

# **Boiler Master Control Panel**

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# McMicken Heights Elementary Seattle, Washington

- Boiler control
- Boiler pump control
- Boiler sequencing
- Alarms
- HOA Switch
- Building automation system interface Network

Hard wired points

• PLC operator interface

### Summary Screen

Loop & boiler temperatures, Building supply setpoint, Boiler details—firing rate, status, System disabled-local, off, remote, Reset alarm button

#### **Boiler Screens**

Water temperature, Status indicatorslimit, available, enable, alarm, pump status, draft fan status, Firing rate, Manual rate controls

Lead Boiler Alternate Screen

Lead boiler indicator, Alternate hours, Countdown, Reset, Enabled/Disabled

Lead/Lag Settings Screen

System start/stop temperature offsets, Lag start/stop PID values, Lag delay, Lag hold temp offset

## PID Setup Screen

Setpoint source, Constant setpoint, Network setpoint, Remote setpoint, PID settings, Mod Delay, PID output,

## Outside Air Reset Screen

Outside air temperature, Outside air setpoint, Reset settings, Shutdown temp

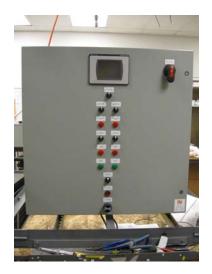
## **Parameters**

Mod stroke time/boiler start time, Heat fail alarm temp/timeout, Low/high boiler temp, Operator settings, HMI config

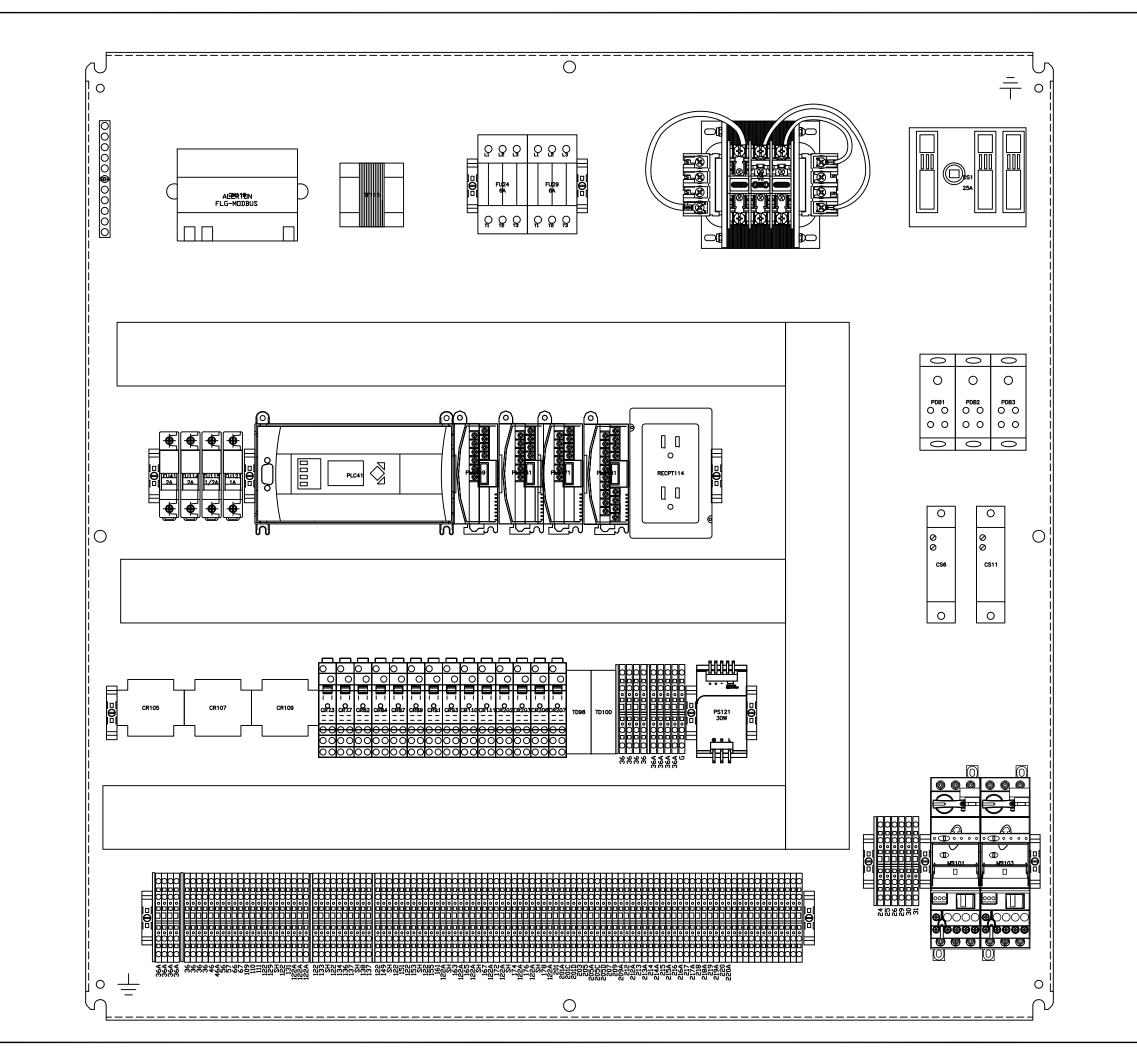
Secure Setting Screen

Min setp/max setp, Save settings/restore settings









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MCMICKEN HEIGHTS ELEMENTARY BOILER CONTROL PANEL

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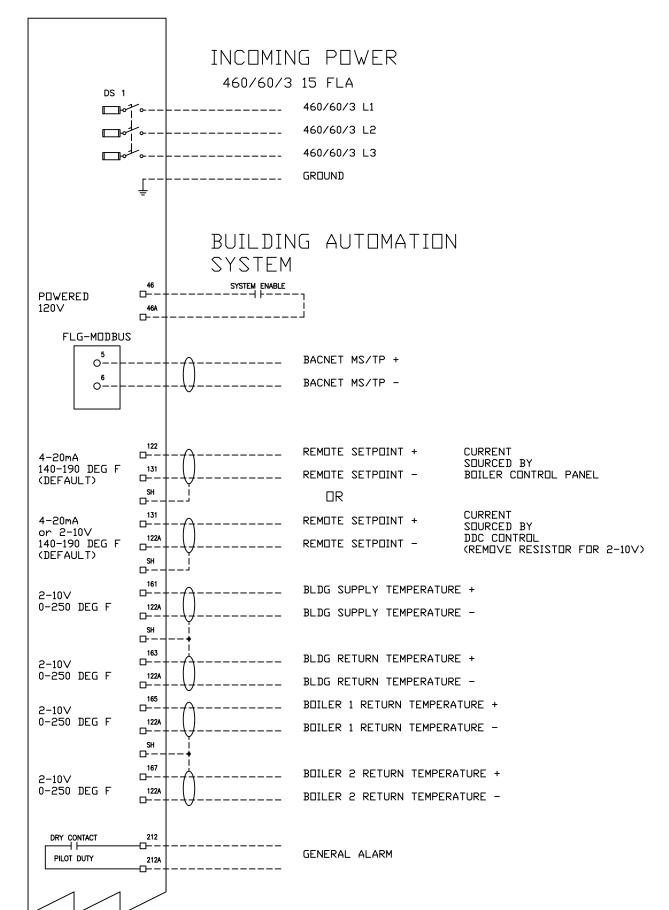
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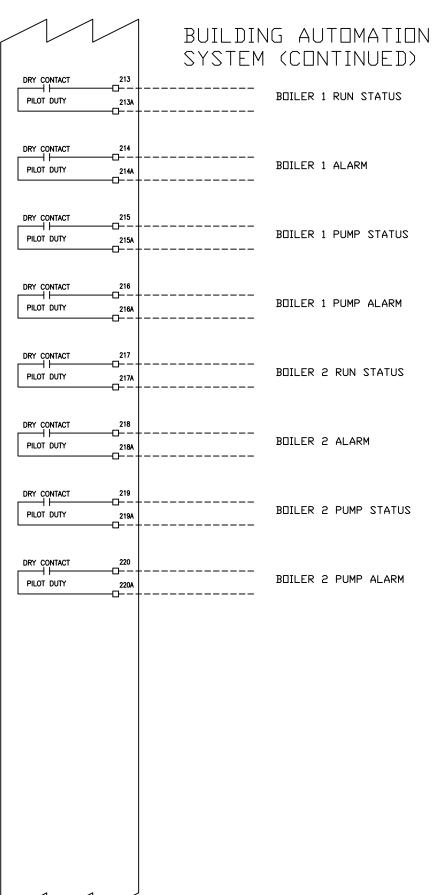
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# INTERCONNECT DRAWING (1 OF 3)

BOILER CONTROL PANEL



BOILER CONTROL PANEL



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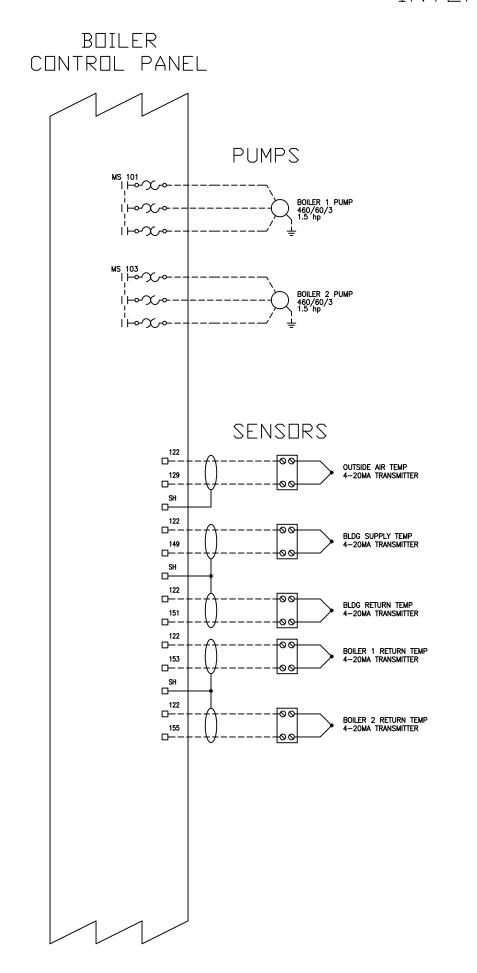
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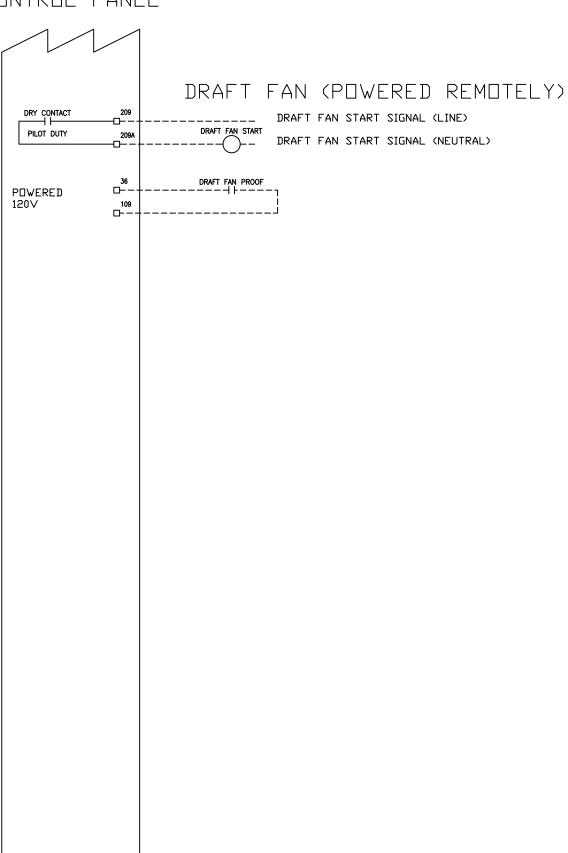
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# INTERCONNECT DRAWING (2 OF 3)





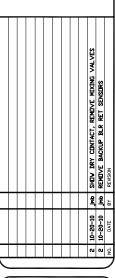


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BUILER CONTROL
PANEL

JUB NO 14467-09
JUB NO 11-10-09

BVG NO 14467-IC2

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#### INTERCONNECT DRAWING (3 OF 3) BOILER BOILER CONTROL PANEL CONTROL PANEL BOILER 1 BOILER 2 29 \_\_\_-POWERED 460/60/3 POWERED 460/60/3 30 □<del>-</del> -LOCAL-REMOTE LOCAL-REMOTE POWERED POWERED 120V 120V REMOTE 36A □---LOW WATER HI LIMIT OP CTRL LOW WATER HI LIMIT OP CTRL POWERED POWERED 120V 120V 207 REMOTE REMOTE DRY CONTACT DRY CONTACT RE1 START/STOP START/STOP 201A REMOTE 205A REMOTE RE2 RE2 --O<sub>rcc</sub> ·-O<sub>rcc</sub> DRY CONTACT 205C 201C DRY CONTACT AUX DEVICES AUX DEVICES POWERED POWERED 120V NEUTRAL 120V NEUTRAL POWERED POWERED 120V 120V 67 $\Box$ FUEL VALVE STAT FUEL VALVE STAT FV1 POWERED POWERED 120 120 110 111 172 \_\_\_\_\_ 4-20mA FIRE RATE 4-20mA FIRE RATE ----0 ----

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