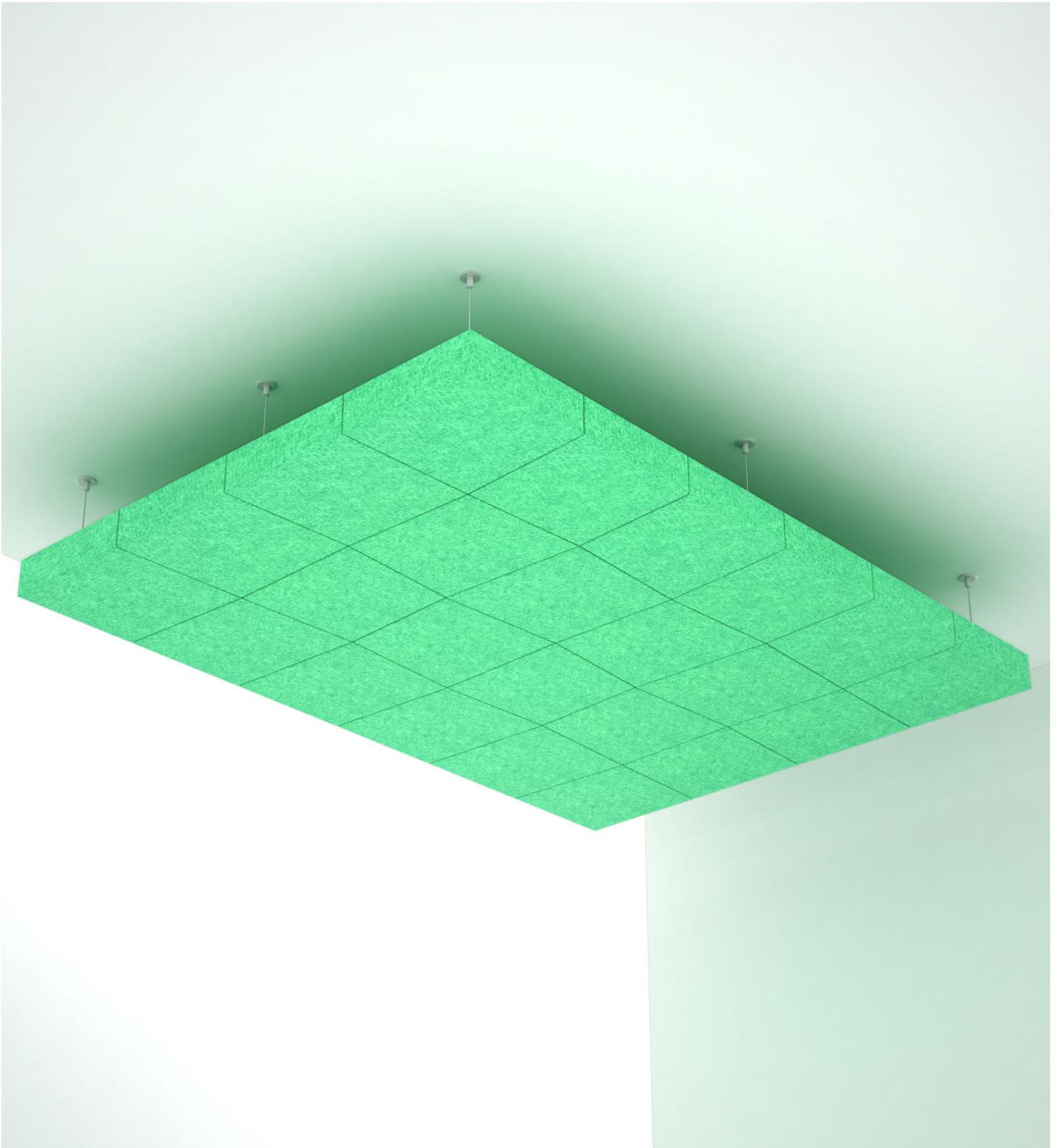


Seeyond
SimpleSpec 400.42™

Installation Manual



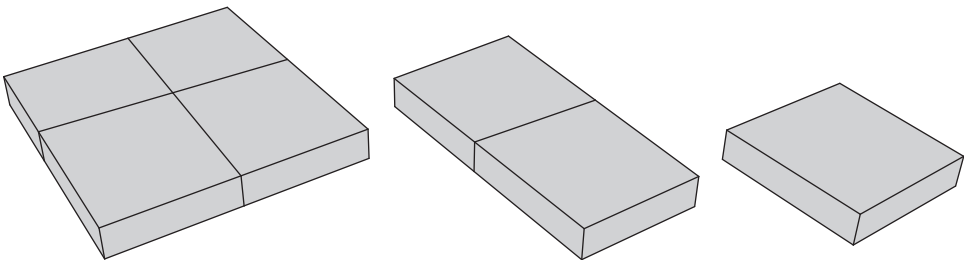
For more information, please visit [3-form.com](https://www.3-form.com) or call 800.726.0126

JUNE 2021 | MAN-RTG-400-42 | REV 003 © 2021 3form, Inc. All rights reserved.

Contents Overview

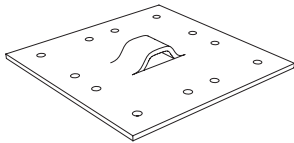
Seeyond Tiles

These tiles will be pre-assembled in clusters. For features with odd amounts of rows and columns there will be single tiles and double clusters. The maximum cluster size won't exceed 40"×47".



Seeyond Mending Plate and Hardware

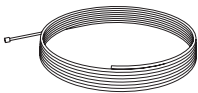
Designed to attach to any node, corner or junction of tiles. The mending plate provides an attachment for the cable to connect to the back of the Seeyond Tiles



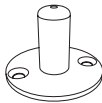
Mending Plate
3-85-108



3/16" × 1 1/4" Fastener
3-15-0842



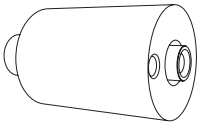
1/16" Ø Cable - 8' Length
3-15-1674



Cable Coupler
3-15-1675



#10 Mending Plate Screw
3-85-105

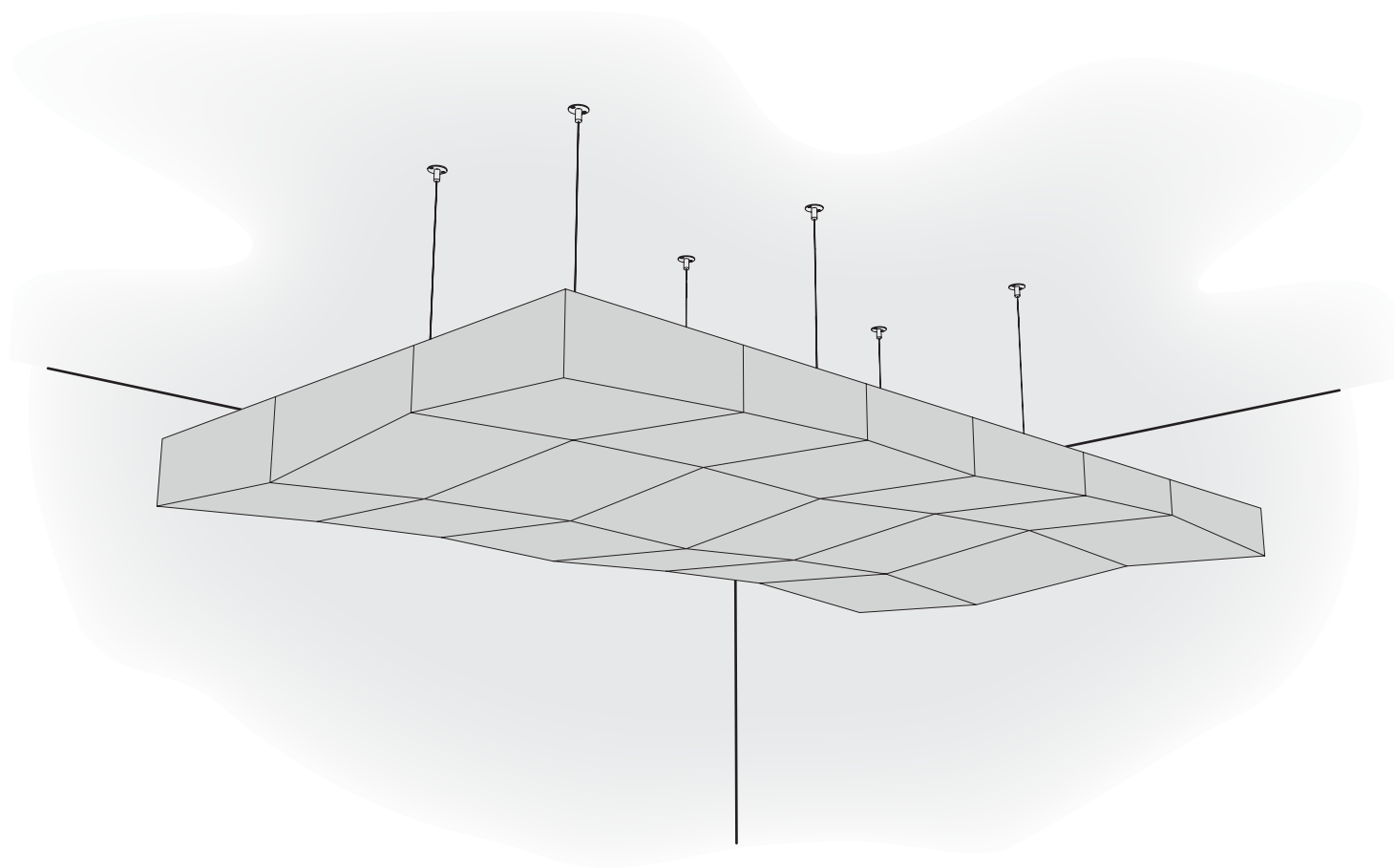


Cable Loop
3-85-107



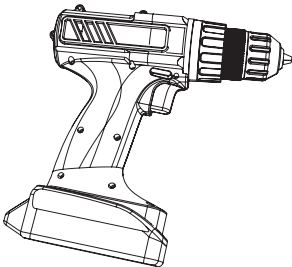
Zip Tie
3-85-102

Overview

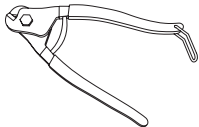


Installation

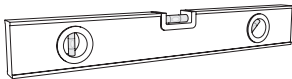
Required Tools



Drill



Cable Cutter



Level

1

Arrange Seeyond Tiles

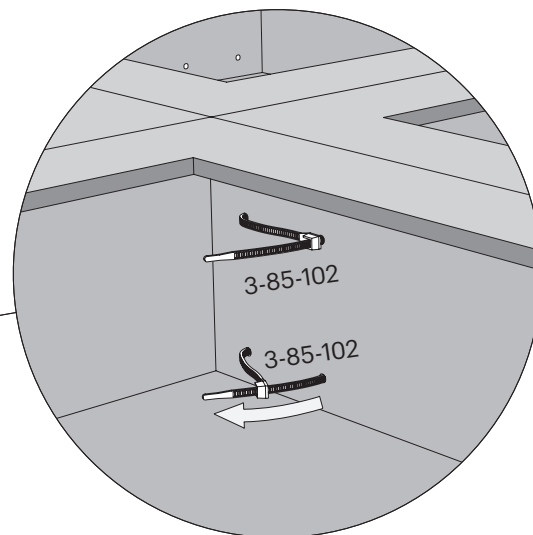
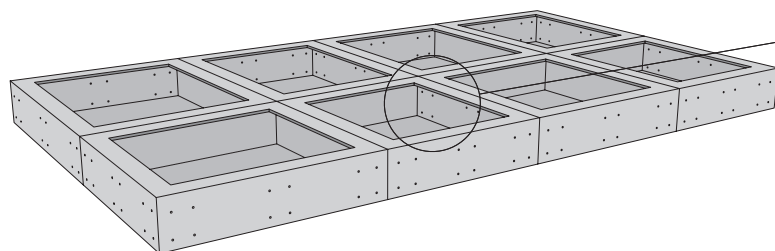
Arrange the Seeyond Tiles in order. Tiles are arranged with columns designated by letters and rows designated by numbers. Start with A1 which will be the first tile (first row, first column).

A6	B6	C6	D6	E6	F6	G6	H6	I6
A5	B5	C5	D5	E5	F5	G5	H5	I5
A4	B4	C4	D4	E4	F4	G4	H4	I4
A3	B3	C3	D3	E3	F3	G3	H3	I3
A2	B2	C2	D2	E2	F2	G2	H2	I2
A1	B1	C1	D1	E1	F1	G1	H1	I1

Installation

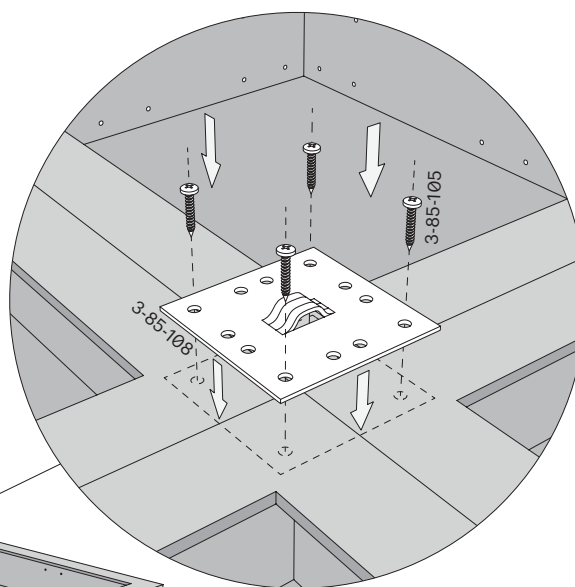
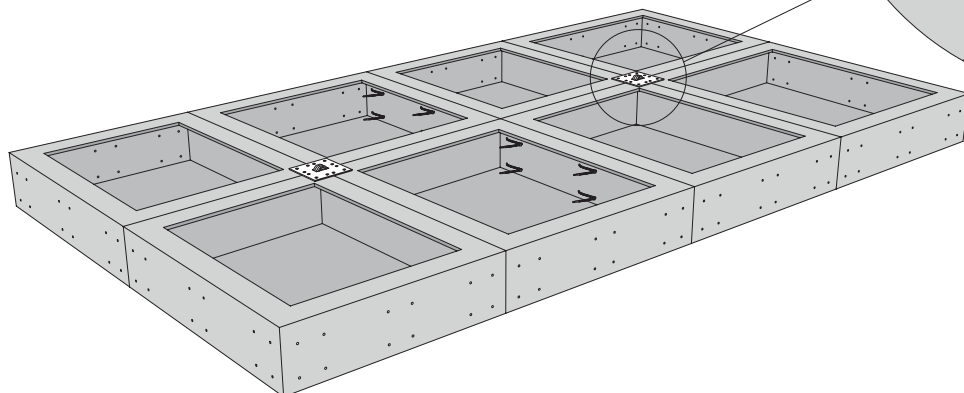
2 Connect Tiles Together

Using zip ties, connect tile clusters together in rows or columns (referred to as a cluster row) depending on which is easier to handle. If a row is longer than 10 tiles, it is suggested to assemble as 2 separate components. Connect tiles together using 6 zip ties per tile face.



3 Attach Mending Plates

Attach mending plates at outer edges of feature, and between the tile units attached in Step 2. There should be a mending plate every 2 tiles at a minimum. See sample configurations for mending plate locations on the following page.



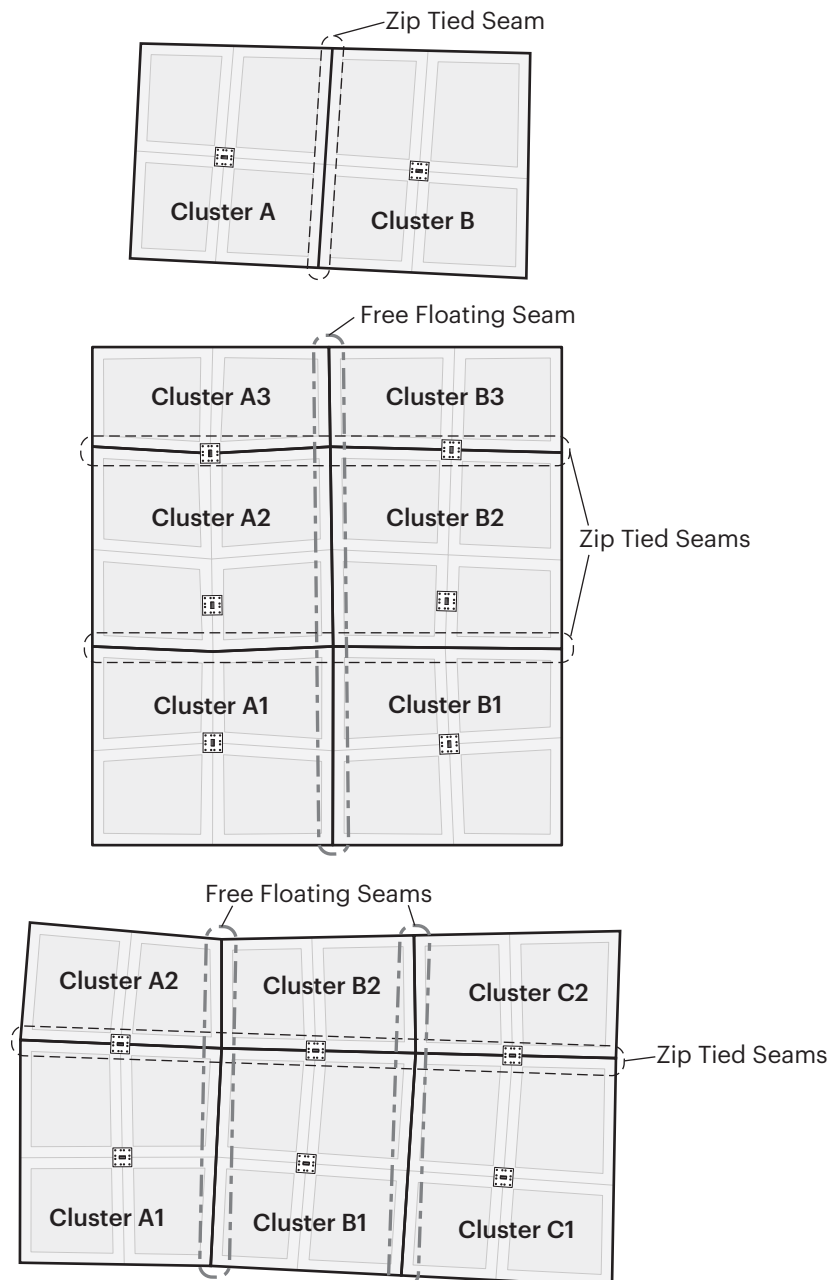
Installation

3 Attach Mending Plates *cont...*

Cables should be located every 3 tiles at a maximum distance and shouldn't cantilever an edge more than 1 tile. If possible, the mending plates should be located along the clusters' seam for maximum rigidity and ease of clustering.

Each cable has a design load of 20lbs (each Seeyond Tile weighs approximately 2.5 lbs).

Make sure design load is not exceeded for the application.



Installation

4 Attach Cables and Cable Couplers

- a** For each cluster row of tiles, there are cables (3-15-1674) and associated cable couplers (3-15-1675) that need to be anchored to the ceiling. The ceiling should be either wood or concrete. If anchoring to drywall, ensure that there is wood blocking to support the weight or provide proper anchors to provide support for the weight being hung.

Cables can either be hung perpendicular to the Seeyond feature (fig. 1) or can be splayed out to provide more rigidity in a location where there is high air flow/HVAC (fig. 2). Position your couplers according to desired layout.

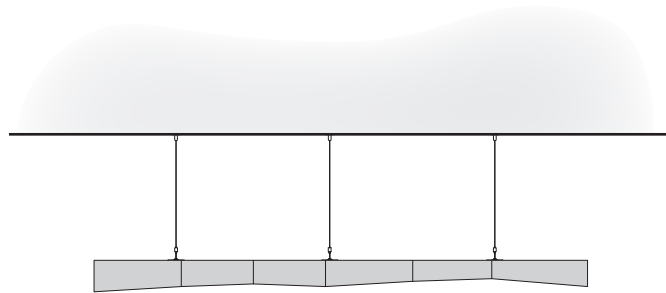


Figure 1

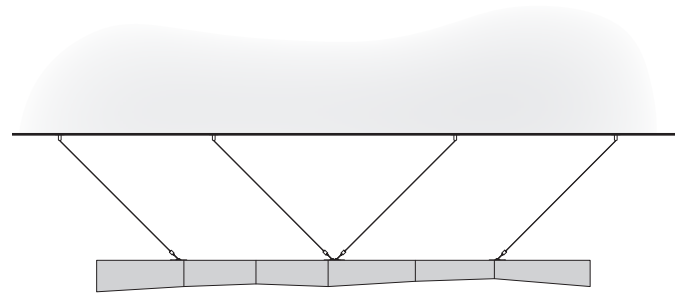
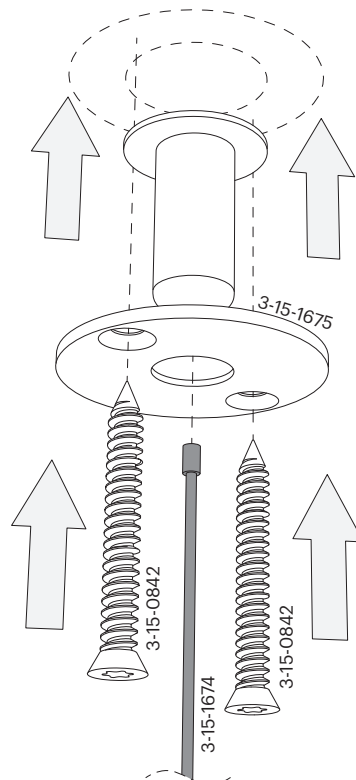


Figure 2

- b** Anchor baseplate to ceiling substrate.
Ensure threaded component is installed.

Thread swaged end of cable through the cable coupler so that the cable is hanging from the coupler.

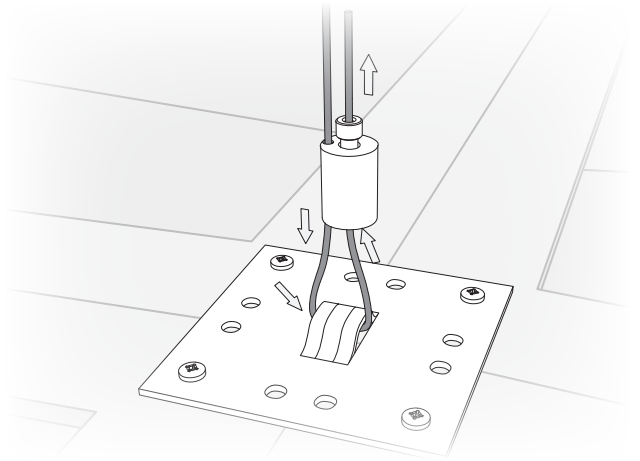
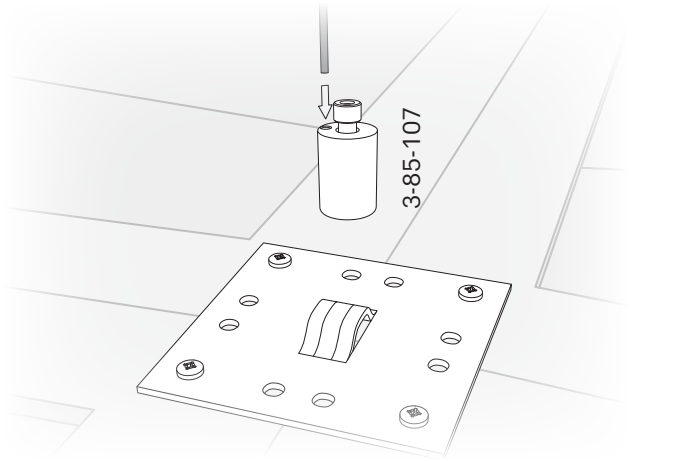
Anchor and thread onto base.



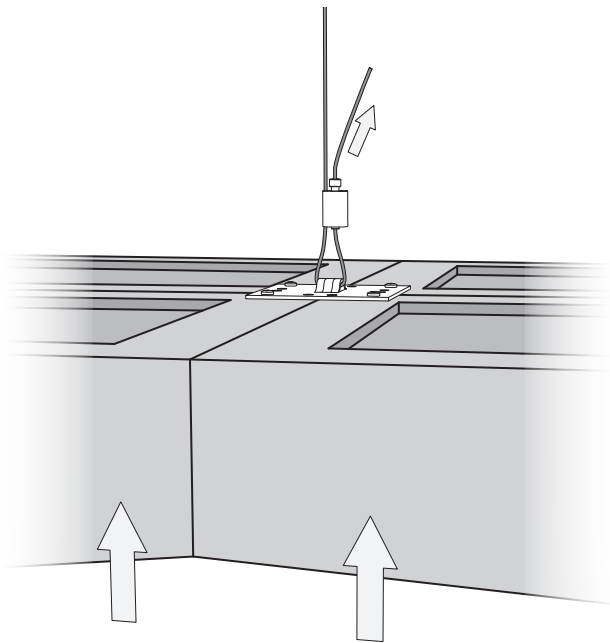
Installation

5 Attach Feature to Ceiling

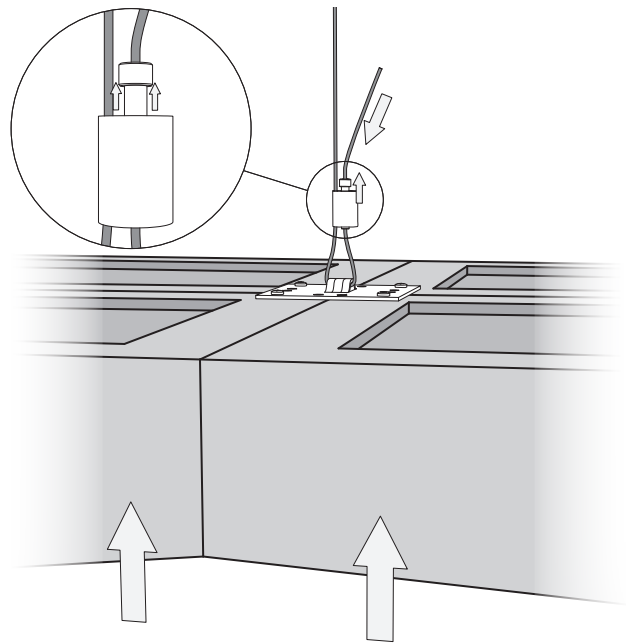
- a** Thread cable loop hardware (3-85-107) onto the cable. Loop through mending plate and back into cable loop hardware.



- b** Cable length can be adjusted shorter by removing weight from the cable loop (lift up on tile assembly) and pulling on the loose end of the cable.



Cable can be lengthened by removing weight and lifting up on the cable loop plunger to lower the feature.



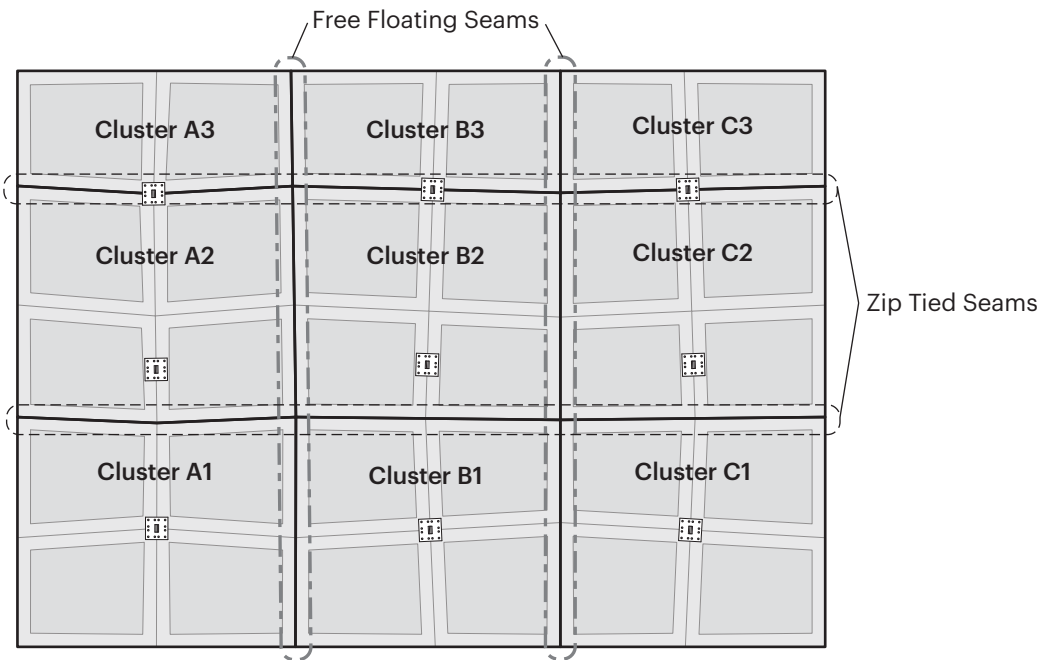
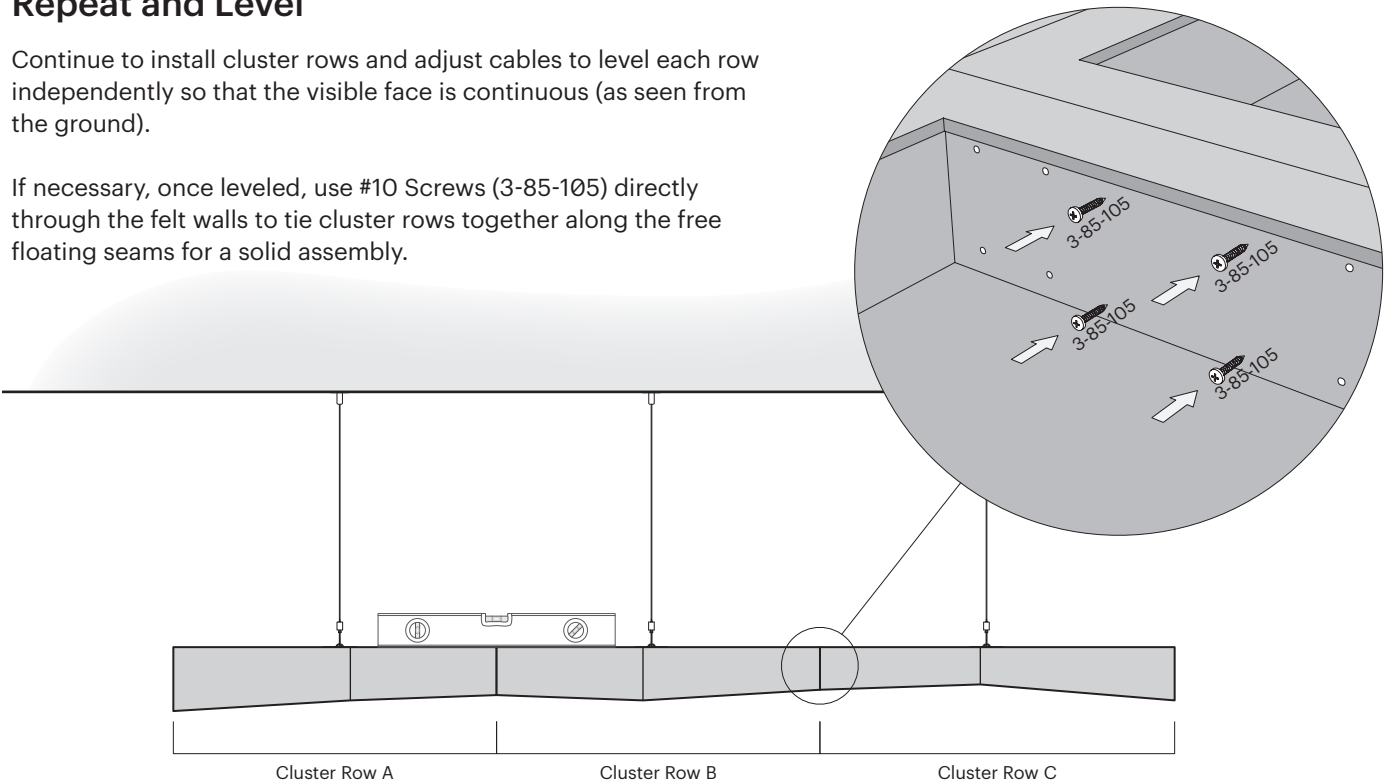
**A minimum of 1" cable needs to be pulled through the cable loop hardware.*

Installation

6 Repeat and Level

Continue to install cluster rows and adjust cables to level each row independently so that the visible face is continuous (as seen from the ground).

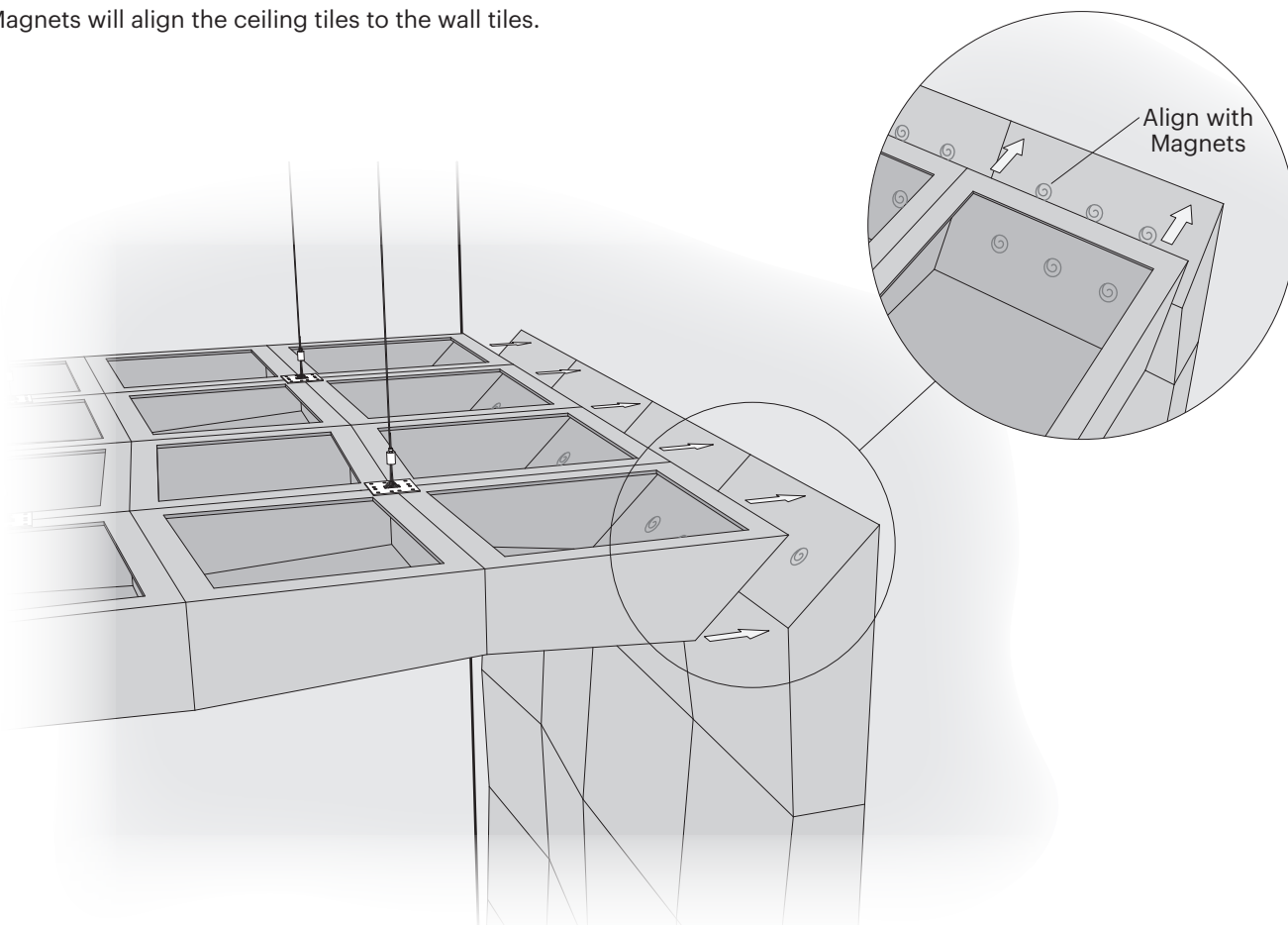
If necessary, once leveled, use #10 Screws (3-85-105) directly through the felt walls to tie cluster rows together along the free floating seams for a solid assembly.



Installation

7 Ceiling to Wall Attachment

Magnets will align the ceiling tiles to the wall tiles.



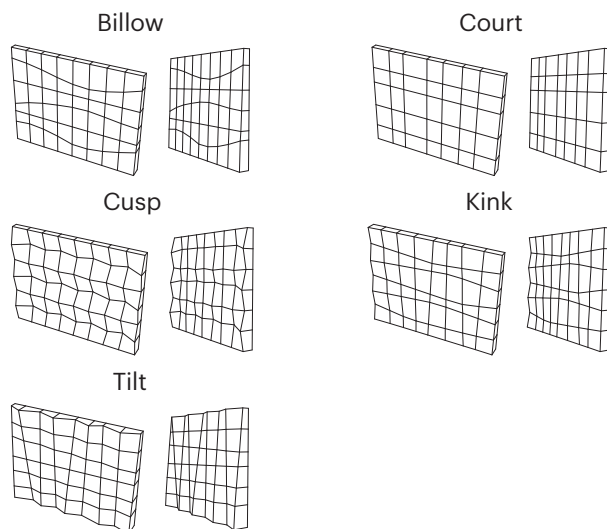
Product Description and Specifications

Create a private space, contain sound, and build a more comfortable environment with this absorptive, modular tile system. Seeyond is a series of lightweight dimensional tiles made from Acoustic Felt and boasts an NRC rating of 1.10. When combined with Acoustic Foam, Seeyond has an NRC of 1.10. Use Seeyond to build walls, divide a space, or create unique features that will leave a lasting impression.

Features and Benefits

- Variety of color options
- 5 base patterns
- Noise Reduction Coefficient (NRC) up to 1.10
- Easy to specify
- Easy to install
- Cost-effective decorative feature

Available Patterns



Available Finishes

Seeyond can be specified in a variety of color options.

See 3form's Sola Felt colors at:

<https://www.3-form.com/materials/sola-felt>

Panel Sizes and Tolerances

Seeyond Tiles are offered in various sizes. All dimensions and squareness are subject to a 2% tolerance.

Panel Weight

Material	Thickness	Weight Per Unit Area
Sola Felt - 1/4" (6mm) Thickness	Average Seeyond Tile - 4" (101.6mm)	0.3 lb/ft ² (1.46 kg/m ²)

Flammability and Smoke Test Results

- Building Code Approvals

Seeyond Tiles have been independently tested and meet the criteria for approved interior finishes as described in the 2018 International Building Code®.

Test	Sola Felt 1/4" (6mm)	Result
ASTM E84 Flame Spread Smoke Generated	10 105	Class A: 0-25 <450
CAN/ULC 102.2 Flame Spread Smoke Generated	75 200	See Building Code of Canada

Sound Absorption Test Results

Material	Test - ASTM C423-09	Result
Seeyond	NRC (Noise Reduction Coefficient)	1.10
Seeyond	SAA (Sound Absorption Average)	1.09
Seeyond	Alpha-W	1.00

Cleaning Instructions

Seeyond Tiles should be cleaned periodically. A regular, seasonal cleaning program will dramatically help prevent noticeable weathering and dirt build-up.

To remove airborne debris and dust, it is recommended to periodically vacuum Seeyond Tiles. Please note the slight shedding of fibers from the Felt is normal and not indicative of any defect.

To treat liquid stains, remove spills immediately using a clean damp cotton cloth or with detergent soap and warm water. Carpet and fabric cleaners can usually be used; always test an inconspicuous area before the actual stain.

Do:

- Vacuum or use a soft brush to clean Hush Base.

Do not:

- Use strong solvents, highly alkaline or abrasive cleaning agents.
- Do not completely saturate module with cleaning solution or water.