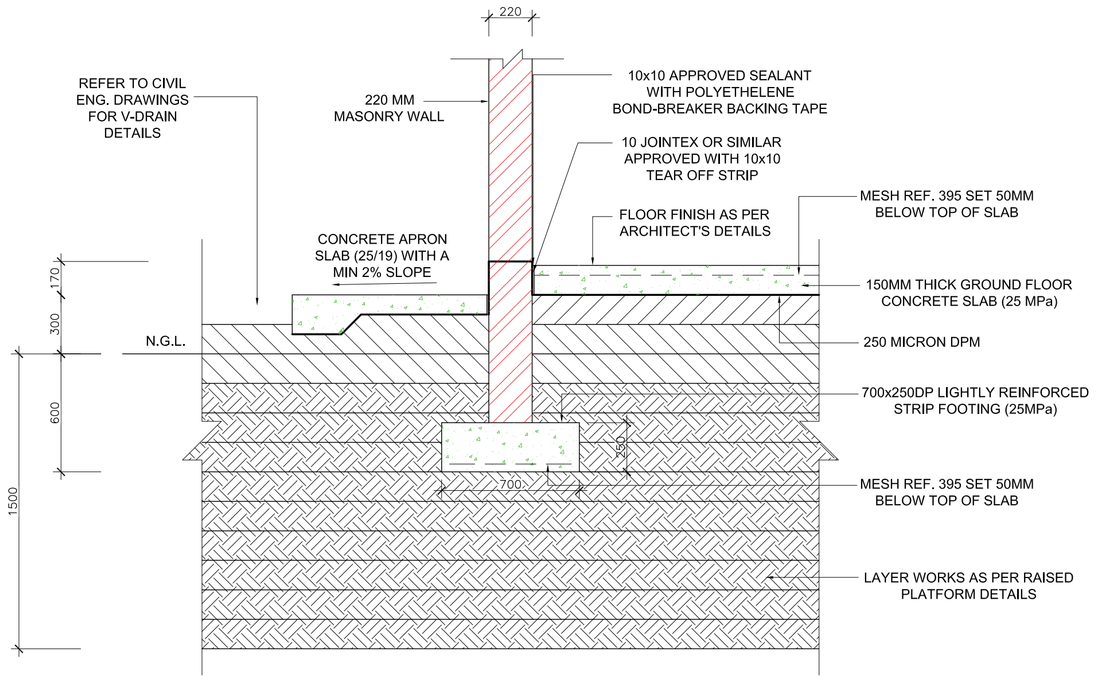
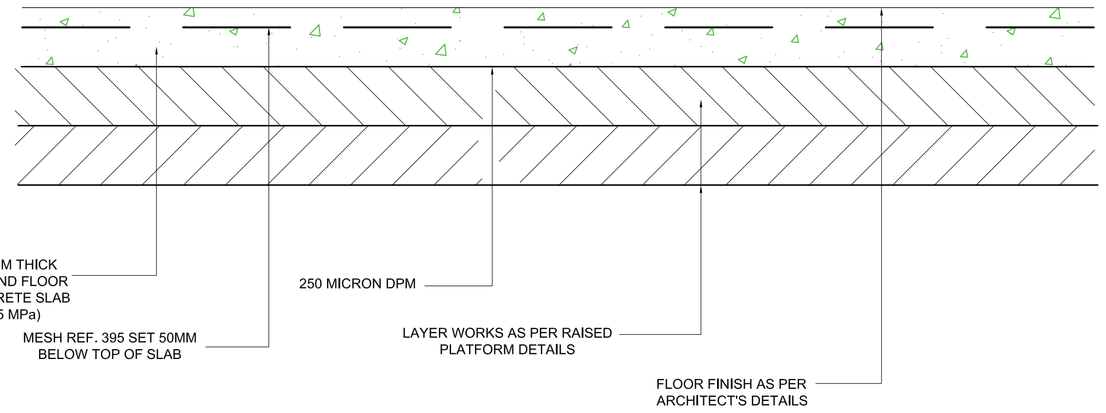


TYPICAL 220 MM WALL FOUNDATION DETAILS IN RAISED PLATFORMS

1:20

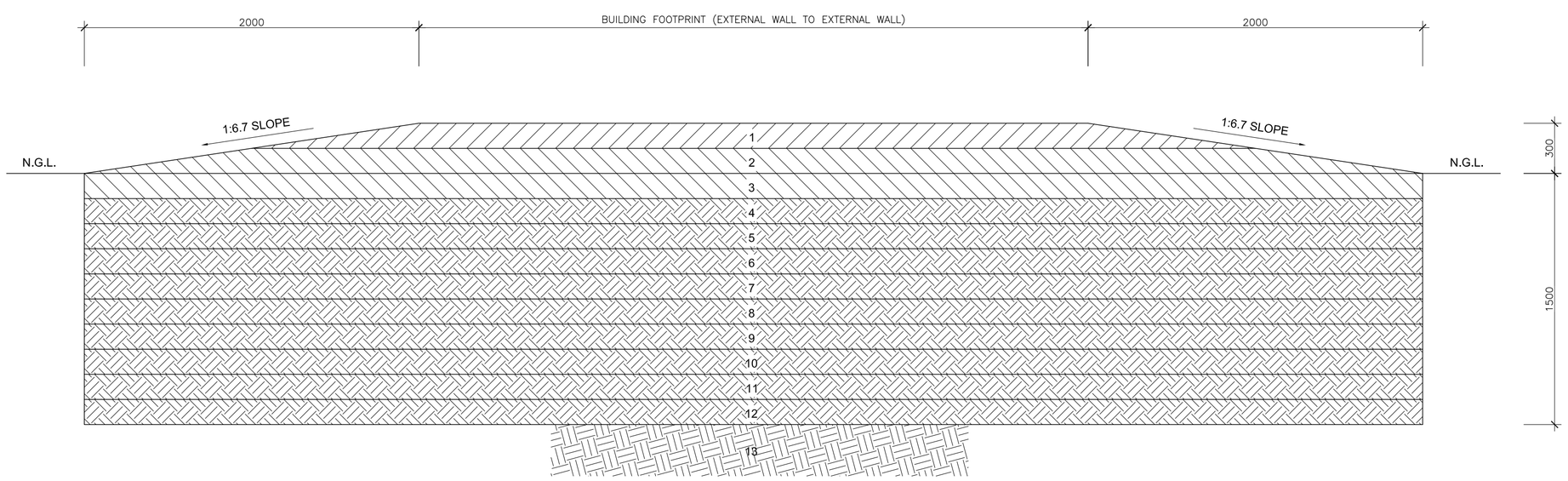
RAISED PLATFORMS LAYERWORKS CONSTRUCTION

LAYER NO.	LAYER THICKNESS	DESCRIPTION	COMPACTION
1	150 MM	IMPORTED G5 MATERIAL OR BETTER	97% MOD AASHTO
2	150 MM	IMPORTED G6 MATERIAL OR BETTER	95% MOD AASHTO
3	150 MM	REMOVE 150 MM EXISTING TOP SOIL LAYER & SPOIL. REPLACE LAYER WITH IMPORTED G6 MATERIAL OR BETTER	95% MOD AASHTO
4	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
5	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
6	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
7	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
8	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
9	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
10	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
11	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
12	150 MM	REMOVE INSITU MATERIAL & STABILIZE IT AT 2% CEMENT CONTENT. USE STABILIZED MATERIAL TO CONSTRUCT LAYER	95% MOD AASHTO
13	INFINITE	RETAIN EXISTING INSITU MATERIAL	CUT EVEN



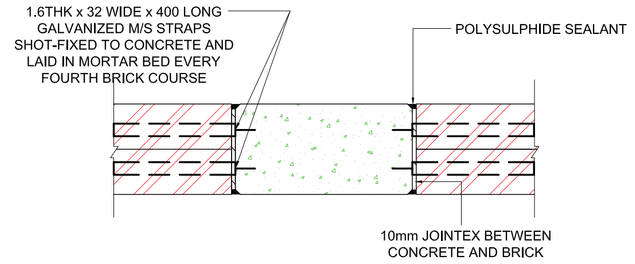
TYPICAL SLAB CONSTRUCTION DETAIL

1:25



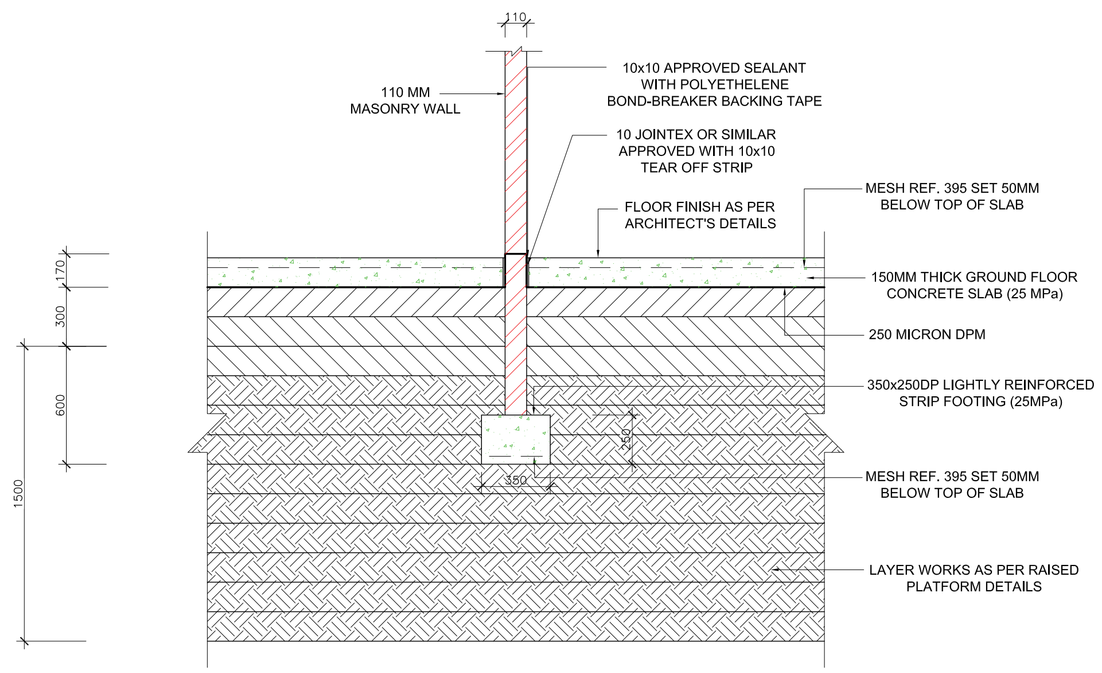
TYPICAL RAISED PLATFORM CONSTRUCTION DETAIL

1:20



TYPICAL JUNCTION OF BRICK TO CONCRETE DETAIL

N.T.S.



TYPICAL 110 MM WALL FOUNDATION DETAILS IN RAISED PLATFORMS

1:20

NOTES

GENERAL NOTES:

1. THESE NOTES MUST BE READ IN CONJUNCTION WITH THE DRAWINGS AND PROJECT SPECIFICATIONS INCLUDING THE SANS 1200 STANDARD SPECIFICATIONS.
2. THE CONTRACTOR MUST IMPLEMENT A QUALITY ASSURANCE SYSTEM FOR THE EXECUTION OF THE WORK. THE QUALITY MANAGEMENT SYSTEM MUST BE APPROVED BY THE ENGINEER PRIOR TO THE START OF THE WORK. THE CONTRACTOR MUST PERFORM A QUALITY CONTROL INSPECTION BEFORE THE ENGINEER WILL DO ANY INSPECTIONS.
3. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION OF ANY PORTION OF THE WORK. ANY DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO THE ENGINEER.
4. WORK TO BE DONE TO FIGURED DIMENSIONS ONLY.
5. PRODUCTS DIFFERENT TO THOSE SPECIFIED MAY ONLY BE USED WITH THE ENGINEER'S PRIOR WRITTEN APPROVAL.

FOUNDATION NOTES:

1. EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE ENGINEER BEFORE CONCRETE IS CAST.
2. FOUNDATIONS TO BE BUILT ON FIRM, WELL COMPACTED SOIL.
3. THE ENGINEER MAY ORDER PLATE LOAD TESTS TO BE DONE TO ASCERTAIN THE BEARING CAPACITY OF THE FOUNDATION FOUNDING SURFACE.
4. ASSUMED SAFE BEARING CAPACITY OF FOUNDING MATERIAL 75 kPa.

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH SABS 1200G.
2. CONCRETE CLASS TO BE AS FOLLOWS:

   BLINDING 15 MPa/19mm
   STANDARD REINFORCED CONCRETE 30 MPa/19mm
3. THE CONTRACTOR MUST CO-ORDINATE ALL SERVICE DRAWINGS FOR DETAILS AND POSITIONS OF OPENINGS AND SLEEVES REQUIRED FOR STORMWATER, SEWERAGE, DRAINAGE, ELECTRICAL, MECHANICAL AND OTHER SERVICES.
4. THE CONCRETE COVER TO REINFORCING IS AS FOLLOWS:

   FOUNDATIONS 40mm
   SURFACEBEDS (FROM TOC) 30mm
5. THE STRENGTH OF THE CONCRETE COVER BLOCKS SHALL EXCEED THE STRENGTH OF CONCRETE OF THE STRUCTURAL ELEMENT IN WHICH THEY ARE USED.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT THE FORMATION OF PLASTIC SHRINKAGE CRACKS IN NEWLY LAID CONCRETE.
7. CONCRETE SHALL BE CURED TO AN APPROVED SPECIFICATION USING MEMBRANES, MIST SPRAY OR CURING COMPOUND THAT DOES NOT AFFECT ADHESION OR FINISHES.
8. NO BRICK WALLS MAY BE BUILT ON FLOOR SLABS, BEAMS, WALLS, ETC. BEFORE THE ELEMENT HAS REACHED THE 28 DAY TARGET STRENGTH, UNLESS APPROVED IN WRITING BY THE ENGINEER.
9. 25 x 25 CHAMFERS TO BE FORMED AT ALL EXPOSED CONCRETE CORNERS.
10. 250 MICRON DPC TO BE PLACED UNDER ALL SURFACE BEDS.

CLIENT

DEVELOPMENT BANK OF SOUTHERN AFRICA

DBSA Development Bank of Southern Africa

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REV NO.	DATE	DESCRIPTION
R00	2021-10-25	ISSUED FOR DETAIL DESIGN.

REVISIONS

PROJECT CONSULTANT

PROJECTNEERS

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DRAWING CHECKS

DESIGNED BY	DESIGN CHECKED BY	DRAWN BY	DRAWING CHECKED BY
B. TSHUMA	S.ZUNGU	M.NTSADU	N. MDLALOSE

APPROVAL CONSULTANT

B. TSHUMA

DATE	PROF. REG. NO.	
2021-10-25		THE MASTER HELD AT THE PROJECTNEERS CONSULTING MIDRAND OFFICE BEARS THE ORIGINAL SIGNATURE OF APPROVAL

PROJECT NAME

PROPOSED PROVISION OF ADDITIONAL SCHOOL INFRASTRUCTURE AT GOAKGANYA PRIMARY SCHOOL ON BEHALF OF THE NORTH WEST DEPARTMENT OF EDUCATION (NW DoE)

PROJECT SITE

GOAKGANYA PRIMARY SCHOOL, MADIBENG LOCAL MUNICIPALITY, NORTH WEST PROVINCE

SHEET TITLE

FOUNDATION CONSTRUCTION DETAILS

DISCIPLINE

STRUCTURAL ENGINEERING

CONTRACT NUMBER

RFP 268/2019

FILE NUMBER

ZA2020_2003

DRAWING NUMBER

ORG	STATE	YEAR	PROJ. NO.	CLIENT	SITE	ROLE	SERIAL NO.	REV	SHEET SIZE
PJN_ZA_2020_2003_DBSA_GKPS_SE_4002_R00									A1

ISSUED FOR TENDER