



Architectural Art Mfg.
A division of Pittcon Architectural Metals, LLC

Installation Instructions

M Series Linear Trench Covers

Blockout Mount

Smooth, Abrasive, Diamond, & 1/8" Recess Cover Plates

2-8-2013

General:

1. Read and understand all instructions prior to starting the installation.
2. Install in accordance with the approved shop drawings, blockout dimensional details, and these instructions.
3. Trench pans or liners are typically not used with blockout designed applications. Standard trench pans or liners will not fit in standard preformed trenches. Refer to approved shop drawings.
4. Reference project specific approved drawings and details for any special or custom options. These documents give specific installation details and notes addressing how to handle these options.

Preparation:

1. Inspect all materials and confirm that the correct product has been received and is not damaged. Review all approved drawings, details, and components related to this system assembly.
2. Trench Cover Plates are match drilled and pre-assembled to their respective TF Frames at the factory. If disassembled, remember to make sure to match mark the covers and their respective frames.
3. TF Frames and SA-001 Strap Anchors are also attached at the factory.



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4. Refer to the approved shop drawings and details for the project specific trench opening size, blockout dimensions, system component placement dimensions, and anchor spacing.
5. Inspect the substrate, the preformed trench, and the blockouts to confirm they are prepared correctly to receive the product per the approved shop drawings and details.
6. Ensure that the blockout surfaces are at the proper elevation, straight, level, and of the proper dimensions.

Product Installation Procedure:

NOTE 1: The installation of the M-Series Trench Cover System for proper fit, function, and performance is dependent on the proper positioning and location of the system in the blockouts. Before anchoring any components into place verify that all the Preparation procedures above have been successfully performed.

NOTE 2: Throughout the installation process and at completion maintain the proper cleanliness and protection of the Trench Cover Plates and Frames from concrete dust, grouting materials, floor finishing equipment and products, other foreign materials and debris, and construction traffic.

NOTE 3: If the Cover Plates are removed for any reason, ensure they are match marked to their respective Frames for reinstallation later. Properly store and protect the Cover Plates until reinstalled. Properly protect the Frame sections and the trench opening.

1. Properly clean all the blockouts, trench openings in the concrete, and the surrounding substrate of all dust, dirt, debris, and foreign objects.
2. Position the preassembled Trench Cover System section into its proper location in the blockouts for accurate anchoring and for aligning the Trench Cover System from section to section.
3. Ensure that each Trench Cover section is at the required elevation, allowing for the floor finish if required, and that it is level, even, and plumb.
4. Properly abut mating sections together as tightly as possible while maintaining them level, even, and in alignment with each other. Fasten together with the provided FESC Splice Clip.
5. Ensure that all the SA001 Strap Anchors are fully supported by sound substrate.



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6. Drill the required anchor holes in the concrete using the Strap Anchor clips as templates. Follow the anchor manufacturer's instructions.
7. Maintain the trench cover system in its proper location, elevation, and even, level, and plumb.
8. Install the anchors in accordance with the manufacturer's instructions.
9. Clean all the dust, dirt, debris, and foreign objects out of the blockouts and from off any exposed surfaces of the Trench Cover system.
10. Verify that the top of the TF Frames are properly protected in order to keep the top surface of the Frames clean while grouting in the system.
11. Grout the system into place following the manufacturer's instructions.

Ensure that the Final Installation is Properly Protected until the Final Inspection.

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