



***BALCO INC***

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***INSTALLATION INSTRUCTIONS  
FOR BALCO, INC.***

***SSPD SERIES***

***SPLIT-SLAB/PLAZA DECK COVER SYSTEMS***

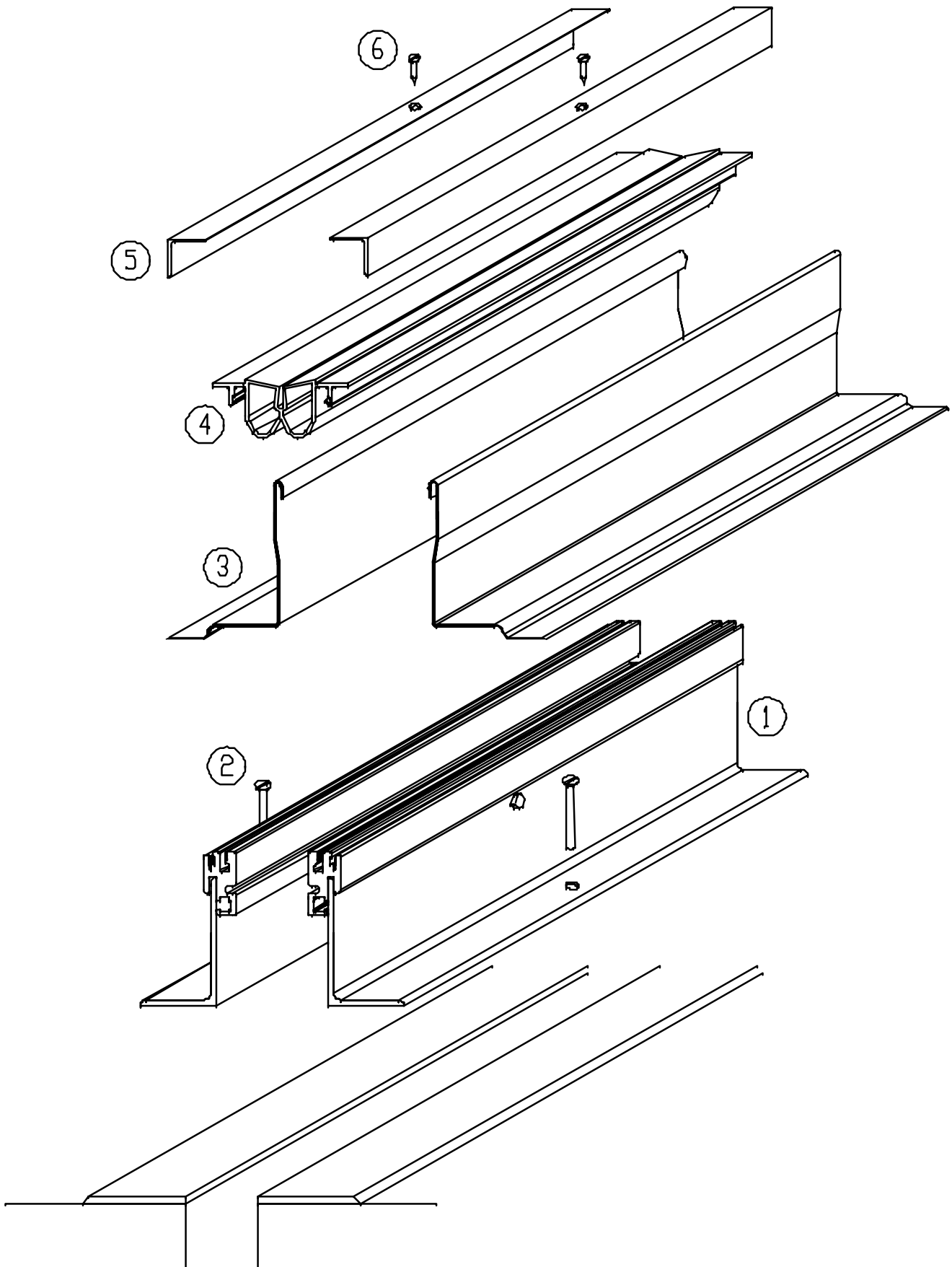


Figure 1



# BALCO, INC. SSPD SERIES SPLIT SLAB/PLAZA DECK JOINT COVER SYSTEM

## Installation Instructions

The following installation instructions are very important. Read them carefully, and be sure you understand them completely before you begin any work. Store this product in the horizontal position in a clean, dry location. Store this product in a protected area.

### Parts:

1. Base Members
2. 3/8" Flat Head Anchors
3. Flashing Sheets
4. Seal
5. SS Cap Angles
6. Cap Angle Anchors

### Tools required :

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

- A. Electric Drill
- B. Drill Bits (appropriate for substrate)
- C. Phillips, Slotted Drivers
- D. Trowel
- E. Deck Waterproofing Material
- F. Sealant
- G. Caulk Gun
- H. Putty Knife
- I. Grout<sup>1</sup>

<sup>1</sup> Balco, Inc. recommends Five Star DP Epoxy Grout, available from Five Star Products, Phone: (203) 336-7900

### PROCEDURES:

These instructions are applicable to SSPD Series Split Slab/Plaza Deck Joint Cover Systems. System components are illustrated in Figure 1.

**STEP 1.** Review Balco, Inc. approved shop drawings for project specific detailed information, types and locations.

**STEP 2.** Ensure that the blockout is sound and ready for the joint cover installation. Repair any deficiencies in the blockout base prior to beginning work.

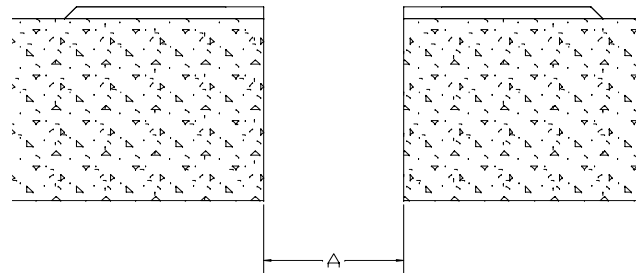


Figure 2

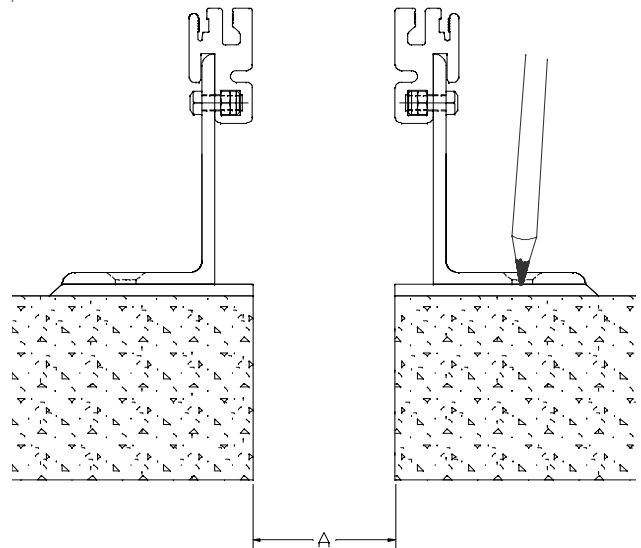


Figure 3

**STEP 3.** Prepare the blockout for the joint cover installation by applying grout, by others, to the blockout surface to a 1/4" minimum thickness to create a level bed for the joint cover base members installation (see Figure 2). Balco, Inc. recommends Five Star DP Epoxy Grout be used to create the level bed. Ensure that the grout is level.

**STEP 4.** Select the Base Members and place them into their installed position along the joint. Ensure that the base members are straight, level and properly aligned. Using the Base Members as templates, mark the locations for the anchor holes on the leveling bed (see Figure 3). Remove the Base Members from their installed position and drill the anchor holes into the concrete at the marked locations.

**STEP 5.** Select the Base Members and the Base Member Anchors. Place the Base Members back into their installed positions, ensuring that they are level, straight and properly aligned. Using the anchors provided by the factory, attach the Base Members to the concrete (see Figure 4).

**STEP 6.** Install the deck waterproofing material, by others, along the concrete slab and the side of the Base Members (see Figure 5). Install the deck waterproofing material in accordance with the Deck Waterproofing Manufacturer's instructions.

**STEP 7.** Select the Flashing Sheets. Push one end of each sheet into the base member channel. Allow the remaining Flashing Sheet to set on top of the deck waterproofing material. Balco, Inc. recommends applying a bead of caulk, by others, along the top edge of the Flashing Sheet and the aluminum extrusion portion of the base member to ensure a watertight installation (see Figure 6).

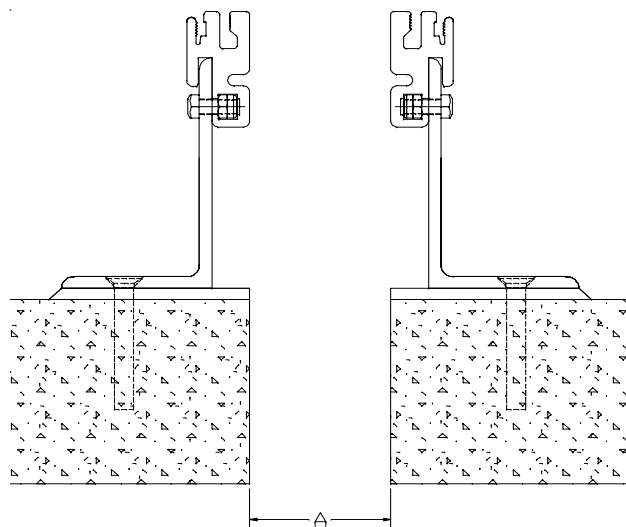


Figure 4

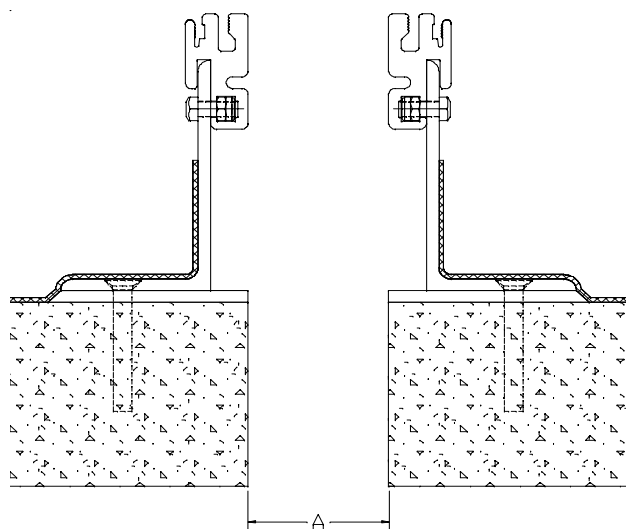


Figure 5

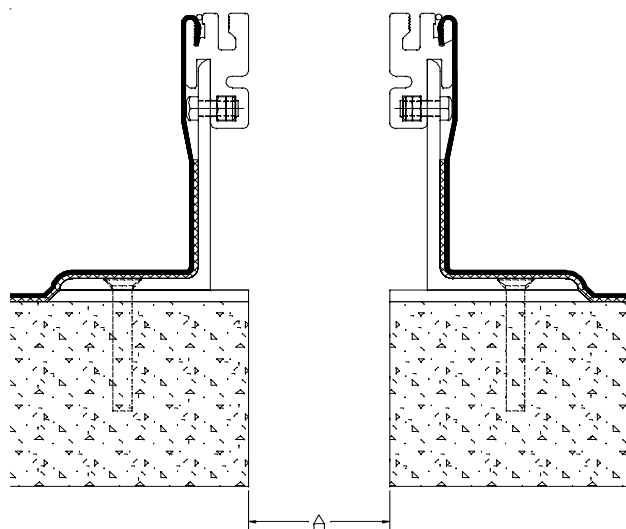


Figure 6

**STEP 8.** After the Flashing Sheets have been installed, lay a second layer of deck waterproofing material over the Flashing Sheets so that the Flashing Sheets are sandwiched along the concrete slab and the side of the base members (see Figure 7). Install the deck waterproofing material in accordance with its manufacturer's instructions.

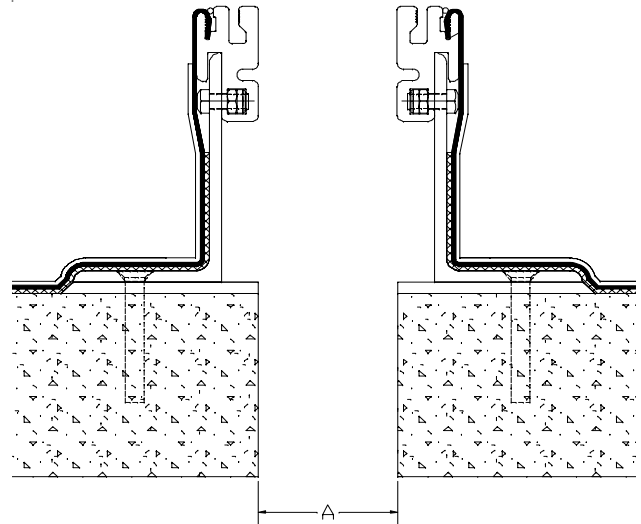


Figure 7

**STEP 9.** Select the Seal. Install the Seal into the base members by pressing one of its locking lugs into its respective channel in the base members. The Seal will snap into place when its lugs are fully inserted into the Base Member channels (see Figure 8).

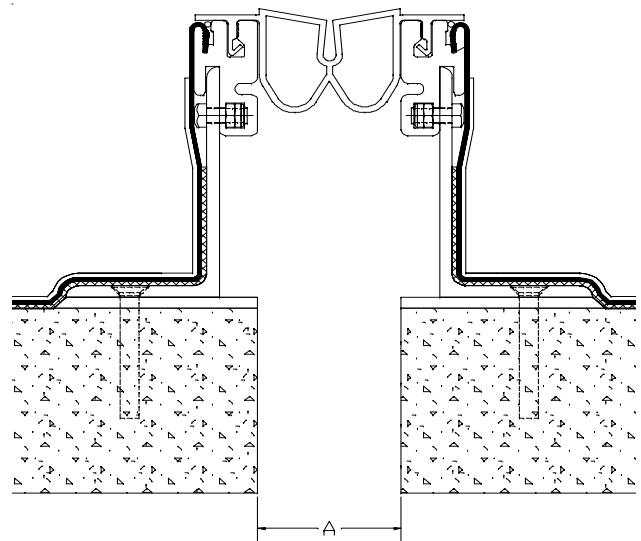


Figure 8

**STEP 10.** Select the SS Cap Angles and the Cap Angle Anchors. Place each Cap Angle into its installed position over the Seal's wings and atop the Base Members, and attach each Cap Angle to its respective Base Member using the anchor provided by the factory (see Figure 9).

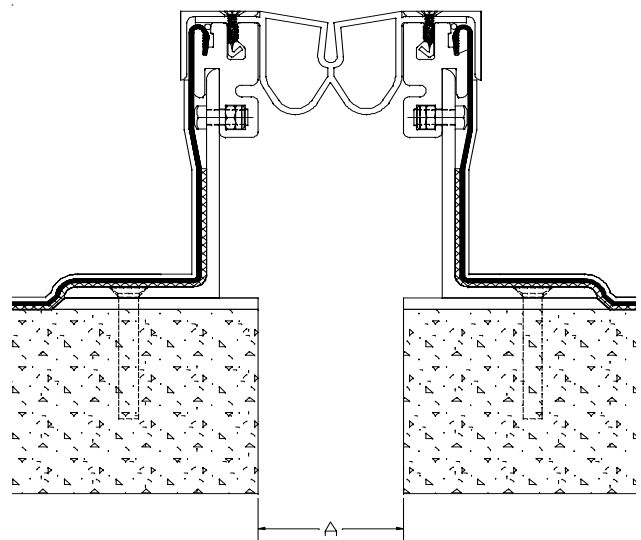


Figure 9

**STEP 11** Install the finish surface in accordance with good industry practice and with the finish surface manufacturer's instructions.

**STEP 12** Apply caulk, by others, in the gap between the Base Members and the finish surface.

## **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 systems (Duraflex™) is five 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; 5,852,902; 6,014,848;**  
**6,115,980; 6,581,347; 6,942,419;**  
**6,955,017; 6,962,026; 7,104,717;**  
**Patents Pending**