

SECTION 23 34 00 - HVAC FANS**PART 1 - GENERAL****DESCRIPTION**

Provide Fans as specified herein and shown on the Drawings.

Equipment capacity and size as indicated in the equipment lists on the Drawings.

Related Work: The requirements of Section 23 05 00, Common HVAC Materials and Methods, also apply to this section.

QUALITY ASSURANCE

Air Handling Equipment: Rated in accordance with AMCA certified rating procedures and AMCA labeled.

See Commissioning specification for additional requirements.

SUBMITTALS

Submit catalog data, construction details and performance characteristics for each fan.

Submit operating and maintenance data.

PART 2 - PRODUCTS**EXHAUST FANS**

Roof Mounted Exhaust Fan (Direct Drive): Curb mounted on roof; vertical shaft, direct driven, open BI wheel as shown on Drawings with EC motor; bird screen; weatherproof aluminum housing for mounting on square base; capacity as indicated on Drawings. Motor located outside the air stream. Casing to be easily removed for service. Motor and fan assembly to be mounted on rubber vibration isolators unless noted otherwise. Provide with 2-position motorized damper with the same interior frame size as the duct connection to the fan. Damper actuator by Controls Contractor. Provide disconnect switch at fan with NEMA rating per code. Greenheck, Soler & Palau, Jen Fan, Carnes, Acme, PennBarry, Cook, Twin City or approved.

PART 3 - EXECUTION**INSTALLATION**

Install and arrange equipment as shown on the Drawings and as recommended by the equipment manufacturer.

AIR HANDLING INSTALLATION

Installation and Arrangement: Air handling equipment shall be installed and arranged as shown on the Drawings. Comply with the manufacturer's recommendations for installation connection and start-up.

CONTROLS

Wiring: All wiring shall be in accordance with the National Electrical Code and local electrical codes.

END OF SECTION 23 34 00