

**Lightning Protection System  
Completion Certificate  
BS EN 62305:2006**



<b>Client :</b> IMTECH ENGINEERING SERVICES CENTRAL LTD	<b>Site :</b> OLYMPIC STADIUM TRANSFORMATION	
<b>Omega Reference: F167607 Q336327</b>		
<p><b>Lightning Protection System</b> The lightning protection system has been installed to Level III BS EN 62305:2006</p> <p><b>Air Termination Network</b> The air termination network comprises 25 x 3mm aluminium conductors and complies with BS EN 62305-3:2006 section 5.2</p> <p><b>Down Conductors</b> The down conductor network is formed by the building structural steelwork and complies with BS EN 62305-3:2006 section 5.3</p> <p><b>Earth Electrode System</b> A 'type A' earth electrode system has been installed in accordance with BS EN 62305-3:2006 section 5.4</p> <p>The total calculated resistance of 28 earths is 0.01Ω</p> <p><b>Surge Protection Devices</b> Surge protection devices are required as part of the lightning protection system under the R<sub>1</sub> risk category</p> <p>The surge protection devices supplied and installed by others comply with BS EN 62305:2006</p>		
<b>The installed lightning protection system is compliant to BS EN 62305:2006</b>		
<p>We certify that we have examined this installation in accordance with BS EN 62305:2006. Non-disclosure of additional services entering or leaving the structure, sub-distribution systems or a change in building use may invalidate this certificate.</p> <p>The lightning protection system must be inspected in accordance with BS EN 62305:2006 and the Electricity at Work Regulations 1989, at regular intervals from the date of this certificate.</p>		
Contract supervisor: [REDACTED]	Installation completion date:	15 July 2015
	First inspection due:	June 2016
	Engineer's name:	[REDACTED]
Issue date: 15 July 2015		

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**Earth Resistance Values**

E1	.30Ω	E2	.21Ω	E3	.27Ω	E4	.25Ω	E5	.22Ω
E6	.31Ω	E7	.31Ω	E8	.22Ω	E9	.24Ω	E10	.30Ω
E11	.30Ω	E12	.24Ω	E13	.41Ω	E14	.31Ω	E15	.28Ω
E16	.23Ω	E17	.25Ω	E18	.25Ω	E19	.26Ω	E20	.22Ω
E21	.24Ω	E22	.28Ω	E23	.27Ω	E24	.21Ω	E25	.29Ω
E26	.30Ω	E27	.31Ω	E28	.24Ω				

Test meter reference: OMG/LA291  
Calibration date: 06.11.14

**Notes**

The air termination network comprises PVC conductors.  
The earth electrode system uses the structural foundations.  
There are 150 equipotential bonds between the lightning protection system and extraneous metallic items.

**Comments**

CONTINUITY TESTS CARRIED OUT AT ROOF LEVEL FROM OUTER STEELS TO UPSTAND STEELS - 0.04 - 0.06 OHMS.