

VITOLIGNO 300-C VL3C-32-48

ECOTRONIC - WEATHER COMPENSATED DIGITAL BOILER CONTROL

Electrical Installations Must Comply With;

In the U.S.A. National Electrical Code (NEC), ANSI/NFPA 70 and and 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.

WARNING! DISCONNECT POWER BEFORE SERVICING BOILER.

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

IF ANY OF THE ORIGINAL WIRES AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, IT MUST BE REPLACED WITH IT'S EQUIVALENT.

F1 - FUSE, T10A/250VAC
F2 - FUSE, T10A/250VAC
F3 - FUSE, T10A/250VAC
F4 - FUSE, T10A/250VAC

ECOTRONIC INTERNAL CONNECTIONS

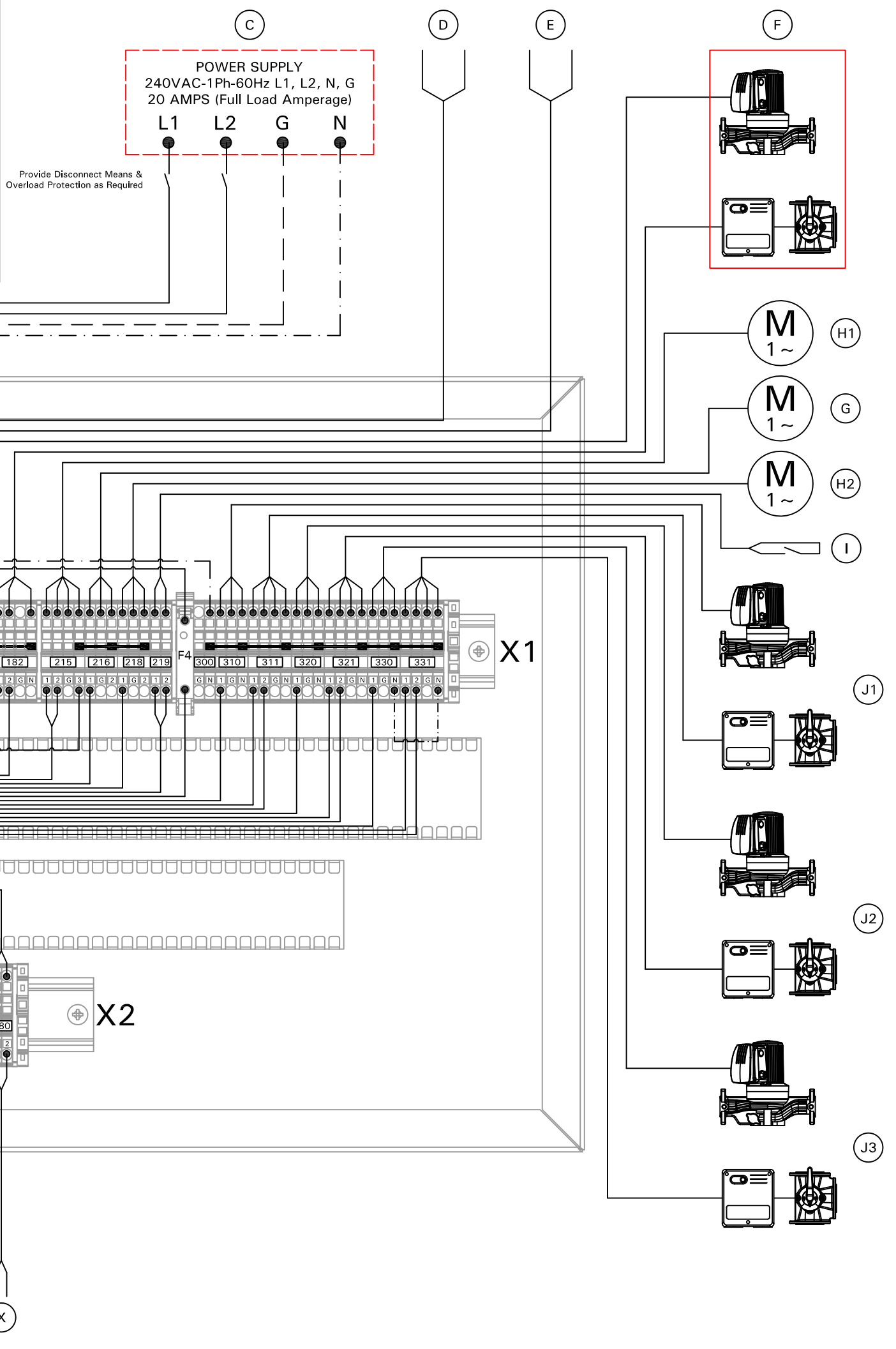
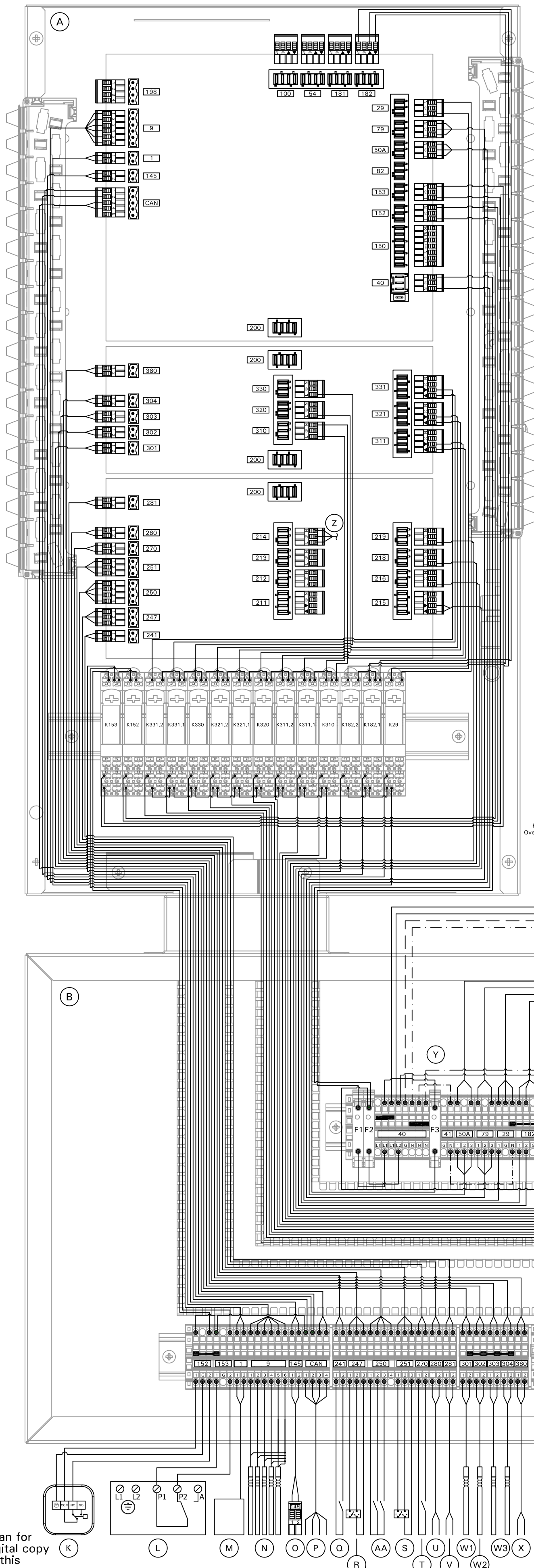
2	BOILER SUPPLY TEMPERATURE SENSOR ¹
15	FLUE GAS TEMPERATURE SENSOR ¹
17	BOILER RETURN TEMPERATURE SENSOR ¹
54	IGNITION
100	FLUE GAS FAN
100A	FLUE GAS FAN - SPEED FEEDBACK ¹
150	FIXED HIGH LIMIT
198	LAMBDA PROBE
200	CONTROL BOARD INTERCONNECTION
203	PRIMARY AIR DAMPER ¹
204	SECONDARY AIR DAMPER ¹
211	FINNED GRATE
212	ASH REMOVAL SCREW CONVEYOR
213	PELLET FEED SCREW CONVEYOR

¹CONTROL BOARD DETAILS ARE AVAILABLE IN THE INSTALLATION AND SERVICE MANUAL

- (A) ECOTRONIC DIGITAL BOILER CONTROL
- (B) JUNCTION BOX
- (C) POWER SUPPLY 240-1-60 L1/L2/N/G
- (D) ALARM OUTPUT - DRY CONTACT**
- (E) SECONDARY HEAT GENERATOR ACTIVATION - DRY CONTACT**
- (F) LOW TEMPERATURE PROTECTION PACKAGE
- (G) FLEXIBLE AUGER MOTOR 120VAC*
- (H1) ROOM DISCHARGE AUTOMATIC CHANGEOVER UNIT 240VAC*
- (H2) ROOM DISCHARGE AUGER SUPPLY SYSTEM MOTOR 240VAC*
- (I) EXTERNAL CHARGING - DRY CONTACT*
- (J1) CONNECTION GROUP A1 120VAC**
- (J2) CONNECTION GROUP A2 120VAC**
- (J3) CONNECTION GROUP A3 120VAC**
- (K) ANCILLARY SAFETY EQUIPMENT**
- (L) LOW WATER CUTOFF - TYPICAL
- (M) OUTDOOR TEMPERATURE SENSOR
- (N) BUFFER TANK MANAGEMENT SENSORS**
- (O) KMBUS COMMUNICATION**
- (P) CANBUS COMMUNICATION**
- (Q) PELLET STORAGE ROOM DOOR SAFETY SWITCH - DRY CONTACT*
- (R) PELLET LEVEL SENSOR - STORAGE ROOM*
- (S) PELLET LEVEL SENSOR - FLEXIBLE SCREW*
- (T) EXTERNAL DEMAND - DRY CONTACT*
- (U) EXTERNAL INPUT SIGNAL (0-10VDC OR 0-20mA)**
- (V) PERFORMANCE FEEDBACK OUTPUT (0-10VDC)**
- (W1) SUPPLY TEMPERATURE SENSOR CONNECTION GROUP A1**
- (W2) SUPPLY TEMPERATURE SENSOR CONNECTION GROUP A2**
- (W3) SUPPLY TEMPERATURE SENSORS CONNECTION GROUP A3**
- (X) SOLAR PUMP SPEED SET POINT SIGNAL (PWM)**
- (Y) FIELD SUPPLIED AND INSTALLED JUMPERS LINE VOLTAGE AND NEUTRAL - MIN. WIRE SIZE 14AWG
- (Z) CONNECTION TO VACUUM MODULE**
- (AA) AUTOMATIC SWITCH OVER UNIT POSITION SENSOR*

*CONNECTION IS DEPENDANT ON FUEL EXTRACTION SYSTEM BEING USED

**OPTIONAL ACCESSORIES THAT MAY OR MAY NOT BE USED DEPENDING ON SYSTEM DESIGN



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