|  |  |  |
| --- | --- | --- |
| **Air Cooled Scroll Chillers**  |  | **YCAL / YLAA** |
| **Job Name** |  | **Model** |  |
| **Installation Address** |  | **Serial No.** |  |
| **Date Shipped** |  |
| **Contract No.** |  | **Order No.** |  |
| **SR Number** |  | **PO No.** |  |

 **INSTALLATION CHECK LIST AND REQUEST FOR AUTHORIZED START-UP ENGINEER**

**The work (as check below) is in process and will be completed by** \_\_\_\_\_\_\_\_\_\_\_\_ / \_\_\_\_\_\_\_\_\_\_\_\_ / \_\_\_\_\_\_\_\_\_\_\_\_

 Month Day Year

 The following work must be completed in accordance with installation instructions:

**A. York Chiller**

* 1. Unit checked for shipping, storage or rigging damage
* 2. Equipment received as ordered.
* 3. Vibration isolators are mounted so the unit is level and isolators equally deflected.

**B. Water Piping**

* 1. Chilled water piping installed between evaporator, pumps and chilled water system.
* 2. All water piping checked for strain - Piping should not spring when connections are broken at the unit.
* 3. Flow switch installed in accordance with YORK instructions.
* 4. Chilled water temperature and pressure gauges installed at water inlets and outlets of chiller.
* 5. Water piping leak tested and flushed, and water strainers cleaned after flushing.
* 6. Piping systems filled with water, vented of air and water treatment operational.
* 7. Chilled water balanced to specifications
* 8. Chilled water line heat tape traced and insulated.

**C. Electrical Wiring**

* 1. Wiring completed and available from main power supply to starter.
* 2. Control power 115 volt service completed and available to the control center. \*

\* Installed with factory mounted control transformer.

* 3. Flow switches wired to the control center in accordance with YORK instructions.
* 4. Power wiring completed and available to the chilled water pump starters and motors, and rotation of each checked.

**D. Preparation**

* 1. **Oil Heaters must be powered up 24 hours prior to scheduled start up**.
* 2. Cooling load available for testing and operating the unit.
* 3. Electrician available to check motor rotation for final wiring connections.
* \_\_\_\_\_\_\_%PG \_\_\_\_\_\_\_ CHW Setpoint
* \_\_\_\_\_\_\_%EG \_\_\_\_\_\_\_ GPM Design Flow

With reference to the terms of the above contract, we are requesting the presence of your Authorized Representative at the job site on Month \_\_\_\_\_ / Day \_\_\_\_\_ /Year\_\_\_\_\_ to start the system and instruct operating personnel. Operator’s training is to be scheduled concurrently with start up. Contractor is responsible for scheduling personnel. Have him contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Name Phone Number

We understand that the services of the JCI Authorized Representative will be furnished in accordance with the contract, and we agree that a charge of **$3,000.00** per diem plus travel expenses will be made to JCI if additional services are required or if repeated calls are required, through no fault of Johnson Controls, Inc.

**Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**