



Specification Sheet

Aluminium Frame

Box aluminium framed sections in three main profile sizes:

- » 246mm x 137mm
- » 316mm x 137mm
- » 396mm x 137mm

The structure consists of portal frames spaced at 5m centres to suit varying spans between 10 - 30m and varying eave heights between 6m, 5m and 4m. Dependent upon customer requirements and site specific issues these sizes can vary.

All main components to the structure are fabricated from aluminium alloys (6005A). The connection inserts are fabricated out of carbon steel (S355) plates and bolts. The structure is stabilised by sway frames spanning the longitudinal direction and braced bays in transverse direction, with end bays and every 6th internal braced bay, depending on the general arrangement.

Our frames are designed and manufactured in accordance with the following Eurocodes;

- » **BS EN 1991-1-3:2003** - General Actions (Snow Loads)
- » **BS EN 1991-1-4:2005** - General Actions (Wind Actions)
- » **BS EN 1993-1-1:2005** - Eurocode 3
Design of Steel Structures
- » **BS EN 1993-1-1:2007** - Eurocode 9
Design of Aluminium Structures

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