


***BALCO INC***

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***INSTALLATION INSTRUCTIONS  
FOR 7500 SERIES  
75FWGC SERIES  
WALL JOINT COVERS***



# INSTALLATION INSTRUCTIONS FOR BALCO, INC. 75FWGC SERIES WALL AND CEILING EXPANSION JOINT COVERS

The following installation instructions are very important. Read them carefully, and be sure you understand them completely before you begin any work.

## STORAGE & HANDLING

The expansion joint covers are shipped unassembled. Upon receipt, this product should be stored in the horizontal position in a clean, dry location. This is a finished product. Store this product in a protected area.

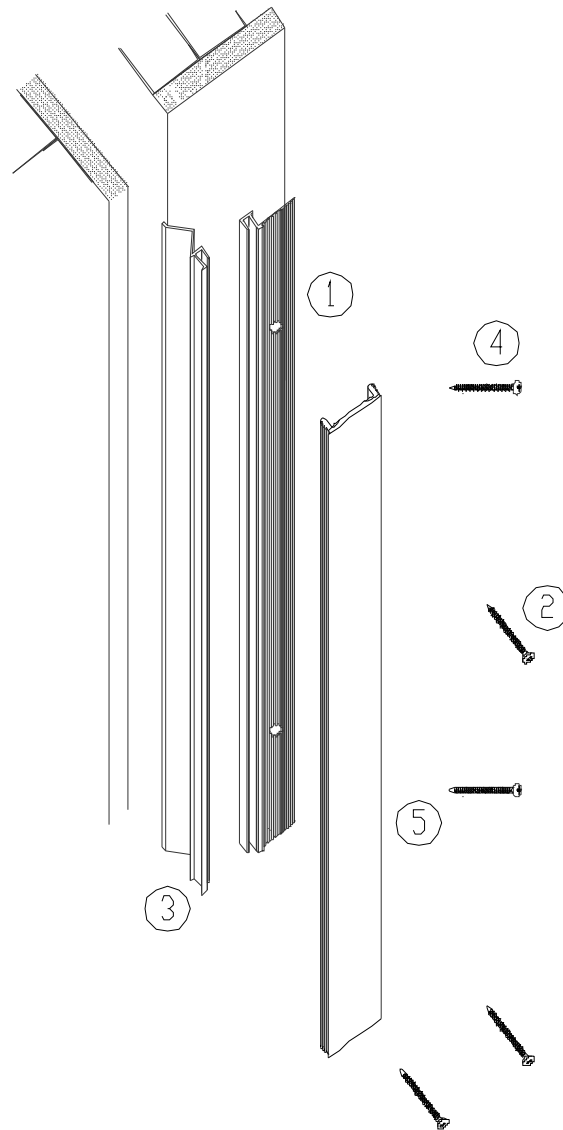


Figure 1

## PARTS

1. Base Member
2. Base Member Anchors
3. Corner Wall Base Member
4. Corner Wall Base Member Anchors
5. Elastomeric Seal (Filler Strip)

## TOOLS REQUIRED

This is a list of tools and materials recommended for use in the installation of these joint systems. Tools and materials in this list are not provided by Balco, Inc.

- A. Markers
- B. Drill Bits for Base Member Anchors
- B. Electric Drill
- C. Phillips and Slotted Screw Drivers
- D. Tape Measure
- E. Level
- F. Utility Knife
- G. Awls
- H. Rubber Mallet
- I. Wooden block
- J. Feathering Materials
- K. Putty Knife or Trowel

## INSTALLATION

These installation instructions are for use in the installation of Expansion Joint Cover Types 75FWGC-1 and 75FWGC-2. The system is illustrated in Figure 1. After the concrete, masonry, or steel stud and gypsum wallboard substrate, wall or ceiling, are in place, the 7500 Series Corner Wall Expansion Joint Cover System may be installed. The joint cover system shall be installed as follows:

**STEP 1.** Review Balco, Inc. approved shop drawings for types and locations.

NOTE: IF FIRE BARRIER IS INSTALLED IN CONJUNCTION WITH THE JOINT COVER SYSTEM, USE THE REQUIRED FIRE BARRIER ANCHOR SPACING FOR THE BASE MEMBERS AND THE WALL SUBCHANNELS.

**STEP 2.** Select a section of the base member. If the anchor holes have not been predrilled in the base members at the factory, mark the locations for the anchor holes on the selected base member (see Figure 2). Standard anchor spacing is 20" O.C. with an anchor at a nominal 3" from each end of the base member. Drill the holes into the base member at the marked locations. Repeat this procedure for each section of the base member.

**STEP 3.** Select a section of the corner wall base member. If the anchor holes have not been predrilled in the corner wall base members at the factory, mark the locations for the anchor holes on the selected corner

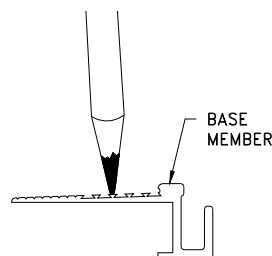


Figure 2

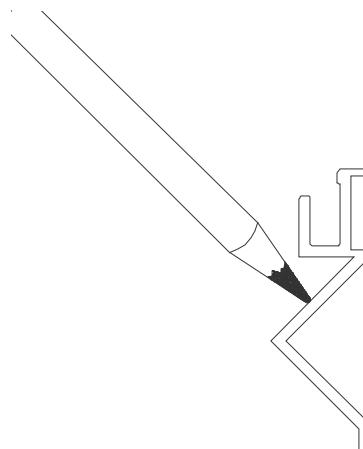


Figure 3

wall base member (see Figure 3). Standard anchor spacing is 20" O.C. with an anchor at a nominal 3" from each end of the corner wall base member. Drill the holes into the corner wall base member at the marked locations. Repeat this procedure for each section of the corner wall base member.

**STEP 4.** Select the corner wall base member, and place it into its installed position in the joint. Ensure that the base member is flush, level, straight, and properly aligned. Using the base member as a template, mark the locations for the anchors on the wall (see Figure 4). Remove the base member from its installed position, and drill the anchor holes into the wall at the marked locations. For concrete walls, drill the anchor holes 1/4" deeper than the length of the anchors. Clean away all dust and debris from the wall.

**NOTE: OBSERVE NORMAL SAFETY PRECAUTIONS WHEN DRILLING TO AVOID ALL UTILITIES AND RE-BAR.**

**STEP 5.** Select a base member, a corner wall base member, and the elastomeric seal. Place the base member and corner wall base member about the width of the elastomeric seal apart on a flat working surface (see Figure 5). Ensure that the base members' channels are facing one another.

**NOTE: THE SEAL IS PROVIDED IN CONTINUOUS ROLLS. IF SPECIFIC LENGTHS ARE REQUIRED FOR INSTALLATION, THESE MUST BE CUT IN THE FIELD. THE SEAL SHOULD BE INSTALLED IN THE LONGEST LENGTHS POSSIBLE.**

**STEP 6.** Insert one of the elastomeric seal's tabs into the channel in the base member. Ensure that the seal's tab is inserted completely into the channel. Insert the elastomeric seal's other tab into the corner wall base member's channel (see Figure 6). Ensure that the seal's tab is inserted completely into the channel.

**STEP 7.** If fire barrier is specified and provided, install the fire barrier at this time. Refer to the installation instructions appropriate for the type of fire barrier provided for the recommended procedures for use in the installation of the fire barrier.

**STEP 8.** Place the assembled joint cover system into its installed position over the joint. Ensure that the

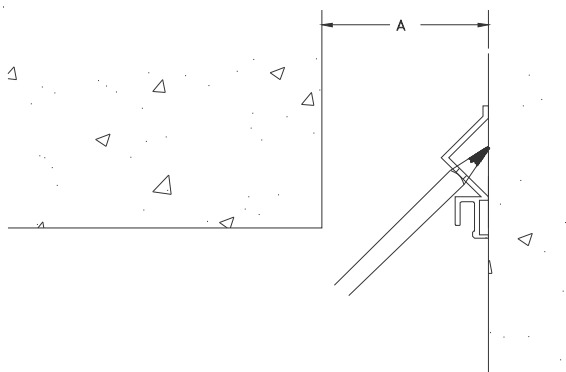


Figure 4

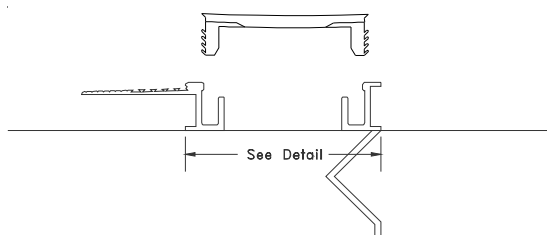


Figure 5

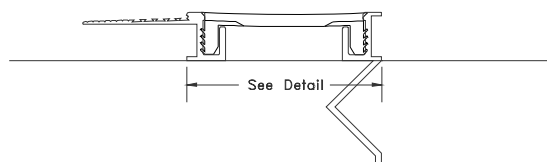


Figure 6

system is plumb, level, properly aligned, and centered over the joint and that the anchor holes in the base member are properly aligned with the anchor holes in the fire barrier's retainers, if applicable, and anchor holes in the concrete.

**STEP 9.** Use the assembled joint cover as a template, and mark the locations for the anchors on the wall (see Figure 7). Ensure that the joint cover is properly centered over the joint. Remove the joint cover system from its installed position, and drill the anchor holes into the wall at the marked locations. For steel stud and gypsum wallboard walls, drill pilot holes into the steel studs for the self-tapping screws. For concrete walls, drill the anchor holes 1/4" deeper than the length of the anchors. Clean away all dust and debris from the wall.

NOTE: OBSERVE NORMAL SAFETY PRECAUTIONS WHEN DRILLING TO AVOID ALL UTILITIES AND RE-BAR.

**STEP 10.** Place the joint cover system into its installed position. Using the fasteners provided by the factory, affix the base members to the substrate (see Figure 8). Balco, Inc. recommends using awls to hold the joint cover system in position during anchoring. Ensure that the joint cover system remains plumb, level, straight, and properly aligned.

**STEP 11.** Repeat the procedures provided in Step 3 and Step 8, as applicable, for each section of the joint cover system. Ensure that the joint cover system is level, firmly supported, and properly aligned. If the edges of the base members are to be feathered, do so at this time (see Figure 9). Balco, Inc. does not provide materials for use in feathering the base member edges. Wipe away any excess feathering materials from the aluminum base members and the elastomeric seal. Apply the feathering material in accordance with the feathering material manufacturer's instructions.

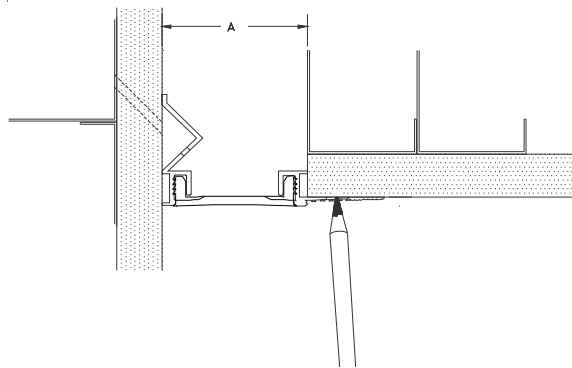


Figure 7

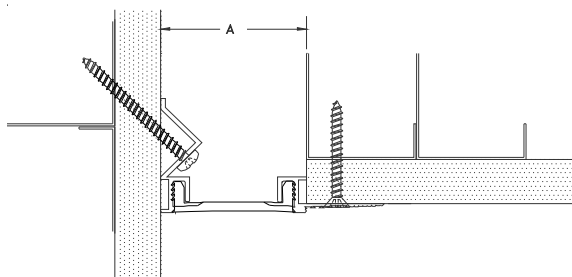


Figure 8

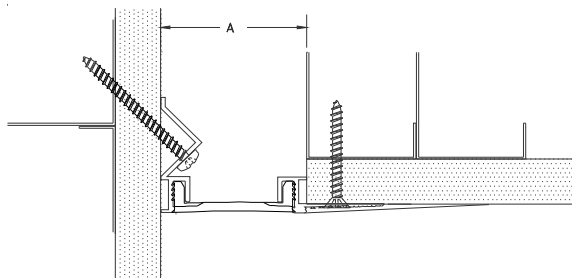


Figure 9

## **WARRANTY POLICY**

Balco, Inc. warrants to its purchasers that all products sold by it will be free from manufacturing and material defects. Any defective product will be replaced or repaired free of any charge, provided a claim is brought to our attention, in writing, within the established warranty period following the date of shipment by us and provided our examination shows the product has failed under the terms of this warranty. The established warranty period for exterior joint cover systems (Duraflex™) is five (5) years provided the systems are installed by a Balco Certified Installer. The established warranty period for grids and mats is two (2) years. The established warranty period for all other Balco, Inc. products is one (1) year. Balco, Inc. will not be responsible for installation costs involved in such repair or replacement. Balco, Inc. shall have no obligation under this warranty if owner subjects materials to improper conditions (refer to Balco's installation instructions) This is in lieu of all other warranties, expressed or implied, and is the sole warranty extended by Balco, Inc. Our liability under this warranty is limited to repair or replacement and does not include any responsibility for consequential or other damage of any nature. It is further agreed and understood that the price stated for the seller's products is consideration for the limitation of seller's liability hereunder.

### **REGISTERED TRADEMARKS:**

"VINYLINES" "SAF-T-GLO"  
"METAFLEX" "SAF-TEN BEVEL"  
"SENTRY" "DURAFLEX"  
"ILLUMI-TREAD"

### **BALCO, INC. PATENT NUMBERS:**

5,357,727; 5,782,044; 5,829,216;  
5,832,678; 6,014,848; 6,115,980;  
6,581,347; 6,942,419; 6,955,017;  
6,962,026; 7,104,717; 7,856,781  
SAF-T-GLO patent pending