

Project Profile

Golden Grove Recreation Centre Fire Separation & Associated Works



Client	City of Tea Tree Gully
Location	Golden Grove, SA
Duration	6th October 2015 – 17th February 2017 (Undertaken over two stages)
Contract	Fire Separation and Compartmentation External Works
Cost	Stage 1 - \$336,515 / Stage 2 - \$284,815

Project Overview

McMahon Services was engaged by the City of Tea Tree Gully to undertake works at the Golden Grove Recreation Centre, in Golden Grove SA.

These works formed part of a larger project to bring a stadium at the Recreation Centre up to fire system and design standards within the current building code, as identified by the Building Fire Safety Committee.

McMahon Services completed the project over two stages. Stage one, completed over Christmas shutdown 2015 / 2016, consisted of fireproofing of the double court stadium, and fire shielding the Northern and Eastern walls. Stage two works, completed over Christmas shutdown 2016 / 2017, consisted of fireproofing the external wall of the stadium.

The project scope included the following:

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- › Fireproof Northern and Eastern external walls with;
- › Two layers of FireShield – a plasterboard that is formulated to resist fire;
- › Intumescent paint – a paint that expands into an insulating char up to 50mm thick during a fire, to steel beams;
- › Vermiculite and Bindex sealant to gaps.
- › Disconnect and move solar panel arrays located on the roof, to allow scaffolding to be assembly in the panels position;
- › Disconnect lighting and smoke detectors from the internal ceilings, allowing ceiling removal to access the upper walls;
- › Propping roof structure with temporary supports to allow for scaffolding on the roof; this was following an engineering inspection and report, it was discovered that the existing roof structure was unable to support the scaffold and building material loads in several locations. This required the roof to be propped from underneath, within the cafeteria area, with transfer beams installed above the atrium.
- › Cranage of scaffolding and building material onto the roof as the building material could not be stored on the roof. This resulted in a lifting basket being designed and constructed in-house for the materials to be carted via crane onto the roof, allowing for plasterboard to be carted within close proximity to the work areas.

In order to secure personnel to complete the work over the Christmas period, planning for the project commenced three months prior to site establishment. A team of ten full time McMahon Services personnel completed the project, with subcontractor work totalling only 15% of the total contract value.

