

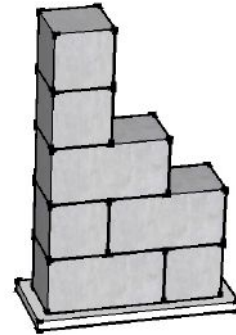
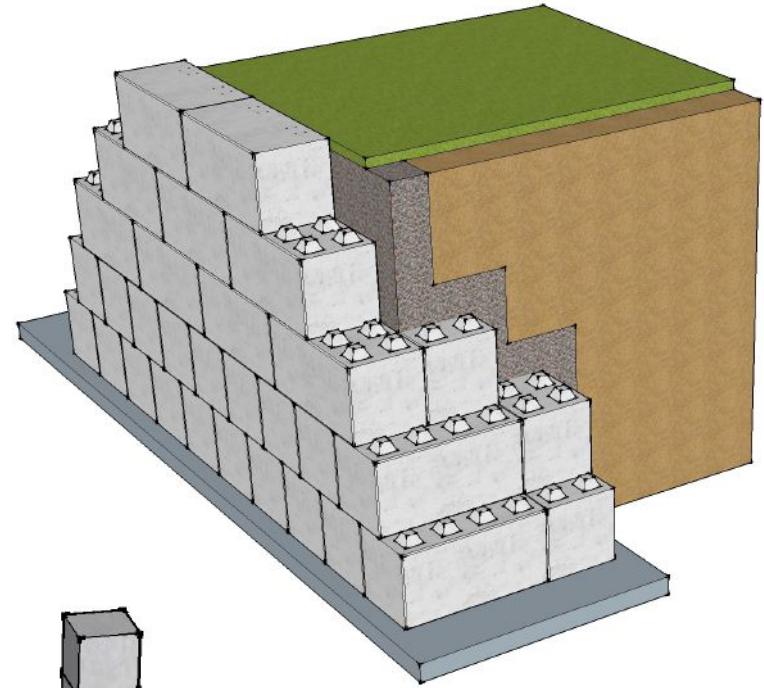
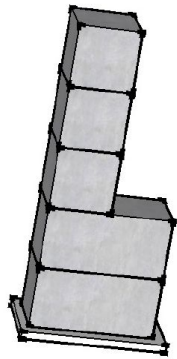
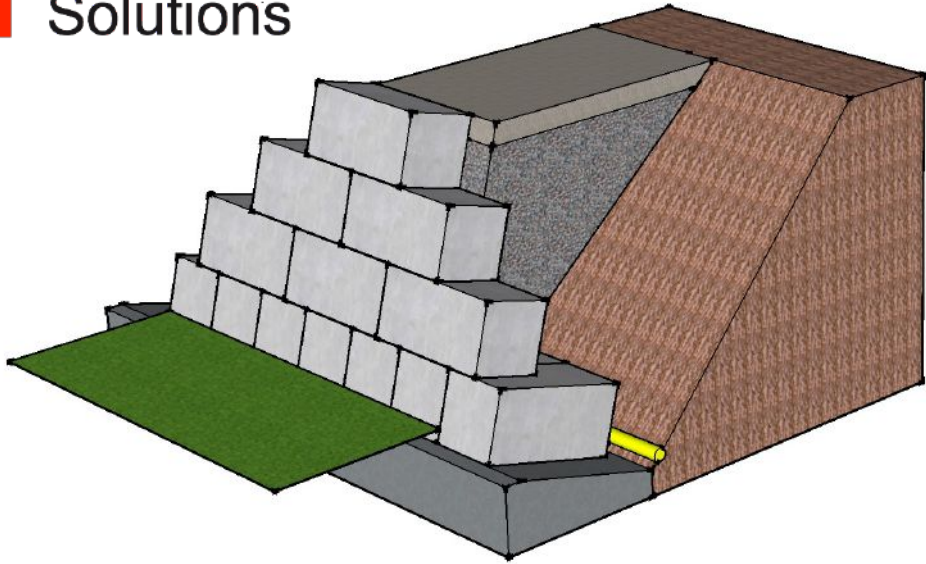
Inclined concrete block retaining wall

Everything you need to know about a L shaped retaining wall in 2.5 minutes

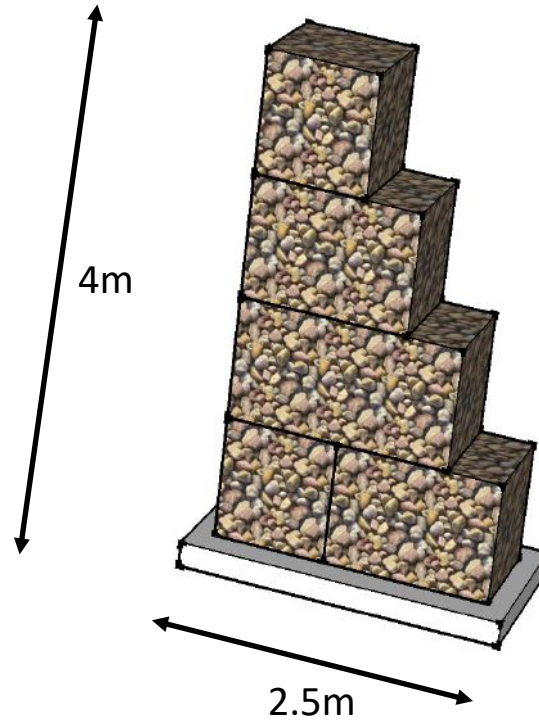
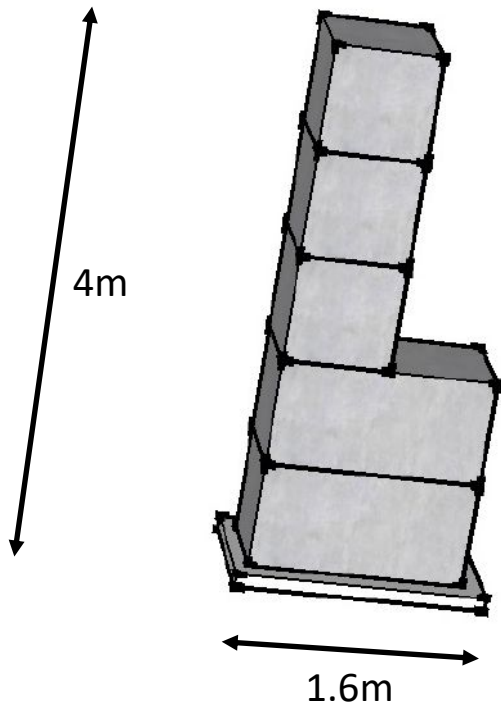


Bob Evans

Retaining Wall Solutions

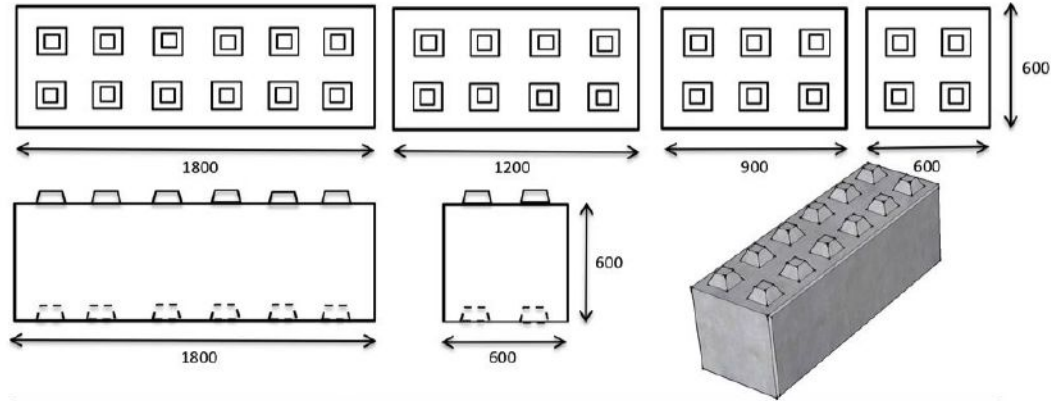


Inclined wall uses less blocks than a gravity wall

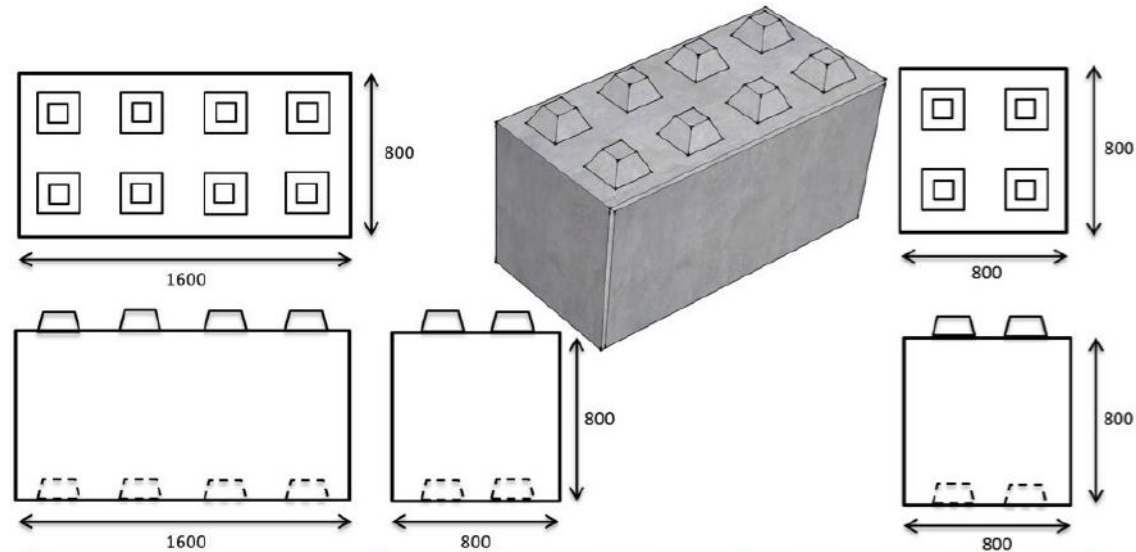


Concrete blocks use less volume due to mass

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Block Type	L x W x H (mm)	Weight (Approx kg)
RWS - 18.6.6	1800 x 600 x 600	1450
RWS - 15.6.6	1500 x 600 x 600	1250
RWS - 12.6.6	1200 x 600 x 600	950
RWS - 9.6.6	900 x 600 x 600	750
RWS - 6.6.6	600 x 600 x 600	500



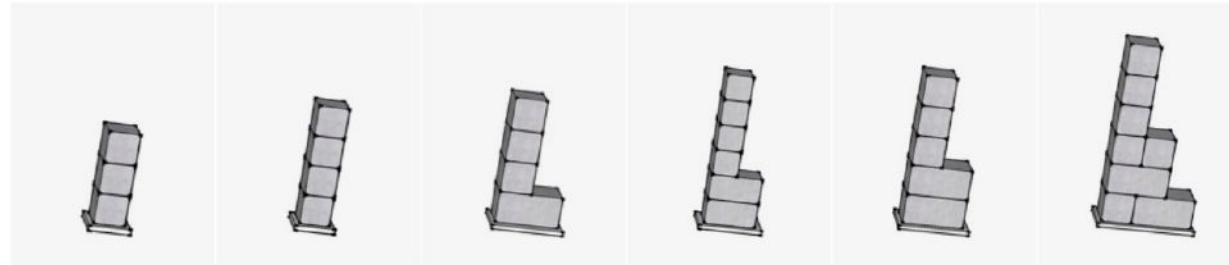
Block Type	L x W x H (mm)	Weight (Approx kg)
RWS - 16.8.8	1600 x 800 x 800	2250
RWS - 8.8.8	800 x 800 x 800	1125

Interlocking block sizes



Inclined concrete block design guide

Height (m)	1.8	2.4	3.2	3.6	4.0	4.8
Block size (mm)	600	600	800	600	800	800
Base width (mm)	1000	1000	2000	1800	2000	2800
Base depth (mm)	100-275	100-275	100-350	100-400	100-450	100-600
Base rebar	A393	A393	A393	A393	A393	A393
Wall incline	10°	10°	10°	10°	10°	10°
Surcharge	5kn/m ²	5kn/m ²	5kn/m ²	5kn/m ²	5kn/m ²	5kn/m ²
Factor of safety	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5	M=1.5



Indicative designs based upon a base material with allowable bearing pressure of >200kPa.

Retained material is assumed to be well graded, granular backfill with the back of wall drainage or weep holes to relieve hydrostatic pressure.

Design table to give you some examples for various wall heights

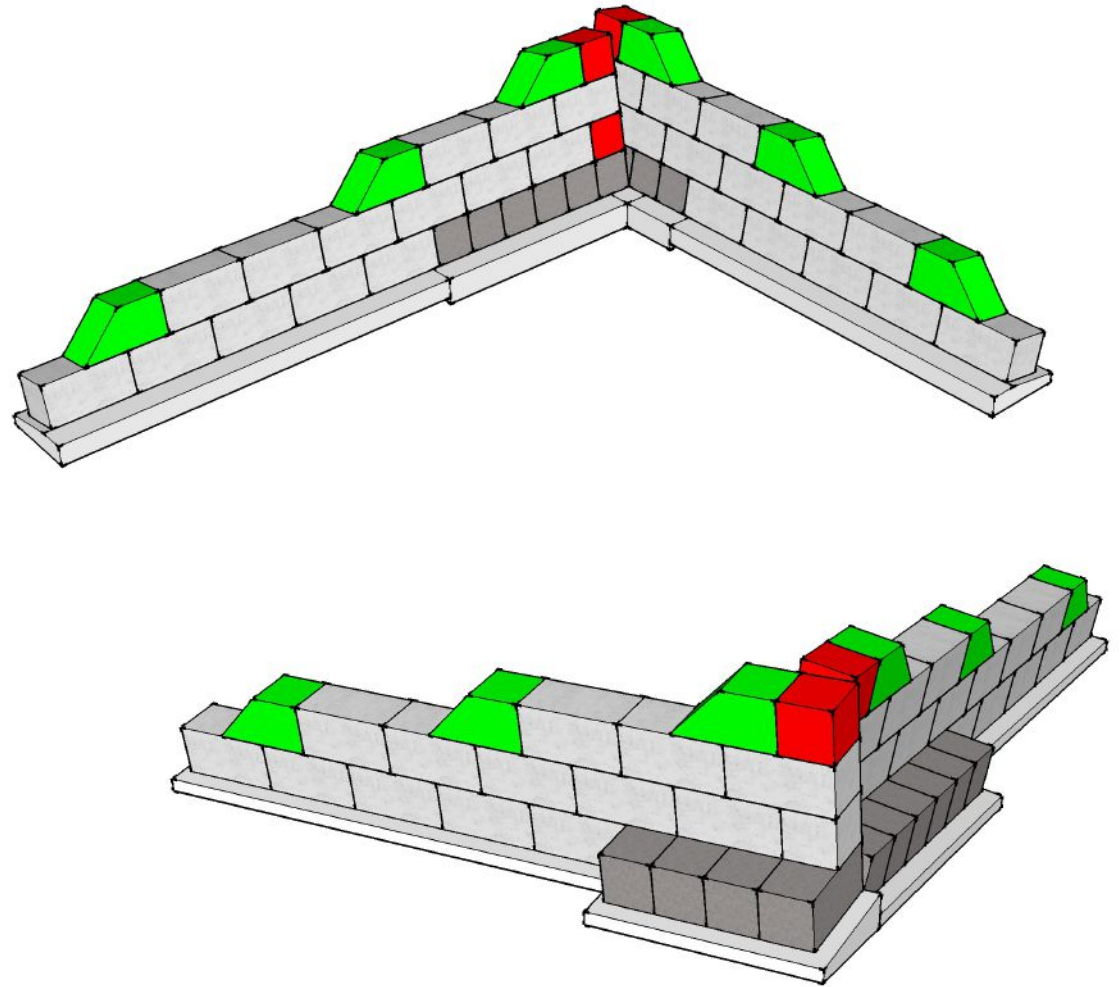
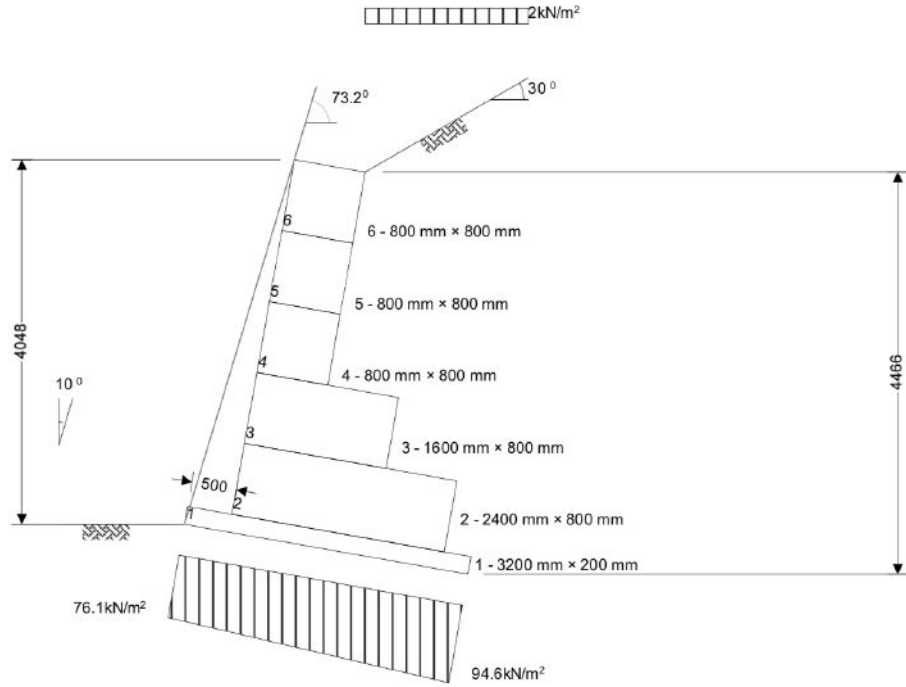
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Case study – Project in cumbria for a new hotel

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GRAVITY RETAINING WALL ANALYSIS AND DESIGN



Case study – Project in Cumbria for a new hotel



Retaining wall design and price guide

Which retaining wall type is the most economical to build? **Download the design guide** to learn more about each retaining wall type and get a price comparison.

Design price guide

Ask a question

How much do they cost?

Our simple 3 steps Design process

1 Step 1 - Decide on the type of retaining wall

One of the hardest things to do is to select the right retaining wall type.

Each retaining wall type has pros and cons.

Our support can help you select the right one for your requirements and budget.

2 Step 2 - Design the retaining wall

Our structural engineer is a specialist retaining wall expert. We can turn around retaining wall designs in a matter of days.

You will receive a full retaining wall report, a complete set of calculations, and a sketch showing you the design, including the material specifications.

You will also be protected by our professional indemnity insurance allowing you to sleep at night.

3 Step 3 - Use our supply chain to get the best build price

We have a comprehensive supply chain for the supply only or supply and installation of your retaining wall once it has been designed.

We can prepare material schedules and bills of quantities to give you a budget to work from.

You can save time and money trying to find suitable suppliers and contractors using our service.

Inclined concrete block retaining wall



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The Next Step

- Tell us about your project.
- Complete the form.
- We are here to support you.