

# Technical Data Sheet

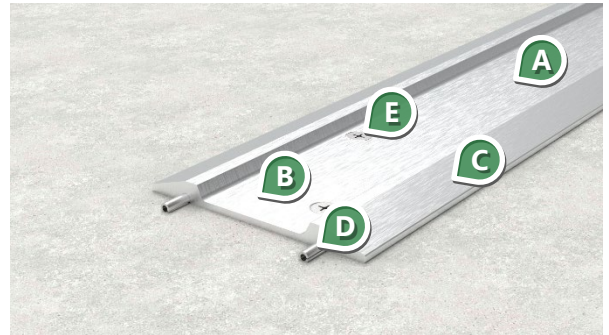


## Rails GREENRAK

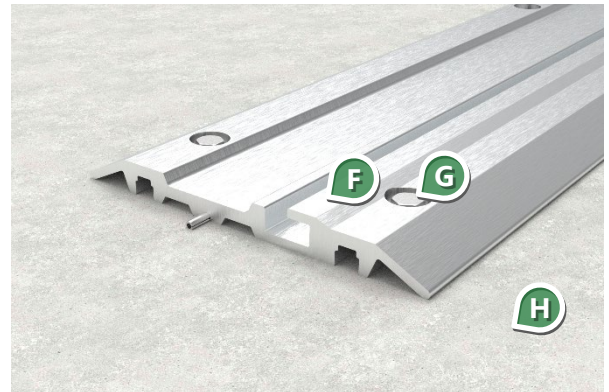
Montel's GREENRAK mobile grow system offers the ideal rail systems for indoor farming applications. With their sleek low profile design, they are easy to install and to clean properly. The seismic versions, surface mounted and embedded, have been designed and rated for the most demanding seismic locations.

### FEATURES:

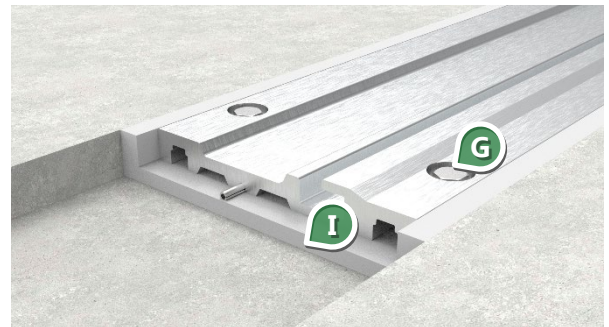
- A. One-Piece Aluminum Design
- B. Easy to Clean Channel
- C. Low-Profile Design
- D. Alignment Spring Pin
- E. Stainless Steel Concrete Screws
- F. Anti-Tip Channel
- G. Ultimate-Performance Screw Anchor with Corrosion-Resistant Coating
- H. Existing Floor
- I. Self-Leveling Mortar



**Standard Rail (Surface Mounted)**



**Seismic Rail (Surface Mounted)**



**Seismic Rail (Embedded)**

### BENEFITS:

- A. All GREENRAK rails are made of aluminum and design to be installed quickly.
- B. The rails are designed to make cleaning easier and more thorough as required for indoor farming applications.
- C. The rails have a low-profile and ramps to reduce tripping hazards.
- D. Alignment spring pins are made of stainless steel and they provide continuity between rails eliminating lateral and vertical movements.
- E. The standard rail is anchored to the floor with stainless steel concrete screws for ultimate corrosion resistance.
- F. Seismic rail versions have an integrated anti-tip channel to conform to strict seismic codes.
- G. Seismic rails have been design to be anchored with 3/8" Hilti screw anchors mechanically galvanized for increased corrosion resistance (stainless steel version also possible). \*Anchors must be approved by a local engineer for seismic applications.
- H. For embedded rails, the existing floor can be cut to create a trench for the rail assembly.
- I. Self-leveling mortar supports the rail uniformly.

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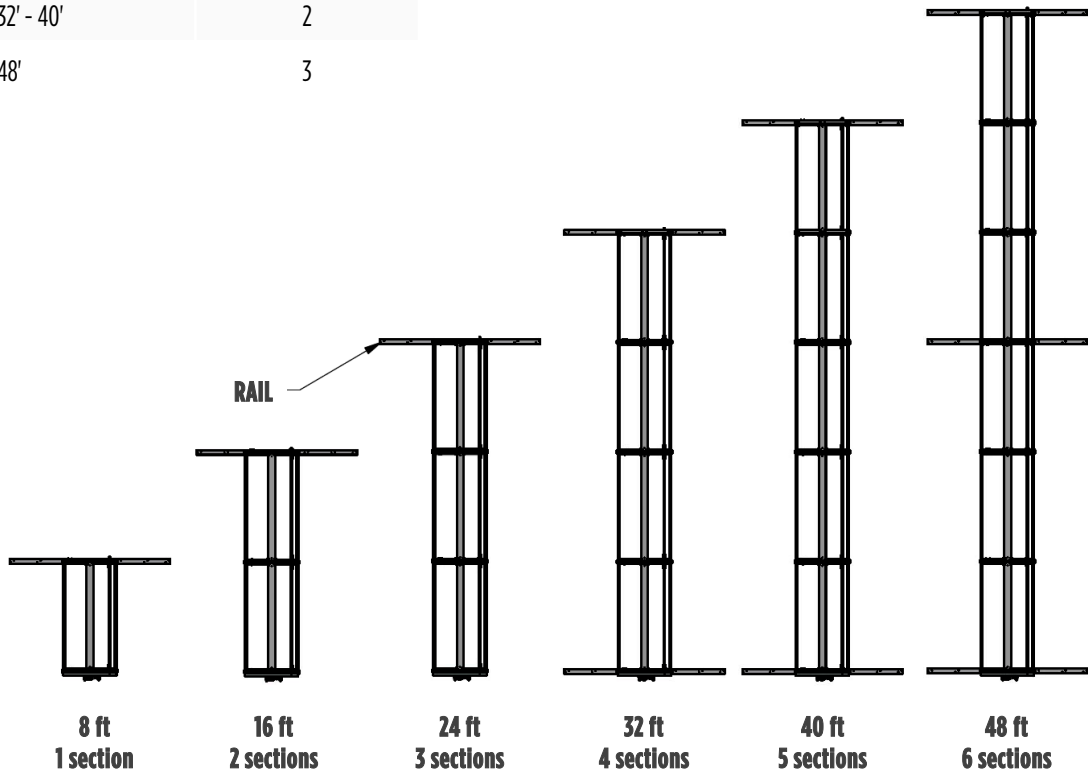


Rails  
**GREENRAK**

## OPTIONAL : MINIMUM RAIL COUNT\*

When the floor levelness has a maximum variation of 5/16" (7.9mm) at each 10' (3.05m) in all directions, Montel's GREENRAK system only requires a minimal amount of rails. The specific requirements are shown below. Reducing the number of rails is especially useful for cleaning the floor more easily. Note that the GREENRAK nylon wheels will roll directly on the floor where there is no rail and therefore Montel recommends having a floor with a hard epoxy finish to prevent floor finish degradation.

Length	Rail Count
8' - 24'	1
32' - 40'	2
48'	3



**\*Option only available for standard rails. Not available for seismic rails.**

# Rails GREENRAK

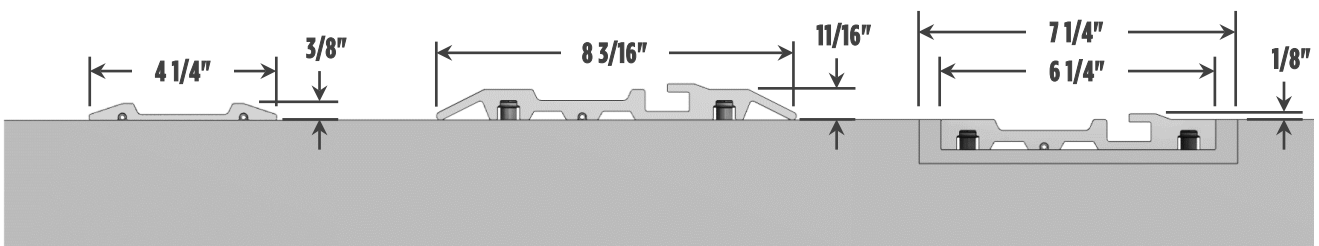
## APPLICATION:

Montel's GREENRAK rail systems are compatible only with Montel's GREENRAK grow mobile system. The standard rail is top mounted on the floor and used for non-seismic areas. For seismic areas, there are two options available : surface mounted seismic rail or embedded seismic rail. All versions are compatible with scissor lift operations.

## TECHNICAL SPECIFICATIONS:

- **Design:** The rails are designed and manufactured to carry the loads imposed by the mobiles. They are made of aluminum.
- **Anchors:** They secure the rail to the concrete floor.
  - Standard Rail: Anchors are 1/4" x 1 3/4" 304SS concrete screws.
  - Seismic Rails: Anchors are 3/8" x 3" Hilti KH-EZ CRC screw anchors. Stainless steel option possible.  
\*Anchors must be approved by a local engineer for seismic applications.
- **Finish:** Rails have bare extruded aluminum finish, except the embedded rail that is coated to serve as a barrier against oxidation caused by the contact of aluminum with fresh concrete.
- **Floor Levelness:** A maximum variation of 1/2" (12.7 mm) within 10' (3.05 m). For application with minimal rail count, a maximum variation of 5/16" (7.9mm) at each 10' (3.05m) (standard rails only).
- **Rail Installation:** A maximum variation of 1/16" (1.6mm) between adjacent rails, perpendicular to rail direction; 1/64" (0.4mm) maximum variation of the center-to-center alignment between two rail sections at any given junction.

## DESIGN AND CAPABILITIES:



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+1 877-935-0236

www.montel.com • growmore@montel.com