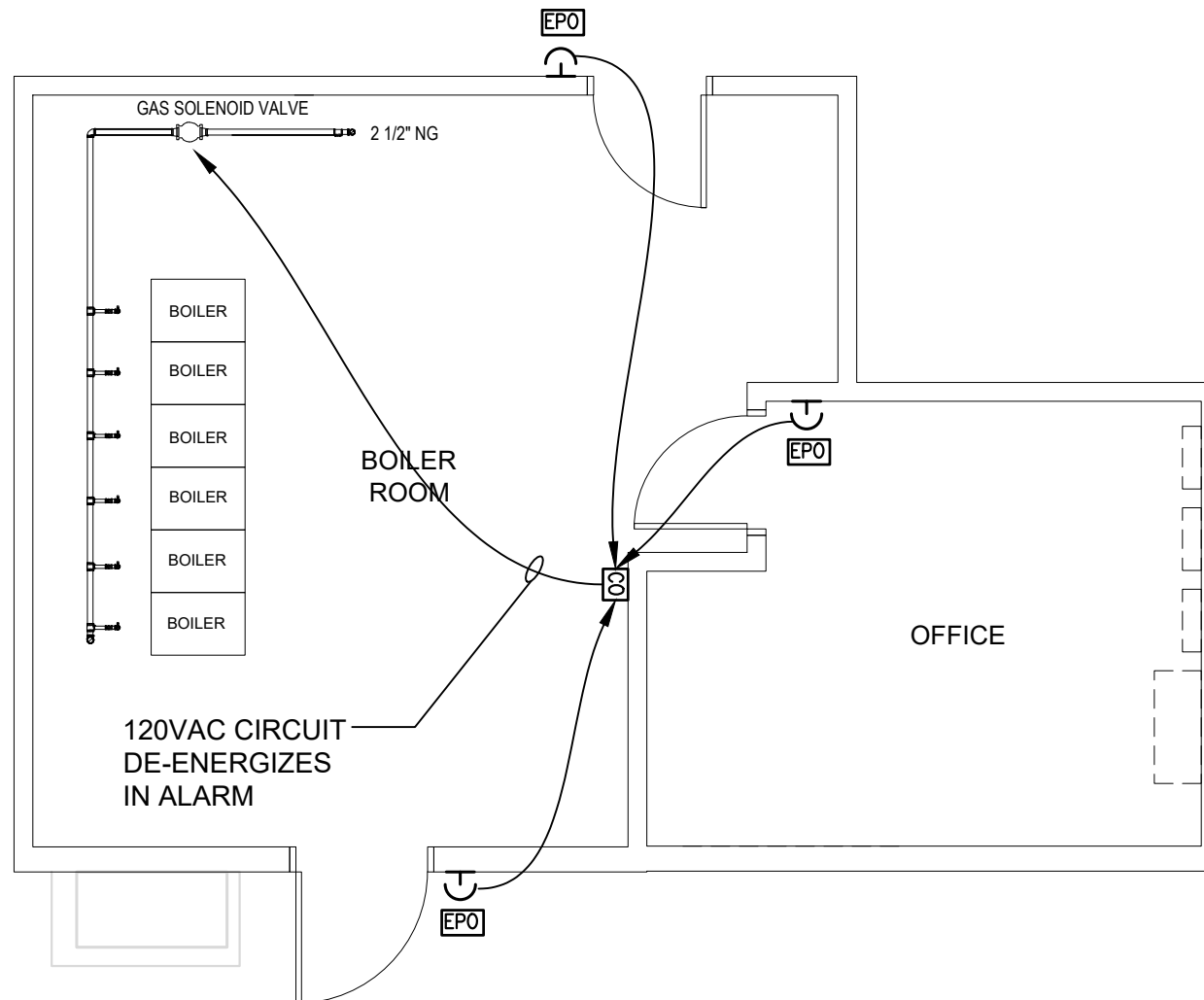
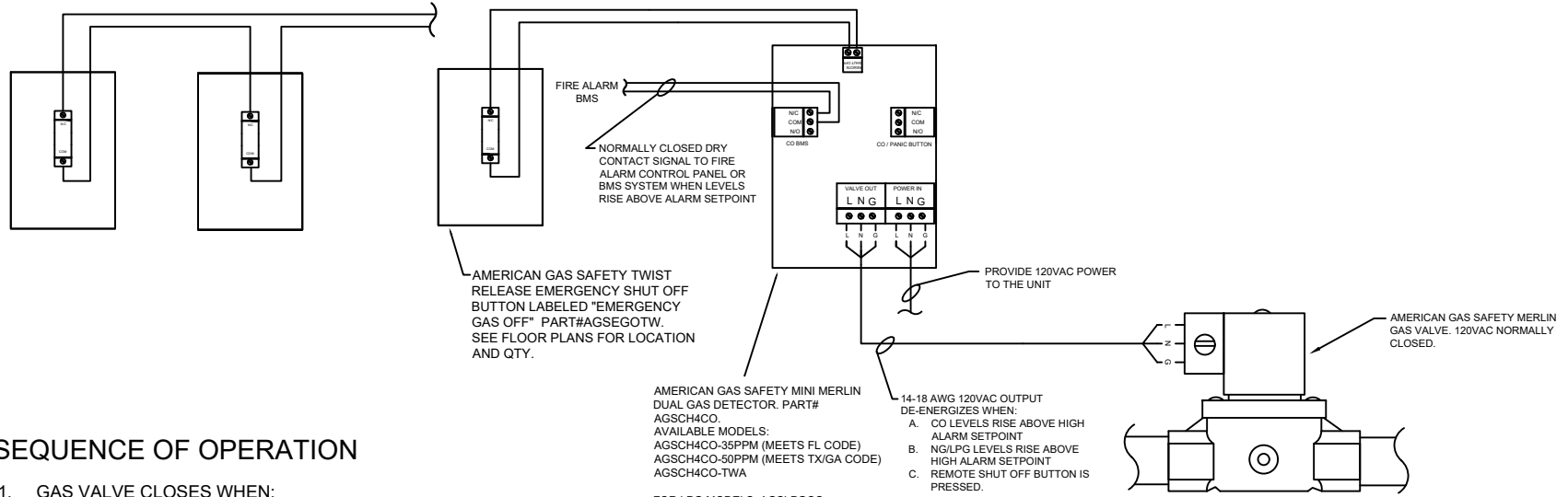


EMERGENCY GAS SHUTDOWN ROOM LAYOUT



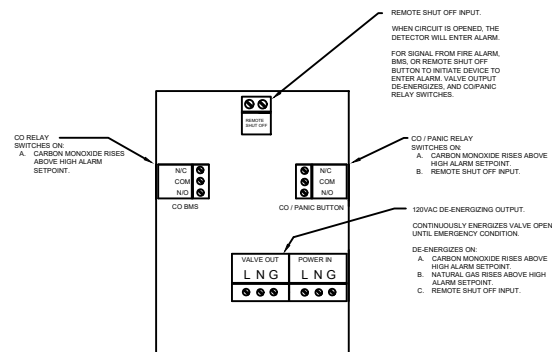
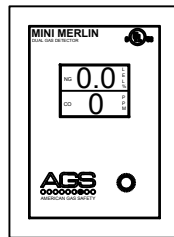
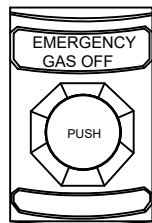
EMERGENCY GAS SHUTDOWN DETAIL

MULTIPLE PANIC BUTTONS
Wire in series as shown.
Locate outside of each entrance
per CSD-1 Requirements.



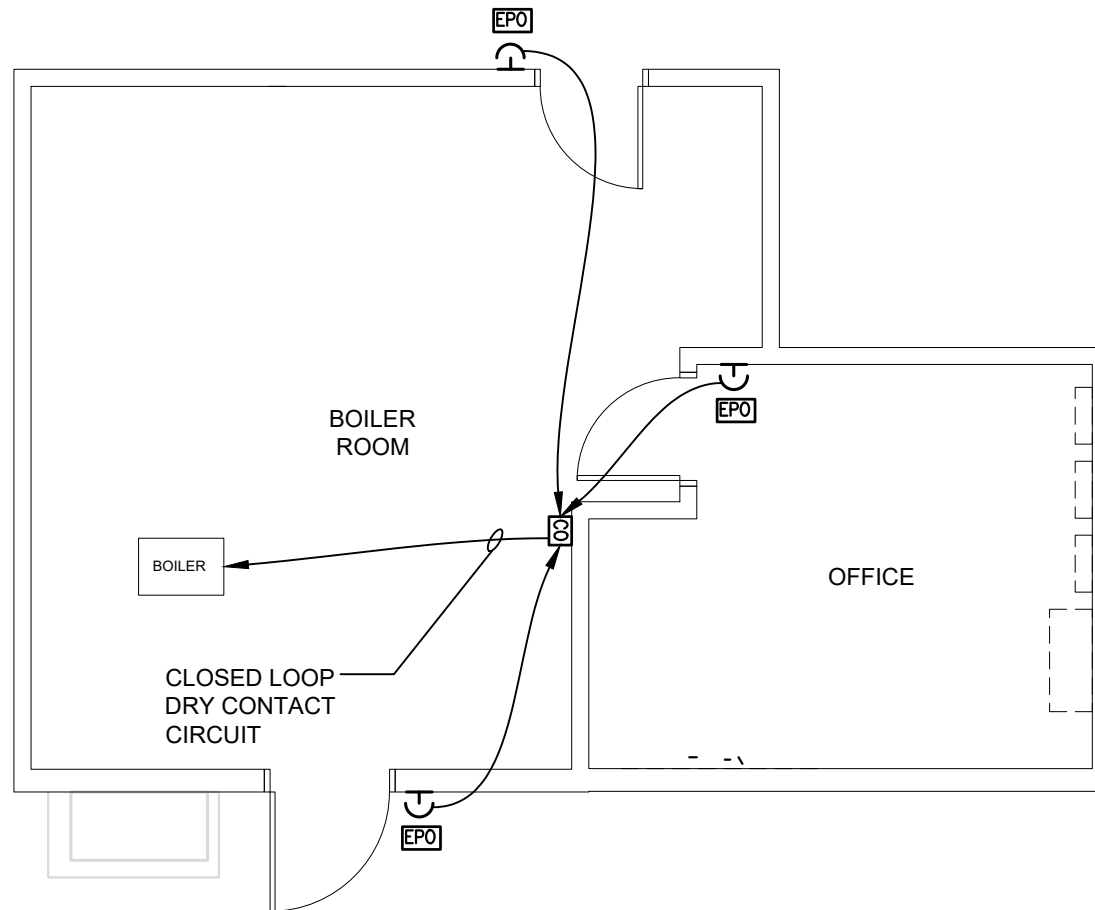
SEQUENCE OF OPERATION

1. GAS VALVE CLOSES 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

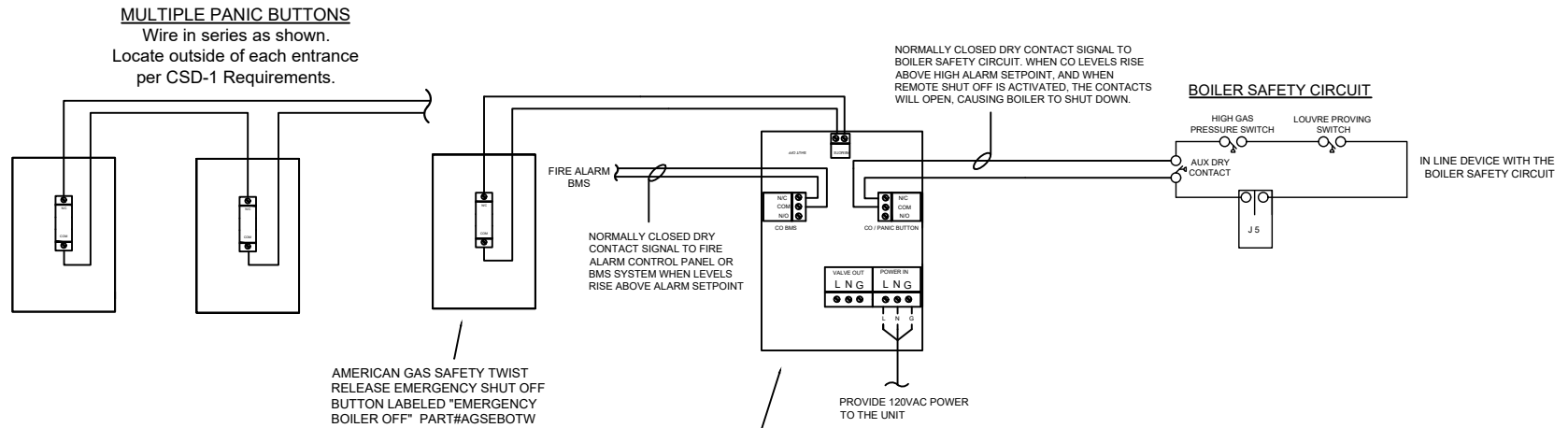


CIRCUIT BOARD OVERVIEW

BOILER SAFETY CIRCUIT SHUTDOWN LAYOUT - ONE BOILER



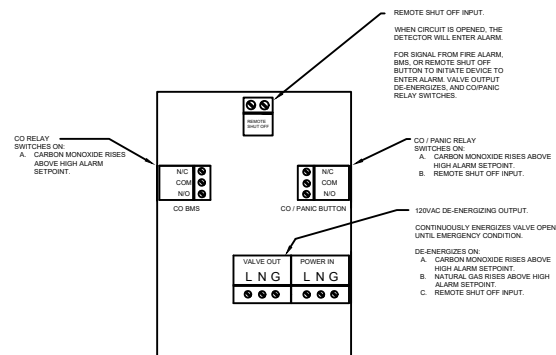
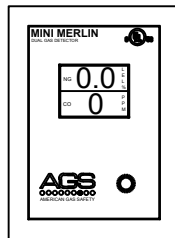
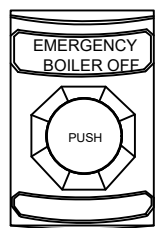
BOILER SAFETY CIRCUIT SHUTDOWN DETAIL - ONE BOILER



SEQUENCE OF OPERATION

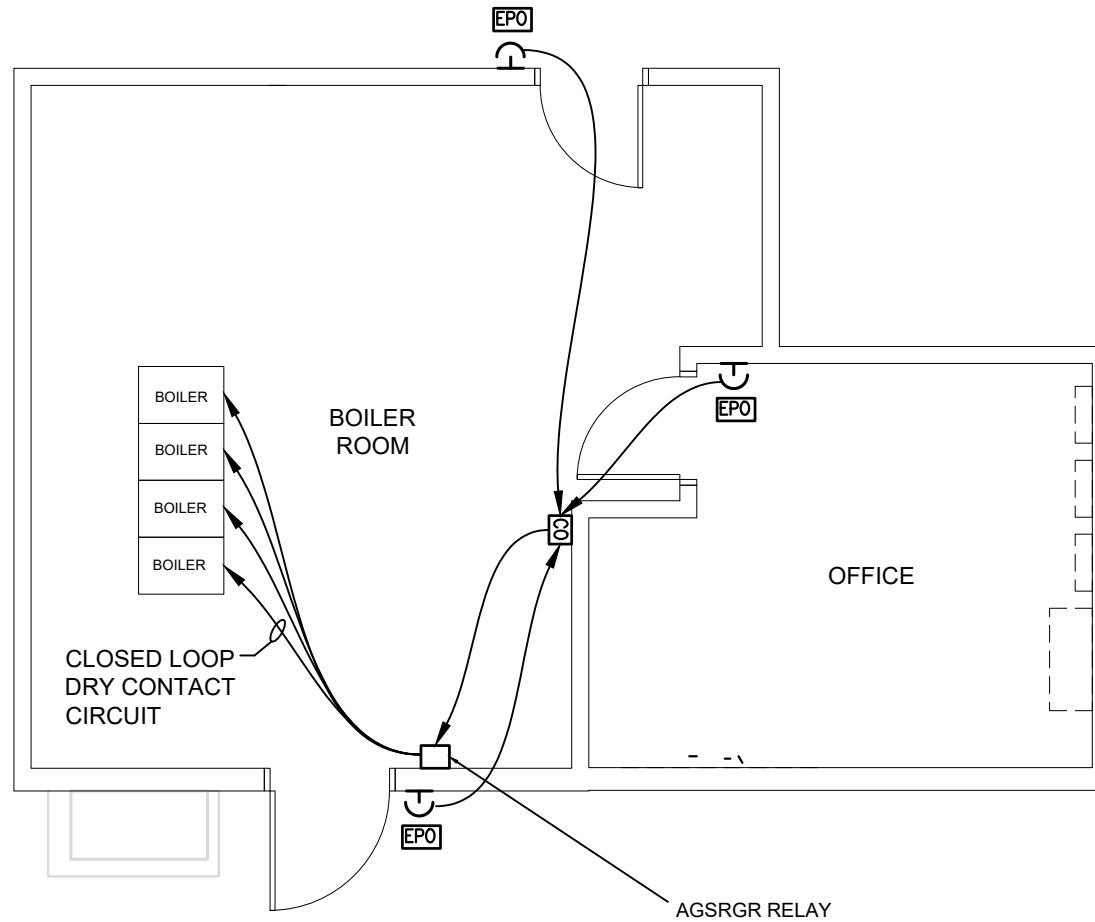
1. BOILER SHUTS DOWN VIA SAFETY CIRCUIT WHEN
 - 1.1. CARBON MONOXIDE RISES ABOVE HIGH ALARM SETPOINT
 - 1.2. REMOTE EMERGENCY SHUTOFF BUTTON IS PRESSED.
 - 1.2.1. PLACE REMOTE SHUTOFF BUTTONS OUTSIDE OF EACH ENTRANCE PER CSD-1 REQUIREMENTS.
2. SIGNAL TO FIRE ALARM OR BMS
 - 2.1. CO LEVELS RISE ABOVE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

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
FOR LPG VERSIONS: AGSLPGCO-xx

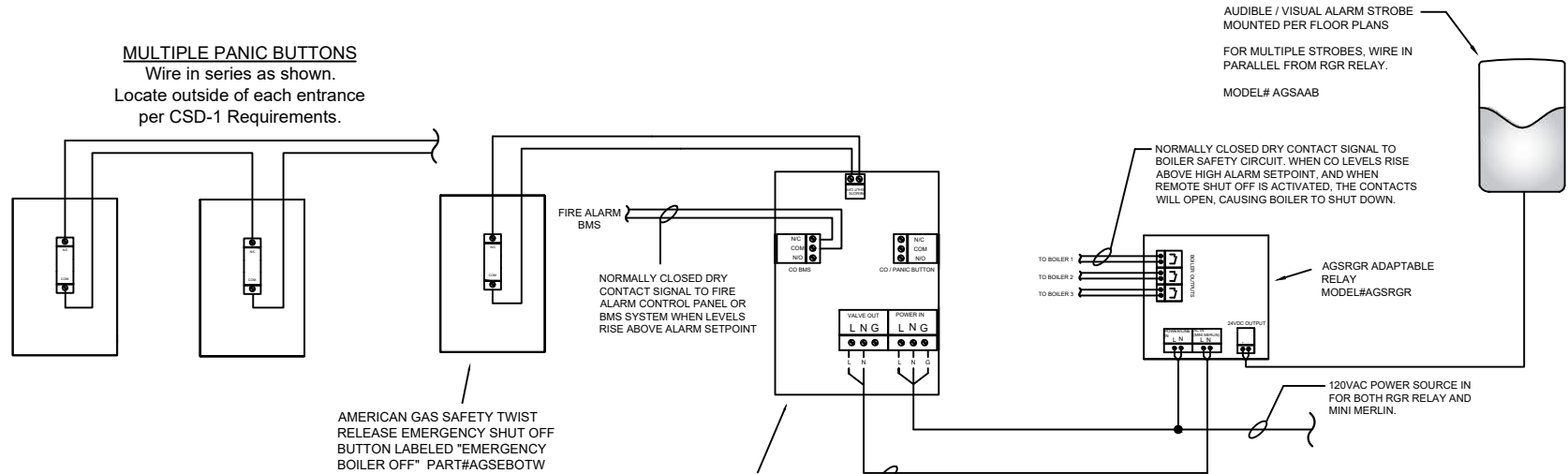


CIRCUIT BOARD OVERVIEW

BOILER SAFETY CIRCUIT SHUTDOWN DETAIL - MULTIPLE BOILERS

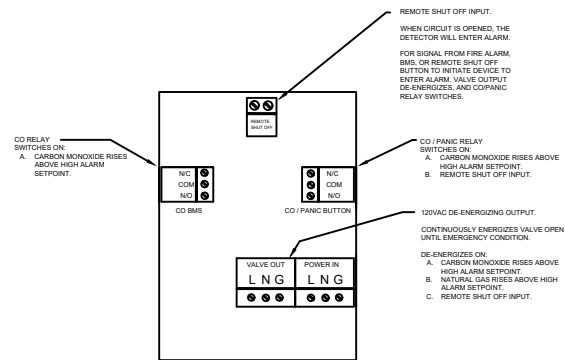
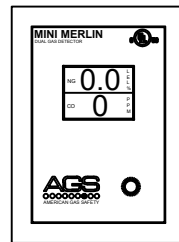
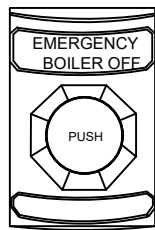


BOILER SAFETY CIRCUIT SHUTDOWN DETAIL - MULTIPLE BOILERS



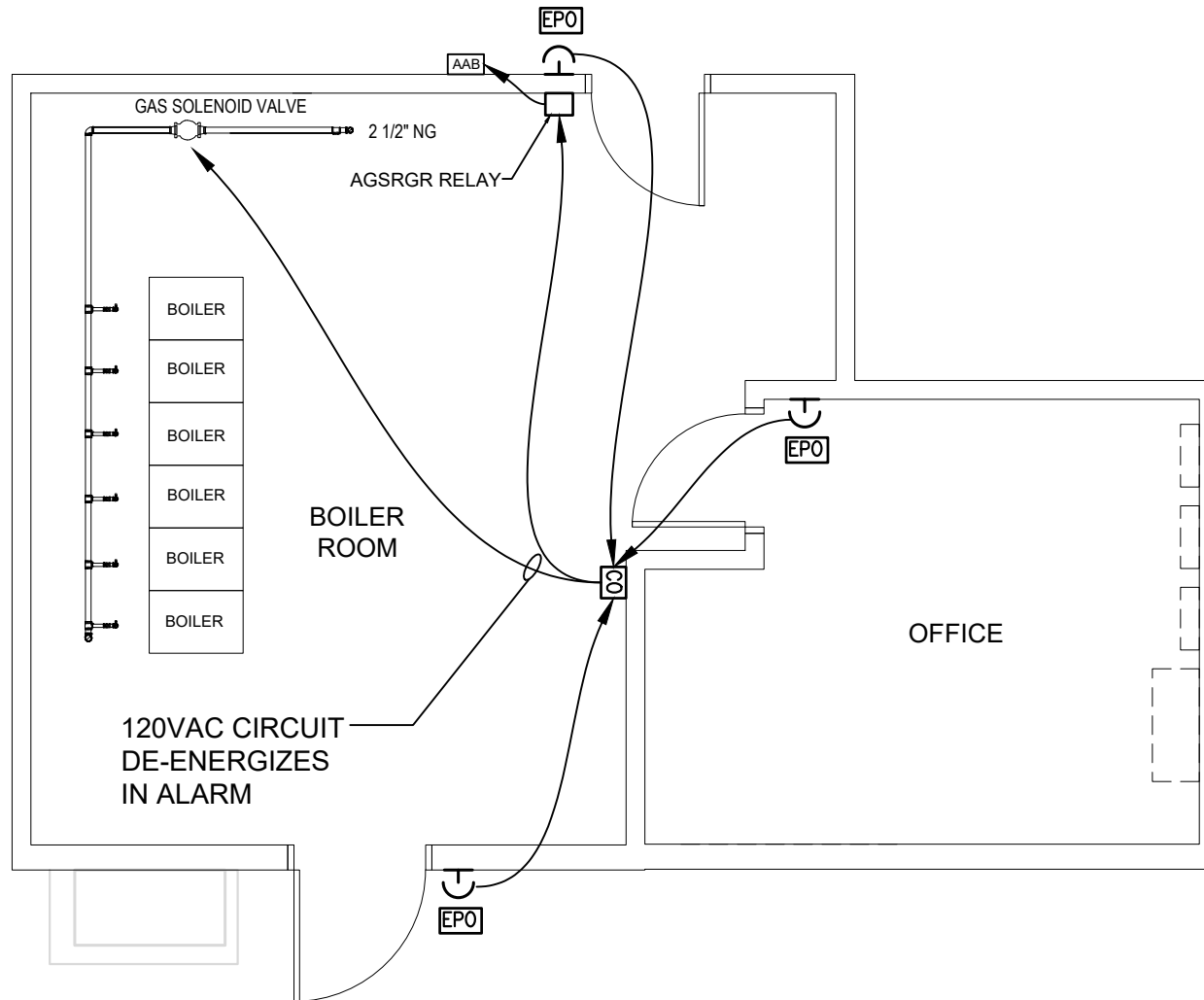
SEQUENCE OF OPERATION

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

GAS VALVE & AGSAAB ROOM WITH AGSRGR

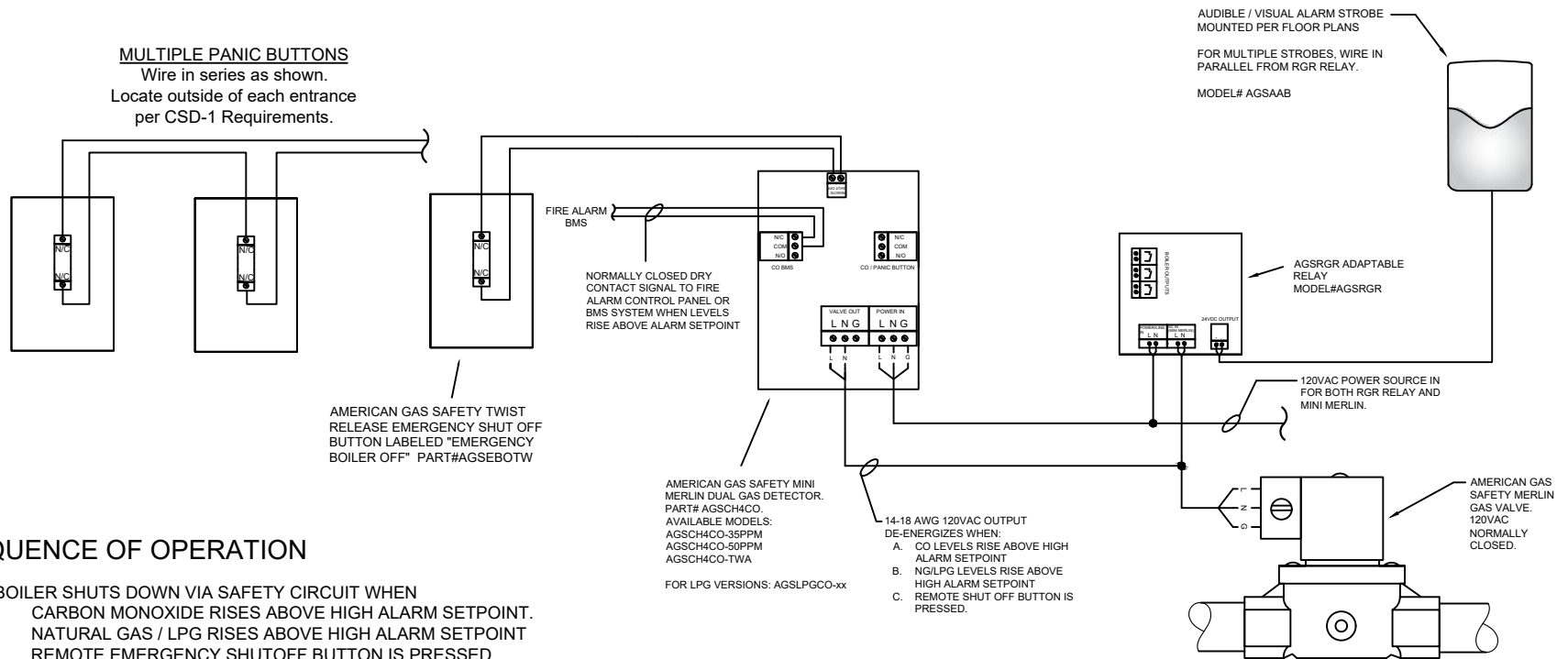


2

DETAIL - GAS MONITORING SYSTEM SOLENOID VALVE & AGSAAB

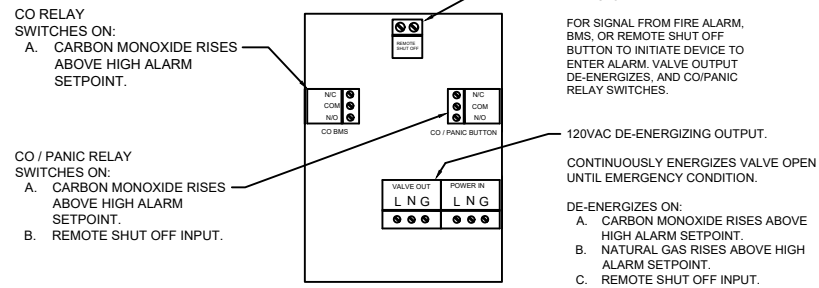
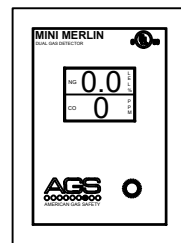
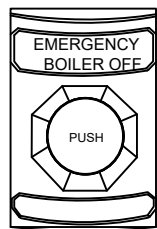
N.T.S.

GAS VALVE & AGSAAB WITH AGSRGR



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

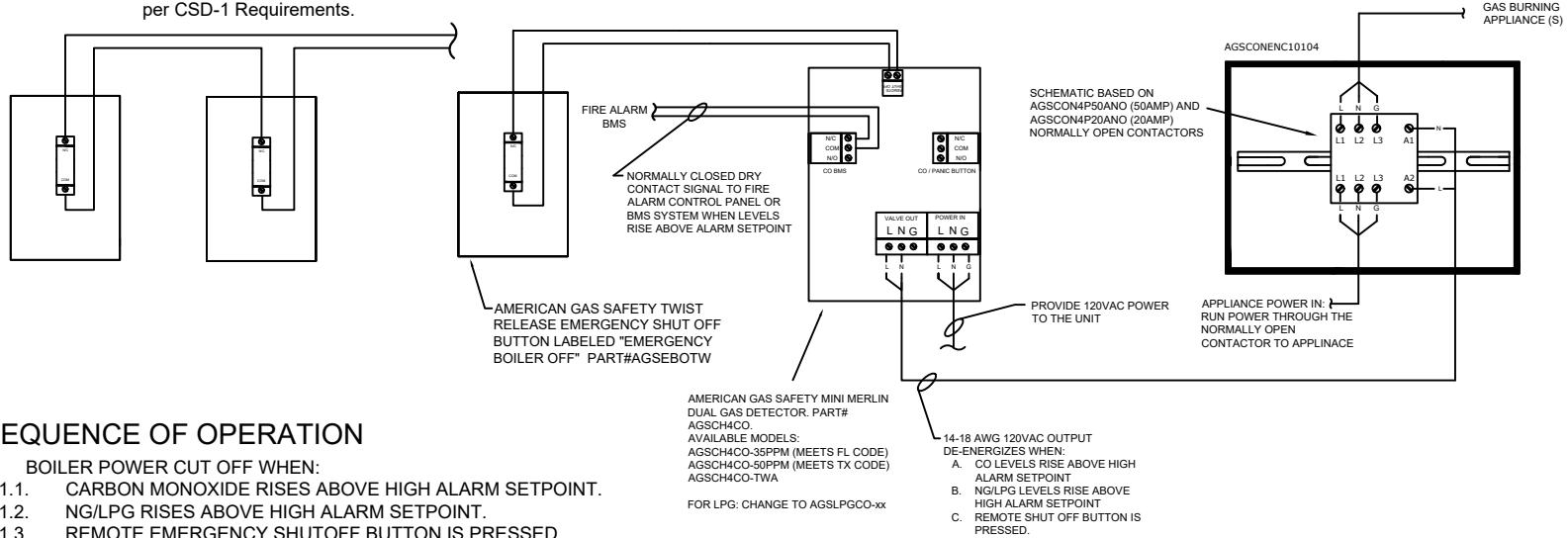


CIRCUIT BOARD OVERVIEW

BOILER POWER SHUTDOWN DETAIL

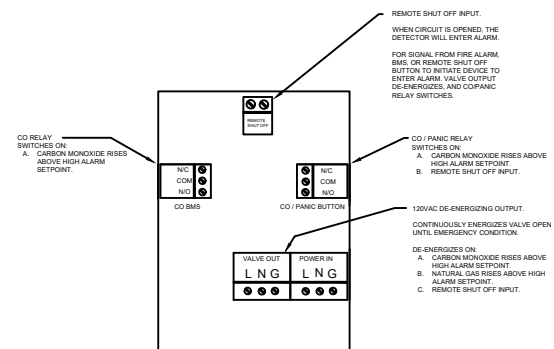
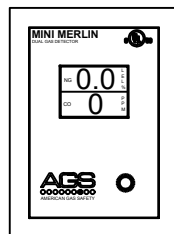
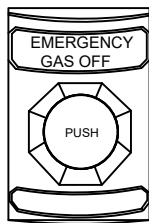
MULTIPLE PANIC BUTTONS

Wire in series as shown.
Locate outside of each entrance
per CSD-1 Requirements.



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