



The anchor plate must be placed in line with the centre of the turbine base plate and perpendicular to the line of the base plate hinges.

Foundation excavation

Both the base foundation and the anchor block must be excavated (as a minimum) to the size shown. It is not acceptable to shutter and backfill either foundation block. It is however, essential to shutter the top 100mm at ground level to neaten the appearance of the foundation and chamfer the top edge to prevent breakage of the corners.

Foundation preparation

The base foundation must be prepared as per BJRE drawing 25-1 Foundation layout. The anchor block foundation must have a single T bolt protruding from the surface of the concrete a minimum 80mm to allow the anchor block attachment to be bolted in place.

Concrete specifications

C35 strength concrete must be used for the base and anchor foundations.

Minimum volume for base foundation	7.29 m ³
Minimum volume for anchor block	2.60 m ³

For each foundation the concrete should be poured in a single pour. It is unacceptable for the concrete already poured to set before pouring the next batch. Due to the volumes required it is advised to use Readimix.

Concrete pouring

A vibrating concrete poker is required to remove air bubbles from the poured concrete. Care must be taken to ensure that the base plate is fully supported underneath by concrete. Do not over vibrate as this will cause the concrete to separate.

Upon completion of the pour ensure that the threads of all T bolts are clean of concrete. It is advisable to cover all threads with a suitable tape i.e Denso tape, prior to pouring the concrete. The foundation must be allowed to cure thoroughly prior to turbine construction (Typically 2 weeks in ideal conditions).

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A	For Information 23/07/07

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Project Scirocco	Drawing No 25-6
Drawing Title Foundation excavation details	