

## **Model W1-C-EM**

### **PRODUCT SPECIFICATIONS**

Furnish Carroll Ventilator Model W1-C-EM-\_\_\_\_\_ (ventilator with fire damper) or NW1-C-EM-\_\_\_\_\_ (ventilator without fire damper) as shown on plans, in the depth indicated, in the overall length of \_\_\_\_\_ and to meet the following specifications:

**GENERAL DESCRIPTION:** Ventilator is a high velocity, centrifugal grease extractor with two air inlet slots, one on each side of a single extractor. One slot shall have an adjustable baffle for regulating the ratio of exhaust volume between the slots. Grease extraction efficiency shall be 95% when properly installed and operated per Carroll recommendations. Extracted grease to be accumulated out of the exhaust air stream on fixed-in-place, full-length internal baffles; and removed periodically during the hot water/detergent cleaning cycle as controlled by the FWC Control Panel. Full-length non-gasketed, quick-opening latch type hinged inspection doors to be provided for inspection and servicing of extraction chamber and wash manifold.

Ventilator shall be operated at air quantities per project plans. Ventilator is designed for direct mounting to oven and shall be equipped with a special oven flue. Ducting for this connection shall be by others. Ventilator may be equipped with a spring-loaded fire damper located at the duct collar. The fire damper shall be ☐ 280°F with fuse link or ☐ thermostatically activated, with damper closer set to occur at 280°F.

**CONSTRUCTION MATERIALS:** The ventilator shall be 18 gauge, type 304, all stainless steel construction. A number 4 finish shall be provided on all exposed surfaces.

**APPROVALS:** Ventilator to be U.L. Listed, listed by NSF and in accordance with all recommendations of NFPA 96. The ventilator must meet all applicable codes.