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## Mast Design Audit Certificate

Mast Reference Type	450N
Mast Description	12m Triangular Tubular Lattice Mast
Manufacturer / Supplier	RTS
Client	Private – Mr. Williams

The tower has been audited to SANS 10160-3:2011 Standard as per installation timeline and approved for construction with respect to the following design parameters as detailed below:

Mast Outline GA Drawing No.	14/090/758/1/W01-Updated Bracing
Basic Fundamental Wind Speed	28m/s
3-Second Gust Wind Speed	39.2m/s
Wind Return Period	50yrs
Terrain Category	B
Site Altitude	0m Above Mean Sea Level
Ground Datum	0m
Mast Loading	0.5m <sup>2</sup>
Material Grade	S355JR
Bolt Grade	Grade 8.8
Main Leg Members	43.5 OD 2.5t Circular Hollow Section
Diagonal Members	12mm OD Circular Solid Round
Horizontal Members	12mm OD Circular Solid Round

This document does in no way relieve the supplier, fabricator and installation contractor of any of their responsibilities for the structure.

Mike Adair  
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