

Addendum



DATE: 10/11/2024

PROJECT: City of Springfield, Fire Station No. 5

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ADDENDUM NO. 5

RECEIPT OF THIS ADDENDUM MUST BE NOTED ON THE FORM OF PROPOSAL

TO ALL BIDDERS:

This addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become part of the Contract Documents.

ELECTRICAL SPECIFICATIONS:

ITEM ES1 SECTION 26 5700 – SUSPENDED CEILING MOUNTED CIRCULATION
FANS

1. Replace the specification section.

ELECTRICAL DRAWINGS:

ITEM E1 SHEET E0.2 – SCHEDULES

1. Drawing not reissued. Add these notes:
2. Add Type “F6” – add equal manufacturer “PMC”.
3. Revise type “F7” note to include – furnished by the Owner (fire call light), installed and wired by the E.C.

END OF ADDENDUM NO. 5

ATTACHMENTS: Specifications: 26 5700

SECTION 26 7000 - SUSPENDED CEILING MOUNTED CIRCULATION FANS

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. The fan shall be the models scheduled with the capacities indicated. The fan shall be furnished with mounting hardware and variable speed controls.

1.2 RELATED WORK

- A. Installation of the fan, miscellaneous or structural metal work (if required), field electrical wiring, cable, conduit, fuses and disconnect switches shall be provided by this contractor.

1.3 GENERAL ELECTRICAL REQUIREMENTS

- A. Wiring: Wiring practices, materials and coding shall be in accordance with the requirements of the National electrical Code NFPA 70 and other applicable codes and standards.

1.4 SUBMITTALS

- A. Product Data: For each Fan type indicated.
- B. Shop Drawings: Detail assemblies of equipment indicating dimensions, weights, components, and location and identification of each field connection. Show access, mounting, and clearance requirements; details of controls.
1. Include wiring and installation diagrams.
- C. Operation and maintenance data.
- D. Warranties.

1.5 WARRANTY

The manufacturer shall replace any products or components defective in material or workmanship, free of charge to the customer in accordance to the following schedule:

- Motor 1 year (Parts)
- Controller 1 year (Parts)

PART 2 - PRODUCTS

2.1 Commercial Style, Large Area/High Bay Fans (Type CF2)

A. Complete Unit:

The fan shall consist of entire unit with housing, motor, blades, drop rod, trim canopy, etc. Manufactured by “Big Ass Fans”, Model #I6. 72” Diameter, indoor rated, no light. 60” drop rod length. Fan to be suspended above other utilities in Apparatus Bay.

B. Trim:

The fan assembly and blades shall have brushed aluminum finish

C. Motor:

The fan motor shall be a permanent magnet brushless motor rated for continuous operation at maximum speed with the capability of modulating the fan speed at 3 preset speeds (Low/Medium/High) and reversing (from wall control switch) without the use of a gearbox or other mechanical means of control. The motor shall operate at 120V/60 Hz. The motor shall be a non-ventilated, heat sink design with the capability of continuous operation in -40°F to 131°F (-40°C to 55°C) ambient conditions.

D. Mounting System:

The fan mounting system shall be designed for quick and secure installation from a standard octagon ceiling fan electrical box rated for a minimum of 50 lbs. Fan assembly weighs 36 lbs. The E.C. shall provide supports to span ceiling structure for mounting box installation per manufacturer’s recommendations.

E. Wall Control:

The fans shall be capable of On/Off/Variable Speed control from a wireless remote wall control. The wall control shall be capable of controlling a minimum of 3 fans (where indicated) mounted in a standard single-gang box with cover plate (The E.C. shall provide stainless steel coverplate) The controller shall be integrated and installed in Apparatus Bay Control Enclosure, refer to detail drawings.

2.2 Residential Style, Small Room/Small Diameter Fans (Type CF1)

A. Complete Unit:

The fan shall consist of entire unit with contemporary finish housing, motor, blades, trim canopy, etc. Equal to Hunter “Presto” Low Profile Series. Ceiling Hugger Style, 3 blades, with maximum 10” depth. Unit shall include hardwired wall controller, no light.

B. Trim:

The fan shall be equipped with all White finish on housing with reversible wood blades, minimum 36” diameter, maximum 44” diameter (White finish on blades).

C. Motor:

The fan motor shall be a permanent magnet brushless motor rated for continuous operation at maximum speed with the capability of modulating the fan speed at 3 preset speeds (Low/Medium/High) and reversing (from switch on fan) without the use of a gearbox or other mechanical means of control. The motor shall operate at 120V/60 Hz. The motor shall be a non-

ventilated, heat sink design with the capability of continuous operation in -40°F to 131°F (-40°C to 55°C) ambient conditions.

D. Mounting System:

The fan mounting system shall be designed for quick and secure installation from a standard octagon ceiling fan electrical box rated for a minimum of 50 lbs.

For mounting through ceiling media, a factory supplied canopy is provided to maintain a professional, finished installation.

E. Wall Control:

The fan shall be capable of On/Off/3-Speed control from a remote wall control. The wall control shall be capable of mounting in a standard single-gang box with cover plate (The E.C. shall provide Stainless Steel Coverplate to match other devices).

2.3 Residential Style, Exterior Small Diameter Fans (Type CF3)

A. Complete Unit:

The fan shall consist of entire unit with contemporary finish damp rated housing, motor, blades, trim canopy, etc. Equal to Hunter “Kennicott Outdoor” Low Profile Series, 4-6 blades, with maximum 13” depth. Unit shall include hardwired wall controller, no light.

B. Trim:

The fan shall be equipped with all Matte Silver finish on housing, minimum 42” diameter, maximum 50” diameter (Matte Silver finish on blades).

C. Motor:

The fan motor shall be a permanent magnet brushless motor rated for continuous operation at maximum speed with the capability of modulating the fan speed at 3 preset speeds (Low/Medium/High) and reversing (from switch on fan) without the use of a gearbox or other mechanical means of control. The motor shall operate at 120V/60 Hz. The motor shall be a non-ventilated, heat sink design with the capability of continuous operation in -40°F to 131°F (-40°C to 55°C) ambient conditions.

D. Mounting System:

The fan mounting system shall be designed for quick and secure installation from a standard octagon ceiling fan electrical box rated for a minimum of 50 lbs.

For mounting through ceiling media, a factory supplied canopy is provided to maintain a professional, finished installation.

E. Wall Control:

The fan shall be capable of On/Off/3-Speed control from a remote wall control. The wall control shall be capable of mounting in a standard single-gang box with cover plate (The E.C. shall provide Stainless Steel Coverplate to match other devices).

EXECUTION

2.1 INSTALLATION

- A. Maintain minimum clearances and workspace at equipment according to manufacturer's written instructions and NFPA 70.
- B. Follow manufacturer's instructions regarding installation, wiring and testing system. Wiring shall be installed in conduit in accordance with manufacturer's recommendations and in compliance with local, state and national codes.
- C. Identify components and wiring according to Division 26 Section "Identification for Electrical Systems."

2.2 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain the fans.

END OF SECTION 26 70 00