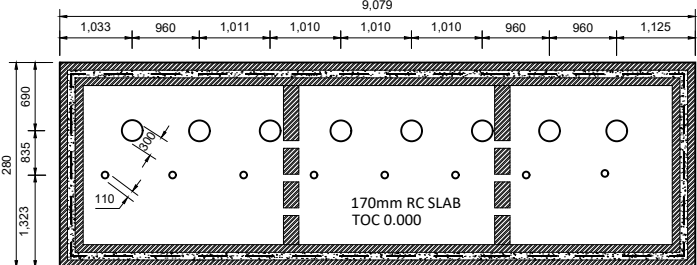
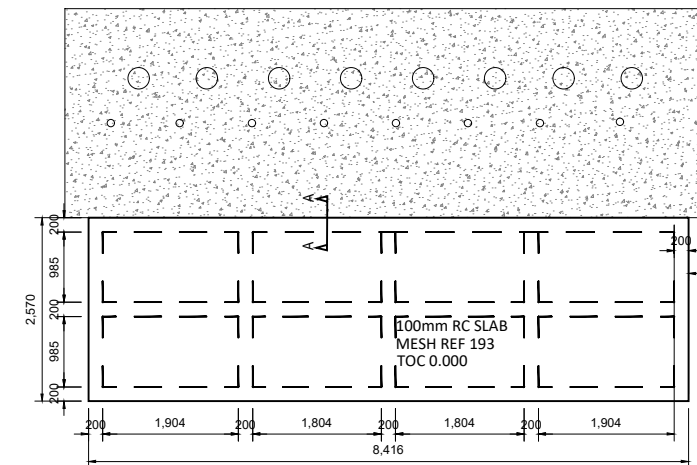


PIT RAFT FOOTING
SCALE: 1:50



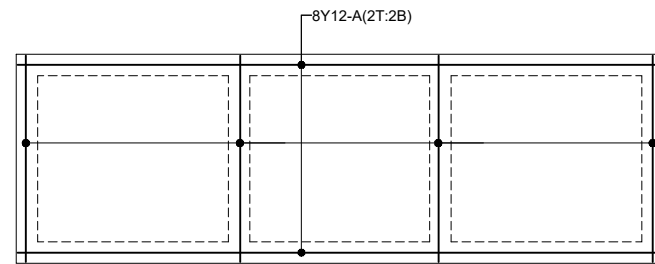
PIT SLAB CONCRETE LAYOUT
SCALE: 1:50



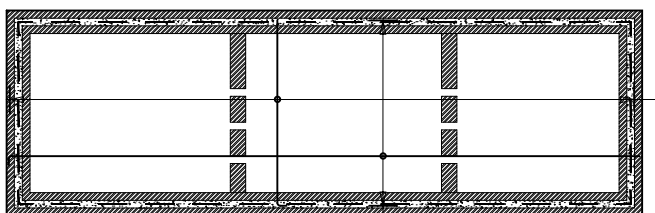
GROUND LEVEL RAFT FOOTING LAYOUT
SCALE: 1:50

1. 1.2 mm THICK GALVANIZED HOOP IRON CONCERTINA TIES EVERY 5 LAYERS
2. POLYCORD STRIPS 15mm DIAM FOR 10mm JOINTS FROM SONDOR (EITHER SIDE OF WALL)
3. UV RESISTANT POLYURETHANE SEALANT FCPU FROM DEN BRAVEN 10mm X 10mm PAINTED WITH ELASTIC PAINT (EITHER SIDE OF WALL)
4. NOTES: JOINTS TO BE CLEANED FROM MORTAR

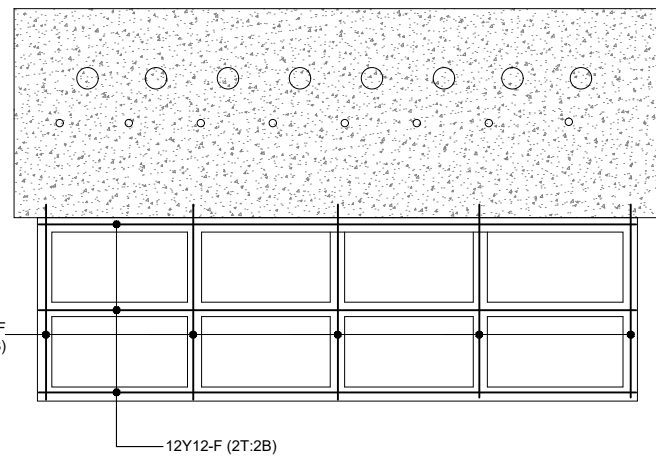
STRAIGHT & INTERSECTION JOINT
SCALE: 1:20



PIT REBAR
SCALE: 1:50



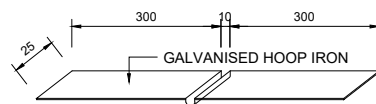
PIT SLAB REBAR LAYOUT
SCALE: 1:50



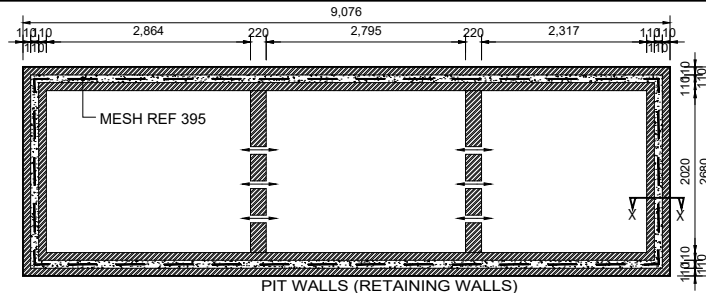
GROUND LEVEL RAFT FOOTING REBAR LAYOUT
SCALE: 1:50



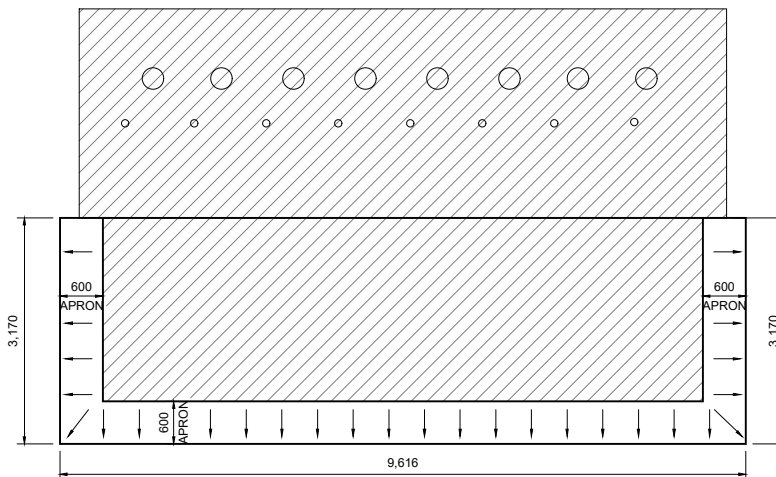
DETAIL AT CORNERS
SCALE: 1:20



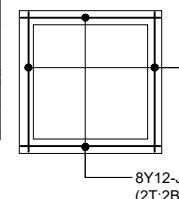
TYPICAL DETAIL FOR CONCERTINA TIES
SCALE: 1:20



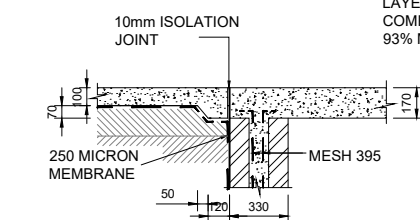
PIT WALLS (RETAINING WALLS)
SCALE: 1:50



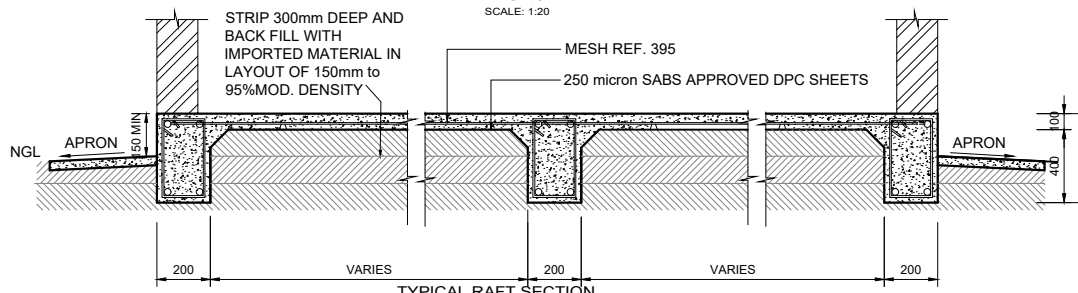
APRON LAYOUT
SCALE: 1:50



SECTION A-A
SCALE: 1:20



SECTION X-X
SCALE: 1:20



TYPICAL RAFT SECTION
SCALE: 1:20

GENERAL NOTES			
ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK			
- THIS DRAWING MUST NOT BE SCALED, ONLY FIGURED DIMENSIONS MUST BE USED.			
- DIMENSION AREA TAKEN TO THE CENTRE LINE OR STRUCTURAL SURFACES AND DO NOT INCLUDE FINISHES EXCEPT WHERE OTHERWISE STATED.			
- ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE CONSULTANT BEFORE COMMENCING WORK.			
- FOUNDATION TRENCHES & UNDER SURFACE BEDS TO BE TREATED WITH ANT-POISON.			
- ALL LEVELS INDICATED ON DRAWING ARE MEASURED ON FROM SURFACE BED REFERENCE LEVEL 100.000.			
- ALL CONCRETE TO BE IN ACCORDANCE WITH SABS 1200 G.			
- BRICK-FORCE IN BRICKWORK EVERY 4TH COURSE AND EVERY COURSE OVER OPENING.			
- DPC'S UNDER WINDOW CILLS & AT SURFACE BEDS LEVEL IN ALL CASES.			
- ALL MATERIALS ARE ' ' OR SIMILAR APPROVED.			


REVISION	DATE	NO.	REVISIONS	INIT.
	21/04/2021	0A	ISSUED FOR TENDER	BM

Implementing Agent



Development Bank of Southern Africa

Client



basic education
Department: Basic Education
REPUBLIC OF SOUTH AFRICA

Consultant



Quantity Surveyors (Pty) Ltd.

SILIMELA SENIOR PRIMARY SCHOOL			
date : APRIL 2021		PAPER SIZE:	
drawn : BM		A3	
Drawing Description: PROPOSED GIRLS ABLUTIONS: PIT, FOUNDATIONS AND CONCRETE LAYOUT AND SECTIONS			
Job No:		Drawing No:	Rev. No:
EC-2021-2	SSPS-S-100	0A	
ISSUED FOR APPROVAL			
ISSUED FOR INFORMATION			
ISSUED FOR SUBMISSION			
ISSUED FOR TENDER			
ISSUED FOR CONSTRUCTION			

A. GENERAL :

1. THE CONTRACTOR SHALL ENSURE THAT WATER-PROOFING MATERIALS ARE NOT DAMAGED DURING BACKFILLING OPERATIONS AND FIXING OF STEEL.
2. FORMATION LEVELS ARE TO BE AGREED UPON WITH THE ENGINEER ON SITE.
3. SLOPE EARTH AROUND RAFT FOUNDATION AWAY FROM THE BUILDING.
4. 1500mm APRON AROUND THE HOUSE TO FALL 1:20.
5. FLOOR LEVEL TO BE 150mm MINIMUM ABOVE NGL.
6. REMOVE TOP SOIL AND CREATE A LEVEL PLATFORM OF 1.5m AROUND RAFT PERIMETER
7. PLATFORM CAN BE FORMED IN A CUT TO FILL WITH THE ENGINEER APPROVING THE FILL MATERIAL

B. RAFT FOUNDATION :

1. RAFT FOUNDATION TO BE BUILD ON PREPARED PLATFORM 300mm DEEP AND FILLED WITH IMPORTED MATERIAL.
2. COMPACTION AT OPTIMUM MOISTURE CONTENT.
3. COMPACTION RESULTS TO BE ISSUED TO THE ENGINEER FOR APPROVAL BEFORE TRENCHING COMMENCES.
4. RAFT TO BE BUILT ON 250 MICRON PVC PLASTIC SHEETING BETWEEN ALL CONCRETE AND EXCAVATED SURFACES.

C. CONCRETE :

1. CONCRETE STRENGTH SHALL BE AT 28 DAYS AS FOLLOWS :

BLINDING	15 MPa / 19 mm
FOUNDATIONS	25 MPa / 19 mm
COLUMNS	30 MPa / 19 mm
WALLS	25 MPa / 19 mm
SURFACE BED	30 MPa / 19 mm
BEAMS/GROUND BEAMS	30 MPa / 19 mm
SLABS	30 MPa / 19 mm
CONCRETE CAVITY WALLS	20 Mpa / 19mm
REINF. EARTH RETAINING WALL	30 Mpa / 19mm
2. STRUCTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
3. CURING OF CONCRETE SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH SABS 1200 G.

4. NO BRICK WALLS SHALL BE BUILT ON FLOOR SLABS UNTIL THE SLABS HAVE REACHED THEIR 14 DAY STRENGTH. AND PROPPING HAS BEEN REMOVED
5. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF SABS 1200 G.
6. STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SABS 1200 G.

D. REINFORCEMENT :

1. THE CONTRACTOR SHALL INSPECT AND APPROVE THE FIXED REINFORCEMENT BEFORE THE ENGINEER IS NOTIFIED ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED IN WRITING BY THE ENGINEER BEFORE CASTING OF CONCRETE MAY COMMENCE.
2. BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SABS 82.
3. REINFORCEMENT SHALL BE FIXED TO COMPLY WITH THE TOLERANCES AS SPECIFIED IN SABS 1200 G AND/OR THE PROJECT SPECIFICATION.
4. MAXIMUM CONCRETE COVER TO REINFORCING, EXCEPT WHERE NOTED OTHERWISE ON BENDING SCHEDULES, IS AS FOLLOWS :

FOUNDATIONS	40 mm
COLUMNS	25 mm