

TO1 Heavy Duty Radar Tower

Jaggard provide a wide range of self-supporting towers and guyed masts for various applications. Jaggard are able to offer developed or bespoke-design structures to suit the customer's requirements.

The TO1 is a wide-face, heavy, square tower, of galvanised angular steel construction.

It is principally designed for supporting large radar antenna systems. The tower's heavy construction allows for the addition of turning gear/motor cabins and protective radomes as required. This tower type is provided with a wide access stairway as standard.

Specification

Design

Analysis and member design in accordance with British Standards, ANSI TIA or Eurocodes as required.

Wind loading

Jaggard holds extensive data on wind speeds worldwide and can advise on suitable basic wind speeds for sites in most locations. Jaggard can also advise on the application of basic wind speeds for different topographies such as coastal plain, suburban, countryside, hills, mountains etc

Deflection

Towers can be analysed against specific deflection criteria (tilt & twist) as required by the client or as suited to the application.

Construction & materials

All angle steel construction with bolted connections. Mild or high yield steel members as required or specified. All members hot dipped galvanised as standard or finished with protective paint coating systems as required.

Foundations & Geotechnical

Jaggard can provide complete foundation design & construction services or issue design data for third party design & construction as required.

Jaggard can also provide geotechnical investigation services or provide a geotechnical specification to enable third-party investigations.

Installation

Jaggard can undertake tower erection and installation services with their own qualified and experienced teams or supervise third-party installations if required.

Accessories

Towers can be provided with a full range of accessories including:

Aircraft warning lighting systems

Stairway access

Cable management systems

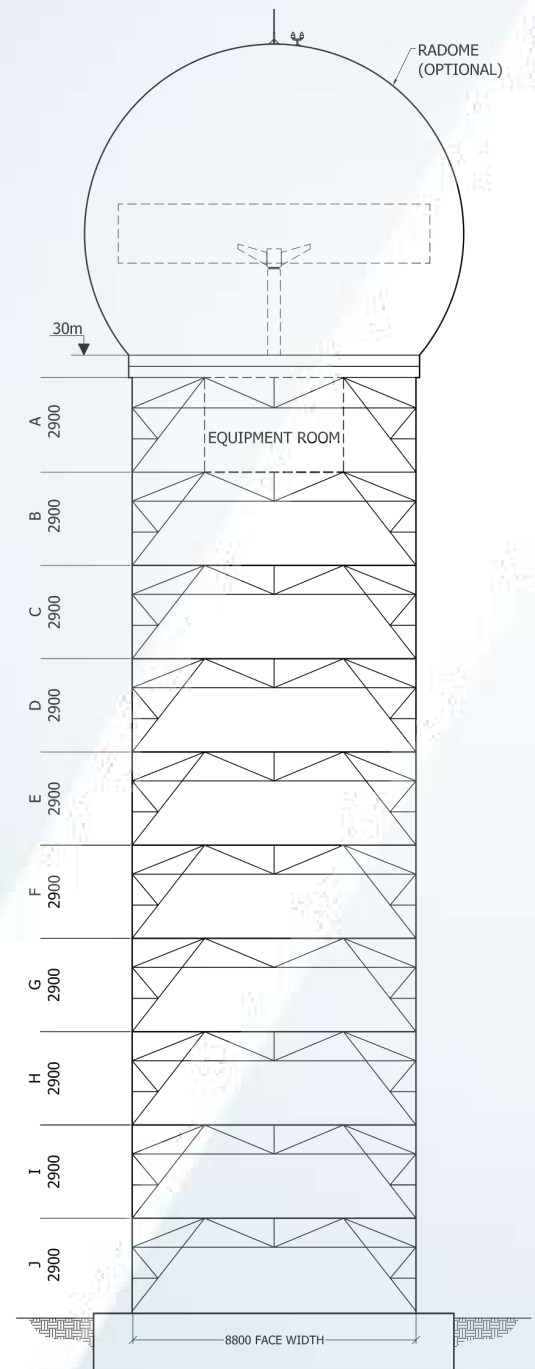
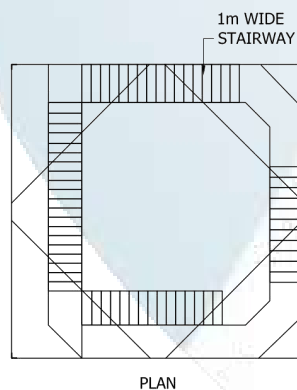
Lifting and hoisting systems

Radome

Equipment/Motor room

Alternative configurations

Structures can be modified to suit the client's particular height or application requirements.



JAGGARD

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