

**Model: CTT500-MK1; Communications Triangular Tower**

Structure type	Self-supporting triangular lattice bolted construction
Max Height	68.4m
Profile	Top 7.2m parallel sided, 500mm wide, and then tapering to 5900mm at base for 68.4m height
Members type	Circular Hollow Sections (CHS)
Finish	Hot dip galvanised with 85 microns minimum average coating
Usage	CivilTelecommunications
Antenna Loading	Up to 1.2m diameter dishes, mobile phone antennae and aerials
Climbing facility	External Leg or face mounted ladder
Feeder support facility	Waveguide plates on ladder or tower legs
Platforms	External restplatforms(optional)
Foundations	Reinforced concrete raft to suit all terrain and soil conditions

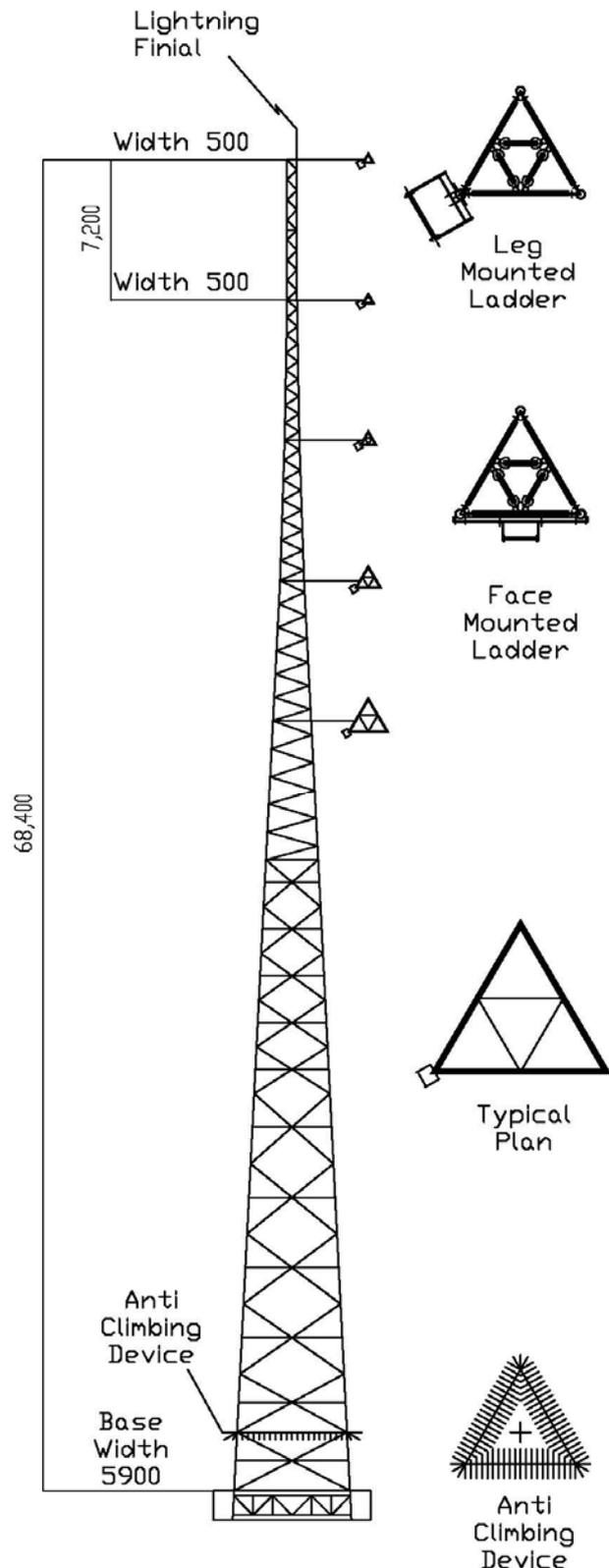


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- Tower design to the current British/Eurocode Standards for gusted wind speed of 50m/s
- All material to the current British/Eurocode Standards with yield stress of 275N/mm<sup>2</sup> for mild steel and 355N/mm<sup>2</sup> for high yield
- All bolts of grade 8.8 or equivalent supplied with one nut and one spring washer
- The tower structure and ladder will be trial assembled before galvanising to ensure perfect fit
- The tower structure could be equipped with external leg or face mounted ladder and feeder management system fixed to tower legs or the ladder
- After fabrication, marking and trial assembly all steelworks will be hot dip galvanised to current British/Eurocode Standards
- The tower is supplied with foundation grillage, including stubs and setting templates; alternatively the base module can be supplied with base plate and holding down bolts
- The tower is fitted with lightning finial rods at the top and earth lugs on the bottom leg members
- Manufacturing quality conforms to BS EN ISO 9001

## Optional Items:

- Anti climbing device (ACD) can be fitted to tower
- Feeder gantry from tower base to transmitter building
- Safety climbing device and accessories
- Ground Earth Kit
- Aircraft Warning Light System (AWLS)
- Paint material and/or shop painting



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