

## 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<sup>®</sup> brands.



We confirm that the following items with the serial no's listed below conform to the following declarations:  
Serial no. 23416 – 23429 Q9862, Delivery dated: 21st June 2010:

### 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 TFL aluminium products:

- BS 8118 Part 1 : 1991 Structural use of aluminium - Part 1: Code of practice for design
- BS 8118 Part 2 : 1991 Structural use of aluminium - Part 2. Specification for materials, workmanship and protection
- BS 6399 Loading for buildings
- BS 7905-2 : 2000 Lifting equipment for performance, broadcast and similar applications - Part 2: Specification for the design and manufacture 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.....*Mervyn Thomas*

Dated 01st July 2010

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**TOTAL**  
FABRICATIONS

*Slick*



Total Training

new wave  
(pat. pending)