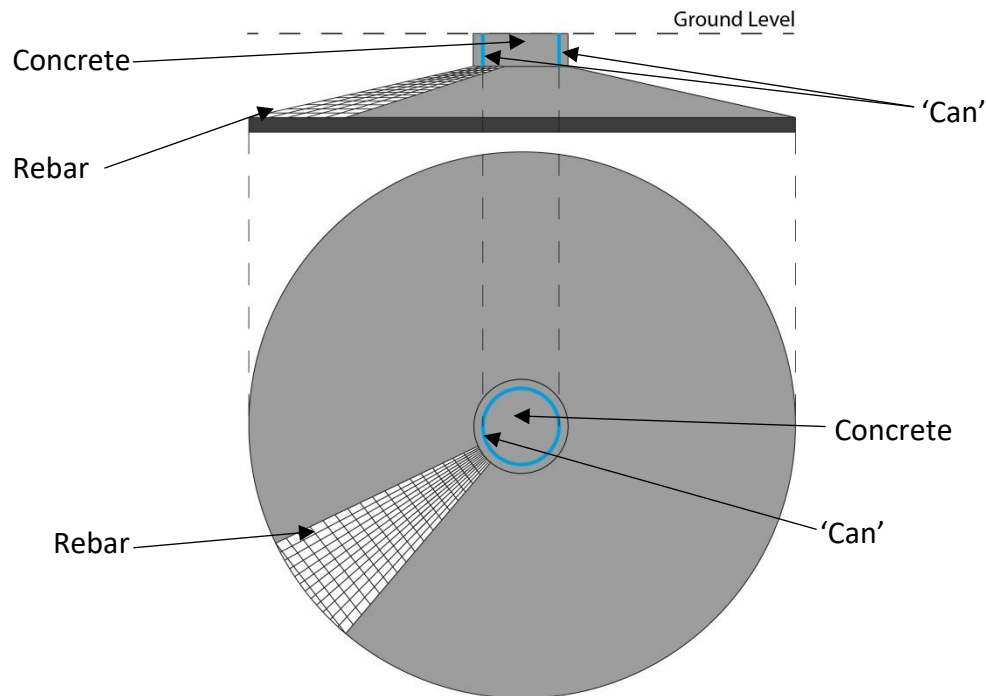
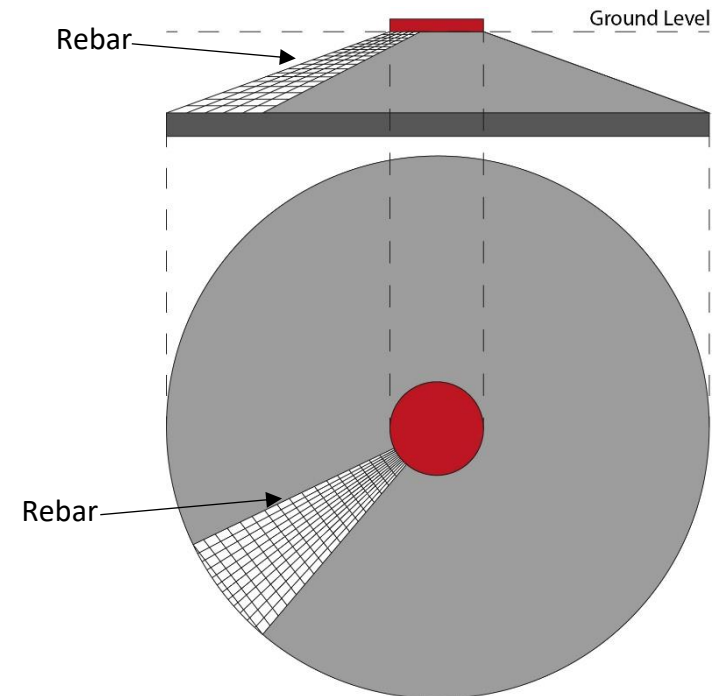


RENEWABLES INSURANCE WEEKLY MINI-SERIES EPISODE 7: COMPARISON OF CONNECTIONS BETWEEN A TOWER AND FOUNDATION OF AN ON-SHORE WIND TURBINE

CAN CONNECTION



PLINTH CONNECTION



POINTS TO CONSIDER

- This is a simplified diagram.
- In our experience 'can' foundations are being installed less often as complications are more likely to arise.
- In our experience challenges arise from water ingress between the side of the tower and the outside layer of concrete in which it is buried, often due to lack of adequate water protection.

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POINTS TO CONSIDER CONTD

- The ingress of water can cause oscillations of the tower during operation.
- Both the 'can' and plinth diagrams above are types of gravity foundations (also called spread-footing foundation).
- Rock-anchored foundations, an alternative to gravity foundations, are possible where there is stable bedrock to anchor the turbine to.