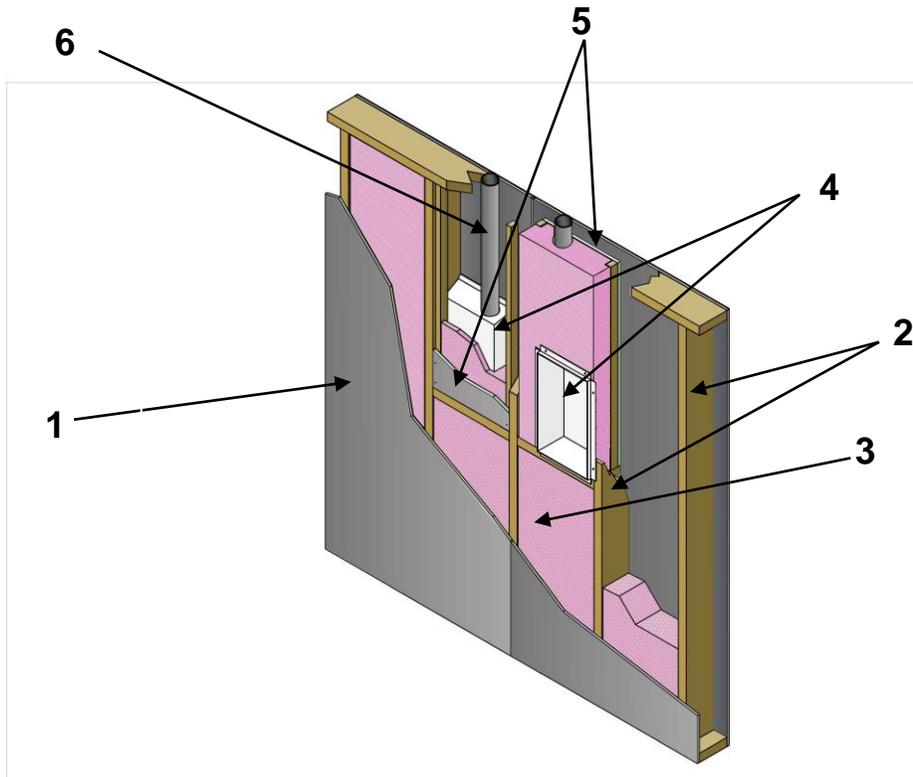


**QAI Listing B1072-1C Construction Solutions
 Dryer Vent Boxes
 CAN/ULC S115, ASTM E814
 1 Hour Membrane Penetration Assembly
 Non-Load Bearing**



No.	COMPONENT	DESCRIPTION	
1	Gypsum Board Sheathing	Type:	Type X gypsum wallboard complying with ASTM C1396 and labeled by an approved agency.
		Thickness:	Single layer of 5/8 in. (16 mm) on each face of the wall.
		Application:	Sheathing is to be fastened to studs with #6 x 1-5/8 in. (41 mm) long coarse thread drywall screws spaced at 8 in. (203 mm) on center. Joints to be taped and mudded, and fastener heads to be mudded.
2	Wall Studs	Stud Type:	Minimum nominal 2 x 6 in. (38 x 140 mm) wood studs.
		Stud Spaced	Maximum 16 in. (406 mm) on center.
3	Insulation	Type:	Minimum R-19 fiberglass batt insulation that is classified as non-combustible as defined by ASTM E136 and CAN/ULC-S114.
		Minimum Thickness:	6 inch (152 mm).
		Installation:	Fiberglass batt must be installed in all areas including between the stud and dryer vent box. The batt may be split to half the thickness in order to be able to compress it behind the box.

No.	COMPONENT	DESCRIPTION	
4	Dryer Vent Box	Certified Manufacturer:	Construction Solutions.
		Certified Product:	DBX100M 4.0 in. Construction Solutions dryer vent box kit. DBX1017 4.25 in. Construction Solutions dryer vent box kit. DBX1017FR4 3.5 in. Construction Solutions dryer vent box kit.
		Box Dimensions:	DBX1017FR4 4.25 in.: 10 in. (254 mm) wide by 17 in. (432 mm) high by 4.25 in. (108 mm) deep with a 1 in. (25 mm) flange. box is formed from 24 Gauge steel.
			DBX1017FR4 3.5 in.: 10.77 in. wide by 17.82 in. high by 4 ¼ in. deep with a 1 in. flange. A 3.157 in. cut out for the dryer vent. 1-1/8 in. knockout on the top of the box. The box is formed from 24 Gauge steel.
		Trim Ring Dimensions:	DBX1000M 4 in.: 10 in. (254 mm) wide by 17 in. (432 mm) high by 3-1/2 in. (89 mm) deep with a 1-1/4 in. (32 mm) flange. A 3 x 5 in. (76 x 127 mm) oval cut out for the dryer vent on the top and 1-1/8 in. (29 mm) knockouts on the top and bottom for gas hook up. The box is formed from 22-gauge galvanized steel.
		Sealant:	9-7/8 in. (251 mm) wide by 16-7/8 in. (429 mm) high by 1-5/8 in. (16 mm) deep with a 1-5/16 in. (33 mm) flange. The trim ring is of 25 gauge galvanized steel.
		Installation:	PFP 4800DW Hilti FS-ONE MAX STI LC Endothermic Firestop Sealant 3M Fire Barrier Sealant CP 25WB+ WF300 Intumescent Caulking Foil Tape listed to UL 723
5	Gypsum Board (Dryer Box Cavity)	Type:	The dryer vent box is fastened to the stud and sill through two holes on the side and bottom of the box using #8 x 1-1/2 in. (38 mm) wood screws. The galvanized steel dryer vent is inserted through the top of the box then caulked at the vent/box interface. The opening cut into the gypsum board shall be a maximum of 10-1/2 in. (267 mm) wide by 17-1/2 in. (445 mm) high. Only one box is permitted per stud cavity.
		Thickness:	Type X gypsum wallboard complying with ASTM C1396 and labeled by an approved agency.
		Application:	Single layer of 5/8 in. (16 mm).
6	Vent Pipe	Size:	The cavity containing the dryer vent box shall have a layer of Type X gypsum placed behind the box. The gypsum shall be fastened to two 3/4 in. (19 mm) by 1-1/2 in. (38 mm) pieces of wood fastened to the stud with wood screws such that the gypsum will be flush with the 1-1/2 in. (38 mm) face of the studs prior to fastening the sheathing. The gypsum board shall be fastened with no. 6 x 1-5/8 in. (41 mm) drywall screws.
		Type:	4 in. (101 mm) round.
			26-gauge galvanized steel.

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