

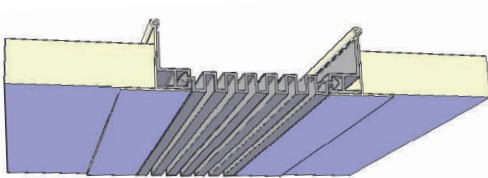
# AC & ACL Ceiling System

## Installation Instructions

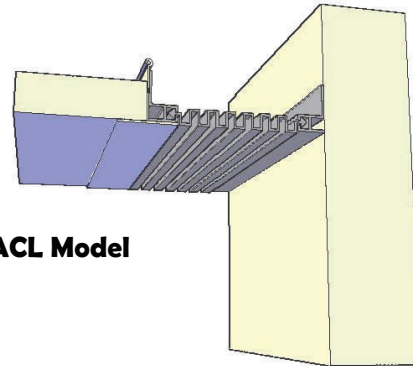
The following installation instructions are very important. Read them carefully, and be sure you understand them completely, before you begin any work. Refer to Balco shop drawings for placement dimensions and anchor spacing.

### Parts:

- A. Sub-channel      B. Face Seal      C. Fasteners



**AC Model**



**ACL Model**

### Ceiling to Ceiling Applications (AC Models)

*For Ceiling to Wall Applications (ACL Model), Reference Steps 1b thru 6b*

#### Step 1a: Install Ceiling Tees (By Others)

Attach the ceiling tees to the slab above in accordance with the ceiling tee manufacturer's installation instructions. Ensure that the ceiling tees are aligned and set at the proper width to form the joint.

#### Step 2a: Attach Face Seal to Sub-channels

Select two Sub-channels for installation. Select the face seal, and ensuring that there is no stretch in the face seal as it is measured, trim the face seal to the required length.

Insert one of the face seal's arrows continuously into one of the sub-channels receivers. Repeat with the opposite face seal arrow and the second sub-channel.

- ♦ If desired, a dish soap and water solution may be used to lubricate the seal and ease attachment to the sub-channels. Use of a screen roller is also acceptable.

### Step 3a: Attach the Sub-Channel / Seal Assembly to the Ceiling Tees

Place the assembled joint cover into position on the ceiling tees. Attach the aluminum sub-channel on one side of the joint to its' corresponding tee using the factory provided self-drilling sheet metal screws. Ensure that the sub-channel is level and aligned. *Anchors should be spaced 3" from each end of the sub-channel. Reference Balco approved shop drawings for O.C. anchor spacing requirements.*

Attach the opposite sub-channel to its corresponding tee on the opposite side of the joint.

♦ Repeat steps 1a thru 3a for each subsequent section of joint cover.

### Step 4a: Install Ceiling Tiles (By Others)

Install the ceiling tiles (provided by others) onto the tees in accordance with the suspended ceiling system manufacturer's installation instructions.

Attach Seal to (1) Sub-channel



Attach Seal to the Other Sub-channel



Attach (1) Sub-channel to its' Corresponding Ceiling Tee

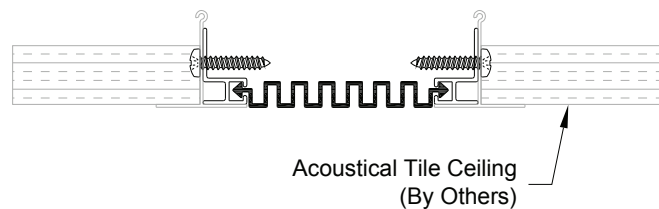


Attach Opposite Sub-channel to its' Corresponding Ceiling Tee



**Note:**

Sheet Metal Screws Should be Installed with Tips Pointing Into the Joint to Avoid Damaging the Ceiling Tiles



**Ceiling to Wall Applications (ACL Models)**

*For Ceiling to Ceiling Applications (AC Model), Reference Steps 1a thru 4a*

**Step 1b: Install Ceiling Tees (By Others)**

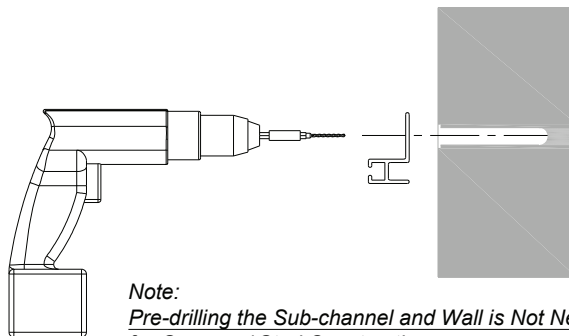
Attach the ceiling tees to the slab above in accordance with the ceiling tee manufacturer's installation instructions. Ensure that the ceiling tees are aligned and set at the proper width to form the joint.

**Step 2b: Drill Sub-channel Anchor Holes**

*(Applies to Installations on a Concrete / Masonry Wall. For Gypsum / Stud Construction, Skip to Step 3b.)*

Select the sub-channel that will be installed against the masonry / concrete wall. Mark and drill the anchor holes on the sub-channel. Using the drilled sub-channel as a template, mark and drill the anchor holes on the wall. *Anchor holes should be spaced 3" from each end of the sub-channel. Reference Balco approved shop drawings for O.C. anchor spacing requirements.*

- ◆ Repeat as necessary for each subsequent section of joint cover.



*Note:*  
Pre-drilling the Sub-channel and Wall is Not Necessary  
for Gypsum / Stud Construction

**Step 3b: Attach Face Seal to Sub-channels**

Select (2) sub-channels for installation. *(For installations on a concrete /masonry wall, (1) of the selected sub-channel's will need to be pre-drilled per step 2b.)*

Select the face seal, and ensuring that there is no stretch in the face seal as it is measured, trim the face seal to the required length.

Insert one of the face seal's arrows continuously into one of the sub-channels receivers. Repeat with the opposite face seal arrow and the second sub-channel.

- ◆ If desired, a dish soap and water solution may be used to lubricate the seal and ease attachment to the sub-channels. Use of a screen roller is also acceptable.

#### **Step 4b: Attach the Sub-channel / Face Seal Assembly to the Wall**

Place the sub-channel and face seal assembly into its' installed position against the wall. Attach the sub-channel to the wall using the factory provided anchors. *Anchors should be spaced 3" from each end of the sub-channel. Reference Balco approved shop drawings for O.C. anchor spacing requirements.*

#### **Step 5b: Attach the Sub-channel / Face Seal Assembly to the Ceiling Tee**

Attach the aluminum sub-channel on the ceiling side of the joint to the ceiling tee using the factory provided self-drilling sheet metal screws. Ensure that the sub-channel is level and aligned. *Anchors should be spaced 3" from each end of the sub-channel. Reference Balco approved shop drawings for O.C. anchor spacing requirements.*

*Repeat steps 1b thru 5b for each subsequent section of joint cover.*

#### **Step 6b: Install Ceiling Tiles (By Others)**

Install the ceiling tiles (provided by others) onto the tees in accordance with the suspended ceiling system manufacturer's installation instructions.

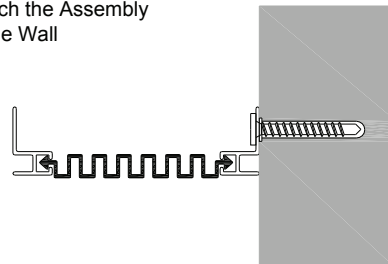
Attach Seal to (1) Sub-channel



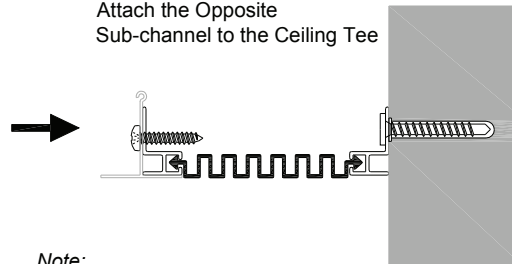
Attach Seal to the Other Sub-channel



Attach the Assembly to the Wall

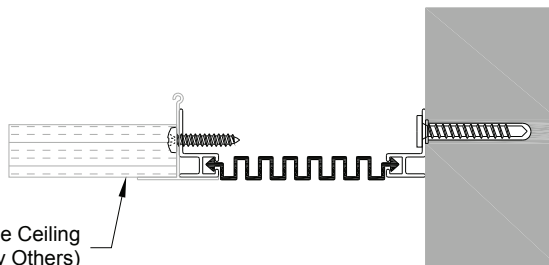


Attach the Opposite Sub-channel to the Ceiling Tee



**Note:**  
Sheet Metal Screws Should be Installed with Tips Pointing Into the Joint to Avoid Damaging the Ceiling Tiles

Acoustical Tile Ceiling  
(By Others)



**Instructions for Replacement of Balco, Inc.  
Vinylines™ Type AC Seals**

**Step 1:**

Remove the installed seal in its entirety from the sub-channels.

**Step 2:**

Mix a lubricating solution using dish soap and water. Use the solution to lubricate the face seal's arrows and corresponding sub-channel track.

**Step 3:**

Insert one of the face seal's arrows into the sub-channel's track.

**Step 4:**

Using a screen roller (not included), roll the seal's arrows into the sub-channel so that the arrow is completely engaged in the sub-channel's track.

- ◆ Repeat as necessary for the opposite side, and each subsequent section, of joint cover.
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