

## **Construction Solutions**

22415 N 18<sup>th</sup> Dr.  
Phoenix, AZ. 85027  
480-346-8240  
[www.newconstructionsolutions.com](http://www.newconstructionsolutions.com)

## **DBX1017FR**

**Recessed Vent Receptacle  
Installation Guidelines &  
Product Information**



# **INSTALLATION INSTRUCTIONS FOR THE DBX1017FR DRYER VENT BOX**

THE DBX1017FR IS 10" WIDE X 17" TALL X 4.25" DEEP. **MEETS THE 1-HOUR EQUAL F&T "THROUGH PENETRATION FIRESTOP SYSTEM REQUIREMENTS.** THIS 4.25" DEEP BOX IS INSTALLED IN 2X6 WOOD OR 6" METAL FRAMING. THE DBX1017FR IS POWDER COATED WHITE.

FOR OPTIMUM RESULTS INSTALL THE DBX1017FR FOR UP/DOWN VENTING IN 2X6 WOOD OR 6" METAL FRAMING AS FOLLOWS:

**BOX INSTALLATION – 16" ON-CENTER SPACING FOR STANDARD FRAMING OR FIRE RATING REQUIREMENT. IT CAN BE INSTALLED IN 24" ON-CENTER IN NON-RATED WALLS.**

- ORIENT BOX TO MATCH DESIRED VENTING DIRECTION. ALLOW A MINIMUM OF 2" OF VENT PIPE TO EXTEND INTO THE BOX.
- IF GAS LINE IS TO BE INSTALLED, INSERT INTO KNOCKOUT PROVIDED.
- BOX CAN BE INSTALLED IN ANY LOCATION IN THE STUD CAVITY TO MEET DESIRED POSITION FOR DRYER LOCATION.
- ATTACH BOX TO ONE STUD AND BOTTOM STUD PLATE USING 1 1/4" SCREWS OR NAILS. IF POSITIONING IN THE STUD CAVITY TO ACCOMMODATE A *STACKED* DRYER CONFIGURATION ATTACH BLOCKING BELOW THE BOX AND ATTACH THE BOX TO ONE STUD AND THE BLOCKING.
- IF INSTALLING IN A 1 HOUR "THROUGH PENETRATION FIRESTOP SYSTEM" SEE 1 HOUR REQUIREMENTS FOR INSULATION AND OTHER MATERIALS IN THE STUD CAVITY.

## **INSTALLATION INSTRUCTIONS FOR A 1 HOUR FIRE WALL REQUIREMENT**

- To achieve a penetration firestop system rating (one-hour equal F&T) 2" x 6" (50mm x 152mm) **wood framing**, 16" O.C. (406mm) is required. The DBX1017FR is to be installed in accordance with the QAI assembly description. Insulation to be minimum R-19 fiberglass batt insulation that is classified as non-combustible as defined by ASTM E136 and CAN/ULC-S114, min thickness 6 inches. Insulation to be installed in all areas including between the stud and dryer vent box. The batt may be split to half the thickness to be able to compress it behind the box. The dryer vent box is 10" wide x 17" high x 4.25" deep with a 1" flange. The dryer vent box is fastened to the stud and sill with 1 1/2" screws. The 4" galvanized vent pipe is installed in the opening and caulked at the vent/box interface using PFP 4800DW caulking. Type X gypsum wallboard 5/8" complying with ASTM C 1396 is installed on stud face. The cavity containing the Dryer Vent Box shall have a layer of 5/8" Type X gypsum board placed behind the box. The gypsum board shall be fastened to two 3/4" (19mm) by 1 1/2" (38mm) pieces of wood fastened to the stud with wood screws such that the gypsum board will be flush with the 1 1/2" (38mm) face of the studs prior to fastening the sheathing. The gypsum board shall be fastened with #6 1 5/8" (41mm) drywall screws.
- Installation for **25-gauge steel framing** is the same as above for the DBX1017FR dryer vent box.  
**Exception:** insulation in the dryer vent box cavity shall be mineral wool thermal insulation in compliance with ASTM C612 Type II, III or IVA. ASTM C612 Type II and III mineral wool insulation must also be non-combustible as defined by ASTM E 136 and CAN/ULC-S114, min 4.0 lb. (64kg/m3) density. A minimum 1" mineral wool board or batt shall be installed behind the Dryer Vent Box including between the box and the stud. In addition, a minimum R-19 fiberglass batt insulation meeting ASTM E 136 and CAN/ULC S-114 shall be installed in the adjacent stud cavities.