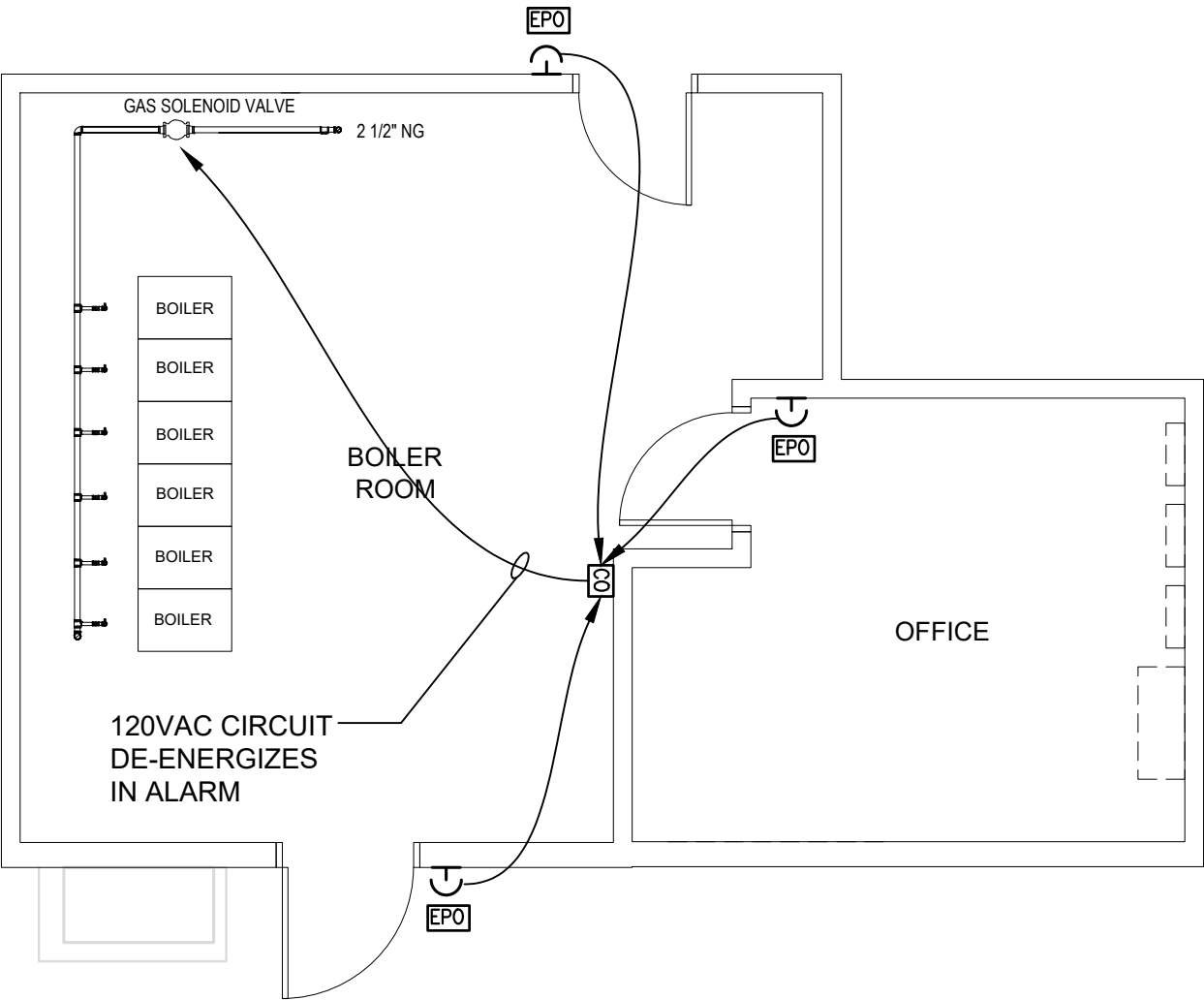
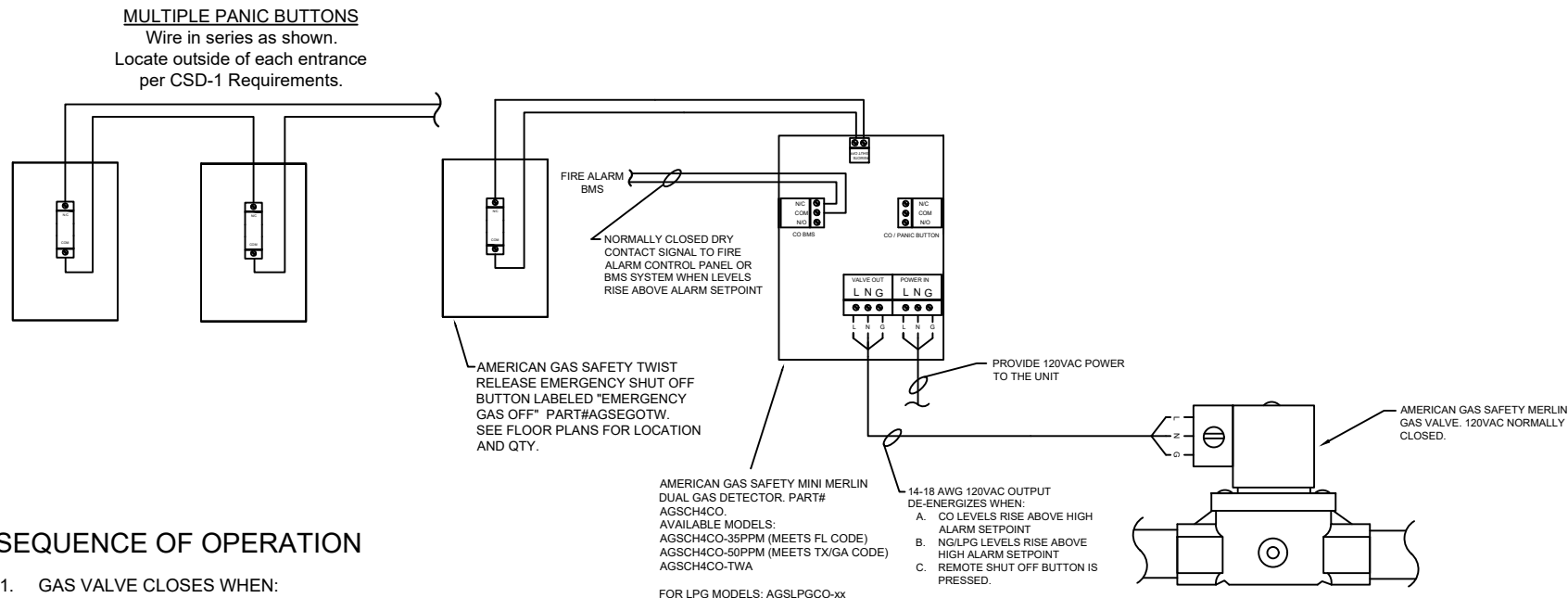


EMERGENCY GAS SHUTDOWN ROOM LAYOUT

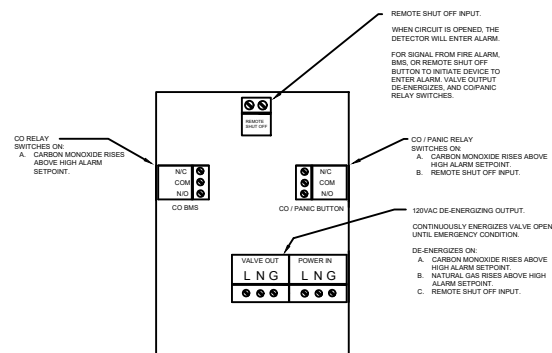
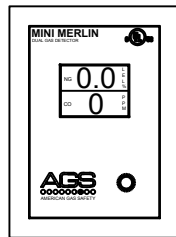
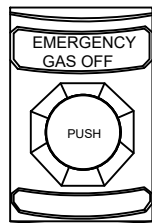


EMERGENCY GAS SHUTDOWN DETAIL



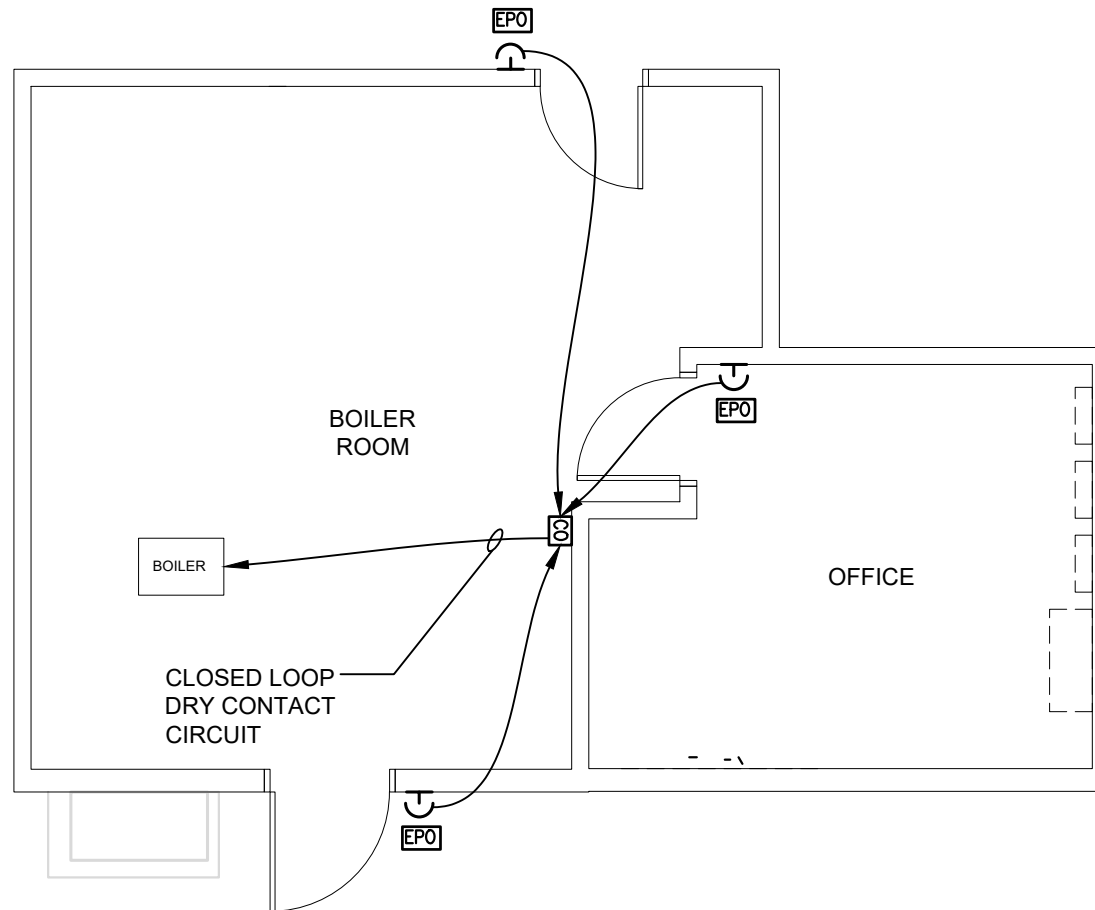
SEQUENCE OF OPERATION

1. GAS VALVE CLOSSES WHEN:
 - 1.1. CARBON MONOXIDE RISES ABOVE HIGH ALARM SETPOINT.
 - 1.2. NG/LPG RISES ABOVE HIGH ALARM SETPOINT.
 - 1.3. REMOTE EMERGENCY SHUTOFF BUTTON IS PRESSED.
 - 1.3.1. PLACE REMOTE SHUTOFF BUTTONS OUTSIDE OF EACH ENTRANCE PER CSD-1 REQUIREMENTS.
2. SIGNAL TO FIRE ALARM OR BMS
 - 2.1. CO LEVELS RISE ABOVE HIGH ALARM SETPOINT

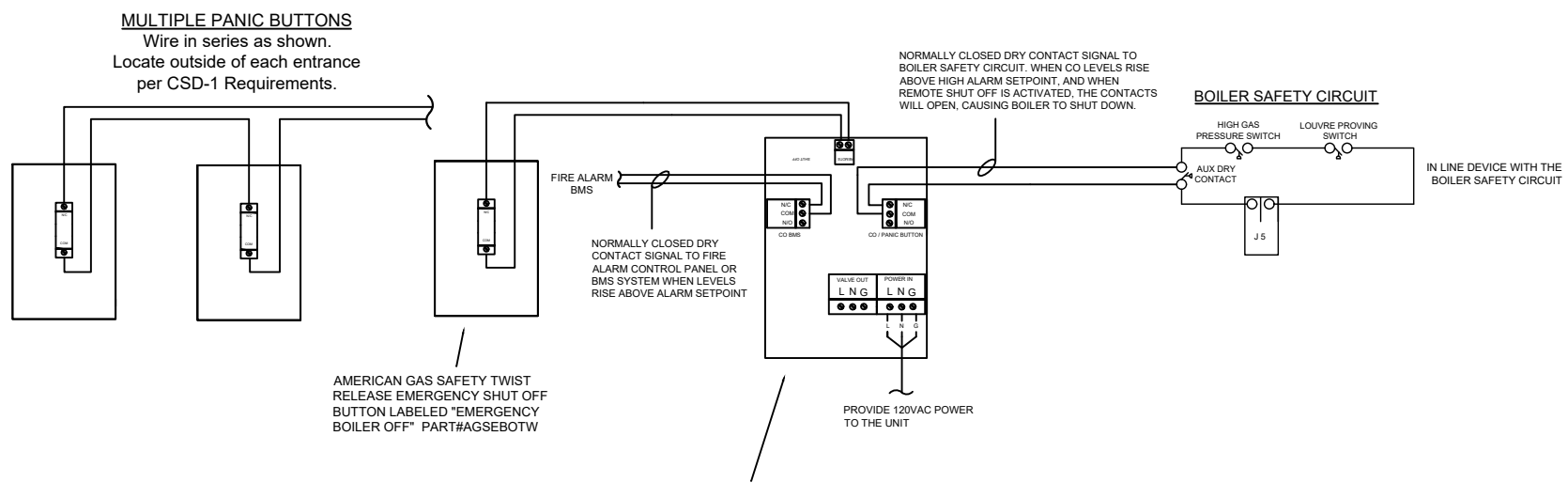


CIRCUIT BOARD OVERVIEW

EMERGENCY BOILER SHUTDOWN LAYOUT - ONE BOILER

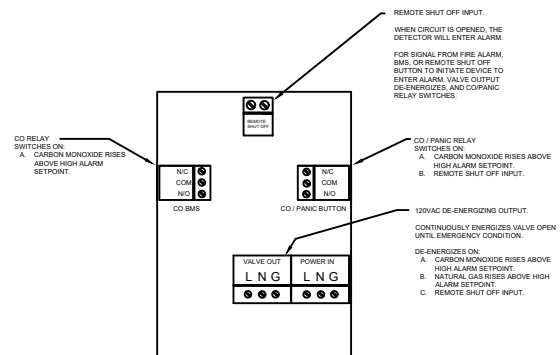
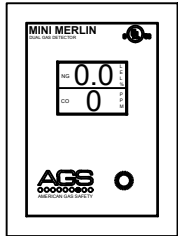
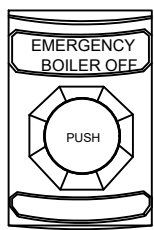


EMERGENCY BOILER SHUTDOWN DETAIL - ONE BOILER



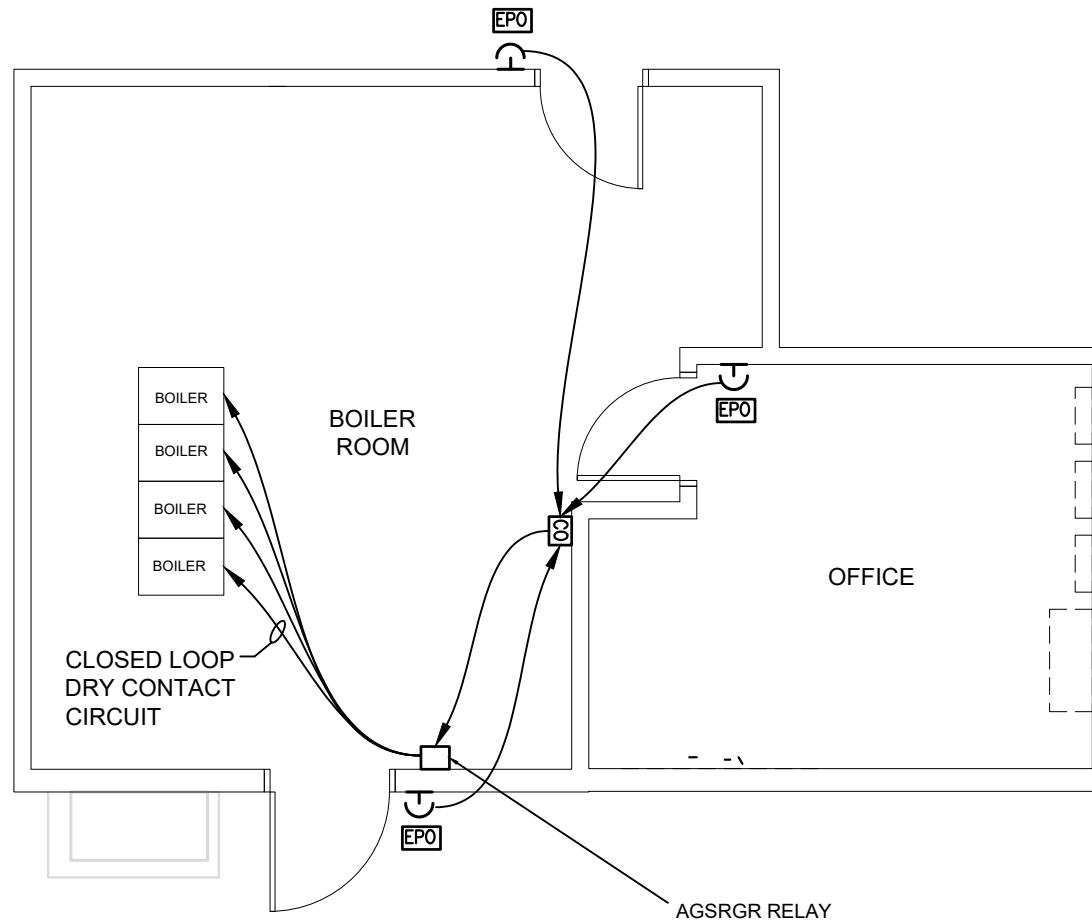
SEQUENCE OF OPERATION

1. BOILER SHUTS DOWN VIA SAFETY CIRCUIT WHEN
 - 1.1. CARBON MONOXIDE RISES ABOVE HIGH ALARM SETPOINT
 - 1.2. REMOTE EMERGENCY SHUTOFF BUTTON IS PRESSED.
 - 1.2.1. PLACE REMOTE SHUTOFF BUTTONS OUTSIDE OF EACH ENTRANCE PER CSD-1 REQUIREMENTS.
2. SIGNAL TO FIRE ALARM OR BMS
 - 2.1. CO LEVELS RISE ABOVE HIGH ALARM SETPOINT

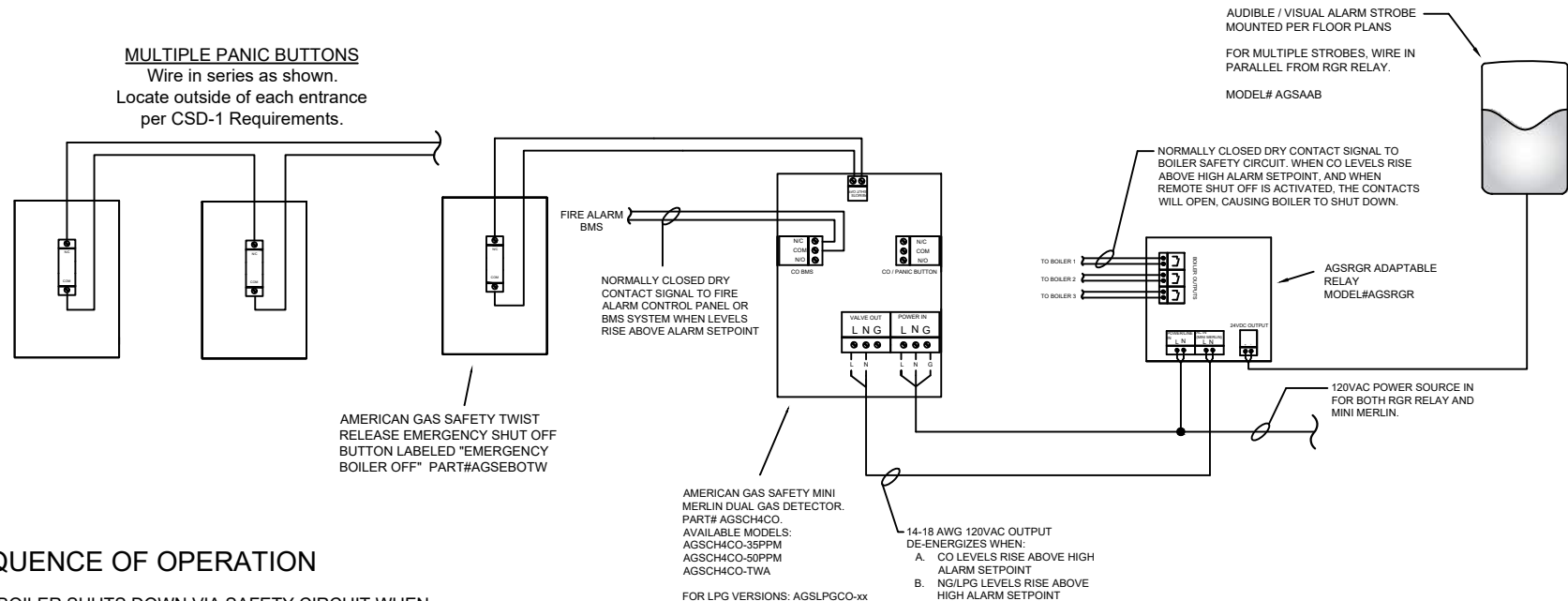


CIRCUIT BOARD OVERVIEW

EMERGENCY BOILER SHUTDOWN DETAIL - MULTIPLE BOILERS

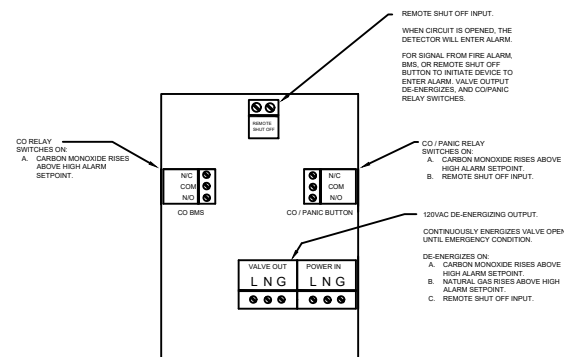
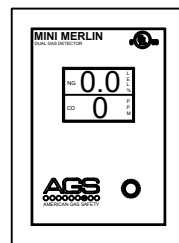
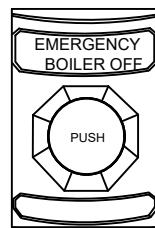


EMERGENCY BOILER SHUTDOWN DETAIL - MULTIPLE BOILERS



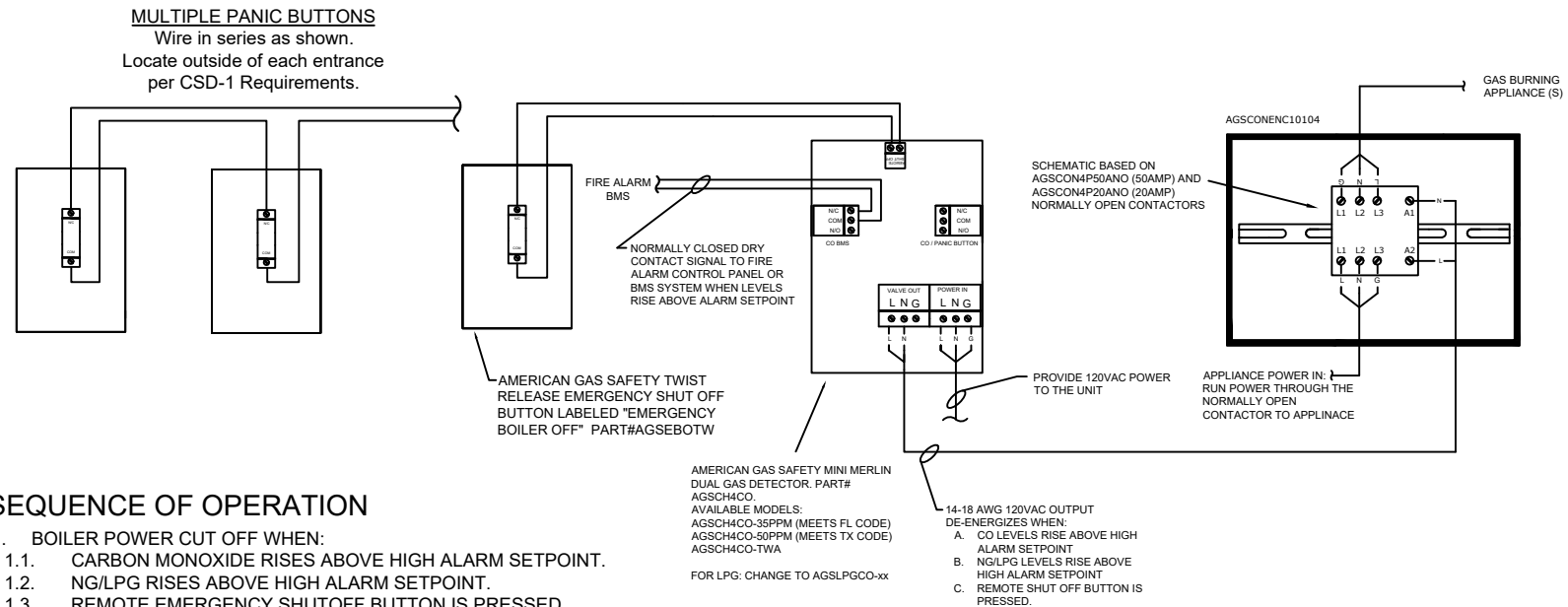
SEQUENCE OF OPERATION

1. BOILER SHUTS DOWN VIA SAFETY CIRCUIT WHEN
 - 1.1. CARBON MONOXIDE RISES ABOVE HIGH ALARM SETPOINT.
 - 1.2. NATURAL GAS / LPG RISES ABOVE HIGH ALARM SETPOINT
 - 1.3. REMOTE EMERGENCY SHUTOFF BUTTON IS PRESSED.
 - 1.3.1. PLACE REMOTE SHUTOFF BUTTONS OUTSIDE OF EACH ENTRANCE PER CSD-1 REQUIREMENTS.
2. SIGNAL TO FIRE ALARM OR BMS
 - 2.1. CO LEVELS RISE ABOVE HIGH ALARM SETPOINT



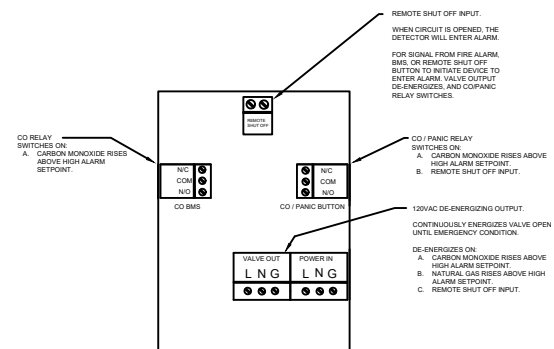
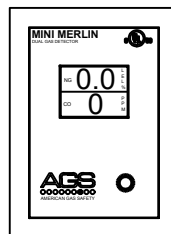
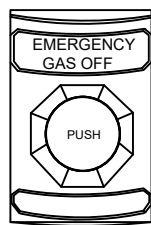
CIRCUIT BOARD OVERVIEW

EMERGENCY BOILER POWER SHUTDOWN DETAIL



SEQUENCE OF OPERATION

1. BOILER POWER CUT OFF WHEN:
 - 1.1. CARBON MONOXIDE RISES ABOVE HIGH ALARM SETPOINT.
 - 1.2. NG/LPG RISES ABOVE HIGH ALARM SETPOINT.
 - 1.3. REMOTE EMERGENCY SHUTOFF BUTTON IS PRESSED.
 - 1.3.1. PLACE REMOTE SHUTOFF BUTTONS OUTSIDE OF EACH ENTRANCE PER CSD-1 REQUIREMENTS.
2. SIGNAL TO FIRE ALARM OR BMS
 - 2.1. CO LEVELS RISE ABOVE HIGH ALARM SETPOINT



CIRCUIT BOARD OVERVIEW