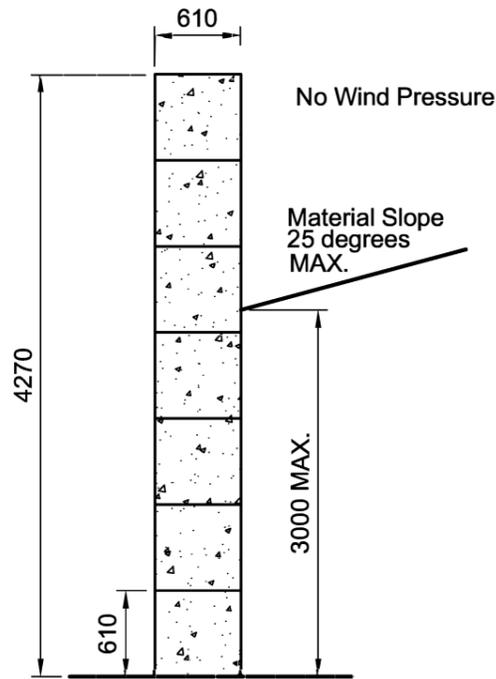
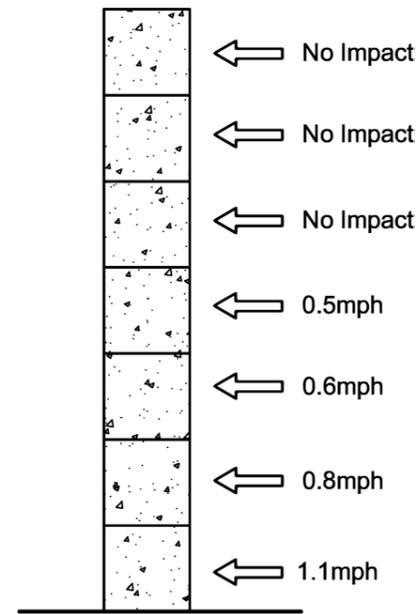


Important Note - The retained material should be allowed to naturally fall against the wall as it is stacked. Do not allow the retained material to stand up on its own as this could lead to a catastrophic failure of the material and the wall. The wall has not been designed to withstand the impact of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



Retained Material:-
Mixed Dry Recyclate
AoR = 35 degrees
Maximum Density
2.5 kN/m³ (250 kgs/m³)

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



Allowable impact load speed based on:-

Vehicle (Maximum operating weight 15t)

Total allowable deflection - 50mm.

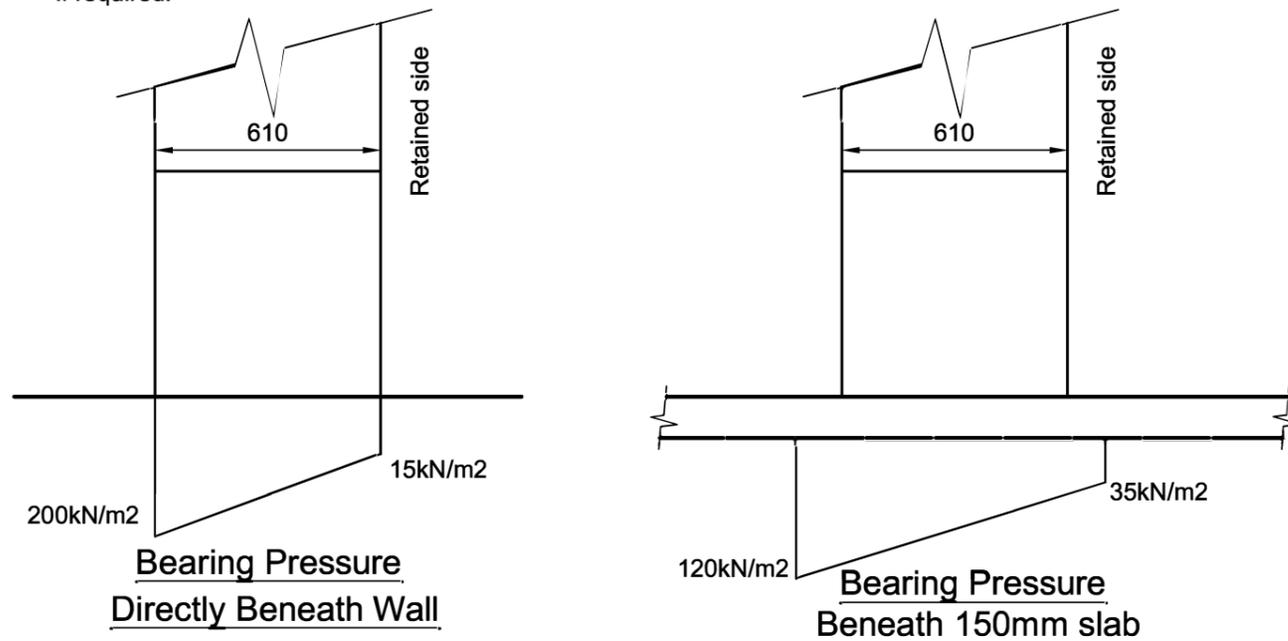
NOTE:-
Impact loads are the expected loads imposed on the wall by loading shovels, backhoes, buckets etc. carrying out NORMAL procedures of loading and unloading bays.

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

Design Parameters

(1:50)

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

(1:25)

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 are shown on this drawing, however **it is up to the client to satisfy himself that the existing ground is adequate to support these loads.**

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



CLP Structures

STRUCTURAL ENGINEERING CONSULTANTS

EMAIL: mail@CLP-Structures.co.uk

TEL: 0117 3706357

Client

Elite Precast Concrete Ltd.

Project

Mixed Dry Recyclate

Title

Vee Block Wall

Design Review

Original Scale
As noted

Drawn
CEL
Date July 2018

Rev - Checked

Drawing Number

685-01

A