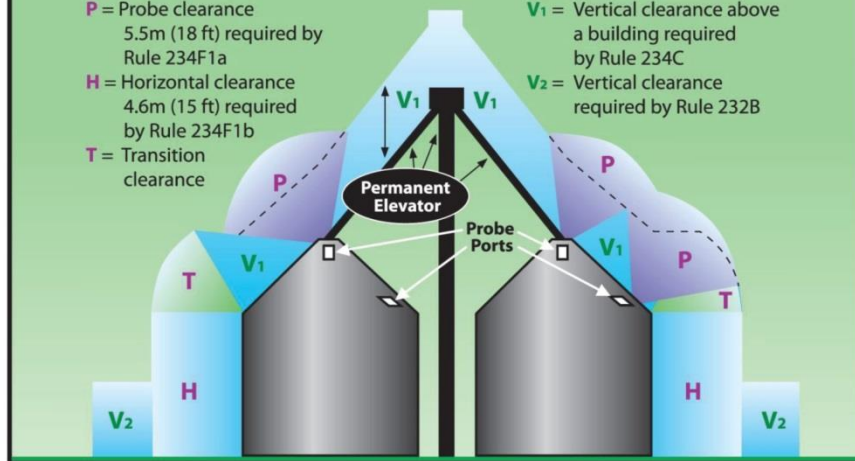


Clearance envelope for grain bins filled by permanently installed augers, conveyors or elevators

- P** = Probe clearance
5.5m (18 ft) required by Rule 234F1a
- H** = Horizontal clearance
4.6m (15 ft) required by Rule 234F1b
- T** = Transition clearance
- V₁** = Vertical clearance above a building required by Rule 234C
- V₂** = Vertical clearance required by Rule 232B



From IEEE Std. C2-2012, "National Electrical Safety Code."

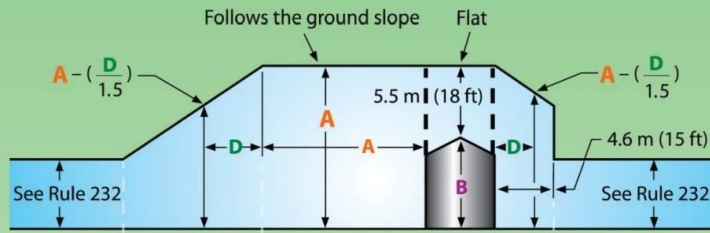
All portions of grain bins that are expected to be loaded by the use of a permanently installed auger, conveyor, or elevator system shall be considered as a building or other installation under Rule 234C for the purpose of determining appropriate clearances of wires, conductors, cables, and rigid live parts. In addition, the following clearances shall also apply without wind displacement.

A clearance of not less than 5.5m (18 ft.) in all directions above the grain bin shall be maintained from each probe port in the grain bin roof for all wires, conductors, and cables.

A horizontal clearance of not less than 4.6m (15 ft.) shall be maintained between grain bins and open supply conductors, 0 to 22 kV.

Clearance envelope for grain bins filled by portable augers, conveyors or elevators

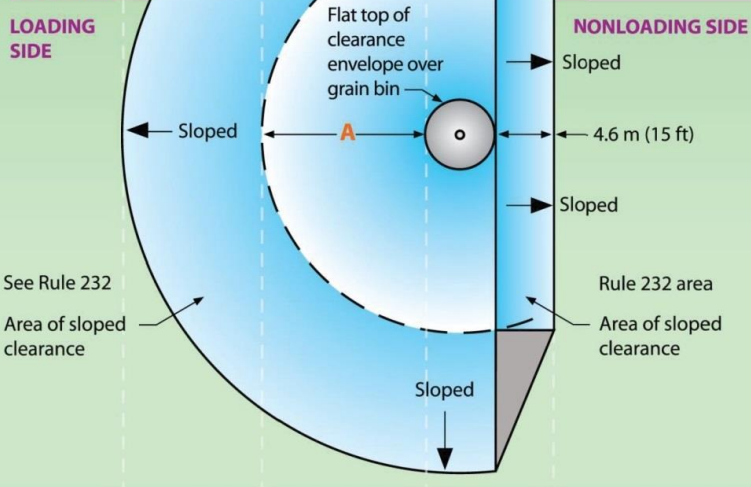
ELEVATION



B = Height of highest filling or probing port on grain bin
A = B + 5.5m (18 ft)
D = Variable horizontal dimension

In the area of sloped clearance, the vertical clearance is reduced by 300mm (1 ft) for each additional 450mm (1.5 ft) of horizontal distance from the grain bin.

PLAN VIEW



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The clearances of wires, conductors, cables, and rigid live parts from grain bins that are expected to be loaded by the use of a portable auger, conveyor, or elevator shall not be less than the values illustrated.