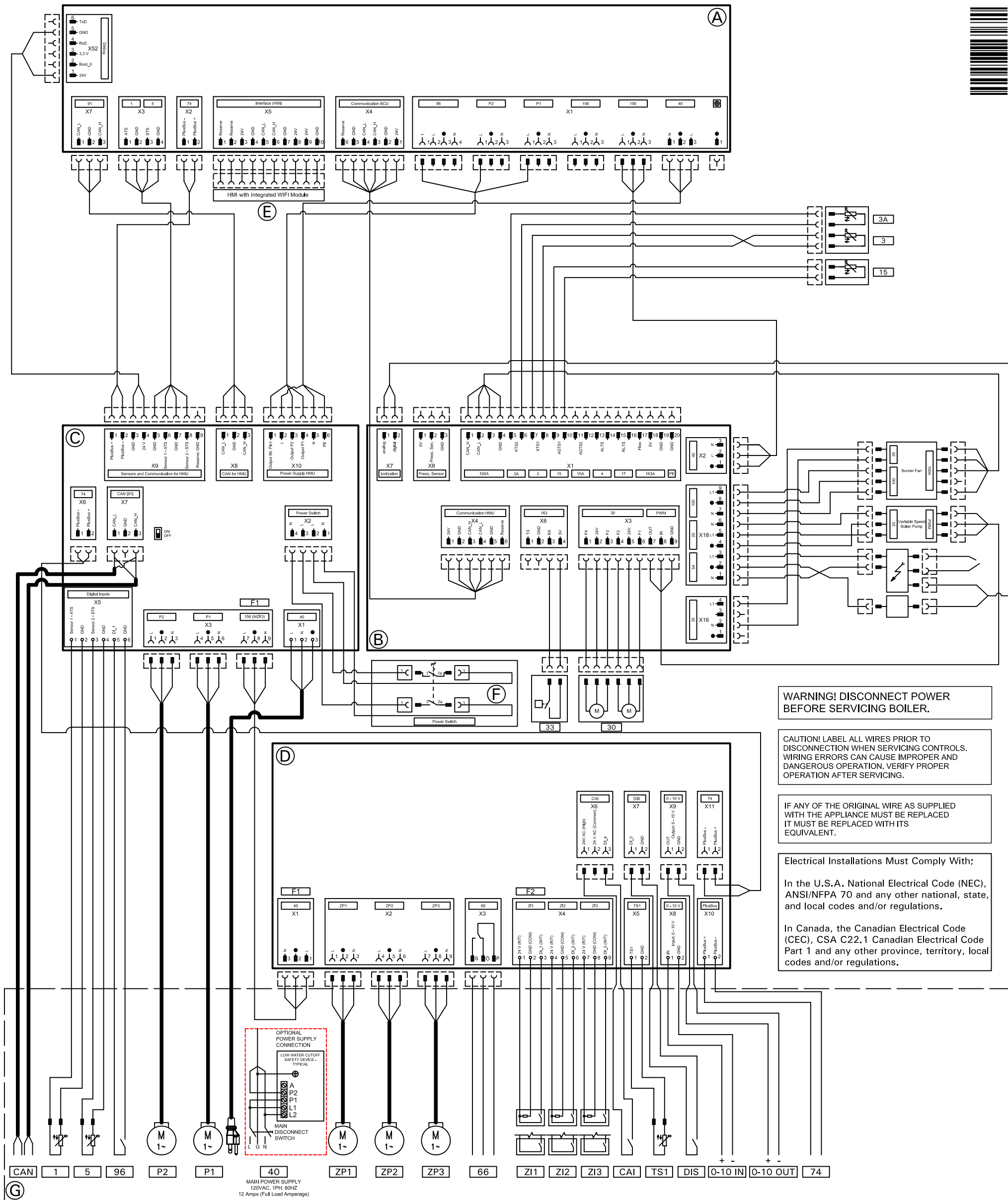
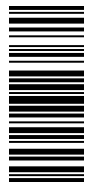


Vitodens 200-W, B2HE Models 85/120/150/199



WARNING! DISCONNECT POWER BEFORE SERVICING BOILER.

CAUTION! LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED IT MUST BE REPLACED WITH ITS EQUIVALENT.

Electrical Installations Must Comply With;
In the U.S.A. National Electrical Code (NEC), ANSI/NFPA 70 and any other national, state, and local codes and/or regulations.
In Canada, the Canadian Electrical Code (CEC), CSA C22.1 Canadian Electrical Code Part 1 and any other province, territory, local codes and/or regulations.

MAIN POWER SUPPLY
120VAC, 1PH, 60HZ
12 Amps (Full Load Amperage)

① HMU Control Board	1 Outdoor Temperature Sensor	96 Configurable Dry Contact Input*	Z12 Zone Input 2 (24VAC/Dry Contact/LGP Switch)*
② BCU Control Board	3 Boiler Temperature Sensor 1	100 Burner Fan Motor Power Supply	Z13 Zone Input 3 (24VAC/Dry Contact/HGP Switch)*
③ WP Control Board	3A Boiler Temperature Sensor 2	100A Burner Fan Motor Speed Control	ZP1 Zone Pump 1
④ MZIO Control Board	5 DHW Temperature Sensor/Dry Contact	156 120VAC Output	ZP2 Zone Pump 2
⑤ HMI With WIFI Module	11 Ionization Signal	0-10 IN 0-10 VDC External Setpoint Demand	ZP3 Zone Pump 3
⑥ Power Switch	15 Flue Gas Temperature Sensor	0-10 OUT 0-10 VDC Output Signal	F1 Fuse, 6.3A (slow), 120V
⑦ Field Wiring Connections	20 Variable Speed Boiler Pump (Internal)	CAI Combustion Air Interlock	F2 Fuse, 1A (slow), 120V
	30 Diverting Valve Stepper Motor	CAN [91] CANBus Connection (Cascade)	
	33 Boiler Flow Switch	DIS Digital Input Signal	
	35 Gas Valve	PWM Internal Pump Speed Control	
	40 Power Supply	P1 DHW Pump/Heating 1 Circuit Pump*	
	54 Ignition Transformer	P2 Heating Circuit 1 Pump/DHW Re-Circulation Pump*	
	66 Potential Free Switching Contact**	TS1 LLH Temperature Sensor	
	74 PlusBus Communication	Z11 Zone Input 1 (24VAC/Dry Contact/LWCO)*	

*FUNCTIONALITY AUTOMATICALLY SET BASED ON SYSTEM CONFIGURATION SELECTED IN THE COMMISSIONING ASSISTANT
**FUNCTIONALITY SELECTED IN PARAMETER SETTINGS

