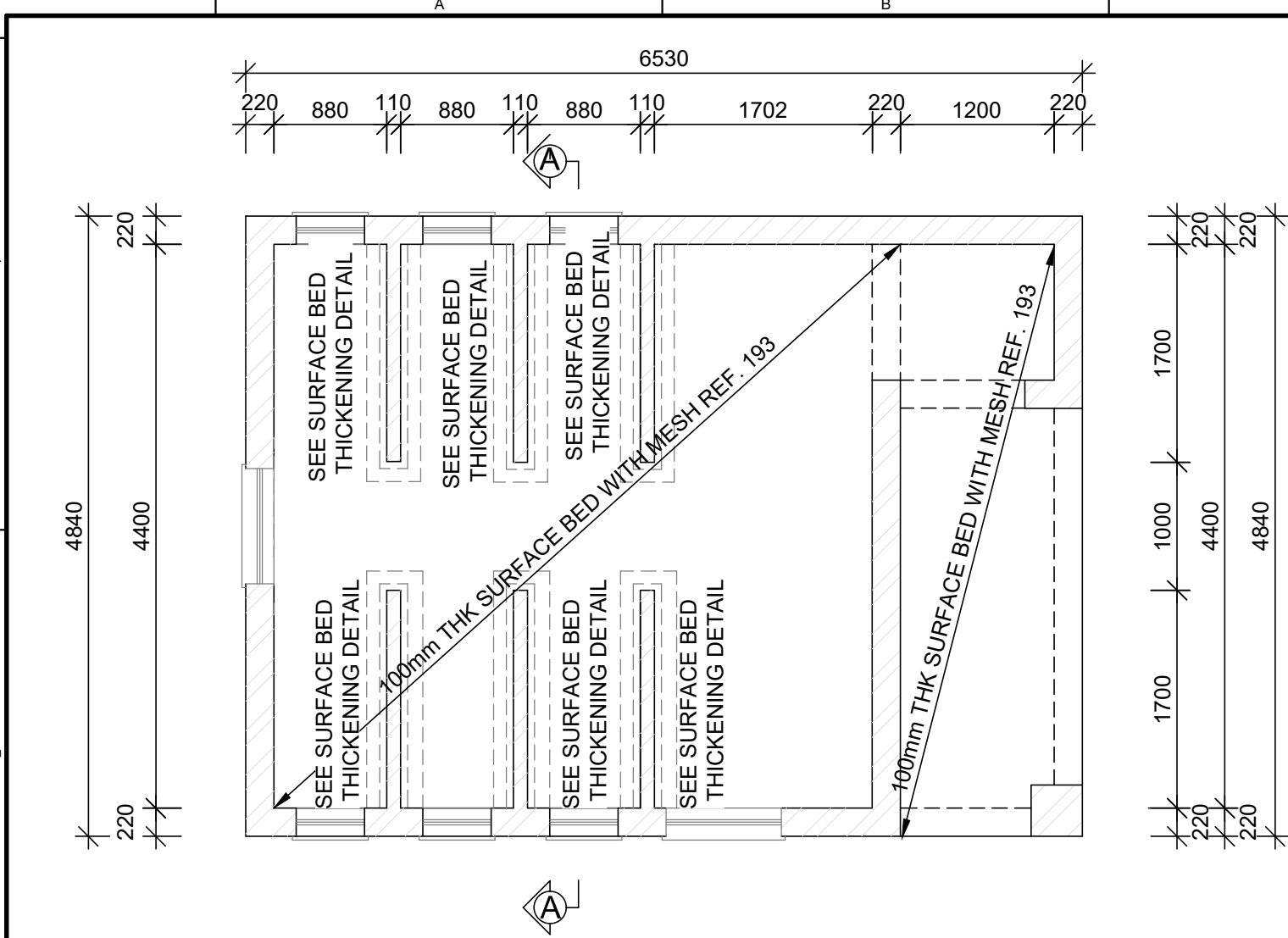
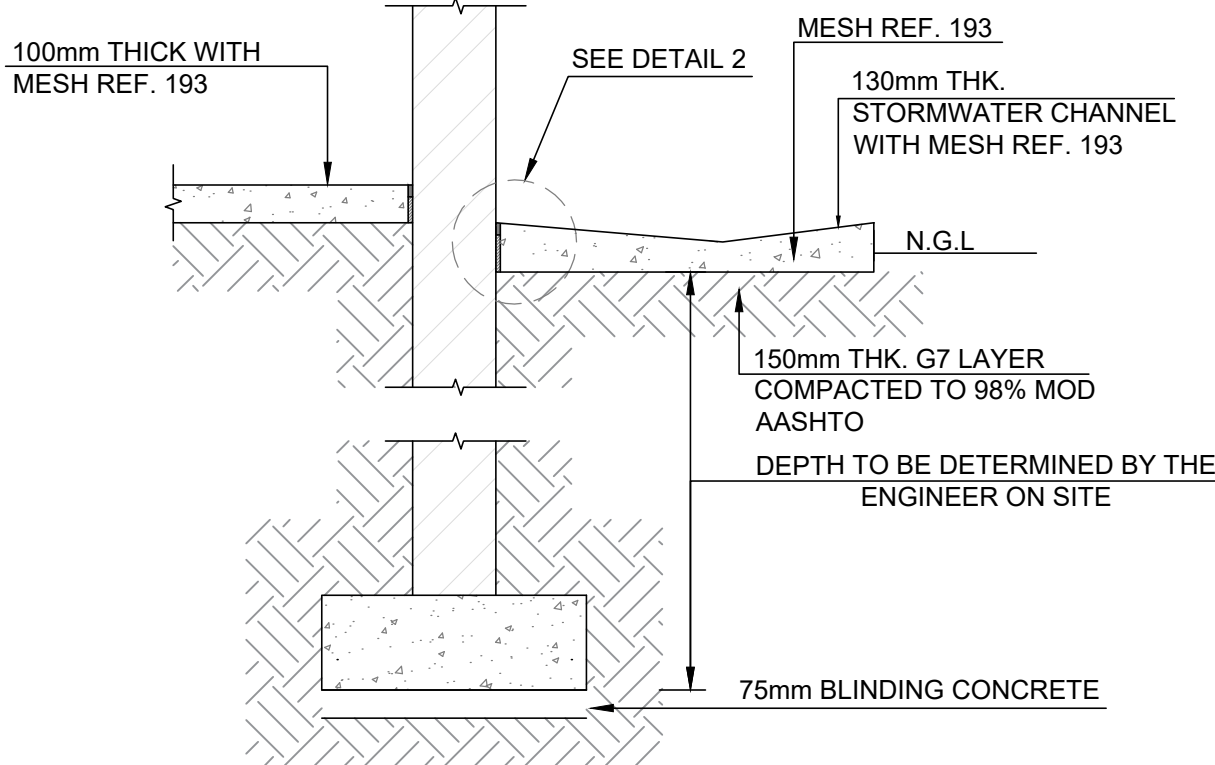
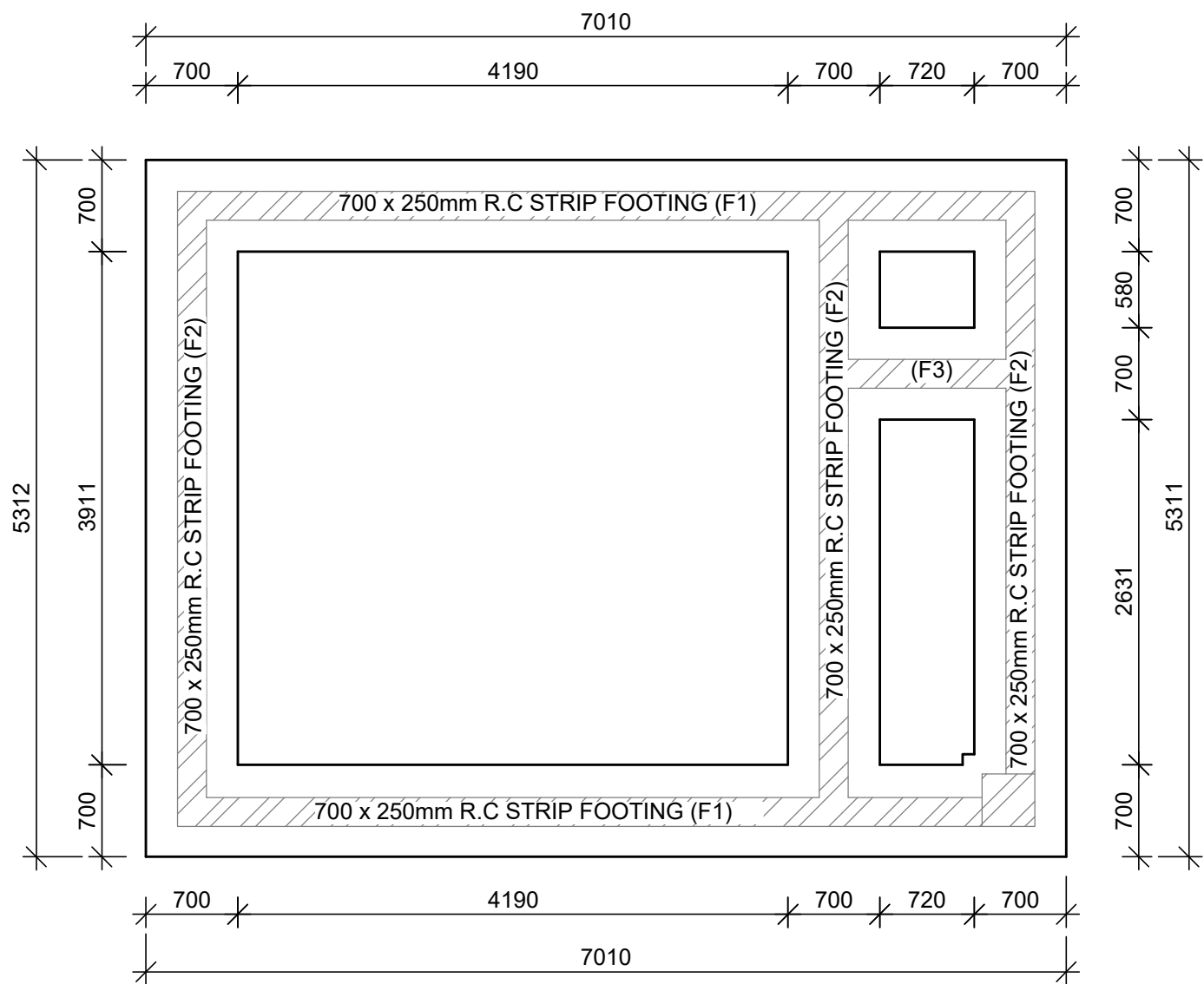




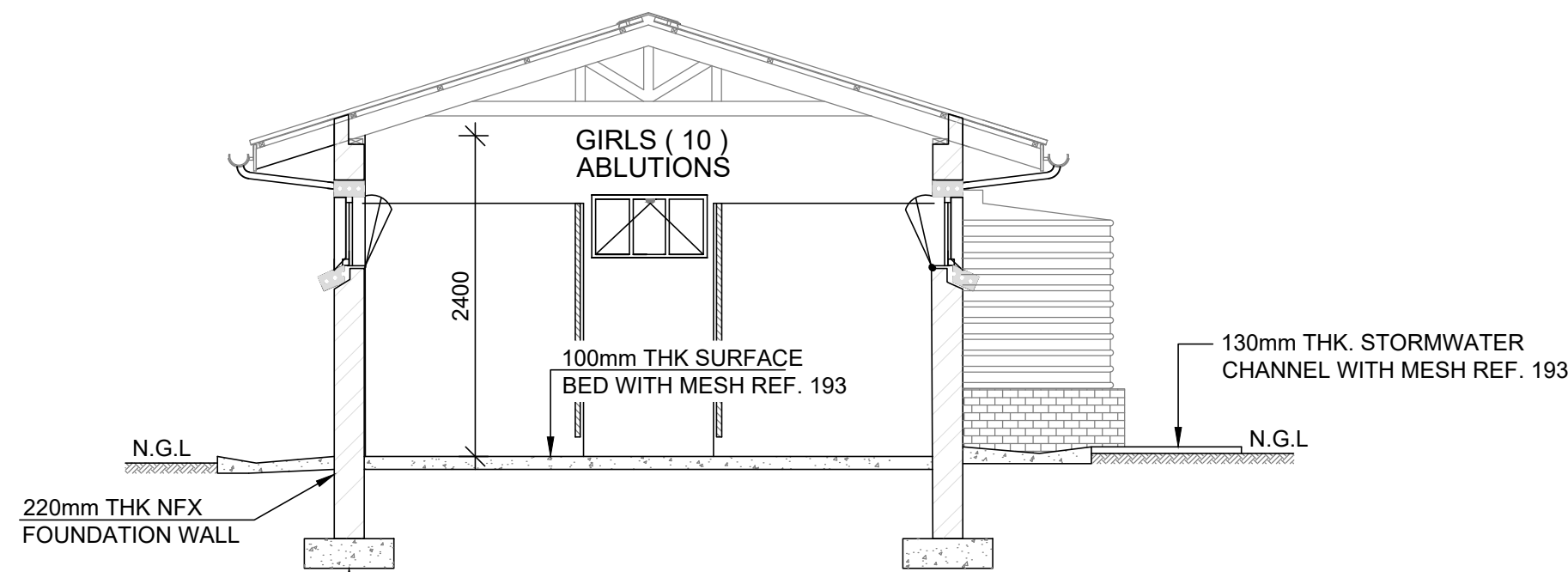
TYPE: 6G SURFACE BED LAYOUT
SCALE 1 : 50



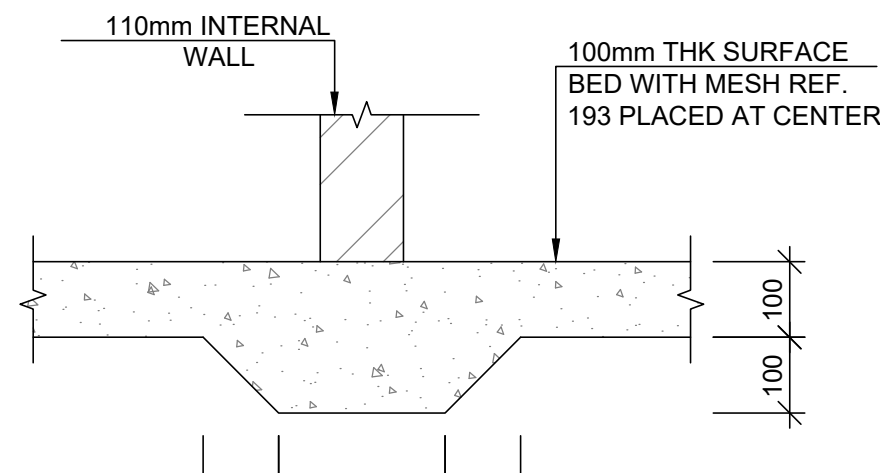
TYPICAL STRIP FOOTING DETAIL
SCALE 1:20



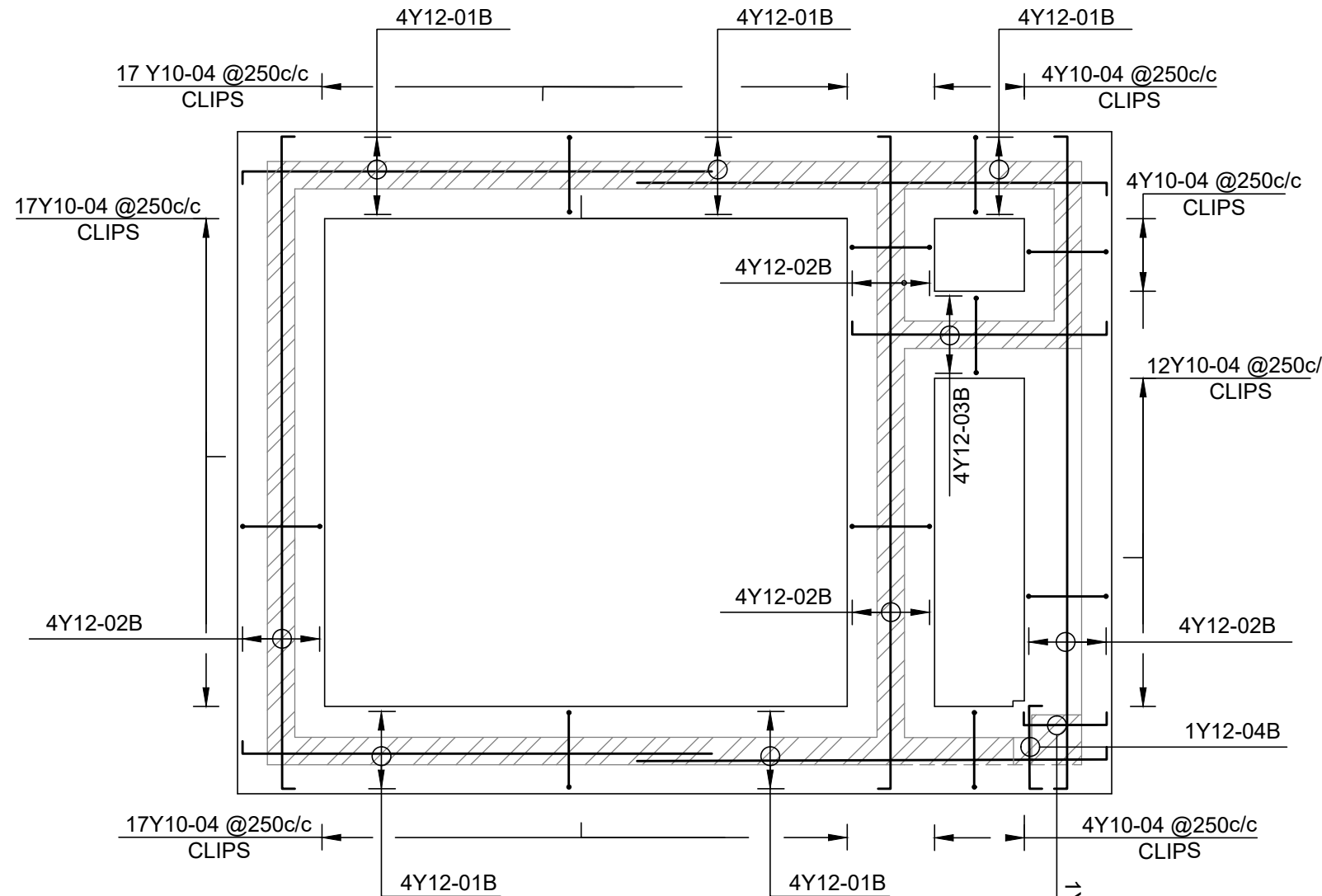
TYPE: 6G FOUNDATION LAYOUT
SCALE 1 : 50



SECTION A-A THROUGH PIT
SCALE 1:50

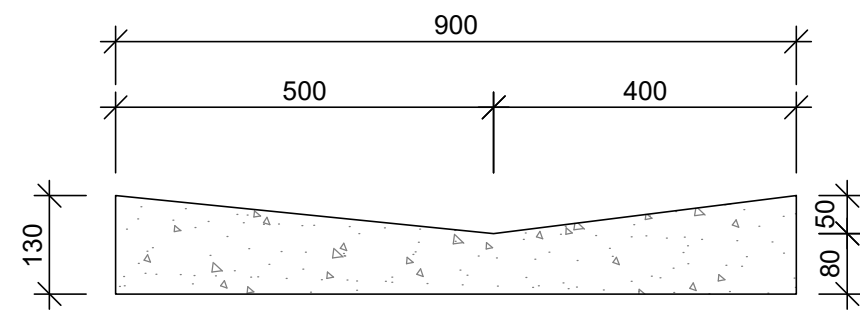


SURFACE BED THICKENING
SCALE 1:10

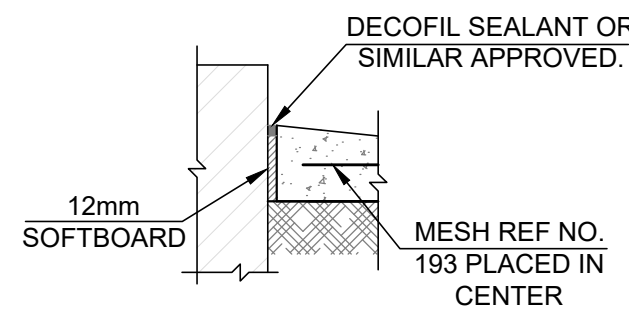


TYPE: 6G REINFORCEMENT LAYOUT
SCALE 1 : 50

TYPE 6G ABLUTION BLOCK	STRUCTURAL MEMBER	BAR MARK	TYPE & SIZE	MEMBER	No OF MEMBERS	No IN EACH	TOTAL NUMBER	CUT LENGTH mm	SHAPE CODE	DIMENSIONS						TOTAL LENGTH m	REVISION
										A	B	C	D	E	F/R		
FOUNDATIONS	01	Y12	F1	2	8	16	3970	34	3870	0	0	0	0	0	0	31.76	
	02	Y12	F2	3	4	12	5330	34	5230	0	0	0	0	0	0	63.96	
	03	Y12	F3	1	4	4	2140	34	2040	0	0	0	0	0	0	8.56	
	04	Y10		1	74	74	820	34	620	0	0	0	0	0	0	53.28	
	05	Y10	F4	1	2	2	905	34	665	0	0	0	0	0	0	1.81	



STORMWATER CHANNEL DETAIL
SCALE 1:10



DETAIL 2 EXPANSION JOINT
SCALE : 1:10

GENERAL NOTES:

1. READ THE DRAWINGS IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.

2. NO DEVIATION FROM THE DETAILS ON THE DRAWING WILL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

3. THESE DRAWINGS MAY NOT BE COPIED OR RE-USED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

4. IN GENERAL, CONCRETE (STRUCTURAL) SHALL COMPLY WITH SABS 1200-1982.

5. CONCRETE CLASS:
MASS CONCRETE & SCREED - CLASS C 15/19
BLINDING LAYER (COLUMN BASE) - CLASS C 15/19
STRIP FOOTINGS (BRICK WALLS) - CLASS F 30/19
TRENCHES - CLASS F 30/19
SURFACE BEDS - CLASS F 30/19

6. SURFACE FINISHES:

FORMED SURFACES:
UNEXPOSED SURFACES - ROUGH.
EXPOSED SURFACES - SMOOTH.
UNFORMED SURFACES:
FLOOR SURFACE - WOOD FLOATED.
TOP OF WALLS - STEEL TROWELLED.
FLOORS OF TRENCHERS ENTRANCE RAMPS, - WOOD FLOATED.
ALL EXPOSED SHARP CORNERS SHALL BE CHAMFERED AS FOLLOWS:
ALL CORNERS (EXCEPT WHERE OTHERWISE SHOWN) - 25x25mm

7. 75mm BLINDING LAYER UNDER ALL FOUNDATIONS.

8. CONCRETE COVER TO REINFORCEMENT:

STRIP FOOTINGS -40mm
GROUND FLOOR SLABS -30mm

9. ALL FOUNDATIONS EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE PLACING OF REINFORCEMENT OR CASTING OF CONCRETE. IF THE FOUNDING LEVEL AS PER DRAWING IS NOT SUITABLE, FURTHER EXCAVATIONS SHALL BE DONE TO A DEPTH AS DETERMINED BY THE ENGINEER ON SITE. THE ENGINEER MAY INSTRUCT THAT CERTAIN EXCAVATIONS BE BACKFILLED WITH MASS CONCRETE TO REQUIRED LEVEL. (CLASS AS PER ITEM 5 ABOVE).

10. LAP AND ANCHORAGE LENGTH 50 x DIAMETER OF REINFORCEMENT.

11. AFTER PLACING, ALL REINFORCEMENT MUST BE CHECKED AND APPROVED BY THE ENGINEER ON SITE BEFORE CASTING OF CONCRETE.

12. NO HOLES OR NOTCHES SHALL BE CUT, CHIPPED OR FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.

13. DURING COLD OR WET WEATHER CONCRETE MUST BE HANDLED IN ACCORDANCE WITH SPECIFICATIONS.

14. FOUNDATIONS :
STRIP FOOTING TO BE ESTABLISHED BELOW SOIL COVER INTO COMPETENT BEDROCK.
PERMISSIBLE BEARING PRESSURE FOR STRIP FOOTINGS IS 100KPA

15. BACKFILL :
SELECTED / FILL BENEATH SURFACE BEDS TO BE SELECTED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO 95% MOD. AASHTO DENSITY.
PLACE 250 MICRON PVC DAMP PROOFING UNDERNEATH SURFACE BED ON 50mm SAND ON APPROVED FILLING TREATED WITH TERMITE POISON.

17. ALL STEEL WORK HOT DIP GALVANISED.

18. BRICKWORK :

18.1 IN GENERAL BRICK WALLS SHALL COMPLY WITH SABS 0400-1990

18.2 BRICKFORCE:

BRICKFORCE TO BE PLACED IN EVERY 4th LAYER AND IN EVERY LAYER FOR 3 LAYERS ABOVE AND BELOW CONCRETE SLABS, DOORS AND WINDOW OPENING MINIMUM LAP LENGTH 150mm

18.3 PROVIDE BRICKFORCE IN EVERY LAYER FOR ALL FOUNDATION BRICK WALLS

ETHEKWINI WATER AND SANITATION



DESIGN BRANCH

eThekweni Municipality



DESIGN CONSULTANT



ADDRESS : 62 Old Main Road Kioof 3610
Contact Details : TEL : (031) 003 4270 FAX : (086) 003 4271 Email : info@vuvamu.co.za

FUNCTION	NAME	SIGNATURE
DESIGNED BY	L. MASIMULA	
DRAWN BY	M. MTHEMBU	
DESIGN CHECKED BY	A. XOXWA	
DRAWING CHECKED BY	S. MBUTHUMA	
APPROVAL - CONSULTANT		
NAME	S. MBUTHUMA	SIGNATURE
DATE		PROFESSIONAL REG No. 2018300301

SCALE AS SHOWN

SHEET SIZE A1

CONSTRUCTION INFORMATION	
MAIN LAYER	
START DATE	
FINISH DATE	
W/O NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
GIS INFORMATION	
DATE RECEIVED	
NAME	

Rev. No. Date Description Drawn

NOTE: No construction work to commence until land and servitude acquisitions have been completed

Acquisitions completed:

Date: Engineer:

UNDERGROUND SERVICES CHECKED -

SERVICE DATE SIGNATURE

S.W. DRAINS

SEWERS

WATERMANS

TELKOM CABLES

ELECTRIC CABLES

S.A.R. CABLES

F.S.C. CABLES

OIL PIPE LINE

NOTE: Only underground services affected by new construction are shown. Care must be taken during excavations for road foundations, trenches etc., to avoid damage to underground services such as sewers, drains, cables, water mains and corrections. Wherever possible these must be located before work begins.

Contract No. XXX

Project No. S_0XXX_001

Planning Unit

Ward No.

Project Title

ETHEKWINI WATER & SANITATION

PROVISION OF WATER & SANITATION

SERVICES TO INFORMAL

SETTLEMENTS

IN ETHEKWINI

Drawing Title

UMNINI PRIMARY SCHOOL

TYPE: 6G FOUNDATION,

REINFORCING LAYOUTS AND

BENDING SCHEDULE

Drawing No. S-0XXX-001-VUV_S-010-001

Sheet 1 of 1

Rev. T0

FOR TENDER