Standards:
Why The Anorra™ Is Safe & Reliable For Canadians

Electrical and Mechanical Standards

BORRUM™ ENERGY SOLUTIONS

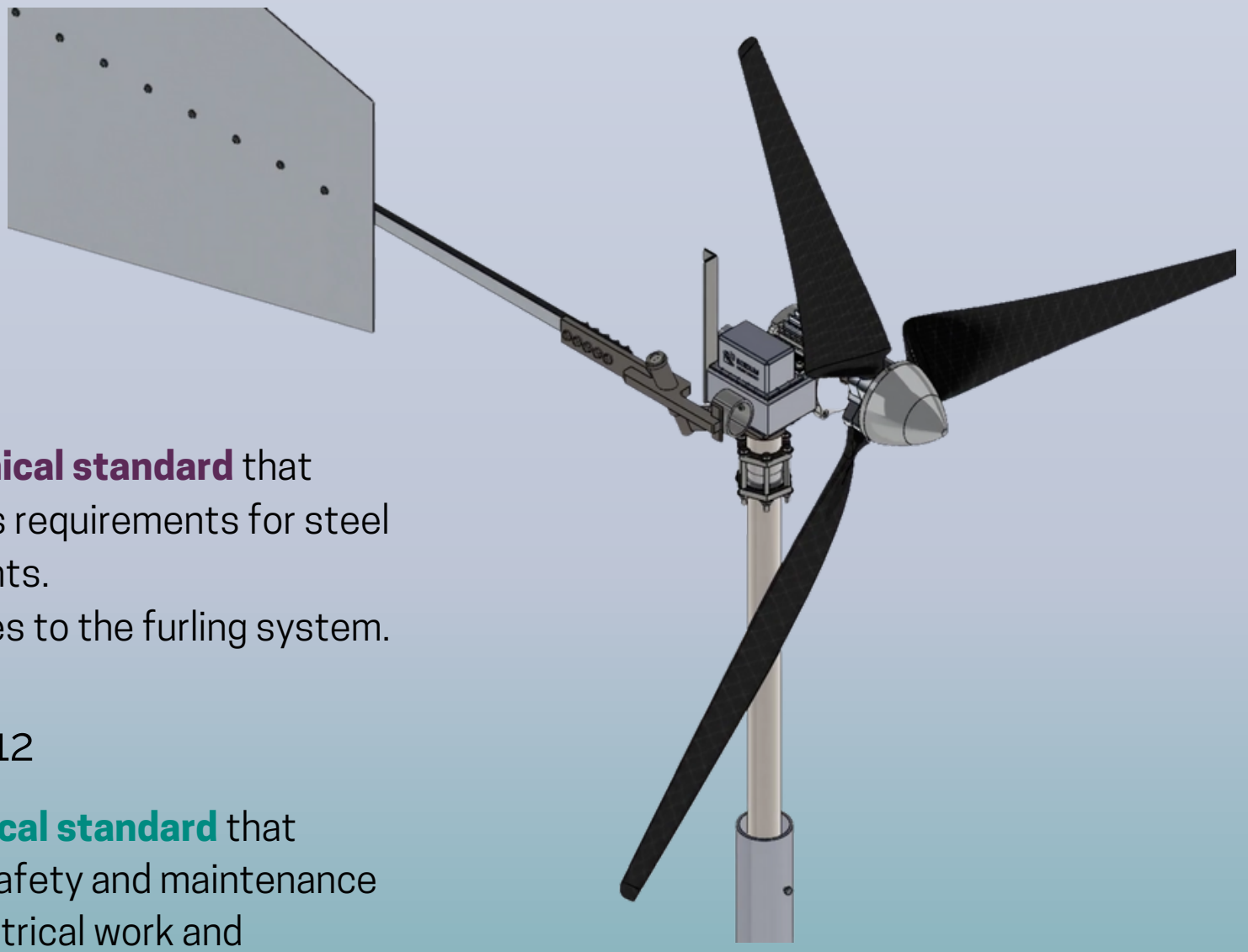
A CSA standard identifies the Canadian requirements that must be met for a product to be made available to Canadians. The following are:

CSA-C22.2 NO.100

- An **electrical standard** that ensures the turbine generator will operate reliably and safely in harsh Canadian environments and provide dependable power generation.

CSA-C61400-2:19

- A standard that identifies normal and abnormal conditions that a turbine and tower must support for reliable and safe operation.
- This applies to the generator, blades, and furling system.



CSA S16

- A **mechanical standard** that addresses requirements for steel components.
- This applies to the furling system.

CSA-C22.1-12

- An **electrical standard** that ensures safety and maintenance for all electrical work and installations.

NCMA

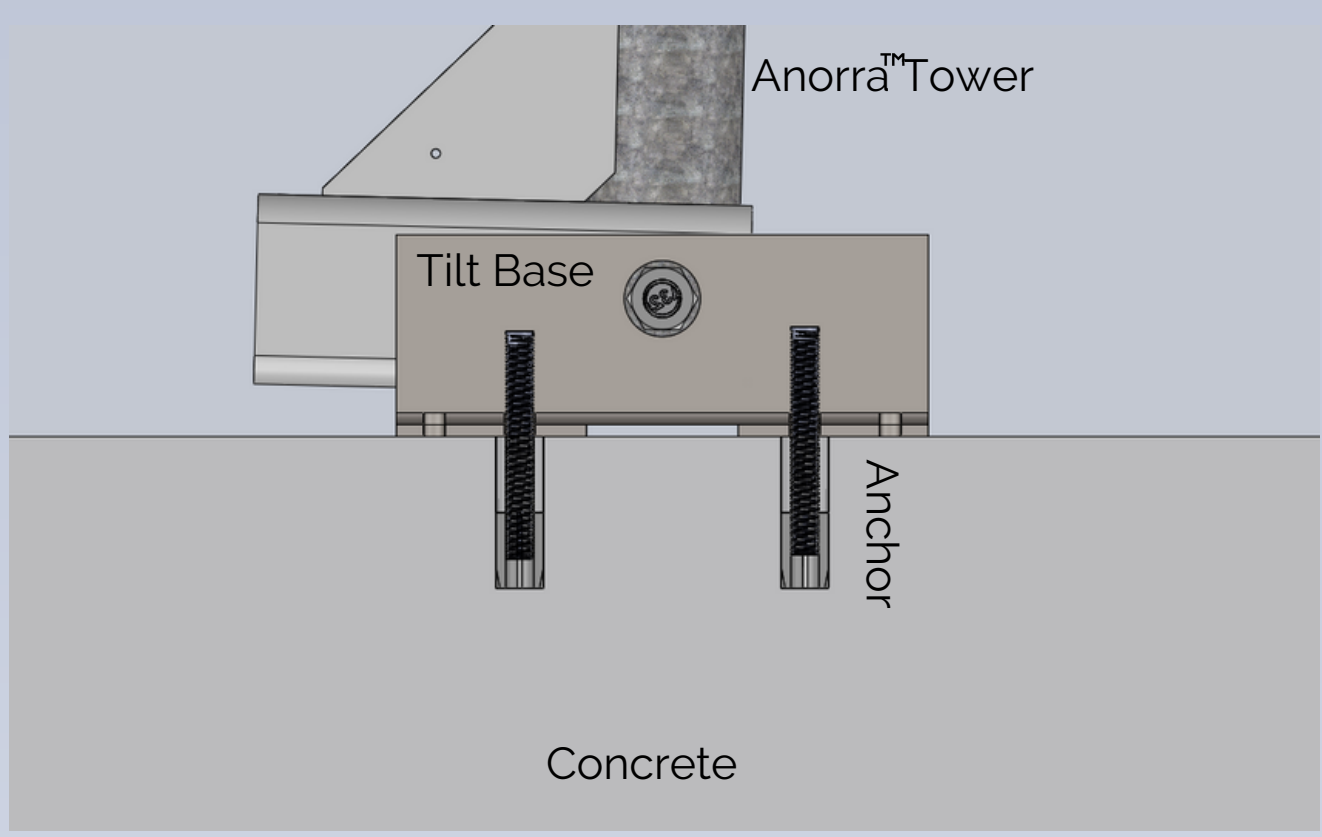
The National Concrete Masonry Association creates standards for anchors in concrete that ensure they can support the tension and loads put on them.

TEK - 12 03C

This standard can be broken up into two other standards 14-7C and 14-4B.
12-03C ensures that the strength of the configuration doesn't fail under the extreme load conditions that can be experienced in Canada.

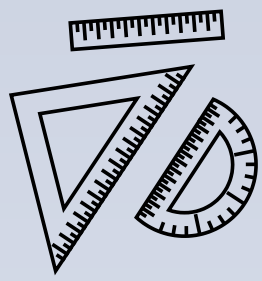
TEK - 14-7C

This standard focuses more on the allowable stress that can be put on the anchors



TEK - 14-4B

This standard focuses on the strength of the anchoring design based on its configurations and dimensions

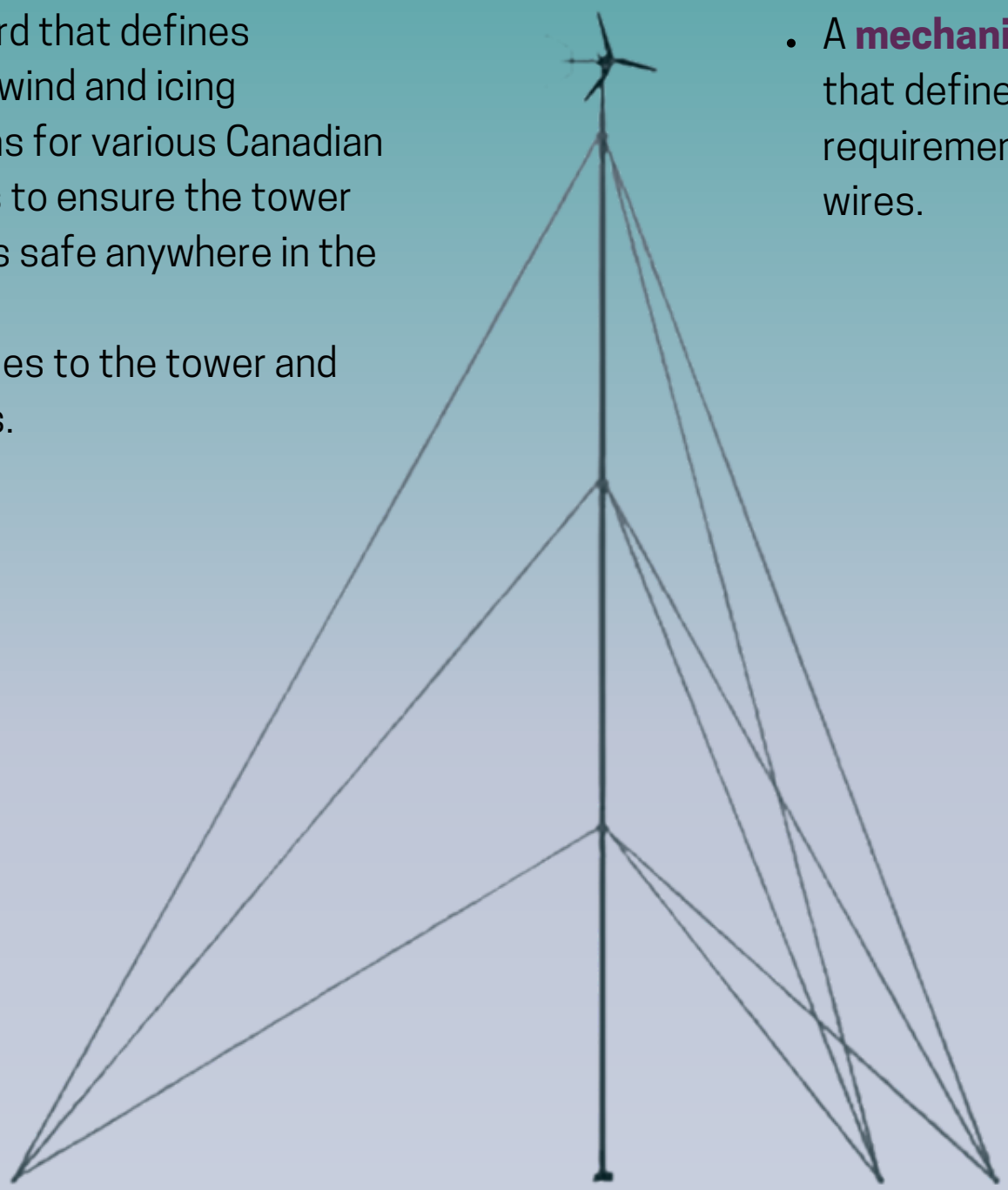


CSA S37

- A standard that defines extreme wind and icing conditions for various Canadian locations to ensure the tower system is safe anywhere in the country.
- This applies to the tower and guy wires.

CSA-G12-14

- A **mechanical standard** that defines minimum requirements for guyed wires.



NBC 2015

- A standard that adheres to the National Building Code.
- This applies to the base of the tower.

CSA W59

- A **mechanical standard** that covers welded steel components.

CSA-C22.2 NO.272-14

- An **electrical standard** that defines the requirements for wind-based electrical system design and installation.

Disclaimer: Not official descriptions, for simplified purposes.

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