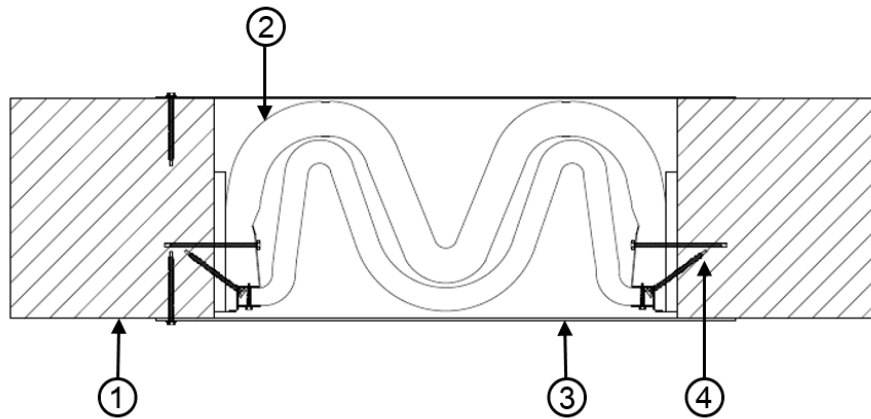


Construction Specialties, Inc.
Design No. CSI/EJCA-120-03
Wall Joint System
FB-17 Fire Barrier
ASTM E 1966, UL 2079
Rating: 2 Hour
UL 2079

L-Rating < 1 CFM/LF (Ambient and Elevated)

ASTM E 1399

Cycling – Class IV (See Table 1)



| Model No. | Nominal Joint Size | Max. Width | Min. Width |
|---------------------|--------------------|------------|------------|
| 2FB-17-6W9 | 6 in. | 9 in. | 3 in. |
| 2FB-17-8W12 | 8 in. | 12 in. | 3 in. |
| 2FB-17-10W15 | 10 in. | 15 in. | 3 in. |
| 2FB-17-12W18 | 12 in. | 18 in. | 3 in. |
| 2FB-17-14W21 | 14 in. | 21 in. | 4 in. |
| 2FB-17-16W24 | 16 in. | 24 in. | 4 in. |
| 2FB-17-18W27 | 18 in. | 27 in. | 4 in. |
| 2FB-17-20W30 | 20 in. | 30 in. | 4 in. |

Table 1.

1. SUPPORTING CONSTRUCTION: A 2 hour fire resistance rated wall assembly meeting the min. construction requirements of one of the following options:

A. STEEL STUD WALL ASSEMBLY – Install in accordance with the corresponding listed design. Use min. 25 GA steel studs spaced max. 24 in. on center (oc) with 3-5/8 in. web and 1-1/4 in. flange. Apply two layers of 5/8 in. thick, Type X gypsum wallboard



on each side of the wall assembly. Install double studs on both sides of the joint, and cover joint face with two layers of 5/8 in. thick, Type X gypsum wallboard with staggered joints.

- B. **WOOD STUD WALL ASSEMBLY** – Install in accordance with the corresponding listed design. Use nominal 2 in. x 4 in. wood studs spaced max. 24 in. oc. Apply two layers of 5/8 in. thick, Type X gypsum wallboard on each side of the wall assembly. Install double studs on both sides of the joint, and cover joint face with two layers of 5/8 in. thick, Type X gypsum wallboard with staggered joints.
- C. **CONCRETE OR MASONRY WALL ASSEMBLY** – Install in accordance with the corresponding listed design. Use a min. 2 hour fire resistance rated concrete or masonry wall assembly with a min. thickness of 6 in.

2. CERTIFIED MANUFACTURER: Construction Specialties, Inc.

CERTIFIED PRODUCT: FB-17 Fire Barrier

CERTIFIED MODELS:

2FB-17-6W9, 2FB-17-8W12, 2FB-17-10W15, 2FB-17-12W18, 2FB-17-14W21, 2FB-17-16W24, 2FB-17-18W27, 2FB-17-20W30

JOINT TREATMENT: Fire barrier composed of 20 GA galvanized steel retainers, layered fabric, metallic and fibrous components, mechanically attached to the wall assembly (Item 1). Install joint treatment in accordance with manufacturer's installation instructions. See Table 1 for models and movement ranges.

- 3. **JOINT COVER:** Min. 20 GA joint cover installed on both sides of joint formed of aluminum, bronze, stainless steel, or galvanized steel. Joint covers anchored to wall in accordance with manufacturer's installation instructions.

RESTRICTED FIRE EXPOSURE SIDE CONDITION

(Not Shown): In conditions where only one joint cover is installed, the 2 hour fire resistance rating only applies if the fire exposure is from the side opposite of the joint cover. This restriction does not apply to chase wall conditions (see below).

CHASE WALL CONDITION (Not Shown):

In conditions where the linear opening is enclosed within a 2 hour fire resistance rated chase wall, the cover plate is only required on the side of the joint not enclosed within the chase wall. A joint cover consisting of a creased 2 mil stainless steel foil secured with 1 in. wide continuous galvanized steel washer strips along each side of the joint may be installed in lieu of the min. 20 GA joint cover.

- 4. **FASTENERS:** Fasteners must be spaced max. 18 in. oc to attach the joint treatment and joint cover to assembly, and must meet the following min. requirements:

- A. **STEEL STUD WALL ASSEMBLY** – #10 self-drilling screws.
- B. **WOOD STUD WALL ASSEMBLY** – #10 wood screws.
- C. **CONCRETE OR MASONRY WALL ASSEMBLY** – 3/16 in. diameter concrete or masonry anchors as applicable.