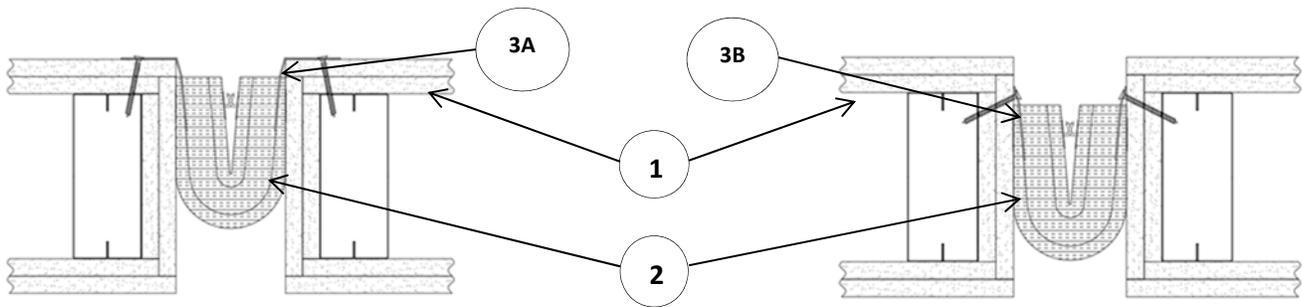


InPro Corporation
Design No. INC/EJCA 120-08
Wall Joint System
Fireline F520 (Nominal Joint 4 thru 20 in.)
UL 2079, CAN/ULC S115-11
Rating: 2 Hour
ASTM E1399
Cycling – Class IV

80% Movement (50% Horizontal Movement also Acceptable)



(Top Mount)

(Inside Mount)

Blanket Layers	Nominal Joint Size	80% Max Opening
4	4 to 20 in.	7-1/4 to 36 in.

Table 1. Joint Sizes

- SUPPORTING CONSTRUCTION:** Construct a 2 hour rated gypsum wall assembly made with two layers of 5/8 in. thick gypsum board, fastened to metal studs in accordance with the listed wall assembly design. Gypsum board must be installed in the throat of the joint opening as shown in Figure 1.
- WALL JOINT SYSTEM:** Install a 20 in. nominal joint width, prefabricated system composed of a rigid metallic architectural joint system and a flexible U-shaped fire barrier. Attach mechanical components to the supporting construction (Item 1). Max. joint opening is 36 in.

A. **CERTIFIED MANUFACTURER:** InPro Corporation

CERTIFIED PRODUCT: Fireline F520 Top Mount Wall Joint System Series

CERTIFIED MODEL: F520-2TM-20WL; 20 in. nominal joint, rated for a max. opening of 36 in.

F520 Part Number Example/Explanation:
F520 (Brand/Product Name);
2 (Hourly Rating);
TM (Flange Type – Top Mount);
20 (Nominal Joint Width);
WL (Condition – Wall to Wall)

The top mount wall joint system is attached to the gypsum wall surface of the supporting construction (Item 1) on each side of the joint opening in the wall assembly using #10 diameter × 2-1/2 in.



long flat-head, self-drilling screws spaced nominally 12 in. on center (oc).

- B. **COVER PLATE:** (Not Shown) Install a metal plate with a min. thickness of 1/8 in. and width of 6 in. greater than the joint opening. Secure the cover plate to the supporting construction (Item 1) on both sides of the joint opening with #10 × 2-1/2 in. long, truss-head screws spaced 18 in. oc.
3. **MOUNTING:** Use a min. 3 in. × 3 in., 16 GA, galvanized or non-galvanized steel expanded metal. Attach with fasteners (Item 4), into the

supporting construction (Item 1) as shown in Figure 1.

- A. Top Mount – Top Flange
B. Inside Mount – Inside Flange
4. **FASTNERS:** (Not Shown) Use nominal #10 diameter × 2-1/2 in. long self-drilling screws, spaced 12 in. oc. Screw through the top flange of the Top Mount and through the inside flange of the Inside Mount to attach the different systems to walls.

ASTM E1399 Cycling:
Class IV Cycling at 80%