

# CASE STUDY

## Telecommunications



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### Overview

A company specializing in mobile radio wireless communications networks was looking to add a Fiberglass Reinforced Plastic (FRP) antenna shroud/platform to the top of an existing galvanized steel HVAC equipment shed.



### Problem

It was imperative that the new rooftop antenna shroud addition meet local bylaws, and also blend in with the existing galvanized steel structure while offering RF transparency.



### Solution

Glotman Simpson Consultants were commissioned for the original antenna shroud design and Fibergrate was chosen to provide custom design details, engineered stamped drawings and on-site support.

Fibergrate's custom shroud solution was selected as an ideal shroud material as it is RF transparent, allowing for minimal attenuation loss from the antennas sitting behind the FRP shroud. The platform grating material inside the shroud was also provided in FRP due to its non-slip surface and corrosion resistance to outdoor elements.

The Consultant, General Contractor, and the wireless communication network provider were all thrilled with the final product with its near perfect match in colour and material dimensions to the existing galvanized steel HVAC shroud.



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