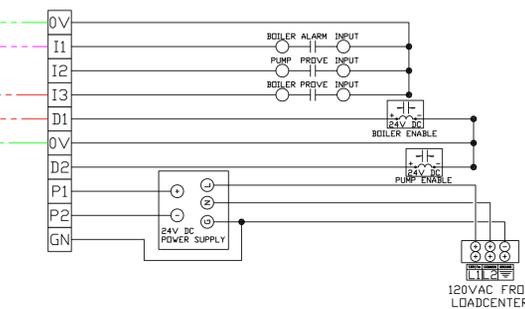
BOILER_DEVICE FIELD WIRING



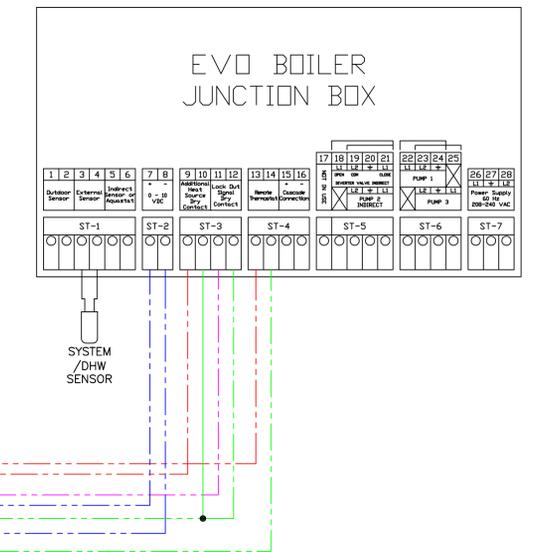
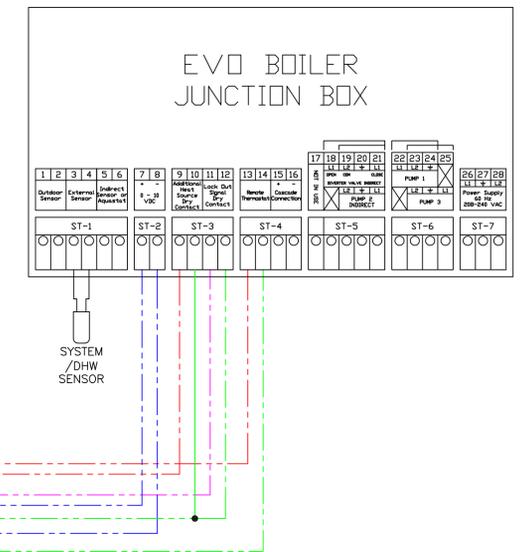
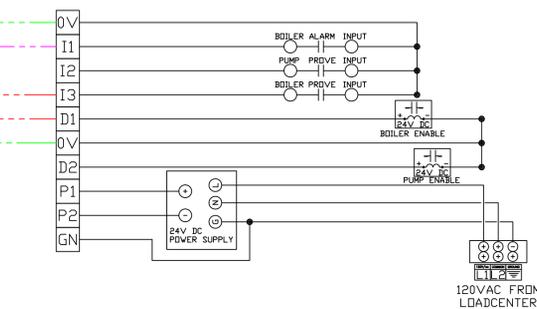
SEE SHEET E2 FOR CONNECTION POINTS



BOILER_DEVICE FIELD WIRING



BOILER_DEVICE FIELD WIRING

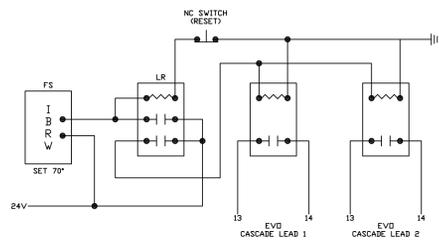


BOILER SET #1

BOILER SET #2



TPC EMERGENCY BACKUP CONTROL DIAGRAM



BOILER SYSTEM
IF THE BUILDING LOOP TEMPERATURE DROPS BELOW 70° FAHRENHEIT A LATCHING RELAY (LR) WILL CLOSE AND DISENGAGE THE TPC CONTROLLER FROM THE BOILERS. THE EVO BOILERS WILL THEN OPERATE UNDER THE CONTROL OF THE LEAD BOILER IN EACH BANK OF BOILERS. THE BOILERS WILL OPERATE AT THE SETTING SET ON THE LEAD EVO BOILER CENTRAL CONTROL PANEL AND DISPLAYED ON THE BOILERS LED READDUT.

A MANUAL RESET SWITCH WILL DISENGAGE THE LATCHING RELAY AND RETURN CONTROL BACK TO THE TPC SYSTEM.

KEY:
FS CURRENT RELAY
LR LATCHING RELAY

BOILER WIRING DIAGRAM

SCALE: NONE

CONSULTANTS:
MICHIGAN

PROJECT NAME:
DETROIT COUNTRY DAY

PERFORMANCE engineering group

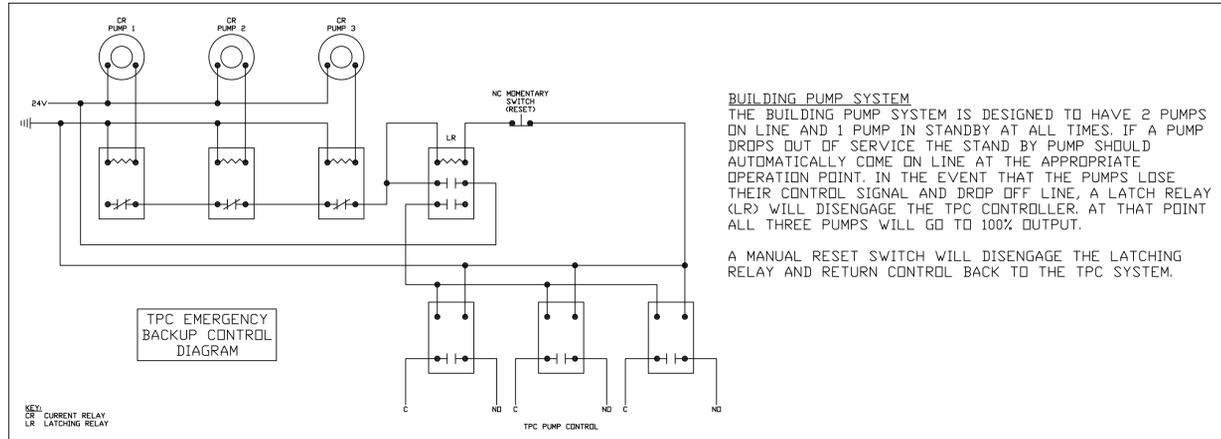
THAW-PAK DISTRIBUTOR:
PERFORMANCE engineering group

DRAWN BY:
Gordon Faustich
REVIEWED BY:
AD
APPROVED BY:
AD
ISSUED FOR

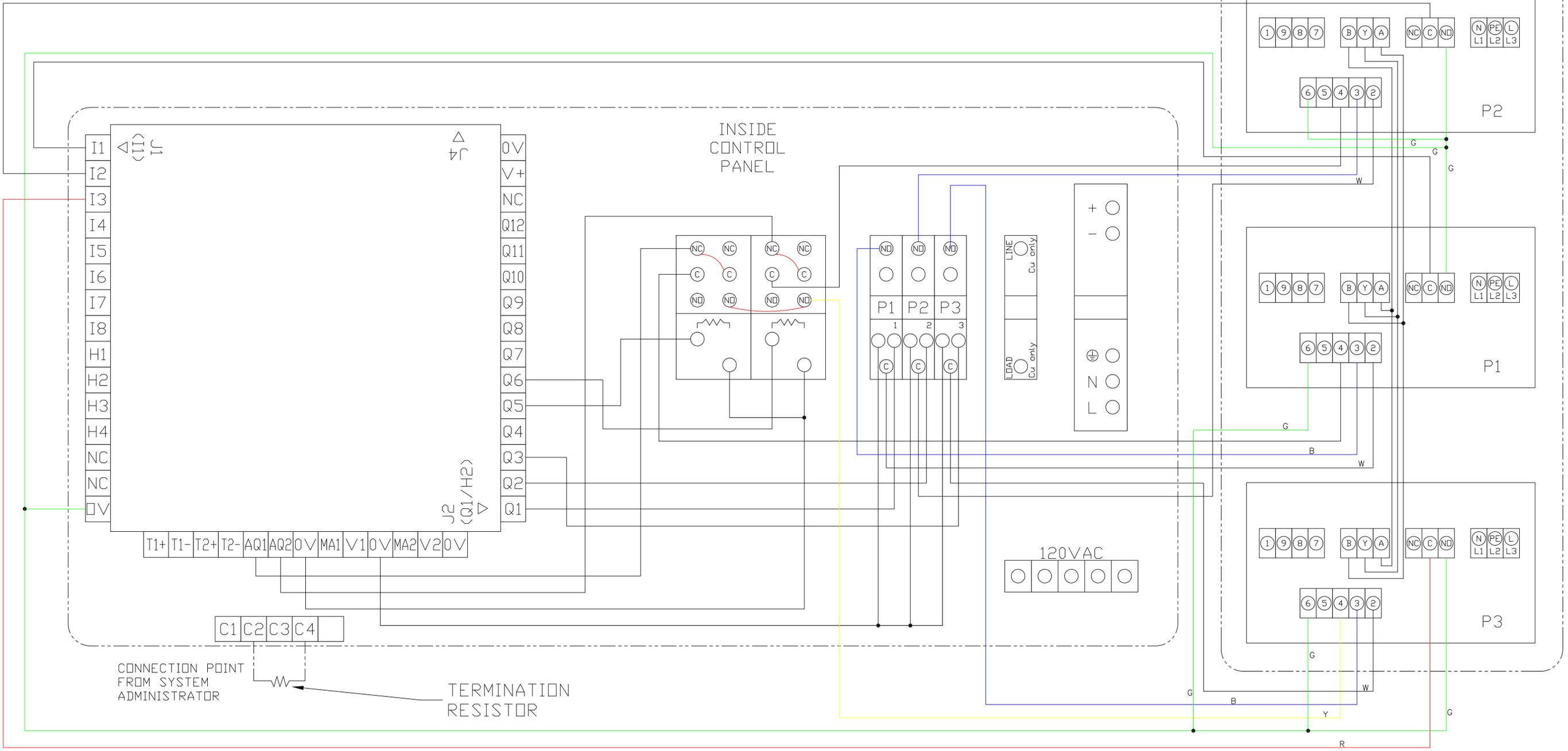
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DRAWING NO.
TPC CONTROLS WITH EVOs_D

SHEET NO.
E1



BUILDING PUMP SYSTEM
 THE BUILDING PUMP SYSTEM IS DESIGNED TO HAVE 2 PUMPS ON LINE AND 1 PUMP IN STANDBY AT ALL TIMES. IF A PUMP DROPS OUT OF SERVICE THE STANDBY PUMP SHOULD AUTOMATICALLY COME ON LINE AT THE APPROPRIATE OPERATION POINT. IN THE EVENT THAT THE PUMPS LOSE THEIR CONTROL SIGNAL AND DROP OFF LINE, A LATCH RELAY (LR) WILL DISENGAGE THE TPC CONTROLLER. AT THAT POINT ALL THREE PUMPS WILL GO TO 100% OUTPUT.
 A MANUAL RESET SWITCH WILL DISENGAGE THE LATCHING RELAY AND RETURN CONTROL BACK TO THE TPC SYSTEM.



PUMP WIRING DIAGRAM
 SCALE: NONE

CONSULTANTS: MICHIGAN

PROJECT NAME: DETROIT COUNTRY DAY MI

THAW-PAK DISTRIBUTOR: PERFORMANCE engineering group

DRAWN BY: Gordon Faustich
 REVIEWED BY: AD
 APPROVED BY: AD

ISSUED FOR

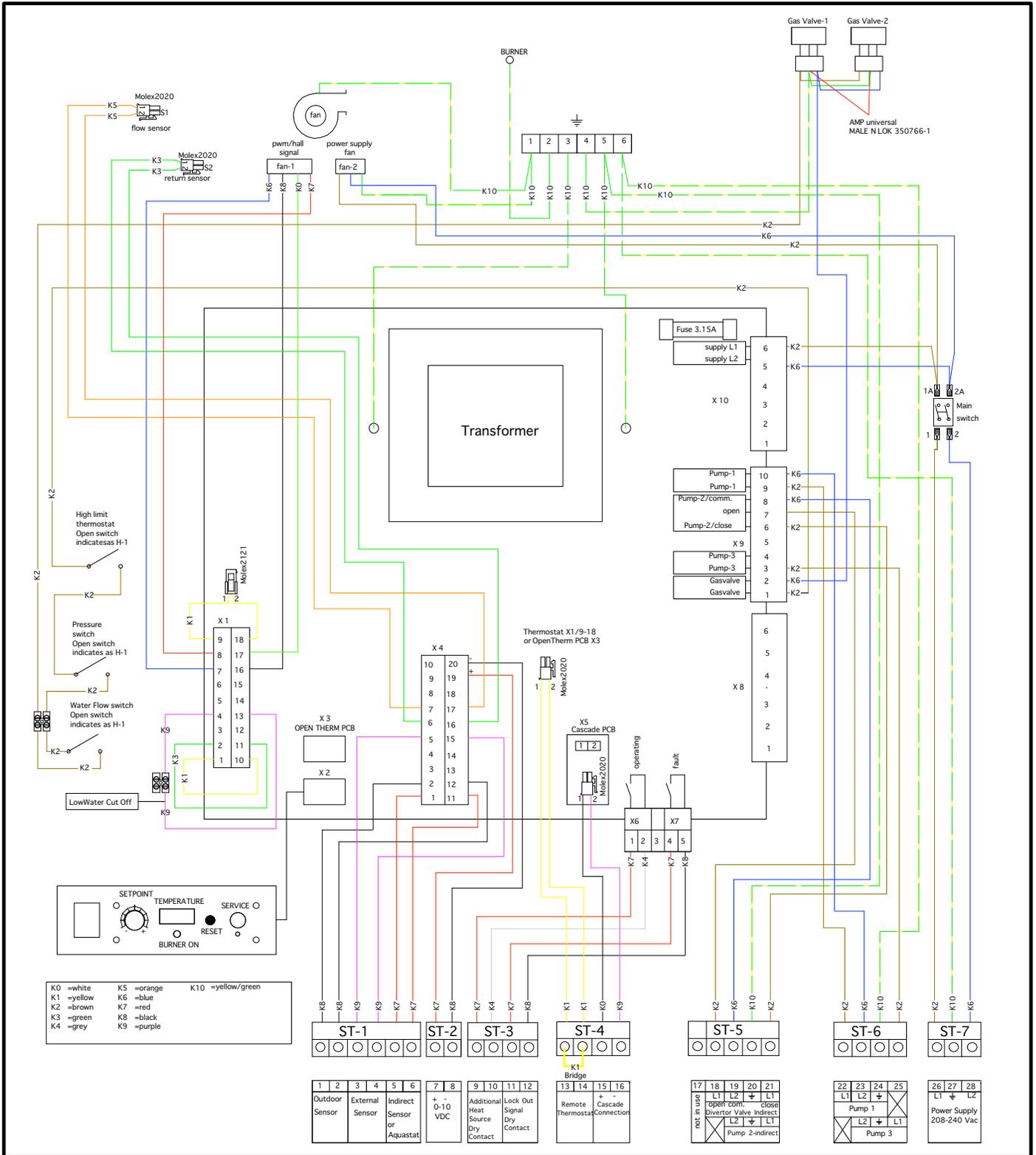
09/04/12	SUBMITTED
10/01/12	ADDED PUMPS
10/08/12	MOVED NC TO NO
01/10/13	ADDED EMERGENCY CONTROL

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DRAWING NO. TPC CONTROLS WITH EV0s_D

SHEET NO. E2

UNIVERSAL WIRING DIAGRAM



34000 Autry St.
Livonia, MI 48150

PH: (800) 968-5530
Fax: (734) 419-0209

Dwg. No.:
Checked. By:

Dwg. By: Date: 03/23/09 Scale: NTS

Customer:

Description: Universal Wiring Diagram
HW 79 - 599