

Please complete **ONE (1) form for each SITE** and return to AERCO for warranty validation within 30 days of start-up. After completion, e-mail this form to [Startup@AERCO.COM](mailto:Startup@AERCO.COM).

Completed By: \_\_\_\_\_ Date: \_\_\_\_\_

### Site Location

Installation Name: \_\_\_\_\_ Technician: \_\_\_\_\_  
 Street Address: \_\_\_\_\_ Company: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_ Phone #: \_\_\_\_\_  
 AERCO Sales Rep: \_\_\_\_\_

### Equipment Classification

Unit Type	Serial Numbers of All Units (add additional in Notes if needed)
<input type="checkbox"/> BMK E 216	_____
<input type="checkbox"/> BMK E 360	_____
<input type="checkbox"/> BMK E 432	_____
<input type="checkbox"/> BMK E 576	_____
<input type="checkbox"/> BMK E 684	_____

### General Installation

1. Are system utilities adequate to meet the requirements on the boiler's rating decal?  Yes  No
  2. Is the unit damaged or are there any missing parts?  Yes  No
  3. Is the relief valve piped to drain or within 12" of floor?  Yes  No
  4. Does electrical conduit, ductwork or piping impede access to or serviceability of the unit?  Yes  No
  5. Is there adequate clearance for proper operation & maintenance?  Yes  No
  6. Are all units installed in accordance with the clearances defined in the OMM?  Yes  No
- If not, why not? \_\_\_\_\_

### Electrical Installation

1. Electrical information on product label? \_\_\_V \_\_\_Phase \_\_\_Hz \_\_\_Amps
2. Does the main power supply comply with the unit's nameplate specifications?  Yes  No
3. Is the unit properly wired to an electrical disconnect switch?  Yes  No
4. Are terminal screws and wires connected and are tight?  Yes  No
5. Number and size of incoming power cables? \_\_\_\_\_
6. Are the power cables made of copper?  Yes  No
7. Have all electrical components been verified for proper grounding?  Yes  No

## Hydronic Installation

1. If there are multiple units, are the units piped "reverse-return"?  Yes  No
2. Are balancing valves or circuit setters installed?  Yes  No
3. Are shut-off valves installed on the inlet and outlet piping for servicing?  Yes  No
4. Is all piping complete, connections tight, leak free and damage free?  Yes  No
5. Is a Header Sensor installed 2 to 10 feet from the last boiler?  Yes  No
6. Are motorized isolation valves installed?  Yes  No
7. What are the maximum/minimum design flow rates through the unit? Max: \_\_\_\_\_ GPM Min: \_\_\_\_\_ GPM
  - a. Were the maximum & minimum flow rates verified?  Yes  No
8. Is the system (check all that apply):  
 Variable Flow System  Reverse Return  Primary/Secondary Pumping  Combination Control  
 Other (please specify): \_\_\_\_\_
9. What is the design system flow rate? \_\_\_\_\_ GPM
10. What is the design plant delta T? \_\_\_\_\_ °F
11. What ancillary components are connected to the I/O board of Manager, Backup Manager and Clients?  
\_\_\_\_\_

## Controls Wiring Installation

1. Has all communication wire been properly shielded?  Yes  No
2. Is the **remote interlock** connection on utilized?  Yes  No  
Please list all devices connected to interlock: \_\_\_\_\_  
\_\_\_\_\_
3. Is the **remote interlock** connected to a dry contact on an external device?  Yes  No
4. Is the **delayed interlock** connection utilized?  Yes  No  
Please list all devices connected to interlock: \_\_\_\_\_  
\_\_\_\_\_
5. Is the **delayed interlock** connected to a dry contact on an external device?  Yes  No

## Mode of Operation

### Individual Unit Control (select one)

- |  |  |
|--|--|
| <input type="checkbox"/> Remote Set Point (Analog) | <input type="checkbox"/> Constant Setpoint |
| <input type="checkbox"/> Remote Set Point (BAS)    | <input type="checkbox"/> BST (see below)   |
| <input type="checkbox"/> Indoor/Outdoor Reset      |  |

### If BST or ACS is used, the mode of operation is (choose one):

- |   |  |
|---|--|
| <input type="checkbox"/> Constant Setpoint    | <input type="checkbox"/> Remote Set Point (Analog) |
| <input type="checkbox"/> Indoor/Outdoor Reset | <input type="checkbox"/> Remote Set Point (BAS)    |

### If Building Automation System (BAS) Protocol is in use (choose one):

- |   |                                |
|---|--------------------------------|
| <input type="checkbox"/> BACNet (choose one): |                                |
| <input type="checkbox"/> IP                   | <input type="checkbox"/> MS/TP |
| <br>  |                                |
| <input type="checkbox"/> MODBUS (choose one): |                                |
| <input type="checkbox"/> TCP                  | <input type="checkbox"/> RTU   |

## Summary

1. Is the boiler plant installed per AERCO guidelines and industry best practices?  Yes  No

a. If No, please describe issues: \_\_\_\_\_  
\_\_\_\_\_

b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)

- |   |       |
|---|-------|
| <input type="checkbox"/> AERCO Tech Support:          | _____ |
| <input type="checkbox"/> AERCO Applications Engineer: | _____ |
| <input type="checkbox"/> Mechanical Contractor:       | _____ |
| <input type="checkbox"/> Design Engineer:             | _____ |
| <input type="checkbox"/> Controls Engineer:           | _____ |
| <input type="checkbox"/> General Contractor:          | _____ |
| <input type="checkbox"/> Building Owner:              | _____ |
| <input type="checkbox"/> Plumber:                     | _____ |
| <input type="checkbox"/> Electrician:                 | _____ |

2. Is there any conflict between installation & Engineer's Specification or Design Plans?  Yes  No

a. If Yes, please describe issues: \_\_\_\_\_  
\_\_\_\_\_

b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)

- |   |       |
|---|-------|
| <input type="checkbox"/> AERCO Tech Support:          | _____ |
| <input type="checkbox"/> AERCO Applications Engineer: | _____ |
| <input type="checkbox"/> Mechanical Contractor:       | _____ |
| <input type="checkbox"/> Design Engineer:             | _____ |
| <input type="checkbox"/> Controls Engineer:           | _____ |
| <input type="checkbox"/> General Contractor:          | _____ |
| <input type="checkbox"/> Building Owner:              | _____ |
| <input type="checkbox"/> Plumber:                     | _____ |
| <input type="checkbox"/> Electrician:                 | _____ |

3. Are there any conflicts or physical restrictions that will prevent the boiler plant from receiving proper preventative maintenance in the future?  Yes  No

a. If Yes, please describe issues: \_\_\_\_\_  
\_\_\_\_\_

- b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)

AERCO Tech Support: \_\_\_\_\_

AERCO Applications Engineer: \_\_\_\_\_

Mechanical Contractor: \_\_\_\_\_

Design Engineer: \_\_\_\_\_

Controls Engineer: \_\_\_\_\_

General Contractor: \_\_\_\_\_

Building Owner: \_\_\_\_\_

Plumber: \_\_\_\_\_

Electrician: \_\_\_\_\_

4. Please outline exceptions granted by AERCO Applications Engineering for this installation, if any:

\_\_\_\_\_  
\_\_\_\_\_

AERCO Applications Engineering sign-off (if necessary): \_\_\_\_\_

