

Sydney Trains

New South Wales – This train station is part of the extensive passenger rail network serving the city of Sydney. As part of an essential passenger accessibility upgrade, a lift shaft and related supporting platforms were installed. This was to provide a better experience for public transport commuters by delivering modern, reliable and safe infrastructure.

Treadwell was engaged to supply the FRP C-Channels for this upgrade.

Project Challenges

- Outdoor installation meant that weather conditions had to be considered.
- The selected material had to withstand exposure to outdoor weather conditions and remain corrosion free.
- The selected material had to be non-electrically conductive to ensure safety for users.

PROJECT INFORMATION

Project Category:	Train Station Infrastructure
Scope of Work:	Supply FRP structural profiles
Treadwell Products:	ArchitEX™ FRP Structural Profiles



Treadwell Solution:

1

FRP is lightweight and is very manageable during construction.

2

ArchitEX™ FRP structural profiles are constructed from premium resin systems which ensure durability with built-in corrosion resistant properties.

3

FRP naturally has low thermal and electrical conductivity, providing excellent insulation against any potential stray currents.

4

FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.

5

Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.