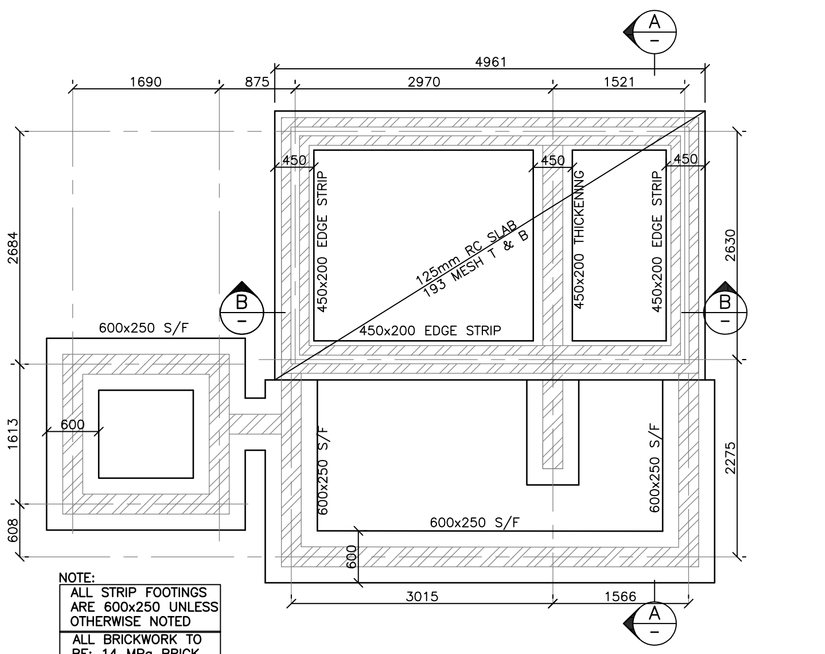
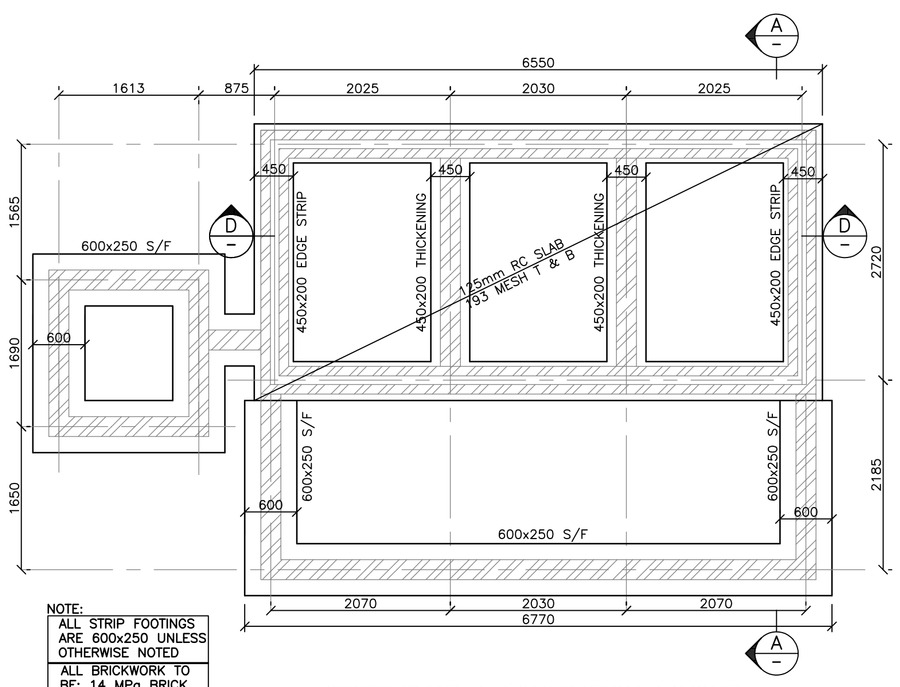


NOTE:
ALL STRIP FOOTINGS ARE 600x250 UNLESS OTHERWISE NOTED
ALL BRICKWORK TO BE: 14 MPa BRICK & CLASS II MORTAR

GRADE R ABLUTION: TYPE 4 FOUNDATION LAYOUT

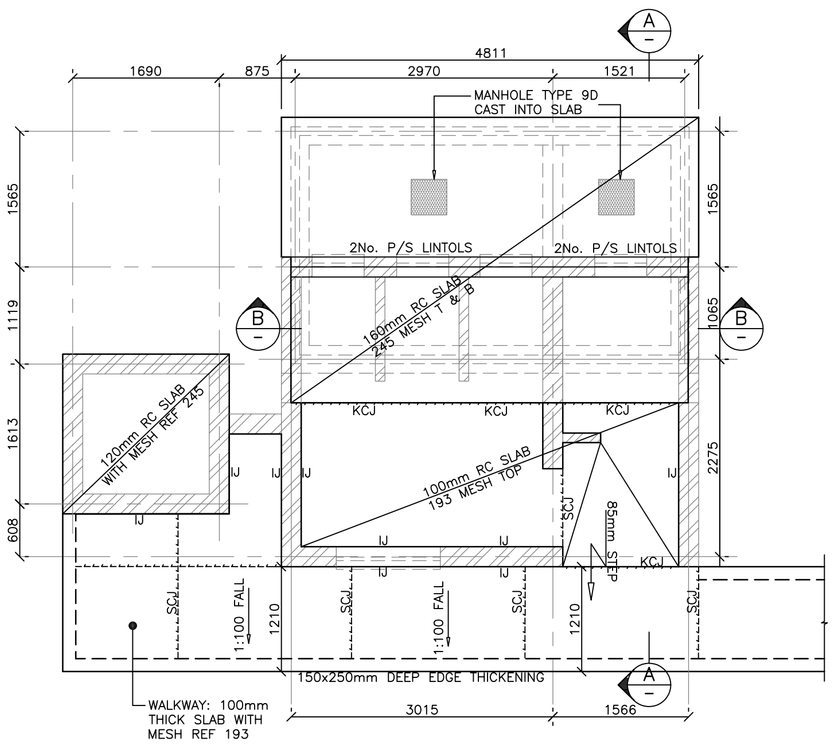
SCALE 1 : 50



NOTE:
ALL STRIP FOOTINGS ARE 600x250 UNLESS OTHERWISE NOTED
ALL BRICKWORK TO BE: 14 MPa BRICK & CLASS II MORTAR

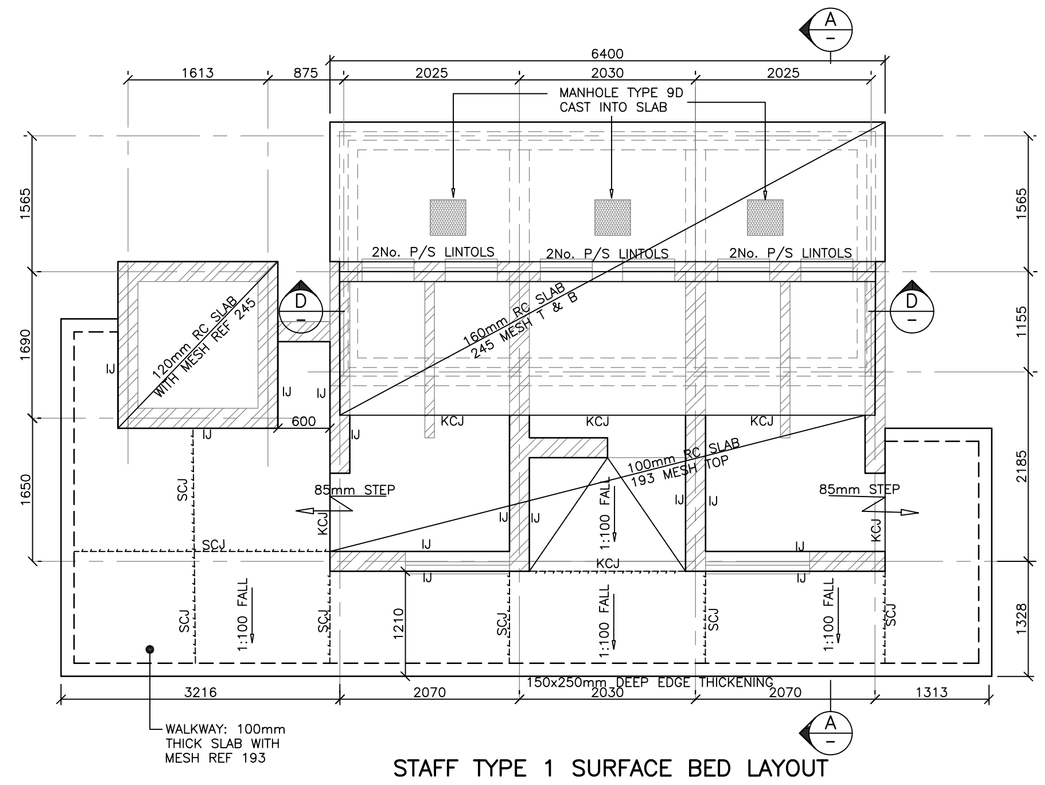
STAFF TYPE 1 FOUNDATION LAYOUT

SCALE 1 : 50



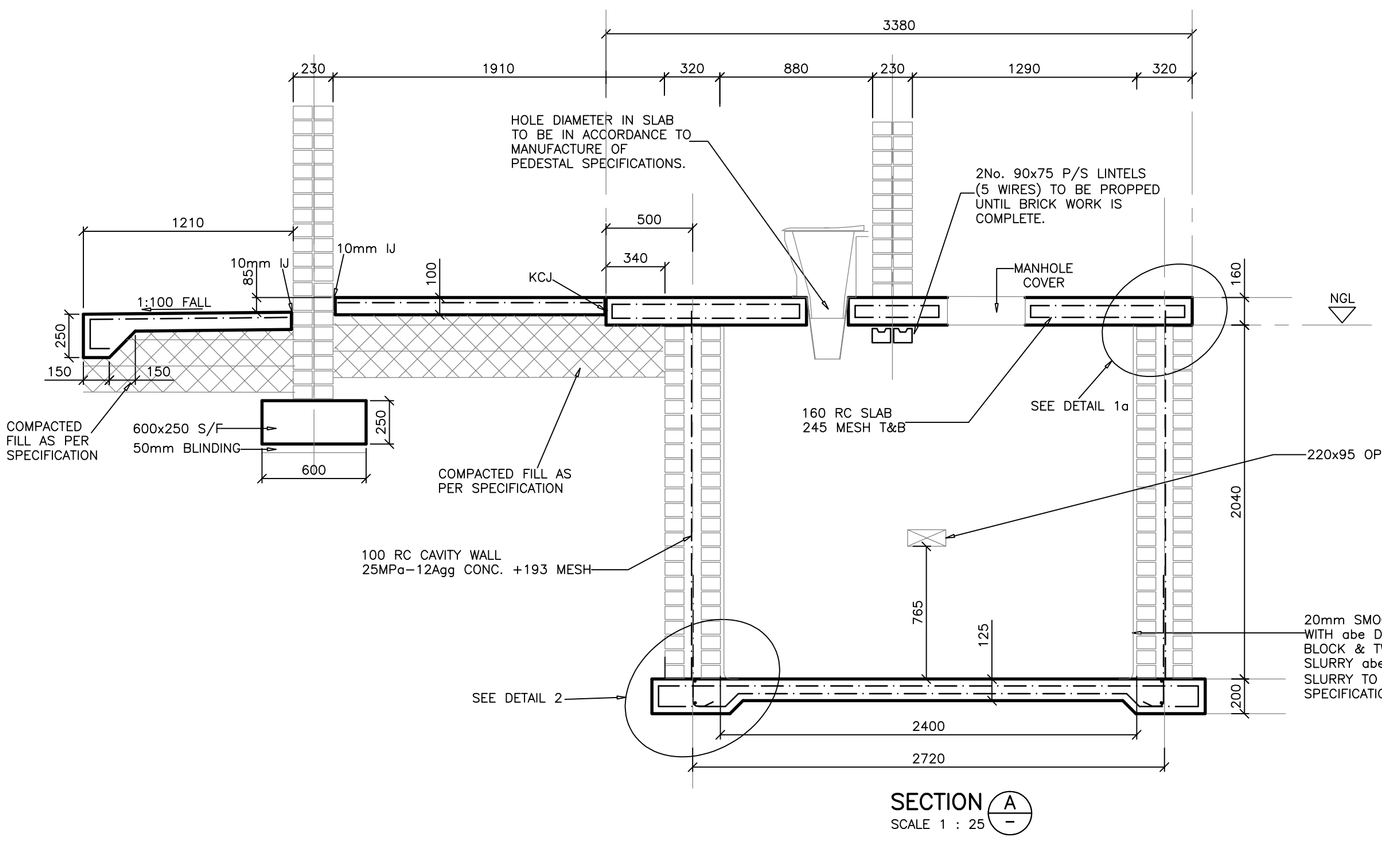
GRADE R ABLUTION: TYPE 4 SURFACE BEDS LAYOUT

SCALE 1 : 50

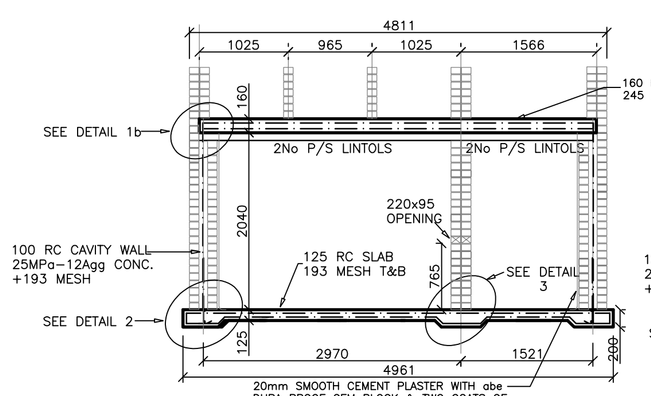


STAFF TYPE 1 SURFACE BED LAYOUT

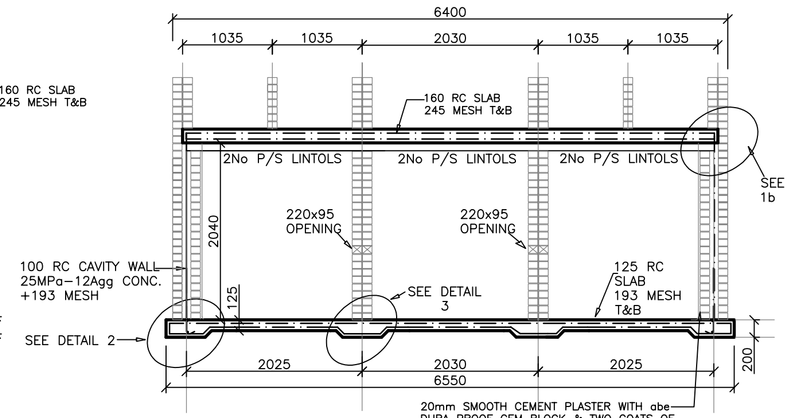
SCALE 1 : 50



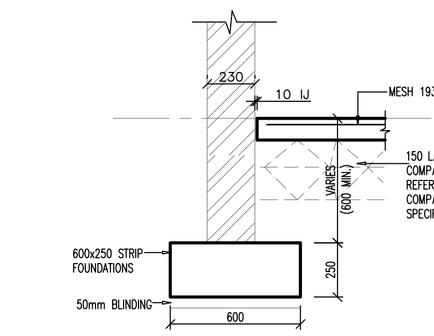
SECTION (A) SCALE 1 : 25



SECTION (B) SCALE 1:50

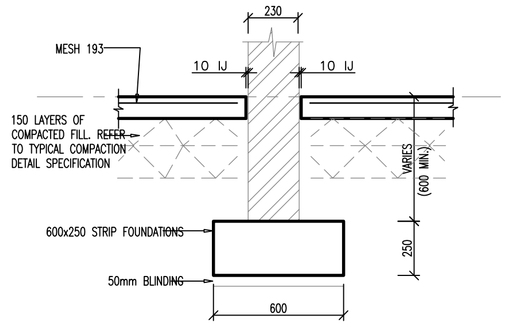


SECTION (D) SCALE 1:50



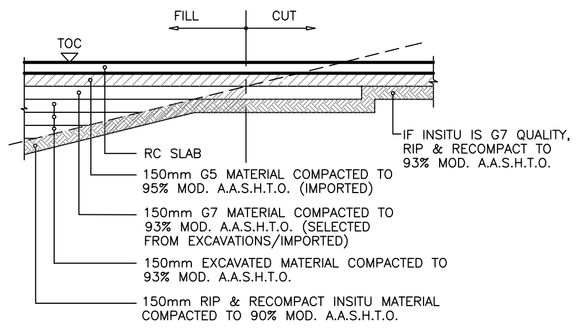
TYPICAL EXTERNAL 230 WALL

SCALE 1:20



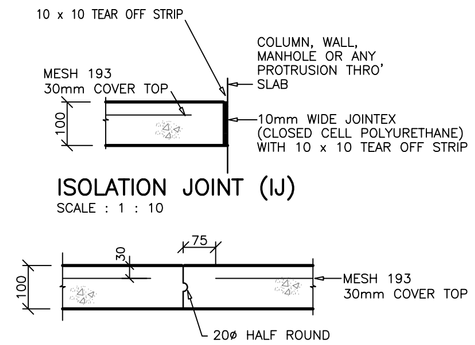
TYPICAL INTERNAL 230 WALL

SCALE 1:20



COMPACTION SPECIFICATION

SCALE 1 : 100

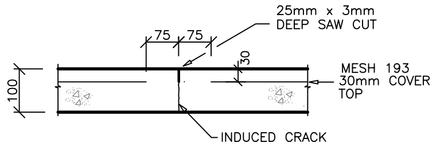


ISOLATION JOINT (IJ)

SCALE : 1 : 10

KEYED CONSTRUCTION JOINT (KCJ)

SCALE 1:10

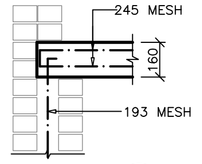


SAW CUT JOINT (SCJ)

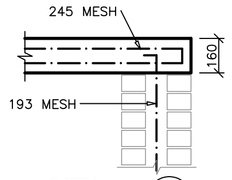
SCALE 1:10

NOTE:
JOINTS ARE PERMITTED ONLY AT LOCATIONS SHOWN ON PLAN

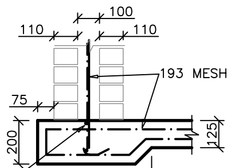
SAWN JOINTS CAN REPLACE KCJ's TO SUIT CONSTRUCTION SEQUENCE



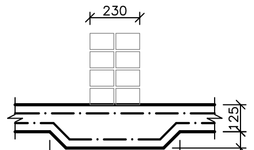
DETAIL (1b) SCALE 1 : 20



DETAIL (1a) SCALE 1 : 20



DETAIL (2) SCALE 1 : 20



DETAIL (3) SCALE 1 : 20

BRICKWORK NOTES:

1 ALL BRICKWORK AND BLOCKWORK TO BE IN ACCORDANCE WITH SABS 0145 AND 0164 AND THE PROJECT SPECIFICATION

2 BRICK REINFORCING FABRIC TO BE PLACED EVERY 5th COURSE IN BRICKWALLS AND EVERY 2nd COURSE IN BLOCK WALLS U.O.N. ABOVE AND BELOW OPENINGS, PROVIDE BRICKFORCE EVERY COURSE FOR 4 COURSES.

3 TOLERANCE OF BRICKWORK TO BE SPECIFIED IN SABS 0155 SECTION 5,5 AND TABLE 10, GRADE 1

4

MATERIALS	
BRICK STRENGTH	14,0 MPa
MORTAR	II

STRUCTURAL/LOADBEARING BRICKWORK:

1 ALL LOADBEARING BRICKWORK TO COMPLY WITH SABS 0164

2 BRICKS TO COMPLY WITH SABS 227 MINIMUM COMPRESSIVE STRENGTH TO BE 14 MPa AT 28 DAYS. EXPANSION OF LESS THAN 2% + CLASS II MORTAR

3 WATER ABSORPTION OF BRICKS TO BE LESS THAN 7%

4 BRICK REINFORCING FABRIC TO BE PLACED EVERY COURSE FOR A MINIMUM OF 4 COURSES BELOW SLAB SOFFIT, ABOVE OPENINGS GREATER THAN 1.2m BUT LESS THAN 2.4m PROVIDE LINTOLS AND BRICKFORCE EVERY COURSE FOR A MINIMUM OF 6 COURSES

FOUNDATION NOTES:

1 FOUNDING CONDITIONS & LEVELS TO BE DETERMINED ON SITE AND APPROVED BY ENGINEER

2 LEVELS SHOWN ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. ALL FOUNDATION EXCAVATIONS ARE TO BE APPROVED BY THE ENGINEER AND CLEANED PRIOR TO POURING CONCRETE

3 ALL STRIP FOUNDATIONS TO BE 600 x 250 DEEP U.O.N.

4 ALL EXCAVATIONS TO HAVE 50mm MINIMUM BLINDING LAYER.

5 ALL CAVITIES TO CAVITY BRICK WALLS TO BE FILLED WITH 10 MPa MASS CONCRETE BELOW D.P.C. LEVEL

GENERAL NOTES:

1 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S DRAWINGS AND ENGINEER'S DRAWINGS

2 DIMENSIONS MUST NOT BE SCALED OR ASSUMED, AFTER NOTIFICATION, DISCREPANCIES OR MISSING DIMENSIONS WILL BE CORRECTED IN WRITING BY THE ENGINEER

3 ALL ELEMENTS OF THE BUILDING TO BE CONSTRUCTED WITHIN THE TOLERANCES LAID DOWN IN SABS 0155 "ACCURACY IN BUILDING" WITH THE FOLLOWING CLASSIFICATIONS:

FOUNDATIONS – GRADE II
SLABS AND COLUMNS – GRADE II

CONCRETE NOTES:

1 ALL CONCRETE WORK IS TO BE IN ACCORDANCE WITH SABS 1200G AND THE PROJECT SPECIFICATION.

2 CONCRETE STRENGTHS:

ELEMENT	CONCRETE STRENGTH/ AGGREGATE SIZE (MPa/mm)	COVER (mm)
BLINDING	10	
FOUNDATIONS	30/19	50
SURFACE BEDS	30/19	30

FINISH TO CONCRETE TO BE AS FOLLOWS:

SURFACE BED – ROUGH

ALL FINISHES TO COMPLY WITH CONCRETE SPECIFICATION
ALL EXPOSED EDGES OF SMOOTH CONCRETE TO HAVE 20mm x 20mm CHAMFERS

3 **LEGEND:**

a U/S BEAM DENOTES – UPSTAND BEAM
D/S BEAM DENOTES – DOWNSTAND BEAM
UON – UNLESS OTHERWISE NOTED
BEAM SIZES SHOWN AS WIDTH x DEPTH
00,000 ▽ TOP OF CONCRETE (TOC)
STEP

b WALLS SHOWN THUS:
OVER AND UNDER
UNDER ONLY

4 TEST CUBES ARE TO BE TAKEN EVERY 50m³ OR FOR EACH CONCRETE POUR (WHICHEVER IS THE LEAST) OR AS REQUIRED BY THE ENGINEER)

Revisions

No.	Date	Description	By	Chk	App
0	23/04/21	Issued for Tender	FC		

Drawing Status
FOR TENDER

Reference Drawings

Drg No.	Description

Designed	Drawn	Checked	Approved	Date	Scale
	FC	CNN		25/03/21	AS SHOWN

Client
Province of the EASTERN CAPE EDUCATION

Implementing Agent
DBSA Development Bank of Southern Africa

Project
DBSA – SAFE SANITATION PROGRAMME

Drawing Title
GRADE R & STAFF ABLUTION BLOCKS: LAYOUTS & SECTIONS
MANZANA PS
EMIS NO.: 200400486

HSC CONSULTING
18 St. Marks Road
East London, 5201
P O Box 11166
Southernwood, 5213
tel : (043) 743 9528
fax : (043) 743 5347
e-mail : hscc@hscc.co.za

Job No.	Drawing No.	Revision
P2052	Ma-S01	0

Cad file ref. N:\P2052\drawings\Structural\

A1, 1:1