

Pole Design Audit Certificate

Pole Reference Drawing	RTS009-STRUC-102-IFA-00
Pole Description	21m Lightning Pole
Pole Type	Self-Supporting
Manufacturer / Supplier	RTS
Client	TBC

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

Pole Outline GA Drawing No.	RTS009-STRUC-102-IFA-00
Design Specification	SANS 10160-3:2019
Basic Fundamental Wind Speed	40m/s
Wind Return Period	50yrs
Terrain Category	B
Site Altitude	0m Above Mean Sea Level
Ground Datum	0m
Pole Loading	Not Applicable
Pole Deflection	2.5% of Pole Height
Material Grade	S355JR
Bolt Grade	Grade 8.8
Vertical Member 1	273mm OD 6.0t Circular Hollow Section
Vertical Member 2	219mm OD 6.0t Circular Hollow Section
Vertical Member 3	140mm OD 5.0t Circular Hollow Section
Vertical Member 4	102mm OD 5.0t Circular Hollow Section
Vertical Member 5	30mm OD Solid
Foundation Drawing No.	RTS009-STRUC-101-IFA-00

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

Mike Adair

Pr. Eng

Reg No. 20180486