

BLOCK "D"
RAFT FOUNDATION LAYOUT PLAN
scale 1:75

DPM WATERPROOFING NOTE

DPM: ONE LAYER OF 250 MICRON DPM WATERPROOFING SHEETING BEARING SABS 952-1985 TYPE C. THE SHEETING SHALL BE LAID IN THE WIDEST PRACTICAL WIDTHS TO MINIMIZE JOINTS AND SHALL BE TURNED UP, DRESSED TO WALLS AND LAPPED WITH BRIKGRIP SABS DPC.

ALL JOINTS SHALL BE SEALED WITH THE BLACK PRESSURE SENSITIVE TAPE APPLIED OVER THE LEADING EDGE OF THE JOINT, MIN LAP 150MM.

NOTES:

- DRAWINGS ARE NOT TO BE SCALED.
- POSITION OF CONCRETE RAIN WATER CHANNELS ARRANGEMENT TO BE RECONFIGURED ON SITE.
- POSITIONS OF RAMPS TO BE DETERMINED BY PROJECT ARCHITECT.

REVISIONS

	DATE	DESCRIPTION
A	18/10/2019	DESIGN APPROVAL

CLIENT:



IMPLEMENTING AGENT:



PROJECT MANAGERS:

CIVIL ENGINEERS:

STRUCTURAL ENGINEERS:



Regus Westway, 3 Floor, 18 The Boulevard
Westway Office Park, Westville, DURBAN
Tel: (031) 003 3137, Fax: (031) 003 3101, F2E, 086 671 3682
sdu@bhadama.co.za, sspw@bhadama.co.za

PROJECT NAME INFORMATION

ALTERATIONS AND ADDITIONS TO
KHANDISA PRIMARY SCHOOL IN DLANGEZWE

SECTION / BLOCK

RAFT FOUNDATION: BLOCK "D"

TITLE

CONCRETE DRAWING

DRAWING DESCRIPTION

RAFT FOUNDATION LAYOUT PLAN
AND DETAILS

SCALE	AS SHOWN		
DESIGNED SAM	DATE OCT 2019	P/Eng No. 20160552	SIGN.:
DRAWN SAM	DATE OCT 2019	P/Eng No. 20160552	SIGN.:
APPROVED RJK	DATE OCT 2019	DRAWN: 20060009	SIGN.:
DRAWING NUMBER:	P1911/20-004	REVISION A	

CONCRETE:

MATERIAL AND MIX PROPORTIONS:

1.1 THE GRADES FOR CONCRETE, UNLESS OTHERWISE INDICATED SHALL BE AS FOLLOWS:

- COLUMNS CLASS 30 /19, 30MPa AT 28 DAYS
- RC WALLS CLASS 30 /19, 30MPa AT 28 DAYS
- SLABS/BEAMS CLASS 30 /19, 30MPa AT 28 DAYS
- FOUNDATIONS CLASS 30 /19, 30MPa AT 28 DAYS
- GROUND BEAMS CLASS 30 /19, 30MPa AT 28 DAYS
- STRIP FOOTING CLASS 25 /19, 25MPa AT 28 DAYS
- SURFACE BED SLAB CLASS 20 /19, 20MPa AT 28 DAYS
- STAIRS CLASS 30 /19, 30MPa AT 28 DAYS
- UPSTANDS/BALUSTRADES CLASS 30 /19, 30MPa AT 28 DAYS
- BLINDING LAYERS CLASS 15 /19, 15MPa AT 28 DAYS
- MASS CONCRETE CLASS 20 /19, 20MPa AT 28 DAYS

1.2 TEST CUBES ARE TO BE TAKE ON SITE WHILST CASTING IN ACCORDANCE WITH SANS REQUIREMENTS.

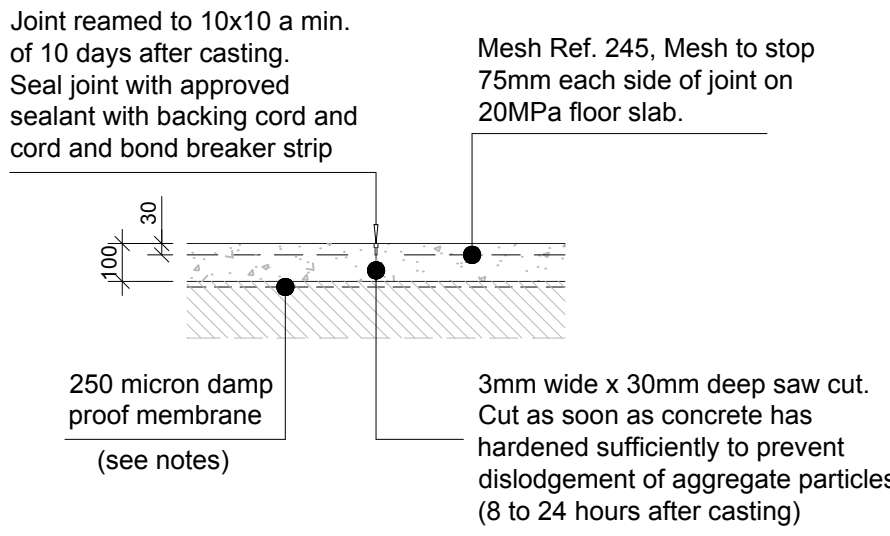
1.3 RESULTS OF CUBE TESTS TO BE SUBMITTED TO ENGINEER FOR APPROVAL

1.4 CONCRETE COVER OVER REINFORCEMENTS UNLESS OTHERWISE NOTED:

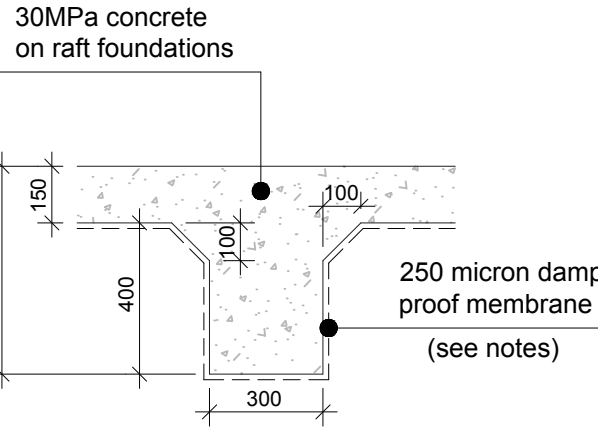
- SLABS 25mm (BOTTOM)
25mm (TOP)
25mm (SIDES)
30mm
- STAIRS 30mm
- BEAMS (ABOVE GROUND) 25mm (TO LINKS)
30mm (TO LINKS)
- COLUMNS 30mm (TO LINKS)
30mm
- GROUND SLAB 30mm
- GROUND BEAMS 50MM (TO LINKS)

1.5 REINFORCEMENTS SHALL BE INSPECTED BY THE ENGINEER ONLY AFTER IT HAS BEEN COMPLETELY FIXED IN POSITION, FORMWORK IS CLEAN, SPACERS ARE PLACED IN POSITION AND AFTER THE CONTRACTOR HAS INSPECTED IT HIMSELF AND ALL QA DOCUMENTATION HAS BEEN SIGNED OFF BY THE MAIN CONTRACTOR AND RELEVANT SUB-CONTRACTORS.

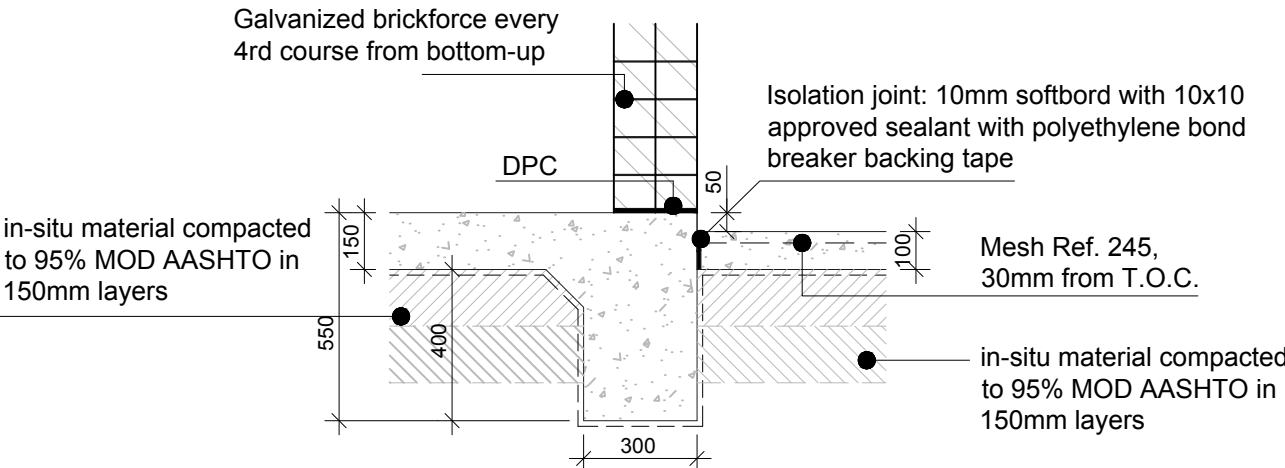
1.6 WELDING OF REINFORCEMENT IS NOT ALLOWED, UNLESS IT HAS BEEN APPROVED BY THE ENGINEER IN WRITING.



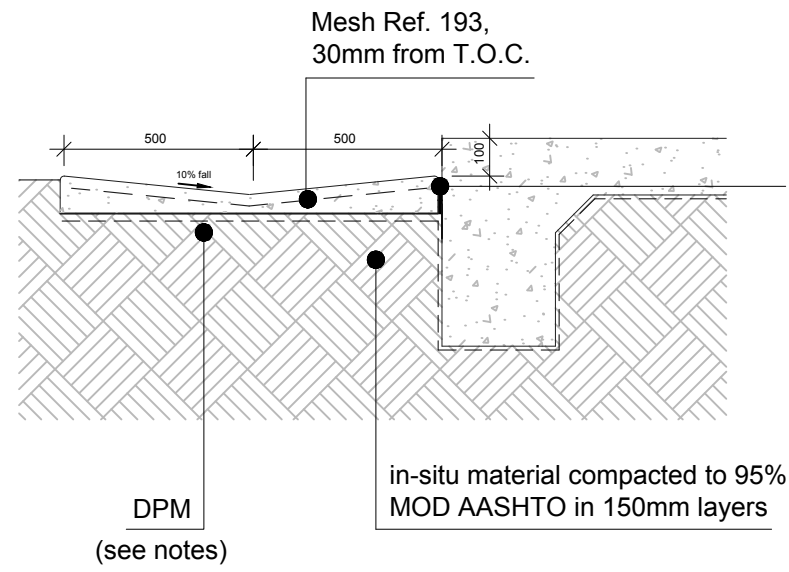
CRACK CONTROL JOINT (C.C.J.)
scale 1:10



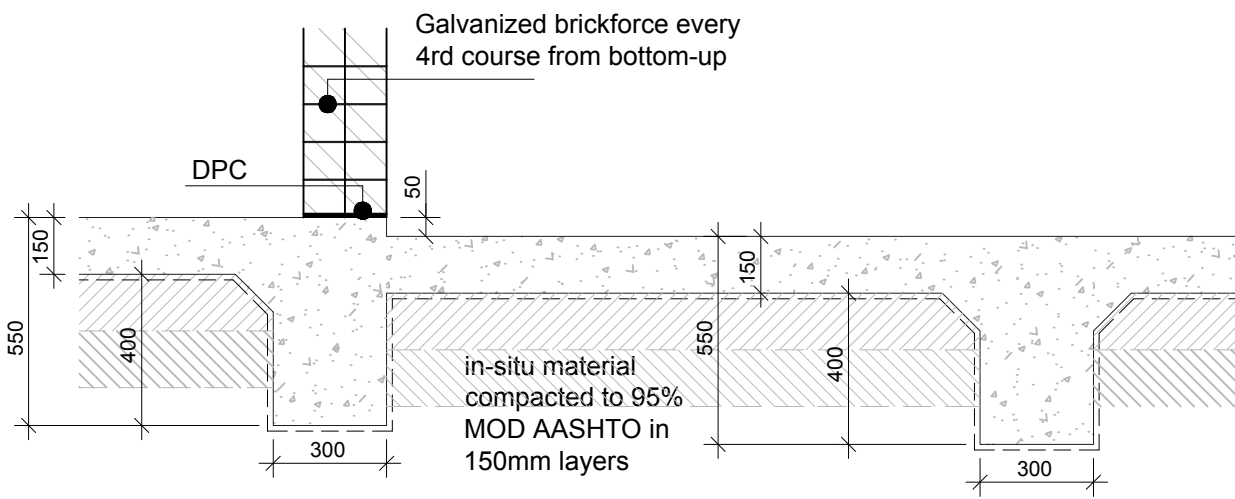
Section "A-A"
scale 1:10



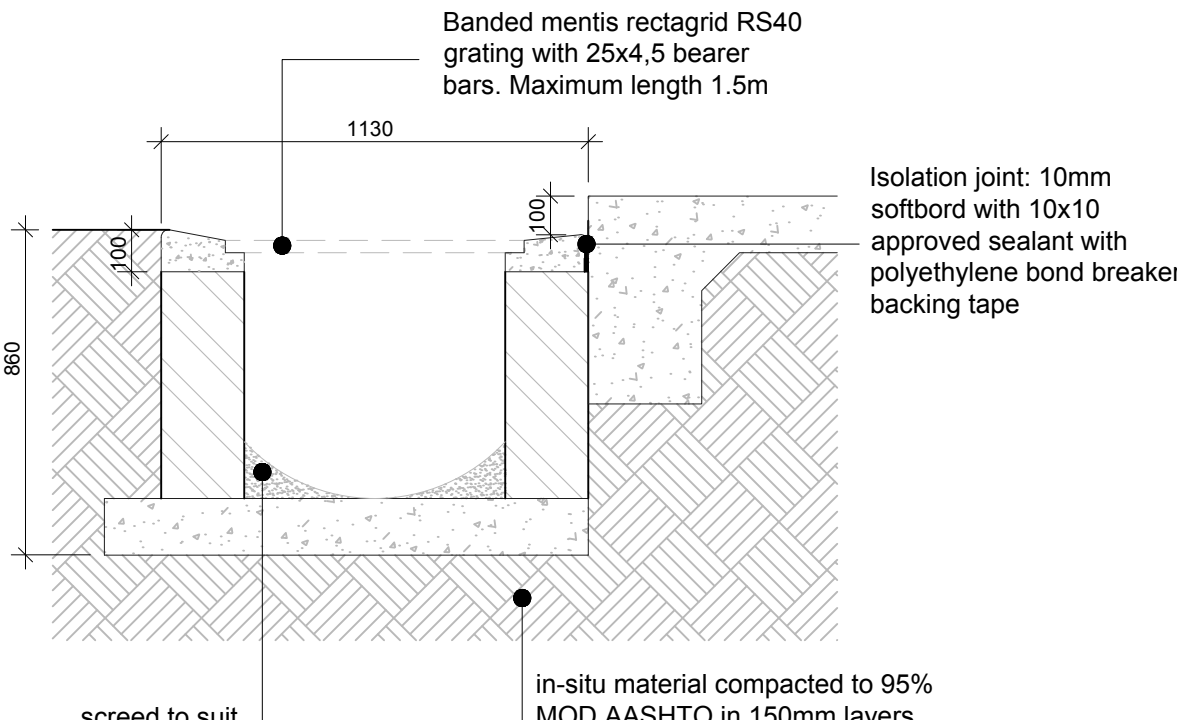
Section "B-B"
scale 1:10



Section "C-C"
scale 1:10



Section "E-E"
scale 1:10



Section "F-F"
scale 1:10