

- 1
- 2 → e. M&l
- 3 f. Mafna
- 4 g. Temtrol

4 **PART 4 EXECUTION**

5 **4.01 APPROVED MANUFACTURERS FOR AHU:**

- 6 → A. **Basis of Design: MAFNA Air Technologies, Inc.**
- 7 B. Approved manufacturers listed for quality only. Size, noise, and specification criteria will be strictly
- 8 enforced.
- 9 1. Haakon
- 10 2. Scott – Springfield

11 **4.02 APPROVED MANUFACTURERS FOR FCU**

- 12 A. All AHU manufacturers
- 13 B. Enviro-tech
- 14 C. IEC
- 15 D. McQuay

16 **4.03 INSTALLATION OF AIR HANDLING UNITS**

- 17 A. General: Install air handling units where indicated on the contract drawings, in accordance with
- 18 equipment manufacturer’s published installation instructions.
- 19 B. Access: Provide access space around the air handling units for service as indicated on the
- 20 drawings but not less than that recommended by the manufacturer.
- 21 C. Field Adjustments: Adjust fan vibration isolators in accordance with manufacturer's instructions.
- 22 D. Duct Connections: Provide ductwork, accessories; flex connection as indicated on the drawing.

23 **4.04 TESTING & COMMISSIONING**

- 24 A. Unit manufacturer shall provide the services of a trained technician to supervise the installation of
- 25 the unit and to perform the start up of the unit. After the unit is installed, perform inspection, start-up
- 26 and checkout of the equipment. Do not start up equipment until the following operations are
- 27 complete:
- 28 1. Confirm shipping bracket and bracing is removed.
- 29 2. Confirm unit components are secured on mountings and supporting devices and verify that
- 30 connections for electrical and piping are complete. Verify proper thermal overload protection is
- 31 installed in motors, starters and disconnects.
- 32 3. Inspect and confirm satisfactory completion of all field joints.
- 33 4. Verify proper motor rotation direction and verify fan wheel free rotation and smooth bearing
- 34 operation.
- 35 5. Lubricate bearings, pulleys, belts and other moving parts with factory recommended lubricant.
- 36 6. Verify manual and automatic volume control in connected duct work systems are in the full
- 37 open positions.

38 **END OF SECTION**