



MTS Metallurgical Testing Services
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Test Report

To Clear-az-Glass Fencing
Unit 8 / 57 Paramount Drive Wangara WA 6065
Order No. Att: C. Bain

Report No. **MTS-20838 CAZG**
Issue Date 8/05/2015
Test Date 5/05/2015

Introduction

MTS Metallurgical Testing services was engaged to witness the installation and to perform load tests on a pool fence gate and gate post in general accordance with the requirements of AS 1926.1 - 2012.

Details

ID	Item/Heat No.	Dimensions/Type/Details	Finish	Overall Assessment
20838/01	GG800 Gate	10mm Toughened Safety Glass panel with 316 stainless steel fittings	Polished	COMPLIES
20838/02	SFAL Gate Post	50mm Square Semi-frameless Aluminium 6063 T5	Powder coated	COMPLIES

Examinations & Tests

The details and procedure for the installation of the pool fence gate and gate post were observed and verified. The load tests were applied in accordance with Appendices B and E of the standard.

Summary

The results of the test reported herein COMPLIED with the requirements of AS 1926 - 2012.

Colin Lorrimar
Metallurgical Testing Manager

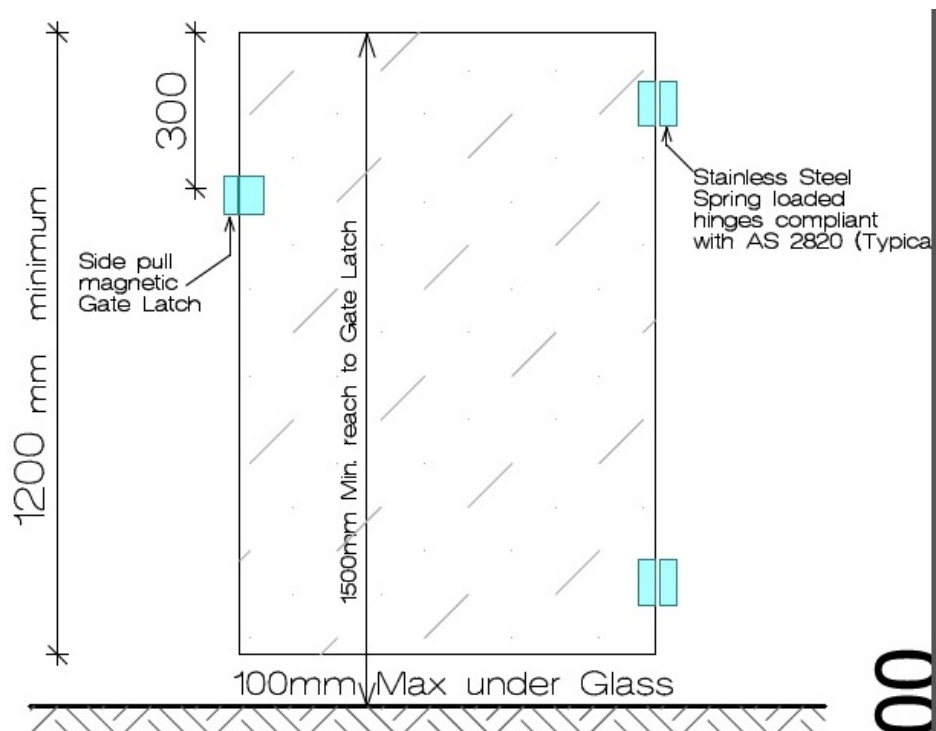


Accreditation No: 15624
Accredited for compliance
with ISO/IEC 17025

Results



The Gate and Gate Post.



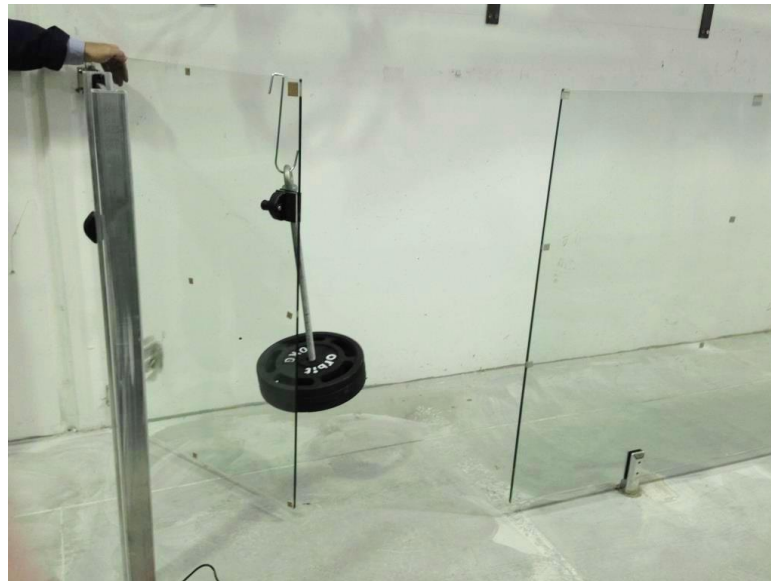
The gate was installed in general accordance with this drawing, modified to suit the 125mm thick floor at the test site.

Results

Vertical Load Test of Gate

Test Specification AS 1926.1 - 2012, Appendix E **Test Procedure** MTS-TP3.7 Load Tests of Protective Enclosures, Barriers and Fences

Specimen ID	Test Load (N)	Deflection Under Load (mm)	Permanent Distortion (mm)	Observations	Assessment
20838/01	250	13.0	0.0	No breakage, fracture or permanent deformation was evident. After the test the automatic closing function was intact.	COMPLIES



The gate under test

Requirements

- After completion of testing:
1. No part of the gate shall fracture, break or loosen.
 2. The gate shall not be permanently deformed.
 3. The gate shall self close automatically.

Results

Horizontal Load Test of Gate

Test Specification AS 1926.1 - 2012, Appendix E **Test Procedure** MTS-TP3.7 Load Tests of Protective Enclosures, Barriers and Fences

Specimen ID	Test Load (N)	Deflection Under Load (mm)	Permanent Distortion (mm)	Observations	Assessment
20838/01	330	8.0	0.0	No breakage, fracture or permanent deformation was evident. The latch did not unintentionally release during the test. After the test the automatic closing function was intact.	COMPLIES



The gate under test - Position 1

20838/01	330	5.0	0.0	No breakage, fracture or permanent deformation was evident. The latch did not unintentionally release during the test. After the test the automatic closing function was intact.	COMPLIES
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The gate under test - Position 2

Results

Specimen ID	Test Load (N)	Deflection Under Load (mm)	Permanent Distortion (mm)	Observations	Assessment
20838/01	330	10.0	0.0	No breakage, fracture or permanent deformation was evident. The latch did not unintentionally release during the test. After the test the automatic closing function was intact.	COMPLIES



20838/01	330	24.0	0.0	The gate under test - Position 3 No breakage, fracture or permanent deformation was evident. The latch did not unintentionally release during the test. After the test the automatic closing function was intact.	COMPLIES
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The gate under test - Position 4

Results

Specimen ID	Test Load (N)	Deflection Under Load (mm)	Permanent Distortion (mm)	Observations	Assessment
20838/01	330	16.0	0.0	No breakage, fracture or permanent deformation was evident. The latch did not unintentionally release during the test. After the test the automatic closing function was intact.	COMPLIES



The gate under test - Position 5

Requirements

After completion of testing:

1. No part of the gate shall fracture, break or loosen.
2. The gate shall not be permanently deformed.
3. The gate shall self close automatically.
4. The latch must not be unintentionally released during the test.

Remark

The gate was load tested in five locations including at its weakest point (Position 4).

Results

Load Test of Gate Post

Test Specification AS 1926.1 - 2012, Appendix B **Test Procedure** MTS-TP3.7 Load Tests of Protective Enclosures, Barriers and Fences

Specimen ID	Test Load (N)	Deflection Under Load (mm)	Permanent Distortion (mm)	Observations	Assessment
20838/01	330	13.0	0.0	No permanent deformation was evident.	COMPLIES



The gate post under test.

Requirements No permanent damage or looseness of footings.