

MODEL FB17UM FIRE BARRIER

90° TRANSITION

INSTALLATION INSTRUCTIONS



IMPORTANT INFORMATION

Prior to the commencement of Installation, all materials **MUST** be inspected for Damage. Any damage must be reported to CONSTRUCTION SPECIALTIES, INC., as soon as possible, so that replacement materials may be furnished without delay.

All work must be completed as per Architect's Approved "Shop Drawings", and in accordance with these Installation Instructions. When installation is complete, all materials must be protected from damage until the Architect's FINAL INSPECTION.

All materials should be arranged in the order that they are to be installed. All hardware required for each portion of the work should be placed with the appropriate materials.

Please review all Approved Shop Drawings and this Document to familiarize yourself with all the details and components of this assembly.

IMPORTANT:
READ THROUGH ALL INSTRUCTIONS PRIOR TO STARTING INSTALLATION

5/11/2023



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General Instructions:

ALWAYS WEAR GLOVES when handling and cutting the barrier.

Before beginning installation, review the architectural drawings and approved Construction Specialties Inc. shop drawings to familiarize yourself with the joint cover models and locations.

Check all of the joint cover components to confirm that the correct joint cover model and size have been received. Also, check for materials that may have been damaged during shipping. Report all incorrect and/or damaged components to CS at 800-233-8493.

Read through all the steps of these instructions prior to beginning work. See separate installation instructions for straight runs of fire barriers.

TOOLS:

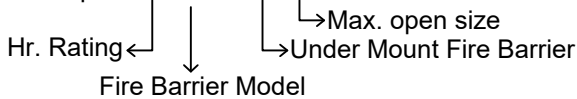
The following tools may be needed for installation of the FB17UM fire barriers:

- Fabric or Leather Work Gloves
- Measuring Tape
- Hammer Drill
- Permanent Marker
- Tin Snips or Grinder
- Hammer
- Utility Knife
- Drill
- Quick Grip Clamps

Model designating - FB17UM supplied is based on the max. open width.

FB17 Nomenclature

Example: 2FB17 - UM12



To view / download Installation Instructions for FBUM17 visit
www.c-sgroup.com/expansion-joint-covers/accessories/fbum-17

STEP 1

FLOOR FIRE BARRIER & WALL STRIPS

Note: The following instructions are to be used to creating a 90° floor to wall transition from two fire barrier segments.

- 1.1) Install the UM fire barrier floor section following installation instructions of 12KBU. Extend the UM floor fire barrier into wall cavity deep enough to catch the entire drape of the wall fire barrier. (Fig. 1A)
- 1.2) Install the 6" wide wall strips on the vertical wall following installation instruction of 12JJ FB17 wall fire barrier. (Fig. 1B-1C)



(Fig. 1A)



(Fig. 1B)



(Fig. 1C)

STEP 2

WALL FIRE BARRIER SEGMENT

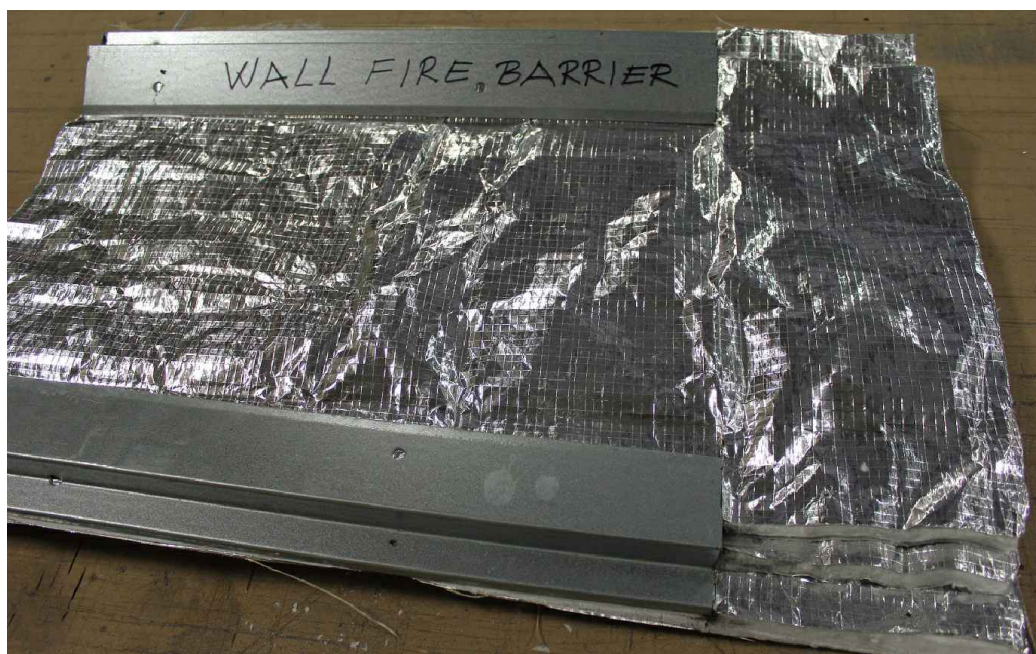
- 2.1) To find the Floor Drap Depth (DD) measuring the height from the drape to the retainer edge. (Fig. 2A)
- 2.2) Lay the Wall Fire Barrier length on a flat surface, from the cut end, measure in and mark the floor DD plus 2" on the retainers. Using a grinder cut off the wall Galvanized Retainers along the marked cutting lines. (Fig. 2B-2C)



(Fig. 2A)



(Fig. 2B)

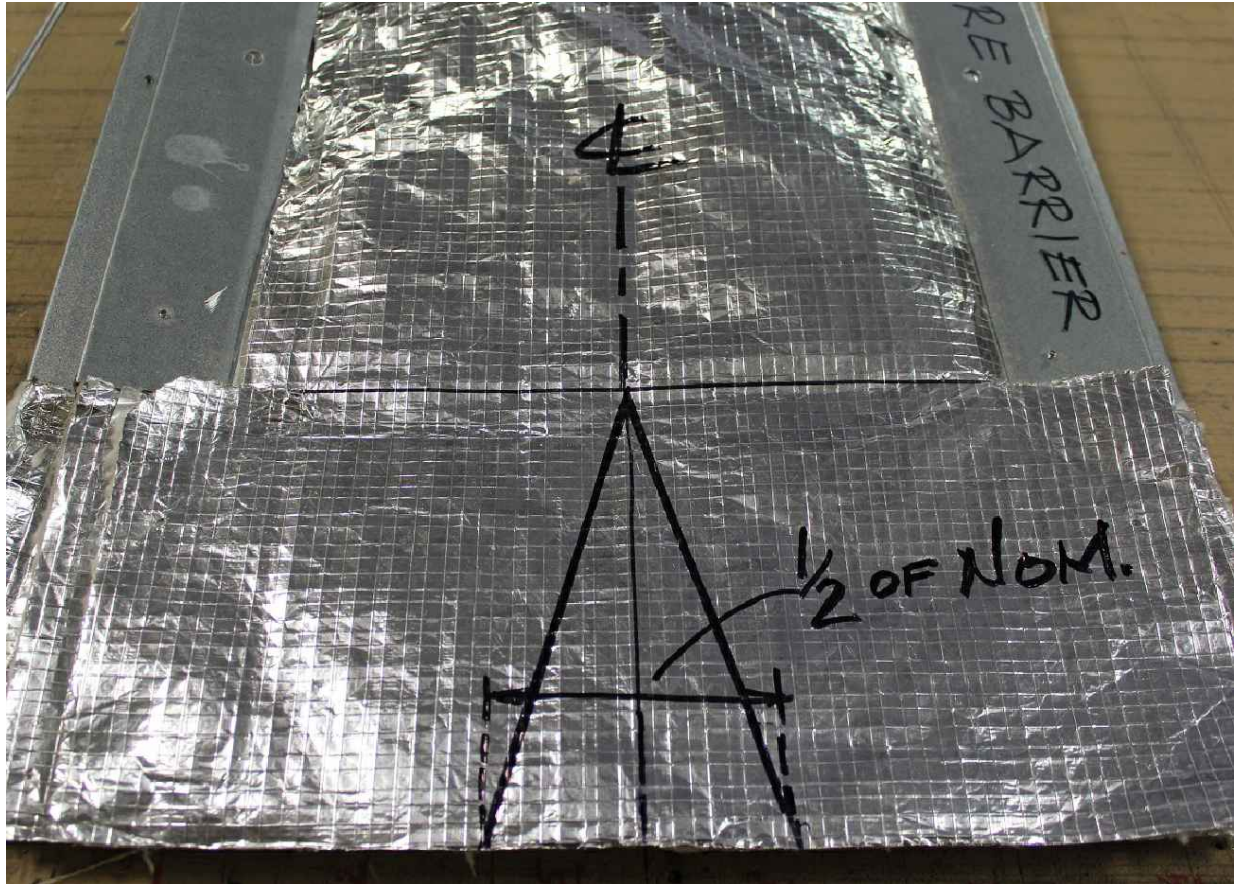


(Fig. 2C)

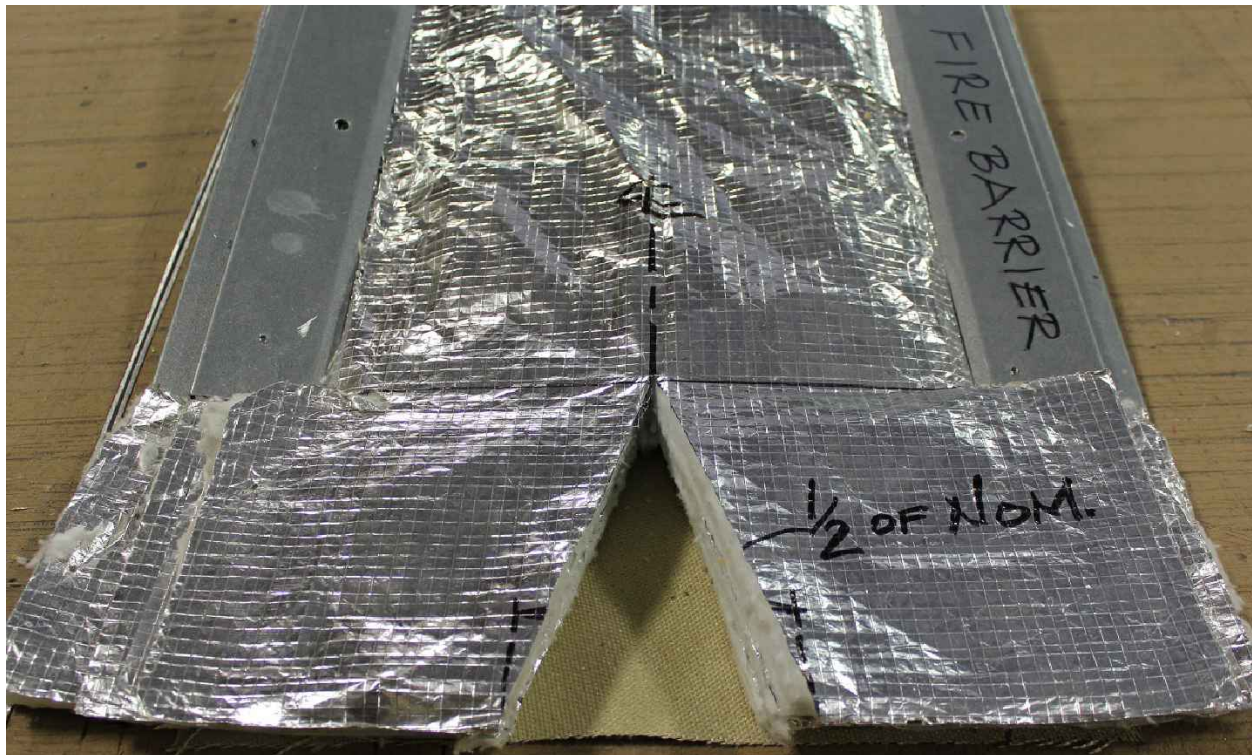
STEP 2 Con't

WALL FIRE BARRIER SEGMENT

- 2.3) Find and mark the center between the fire barrier galvanized flanges. Project the centerline to the cut end of the wall barrier section. Measure $\frac{1}{2}$ of the nominal joint opening each side of centerline. Draw a diagonal line from center point of cut flange line extending downward to nominal mark each side of centerline. Cut and remove the blanket / foil layers leaving the fabric. (Fig. 2D-2E)



(Fig. 2D)



(Fig. 2E)

STEP 2 Con't

WALL FIRE BARRIER SEGMENT

- 2.4) Fold the wall fire barrier segment into to a "U" shape to install into wall cavity. Seat the fire barrier so that the galvanized retainers sit on top of the floor fire barrier and flush with vertical wall substrates. Attach with the supplied fasteners. Fold the "V" cut fire barrier blanket material , over lapping each other, down into the joint cavity. (Fig. 2F)



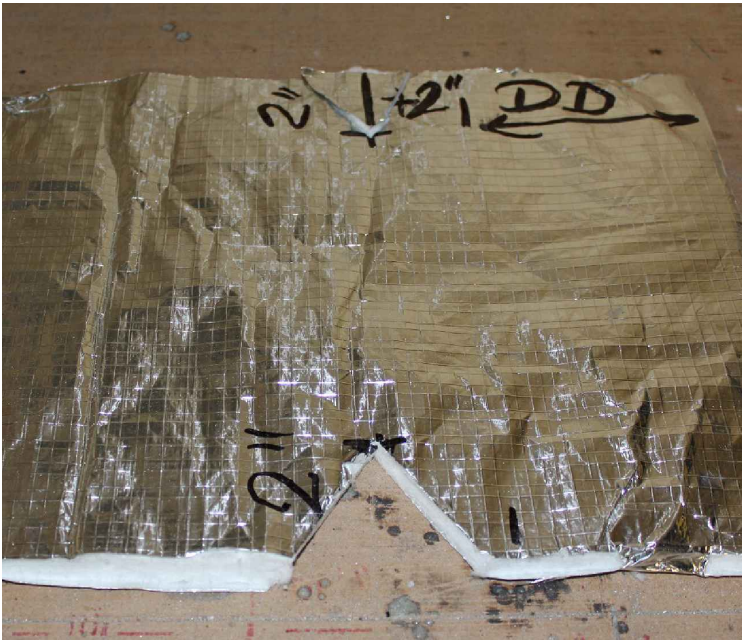
(Fig. 2F)

STEP 3

WALL HEAT SHIELD INSTALLATION

Note: The Wall Heat Shield has been supplied in 50' lengths.

- 3.1) Unroll the Wall Top Heat Shield laying flat. To create a notch on both side of the Top Heat Shield measure and mark from the end the DD plus 2". Measure in 2" from edge and mark. Draw a 45° diagonal line from the 2" edge line back to the edge of the Top Heat Shield. Cut out the triangle creating the notch. (Fig 3A)
- 3.2) Place the Top Heat Shield along the top edge of the Wall galvanized retainer. Temporarily hold in place with a few pieces of foil tape. Attach both the Wall Top Heat Shield and the attachment angle with the supplied fasteners through the galvanized flanges of wall fire barrier. (Fig. 3B)
- 3.4) Apply Foil Tape to seal along the top Heat Shield edges and fire barrier in the joint space. (Fig. 3B)



(Fig. 3A)



(Fig. 3B)