

Company Reg. No: 2017/230903/07

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Mast Design Audit Certificate

Mast Reference Type	T1100
Mast Description	24m Triangular Tubular Lattice Mast
Mast Type	Self-Supporting
Manufacturer / Supplier	RTS
Client	Vulatel

The tower has been audited to SANS specifications and approved for construction with respect to the following design parameters as detailed below:

Basic Fundamental Wind Speed	28m/s
3-Second Gust Wind Speed	39.2m/s
Wind Return Period	50yrs
Terrain Category	B
Site Altitude	1000m Above Mean Sea Level
Ground Datum	0m
Mast Loading	2m ² Over Top 3m of Mast
Material Grade	S355JR
Bolt Grade	Grade 8.8
Main Leg Members	101.6 OD 4.0mm Circular Hollow Section (L1) 101.6 OD 4.0mm Circular Hollow Section (L2) 76.2 OD 3.5mm Circular Hollow Section (L3) 76.2 OD 3.5mm Circular Hollow Section (L4) 60.3 OD 2.5mm Circular Hollow Section (L5) 60.3 OD 2.5mm Circular Hollow Section (L6) 38.1 OD 2.5mm Circular Hollow Section (L7) 38.1 OD 2.5mm Circular Hollow Section (L8)
Diagonal Members	38.1 OD 2.5t Circular Hollow Sections
Horizontal Members	38.1 OD 2.5t Circular Hollow Sections

This document does in no way relieve the supplier of any of their responsibilities for the structure.

Coenraad Groenewald

Pr Tech (Eng)

Reg No. 201570370