

**Important Note** - The retained material should be allowed to naturally fall against the wall as it is stacked. Do not allow the retained material to stand up on its own as this could lead to a catastrophic failure of the material and the wall. The wall has not been designed to withstand the impact of the retained material suddenly falling against the wall due to incorrect loading.

**Retained Material:-**

- ASR
- AoR - 25 degrees
- Maximum Density - 3.5 kN/m<sup>3</sup> (350 kgs/m<sup>3</sup>)
- Maximum height of material - 2.8m
- Maximum material slope - 25 Degrees

It is up to the client to advise if these parameters are not correct.

**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**

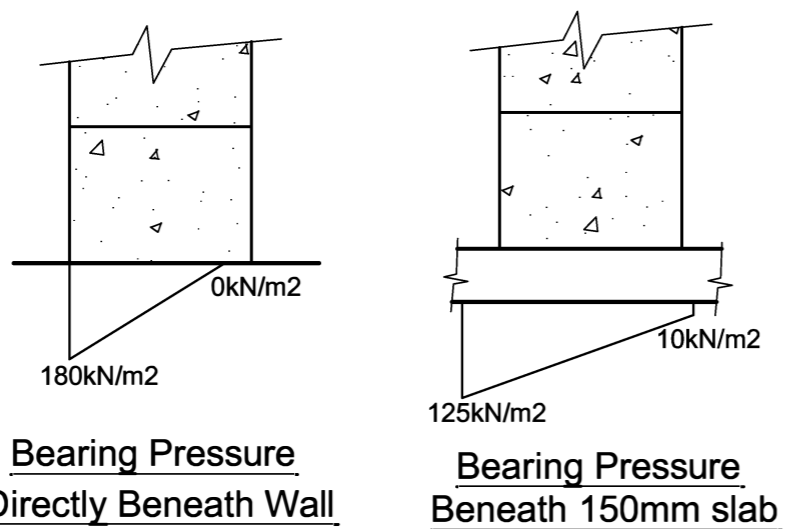
The existing slab and ground have not been investigated by CLP structures, the pressures exerted on the ground and slab are shown on this drawing, however **it is up to the client to satisfy himself that the existing ground and slab are adequate to support these loads.**

**IMPORTANT NOTE**

The wall has been designed to retain a specific material with a specific density and angle of repose. It is up to the client to ensure that the material retained on site does not exceed these designed parameters, failure to do so may result in the collapse of the wall.

**Allowable Loads - Bay 1 (Height increased by one block)**

(1:25)



**Bearing Pressure**  
**Directly Beneath Wall**

**Bearing Pressure**  
**Beneath 150mm slab**

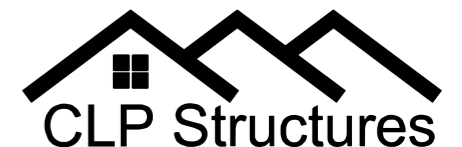
**NOTE:-**

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**

(1:25)

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



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Client  
Elite Precast Concrete Ltd.

Project  
Elite Legato Block Retaining Wall  
- 3.2m High

Title  
Wall Design  
Loading Guidelines

Original Scale As noted	Drawn CEL Date Nov 18	Rev - Checked
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Drawing Number 704-01-003