



Preview	Block Name	Count
	104B	4
	104HB	1
	104M	98
	150B	40
	150M	29
	71B	10
	71HT	1
	71M	38
	71T	58
	HGC	2
	MC	7

**GENERAL NOTES**

- This drawing is not to be scaled, figured dimensions only to be used. Any discrepancy to be reported to Marshalls Civils & Drainage
- All dimensions are shown in millimetres
- All levels are shown in metres
- For installation details refer to the Redi-Rock Specification and Installation Manual
- Vertical joint gaps may be acceptable up to 12mm and may be adjusted to suit closing dimensions. It is recommended that the length of the wall is checked at regular intervals to assess accumulative tolerances
- Domes and blocks may require trimming to maintain alignment at external corners

**LIFTING**  
 ALL lifting operations should comply with the Lifting Operations and Lifting Regulations 1998, and the Provision and Use of Work Equipment Regulations 1998. The client/contractor will assume ALL responsibility for site lifting operations involving Marshalls Civils & Drainage products, including safe use and return of any lifting equipment supplied by Marshalls Civils & Drainage. Where available, the use of manufacturer installed lifting facilities is recommended.

Unit weights provided on Redi-Rock standard drawings RR/000000/23 to RR/000000/28.

**ASSUMED SOIL PROPERTIES**

- Bearing Strata: Undisturbed Native Ground
  - y= Min. 18kN/m<sup>2</sup>
  - Φ= Min. 30°
  - ABP= Min. 100 kN/m<sup>2</sup>
- Backfill: Well Compacted Class 6N
  - y= Max. 20kN/m<sup>2</sup>
  - Φ= Min. 38°
- Granular Foundation: Well Compacted Type 1
  - y= Max. 21kN/m<sup>2</sup>
  - Φ= Min. 39°

Natural ground to be battered back to a safe angle, as specified by the temporary works designer.

Well compacted class 6N backfill to provided a minimum angle of internal friction of 38°. Minimum angle of backfill material to allow an active wedge of Φ=38° to be 45+Φ/2, measured from the horizontal. This angle should be decreased where necessary to meet the safe angle of repose as specified by the temporary works designer.

**ASSUMED IMPOSED LOADING**

A maximum surcharge of 2.5 kN/m<sup>2</sup> has been considered behind the wall.

**GROUND PROFILE BEHIND WALL**

A maximum angle of 30° has been considered behind the wall.

*The information presented was prepared by Marshalls for estimating and conceptual design purposes only. Marshalls assumes no responsibility for the use of this drawing for actual construction. Designs for Redi-Rock walls must be carried out by a suitability qualified engineer using the actual site conditions.*

*Marshalls does not assume any responsibility whatsoever regarding structural stability of any particular block or particular wall system. The role of Designer must be fulfilled by others.*

B	Corner details amended	HT	MD	12.09.23
A	Wall height and length amended to suit updated gradient	HT	MD	21.08.23
Rev.	Revision Note	By	CHK	Date

THIS DRAWING IS ISSUED SUBJECT TO THE CONDITIONS THAT IT IS NOT COPIED EITHER IN WHOLE OR IN PART OR DISCLOSED TO THIRD PARTIES UNLESS FROM WRITTEN AUTHORIZATION IS GIVEN BY MARSHALLS CIVILS & DRAINAGE.  
 PREVIOUS VERSIONS OF THIS DRAWING SHOULD BE STAMPED SUPERSEDED OR DESTROYED  
 DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK

**Marshalls**  
 Civils & Drainage  
 Heath Mill Road  
 Wombourne  
 WVS BAP  
 01902 356220  
 Redi-Rock@Marshalls.co.uk

Client	Countryside Properties		
Job Title	Bradford, Blue Hills Farm		
Drawing Title	Marshalls Proposed Layout Redi-Rock Retaining Wall		
Status	Conceptual		
Drawn	KC	Checked	HT
Scale	1:50@A1		Date
Date			19.04.23
Dwg No.	5856952 Layout -1		Rev.
			B