



Black Bag Waste:-
 Maximum slope = 25 degrees
 AoR = 30 degrees
 Maximum Density = 3.5 kN/m³ (350 kgs/m³)

**Light Waste including:-
 Loose Scrap Metal, Compost & Loose wood:-**
 Maximum slope = 25 degrees
 AoR = 30 degrees
 Maximum Density = 6 kN/m³ (600 kgs/m³)

Glass:-
 Max. slope = 20 degrees
 AoR = 30 degrees
 Maximum Density = 10 kN/m³ (1000 kgs/m³)

Sand:-
 Max. slope = 15 degrees
 AoR = 30 degrees
 Maximum Density = 15 kN/m³ (1500 kgs/m³)

Aggregates:-
 Max. slope = 15 degrees
 AoR = 30 degrees
 Maximum Density = 18 kN/m³ (1800 kgs/m³)

IMPORTANT NOTES

1. These loading figures are for guidance only – if in doubt consult a structural engineer.
2. The retained material should be allowed to naturally fall against the wall as it is stacked.
3. These loading tables relate to specific materials with a typical density and angle of repose, stacked to specific heights and slopes.
4. The client should ensure that the walls are built on a suitable base.
5. The density and angle of repose of each material shown are typical values only.

Note:-
 Please open the
 Stability and Loadings
 Calculation Directory to
 see specific design
 examples.

Design Parameters - 4.8m High Legato

(1:25)

Note:-
 Additional retaining capacity can be achieved by
 adding additional 1600mm wide blocks at the base.

- 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.

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
 4.8m High No Spreader

Title
 Wall Design Parameters
 and Limitations

Original Scale As noted	Drawn CEL Date Nov 16	Rev – Checked
Drawing Number		540-08-005