

BALCO INC

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***INSTALLATION INSTRUCTIONS
FOR 9500 SERIES
TYPES 95GFTB
EXPANSION JOINT COVERS***

INSTALLATION INSTRUCTIONS FOR BALCO, INC. 95GFTB FLOOR 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. Store this product in the horizontal position in a clean, dry location. This is a finished product. Store this product in a protected area.

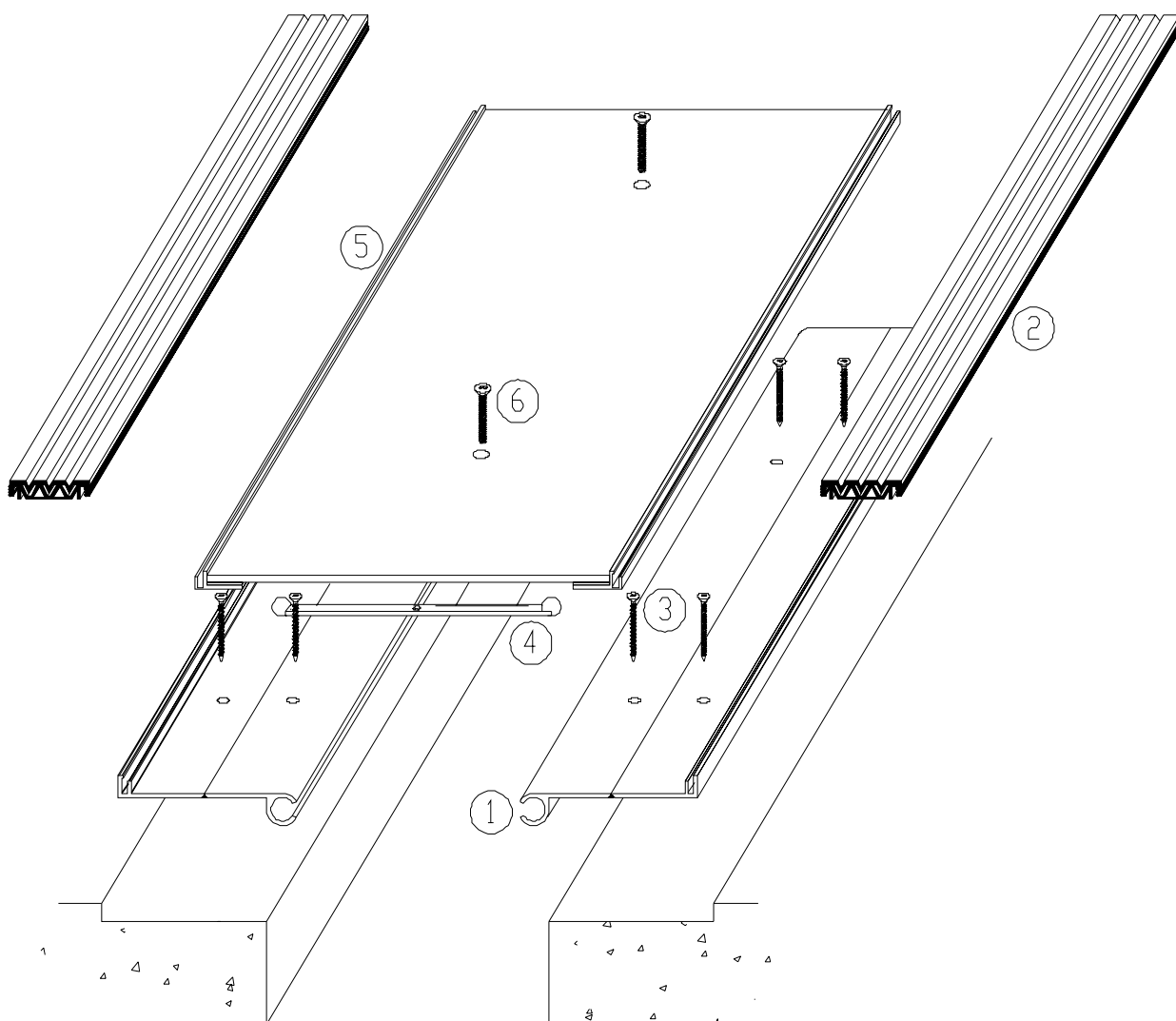


Figure 1

95GFTB- PARTS LIST

1. Base Member
2. Elastomeric Filler
3. Base Member Anchor
4. Centering Bar
5. Center Plate
6. Centering Bar Bolt²

TOOLS REQUIRED

The following tools and materials are recommended for use in the installation of the joint cover system. However, these tools and materials are not provided by Balco, Inc.:

- A. Drill Bits for Metal
- B. Drill Bits for Concrete
- B. Electric Drill
- C. Levels
- D. Tape Measure
- E. Phillips Bits
- F. Rubber Mallet
- G. Wooden block
- H. Grout

INSTALLATION

These installation instructions are for use in the installation of expansion joint cover types 95GFTB Series (see Figure 1). The joint cover system shall be installed as follows:

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

STEP 2. Provide blockouts for Balco, Inc. expansion joint covers in accordance with the approved shop drawings. Blockouts may be formed at the time of the initial concrete pour or at a later time by removing material from the slab. To ensure a good installation, use level and true blockout materials. Inspect the blockouts to see that they are flat, level, sound, and clear of all debris. Prepare and clean the blockouts as needed.

STEP 3. 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. Repeat this procedure for each base member section.

STEP 4. Drill the holes into the base members at the marked locations (see Figure 3).

STEP 5. If fire barrier is specified, install it at this time. Refer to the installation instructions appropriate for the type of fire barrier provided for the recommended procedures to use in the installation of the fire barrier.

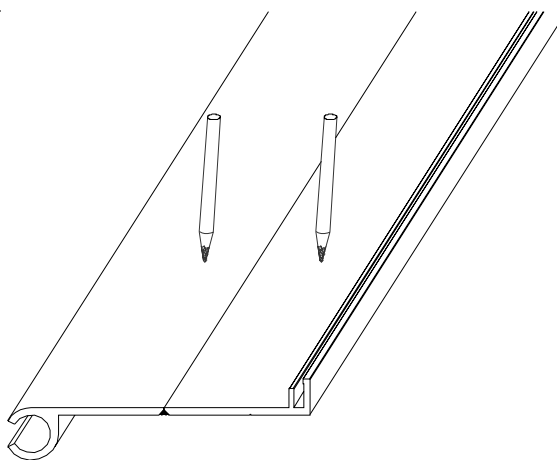


Figure 2

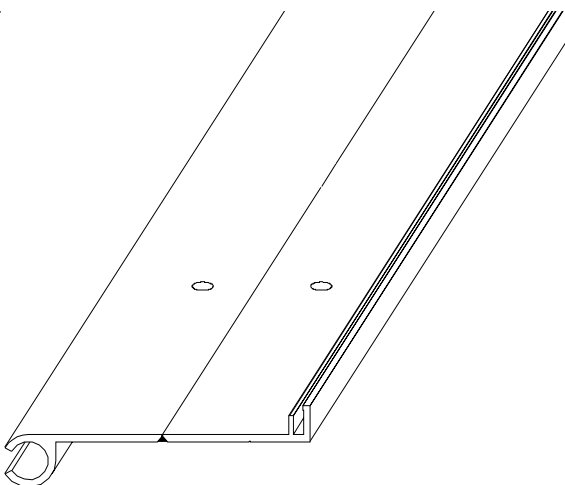


Figure 3

STEP 6. If water barrier is specified, install it at this time. Refer to the installation instructions entitled, "INSTALLATION INSTRUCTIONS FOR BALCO, INC. .045 EPDM WATER BARRIER SYSTEMS" for the recommended procedures for the installation of the water barrier.

NOTE: THE OPTIONAL WATER BARRIER MAY BE EITHER EPDM OR HYPALON. THE INSTALLATION OF THE WATER BARRIER IS THE SAME REGARDLESS OF WHICH OF THESE MATERIALS IS PROVIDED BY THE FACTORY. RECOMMENDED SPLICING METHODS VARY DEPENDING UPON WHICH MATERIAL IS PROVIDED.

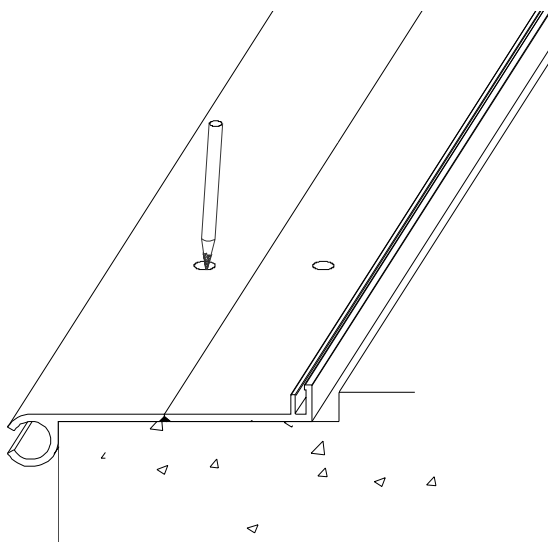


Figure 4

STEP 7. Determine the high side of the joint or block-out. Begin the joint cover system installation on this side of the joint.

NOTE: ENSURE THAT THE JOINT COVER BASE MEMBERS REST FIRMLY AND COMPLETELY ON THE SUBSTRATE SURFACE. ENSURE THAT THE COVER SYSTEM IS LEVEL WITH THE FINISHED FLOOR AND THAT THE SYSTEM IS LEVEL ALONG ITS LENGTH. SHIM AS NEEDED TO LEVEL THE SYSTEM.

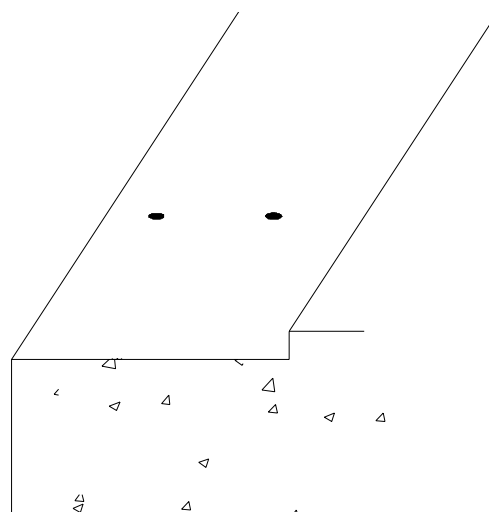


Figure 5

STEP 8. Select a base member, and place it into the blockout in the installed position at the location determined in Step 7. Ensure that the base member is level, flush with the finished floor, and plumb with the edge of the joint. Using the base member as a template, mark the locations for the anchors on the concrete (see Figure 4).

STEP 9. Remove the base member from its position, and drill the anchor holes into the concrete at the marked locations (see Figure 5). Drill the anchor holes 1/4" deeper than the length of the anchors. Clean away all dust and debris from the blockout.

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

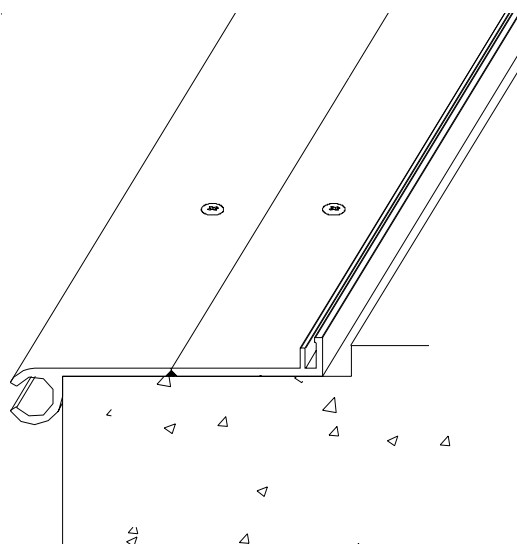


Figure 6

STEP 10. Place the base member back into its installed position in the blockout. Align the anchor holes in the base member with the anchor holes in the concrete. Ensure that the base member is level, plumb, and properly aligned. Attach the base member to the concrete slab using the fasteners supplied by the factory (see Figure 6). Repeat this procedure for the opposite base member.

STEP 11. Place grout (by others) continuously between the base members and the blockout (see Figure 7). Install the grout in accordance with the grout manufacturer's written instructions. Remove all excess grout from the exposed surfaces of the aluminum extrusions before the grout sets up.

STEP 12. After the grout has cured, select the centering bars for the section of the installation. The centering bars are spaced 20" O.C.

NOTE: CENTERING BAR
INSTALLATION MUST BE UNIFORM
WHEN CORRECTLY INSTALLED,
CENTERING BARS WILL TRAVERSE
THE JOINT DIAGONALLY, AND ALL
CENTERING BARS WILL BE PARALLEL
TO ONE ANOTHER.

STEP 13. Using the notch provided in the center of each section of the installed base member, insert one of the centering bar's spheres into the base member's track on one side of the joint. Insert the other centering bar sphere into the opposite base member's track (see Figure 8). Repeat this procedure for each centering bar in the section.

STEP 14. Select a center plate and lay it beside the installed base members. Ensure that the center plate is properly aligned with the base members.

STEP 15. Slide the centering bars into position so that the anchor hole in the center of each centering bar is aligned with the respective anchor hole in the center plate.

STEP 16. Place the center plate into its installed position over the joint. Ensure that each anchor hole in the center plate is aligned with a corresponding anchor hole in a centering bar, and ensure that the center plate is properly centered over the void. Insert the centering bar bolts through the anchor holes in the center plate and

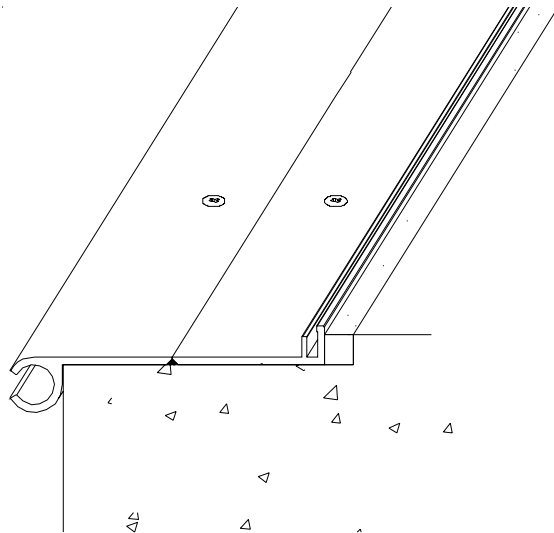


Figure 7

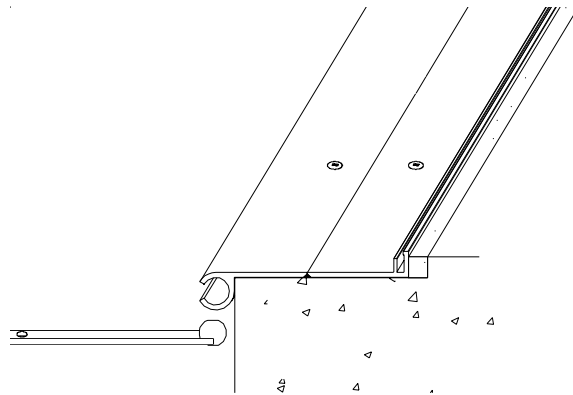


Figure 8

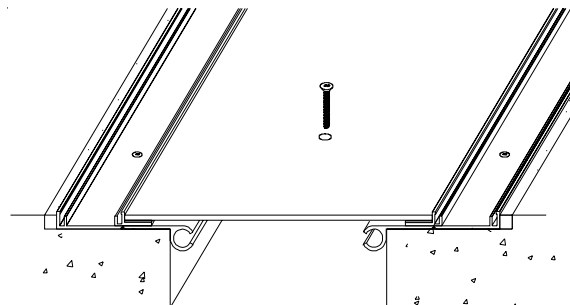


Figure 9

into the anchor hole in the corresponding centering bar (see Figure 9). Hand tighten each centering bar bolt until the center plate is held firmly in position. Do not overtighten the centering bar bolts.

STEP 17. Select the elastomeric fillers. Insert each elastomeric filler's tabs into the corresponding channel in the base member and in the cover plate (see Figure 10). Ensure that each filler's tabs are inserted completely into their corresponding channel.

STEP 18. Install finish floor material, if any, at this time. Install finish floor material in accordance with the instructions provided by the finish floor material manufacturer.

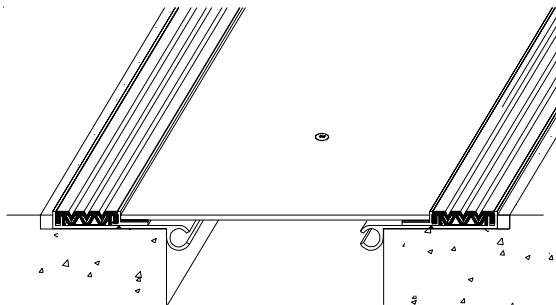


Figure 10

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