



Prime Scaffold and
Structural Designs Limited

WIND MANAGEMENT POLICY

Document No: IA-14542-1-WMP-1 D

Scaffold contractor: Industrial Abseiling Ltd

Project Name: Portland House, Manchester

Description of Works: Scaffold Banner Frame

Designer: Jack Courtney-Morris

Date: 24-10-2025

Signature:

GENERAL

This wind management policy has been prepared in accordance with guidance given in IStructE-publication, Temporary Demountable Structures Guidance on procurement Design and Use Fourth Edition.

WIND LOADING

Site Specific wind loads in accordance with EN 1991-1-3 have been calculated for this project.

Project No.: PSD-14542

These Calculations also determine partial area loads for both roof and walls, these partial area loads are used for the purpose of structural verification. Partial area loads are a function of the peak velocity pressure (q_p). To ensure calculated design loads are not exceeded it is necessary to monitor wind speeds on site. The following control data has been established for this project:

Peak Velocity pressure, $q_p(z)$ = **0.562 kN/m²**

Equivalent wind speed, $v = \sqrt{(q_p(x)/0.613)}$ = **30.28 m/s** = **67.73 mph**

WIND MONITORING

When Anemometers shall be used. All wind speed should be measured in 'clean' air avoiding turbulence and shelter from surrounding features. Ideally this will be achieved by fixing the anemometer in the following manner.

- 1) Fixed to a mast, at least 10m high and minimum of 60m away from all large obstructions trees, etc.
- 2) Fixed to the temporary structure, mounted at a height of at least 14.0m.
- 3) Fixed at least 10m above ground and 2m above any neighbouring structure.

Wind speeds shall be monitored and recorded continuously while people are on or around the structure.

WARNINGS

A Level 1 condition shall exist when wind speeds reach = **21.20 m/s**
in conjunction with an increasing general trend of
recorded wind speeds.

A Level 2 condition shall exist when wind speeds reach = **27.25 m/s**
in conjunction with an increasing general trend of
recorded wind speeds.

An audible and /or visual alarm system will be provided to warn of Level 1 and Level 2 wind speeds.

Attainment of level 1 or level 2 requires immediate action as details below.

ACTIONS

The following actions must be undertaken immediately following a level 1 or level 2 warning .

Level 1

All staff involved with the installation/erection of the structure(s) should be put on alert that action may be required to delay the erection process until safe working conditions have returned. This process should be adopted into the overall site wind management plan.

- Make preparations for level 2 actions.

Level 2

It is recommended as safe practice for a site safety meeting to be convened to assess the overall site conditions when monitoring registers a gust wind speed in excess of 'Level 2 wind speed' in conjunction with an increasing general trend of recorded high wind speeds. (This can be varied subject to onsite risk assessment.) This should be adopted into the overall event safety plan and preparations should be made regarding show stop procedure and full or partial evacuation of the site should wind speeds increase making site conditions unsafe.

- All Sheeting must be removed
- The structure must immediately become a hard hat area for essential personnel only
- Before banner installation, there must be a structural inspection and new sign off.

Reference documents:

Guidance for the Management & Use of Stages and related temporary event structures.

IstructE Temporary demountable structures Guidance on Procurement Design and Use - Fourth Edition