

NOTES FOR DURISOL RETAINING WALL:

1. THE MAXIMUM HEIGHT TABLE IS BASED ON A DESIGN SURCHARGE OF 10kN/m^2 . DESIGNED TO BS EN 1992-1-1. ADDITIONAL MOMENT SHEAR AND DEFLECTION CHECKS ARE REQUIRED TO BE UNDERTAKEN BY ENGINEER USING DURISOL DESIGN INFORMATION TABLES. TYPICALLY CANTILEVER RETAINING WALLS ARE LIMITED BY THE SLENDERNESS LIMITS SPECIFIED IN EN1997-1:2004.
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. IF REQUIRED: 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 CENTRES AND DIAMETER MIN 40mm COVER TO WOODCRETE FACE. WITH SUFFICIENT LENGTH TO ENSURE SUITABLE LAP WITH MAIN BARS IN BACK FACE OF RETAINING WALL.

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. IF REQUIRED: PERFORATED LAND DRAIN 100mm DIA WITH 20mm SINGLE SIZE AGGREGATE BACKFILLING, LAID WITH A MIN 1:80 FALL TO SUITABLE OUTFALL VIA A CATCHPIT.
10. SUITABLE CAPPING STONE TO ARCHITECTS DETAILS. CONSULT ENGINEER IF FENCE / BALUSTRADE IS REQUIRED TO TOP OF RETAINING WALL. MAX UPSTAND HEIGHT 250mm.

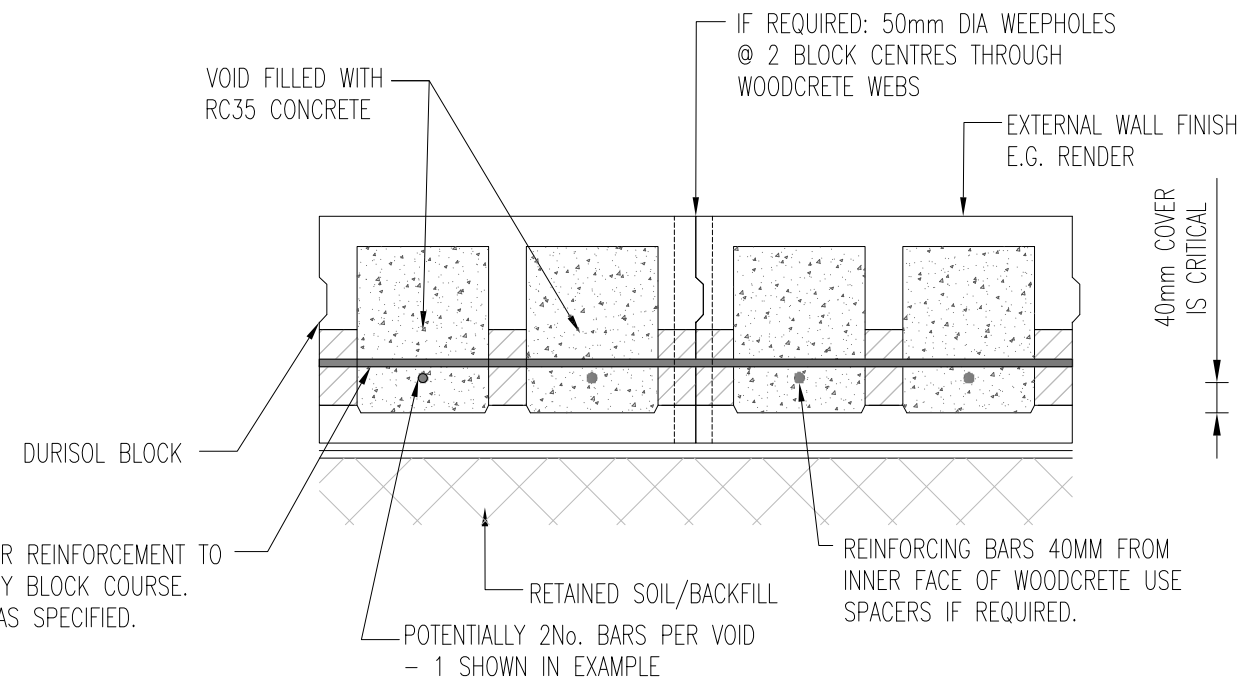
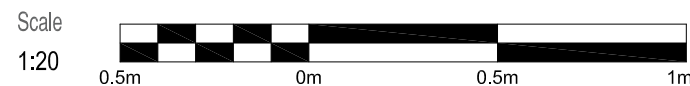
NOTE:

1 PER BLOCK IS EQUIVALENT TO BARS @250mm C/C
 2 PER BLOCK IS EQUIVALENT TO BARS @125mm C/C
 HEIGHT OF WATER BEHIND WALL = 0mm

WALL	MAX H	COURSES
D170 (NO INSULATION)	1.00	4
D250 (NO INSULATION)	2.00	8
D300 (NO INSULATION)	2.50	10
D300 (100mm INSULATION)	1.00	4
D365 (NO INSULATION)	3.50	14
D365 (100MM INSULATION)	2.50	10
D365 (165mm INSULATION)	1.00	4

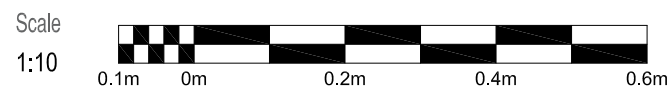
REINFORCED DURISOL RETAINING WALL (NOMINAL SURCHARGE 10.0kN/m^2)

SCALE 1:20



PLAN VIEW - REBAR PLACEMENT IN DURISOL WALL

SCALE 1:10





A	FIRST ISSUE CONSTRUCTION DETAILS	HM	AK	19.05.2020
Issue	Notes	Drawn	Approved	Date



Issuing Office:
 JMS Midlands (Nuneaton): Victoria Court, 25 Tennant Street
 Nuneaton, Warwickshire, United Kingdom, CV11 4LZ, Tel: 02476 350505

Project:
 DURISOL RETAINING WALLS

Drawing Title:
 TYPICAL DETAILS
 ALL BLOCK TYPES

Client:
 DURISOL

Project No. CO20/067/03	Drawing No. 701	Issue A
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CONSTRUCTION