SECTION 23 34 00 - HVAC FANS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Propeller fans.

1.2 WARRANTY

A. Furnish five (5)-year manufacturer's warranty for fans.

PART 2 - PRODUCTS

2.1 PROPELLER FANS

A. Description:

   1. Impeller: Shaped-steel or steel-reinforced aluminum blade with hubs, statically and dynamically balanced, keyed and locked to shaft, directly connected to motor or furnished with V-belt drive.
   2. Frame: One piece, square steel with die-formed venturi orifice, mounting flanges, and supports; baked-enamel finish.

B. Accessories:

   1. Backdraft Damper: Multi-blade with offset hinge pin, blades linked.
   2. Safety Screens: Expanded galvanized metal over inlet, motor, and drive; to comply with OSHA regulations.

C. Capacity:

   1. See schedules on drawings.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Secure wall fans stainless-steel lag screws to structure.

B. Install backdraft dampers on inlet to wall exhaust fans.

C. Install safety screen where inlet or outlet is exposed.

D. Install backdraft dampers on discharge of exhaust fans [and as indicated on Drawings].

E. Provide sheaves required for final air balance.

END OF SECTION 233400