



MTS Metallurgical Testing Services
ABN 54 122 133 331
3/52 Cocos Drive Bibra Lake Western Australia 6163
Tel 08 9418 6380 Fax 08 9434 1328

Test Report

To Sorrento Glass
1 / 7 Hector St Osborne Park WA 6017
Order No. G. Vile

Report No. **MTS-18392 SG Rev 2**
Issue Date 22/08/2014
Test Date 13/06/2014

Introduction

MTS Metallurgical Testing Services was engaged to perform load tests on a toughened safety glass pool fence panel in general accordance with the requirements of AS 1926.1 - 2012.

Details

ID	Item/Heat No.	Dimensions/Type/Details	Overall Assessment
18392/01		2.0m Long x 12mm Thick x 1.2m High frameless toughened safety glass panel supported on 50mm Square duplex stainless steel spigots	COMPLIES

Examinations & Tests

The details and procedure for the installation of the spigot fixings were observed and verified. Subsequently, the static and dynamic load tests were conducted on the fully installed panel.

Summary

The results of the tests reported herein COMPLIED with the requirements of AS 1926.1 - 2012.

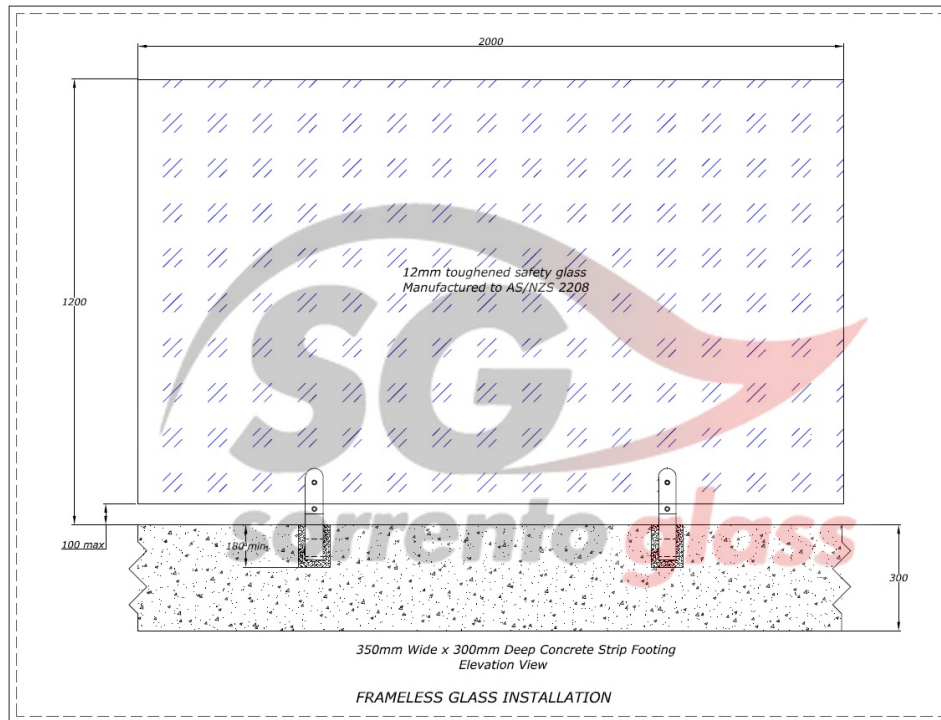
Remarks

Revision 2: This report is a revision of MTS-18392 SG Rev 1, dated 18 July 2014, and has been revised to include additional information about the glass panel type and thickness.

Colin Lorrimar
Metallurgical Testing Manager

Results

Visual Examination



The panel was installed in accordance with this drawing, modified to suit the 100mm thick floor at the test site.

Test items



50mm Square Spigot - Face view



50mm Square Spigot - Side view

Results

Load Test

Test Specification	AS 1926.1 - 2012, Appendix C	Test Procedure	MTS-TP3.7 Load Tests of Protective Enclosures, Barriers and Fences
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Specimen ID	Test Load (N)	Deflection Under Load (mm)	Permanent Distortion (mm)	Observations	Assessment
18392/01	330	21.5	0.0	No damage or permanent distortion.	COMPLIES



The fence panel under test load.

Requirements No breakage or signs of fracture or loosening of any part. Maximum Permanent Distortion: 6mm.

Results

Strength Test (Dynamic Load)

Test Specification	AS 1926.1 - 2012, Appendix D	Test Procedure	MTS-TP5.3 Dynamic Load (Pendulum) Tests of structures and Components
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Specimen ID	Observations	Assessment
18392/01	<p>Test Object Weight: 9.5 kg Pendulum Radius: 1400mm The test object was impacted into the pool fence panel at three separate locations. Test Results: No breakage, tearing, signs of fracture or loosening of fixings or components.</p>	COMPLIES



The test object contact position.



The test object ready for release.

Requirements	No breakage, tearing or signs of fracture and no looseness of the fixings or components that would impair the effectiveness of the barrier.
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