

BALCO INC

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*INSTALLATION INSTRUCTIONS
FOR BALCO, INC.
TYPES ACWW
CEILING JOINT COVER SYSTEMS*

INSTALLATION INSTRUCTIONS FOR BALCO, INC. TYPES ACWW SERIES CEILING 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.

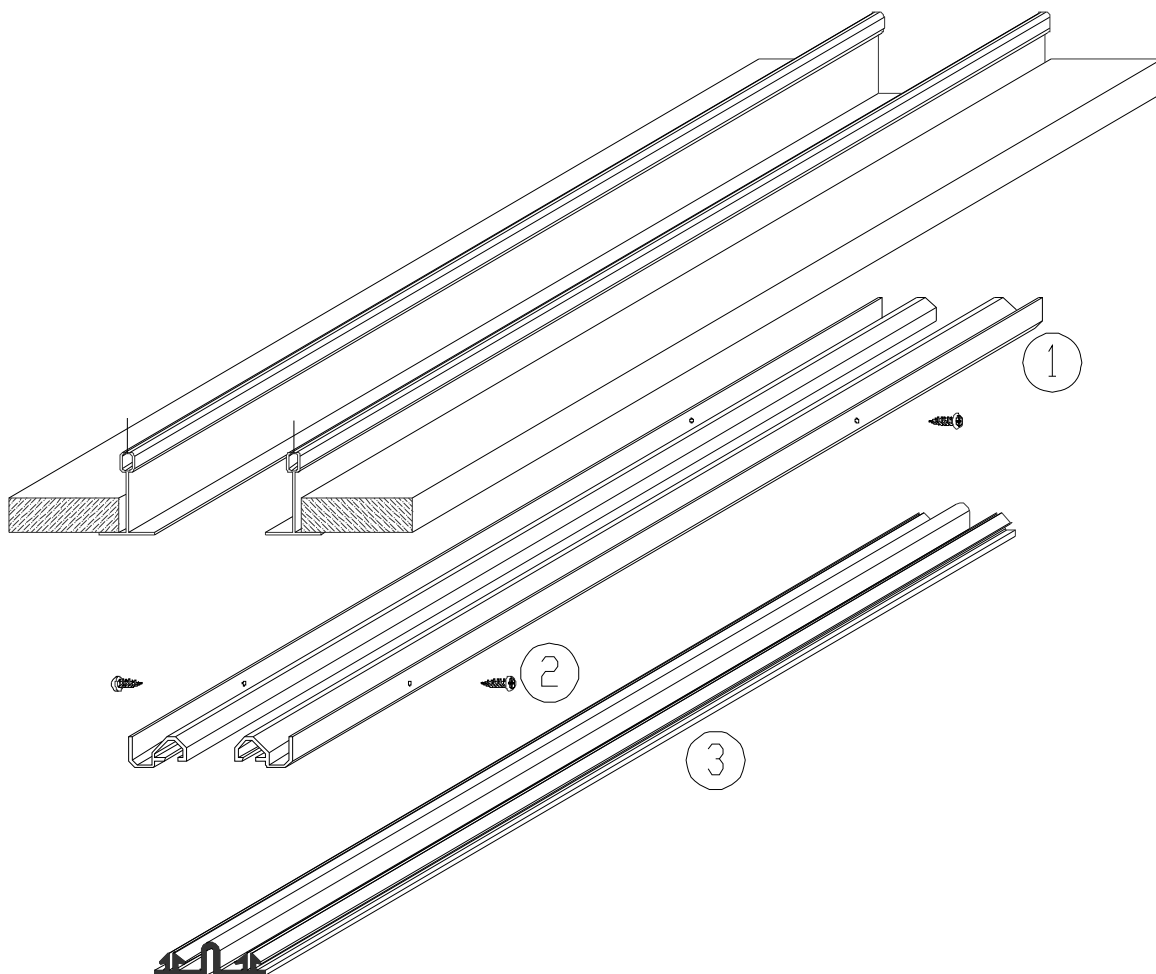


Figure 1

PARTS

1. Base Member Subchannel
2. Base Member Fasteners
3. Face Seal

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. Drill Bits for Base Members (Metal).
- B. Drill Bits for Concrete (if required)
- C. Electric Drill
- D. Phillips Head Drill Bit
- E. Hot Knife Thermocutter or Splicing Iron

INSTALLATION

These installation instructions are for use in the installation of Balco, Inc. ACWW Series Expansion Joint Cover Systems. The System is illustrated in 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. Attach the ceiling tees (ceiling tile supports, by others) to the slab above in accordance with the ceiling tee manufacturer's installation instructions. Ensure that the ceiling tees are set at the proper width to form the joint. Ensure that the ceiling tees are properly aligned with one another. Make any necessary adjustments.

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

STEP 4. Drill the anchor holes into the base members at the marked locations.

STEP 5. Select a section of the base member. Place the base member into its installed position on one of the selected ceiling tees forming the joint, and using the base member as a template, mark the locations for the anchor holes on the ceiling tee (see Figure 3). Ensure that the base member is level and properly aligned.

STEP 6. Remove the base member from its installed position. Repeat Step 5 for the corresponding opposite base member and ceiling tee.

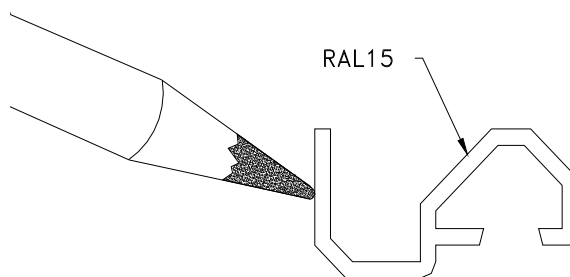


Figure 2

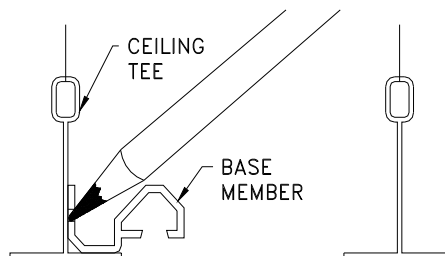


Figure 3

STEP 7. Drill the anchor holes into the ceiling tees at the locations marked in Step 5 and Step 6.

STEP 8. If the joint requires the use of multiple sections of the base members, repeat the procedures given in Step 5 through Step 7 for each subsequent section of the joint system.

NOTE: THE RECOMMENDED FACE SEAL LENGTH, IF POSSIBLE, IS THE JOINT LENGTH. THIS ALLOWS THE SAME SECTION OF FACE SEAL TO BE INSTALLED INTO MULTIPLE SECTIONS OF BASE MEMBERS, IF NECESSARY, MINIMIZING FACE SEAL SPLICING AND ENHANCING THE OVERALL APPEARANCE OF THE SYSTEM.

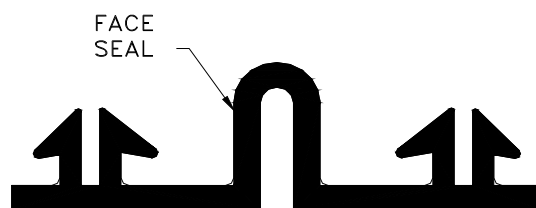
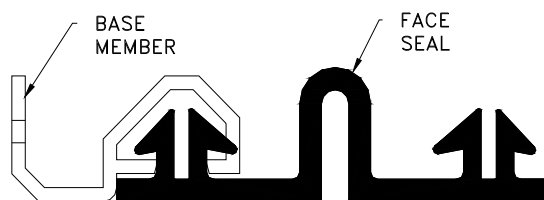


Figure 4

STEP 9. Select the face seal (see Figure 4). If the face seal has not been cut to length, cut the face seal to the required length. Ensure that there is no stretch in the face seal as it is measured and trimmed.

STEP 10. Attach the face seal to a base member by inserting one of the face seal's arrows continuously into the base member's receiver (see Figure 5).



STEP 11. Attach the face seal to the opposite base member by inserting the face seal's arrow continuously into the base member's receiver (see Figure 6).

NOTE: IF THE JOINT REQUIRES THE USE OF MULTIPLE SECTIONS OF THE BASE MEMBERS, ASSEMBLE THE SYSTEM SO THAT EACH BASE MEMBERS WILL BE INSTALLED AT THE LOCATIONS ALONG THE JOINT WHERE THEY WERE USED TO MARK THE ANCHOR HOLES INTO THE SUBSTRATE.

Figure 5

STEP 12. Select the fasteners provided by the factory. Place the assembled joint system into its installed position. Ensure that the anchor holes in the base members are properly aligned with the anchor holes in the ceiling tees. Ensure that the anchor holes in the wall members are properly aligned with the anchor holes in the wall. Ensure that the system is level and properly aligned.

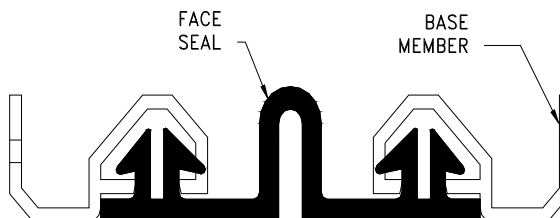


Figure 6

NOTE: TO AVOID DAMAGE TO THE ROOF TILES, THE SELF-DRILLING SHEET METAL SCREWS SHOULD BE INSTALLED SO THAT THEIR TIPS POINT INWARD TOWARD THE CENTER OF THE JOINT.

STEP 13. Attach one of the base members to one of the ceiling tees using the fasteners provided by the factory.

STEP 14. Attach the opposite base member to the opposite ceiling tee using the fasteners provided by the factory (see Figure 7). Ensure that the system is level and properly aligned.

STEP 15. Install the ceiling tiles (by others) onto the tees in accordance with the tee manufacturer's instructions (see Figure 8).

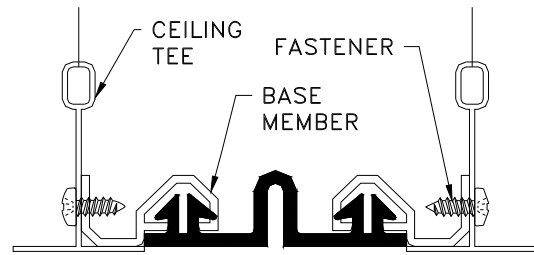


Figure 7



Figure 8

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