Red Viking Group, Inc.
Design No. RVG/WV 60-01
Wall Vent
Fire Rated XVent Box
ASTM E814
F-Rating: 60 Minutes
T-Rating: 55 Minutes

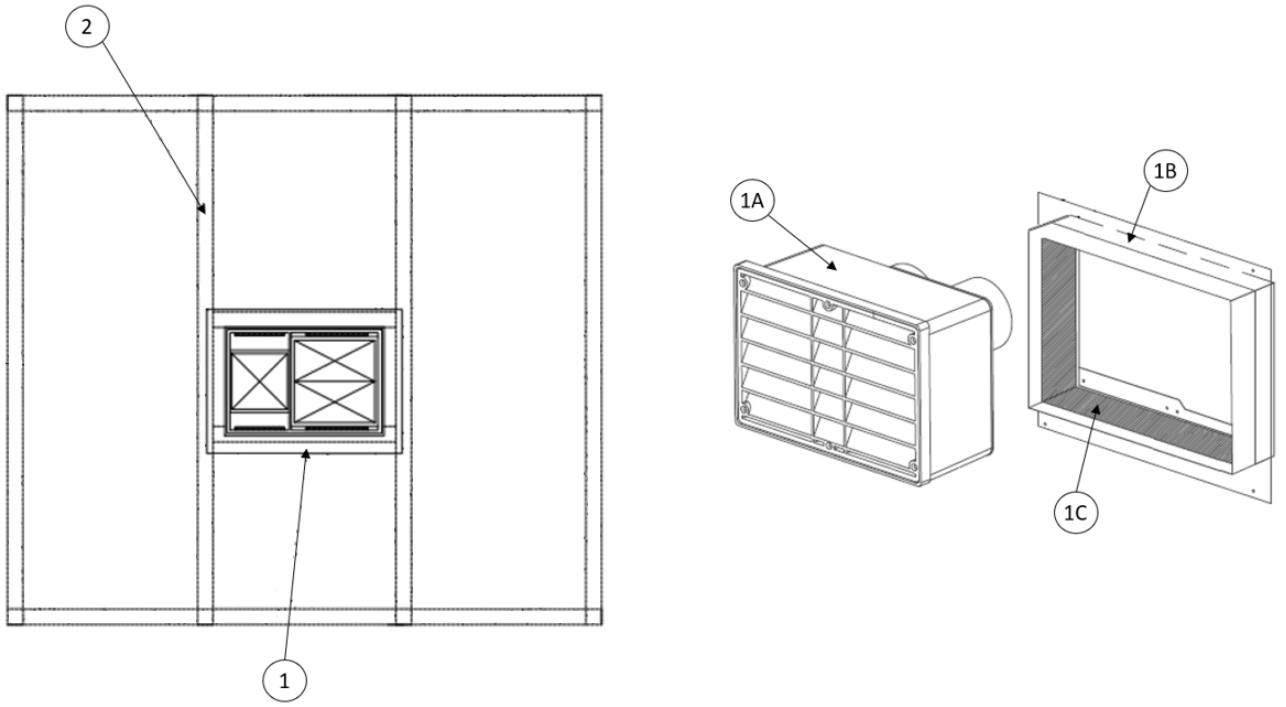


Figure 1. Fire Rated XVent Box

1. COMPONENT NAME: WALL VENT BOX

CERTIFIED PRODUCT: Red Viking Group, Inc., Fire Rated XVent Box

Install Fire Rated XVent Box in a 1 Hr Fire Rated wall assembly with minimum requirements described in Item 2. Mount box following the manufacturer's instructions and requirements.

A. EXHAUST BOX: Max. 8 in. by 12-1/8 in. modular plastic exhaust box manufactured by RVG Inc.

B. METAL SHROUD: Min. 20 GA steel housing for exhaustion box. Secured to exhaust box (Item 1A) per manufacturer's assembly instructions. For mounting purposes, the metal shroud may vary in depth from 3 in. to 6 in. to accommodate offset distances between 1 in. to 6 in. Attach the metal shroud to the wall with min. No. 6 screws, one in each corner, fastened through the exterior gypsum board and into the wall framing.

C. INTUMESCENT STRIP: Min. 3 layers of min. 3 in. wide, nominal 2 mm thick proprietary

intumescent strip pre-installed around the perimeter between the exhaust box (Item 1A) and the metal shroud (Item 1B) by the manufacturer.

D. EXHAUST DUCT (not shown): Mechanically fasten min. 26 GA rigid steel duct or flexible steel duct to exhaust box per manufacturer's installation instructions. Support ducting with min. 28 GA, min. 1/2-wide, galvanized steel hanger straps fastened to the wall framing.

2. SUPPORTING CONSTRUCTION: Use a min. 1 Hr, ASTM E119 or UL 263 fire-resistance rated wall assembly meeting the following minimum construction requirements:

A. FRAMING: Double stud construction with min. 2x4 wood studs or min. 25 GA, min. 1-1/2 in. x 3-5/8 in. steel studs.

B. INTERIOR GYPSUM BOARD (not shown): Min. one layer of min. 5/8 in. nominal thickness Type X gypsum board, certified to ASTM C1396, attached to framing with fasteners as described in the corresponding fire-rated wall design.

C. EXTERIOR GYPSUM BOARD (not shown): Min. one layer of min. 5/8 in. nominal thickness Type X gypsum board, certified to ASTM C1396, or min. 5/8 in. nominal thickness Type X glass mat gypsum panel, certified to ASTM C1658, attached to framing with fasteners as described in the corresponding fire-rated wall design.

D. EXTERIOR WALL FINISH (not shown): Use an approved exterior wall finish as described in the corresponding fire-rated wall design.

E. WALL CAVITY (not shown): Ensure a min. wall cavity depth of 16-1/4 in. measured from the inside of the interior gypsum board to the inside of the exterior gypsum board.

Consult the listing report on the Directory of Building Products (https://bpdirectory.intertek.com) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.