

InPro Corporation
Design No. INC/EJCA 120-10
Wall Joint System
Fireline F940L
CAN/ULC S115, and UL 2079
Rating: 2 Hour
ASTM E1399
Cycling – Class IV

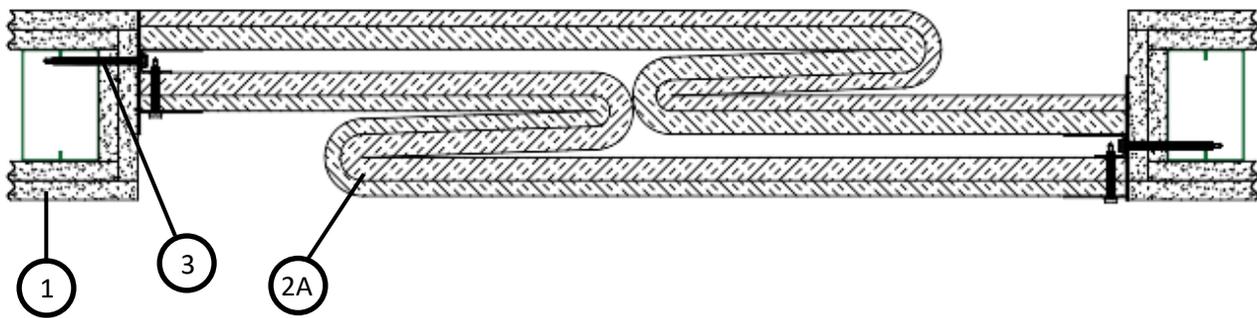


Figure 1.

Nominal Joint Size	Min. to Max. Opening
16 to 32 in.	11 to 48 in.

Table 1. Joint Size

- SUPPORTING CONSTRUCTION:** Min. 2-hour rated gypsum wall assembly made from min. two layers of 5/8-in. thick Type X gypsum board, fastened to min. 25 GA steel studs or min. 2x4 wood studs in accordance with the corresponding listed design. Install steel box studs or wood double studs on both sides of the joint. Min. two layers of 5/8 in. Type X Gypsum board must be present in the throat of the joint as shown in Figure 1.
- WALL JOINT SYSTEM:** A 48-in. max. joint width, prefabricated system composed of a rigid metallic architectural joint system and a two-package, flexible S-shaped fire barrier system.

Attach mechanical components to the gypsum wall assembly using pre-attached flanges and fasteners (Item 3). Joint system may be installed facing either direction.

- A. **CERTIFIED MANUFACTURER:** InPro Corporation

CERTIFIED PRODUCT: Fireline F940L Joint System

CERTIFIED MODEL: 48-in. Maximum Joint

- B. **COVER PLATE:** (Not Shown) Install on both sides of joint (noted exception for Item 2C), Inpro’s min. 3/16-in. thick, aluminum,



crowned cover plate with fasteners (Item 3). Cover plate must overlap supporting wall construction by min. 2-3/4 in. on each side of opening. Use prefabricated center bars (1 ft. oc, vertically) to secure plate to aluminum frames on both sides of the joint opening. Alternatively, cover plate may be constructed of bronze, stainless steel, or galvanized steel.

- C. **CHASE WALL CONDITION:** (Not Shown): In conditions where the linear opening is enclosed within a 2-hr fire resistance rated chase wall, as an alternative to the cover plate (Item 2B), use a joint cover consisting of 2 mil. stainless steel foil secured to the supporting construction (Item 1) framing on

both sides of the joint with min. 1-in. wide, min. 20 GA galvanized steel straps and min. #10 × 2 in. long, truss-head screws spaced max. 12 in. oc.

3. **FASTENERS:** Use zinc-plated steel, min. 10 × 2 in. and 10 × 2-1/2 in., hex head, self-drilling screws placed 12 in. oc. Screw through each of the respective component packages' (Item 2A) flanges to the supporting studs. Use min. # 10 × 2 in., flathead, self-drilling screws for attaching the cover plate (Item 2B) spaced 12 in. oc.

ASTM E1399 Cycling:
Class IV Cycling, 11-in. min. to 48-in. max.

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.