

STARC Systems, Inc.
Design No. SS/DP 60-02
Non-Load Bearing Ceiling Panel System
FireblockWall Cap
ASTM E119
Rating: 60 min.

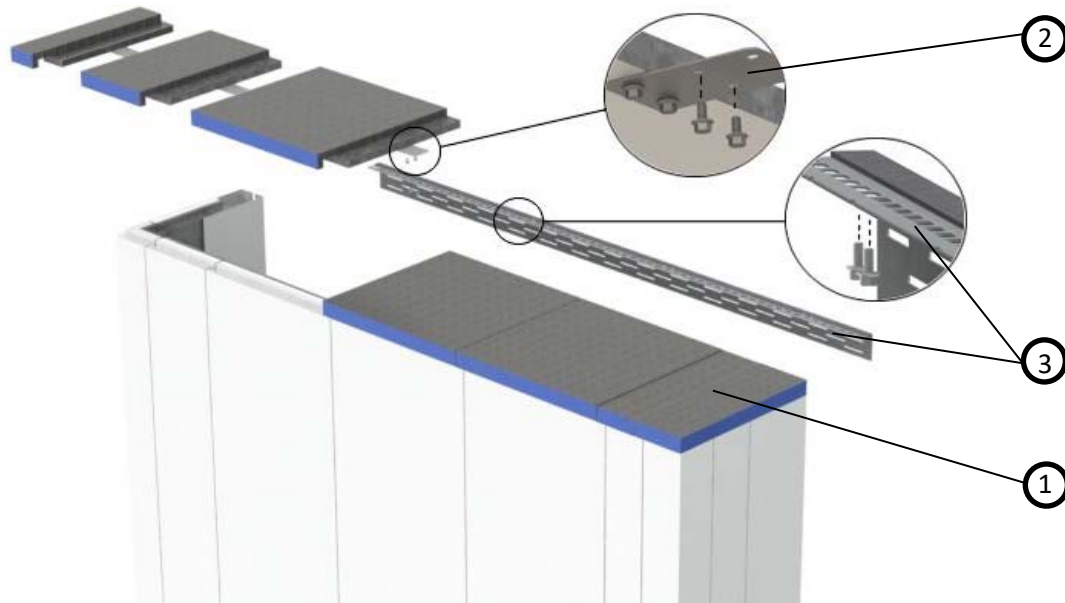


Figure 1. Example of FireblockWall Cap Installation.

1. FIREBLOCKWALL CAP: Insulated Steel Panels.

CERTIFIED PRODUCT: STARC Systems, Inc., Interlocking Insulated Steel Panel System; FireblockWall Cap.

The prefabricated ceiling cap panels consist of a fire resistive core and reinforced perimeter. The 2 in. thick panels are available in widths of 6 in., 12 in., 24 in., 48 in., and max. length of 24 in. The panels may be installed in a level, horizontal orientation by slotting them within one another along the adjacent shiplap joints with a max., nominal 0.1-in. wide gap between panels. Latch front of panels to matching-width STARC FireblockWall panels (Intertek Design No. SS/DP 60-01) using the imbedded strike/latch points (min. 0 for 6 in., 1 for 12 in., 2 for 24 in., and 3 for

48 in. panels). Secure panel to panel joints using manufacturer-provided joiner platers (Item 2) and factory-drilled holes. Secure back of panels to manufacturer-provided wall bracket (Item 3) with a max. 1/2 in. gap between back of panel edge and supporting wall.

- 2. JOINER PLATES:** Fasten panel to panel joints using STARC-provided joiner plates. Use a min. of 1 plate on both top and bottom sides of each panel (Item 1) using 2, 1/4×20 flanged hex head screws per panel, per side, or 4 total per plate, aligning holes of plate with predrilled holes on panel (Item 1), as shown in Figure 1.
- 3. WALL BRACKET:** Install STARC-provided, wall bracket with 1 in. intumescent strip to supporting wall using min. 2, No. 10 steel



screws, spaced max. 16 in. o.c. (on center). Position the bracket horizontally, with the flange on top, and a set height so that the Cap panels (Item 1) are horizontal and the flange supports the panels (Item 1) so that they are level when attached to the FireblockWall. Secure panels (Item 1) to bracket using 2, 1/4×20 flanged hex head screws at predrilled

holes on underside of each panel (Item 1) as shown in Figure 1.

4. **CAP CORNER:** Use STARC's prefabricated, steel, 90-deg, max. 6 in. wide, corner sections as necessary. The corner sections consist of a fire resistive core and reinforced perimeter. Attach corners to cap panels using the same shiplap joints and joiner plates (Item 2).

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.