



KEY TO DIAGRAM

- |       |   |                                                       |
|-------|---|-------------------------------------------------------|
| X1    | - | BURNER TERMINAL RAIL                                  |
| X2    | - | 7 POLE CONNECTOR                                      |
| X4    | - | 4 POLE CONNECTOR                                      |
| S1    | - | ON/OFF SWITCH                                         |
| S2    | - | LOCKOUT RE-SET SWITCH                                 |
| S8    | - | 1 <sup>st</sup> STAGE / 2 <sup>nd</sup> STAGE SWITCH  |
| H1    | - | OPERATION LIGHT                                       |
| H2    | - | LOCK-OUT SIGNAL LIGHT                                 |
| H3    | - | REMOTE LOCKOUT LIGHT                                  |
| H4    | - | REMOTE BURNER RUN LIGHT                               |
| H17   | - | MOTOR LIGHT                                           |
| H18   | - | 2 <sup>nd</sup> STAGE LAMP                            |
| TA    | - | IGNITION TRANSFORMER                                  |
| B1    | - | PHOTOCELL                                             |
| K1    | - | FAN MOTOR CONTACTOR                                   |
| F1    | - | THERMAL RELAY                                         |
| YS    | - | SAFETY OIL SOLENOID VALVE                             |
| MV    | - | MOTOR                                                 |
| TS    | - | SAFETY THERMOSTAT                                     |
| TC    | - | CONTROL THERMOSTAT                                    |
| T2    | - | SECOND STAGE THERMOSTAT                               |
| SQN72 | - | AIR DAMPER MOTOR                                      |
| GR2   | - | BRAHMA CONTROL BOX                                    |
| Z     | - | FILTER                                                |
| Y1 Y2 | - | 1 <sup>st</sup> OIL VALVE & 2 <sup>nd</sup> OIL VALVE |
| BR    | - | BLINDING RELAY                                        |

1 50Hz 230V  
PERMANENT LIVE  
FOR FAN MOTOR



B1