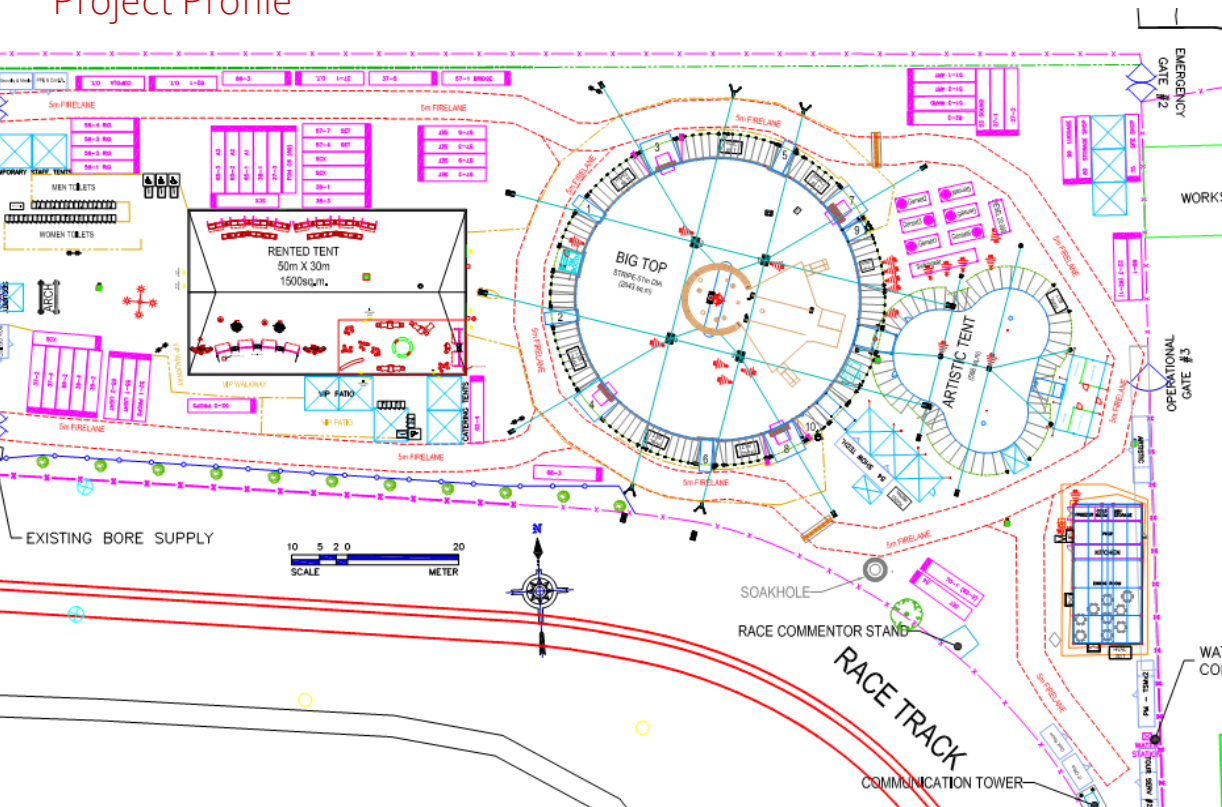


Cirque du Soleil America inc.

CIRQUE DU SOLEIL 2019

Project Profile



PROJECT SUMMARY

The Cirque du Soleil production 'Kooza' was performed in a temporary structure (The Big Top) located in Epsom, Auckland. The Big Top Structure comprised a large tent with fixed seating for approximately 2600 persons. The structure was temporary in nature and was removed at the end of the production.

The fire design developed as an alternative design to the New Zealand Building Code (NZBC) as the temporary nature of the structure did not fit into the framework of the Approved Documents.

CROSSFIRE VALUE TO PROJECT

Crossfire developed a performance-based design that satisfied the NZBC requirements allowing no fixed alarm systems due to the temporary nature of the structure. Instead, staff fully trained in the emergency procedures were stationed throughout the Big Top during the performance.

Higher numbers of seating were permitted within The Big Top on some rows than typically allowed by the then-current C/AS4. This relaxation on the seat number requirement was justified by the installation of other features that were in excess of the requirements including the aisle widths and travel distances.

Client
Cirque du Soleil America Inc.

Architect
N/A

Date
2018, 2019