

MALAWI GOVERNMENT

BUILDINGS DEPARTMENT PRIVATE BAG B 365 LILONGWE 3.

Tel. 01 788 742 Fax 01 788 259 E-mail buildings department @ malawi.net

STRUCTURAL DRAWINGS

FOR

THE CONSTRUCTION OF

KALINYEKE WEIGH BRIDGE

CLIENT:

THE DIRECTOR FOR ROAD TRAFFIC

AND SAFETY SERVICES

SUBMITTED BY:

BUILDINGS DEPARTMENT

DATE:

SEPT. 2022

GENERAL CONSTRUCTION NOTES

GENERAL

- A1. ALL STRUCTURAL DRAWINGS AND SKETCHES MUST BE READ IN
 CONJUNCTION WITH RELEVANT ARCHITECTS AND SERVICES ENGINEERS
 AND SPECIALIST DRAWINGS. WHERE DISCREPANCIES OCCUR, THESE ARE
 TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND/OR
 ENGINEERS FOR RESOLUTION PRIOR TO EFFECTING CONSTRUCTION.
- A2. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS ARE TO BE CHECKED ON SITE.
- A3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- A4. FOR DETAILS OF FLOOR SCREED AND FINISHES, WATERPROOFING E.T.C.
 AND CONCRETE FINISHES, SEE ARCHITECTS DETAILS.
- A5. THE STRUCTURAL ENGINEER SHALL NOT BE HELD LIABLE/RESPONSIBLE FOR ANY DRAWINGS NOT SUPERVISED BY HIM.

REINFORCEMENT

- B1. STEEL TO HAVE A MINIMUM YIELD STRESS OF BAR AS DESIGNATED:
 - $Y = 410 \text{ N/mm}^2$
 - BARS DESIGNATED "Y" TO BE THE DEFORMED TYPE BARS.
 - ACCORDING TO BS 4449 AND BARS ARE IN MILLIMETER SIZE.
 - "Y" DENOTES DEFORMED HIGH BOND HOT-ROLLED HIGH YIELD STRESS
 REINFORCEMENT TO BS 4449 AND 4461.
- B2. NOTATIONS USED AS FOLLOWS: 11 Y10 09 150 c/c B, IMPLY
 - 11 NUMBER OF BARS
 - Y10 TYPE AND DIAMETER OF BARS
 - 09 BAR MARK
 - 150 C/C SPACING OF BARS IN MILLIMETRES
 - B LOCATION OF BAR E.G. B BOTTOM, T TOP.
- B3. WHERE HOLES, FIXING, ETC. ARE REQUIRED, BARS MAY BE DISPLACED SLIGHTLY TO ACCOMODATE THESE BUT THEY MUST NOT BE CUT OR REMOVED.
- B4. WHERE TOP REINFORCEMENTS ARE REQUIRED ON SLABS, AND THERE EXISTS NO SPECIFICATIONS ON THE SLAB DETAILS, THE
 - **FOLLOWING GUIDES SHALL BE FOLLOWED:**
 - B4.1. FOR MAIN TOP BARS, USE DIA. 12mm BARS SPACED
 AT 150mm c/c
 - B4.2. FOR SECONDARY TOP BARS, USE DIA, 12mm BARS SPACED
 AT 200mm c/c

CONCRETE

- D1. ALL STRUCTURAL CONCRETE TO BE GRADE²⁰ IN FOUNDATIONS ALL STRUCTURAL CONCRETE TO BE GRADE²⁰ IN COLUMNS.

 ALL STRUCTURAL CONCRETE TO BE GRADE²⁰ IN ALL OTHER SUPERSTRUCTURAL ELEMENTS, UNLESS OTHERWISE STATED.
- D2. MINIMUM CEMENT AGGREGATE RATIO TO BE 1:6. MAXIMUM SIZE OF COARSE AGGREGATE TO BE 20MM.
- D3. ALL AGGREGATE TO BE SUITABLY GRADED AND APPROVED BY THE ENGINEER PRIOR TO USE IN CONSTRUCTION.
- D4. ALL CONCRETE TO BE SUITABLY AND FULLY COMPACTED AND CURED IN AN APPROVED MANNER TO THE SATISFACTION OF THE ENGINEER.
- D5. MINIMUM CONCRETE COVER TO MAIN REINFORCEMENT TO BE AS FOLLOWS:

FOUNDATION	l :		40MM,	COLUMNS	:		25MI
BEAMS	:		25MM,	SLABS	:		25MI
STAIRCASES	FT	TC.	25MM	UNI ESS OTI	HFR'	WISE STATE	FD

- D6. ALL MASS CONCRETE TO BE 1 : 3 : 6 MIX (CEMENT SAND COARSE AGGREGATE)
 ALL BLINDING TO BE 1 : 6 MIX (CEMENT- SAND AGGREGATE).
- D7. IN WATER-TIGHT CONSTRUCTION, JOINTS IN CONCRETE WORK ARE TO HAVE
 WATER BAR AND CONTRACTOR IS TO TAKE SPECIAL CARE WITH THE
 CONCRETE SO AS TO PRODUCE A WATER-TIGHT CONSTRUCTION.
 AN ADMIXTURE OF A PROPRIETARY BRAND MAY BE USED IF AGREED BY THE
 ENGINEER. HOWEVER, IF USED ADEQUATE CARE SHOULD BE EXERCISED THAT IT IS
 PLACED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- D8. ALL CONSTRUCTION JOINT POSITIONS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO

 CASTING WHERE NOT INDICATED ON THE DRAWING. THESE SHOULD NOT EXCEED 10.0m APART.
- D9. CONCRETE SHALL NOT BE POURED THROUGH REINFORCING STEEL SO AS TO CAUSE
 SEGREGATION OF AGGREGATES. HOPPERS, VERTICAL CHUTES OR TRUNKS SHALL BE
 USED IN SUFFICIENT NUMBERS SO THAT THE FREE UNCONFINED FALL OF CONCRETE
 SHALL NOT EXCEED 1800mm & TO ENSURE THAT THE CONCRETE IS KEPT LEVEL AT ALL TIMES.
- D10. BEFORE FRESH CONCRETE IS POURED AGAINST CONCRETE IN-PLACE, THE CONTACT SURFACES
 OF CONCRETE IN-PLACE SHALL BE THOROUGHLY CLEANED, ALL LAITANCE SHALL BE REMOVED
 & THE CONTACT SURFACES SHALL BE THOROUGHLY SLOSHED WITH GROUT CONSISTING OF
 ONE PART SAND TO ONE PART CEMENT WITH A MINIMUM AMOUNT OF WATER.
- D11. CONCRETE CAST ON SLOPED SURFACES SHALL BEGIN AT THE LOWEST ELEVATION & CONTINUE MONOLITHICALLY TOWARD THE HIGHER ELEVATION UNTIL THE INTENDED POUR IS COMPLETED.

FOUNDATION

- H1. THE ALLOWABLE SOIL BEARING CAPACITY IS 110 KN/M2. ASSUMED FOR DESIGN PURPOSES ONLY. MIGHT CHANGE TO SUIT SITE CONDITIONS
- H3. SITE PREPARATION AND TREATMENT TO BE CONFIRMED ON SITE BY SUPERVISING ENGINEER AT COMMENCEMENT OF FOUNDATION CONSTRUCTION.
- H4. RELATIONSHIP OF THE GROUND FLOOR SLAB, EXISTING GROUND LEVEL AND
 THE FOUNDATION FORMATION LEVEL ARE TO BE CONFIRMED ON SITE AND
 APPROVED PRIOR TO CONSTRUCTION OF THE FOUNDATION.

BLOCKWORK

- E1. CAVITIES OF HOLLOW BLOCKWALLS BELOW GROUND SLAB LEVEL ARE TO

 BE FILLED WITH MASS CONCRETE. BACKFILLING TO EXCAVATED TRENCHES

 ARE TO BE CARRIED OUT SIMULTANEOUSLY ON BOTH SIDES OF WALL.
- E2. THE WALL THICKNESS OF THE BLOCKS SHOULD NOT BE MORE THAN 25mm.
- E3. THE MINIMUM CRUSHING STRENGTH OF THE NON-LOAD BEARING HOLLOW

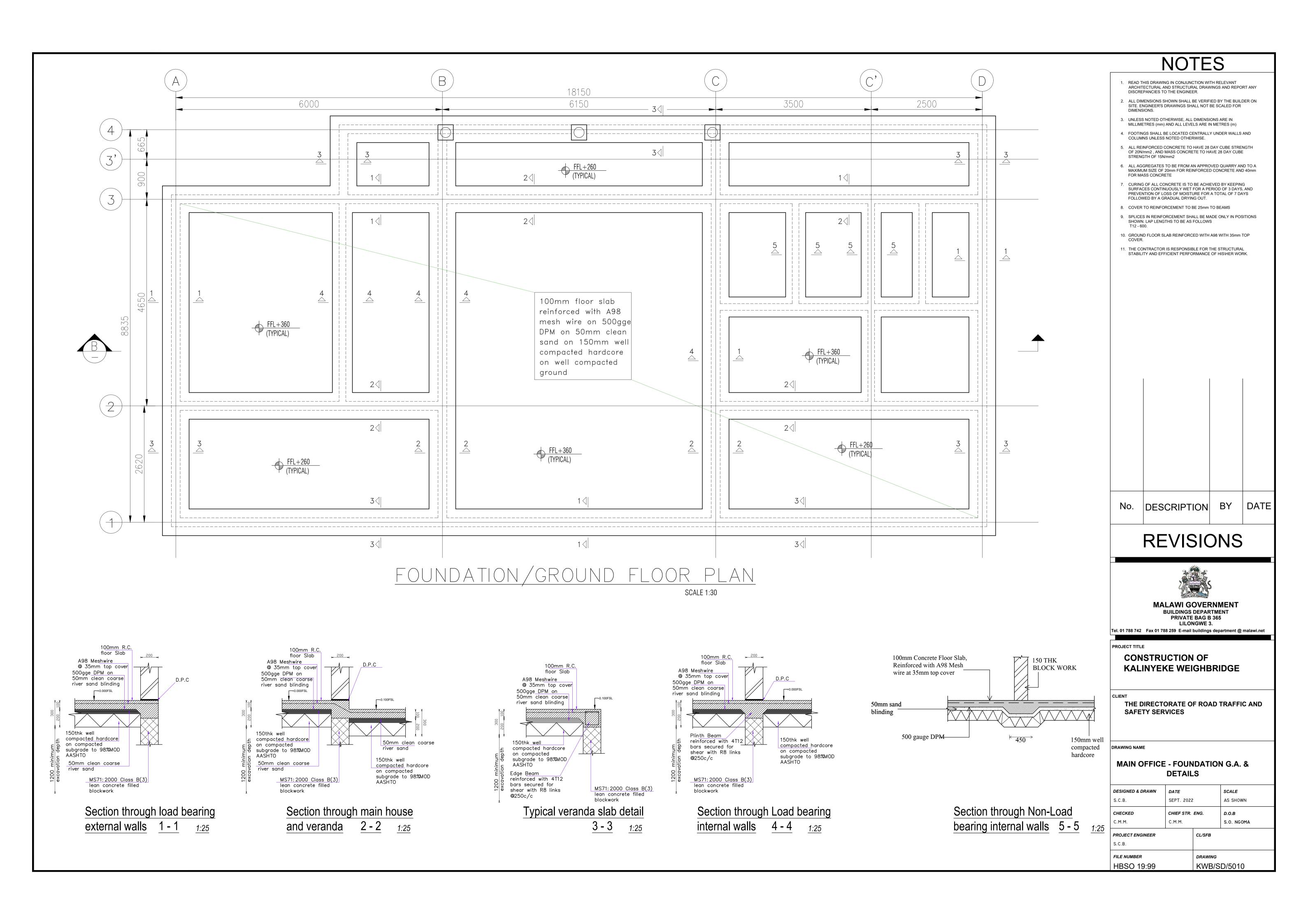
 SANDCRETE BLOCKS IS TO BE 2.1 N/mm2 OF THE GROSS AREA OF BLOCK AT 28 DAYS.
- E4. BLOCKWORK TIES BETWEEN BLOCKWALLS AND COLUMNS/STANCHIONS ARE TO BE PROVIDED AT EVERY COURSE. TIES TO BE 6mm BAR STRAPS 700mm LONG INTO THE BLOCKWORK.
- E5. MAXIMUM POUR HEIGHT FOR ALL FILLED BLOCKWORK TO BE 2 COURSES AT A TIME.
- E6. ALL LOAD-BEARING SANDCRETE HOLLOW BLOCKWALLS TO HAVE A MINIMUM STRENGTH
 OF 2.76 N/MM2 OF NETT AREA OF BLOCKWALL AT 28 DAYS.
- E7. BLOCKWORK INDICATED THUS ON THESE DRAWINGS ARE LOAD BEARING
 AND ARE TO BE CONCRETE FILLED TO THE SPECIFIED OR SHOWN LEVEL(S) WITH
 CONCRETE AS IN D1 WITH 10MM MAXIMUM COARSE AGGREGATE SIZE.
- E8. BLOCKWORK INDICATED THUS ON DRAWINGS ARE LOAD BEARING,
 CONCRETE FILLED AS IN D1 WITH 10MM MAX. COARSE AGGREGATE SIZE,
 AND WITH CAVITIES REINFORCED AS SPECIFIED.
- E9. CONCRETE FILLED LOAD-BEARING BLOCKWORKS ARE TO ACHIEVE A MINIMUM CRUSHING STRENGTH OF 6.5 N/MM2.

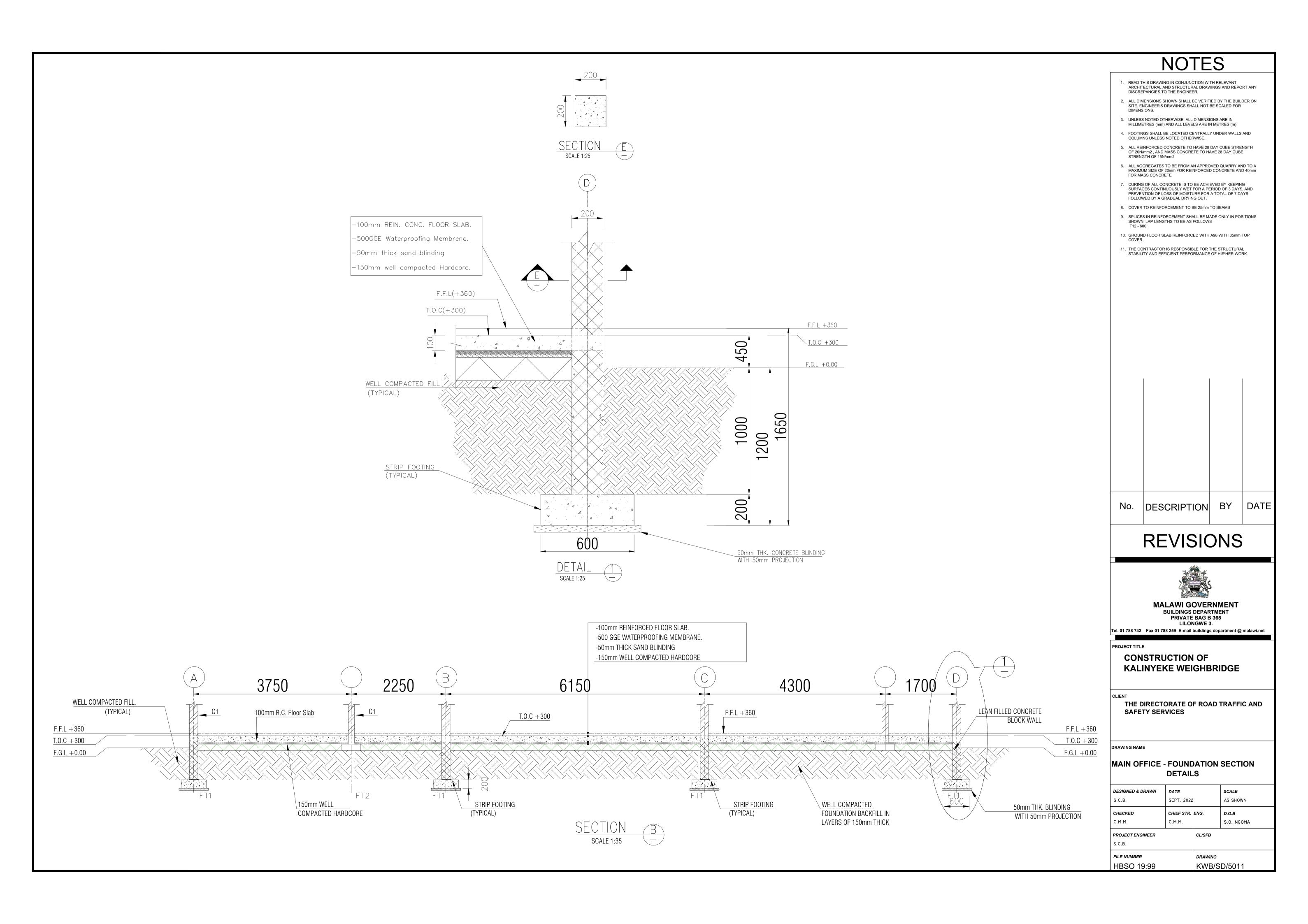
EARTHWORK

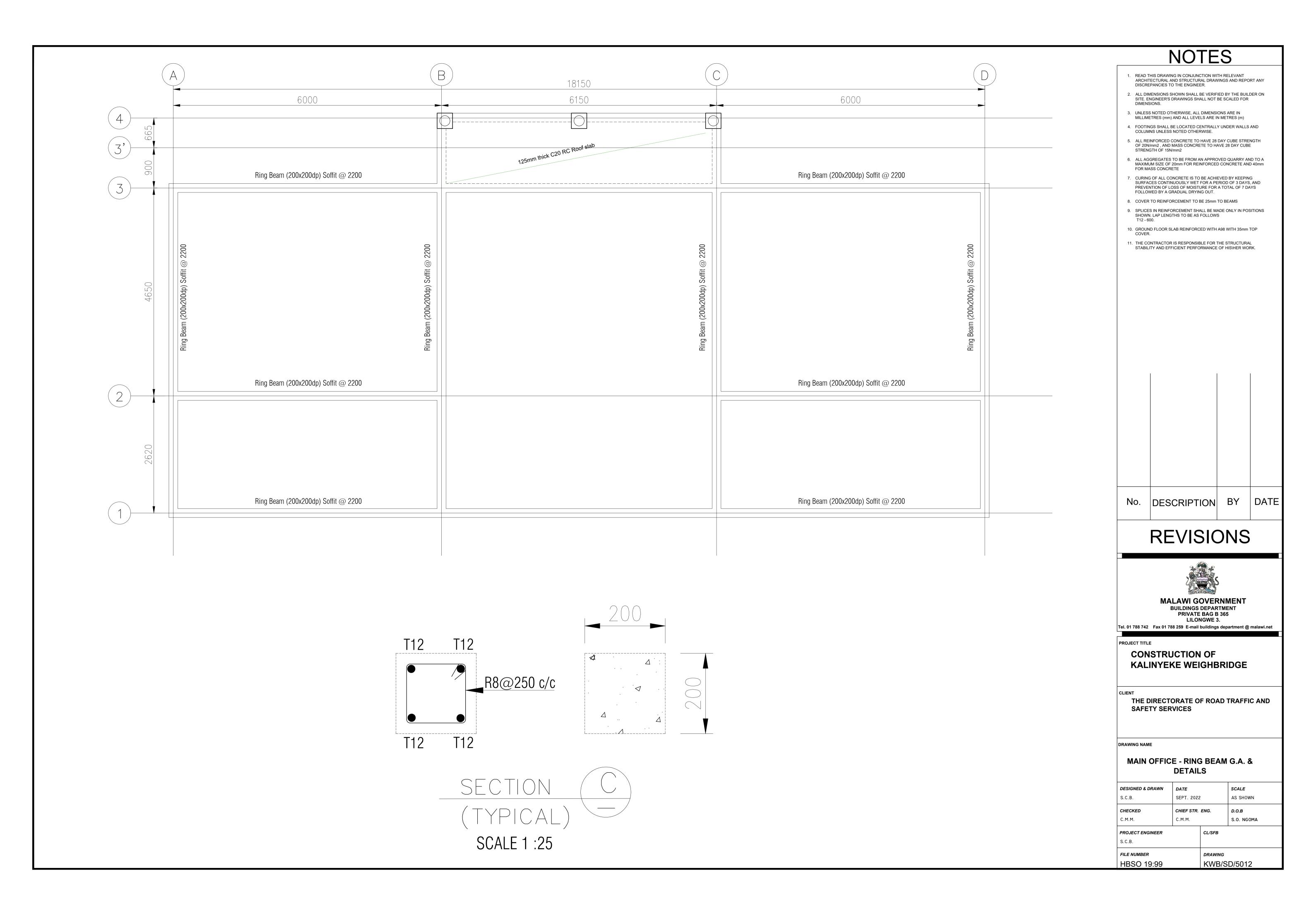
- G1. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SHORING AND BRACING OF
 THE BUILDING EXCAVATIONS & EMBANKMENTS, INCLUDING EXCAVATION FOR
 UTILITIES, AND IS ALSO FULLY RESPONSIBLE FOR THE DESIGN & PERFORMANCE
 OF SHORING AND BRACING DURING CONSTRUCTION.
- G2. CONTRACTOR SHALL COORDINATE THE EXTENT OF THE EXCAVATION, SHORING
 AND BRACING WITH CIVIL DRAWINGS. CONTRACTOR SHALL ALSO REFER TO
 CIVIL DRAWINGS, SPECIFICATIONS & GEOTECHNICAL REPORT FOR DEWATERING
 AND RELATED INFORMATION NOT COVERED IN THE STRUCTURAL DRAWINGS.
- G3. EARTHWORK COMPACTION SHALL BE IN ACCORDANCE WITH CIVIL DRAWINGS AND SPECIFICATIONS AS WELL AS WITH THE GEOTECHNICAL REPORT.

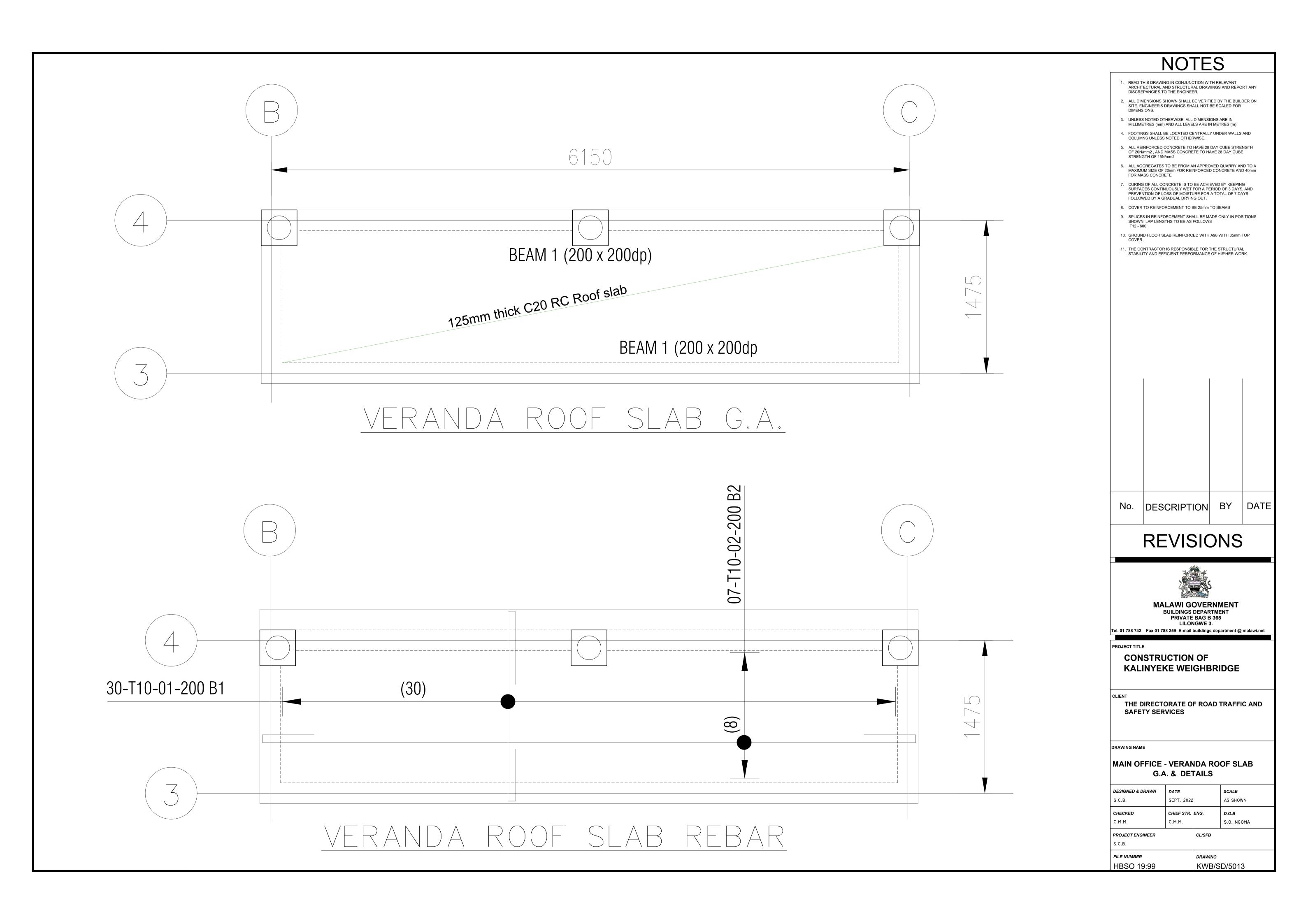
SITE PREPARATION

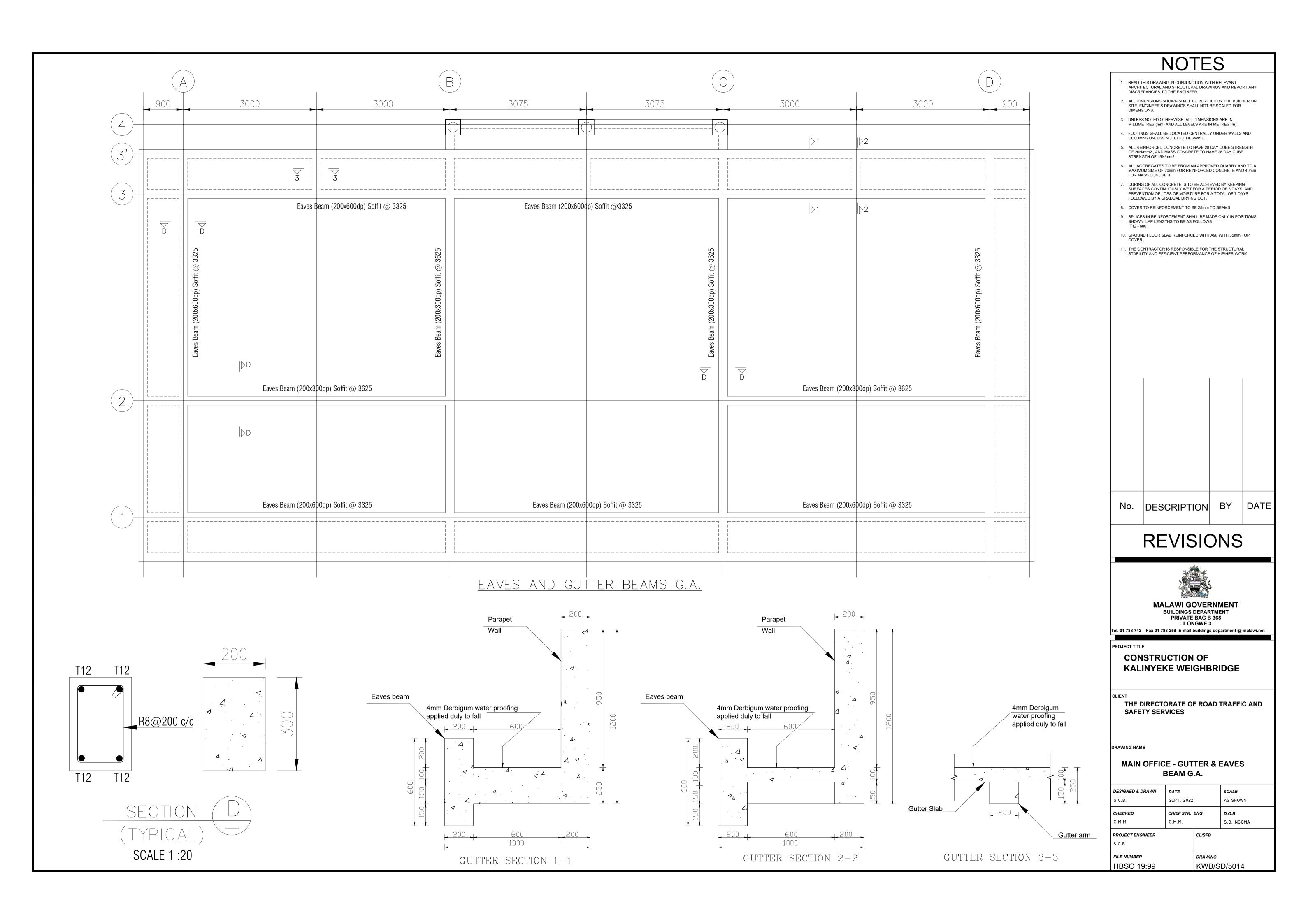
- J1. REMOVE ALL EXISTING TOPSOIL UNDER SLABS, PROVIDE 150mm WELL RAMMED
- J2. WHERE BAD GROUND IS ENCOUNTERED BELOW FOUNDATION LEVEL, THE
 DIFFERENCE IN LEVEL BETWEEN APPROVED BEARING STRATUM AND ORIGINAL
 LEVEL IS TO BE MADE UP USING MASS CONCRETE TO THE APPROVAL OF THE
 SUPERVISING ENGINEER.

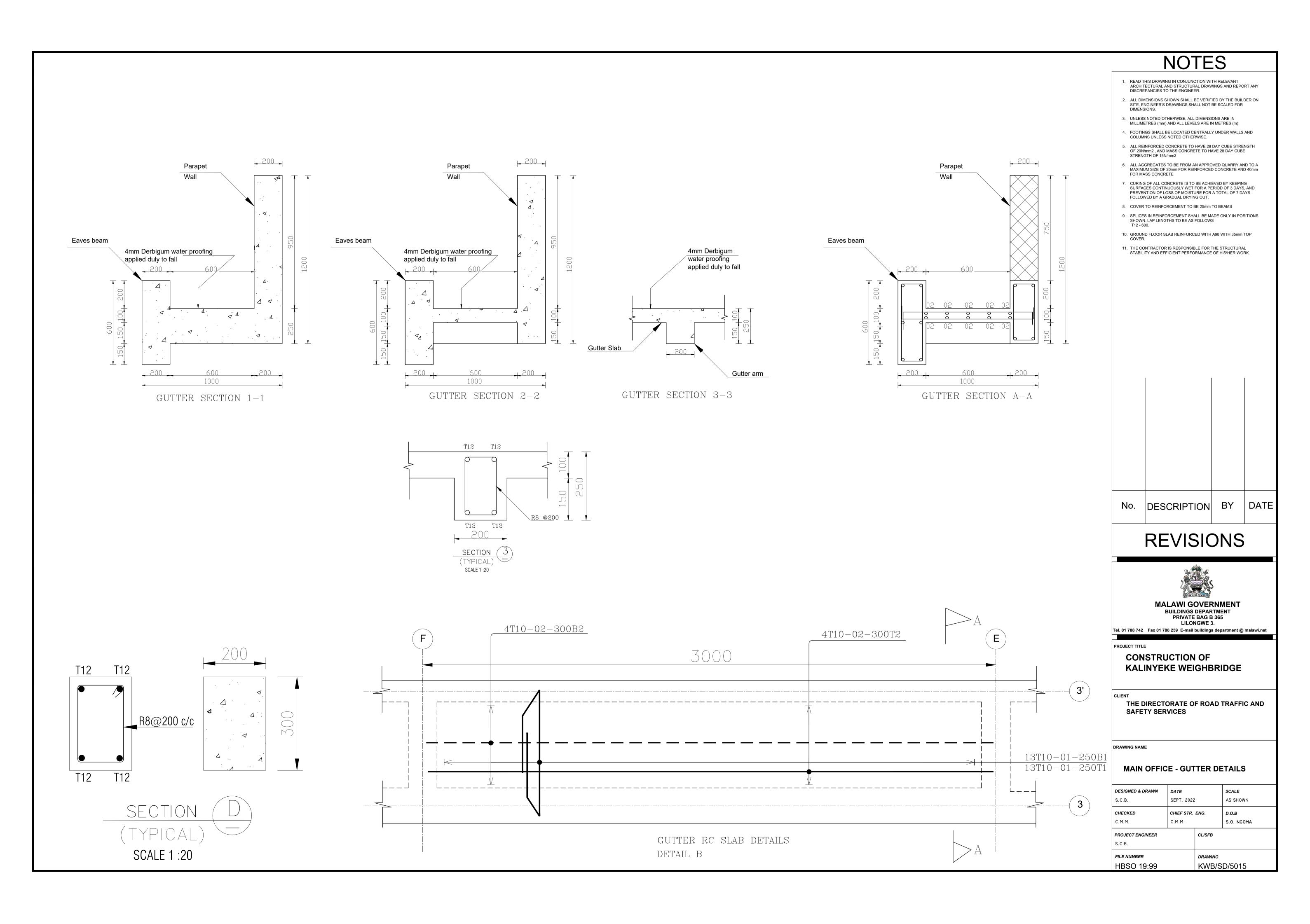


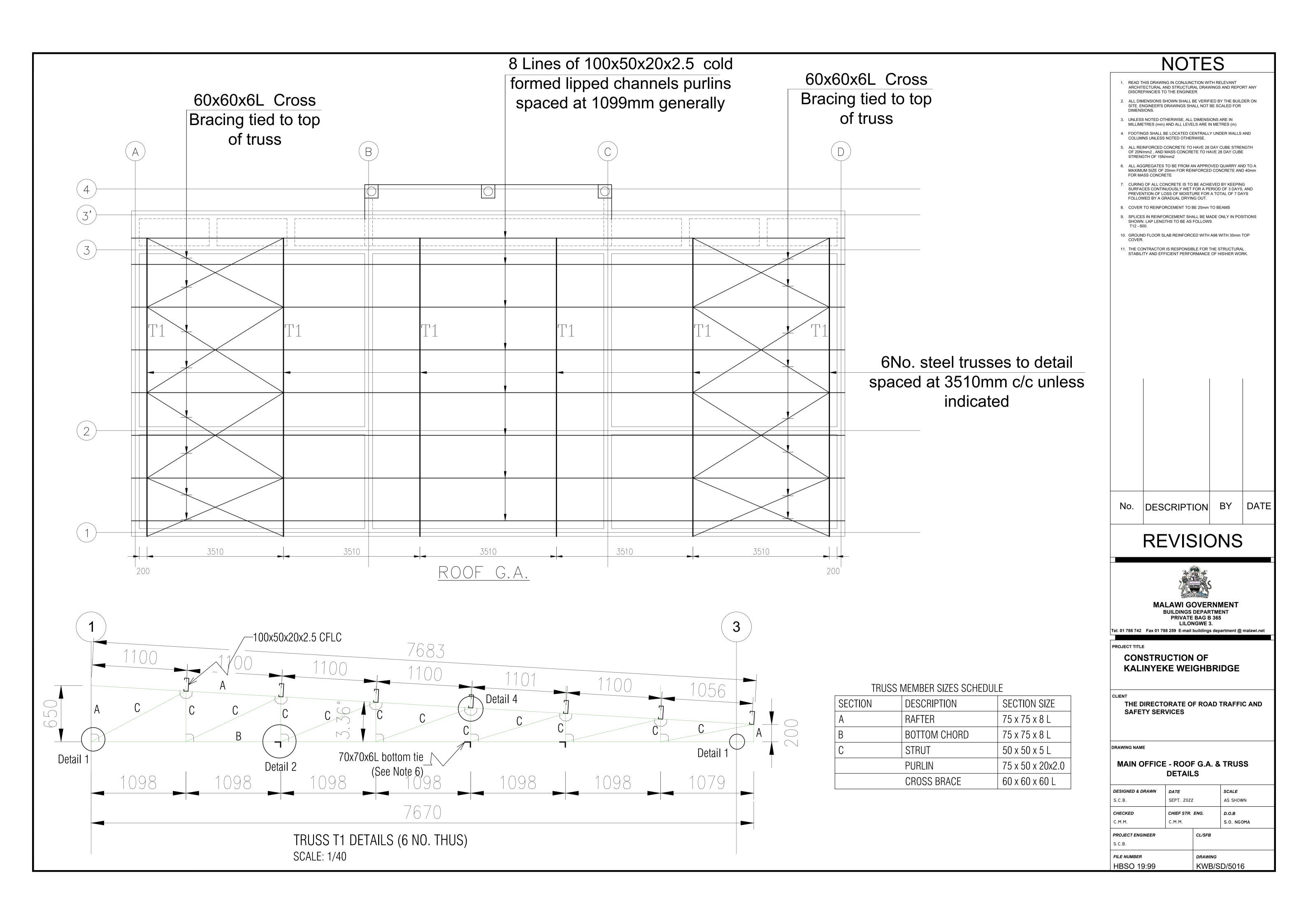


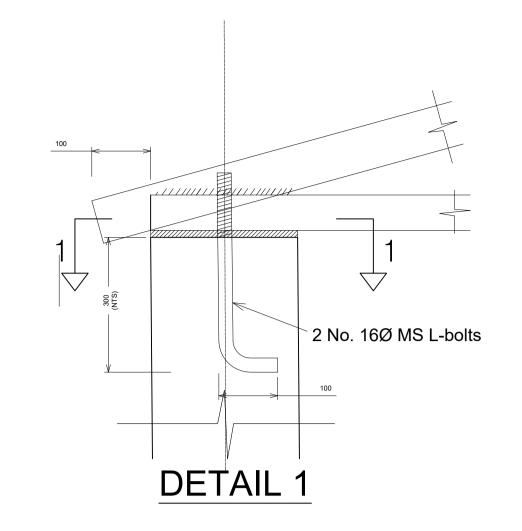


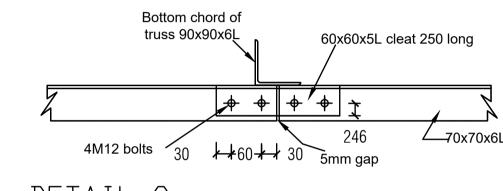




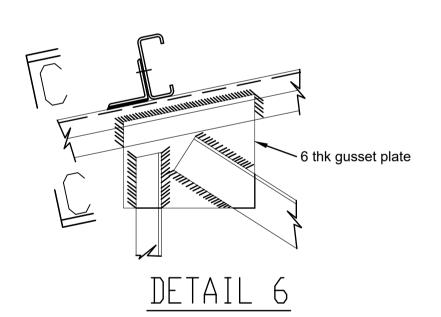


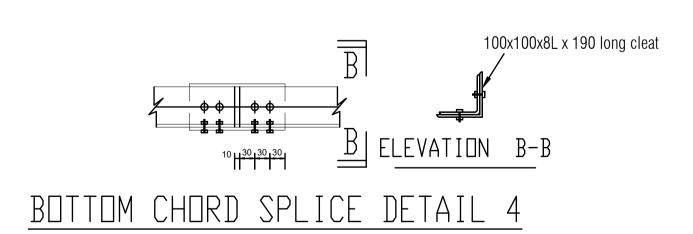




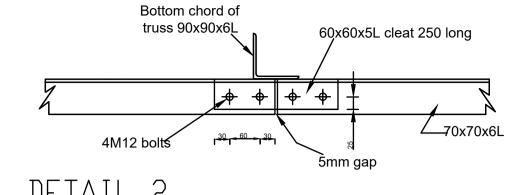


DETAIL 2 LONGITUDINAL TIE FIXING DETAIL

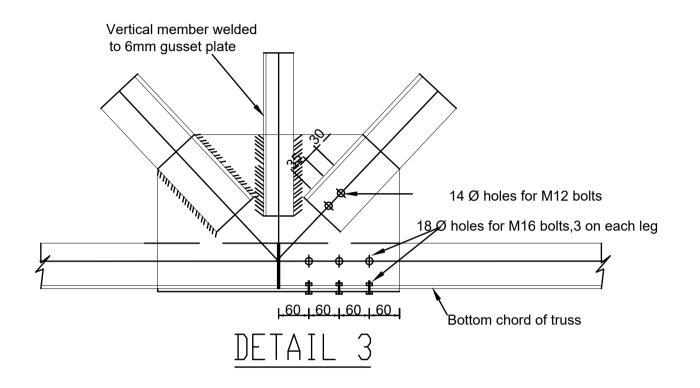


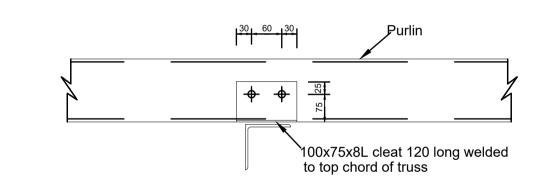


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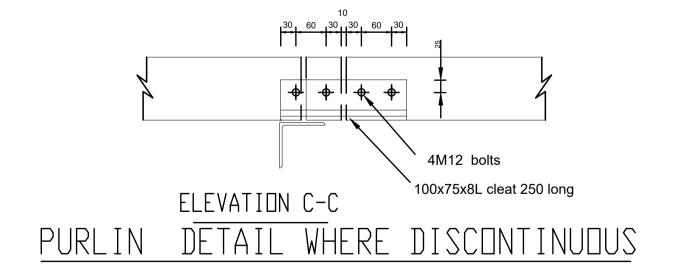


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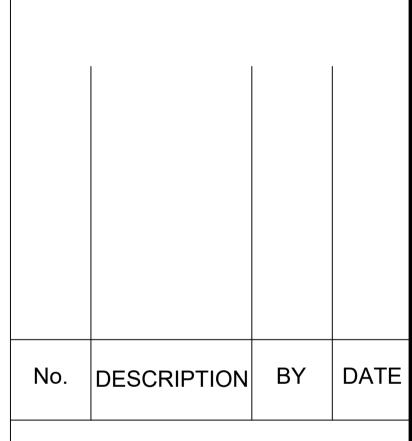


ELEVATION C-C CONTINUOUS PURLIN FIXING DETAIL



NOTES

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- 3. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN MILLIMETRES (mm) AND ALL LEVELS ARE IN METRES (m)
- 4. FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
- 5. ALL REINFORCED CONCRETE TO HAVE 28 DAY CUBE STRENGTH OF 20N/mm2 , AND MASS CONCRETE TO HAVE 28 DAY CUBE STRENGTH OF 15N/mm2
- 6. ALL AGGREGATES TO BE FROM AN APPROVED QUARRY AND TO A MAXIMUM SIZE OF 20mm FOR REINFORCED CONCRETE AND 40mm FOR MASS CONCRETE
- 7. CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS, AND PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT.
- 8. COVER TO REINFORCEMENT TO BE 25mm TO BEAMS
- 9. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN. LAP LENGTHS TO BE AS FOLLOWS T12 600.
- 10. GROUND FLOOR SLAB REINFORCED WITH A98 WITH 35mm TOP
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY AND EFFICIENT PERFORMANCE OF HIS\HER WORK.



REVISIONS



MALAWI GOVERNMENT
BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.

PROJECT TITLE

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

THE DIRECTORATE OF ROAD TRAFFIC AND **SAFETY SERVICES**

DRAWING NAME

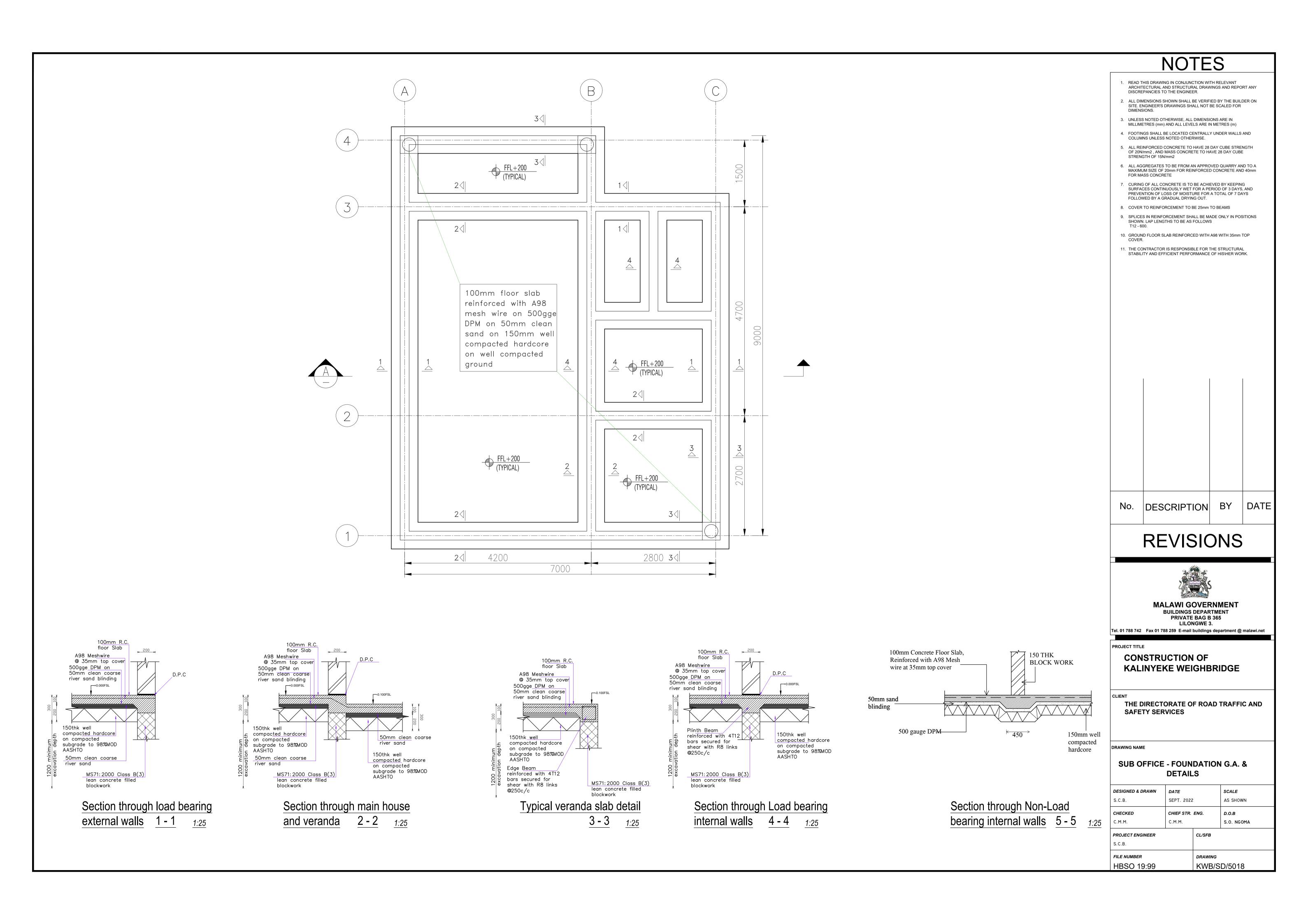
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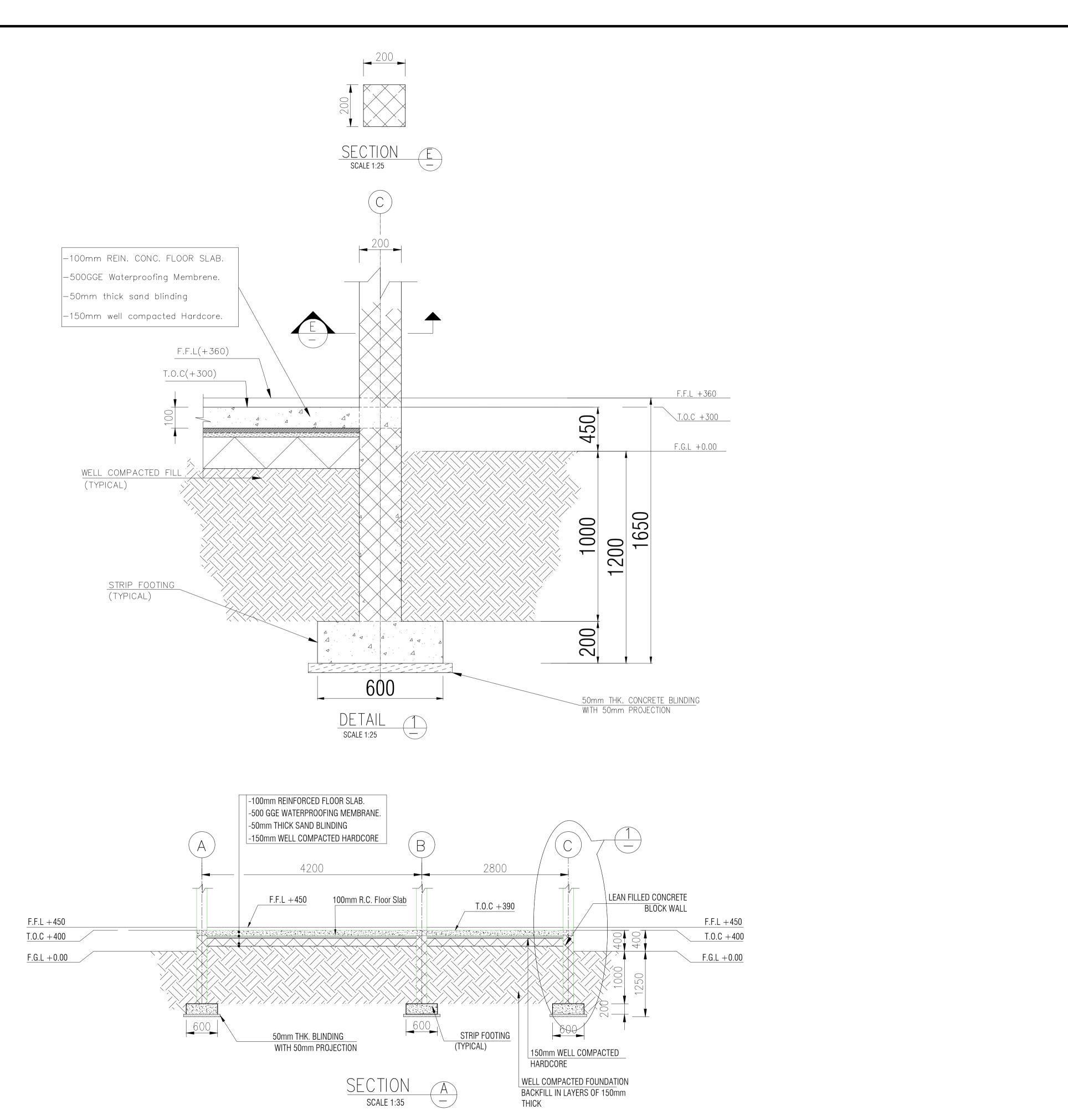
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MAIN OFFICE - ROOF CONNECTION **DETAILS**

DESIGNED & DRAWN	DATE		SCALE
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CHECKED	CHIEF STR.	ENG.	D.O.B
C.M.M.	C.M.M.		S.O. NGOMA
PROJECT ENGINEER		CL/SFB	
S.C.B.			

DRAWING





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DESCRIPTION BY DATE



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PRIVATE BAG B 365
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PROJECT TITLE

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

Tel. 01 788 742 Fax 01 788 259 E-mail buildings department @ malawi.net

CLIENT

THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

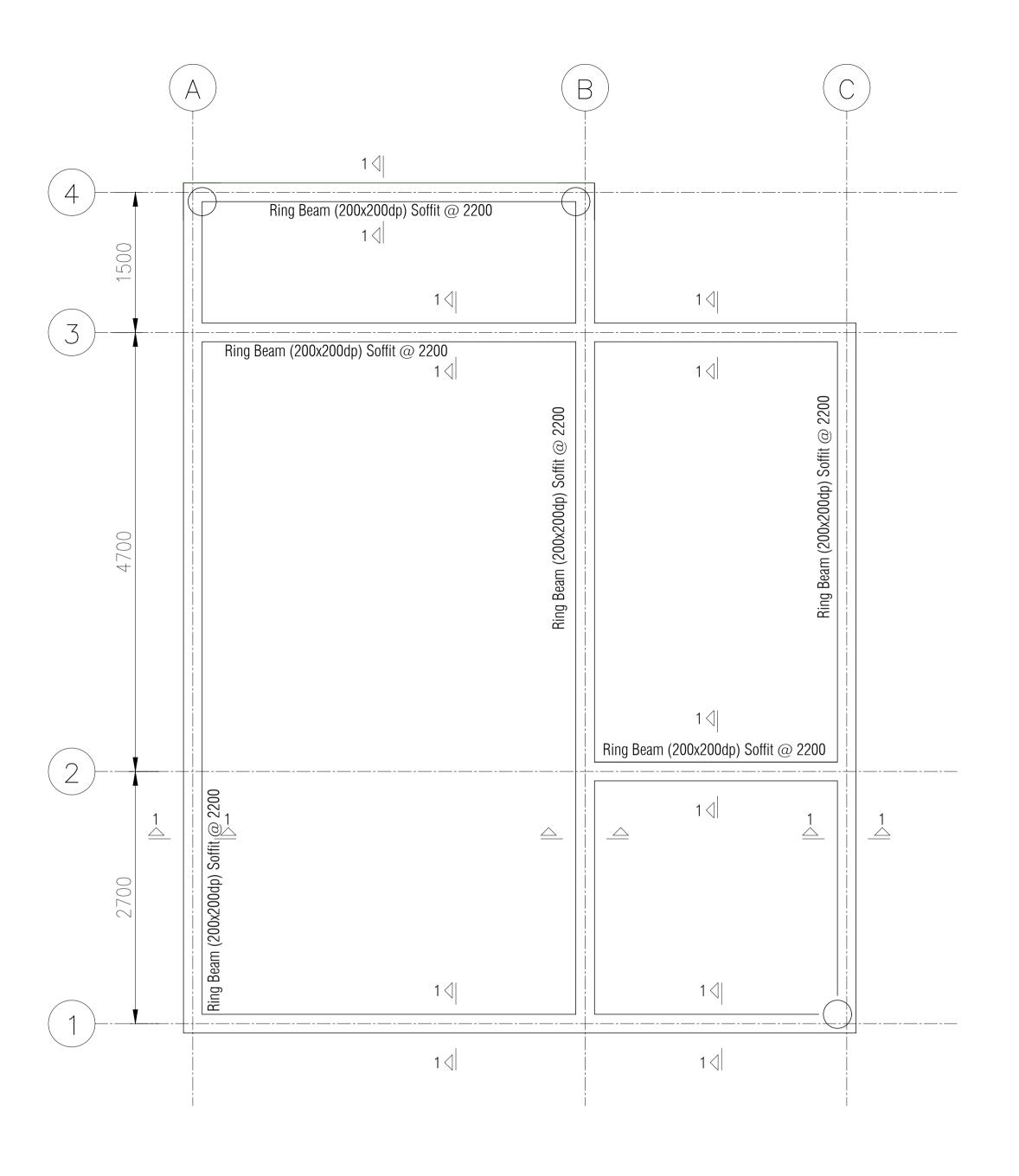
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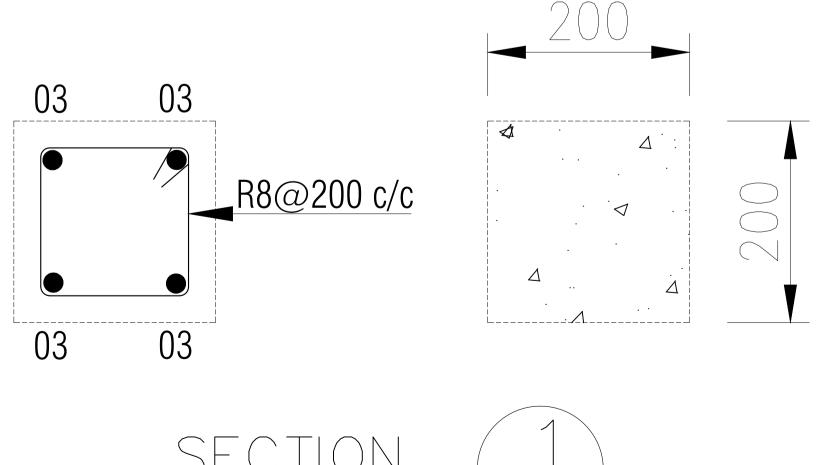
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PROJECT ENGINEER		CL/SFB		

PROJECT ENGINEER	
S.C.B.	

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BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.
Tel. 01 788 742 Fax 01 788 259 E-mail buildings department @ malawi.net

PROJECT TITLE

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

CLIENT

THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

DRAWING NAME

SUB OFFICE - RING BEAM G.A. & DETAILS

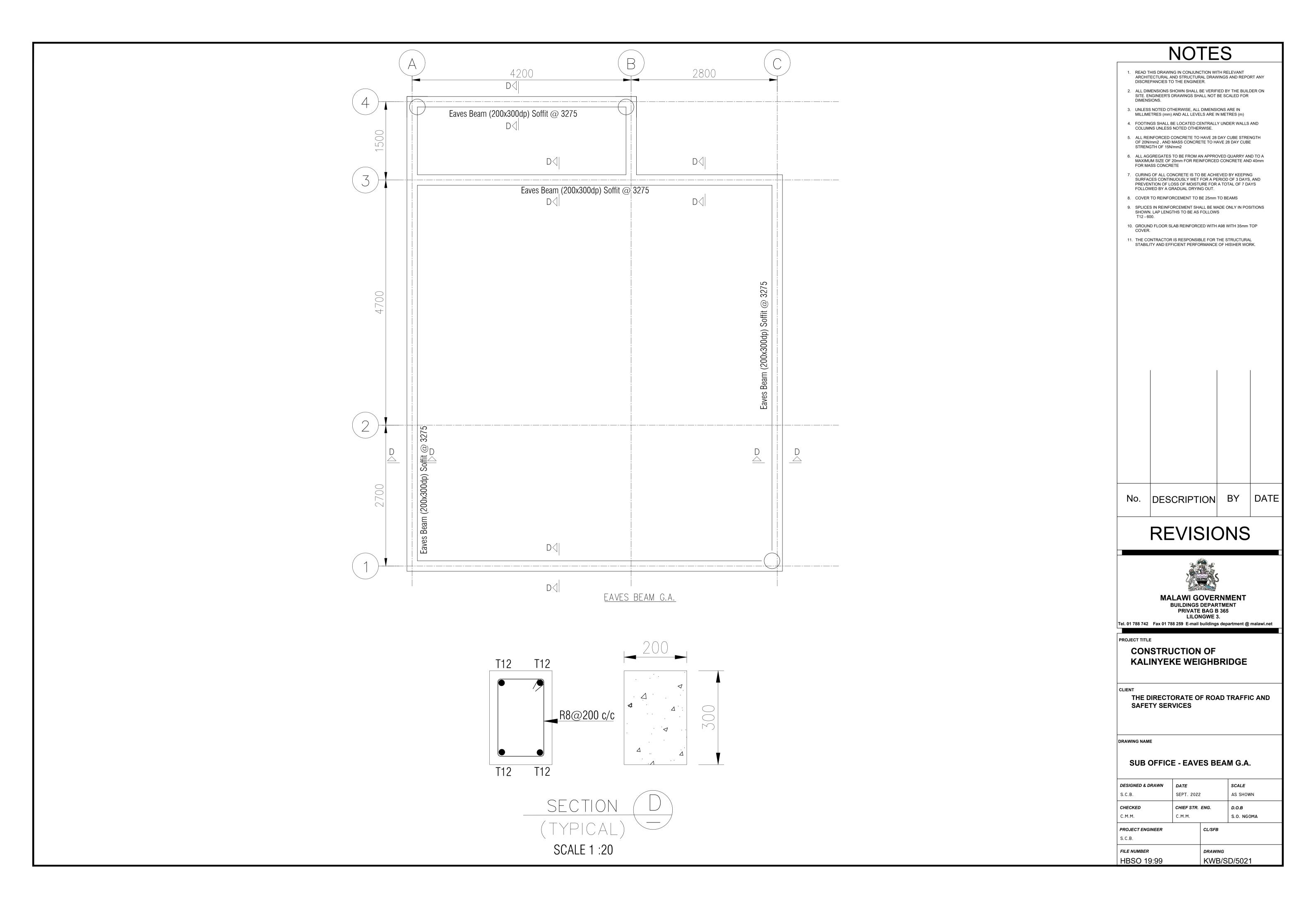
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PROJECT ENGINEER		CL/SFB		

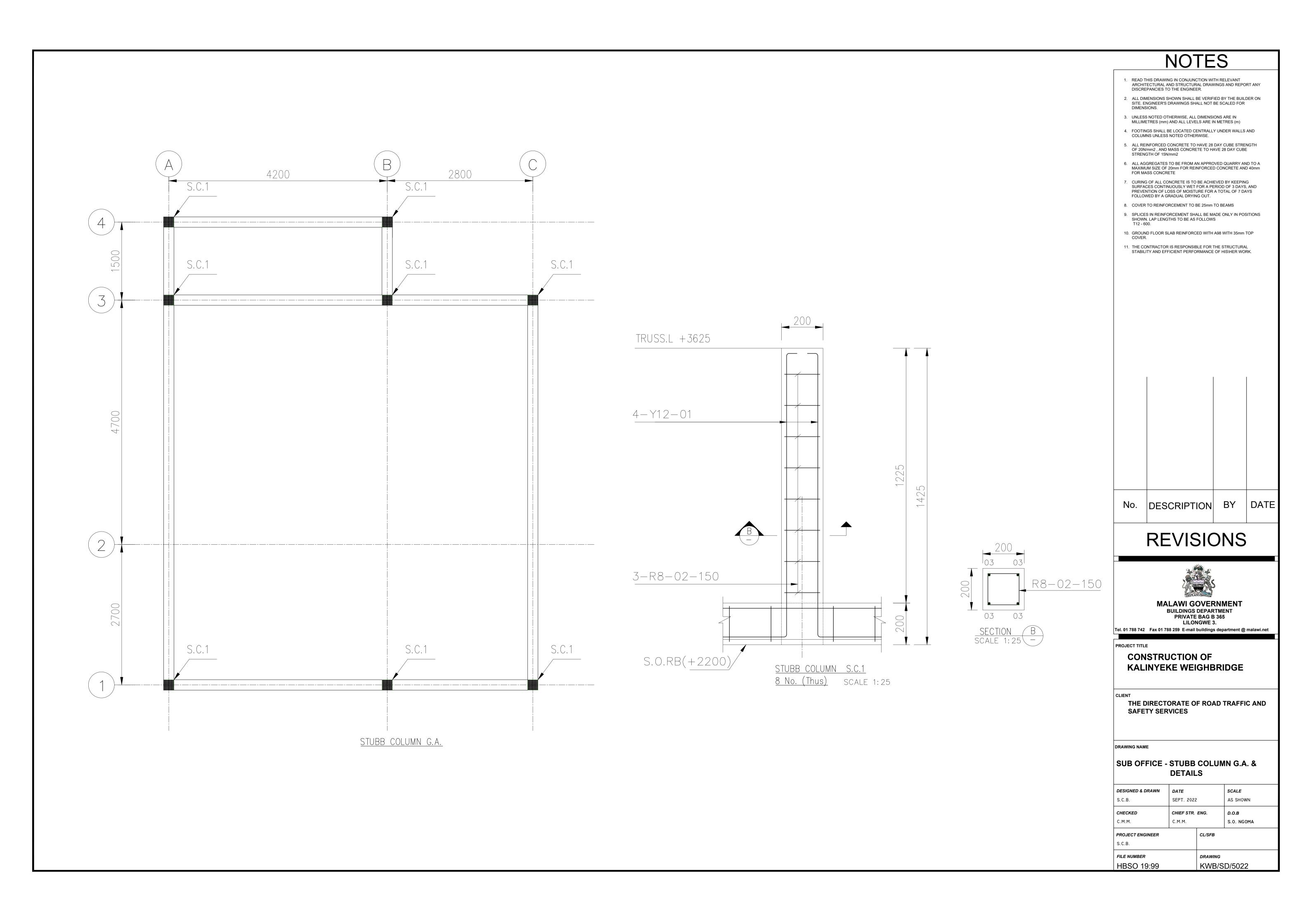
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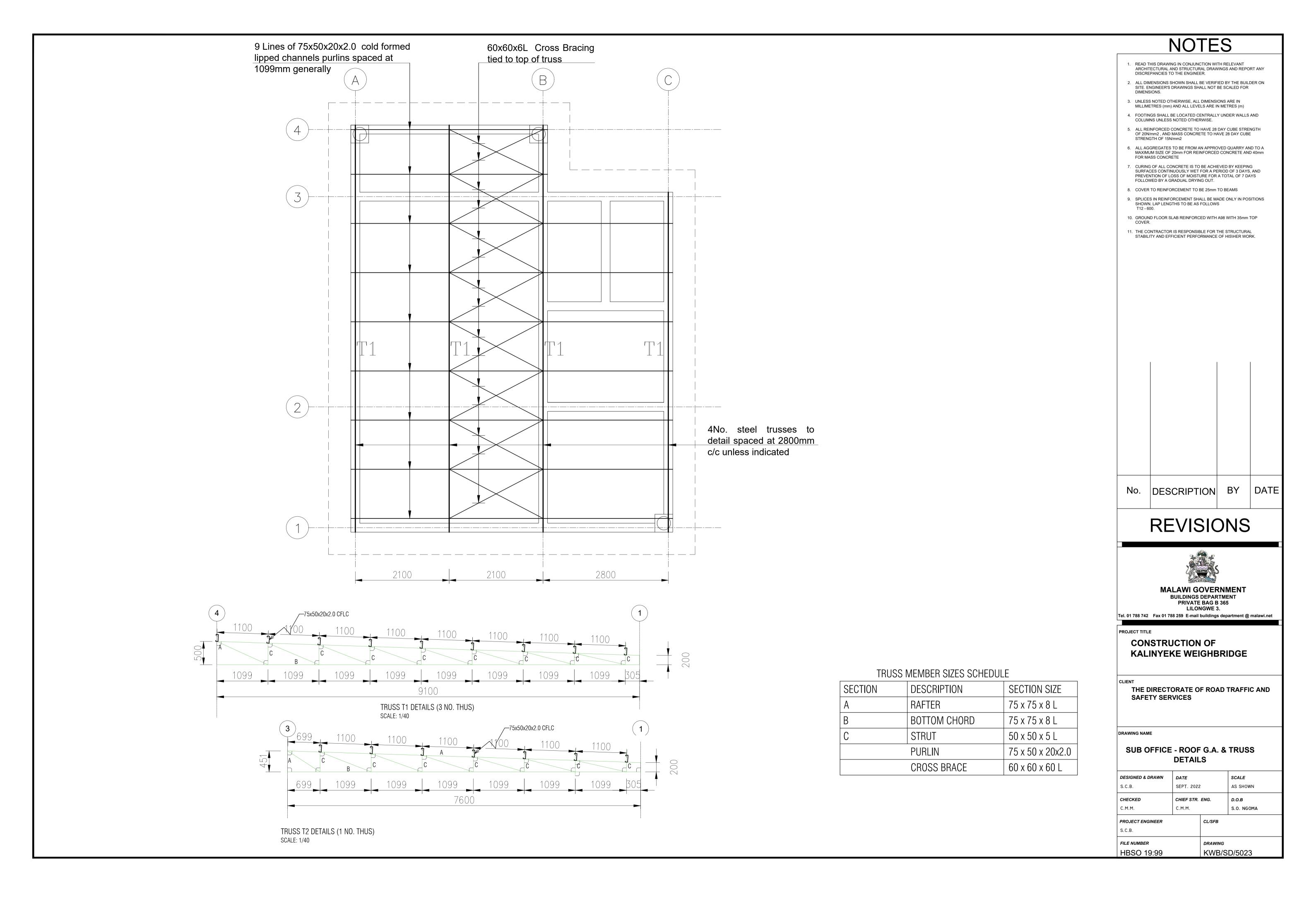
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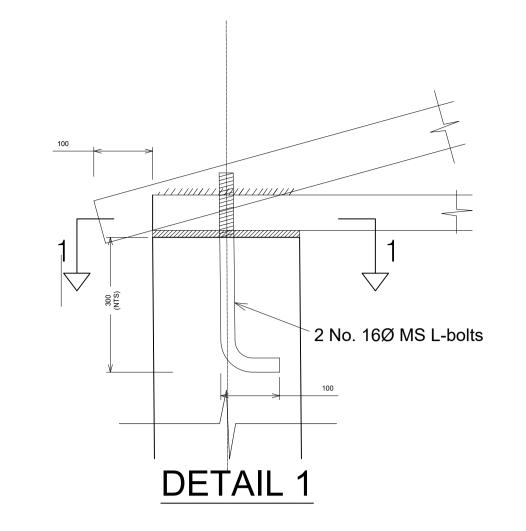
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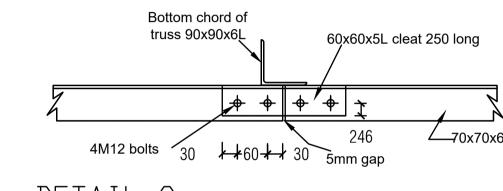
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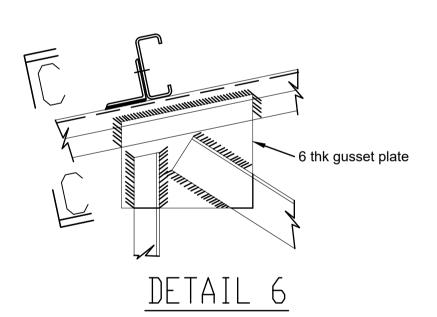


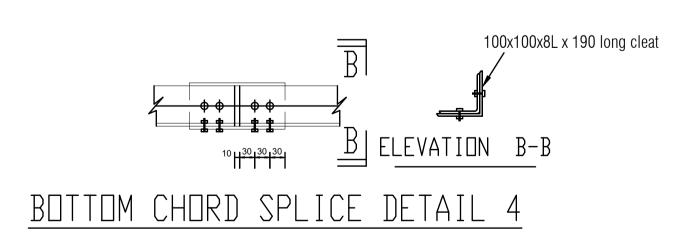




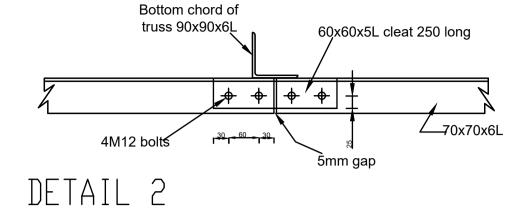


DETAIL 2 LONGITUDINAL TIE FIXING DETAIL

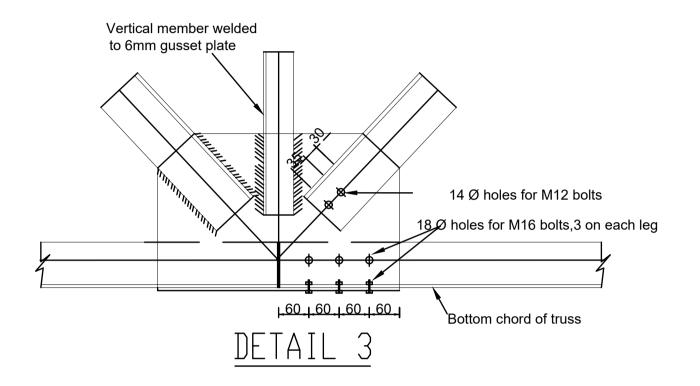


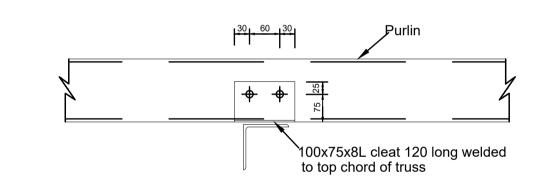


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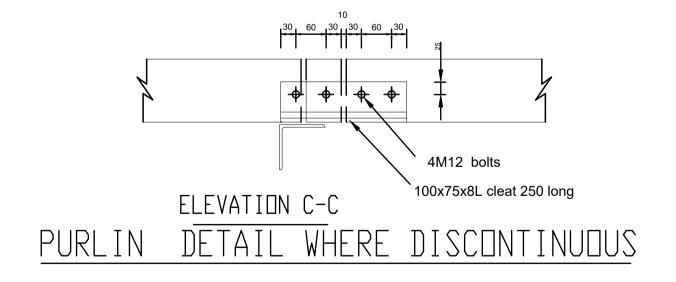


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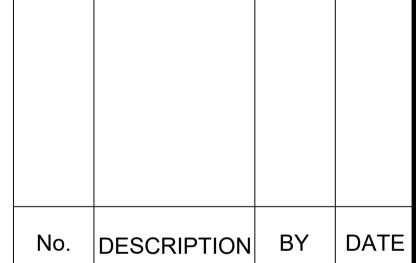


ELEVATION C-C CONTINUOUS PURLIN FIXING DETAIL



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DRAWING NAME

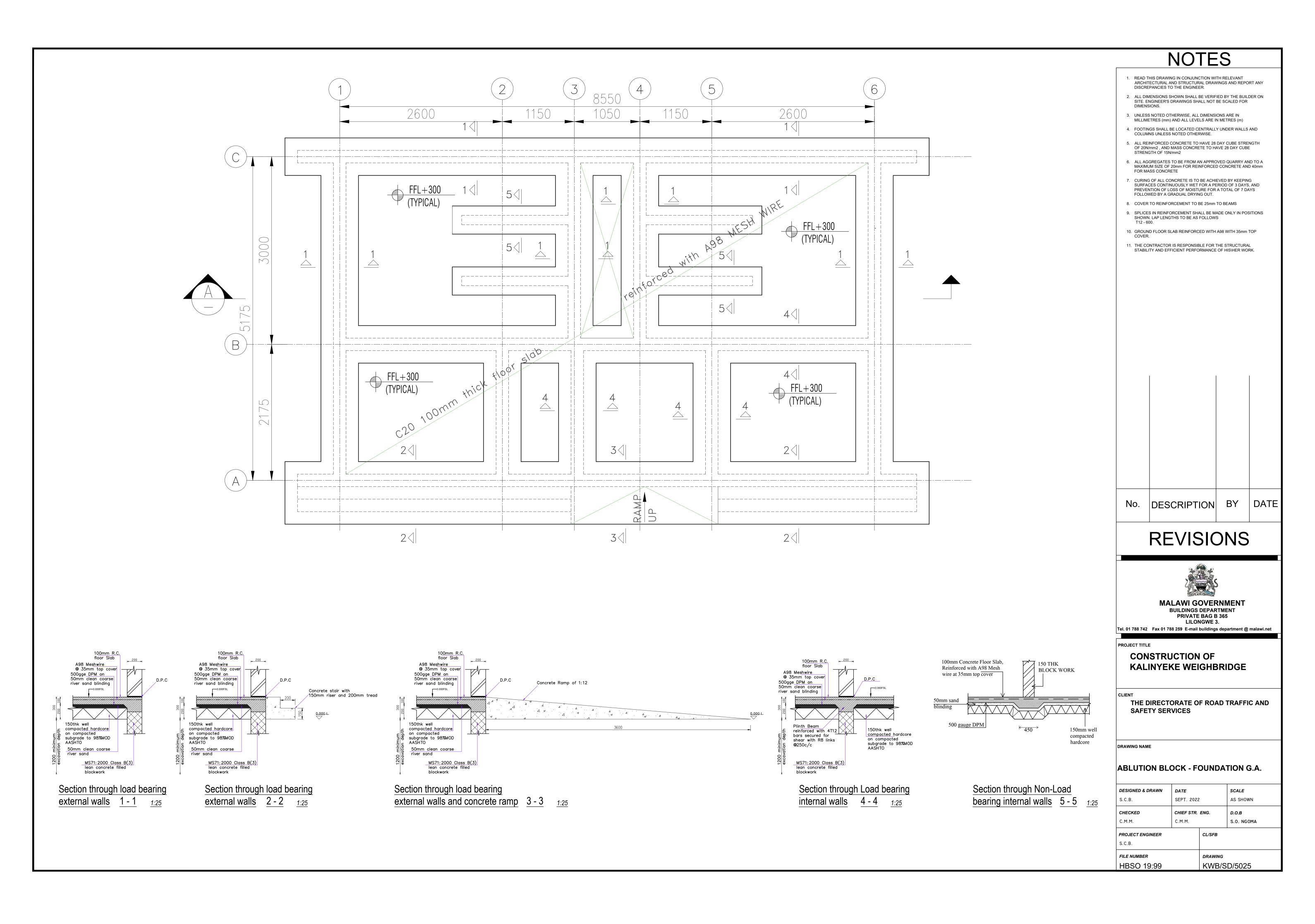
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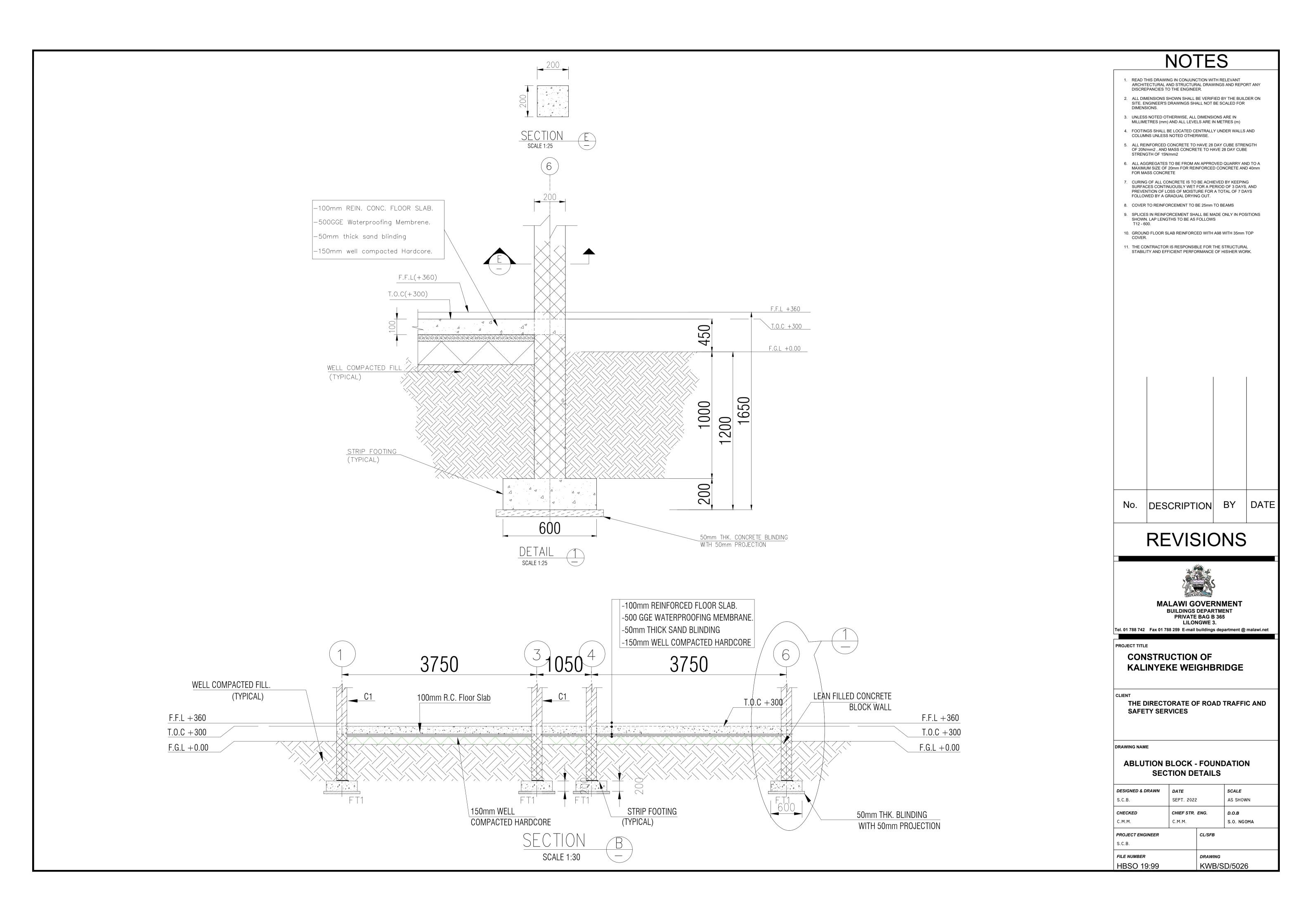
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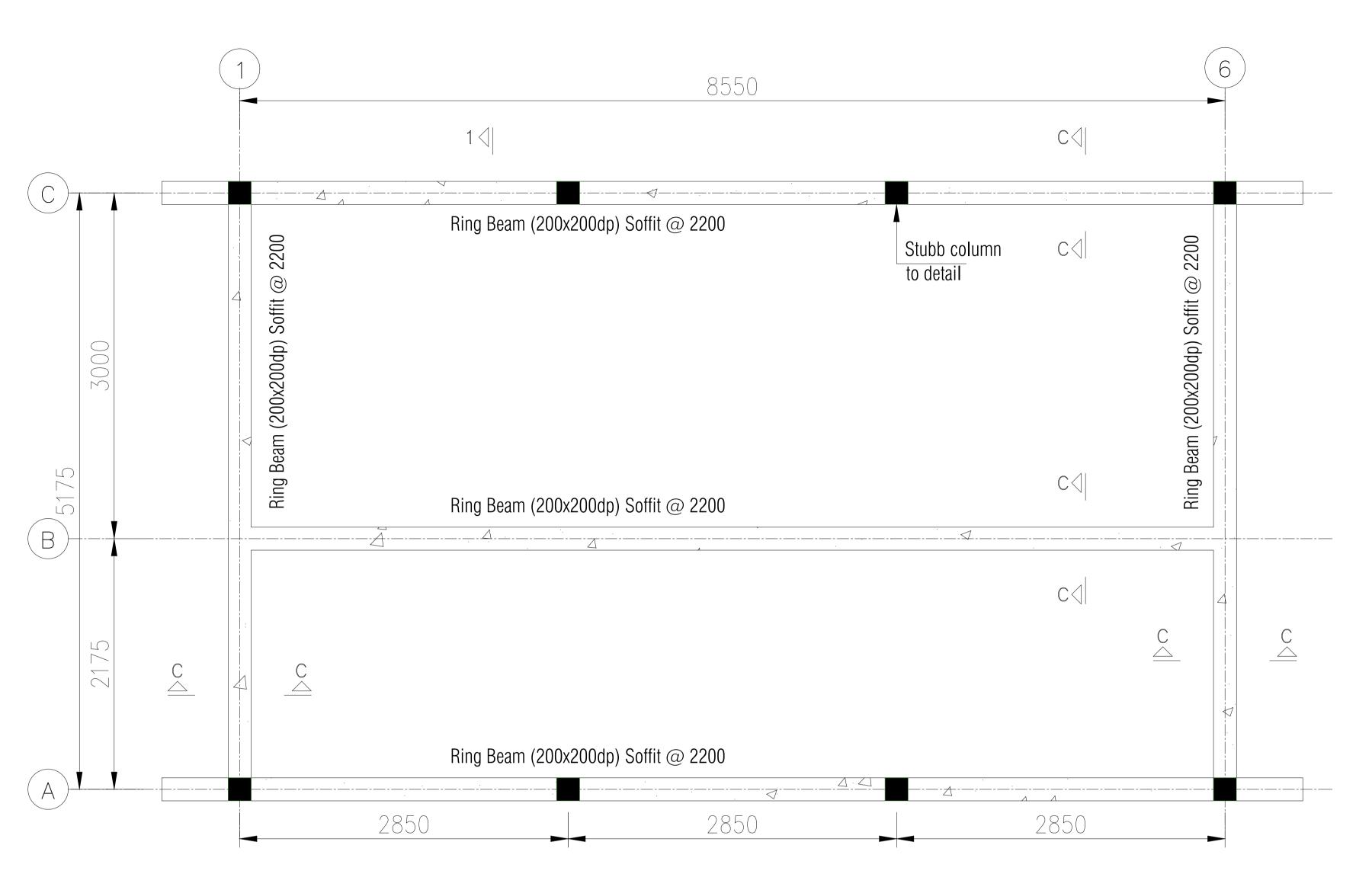
SUB OFFICE - ROOF CONNECTION DETAILS

DESIGNED & DRAWN	DATE		SCALE	
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CHECKED	CHIEF STR. ENG.		D.O.B	
C.M.M.	C.M.M.		S.O. NGOMA	
PROJECT ENGINEER S.C.B.		CL/SFB		
	S.C.B. CHECKED C.M.M. PROJECT ENGINEER	S.C.B. SEPT. 2022 CHECKED CHIEF STR. C.M.M. C.M.M. PROJECT ENGINEER	S.C.B. SEPT. 2022 CHECKED CHIEF STR. ENG. C.M.M. C.M.M. PROJECT ENGINEER CL/SFB	

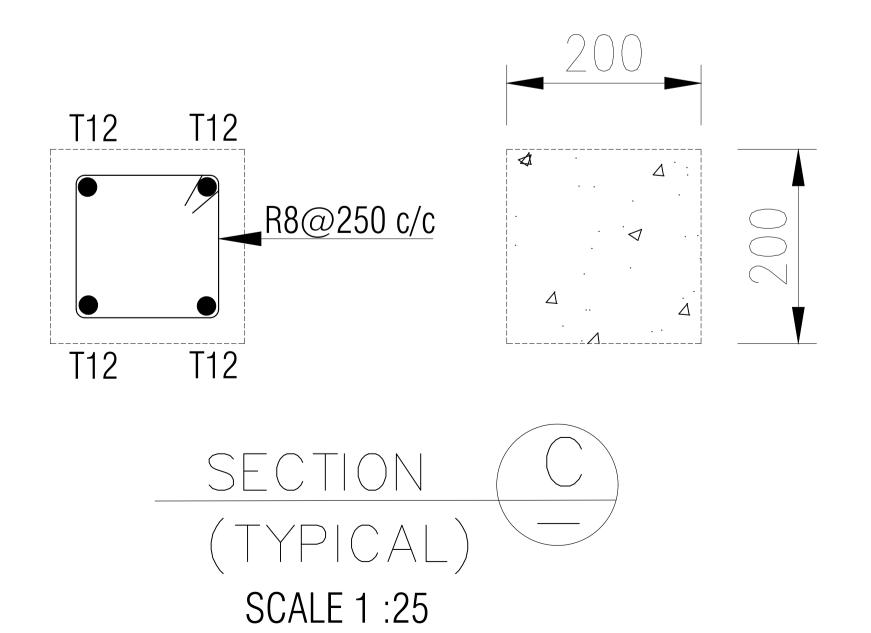
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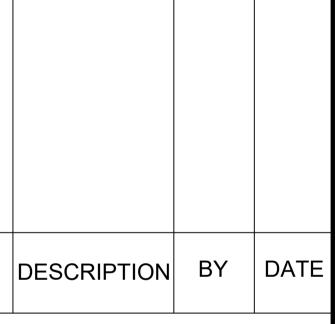
RING BEAM G.A.



NOTES

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- FOR MASS CONCRETE

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- 8. COVER TO REINFORCEMENT TO BE 25mm TO BEAMS
- 9. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN. LAP LENGTHS TO BE AS FOLLOWS T12 600.
- 10. GROUND FLOOR SLAB REINFORCED WITH A98 WITH 35mm TOP
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY AND EFFICIENT PERFORMANCE OF HIS/HER WORK.



REVISIONS



MALAWI GOVERNMENT
BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.

PROJECT TITI

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

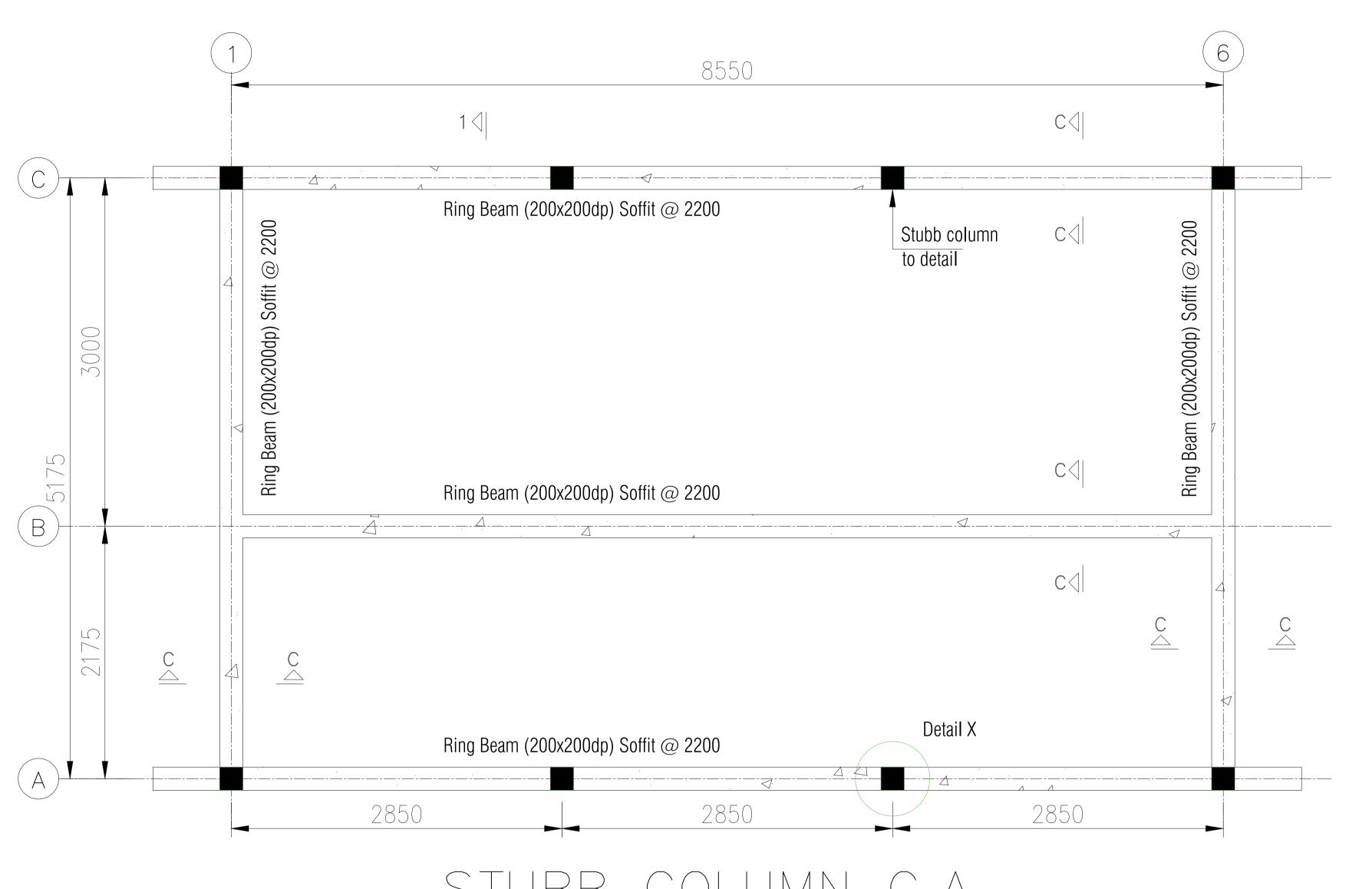
CLIENT

THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

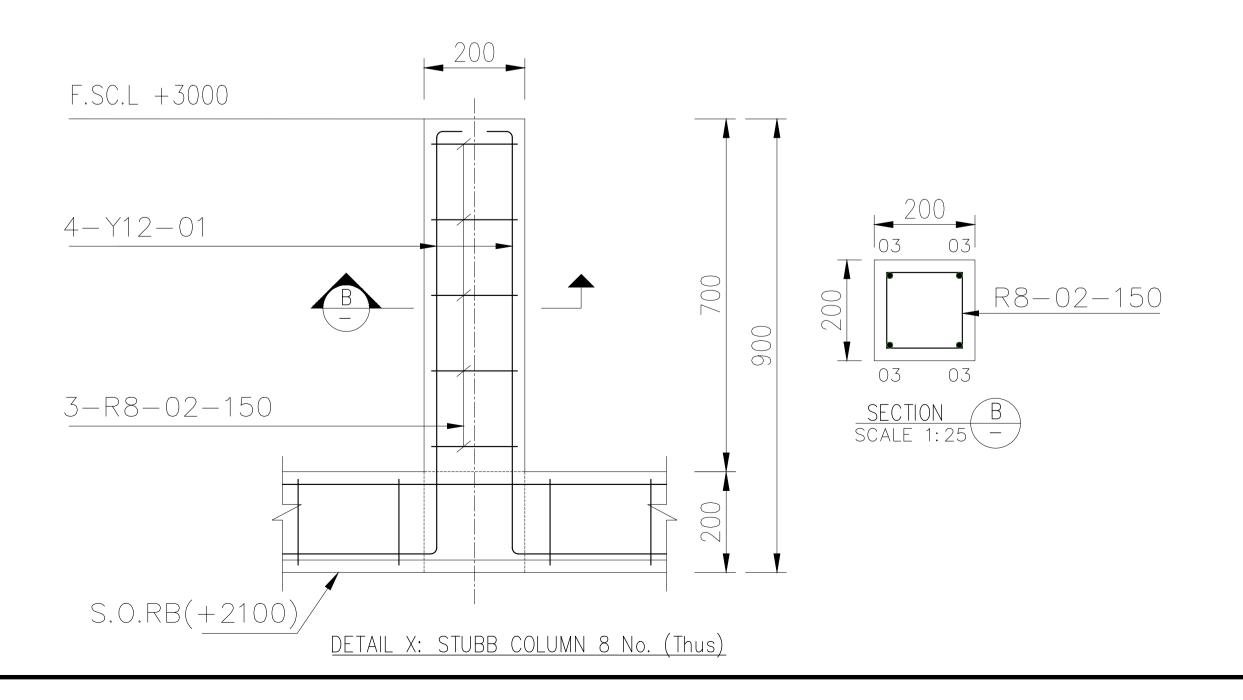
DRAWING NAME

HBSO 19:99

ABLUTION BLOCK - RING BEAM G.A. & DETAILS

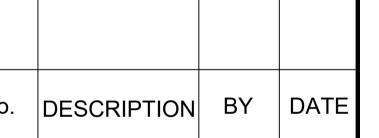


STUBB COLUMN G.A.



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- 10. GROUND FLOOR SLAB REINFORCED WITH A98 WITH 35mm TOP
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY AND EFFICIENT PERFORMANCE OF HIS\HER WORK.



REVISIONS



MALAWI GOVERNMENT
BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.

Tel. 01 788 742 Fax 01 788 259 E-mail buildings department @ malawi.net

PROJECT TITLE

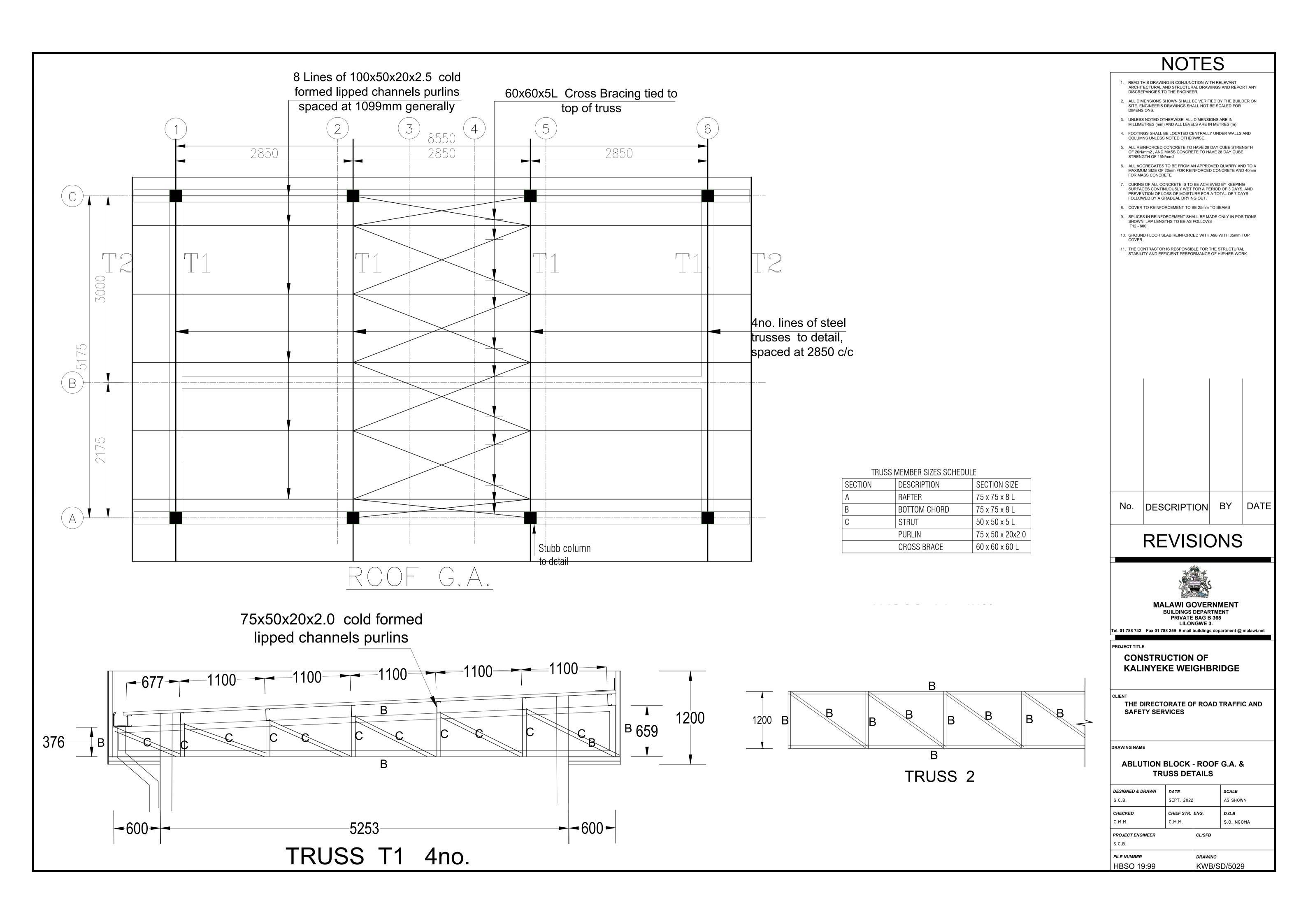
CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

DRAWING NAME

ABLUTION BLOCK - STUBB COLUMN G.A. & DETAILS

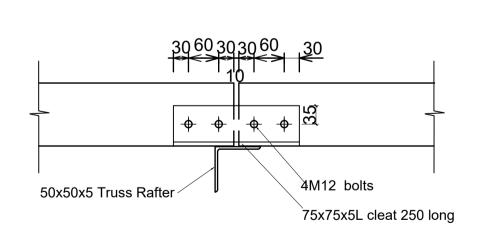
DESIGNED & DRAWN S.C.B.	DATE SEPT. 2022		SCALE AS SHOWN	
CHECKED C.M.M.	CHIEF STR. ENG. C.M.M.		D.O.B S.O. NGOMA	
PROJECT ENGINEER S.C.B.		CL/SFB		
FILE NUMBER HBSO 19:99		DRAWING KWB/SD/5028		



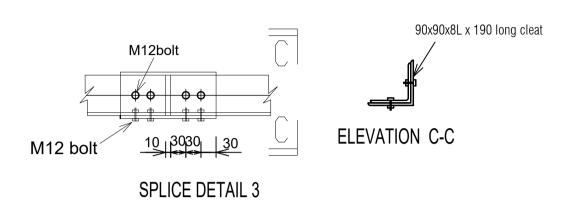
150x50x20x2.0 CFLC bolted to 75x50x4L cleat(150mm long). Cleat is welded to truss 4M12 bolts Fillet weld 6mm thk gusset plate DETAIL 2 (where struts and ties meet the rafter or tie beam) 100x50x20x2.0 CFLC bolted to 75x50x4L cleat(150mm long). 2M12 bolts Cleat is welded to truss

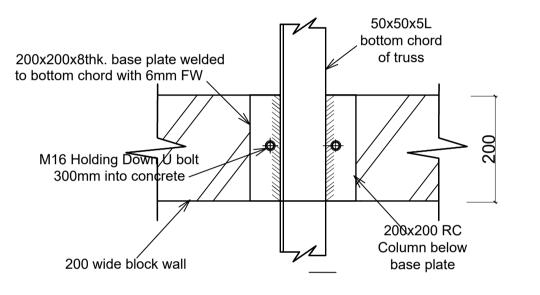
Top chord of truss

PURLIN FIXING DETAIL

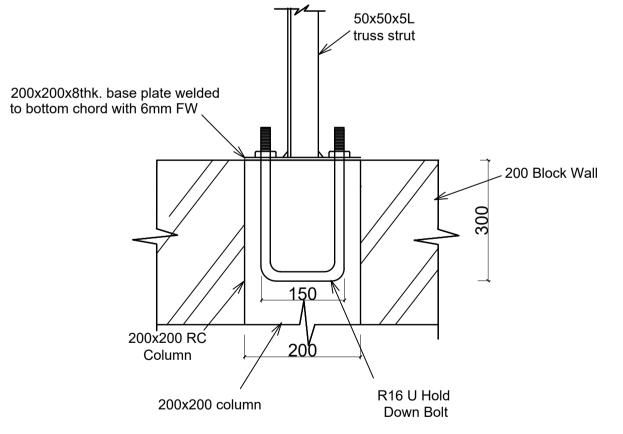


SECTION 1-1 PURLIN CONNECTION





DETAIL 1 TRUSS FIXING DETAIL AT SUPPORT PLAN



DETAIL 2-SECTION TRUSS FIXING DETAIL AT SUPPORT (At the side of column)

CONNECTION DETAILS SCALE: NTS

NOTES

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- 10. GROUND FLOOR SLAB REINFORCED WITH A98 WITH 35mm TOP
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY AND EFFICIENT PERFORMANCE OF HIS\HER WORK.



DESCRIPTION BY DATE



MALAWI GOVERNMENT
BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.

Tel. 01 788 742 Fax 01 788 259 E-mail buildings department @ malawi.net

PROJECT TITLE

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

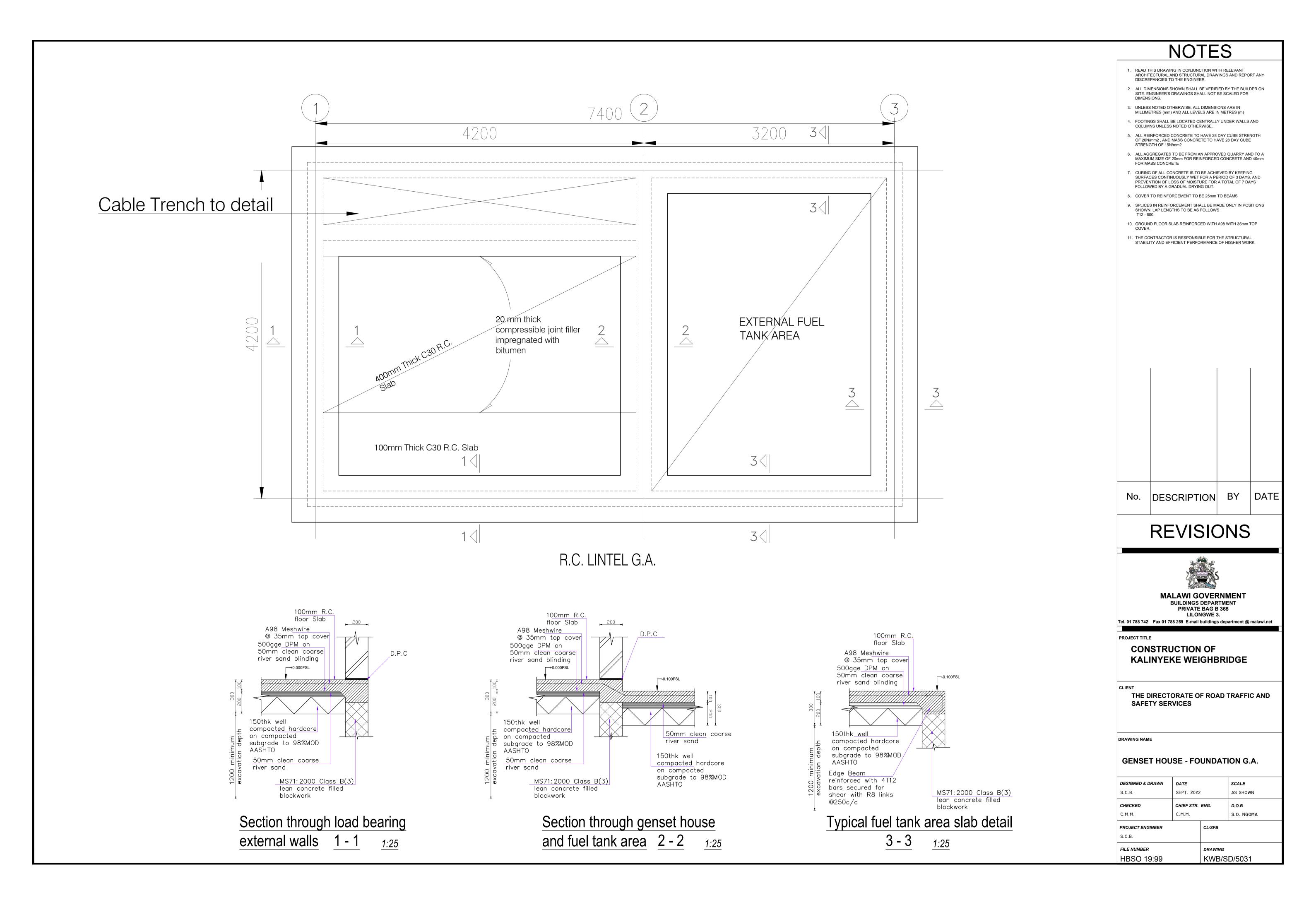
THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

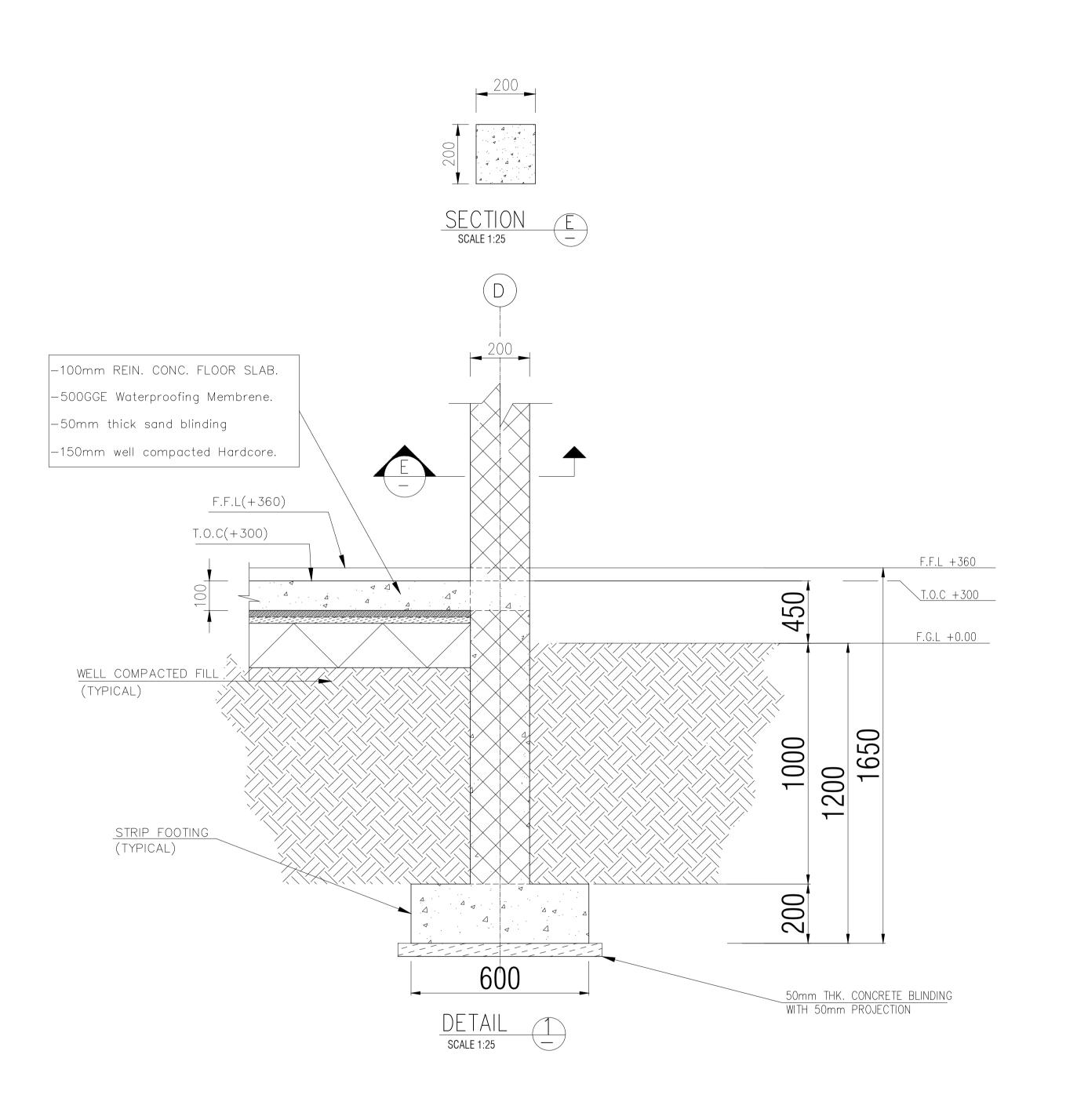
DRAWING NAME

ABLUTION BLOCK - ROOF CONNECTION DETAILS

DESIGNED & DRAWN S.C.B.	DATE SEPT. 2022		SCALE AS SHOWN	
CHECKED C.M.M.	CHIEF STR. ENG. C.M.M.		D.O.B S.O. NGOMA	
PROJECT ENGINEER		CL/SFB		

S.C.B. FILE NUMBER HBSO 19:99 KWB/SD/5030





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- SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN. LAP LENGTHS TO BE AS FOLLOWS T12 - 600.
- 10. GROUND FLOOR SLAB REINFORCED WITH A98 WITH 35mm TOP
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY AND EFFICIENT PERFORMANCE OF HIS/HER WORK.



No. DESCRIPTION BY DATE



MALAWI GOVERNMENT
BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.

Tel. 01 788 742 Fax 01 788 259 E-mail buildings department @ malawi.net

PROJECT TITLE

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

CLIENT

THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

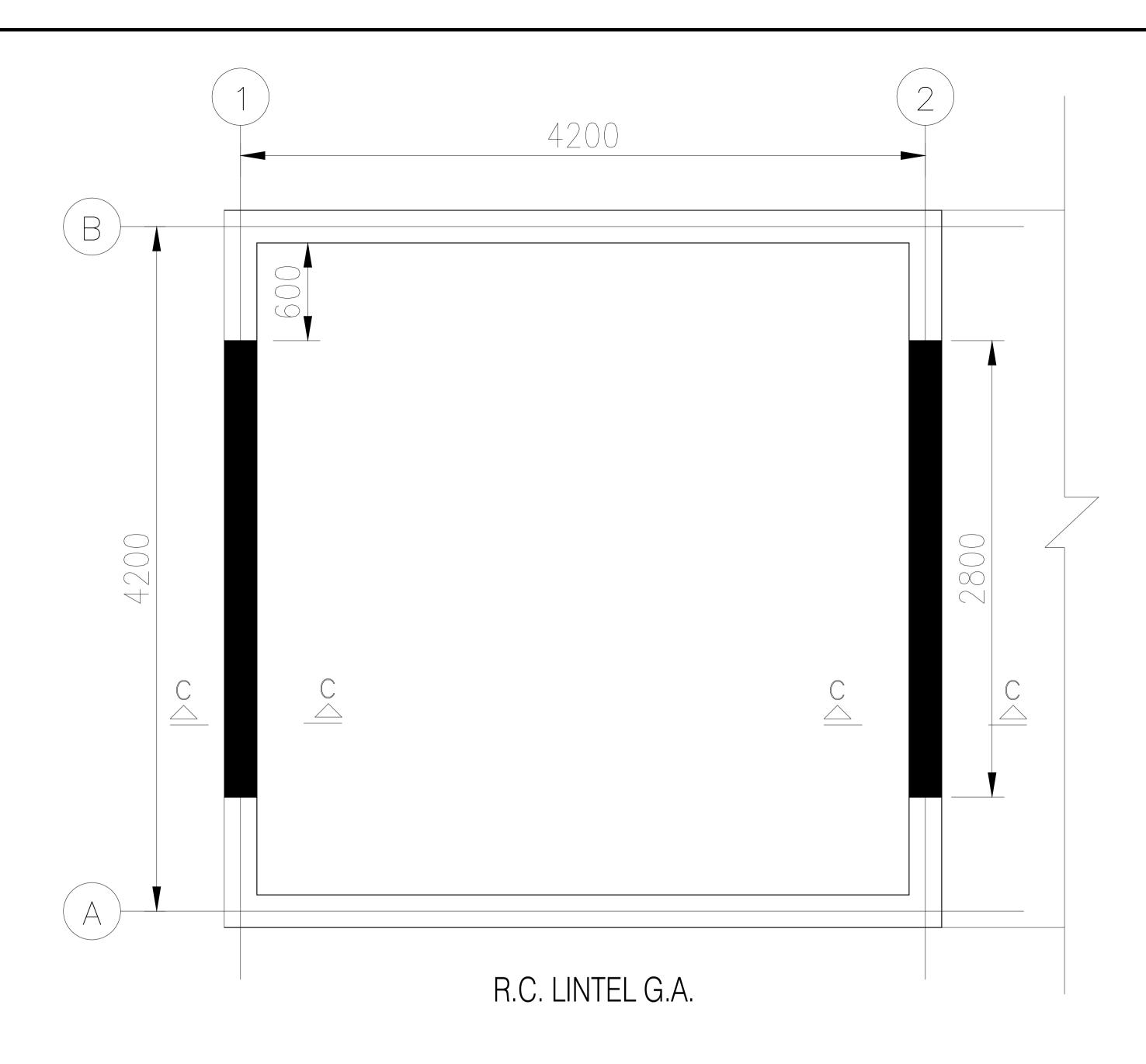
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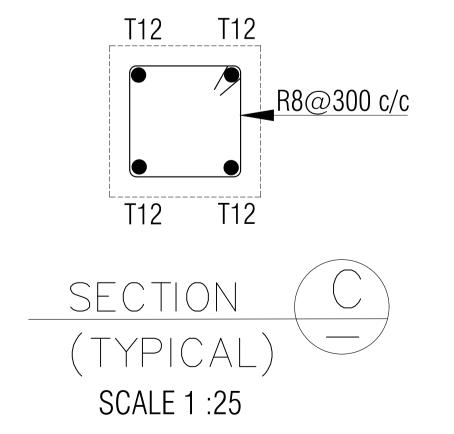
GENSET HOUSE - FOUNDATION SECTION DETAILS

DESIGNED & DRAWN S.C.B.	DATE SEPT. 2022		SCALE AS SHOWN	
CHECKED C.M.M.	CHIEF STR. ENG.		D.O.B S.O. NGOMA	
PROJECT ENGINEER		CL/SFB		

PROJECT ENGINEER						
S.C.B.						
EU E NUMBER	_					

HBSO 19:99 CWB/SD/5032





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- 10. GROUND FLOOR SLAB REINFORCED WITH A98 WITH 35mm TOP COVER.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY AND EFFICIENT PERFORMANCE OF HIS\HER WORK.



No. DESCRIPTION BY DATE



MALAWI GOVERNMENT BUILDINGS DEPARTMENT PRIVATE BAG B 365 LILONGWE 3.

Tel. 01 766 742 Fax 01 766 259 E-mail buildings department @ malawi

PROJECT TITLE

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

CLIENT

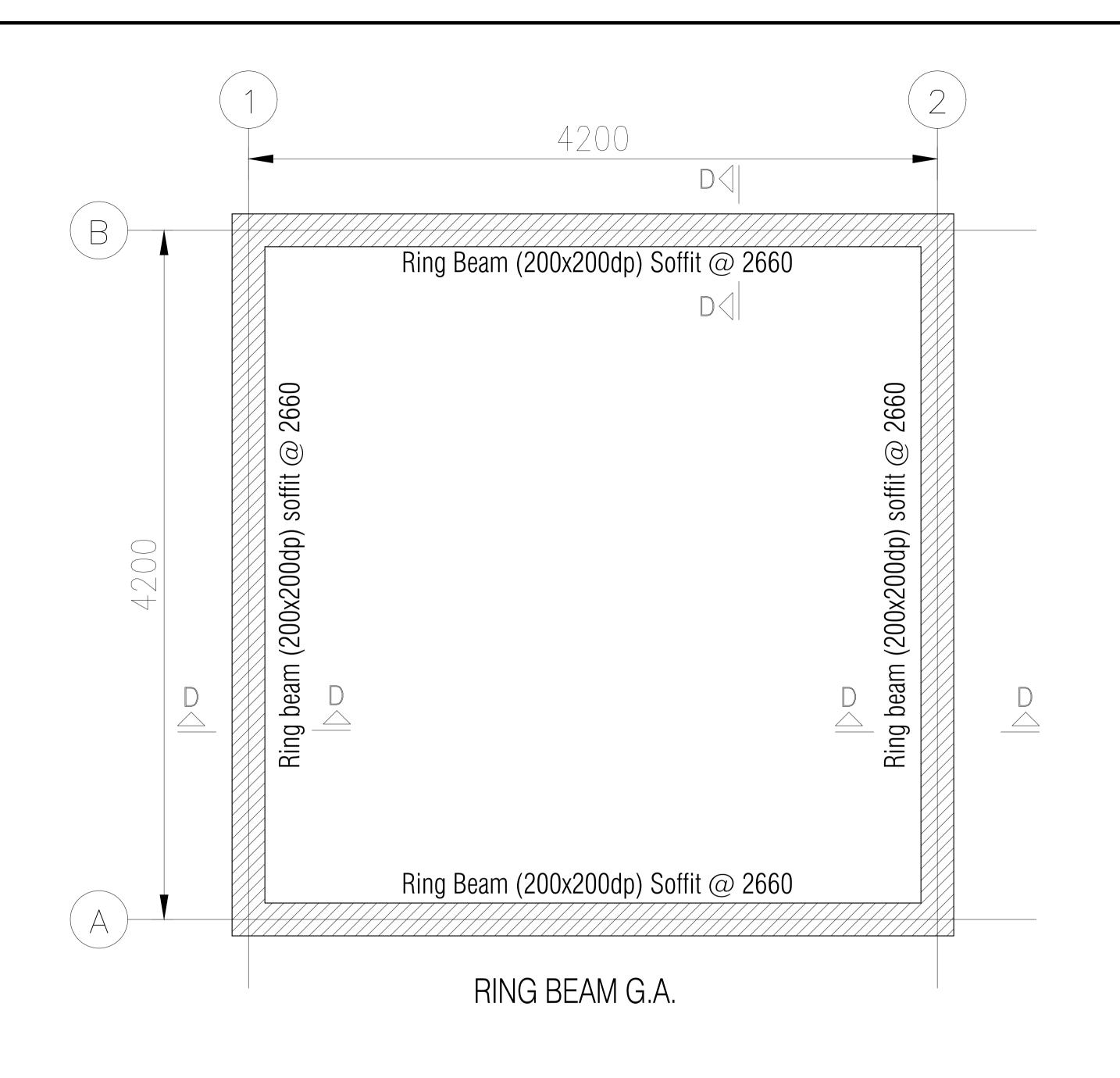
THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

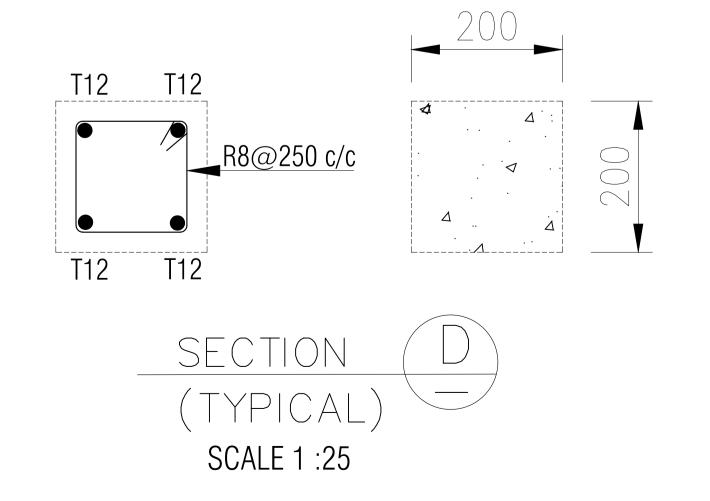
DRAWING NAME

GENSET HOUSE - LINTEL G.A. & DETAILS

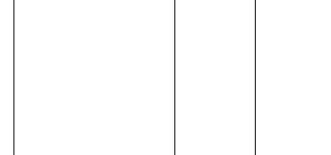
DESIGNED & DRAWN S.C.B.	DATE SEPT. 2022		SCALE AS SHOWN	
CHECKED C.M.M.	CHIEF STR. ENG.		D.O.B S.O. NGOMA	
PROJECT ENGINEER		CL/SFB		

<i>'</i>	ROJECT ENGINEER	CL/SFB
S.C.B.		
F	FILE NUMBER	DRAWING
I	HBSO 19:99	KWB/SD/5033





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- 10. GROUND FLOOR SLAB REINFORCED WITH A98 WITH 35mm TOP
- THE CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILITY AND EFFICIENT PERFORMANCE OF HIS\HER WORK.



No. DESCRIPTION BY DATE



REVISIONS

MALAWI GOVERNMENT
BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.

PROJECT TITLE

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

CLIENT

THE DIRECTORATE OF ROAD TRAFFIC AND SAFETY SERVICES

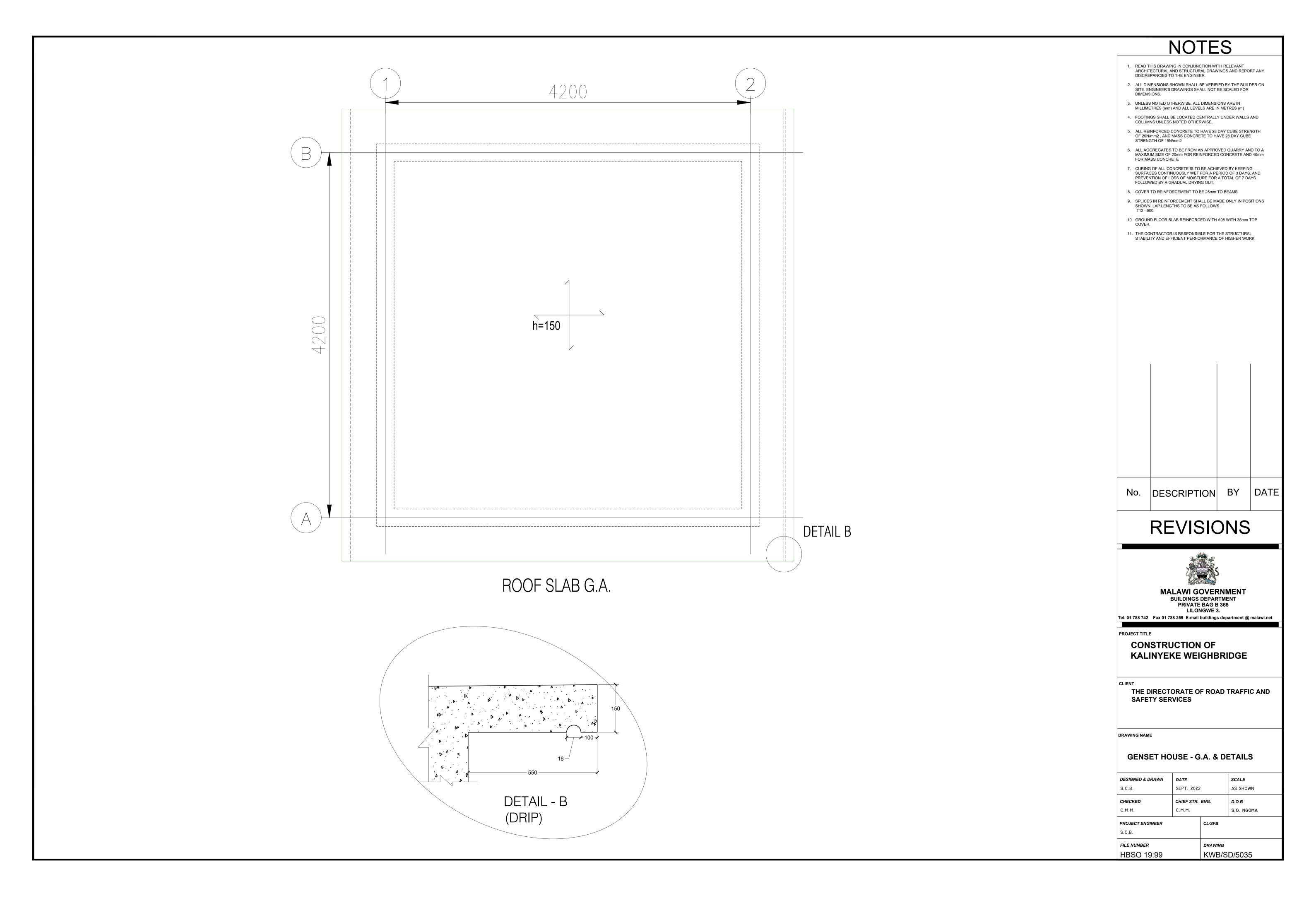
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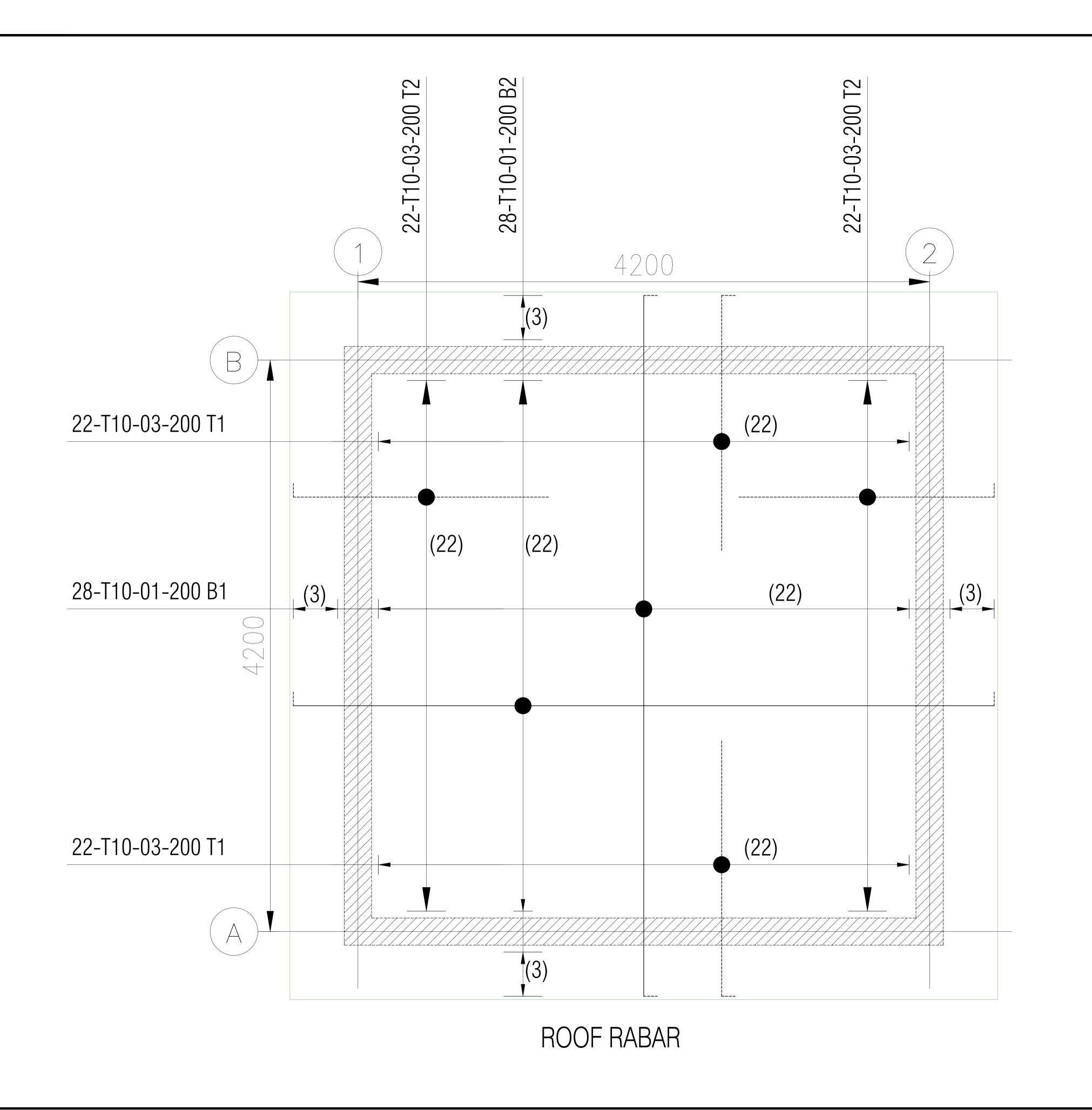
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HBSO 19:99

GENSET HOUSE - RING BEAM G.A. & DETAILS

DESIGNED & DRAWN S.C.B.	DATE SEPT. 2022		SCALE AS SHOWN
CHECKED C.M.M.	CHIEF STR. C.M.M.	ENG.	D.O.B S.O. NGOMA
PROJECT ENGINEER S.C.B.		CL/SFB	





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DESCRIPTION BY DATE



MALAWI GOVERNMENT
BUILDINGS DEPARTMENT
PRIVATE BAG B 365
LILONGWE 3.

CONSTRUCTION OF KALINYEKE WEIGHBRIDGE

THE DIRECTORATE OF ROAD TRAFFIC AND **SAFETY SERVICES**

DRAWING NAME

FILE NUMBER

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GENSET HOUSE - ROOF SLAB REBAR

DESIGNED & DRAWN S.C.B.	DATE SEPT. 2022		SCALE AS SHOWN
CHECKED C.M.M.	CHIEF STR. ENG.		D.O.B S.O. NGOMA
PROJECT ENGINEER S.C.B.		CL/SFB	

