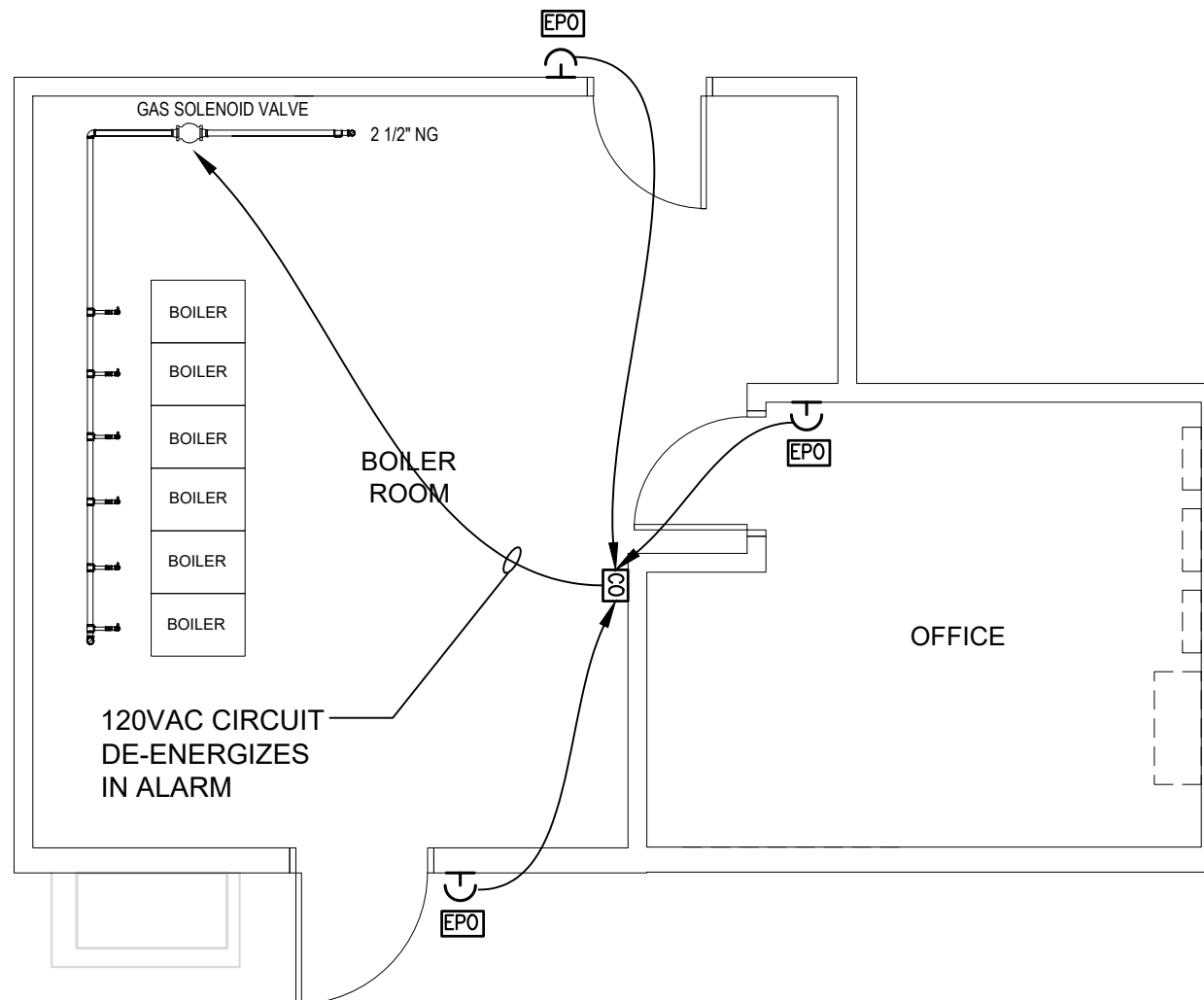
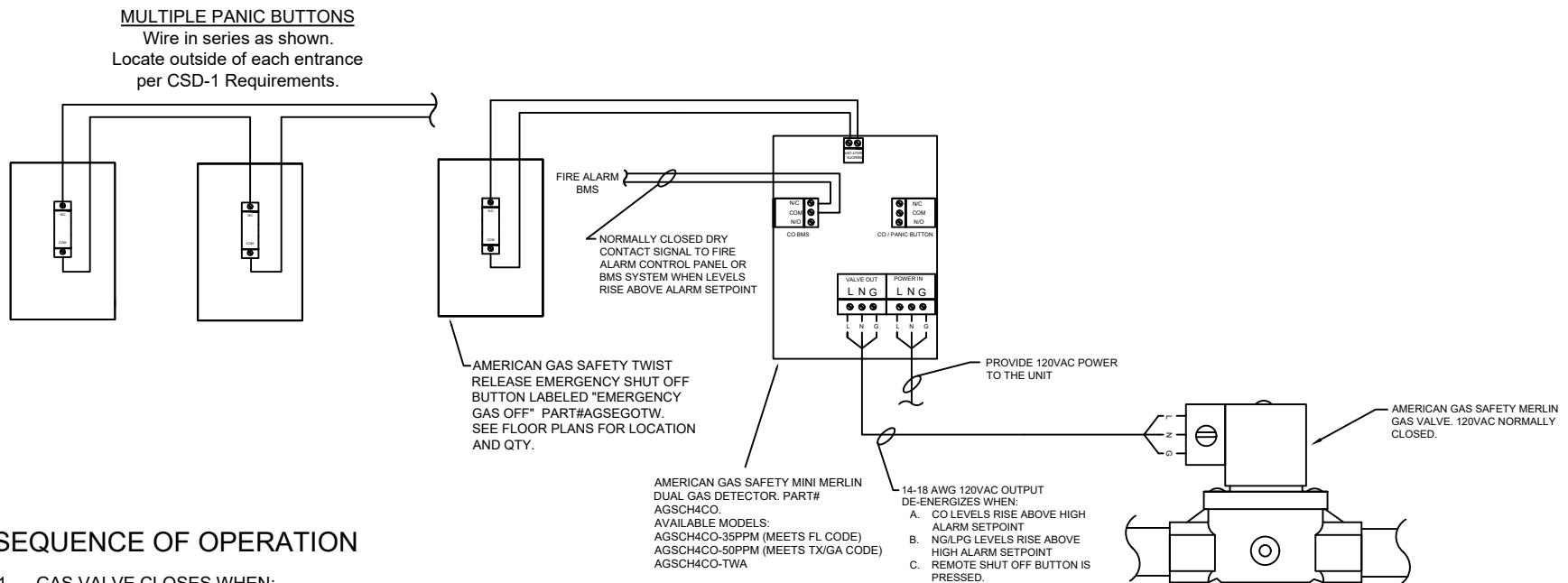


EXAMPLE ROOM LAYOUT - MINI MERLIN TO GAS SOLENOID VALVE

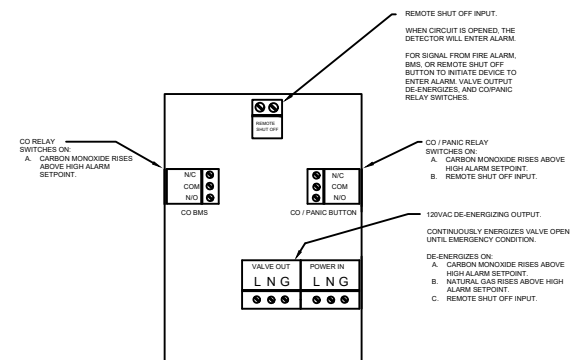
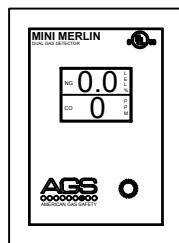
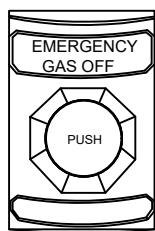


FULL WIRING DIAGRAM - MINI MERLIN TO GAS SOLENOID VALVE



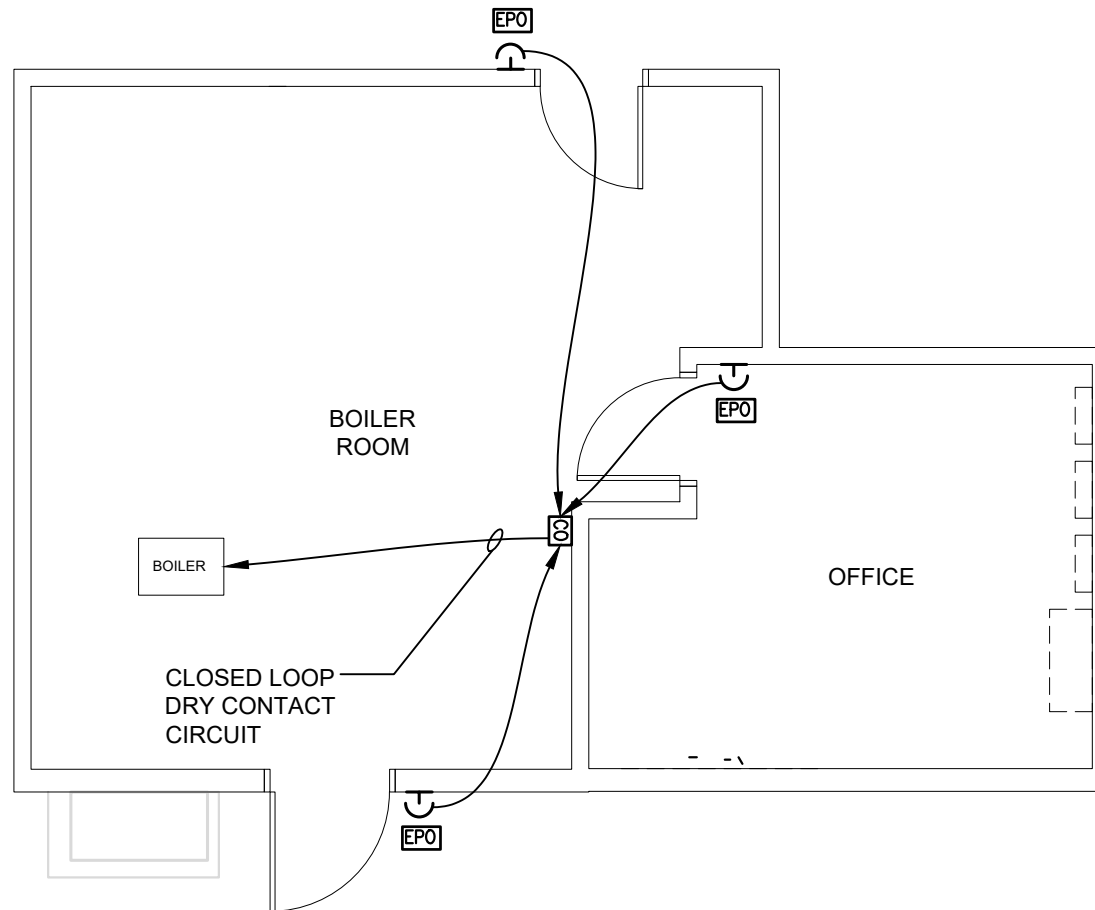
SEQUENCE OF OPERATION

1. GAS VALVE CLOSING 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

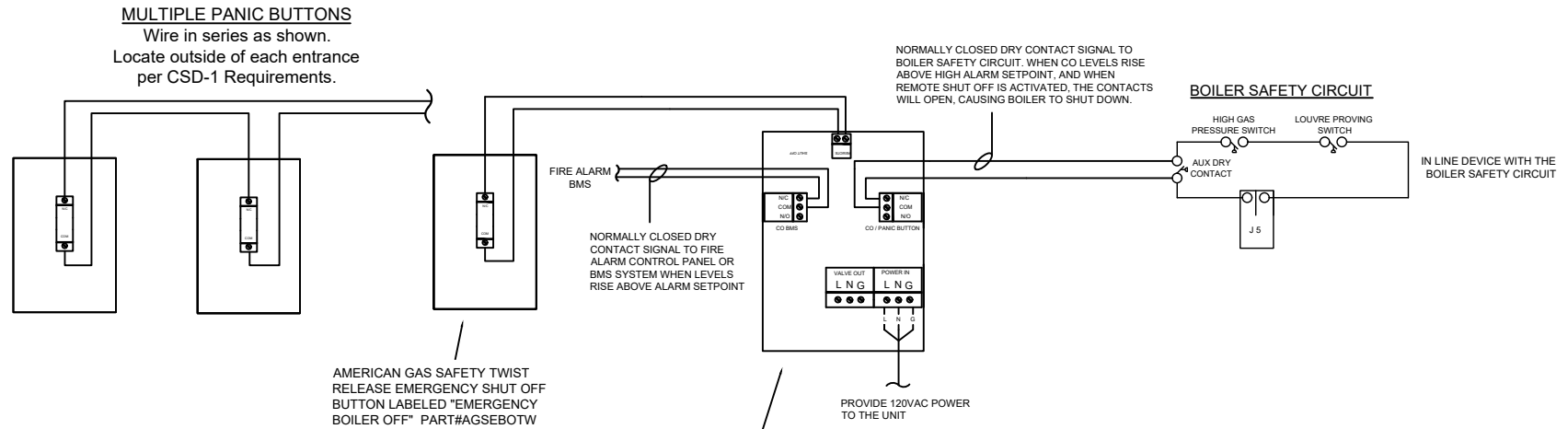


CIRCUIT BOARD OVERVIEW

EXAMPLE ROOM LAYOUT - MINI MERLIN SHUTS DOWN SINGLE BOILER VIA SAFETY CIRCUIT



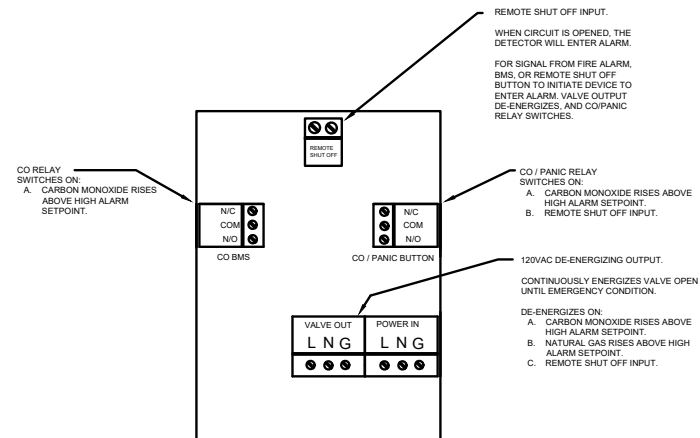
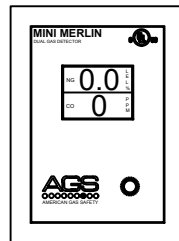
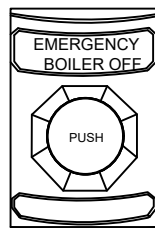
FULL WIRING DIAGRAM - MINI MERLIN SHUTS DOWN SINGLE BOILER VIA SAFETY CIRCUIT



SEQUENCE OF OPERATION

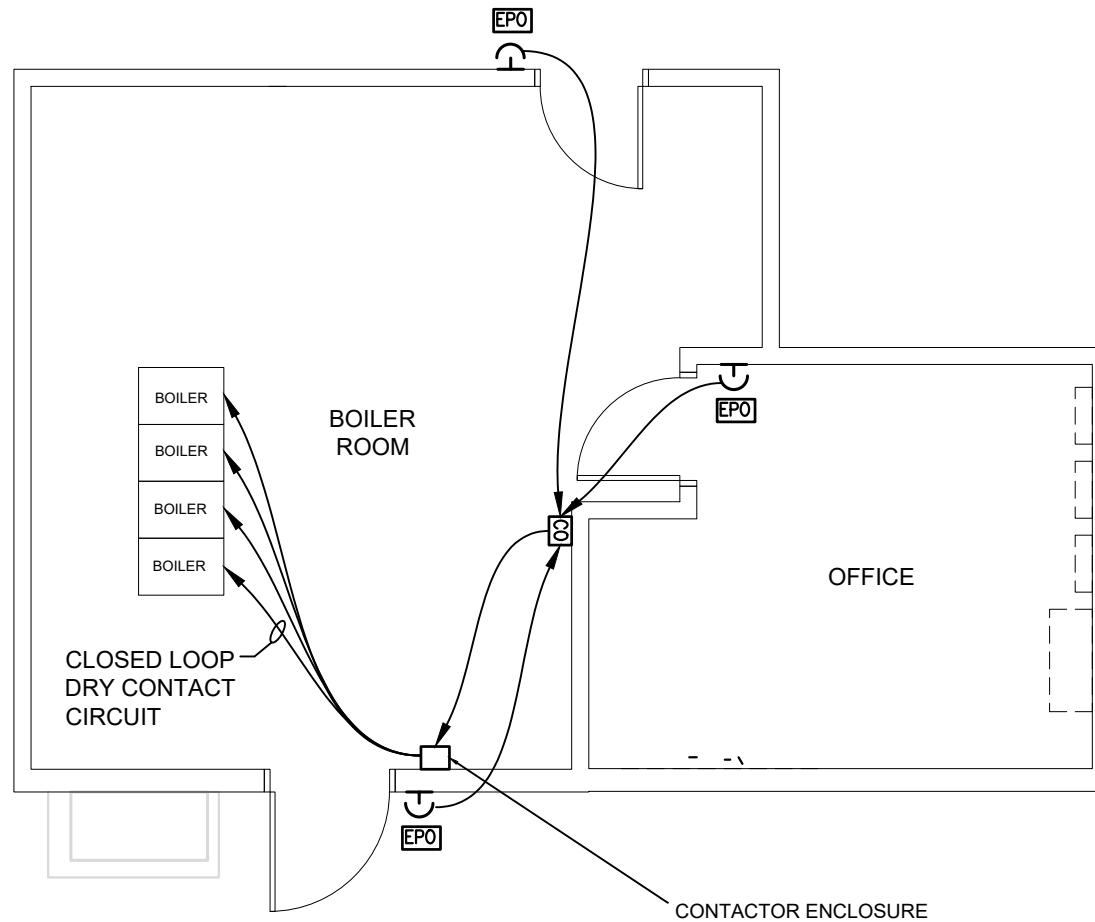
1. BOILER SHUTS DOWN VIA SAFETY CIRCUIT WHEN
 - 1.1. CARBON MONOXIDE RISES ABOVE HIGH ALARM SETPOINT
 - 1.2. REMOTE EMERGENCY SHUTOFF BUTTON IS PRESSED.
 - 1.2.1. PLACE REMOTE SHUTOFF BUTTONS OUTSIDE OF EACH ENTRANCE PER CSD-1 REQUIREMENTS.
2. SIGNAL TO FIRE ALARM OR BMS
 - 2.1. CO LEVELS RISE ABOVE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

AMERICAN GAS SAFETY MINI MERLIN DUAL GAS DETECTOR. PART# AGSCH4CO.
AVAILABLE MODELS:
AGSCH4CO-35PPM (MEETS FL CODE)
AGSCH4CO-50PPM (MEETS TX/GA CODE)
AGSCH4CO-TWA

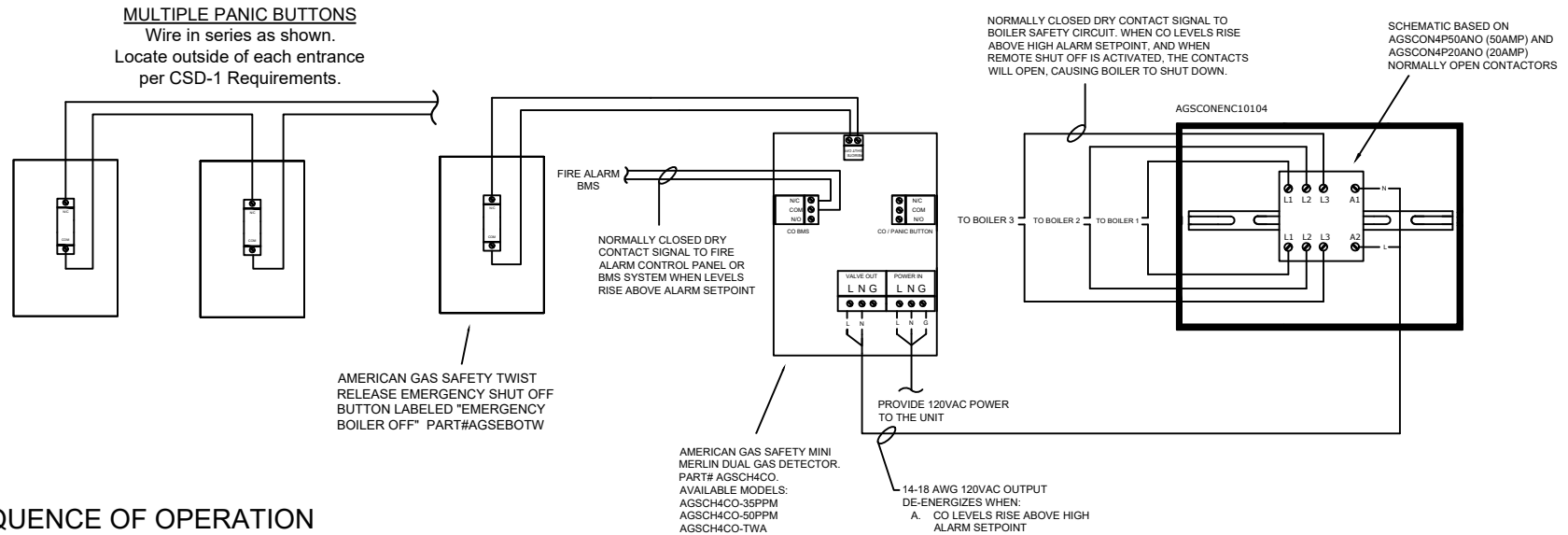


CIRCUIT BOARD OVERVIEW

EXAMPLE ROOM LAYOUT - MINI MERLIN SHUTS DOWN MULTIPLE BOILERS VIA SAFETY CIRCUIT

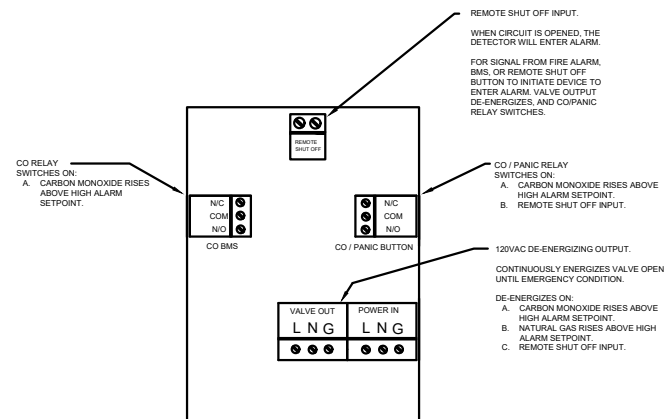
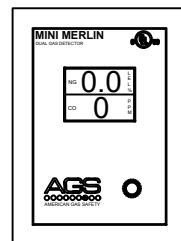
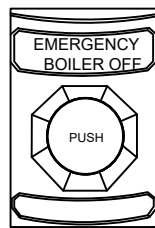


FULL WIRING DIAGRAM - MINI MERLIN SHUTS DOWN MULTIPLE BOILERS VIA SAFETY CIRCUIT



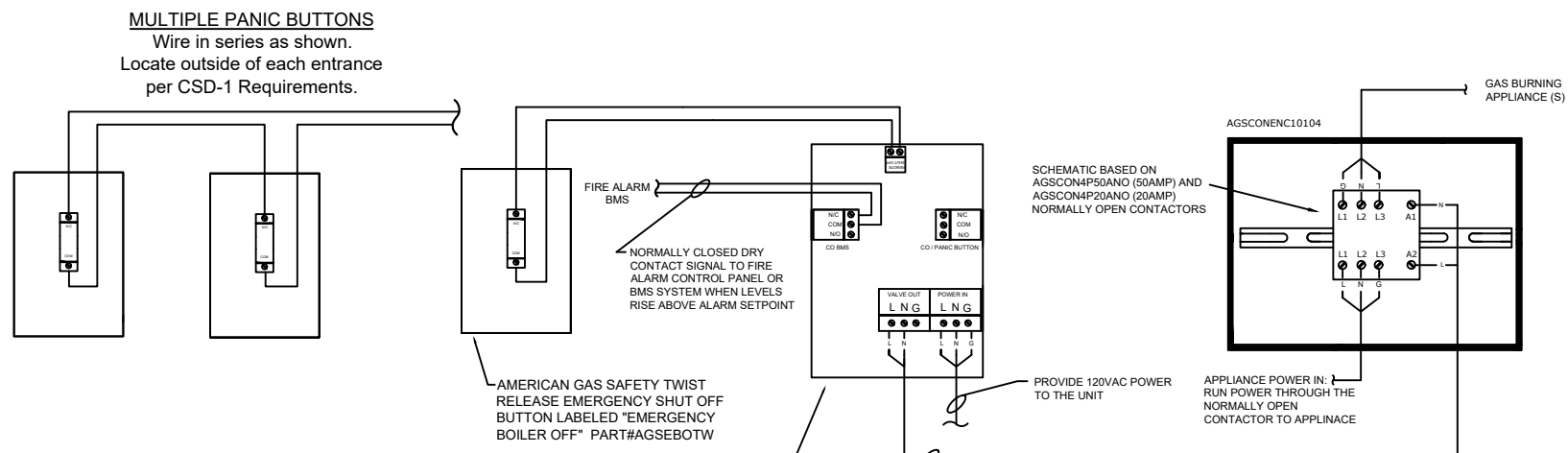
SEQUENCE OF OPERATION

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



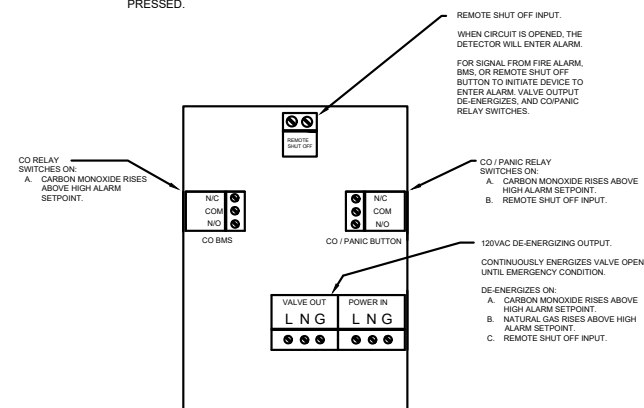
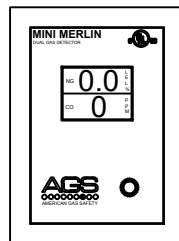
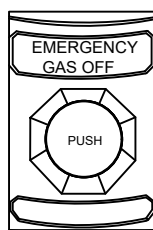
CIRCUIT BOARD OVERVIEW

FULL WIRING DIAGRAM - MINI MERLIN SHUTS OFF POWER TO BOILERS



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