

## MANUFACTURER'S QUALITY STATEMENT AND STANDARDS

Total Fabrications Limited (TFL) design and manufacture a range of standard and bespoke products and equipment. These include TOTAL, SLICK and T2® brands.



We confirm that the following items with the serial no's listed below conform to the following declarations:

Lite Alternative LAD truss 35722 – 35733 & 36033 - 36042

### Quality Management

- The quality administration systems of TFL are assessed and approved to the following standard (QMS certificate number GB 8209): BS EN ISO 9001 : 2000

### Design and Manufacturing

The following standards are used in the design and manufacture of TSG aluminium products:

- BS EN 1999-1 Design of Aluminium Structures
- BS EN 1991 Loading for buildings
- CWA 15902-2 Lifting and load bearing equipment for stages and other production areas within the entertainment industry.
- CWA 15902-2 part 2, Specifications for design, manufacture and for use of aluminium and steel trusses and towers.
- SLICK truss designed prior to 2003 is designed and calculated to the following standards: DIN 1055, DIN 18800, DIN 4122, DIN 4113, DIN 1481

TFL employs welders tested and approved in accordance with the following standard:

- BS EN ISO 9606-2:2004 Qualification test of welders. Fusion welding. Aluminium and aluminium alloys

Well established procedures are used, including those which have been approved in accordance with the following standards:

- BS EN ISO 15614-2:2005 Specification and qualification of welding procedures for metallic materials. Welding procedure test. Arc welding of aluminium and its alloys.
- BS EN ISO 15613:2004 Specification and qualification of welding procedures for metallic materials. Qualification based on pre-production welding test.

### Materials

The principal aluminium alloy used is grade 6082 condition T6, with corresponding filler wire grade 4043A conforming to the following standards respectively:

- BS EN 755-2 : 1997 Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles, Part 2. Mechanical properties
- BS 2901-4 : 1990 Filler rods and wires for gas-shielded arc welding. Specification for aluminium and aluminium alloys and magnesium alloys

Steels used include grades 605M36T and S275 and stainless steel grade 303S31 to the following standards:

- BS 970-3 : 1991 Specification for wrought steels for mechanical and allied engineering purposes. Bright bars for general engineering purposes
- BS EN 10025 : 1993 Hot rolled products of non-alloy structural steels. Technical delivery conditions
- Bolts and nuts are grade 8.8 to the following standard:
- BS 3692 : 2001 ISO metric precision hexagon bolts, screws and nuts. Specification

Issued by.....M.Thomas.....

Dated 20th November 2013

Mervyn Thomas, Managing Director

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**TOTAL**  
FABRICATIONS

*Slick*



**Total Training**

**new wave**  
(pat. pending)

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We confirm that the following items with the serial no's listed below conform to the following declarations:

39195 – 39224; LAD Truss

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- BS EN 1999-1.1 Design of Aluminium Structures
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- CWA 15902-2 Lifting and load bearing equipment for stages and other production areas within the entertainment industry.
- CWA 15902-2 part 2, Specifications for design, manufacture and for use of aluminium and steel trusses and towers.
- EN ISO 1090-3 for Manufacturing
- CE Marking according to the Machinery Directive (MD), 2006/42/EC, directive statement 4.1.2.5 and / or Construction Products Regulation (CPR), 305/2011, CEN/TC 250 Structural Eurocode's where applicable.
- SLICK truss designed prior to 2003 is designed and calculated to the following standards: DIN 1055, DIN 18800, DIN 4122, DIN 4113, DIN 1481

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Issued by.....*M.Thomas*.....

Dated 15th September 2014

Mervyn Thomas, Managing Director

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**TOTAL**  
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**Total Training**

**new wave**  
(pat. pending)

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We confirm that the following items with the serial no's listed below conform to the following declarations:  
LAD5FB and LADC4W; 39398 & 39405 for O13952

**Quality Management**

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**Design and Manufacturing**

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Dated 14rd November 2014

Mervyn Thomas, Managing Director

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