

Archatrak Rail Support System for Porcelain Planks

The Archatrak rail support system enables elevated decks using porcelain plank style pavers less than 16" wide to be constructed both on rooftops and at ground level with superior security and stability than decks with pavers supported by pedestals only. Hollow aluminum rails are laid over adjustable height pedestals and porcelain pavers are laid over the aluminum rails and spaced by cross-tabs.

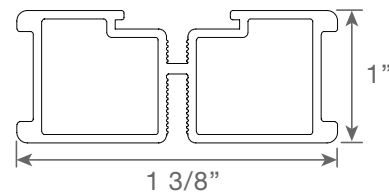
- Provides enhanced stability for elevated porcelain planks.
- Requires fewer pedestals to support narrow pavers.
- Ensures greater resistance to lateral movement.
- Allows flexibility for different paver widths and lengths.
- Sliding and easily adjustable cross-tab placement.



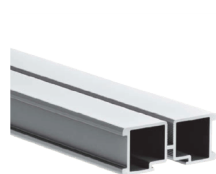
RAIL SUPPORT SYSTEM

Specifications

Rail support	Aluminum tube
Tube dimensions	1 3/8" W x 1" H x 78 3/4" L
Lowest pedestal height	1"
Min. height to paver surface	2"



Rail Accessories



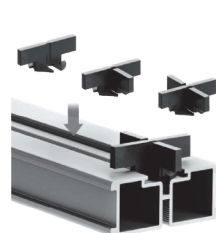
Aluminum Support Rails

Non-corrosive tubular aluminum is used to provide the basic support. Rails are supplied in 78 3/4" long sections for ease of transport.



Rail Joint

The polypropylene rail joint ensures a snug and secure connection between rails, preventing any displacement. Insert the joint into the the first rail, then insert the second rail into the opposing end.



Cross Tab Spacers

The plastic cross tabs create spacing for water drainage and keep the pavers in place. They can be used in their original form or can be cut to form a "T" or an "I". The cross-tab can be inserted into the aluminum rail at any point along its length.



Noise Insulating Rubber Strips

Available in rolls, the adhesive rubber strip creates a cushion between the porcelain pavers and the aluminum rail. This reduces noise transmission and softens the feel of the walking surface. It can be adhered to the entire length of the aluminum rail, or at chosen points.

Pedestal Components



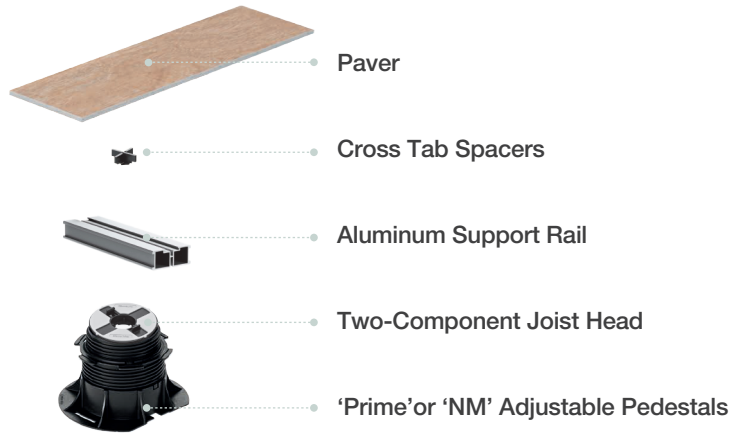
Two-Component Aluminum Joist Head

Pedestals are fitted with a rubber rail support head, with special inbuilt clips that hold the rail in place and remove the need for additional fastenings.



'Prime' or 'NM' Adjustable Pedestals

Pedestal supports add height to elevate decking. 'Prime' pedestals offer a height range of 1 1/8" - 37" with a self leveling head. 'NM' pedestals offer a height range of 1" - 27" with a fixed head.



Rail System Layout and Installation

Surfaces should be solid, clean and sloping slightly for drainage. A solid perimeter containment such as a parapet wall on a rooftop deck, is normally required to prevent the elevated surface from moving, depending on the proposed deck height.

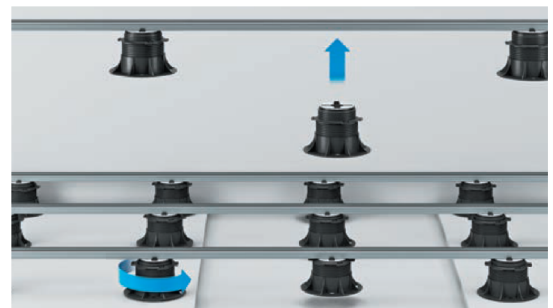
Layout

1. Mark out horizontal lines 24" apart over the area to be laid using chalk.
2. Mark the approx. location for placing the pedestals along these lines, also at 24" spacing, to form a grid. Pedestals around the perimeter should be placed as close to the containment wall as possible.
3. Determine the number of porcelain planks required to span the area and optimize their positioning so no plank at either side is cut less than 4" in width. Be sure to include the cross tab widths in any calculations.
4. Place the pedestals with the special rail support heads in the position previously marked with chalk, selecting the appropriate height pedestal to ensure a final level surface.



Rail Support System Placement

5. Initially place a 78" tubular aluminum rail so that is resting on only two pedestals — one at each end of the rail. Check for level and then position the remaining pedestals dedicated to that rail under the rail and adjust the pedestal heights so they fit tightly when clipped in place. Connect additional rails with rail joints as needed, making sure a pedestal is directly under any joint.
6. Once all the rails are installed and level, insert sliding cross tabs along the rails as required, based on the width of the porcelain planks.
7. Roll out the rubber insulating strips along both sides of the rail.



Paver Placement

8. Lay the porcelain planks perpendicular to the aluminum rails, resting on the rubber insulating strips. Make sure the planks butt tightly against the cross tabs.
9. Complete laying the deck in a likewise manner, ensuring the ends of each plank are located at the cross tab location.

