

STI/PV 60-02

Through Penetration
SpecSeal SSC Collar
SpecSeal RED2 WrapStrip
SpecSeal LCI
SpecSeal SSP Putty

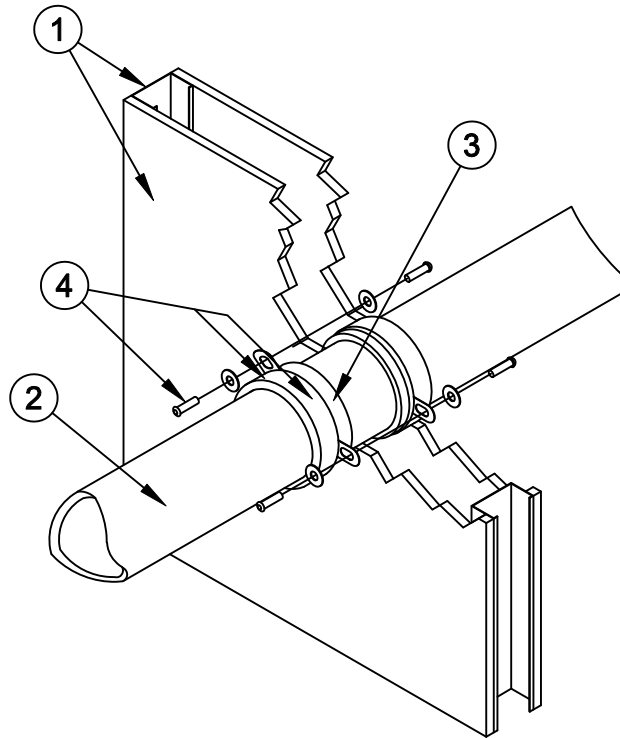
CAN/ULC S115-05 at 50Pa (0.20" of Water)

See Chart for Ratings

Pipe Diam. (In.) ¹	Wrap Strip Size Thick x Width [Number of layers] (In.) ¹	Diam. of Opening (In.) ¹	Number of Fasteners	Penetrating Item Material ²	Rating (min)		
					F	FT	FTH
1-1/2	SpecSeal SSC 150 1/4 x 1-1/2 [2 layers]	2	2	CPVC, PVC, ccPVC, RCN, ABS, ccABS Sch 40	60	60	60
				XFR 15/50 Sch 40	60	0	0
2	SpecSeal SSC 200 1/4 x 1-1/2 [2 layers]	2.5	2	CPVC, PVC, ccPVC, RCN, ABS, ccABS Sch 40	60	60	60
				XFR 15/50 Sch 40	60	0	0
3	SpecSeal SSC 300 3/8 x 1-1/2 [3 layers]	4	3	CPVC, PVC, ccPVC, RCN, ABS, ccABS Sch 40	60	30	60
				XFR 15/50 Sch 40	60	0	0
4	SpecSeal SSC 400 1/2 x 1-1/2 [4 layers]	5	3	CPVC Sch 40	60	30	60 (FH only)
				PVC, ccPVC, RNC, ABS, ccABS Sch 40,	60	60	0

¹ Convert inches to millimeters by multiplying by 25.4.

² XFR 15/50 PVC, Proprietary Extra Fire Resistant Polyvinyl Chloride, CPVC-Chlorinated Polyvinyl Chloride, PVC-Polyvinyl Chloride, ccPVC Cellular Core Polyvinyl Chloride, RNC Rigid Non-metallic Conduit (Made of PVC Sch 40 or thinner), ABS-Acrylonitrile Butadiene Styrene, ccABS-Cellular Core Acrylonitrile Butadiene Styrene



Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876

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1. **GYPSUM WALL ASSEMBLY** - Use 1- hour fire rated wall assembly consisting of minimum 25 GA galvanized steel studs spaced maximum 24 inch (610mm) on center. measuring 3-1/2 inch (89mm) wide with 1-1/4-inch (32mm) legs. Attach studs with min. #6 x 3/8-inch (10mm) steel stud framing screws to channel shaped floor and ceiling tracks measuring 1/2-inch (13mm) deep by 3-1/2-inch (89mm) wide. Secure tracks to floor and ceiling with 1-inch (25mm) concrete fasteners spaced maximum 18 inches (457mm) on center. Secure floor and ceiling runners with minimum 3-inch concrete fasteners spaced maximum 18 inches (457mm) on center. Cover studs and runners with one layer of 5/8-inch (16mm) thick, Type X gypsum wallboard on each face. Fasten the gypsum wallboard to steel studs with minimum #6 1-1/4-inch (32mm) bugle head phillips fine thread drywall screws spaced maximum 12 inches (305mm) on center. Joint Tape and Compound - vinyl or casein, dry or premixed joint compound applied to face layers of gypsum wallboard in two coats to all exposed screw heads and gypsum wallboard joints. A minimum 2-inch (51mm) wide paper, plastic or fiberglass tape embedded in first layer of compound over joints in gypsum wallboard. Create a round through opening with a diameter corresponding to the Penetrating Item (Item 2) diameter as listed in the Chart.

2. **PENETRATING ITEM** - Refer to the Chart for Penetrating Item type and size. Eccentrically position in the opening made in the Wall Assembly (Item 1) a Schedule 40 pipe for use in vented piping system. Establish an annular space between the Penetrating Item (Item 2) the edge of the opening in the Wall Assembly (Item 1) according to the Chart.

3. **CERTIFIED MANUFACTURER: SPECIFIED TECHNOLOGIES INC.**
CERTIFIED PRODUCT: Sealant
MODEL: SpecSeal® SSP Putty or SpecSeal® Series LCI Intumescent Sealant
FILL, VOID OR CAVITY MATERIAL - Apply a minimum 5/8 inch (16mm) depth of sealant fill material in the annular space between the Wall Assembly (Item 1) and the Penetrating Item (Item 2) flush with both Faces of the Wall Assembly (Item1).

4. **CERTIFIED MANUFACTURER:** Specified Technologies Inc.
CERTIFIED PRODUCT: Prefabricated intumescent collar **MODEL:** SpecSeal SSC Collar (see Chart for applications)
COLLAR - Install around the Penetrating Item (Item 2) in accordance with the accompanying installation instructions. Device incorporates anchor tabs for attachment to the wall surfaces of the Gypsum Wall Assembly (Item 1). Secure collar to wall surfaces with minimum #6-32 by minimum 2-inch (51mm) long steel hollow wall anchors in conjunction with minimum 1 inch (25mm) diameter steel fender washers. The number of fasteners is dependent upon the nominal diameter of the Penetrating Item (Item 2). Refer to chart for applicable number of fasteners.

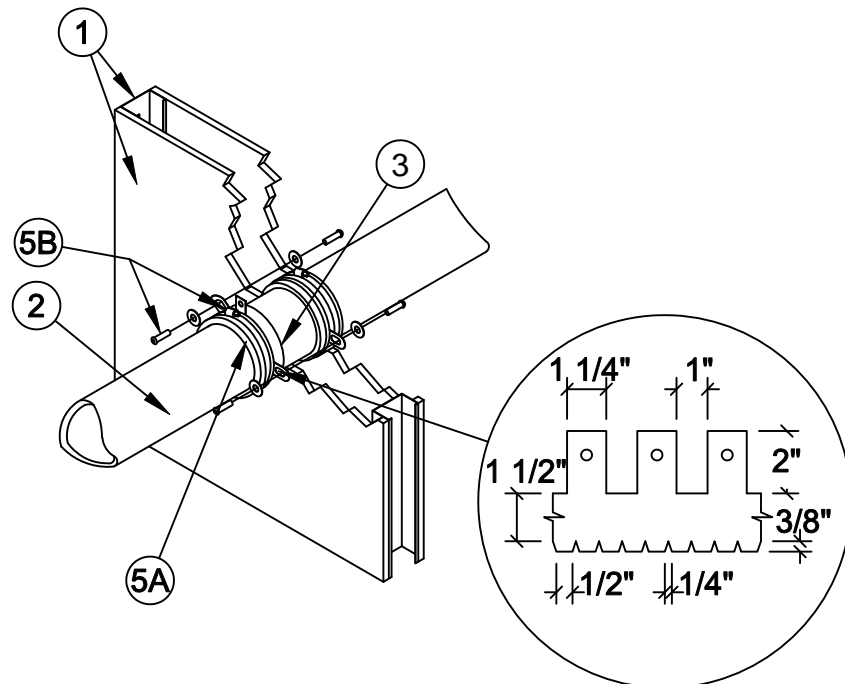


Fig. 2: Optional Steel Collar and SpecSeal RED2 Wrap Strip with hose clamp.

5. **FIELD ADAPTED COLLAR AND WRAP ASSEMBLY** - Use the following as an alternative to Collar (Item 4)

A. **CERTIFIED MANUFACTURER:** Specified Technologies Inc.

CERTIFIED PRODUCT: Intumescent Wrap Strip

MODEL: SpecSeal RED2 Wrap Strip (see Chart for applications)

WRAP STRIP - As an alternate to Collar (Item 4) and in conjunction with Restraining Collar (Item 5B), nominal 1/8-inch (3mm) thick by 1-1/2-inch (38 mm) wide SpecSeal RED2 Wrapstrips faced on both sides with a plastic film. Strips tightly wrapped around nonmetallic pipe with edges butted against the underside of the floor. The wrap strips may be installed with butted seams in successive layers aligned or offset or continuously wrapped around the Penetrating Item (Item 2). Temporarily hold Wrap Strip layers in place with tape. See Chart for minimum number of layers required per nominal pipe size.

B. **STEEL COLLAR** - As an alternate to Collar (Item 4) and in conjunction with Wrap Strip (Item 5A) use a nominal 1-1/2-inch (38mm) deep collar with 1-inch (25mm) wide by 2-inch (51mm) long anchor tabs for attachment to Gypsum Wall Assembly (Item 1) and minimum 1/4-inch (6mm) wide retaining tabs located opposite the anchor tabs. Steel collar, with anchor tabs bent outward 90 degrees, wrapped tightly around wrap strip layers with minimum 1-inch (25mm) overlap at seam. Retainer tabs to be bent 90 degrees toward pipe to lock wrap strips in position. Anchor tabs to be pressed tightly against the wall surface(s). Collar to be secured in place with one 1/2-inch (13mm) wide by 0.028-inch (0.7mm) thick stainless steel hose clamp. As an alternate to the hose clamps, collar secured together by means of three No. 8 by 1/4-inch (6 mm) long steel screws. Collar to be secured to wall surface(s) with minimum #6-32 by minimum 2-inch (51 mm) long steel hollow wall anchors in conjunction with minimum 1 inch (25 mm) diameter steel fender washers. The number of fasteners is dependent upon the nominal diameter of the Penetrating Item (Item 2). Refer to chart for applicable number of fasteners.



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