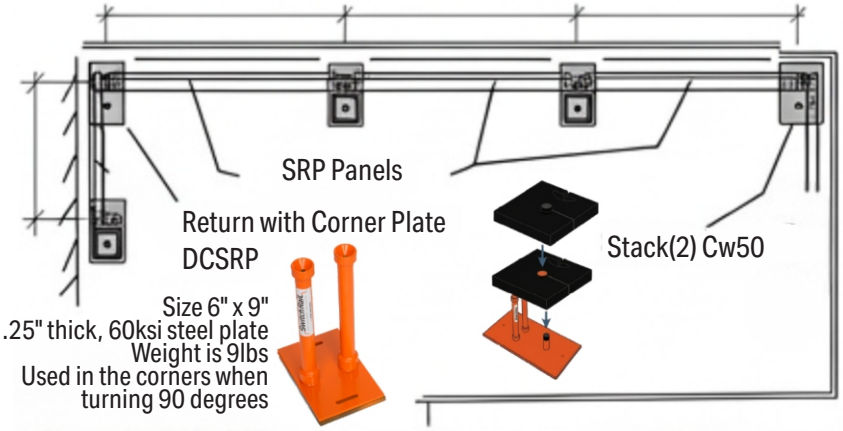
Specification Sheet:

SWITCHRAIL Non-Penetrating Guard Rail System

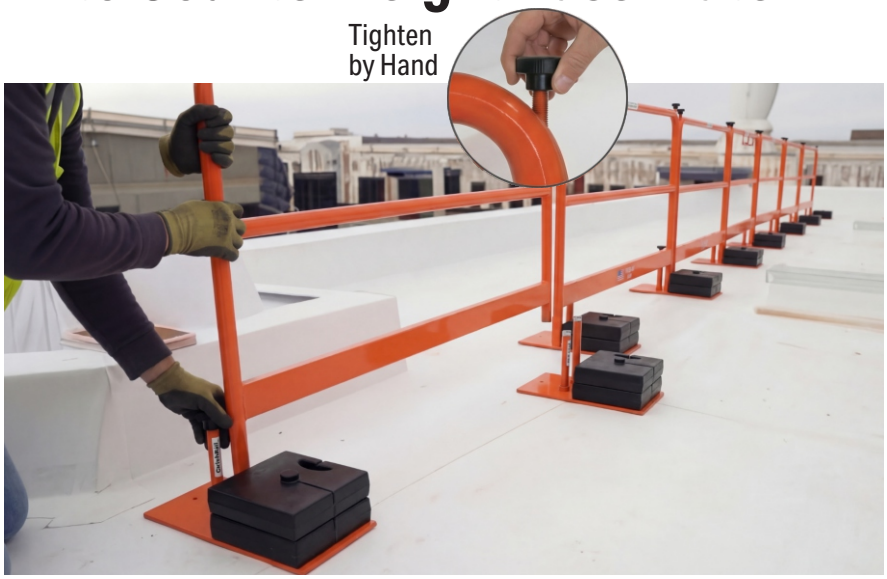
SwitchRail®
Modular Safety Rail System

The system provides a fall protection barrier against the 200-pound specified load applied 42" above the walking surface in any direction that results from a worker within the protected area making contact.
Below is a diagram of the typical installation.

1: Base Plate Layout

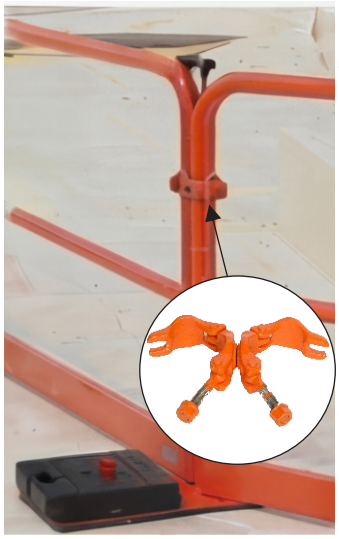


2: Align and Lower Guard Rail into Counterweight Base Plate



Basis and Limitations
All fastening instructions provided by Switch Rail Systems must be followed. The suitability of the total system must be evaluated in each application at the site by a designated competent person. The system is not designed for personal tie-off or fall arrest.

3: Secure Connections



Rail sections must be connected at the top using standard Switch Rail swivel tube clamps.

- Size: 2" x 2" forged steel
- Weight: 4.0 lbs
- Application: Used between rail sections, installed 6-9" down from the top handrail.
- Strength rating: 4,000 lbs
- Tube slip rating: 2,200 lbs when tightened to 45-60 lbf-ft.
- Finish: Powder coating available in custom colors (standard is orange)

4: Install End Run Assembly or 90° Corner Plate as Needed

5: Final Check

- ☑ Verify OSHA handrail and knee rail heights.
- ☑ Confirm all connections are secured.
- ☑ Ensure minimum counterweights and end-runs are installed.

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