

## SEISMIC ALUMINUM FLOORING SYSTEM – SURFACE APPLICATION

**MODEL(S): SFE/SFEw**

### SFE Floor to Floor Cover System



#### GENERAL DESCRIPTION

Nystrom Architectural Surface Mount Seismic System is designed to cover expansion control openings in structural, high-movement floor joints without the need for blockouts.

**GENERAL SAFETY PRECAUTIONS** Improper selection, installation, or use can cause personal injury or property damage. It is solely the responsibility of the user, through their own analysis, to select products suitable to the specific application requirements, ensure proper maintenance and use as intended. Follow local, state, and federal regulations for proper installation and operation requirements.

#### Introduction + Safety

Please read the complete instructions carefully before beginning any work. To ensure proper installation and performance of the product, the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

#### Transportation + Storage

- Inspect all shipments and materials for missing or damaged components and hardware.
- Material must be stored in a clean, dry location.

#### Preparation

- Locate the packing slip(s) and/or shop drawings.
- Verify that all products listed on the packing slip are included in the package.
- Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without reporting damage you waive your right to a freight claim and will be responsible for replacement costs.
- Read the instructions thoroughly before beginning installation.

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#### Direct Service Done Right

Since 1948, Nystrom has been the go-to manufacturer of specialty building products providing a wide range of floor, roof, wall, ceiling, and stair access products that create safer, more accessible buildings. We offer hassle-free services including access to technical experts, REVIT tools for BIM, HPDs for LEED v4, 3-part specifications and AIA-accredited continuing education courses.

## Tool List

- Tape measure
- Chop saw to cut product to length
- Electric drill with 5/32” masonry bit
- Broom & dustpan or vacuum

## Included with the expansion joint system:

- 3/16” x 1-3/4” Tapcon fastener

## Pre-Installation

1. Ensure that the floor is smooth. High spots should be ground down and low spots filled in. Make sure the floor is clean by sweeping and/or vacuuming.

## INSTALLATION

1. Position aluminum floor plate on each side of the expansion joint as shown in the shop drawings. In the 2” joint opening system, this is an L-shaped plate. In 4” joints and larger, this is an extruded plate with tracks for the spring assembly. Using the plates as a template, mark and drill 5/32” holes for Tapcon fasteners. Install the floor plates with the fasteners making sure not to over tighten. **See Figure 1 for 2” Sizes, Figure 2 for 4” & Larger Sizes**

Figure 1

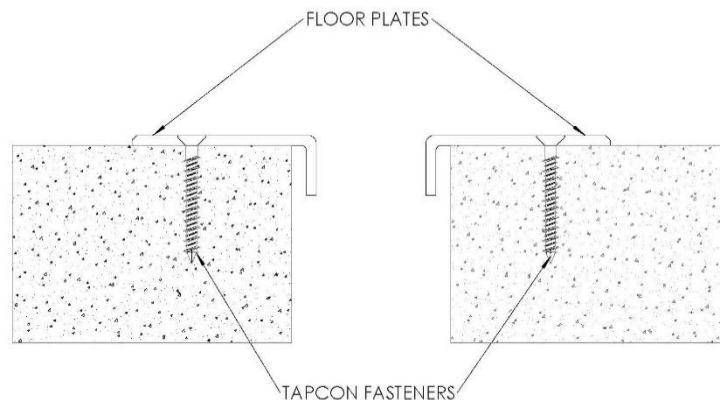
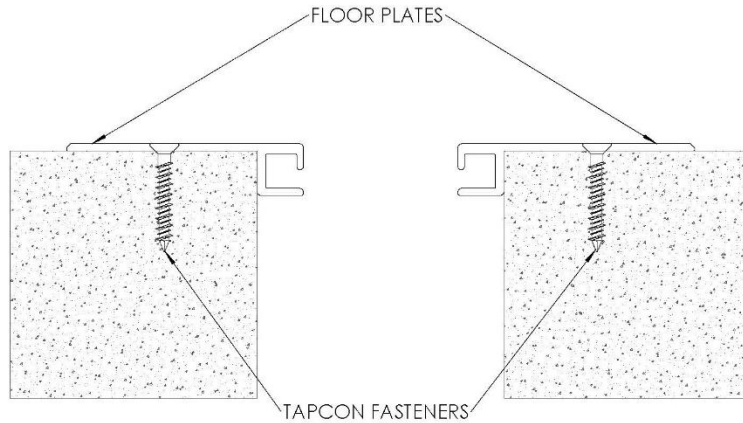
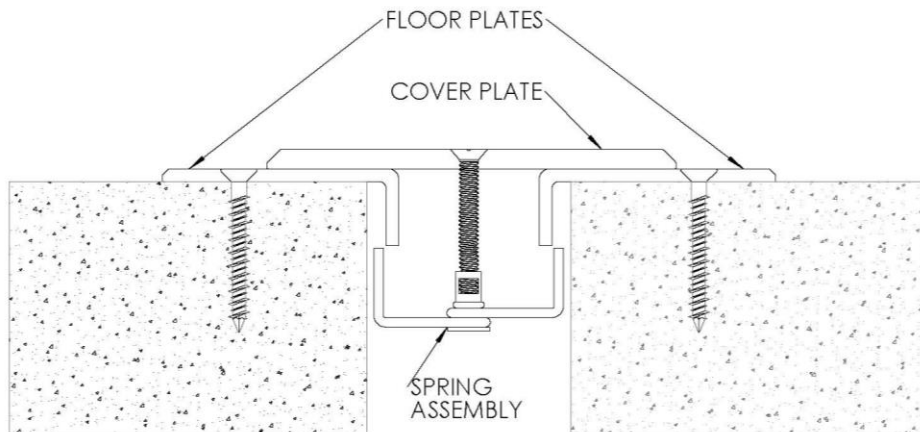


Figure 2



2. Lay cover plate over the left floor plate with ends flush and mark the cover plate center holes onto the floor plate near the inside edge. Repeat this on the right side. On the 2" size install the spring assembly to the cover plate. Drop cover plate and spring assembly into place with spring assembly parallel to joint opening. Turn screw quarter turn and pull up to position spring assembly in place. Keep upward pressure on screw and tighten until secure. On the 4" and larger sizes position the spring assembly in the spring track on the floor plates and align with the marked locations. The spring assemblies will be diagonal to the opening. Tape may be needed to hold the spring assembly in place. **See Figure 3 for 2" Sizes, Figure 4 for 4" & Larger Sizes**

Figure 3



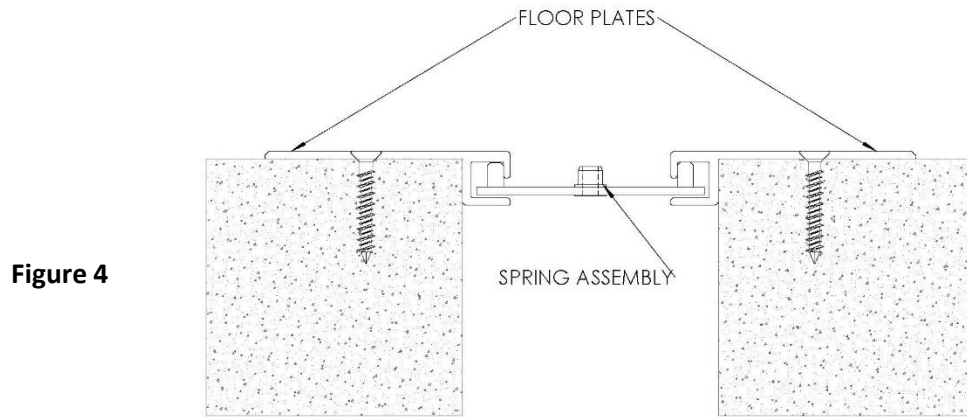


Figure 4

3. Position the cover plate centered over the floor plates and with the center hole aligned with the spring assemblies. Attach the cover plate to the spring assemblies with the provided spring screws. **See Figure 5 for 2” Sizes, Figure 6 for 4” & Larger Sizes**

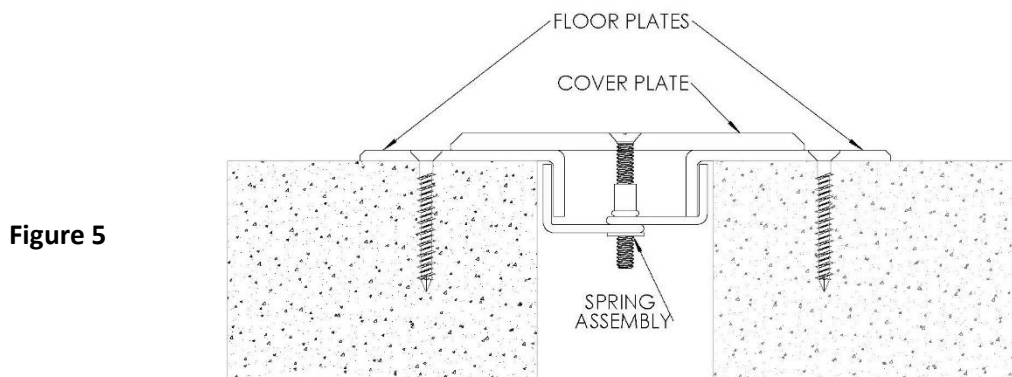


Figure 5

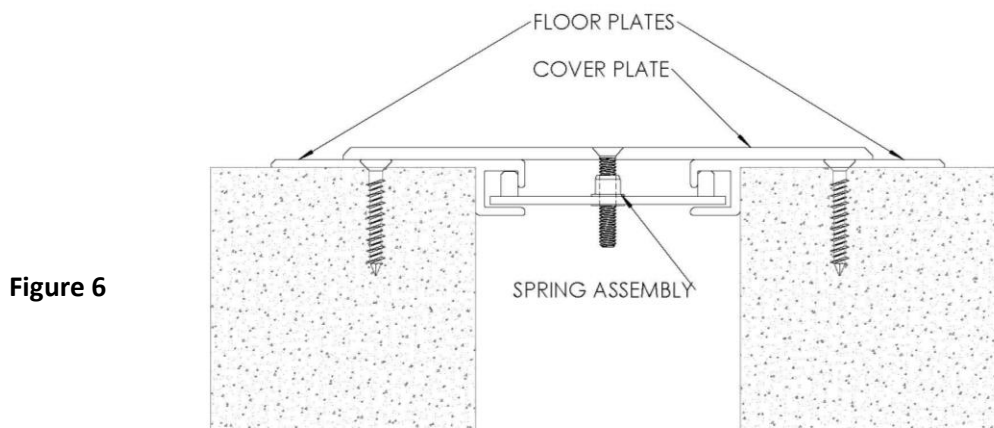


Figure 6

## SFEw Floor to Wall Cover System



### GENERAL DESCRIPTION

Nystrom SFEw Interior Cover System is designed to match the SFE cover plate in floor to wall applications.

### Tool List

- Tape measure
- Chop saw to cut product to length
- Electric drill with 5/32” standard/masonry bit
- Broom & dustpan or vacuum

### Included with the expansion joint system:

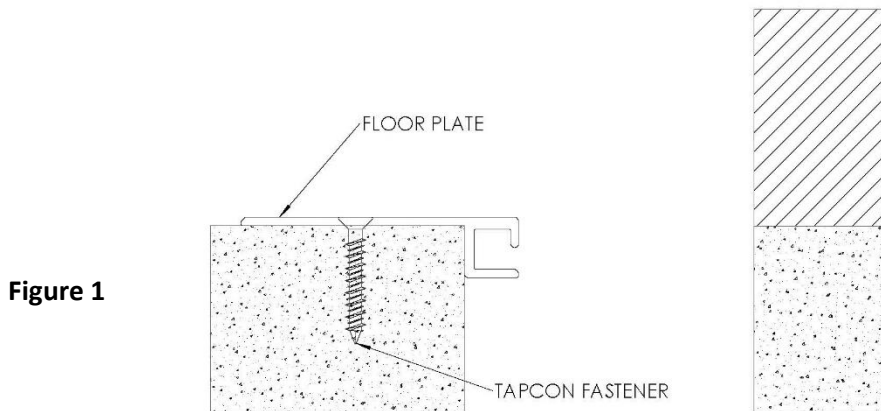
- 3/16” X 1-3/4” Tapcon fastener

### Pre-Installation

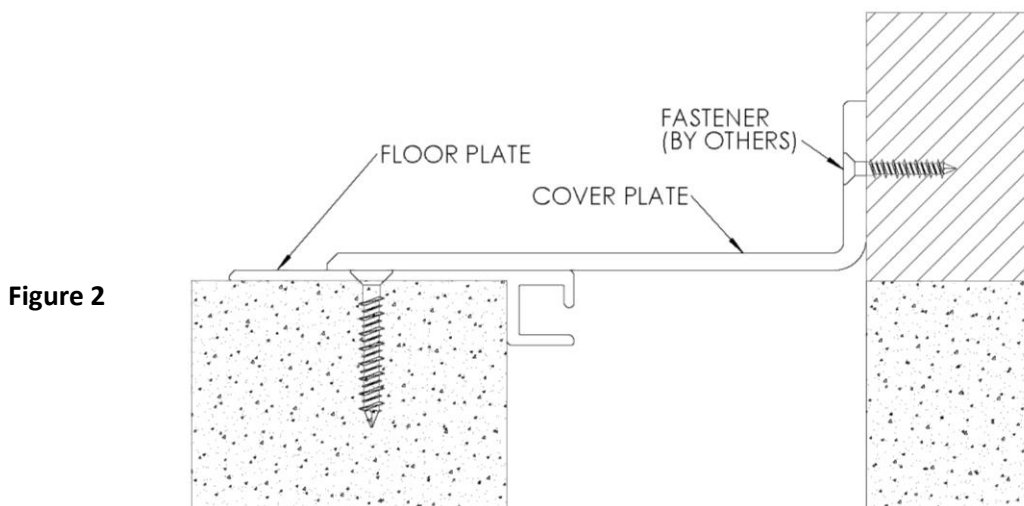
1. Ensure that the floor is smooth. High spots should be ground down and low spots filled in. Make sure the floor is clean by sweeping and/or vacuuming.

## INSTALLATION

1. Position aluminum floor plate on the non-wall side of the expansion joint as shown in the shop drawings. Note, the 2” size floor plate will be flat without the C-shaped extrusion on the end. Using the plate as a template, mark and drill 5/32” holes for Tapcon fasteners. Install the floor plate with the fasteners, making sure not to over tighten. **See Figure 1**



2. Position the cover plate against the wall as shown, making sure the top of its horizontal face is level with the floor plate. Attach the plate to the wall using appropriate fasteners (by others) for the wall type, spaced 18” o.c. **See Figure 2**



## **OPERATION**

Expansion Joints are designed and built for years of dependable service.

## **MAINTENANCE**

Annual inspections should be performed to make sure the system is in position. Repair and/or replace as needed.

## **QUESTIONS?**

For more information on installation, repair or replacement, please contact Customer & Sales Support at 800-547-2635 or visit [nystrom.com](http://nystrom.com)