



# Directory of Listed Products



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## **BUILDING PRODUCTS LISTING PROGRAM**

Class: Membrane Penetration

Customer: Construction Solutions, LLC

Location: 7801 E. Gray Rd., Suite 110, Scottsdale, AZ, 85260

Listing No.: B1072-1

Effective Date: December 23, 2014

Last Revised: **No Revisions to Date**

Expires: N/A

Products: Construction Solutions 4 in. and 6 in. Metal Dryer Vent Box with Snap on Trim Ring

Standard(s): ASTM E814 "Standard Test Method for Fire Tests of Penetration Firestop Systems".  
CAN/ULC S115 "Standard Method of Fire Tests of Firestop Systems".

Label: 4 in. dryer vent box is marked by Construction Solutions, LLC with the following information: Construction Solutions' 4 in. dryer vent box trade name, QAI listing no. B1072-1A, QAI logo with the 'US' and 'C' identifier, Ratings of 1-hour F, 1-hour T, and 1-hour H (CAN/ULC S115 only).

6 in. dryer vent box is marked by Construction Solutions, LLC with the following information: Construction Solutions' 6 in. dryer vent box trade name, QAI listing no. B1072-1B, QAI logo with the 'US' and 'C' identifier, Ratings of 41-minutes F, 41-minutes T, and 41-minutes H (CAN/ULC S115 only).

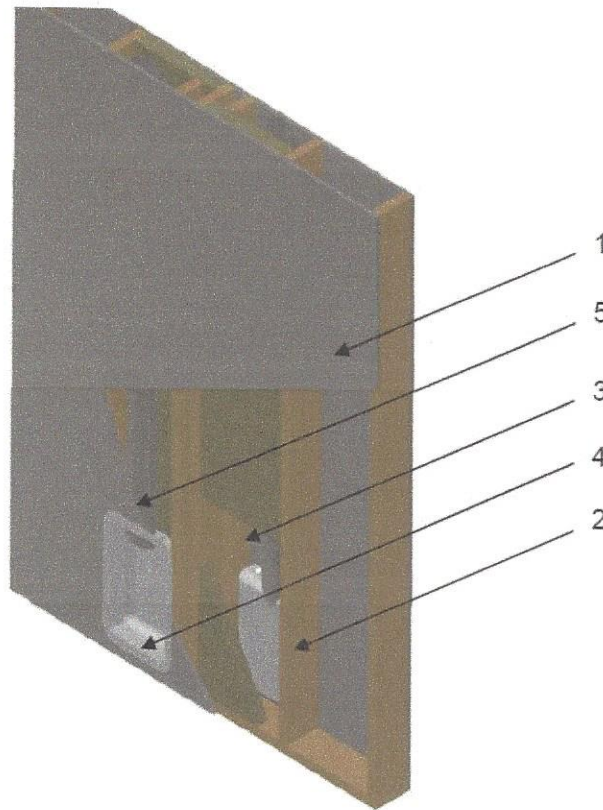
Ratings: The following outlines the assembly and ratings of Construction Solutions 4 in. and 6 in. dryer vent box:

Assembly	Test Standard	F-Rating	T-Rating	H-Rating
4 in. Dryer Vent Box	ASTM E814	1-hour	1-hour	N/A
	CAN/ULC S115	1-hour	1-hour	1-hour
6 in. Dryer Vent Box	ASTM E814	41-minutes	41-minutes	N/A
	CAN/ULC S115	41-minutes	41-minutes	41-minutes

Note: ASTM E814 does not use H-Rating to identify that the assembly passed the hose stream test. The hose stream test is a requirement to achieve an F-Rating.

### **QAI Listing B1072-1A**

ASTM E814 and CAN/ULC S115 – 1-Hour F Rating, 1-Hour T Rating, and 1-Hour H Rating (CAN/ULC S115 only) Non-load Bearing Wall Assembly

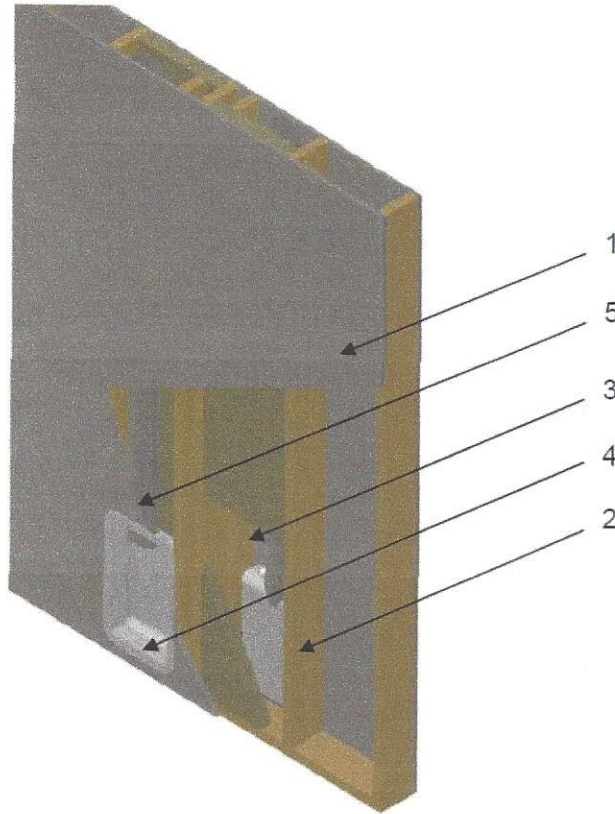


No.	COMPONENT	DESCRIPTION	
1	Gypsum Board	Type:	Type X gypsum wallboard complying with ASTM C1396 and labeled by an approved agency
		Thickness:	Single layer of 5/8 in. (16 mm) on each face of the wall
		Application:	Sheathing is to be fastened to studs with #6 x 1-5/8 in. (41 mm) long coarse thread drywall screws spaced at 8 in. 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. (50 x 152 mm) Wood
		Stud Spaced	Maximum 16 in. (406 mm) on center
3	Insulation	Type:	Mineral wool thermal insulation in compliance with ASTM C553 Type VII
		Minimum Thickness:	2 inch (50 mm)
		Nominal Density:	Minimum 4.0 lb/ft <sup>3</sup> (64 kg/m <sup>3</sup> )
4	Dryer Box	Certified Manufacturer:	Construction Solutions
		Certified Product:	Nominal 4 in. Construction Solutions Dryer Vent Box Kit
		Box Dimensions:	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.
		Trim Ring Dimensions:	9-7/8 in. (251 mm) wide by 16-7/8 in. (429 mm) high by 1-5/8 in. (41 mm) deep with a 1-5/16 in. (33 mm) flange. The trim ring is made from 25 gauge galvanized steel.
		Caulking:	PFP 4800DW
	Installation:	A nominal 2 x 4 in. (50 x 100 mm) stud is installed into the stud cavity 10-3/4 in. (273 mm) from a 2 x 6 in. (50 x 152 mm) stud. The dryer vent box was fastened to the 2 x 4 in. (50 x 100 mm) and 2 x 6 in. (50 x 152 mm) studs through three holes on each side 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.
5	Vent Pipe	Size:	4 in. (101 mm) Round
		Type:	26 gauge galvanized steel

**QAI Listing B1072-1B**

ASTM E814 and CAN/ULC S115 – 41-minutes F Rating, 41-minutes T Rating, and 41-minutes H Rating (CAN/ULC S115 only)  
Non-load Bearing Wall Assembly



No.	COMPONENT	DESCRIPTION	
1	Gypsum Board	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. 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. (50 x 152 mm) Wood
		Stud Spaced	Maximum 16 in. (406 mm) on center
3	Cavity Insulation	Type:	Mineral wool thermal insulation in compliance with ASTM C553 Type VII
		Minimum Thickness:	2 inch (50 mm)
		Nominal Density:	Nominal Density:
	Insulation Behind the Dryer Vent Box	Type:	Mineral wool thermal insulation in compliance with ASTM C612 Type IVA
		Dimensions:	10 in. (254 mm) x 17 in. (432 mm) x 1 in. (25 mm) thick directly behind the box
		Nominal Density:	3.5 lb/ft <sup>3</sup> (56 kg/m <sup>3</sup> )
		Install:	A 10 in. by 17 in. area shall be cut from the 2 in. cavity insulation in the area behind the Dryer Vent Box, a 10 in. by 17 in. piece of 1 in. insulation shall then be placed in the cut out.
	Certified Product:	Nominal 6 in. Construction Solutions Dryer Vent Box Kit	
	Box Dimensions:	10 in. (254 mm) wide by 17 in. (432 mm) high by 5 in. (127 mm) deep with a 1-1/4 in. (32 mm) flange. A 4-3/16 in. (106 mm) circular 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.	

4	Dryer Vent Box		The box is formed from 22 gauge galvanized steel.
		Trim Ring Dimensions:	9-7/8 in. (251 mm) wide by 16-7/8 in. (429 mm) high by 1-5/8 in. (41 mm) deep with a 1-5/16 in. (33 mm) flange. The trim ring is made from 25 gauge galvanized steel.
		Caulking:	PFP 4800DW
		Installation:	A nominal 2 x 4 in. (50 x 100 mm) stud is installed into the stud cavity 10-3/4 in. (273 mm) from a 2 x 6 in. (50 x 152 mm) stud. The dryer vent box was fastened to the 2 x 4 in. (50 x 100 mm) and 2 x 6 in. (50 x 152 mm) studs through three holes on each side 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.
5	Vent Pipe	Size:	4 in. (101 mm) Round
		Type:	26 gauge galvanized steel

Note:

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