

Retained Material:-  
 Earth  
 AoR = 35 degrees  
 Maximum Density  
 18 kN/m3 (1800 kgs/m3)  
 Surcharge - 10kN/m2

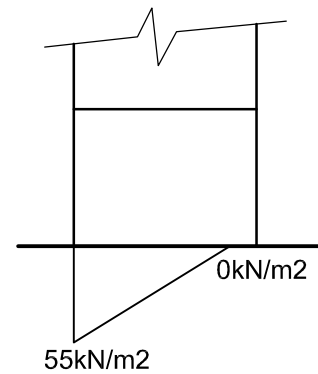
**It is up to the client to advise if these parameters are not correct.**

**Important Note** - The backfill should be granular and free-draining with no hydrostatic pressure build-up allowed. The top block should be protected against vehicular impact. Backfill should be compacted in maximum 300mm thick layers - compacting machinery should not come into contact with wall.

## Design Parameters

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 Pressure Directly Beneath Wall

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.

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



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Client  
 Elite Precast Concrete Ltd.

Project  
 Elite Duoblock Wall  
 0.95m Retaining

Title  
 Wall Design Parameters  
 and Limitations

Original Scale As noted	Drawn CEL Date Sept 16	Rev - Checked
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Drawing Number 555-03