Rockfon®

Part of the ROCKWOOL Group

Rockfon® Intaline™ Metal Baffles

Baffles for Open Plenum

Interior Installation Guide

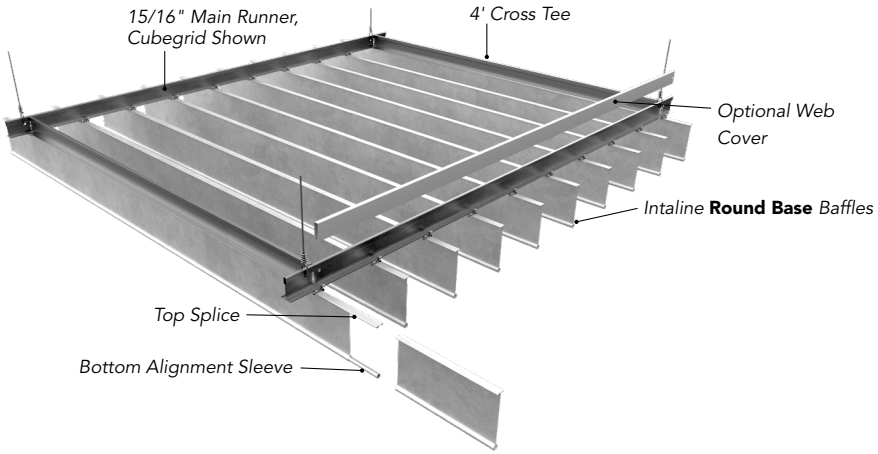
Project – Roxul/Rockfon Office, Milton, ON, Canada
Product – Rockfon® Intaline™ Baffles

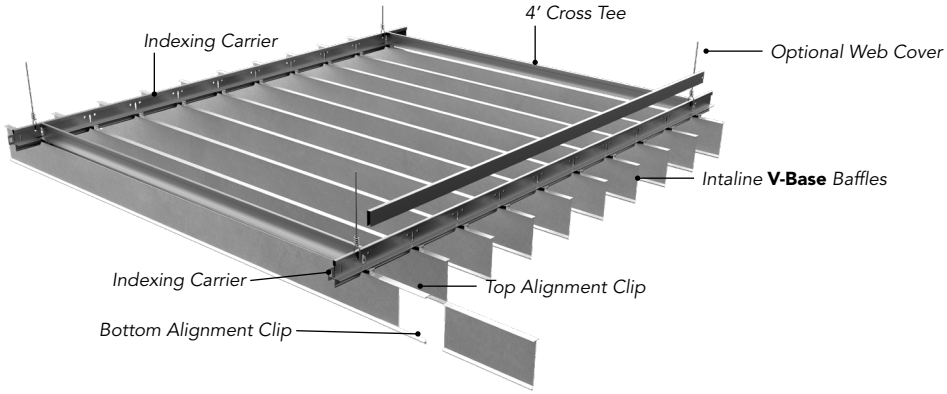
System Overview

Rockfon Intaline Baffles is an open plenum ceiling system for interior applications only. The baffles are available in a **round base** or **V-base** profile. Both systems can be installed onto a standard 15/16", or a Cubegrid 4'x4' grid suspension module. The V-base system has the additional option of using an indexing carrier for suspension. Baffle sizes are 4" for V-base, and 6", 8", and 10" for round base.

Download Intaline Round Base Datasheet

Download Intaline V-Base Datasheet





Best Practices

Always follow good safety practices when installing ceilings. Prior to beginning installation ensure that all materials are received and in good condition. Record any shipping damage on the carrier's bill of lading and contact Rockfon immediately to order replacement material:

- Email: **cs@rockfon.com**
- Fax: 866-211-3824
- Tech Services: 800-323-7164

If there are any issues with your order, contact Customer Service at 1-800-323-7164, telephone option 1.
E-mail replacement material orders, including your purchase order number on document, to cs@rockfon.com.
For technical assistance, contact Technical Services at 1-800-323-7164, telephone option 2.

Installation Conditions

Temperature and Humidity

Avoid installation in high moisture conditions where the space is not properly ventilated and acclimatized. Rockfon Intaline baffles should be installed in a clean environment, free from construction dust and debris.

Handling

Baffles come shipped in cartons and should be stored in a dry location. Prior to installation, inspect the cartons for damage. Use care in handling and removing the baffles. It is recommended to use clean gloves with a non-marking rubber/latex coating or polyethylene gloves when handling Rockfon metal ceiling products to avoid contamination. If baffles include strippable plastic film, remove before assembly. For baffles longer than 4' it is recommended that two installers handle the baffles when moving or installing into the ceiling plane.

Reference Documentation

Several industry standards are published and available. Acoustical and metal ceiling installers should familiarize themselves with the installation methods and best practices recommended for ceiling systems.

Prior to installation, it is imperative the installer become familiar with any project specific documentation available. These items will confirm ceiling layout, panel sizes and finish, ceiling accessories, ceiling fixture layout and orientation, and any special edge conditions.

Industry Standard Documentation

- ASTM C636 (Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels, **https://www.astm.org/Standards/C636.htm**)
- **CISCA Metal Ceilings Technical Guidelines**
- **CISCA Ceiling Systems Handbook**

Project Specific Documentation

- Reflected Ceiling Plans
- Project Specifications
- Approved Project Submittals (Data Sheets, Shop Drawings)

Other Documentation

- **Metal Baffles and Mesh Brochure**
- **Product Case Study**
- **Product Specifications**

Tools Required

- Laser or leveling device
- Miter saw
- Marking tool (pencil)
- Square nose side cutter
- Clean gloves
- Aviation snips
- Tape measure
- Slot screwdriver
- Phillips screwdriver

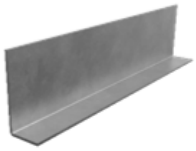
System Components

Round Base

Round Base Baffle

Cubegrid Main Runner

Cubegrid Cross Tee

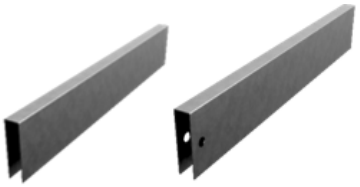


360-Degree Painted Angle

Alignment Clip-Top

Alignment Sleeve-Bottom

Suspension Clip



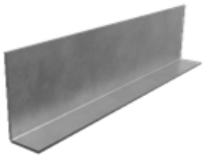
Web Covers - Optional

V-Base

V Base Baffle

Indexing Carrier

Cross Tee

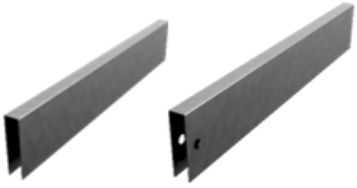


360-Degree Painted Angle

Indexing Carrier Clip

Top Alignment Clip

Bottom Alignment Clip



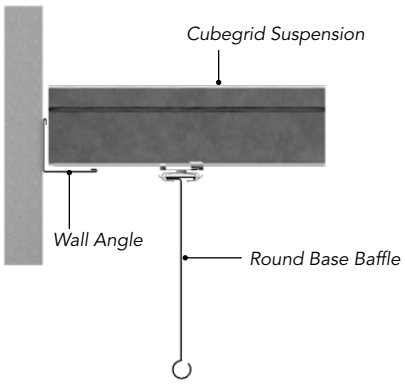
Web Covers - Optional

1. Suspension System Installation

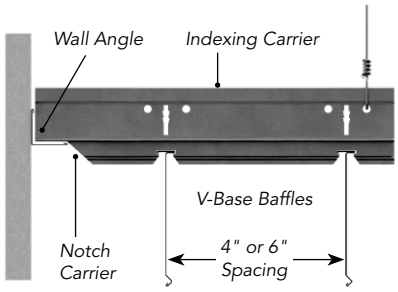
All suspension must be installed per ASTM C636 including local building codes and standards. Special attention should be given to the squareness of the system. Failure to have a square system will create a poor aesthetic with misalignment in the corners and difficulty in aligning the baffles. Use minimum 12 gauge galvanized steel hanger wire per ASTM C636 for suspending the grid.

1.1 Secure the specified perimeter treatment (see additional options below) to the walls using appropriate fasteners. Reference any project documents for proper ceiling elevation.

Wall Installation



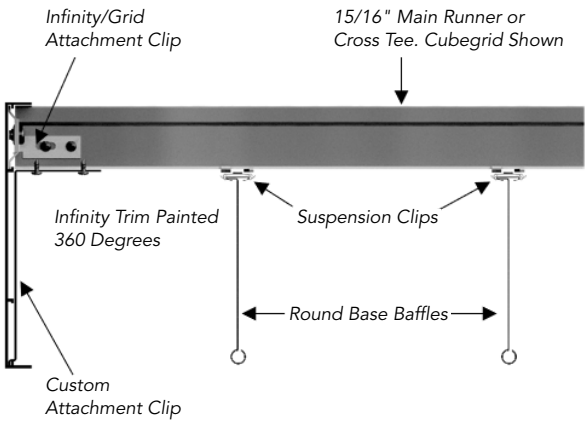
Round Base Baffle at Wall



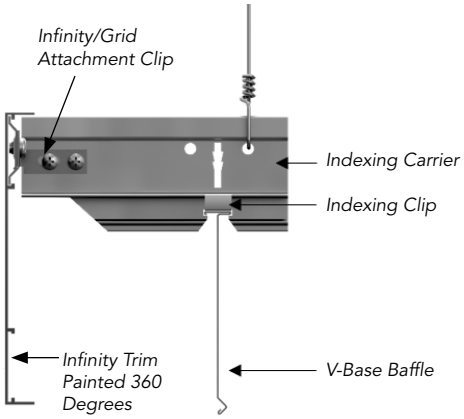
V-Base Baffle at Wall

Floating Installation

Floating installations are trimmed out with Infinity™ extruded aluminum trim. Since the baffles are supported from the bottom of the suspension, the trim needs to be 2" taller than the baffle height. Attach to suspension using appropriate grid attachment clips. Install additional hanger wires as needed.



Infinity with Round Base

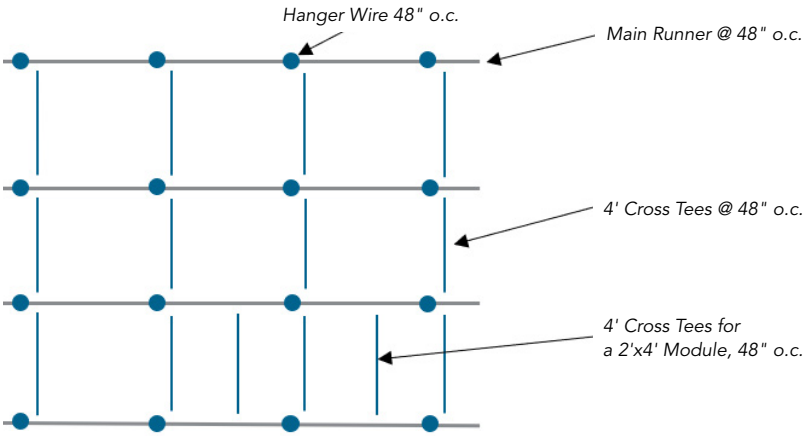


Infinity with V-Base

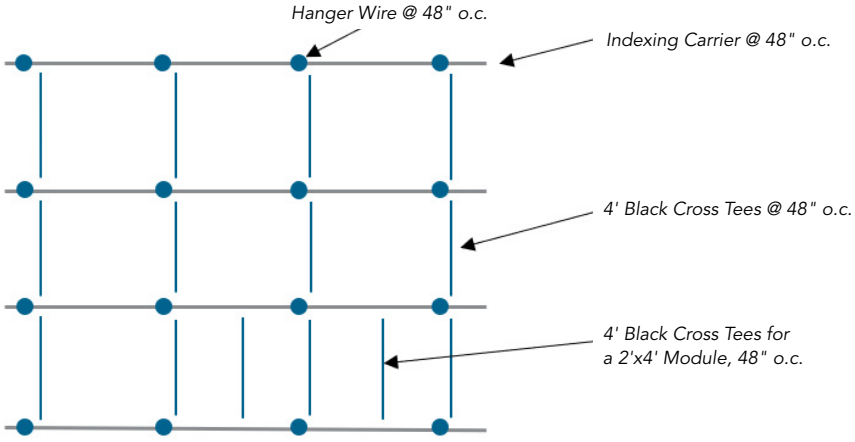
1.2 Most standard installations call for 4x4 module suspension layout, however some applications may require a smaller module layout.

If an acoustical correction is required, a 2x4 module can be installed for the installation of 2x4 Rockfon® Cinema Black™ ceiling tiles above the baffles. If Cubegrid is used as the suspension, the installer must ensure the Cubegrid main runners are slotted accordingly for the proper module. If installing the indexing carrier for V-base, the installer should confirm the correct indexing carrier is on the job prior to installation. (4" and 6" spacing available).

4x4 Suspension Layout for 15/16" Suspension (Round Base and V-Base)



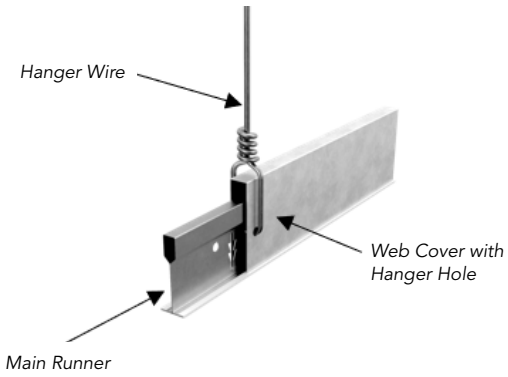
4x4 Suspension Layout for Indexing Carrier (V-Base Only)



2. Web Covers (Optional)

You may skip this step and proceed to baffle installation if not using web covers for the suspension.
Note - Install web covers with hanger holes in conjunction with main runners.

2.1 Install web covers *with holes* over the top of main runner at hanger locations. Align holes in the web covers with hanger holes in the main runner. Install hanger wires through the holes.



2.1 Once the grid is installed, install the remaining web covers over the top of the suspension, including the main runner web covers *without holes*.

Web covers for a 2x4 grid module

Main runners require 2' web covers, *with holes* and *without holes*. 4' cross tees require 4' web covers.

Web covers for a 2x2 grid module

Main runners require 2' web covers, *with holes* and *without holes*. 4' cross tees require 2' web covers (one on each side of cross tee intersection), 2' cross tees require 2' web covers.

Web covers for a 4x4 grid module

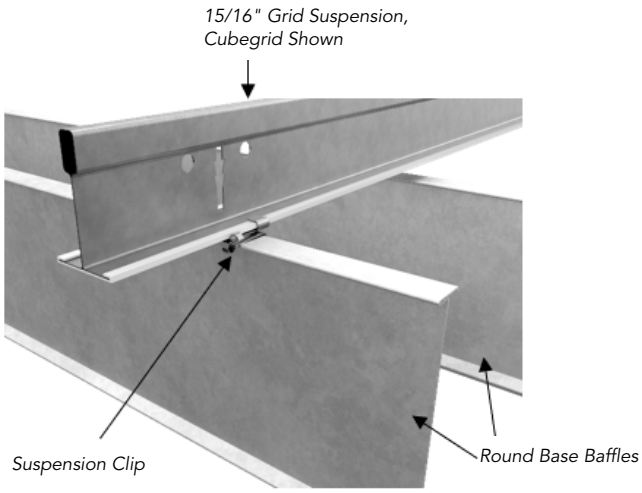
Main runners require 4' web covers, *with holes* only. 4' cross tees require 4' web covers *without holes*.

Intalled Web Covers

3. Baffle Installation

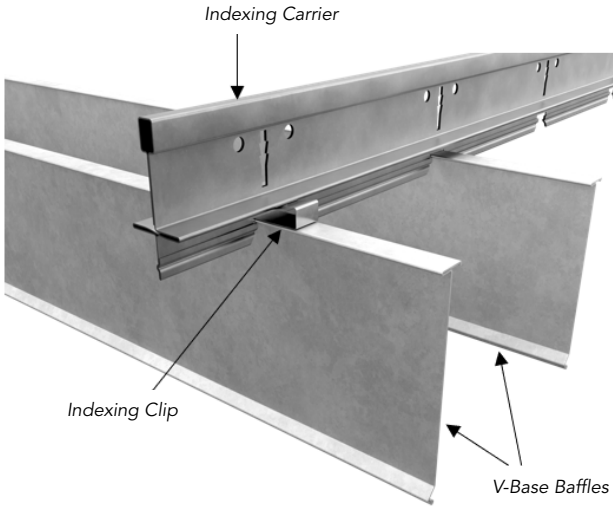
3.1 Utilizing suspension clip

The round base and V-base baffles can be installed directly to the underside of the grid suspension using a baffle suspension clip. Each baffle type has it's own unique suspension clip. Mark the locations onto the grid and install the baffle suspension clips. With two installers, attach the baffles to the clips.



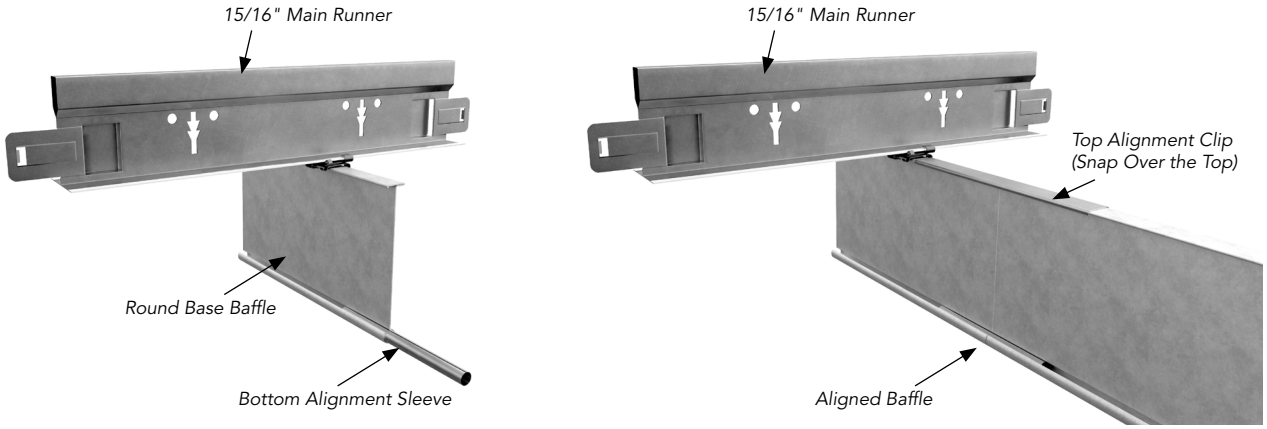
3.2 Utilizing the indexing carrier

Only the V-base baffles can be installed to the indexing carrier. At a slight angle, insert baffles into pre-notched slots in indexing carrier. Insert the indexing clip into the slot between the carrier and the baffle until an audible click is heard. Continue until all indexing clips have been installed.

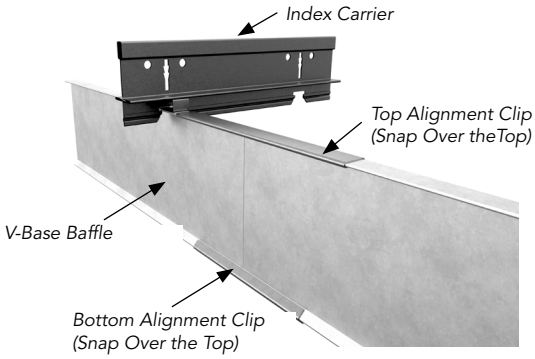


3.3 If long baffle runs are being installed, baffle alignment clips will need to be installed as installation progresses. Splicing the baffles cannot occur directly under the carrier or main runner intersection. Best practice is to splice the baffles just outside of this intersection.

For **round base baffles**, insert the bottom alignment sleeve and align the baffles. Once aligned, insert the long leg of the top alignment clip over the top of the aligned baffles and snap into place.



For **V-base baffles**, align the baffles, insert the long leg of the bottom alignment clip over the V-base profile and snap into place. Similarly, install the top alignment clip over the top of the baffles.



3.4 Cutting Intaline baffles may be required at wall terminations where full size baffles cannot be utilized. This can be accomplished using a miter saw with a high quality metal cutting blade for aluminum (if cutting round base baffles), and for steel (if cutting V-base baffles). Allow the blade to come to full speed before cutting the baffles. Cut the baffles in a slow motion, not forcing the blade too fast, as to not distort the baffles. Using a wood backer is recommended.

4. Baffle Removal

Plenum access is often required to service HVAC, Plumbing, and Electrical. In order to access the plenum, individual baffles must be removed. First locate the area requiring access and disengage the baffle top and bottom alignment clips.

For **baffle removal from suspension clip** - Locate the smaller legs of the clip, diagonally from each other. With firm thumb pressure, lift the small legs of the clip over the top of the baffle and twist the clip until it disengages from the baffle. This step requires firm hand pressure.

For **baffle removal from indexing carrier** - Insert a screwdriver through the loop of the indexing clip and with leverage from the screwdriver, remove the clip. Once the clip is removed, the baffle can be rotated at an angle and removed from the carrier.

2. Cleaning

Select a mild, non-abrasive cleaning agent typically used for cleaning painted or reflective surfaces. Never use abrasive cleaning agents, as they may scratch, mar, alter, discolor, and/or remove the finish.

Before cleaning the finish, perform a trial test on a section of the finish which will be hidden from view once installed. This will ensure that the cleaning agent selected is appropriate and will not damage the finish in question.

Once an appropriate cleaning solution has been selected, care should be taken to use only the amount which is necessary. Do not soak the ceiling components with the solution.

Use a clean soft sponge or cloth when applying the cleaning agent in order to ensure the applicator does not contain any abrasive elements which may damage the finish.

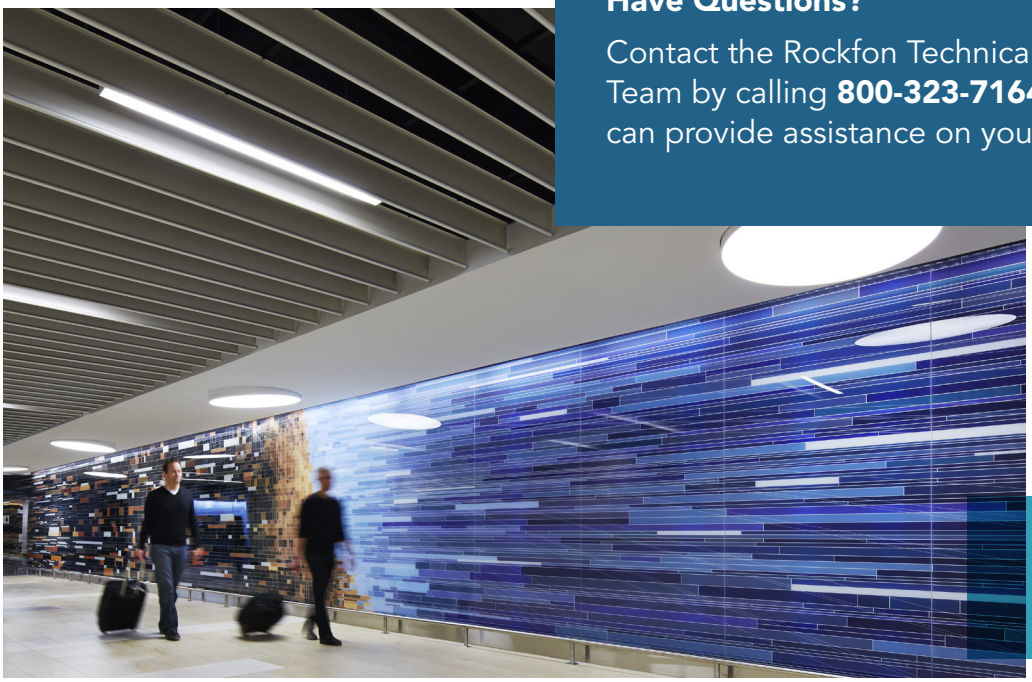
Any excess cleaning solution should be removed immediately so that the solution does not dry and possibly leave a residue. In the event a large area needs to be cleaned, it is advisable to break the area into smaller, more manageable sections, so that adequate time is available to complete each phase of the cleaning process.

After cleaning the soiled or smudged area, wipe the surface with a dry soft cloth to remove any residual cleaning solution and to dry the area. Use a clean damp cloth to remove any residue that cannot be removed with the dry cloth. Repeat the drying process.

After the components are clean, allow a few minutes for air drying before installation. It is important that the clean components are dry to ensure that other materials, such as insulation, which may be susceptible to damage from moisture does not come contact any moisture or damage from the cleaned materials. For additional cleaning information, please refer to our technical datasheet "**How to Clean Painted & Reflective Ceiling Component Surfaces**."

Have Questions?

Contact the Rockfon Technical Services Team by calling **800-323-7164** and we can provide assistance on your project.



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