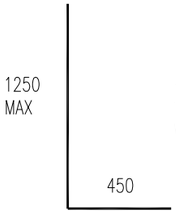
NOTES FOR DURISOL RETAINING WALL:

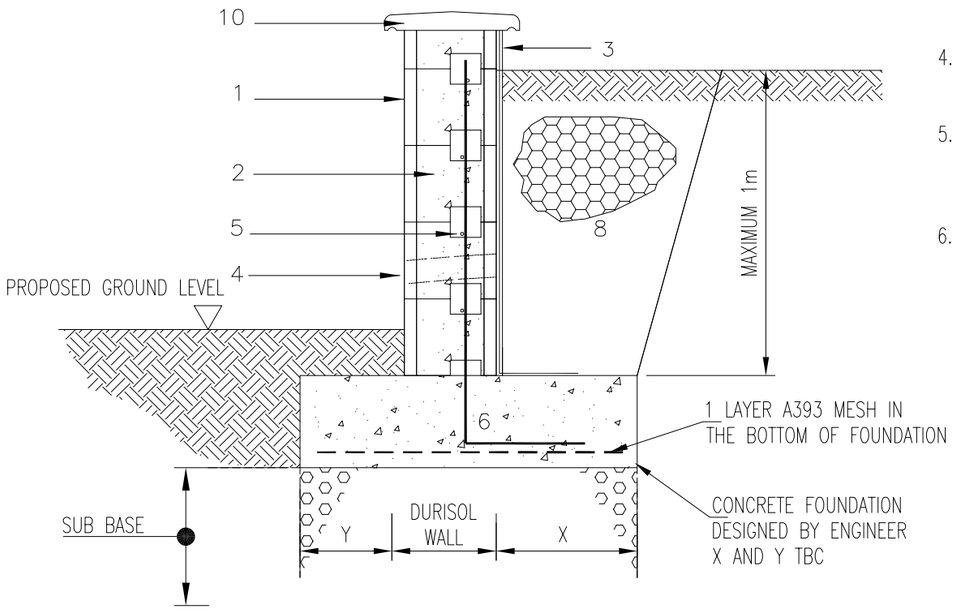
1. THE SPECIFICATION IS BASED ON A DESIGN SURCHARGE OF 10KN/M^2. DESIGNED TO BS EN 1992-1-1.
2. RC35 CONCRETE FILLED DURISOL BLOCK WALL. 10mm AGGREGATE TO BE USED IN CONCRETE MIX.
3. 1200 GAUGE DPM GLUED TO THE BACK OF RETAINING WALL UNDER VISQUEEN UDG PROTECTION BOARD OR SIMILAR APPROVED.
4. 50mm DIA CIRCULAR WEEPHOLES AT 2 BLOCK CENTRES WITH A 25mm FALL TO THE FRONT. WEEPHOLES THROUGH WOODCRETE EDGE OF BLOCKS.
5. LACER REINFORCEMENT TO BE @250mm VERTICAL CENTRES (1 PER BLOCK). MINIMUM LAP TO REINFORCING BARS TO BE 40 X THE BAR DIAMETER. WHERE SMALLER DIAMETER ADOPT 40x SMALLER DIA BAR.
6. STARTER BARS TO MATCH REINFORCEMENT AT 250mm CENTRES MIN 40mm COVER TO WOODCRETE FACE:



NOTE : BARS MUST BE SET OUT TO TEMPLATE TO ENSURE THEY LAP WITH WALL REINFORCEMENT.

7. SELECTED GRANULAR BACKFILLING. MIN ANGLE OF REPOSE 30 DEGREES.
8. BLINDING CONCRETE IS TO BE PROVIDED IF REQUIRED BY SITE CONDITIONS, IN ORDER TO ENSURE THAT STEEL IS KEPT CLEAN AND ADEQUATELY SUPPORTED.
9. SUITABLE CAPPING STONE TO ARCHITECTS DETAILS. CONSULT ENGINEER IF FENCE / BALUSTRADE IS REQUIRED TO TOP OF RETAINING WALL.MAX UPSTAND HEIGHT 250mm
10. WE RECOMMEND THAT ALL RETAINING WALLS ARE INDIVIDUALLY SPECIFIED AND CHECKED BY A SUITABLY QUALIFIED ENGINEER.

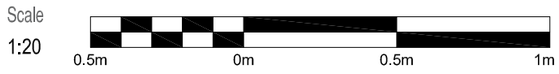
NOTE:
HEIGHT OF WATER BEHIND WALL = 0mm
PRESUMED BEARING CAPACITY IS 100kN/m2 DESIGN TBC

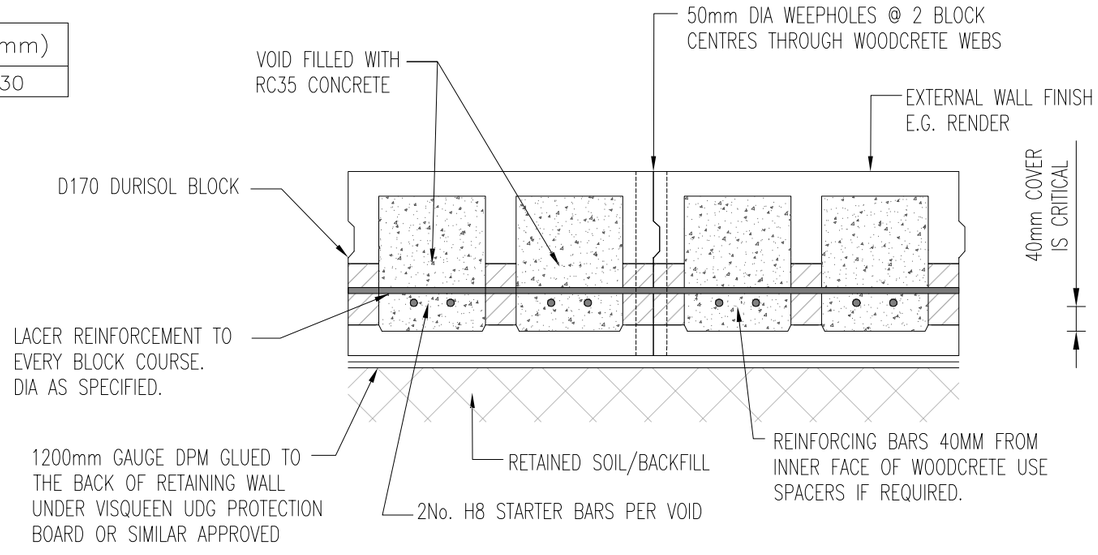


WALL	'L' STARTER BARS	LACERS	Y (mm)	X (mm)
D170 (NO INSULATION)	H8 (2 PER CORE)	H8 (1 PER COURSE)	150	630

TYPICAL 1m HIGH REINFORCED DURISOL RETAINING WALL (NOMINAL SURCHARGE 10.0kN/m²)

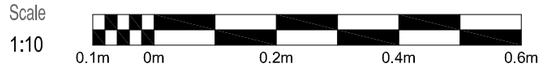
SCALE 1:20





PLAN VIEW – REBAR PLACEMENT IN DURISOL WALL

SCALE 1:10



Durisol UK

Issue	Notes	Drawn	Approved	Date
A	FIRST ISSUE CONSTRUCTION DETAILS	HM	AK	12.05.2020

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Project: DURISOL RETAINING WALLS

Drawing Title: 1m RETAINING WALL EXAMPLE
TYPICAL DETAILS D170 BLOCKS

Client: DURISOL

Project No.	Drawing No.	Issue
CO20/067/03	300 - 1	A

CONSTRUCTION

Original Sheet Size: A3