

SECURING TEMPORARY PAVILION AT WEMBLEY ARENA

Client: **Arena Structures Ltd**
Duckbill installation: **Charterbuild Ltd**

Requirements

During the redevelopment of Wembley Arena a large temporary structure was erected to house events. This temporary pavilion and its seating, supplied by Arena Structures, needed to be held securely in place to avoid accidents or wind uplift and be passed fit for public events by local authority officials.



Solution

Using a JCB with breaker attachment, Charterbuild installed 270 Duckbill mechanical ground anchors which were driven 3m into the clays and made ground. The MR2 cast iron anchors, with 3m x 15mm galvanised bars, were proof tested to 50kN before being set to a working load of 25kN.

Once installed, the Duckbill anchors were bolted to the structure to secure the pavilion firmly in place.

Duckbills have been specified by Arena Structures on many similar projects as they provide a rapid cost-effective means of securing temporary structures and can be reused if the structure is removed and later returned to the same site.

