

Rail Access Service Landing

Our client in Victoria specialises in railway infrastructure and as part of the upgrade they were undertaking, it was designated that an access service landing be installed. To ensure safety, this had to be constructed from a non-conductive material to insulate from any stray electrical current.

Treadwell was engaged to provide a complete solution which included designing and supplying the structure, landing and safety rails.

Project Challenges

- To provide a non-conductive landing to prevent electrical current from being transferred from the electric rail supply.
- Could only be supported from one main wall, with assistance from an adjacent architectural wall.
- The service landing had to be fully engineered and pre-assembled.

PROJECT INFORMATION

Project Category:	Service landing
Scope of Work:	Design, engineer, fabricate, assemble and supply service landing
Treadwell Products:	ArchitEX™ FRP Wide Flange Profiles EX-Series® GratEX® FRP Grating RailEX® ROUND FRP Handrails



Treadwell Solution:

- 1 ArchitEX™ structural beams, GratEX® FRP mini and micro mesh grating, and RailEX® handrails were specified as they met the non-conductive requirements of the project.
- 2 Treadwell was able to provide a complete design, engineering, and fabricated solution.
- 3 All products were in stock and were delivered and assembled within the designated timeframe.
- 4 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.
- 5 Being lightweight and easy to install, FRP is very manageable during construction.
- 6 Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.