

GarDIA-600 Guardrail for Permanent Use

Modular, self-ballasted safety railing, installed without penetrating the roof

#710507



Manual

■ Green up the roof!



Application:

The principle application of the GarDIA-600 system is providing perimeter safety and fall protection for vegetated roofs, roof patios, and rooftop amenity spaces. Securing rooftop escape pathways is also a common application for the guardrail system. These applications require both security and pleasing aesthetics, but are located where structural attachments or roof penetrations are undvised. Installation of GarDIA-600 is simple and quick, and it is suitable for all low-slope roofs with up to 5° slope.

Installation instructions:

- #1a Installation over aggregate
- Check and organize module units, parts and compare them with the schedules.(Pic.01)
- Lay down MDE-60 heavy duty drainage boards along the line of proposed railing. Place a minimum 2" depth of 5/8" minus washed crushed rock into the drainage boards, spread the rock to form a level base for the railing system.
- Compact the crushed rock with 200-300lb landscape roller or hand compactor. When gravel base is approved, deliver and place modules on the roof. #1b Installation over pedestals:
- Place the pedestals following by the layout plan, the desing plan is calling the desired height
- Adjust the pedestal height by using laser level #2 Installation of GarDIA-600 structue:
- Position the ballast-tray-modul units on top of the substrate, following instructions on drawings.(Pic.02)
- Connect modules together with the provided fasteners, and tightened them lightly to leave room for later adjustments.
- Attach the railing units to the ballast tray, and again tightened them lightly.
- Make fine adjustments to the position of the handrails, and aligning each with established elevations.
- Once finished, each screw should be tightened to 29 lbs×ft of torque, making sure connections form tight joints.(Pic.03)
- Place the ballast, pavers or plant containers, according to the construction drawings.(Pic.04)

Installation Tools:

Compact bedding with a 200-300 lb. landscape roller or hand-held compactor. Use two metric #13 key wrench, Philip screwdriver and a torque wrench to install the bolts properly for the assembly of the components.

Installation Photos:

