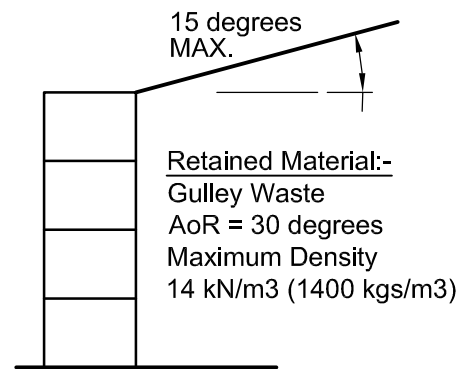
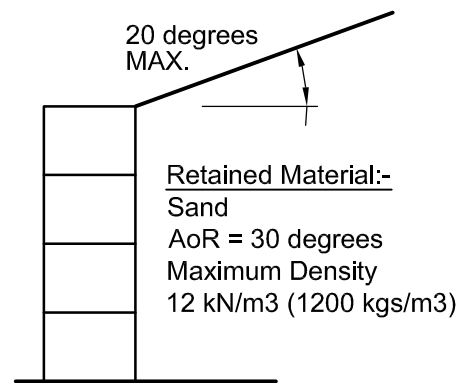


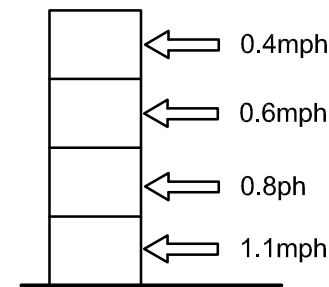
Loadcase 1.



Loadcase 2.



Loadcase 3.



Max. Permissible Impact Loads

Design Parameters (1:50)

Allowable impact load speed based on:-

Vehicle (Maximum operating weight 20t)

Total allowable deflection - 100mm.

NOTE:-
Impact loads are the expected loads imposed on the wall by loading shovels, backhoes, buckets etc. carrying out NORMAL procedures of loading and unloading bays.

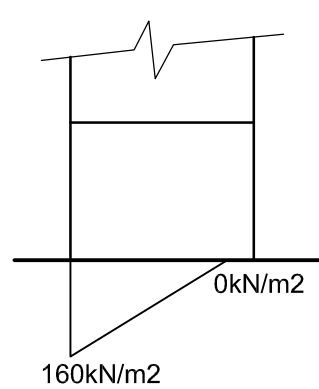
NOTE:-
Wall has not been designed for retained material to be compacted by vehicle driving over or on top of the retained material.

NOTES:-

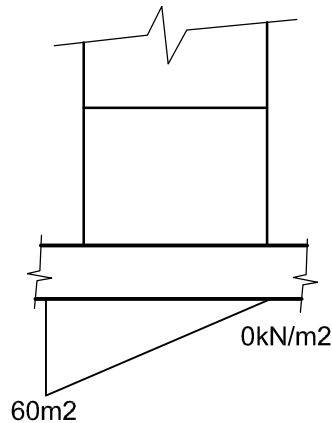
1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE

The existing slab and ground have not been investigated by CLP structures, the pressures exerted on the ground and slab are shown on this drawing, however **it is up to the client to satisfy himself that the existing ground and slab are adequate to support these loads.**



Bearing Pressure Directly Beneath Wall



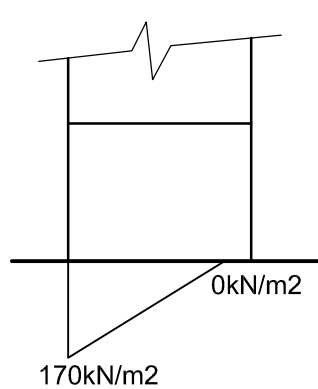
Bearing Pressure Beneath 175mm slab

NOTE:-

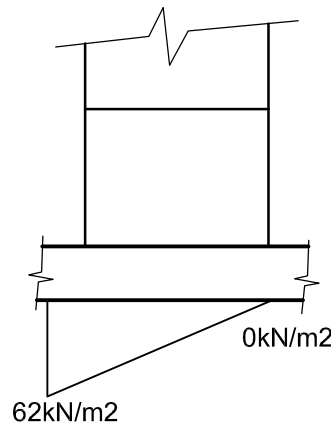
The bearing pressure beneath the wall is shown below. **It is up to the client to ensure the ground and slab is adequate**, alternatively a foundation may be designed to suit allowable ground bearing pressures if required.

Bearing Pressures Load Case 2.

(1:25)

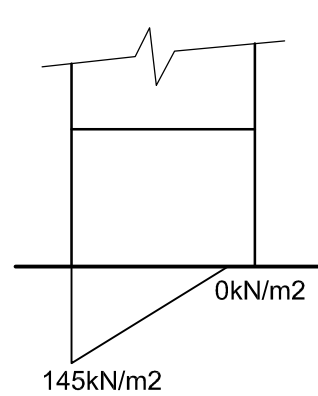


Bearing Pressure Directly Beneath Wall

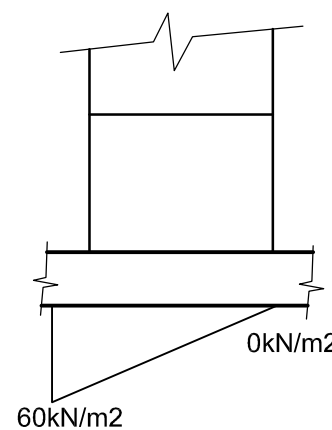


Bearing Pressure Beneath 175mm slab

Bearing Pressures Load Case 1. (1:25)



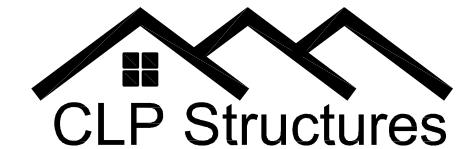
Bearing Pressure Directly Beneath Wall



Bearing Pressure Beneath 175mm slab

Bearing Pressures Load Case 3. (1:25)

Rev	Description	By	Date	Chk'd
Purpose of Issue		Rev	Date	Auth



STRUCTURAL ENGINEERING CONSULTANTS

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TEL: 0117 3706357

Client

Elite Precast Concrete Ltd.

Project

2ZLF Duoblock Walls

Title

Wall Design Parameters and Limitations

Original Scale As noted	Drawn CEL Date June 16	Rev - Checked
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Drawing Number 495-04