Service Training School Agenda

Day 1

8:00  Introductions / Agenda Review

8:15  Presentation – Company & Products Overview/Evolution Boiler

9:15  Plant Tour

9:30  Break

10:00  Apex Condensing Boiler

Apex Condensing Boiler – Operation & Maintenance

• Identify sensor & key component locations
• Maintenance
  o Burner Access & Cleaning
  o Heat Exchanger Access & Cleaning
• Startup
  o Supply Gas Press
  o Gas Piping
  o Vent System configuration / Material
  o Supply/Return Water Piping/Pump
• Combustion Setup
  o Adjusting Dungs Gas Valve / Combustion Settings
  o Identify testing locations and methods

11:00  Amp Condensing Boiler

• Amp Boiler Product Design Overview
• Identify sensor & key component locations
• Burner Access and Cleaning
• Heat Exchanger Access and Cleaning
12:00 Lunch (catered in)

1:00 Tech Topics

- Honeywell Flame Safeguard Fault Codes
- Airflow Problems
  - Relays – old style vs. new. How to change out
  - Fault Code “31” – Running Intlk
  - Combustion Air Switch (CAS)
- Common Field Service Issues
- Siemens Gas Valve Snubber Installation (high supply gas press)
- Siemens Gas Valve - Combustion Adjustments
- VFD History / Faults
- Understanding Wiring Diagrams
- RWF40 / RWF55 Programming
- Identify Key Devices

3:30 Evolution - Factory Firetest

4:15 Questions & Review

5:30 Social Hour

6:30 Group Dinner
Day 2

8:00  Review Previous Days Topics

8:15  Concert Control
- Power Point Presentation – Concert Control Overview
  - Navigating the Concert Display
  - How to adjust the Central heating, Domestic hot water and high limit set point from display
  - How to adjust outdoor reset menu parameters
  - How to adjust the Central heating setpoint temperature parameters
  - How to setup and tune the boilers response time, proportional rate, Central heat Low fire hold time and firing rate
  - How to program single and multiple boilers
  - How to adjust the pumps menu parameters
  - How to set up Eco Propel parameters
  - External inputs & BMS menu parameters
  - Troubleshooting boiler alarms

9:00  Arctic Condensing Boiler
- Identify sensor & key component locations
- Maintenance
  - Burner Removal & Cleaning
  - Heat Exchanger Access & Cleaning
- Startup
  - Supply Gas Press
  - Gas Piping
  - Vent System configuration / Material
  - Supply/Return Water Piping/Pump
- Combustion Setup - Firetest
  - Adjusting Dungs Gas Valve / Combustion Settings
  - Use of Exhaust Gas Analyzer
  - Identify testing locations and methods

9:45  Break
10:00 Thermal Solutions Boiler Control (TSBC)

- Menu Access & Options
- Setup & Basic Functions
- Expanded Functions
- Communication & Data Acquisition

11:00 Questions and Review