

# Glass Balustrade Load Test Certificate

<b>Project:</b>	Glass Balustrade Test
<b>Project No.:</b>	68018
<b>Report No.:</b>	68018/1
<b>Client:</b>	Origin Architectural Limited
<b>Date Tested:</b>	08/11/2022
<b>Date Reported:</b>	04/01/2023

<b>Test Specification:</b>	Proof load testing of balustrade in accordance with BS 6180: 2011, Table 2, loading case (ii). Horizontal Line Load of 0.74 kN/m; UDL to panel of 1.0 KN/m <sup>2</sup> ; Point load of 0.5 kN.
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<b>Notes:</b>	Load applied incrementally in stages of 20% of the desired load
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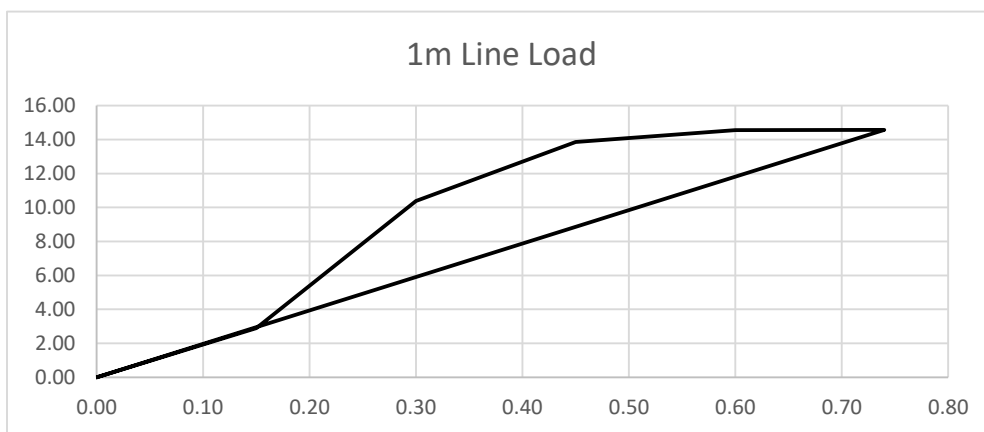
<b>Test Engineers:</b>	PR
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## Balustrade Specification

<b>Barrier Type:</b>	Glass Balustrade
<b>Panel Height (mm):</b>	898 10mm toughened glass
<b>Panel Width (mm):</b>	1000 10mm Toughened Glass
<b>Panel Support:</b>	2x42mm dia stainless steel posts each with 2xglass clamps for 10mm glass and 42mm dia handrail, supported by 2x handrail brackets. M8 fixings into concrete.
<b>Top rail :</b>	42mm diameter top rail

## Test Results

1m Line Load	
Load (kN)	Displacement (mm)
0.00	0.00
0.15	2.90
0.30	10.38
0.45	13.85
0.60	14.55
0.74	14.57
0.00	0.00



<b>Deflection Limit</b>	15.38
<b>Test Summary:</b>	Pass



**Adam Fawcett - Operations Manager**  
CMTL Ltd