

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. Do not backfill with 'as-dug' clay material.

Retained Material:-
 Earth
 AoR = 30 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.

RC35 concrete foundation with two layers of A393 mesh 40mm cover.

Design Parameters (1:50)

NOTE:-
 The bearing pressure beneath the wall is shown below. An indicative foundation is shown.
The foundation is a Contractor Designed Element. It is up to the client to ensure the ground and foundation is adequate.



Bearing Pressures (1:25)


IMPORTANT NOTE:-
 Overall wall and foundation will need to utilise passive resistance to sliding. It is assumed that the material in front and above the foundation toe is suitable to be utilised in this manner.

- 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 Legoblock Wall	
Title	
Retaining Wall Wall Design Parameters and Limitations	
Original Scale As noted	Drawn CEL Date March 17
Rev - Checked	
Drawing Number	572-07