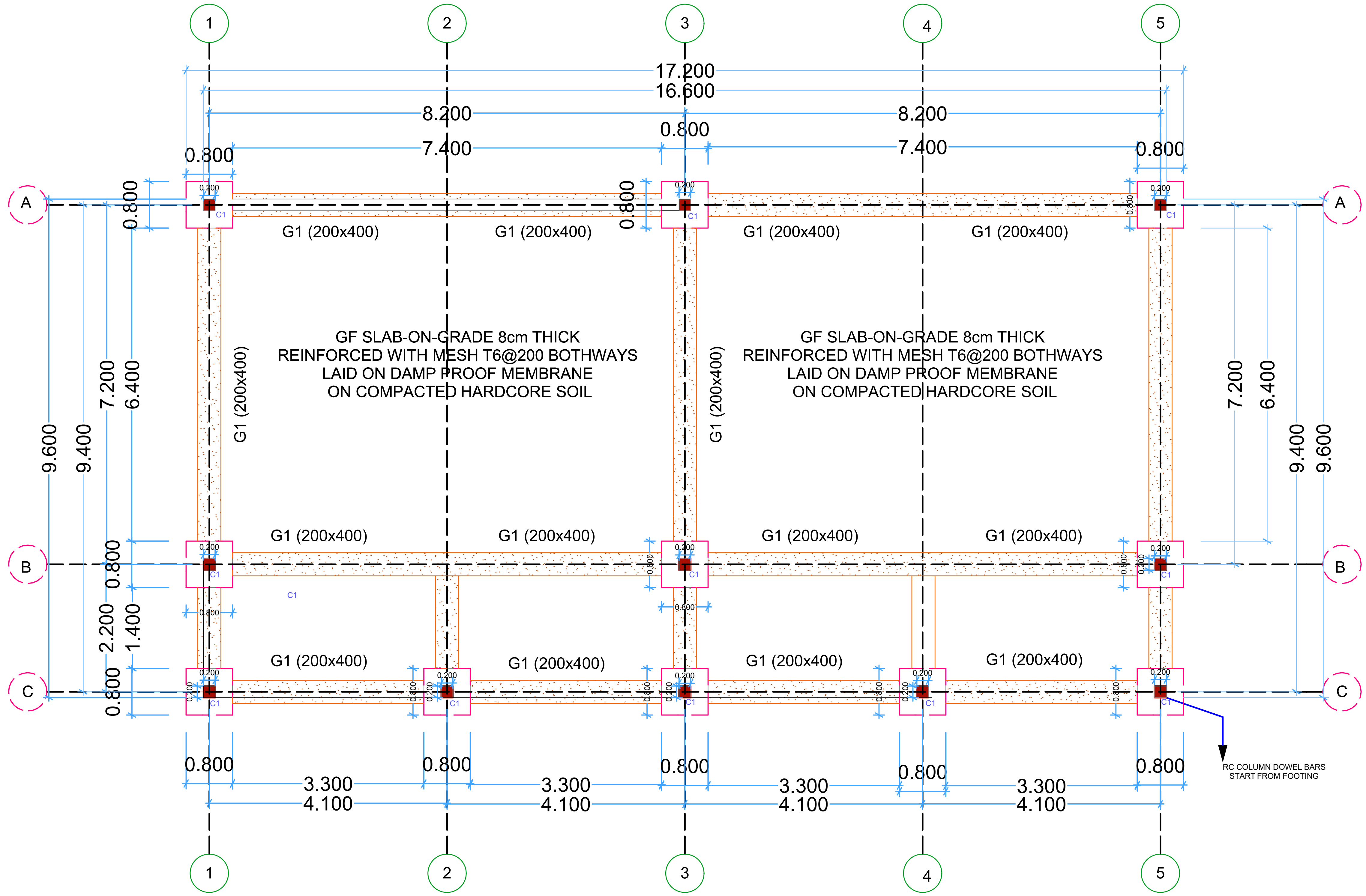

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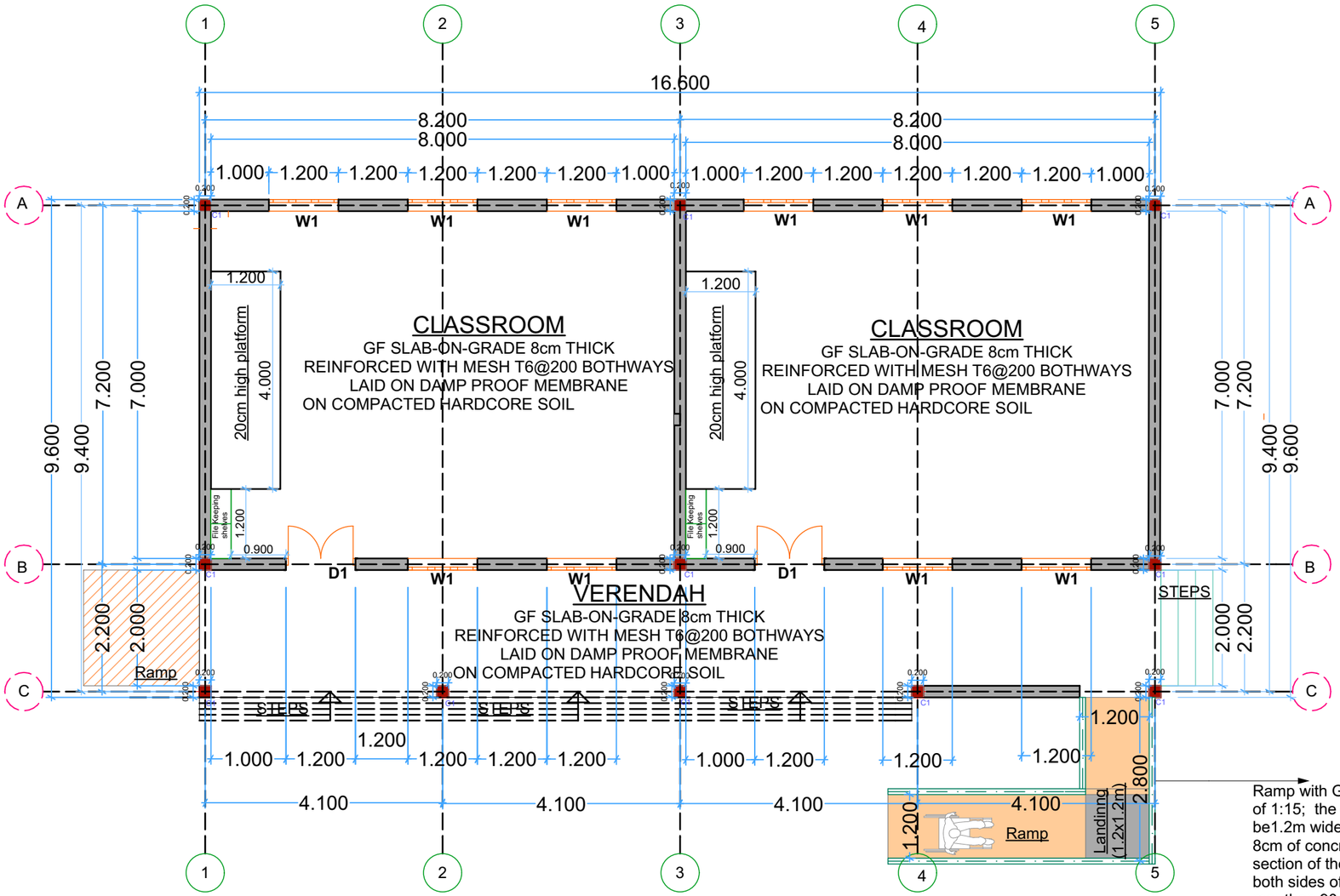
TITLE: PROPOSED DESIGN DEVELOPMENT OF TWO CLASSROOMS

DRAWN BY ENG. BIDHAAN	CHECKED BY ENG. KAISE
DATE: JUNE 2024	SHEET 01

REVISIONS



FLOOR PLAN

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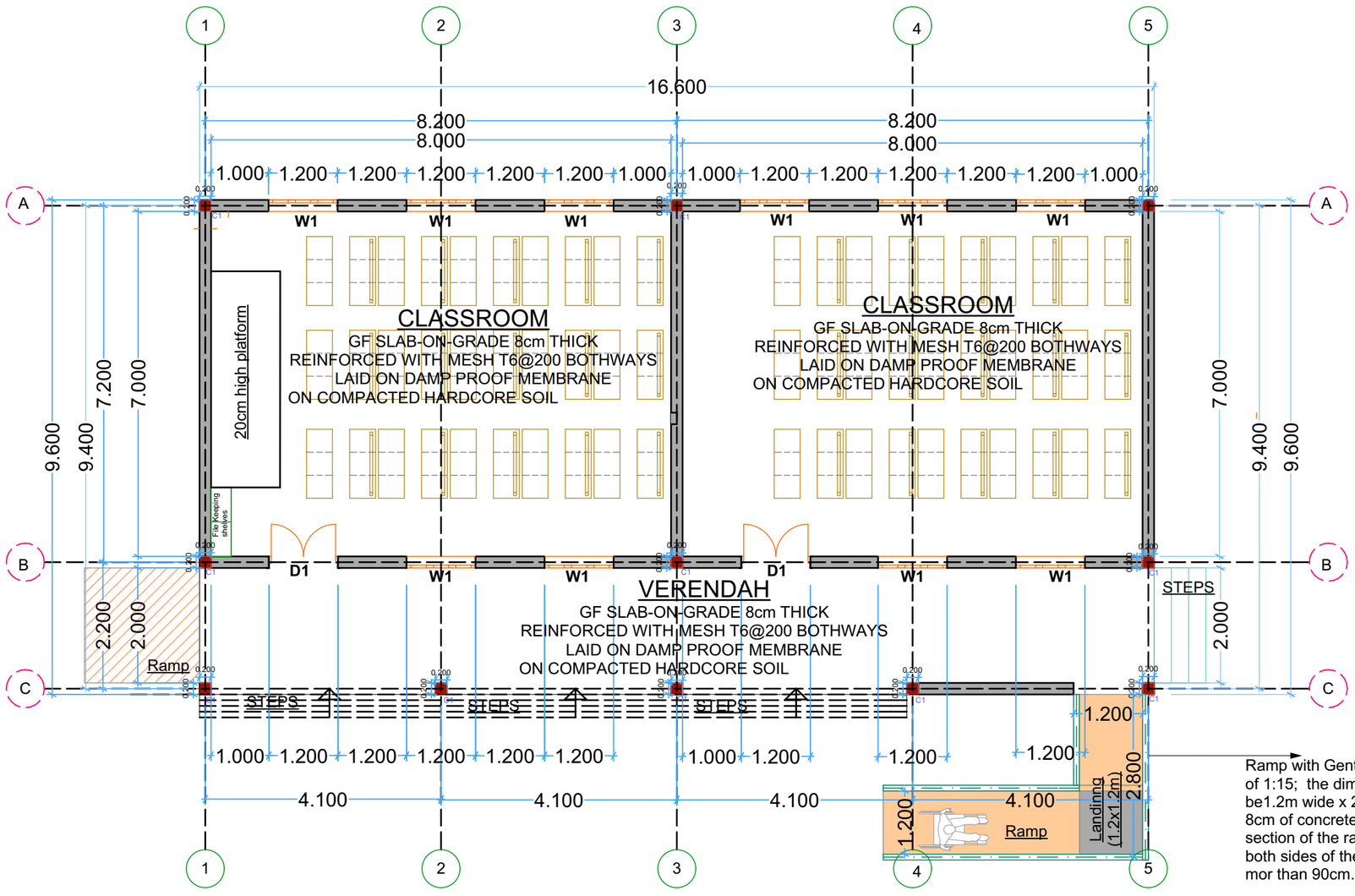
DATE: JUNE 2024	SHEET 01

REVISIONS



Ramp with Gentle slope with ration of 1:15; the dimension should be1.2m wide x 2m long and apply 8cm of concrete screed to the upper section of the ramp. install handrails both sides of the ram and height not mor than 90cm.

FURNITURE PLAN

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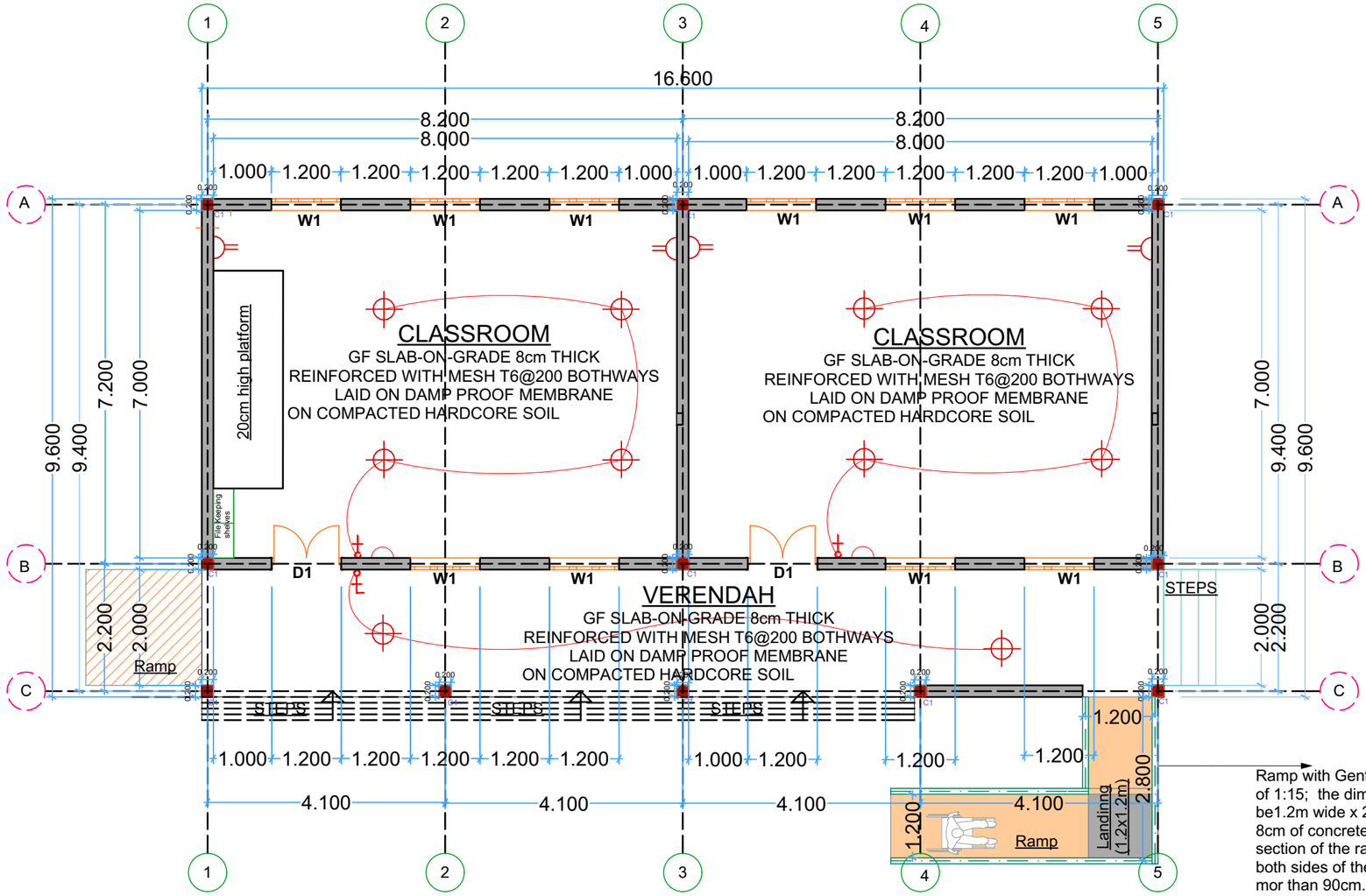

Ramp with Gentle slope with ration of 1:15; the dimension should be1.2m wide x 2m long and apply 8cm of concrete screed to the upper section of the ramp. install handrails both sides of the ram and height not mor than 90cm.

ELECTRICITY PLAN

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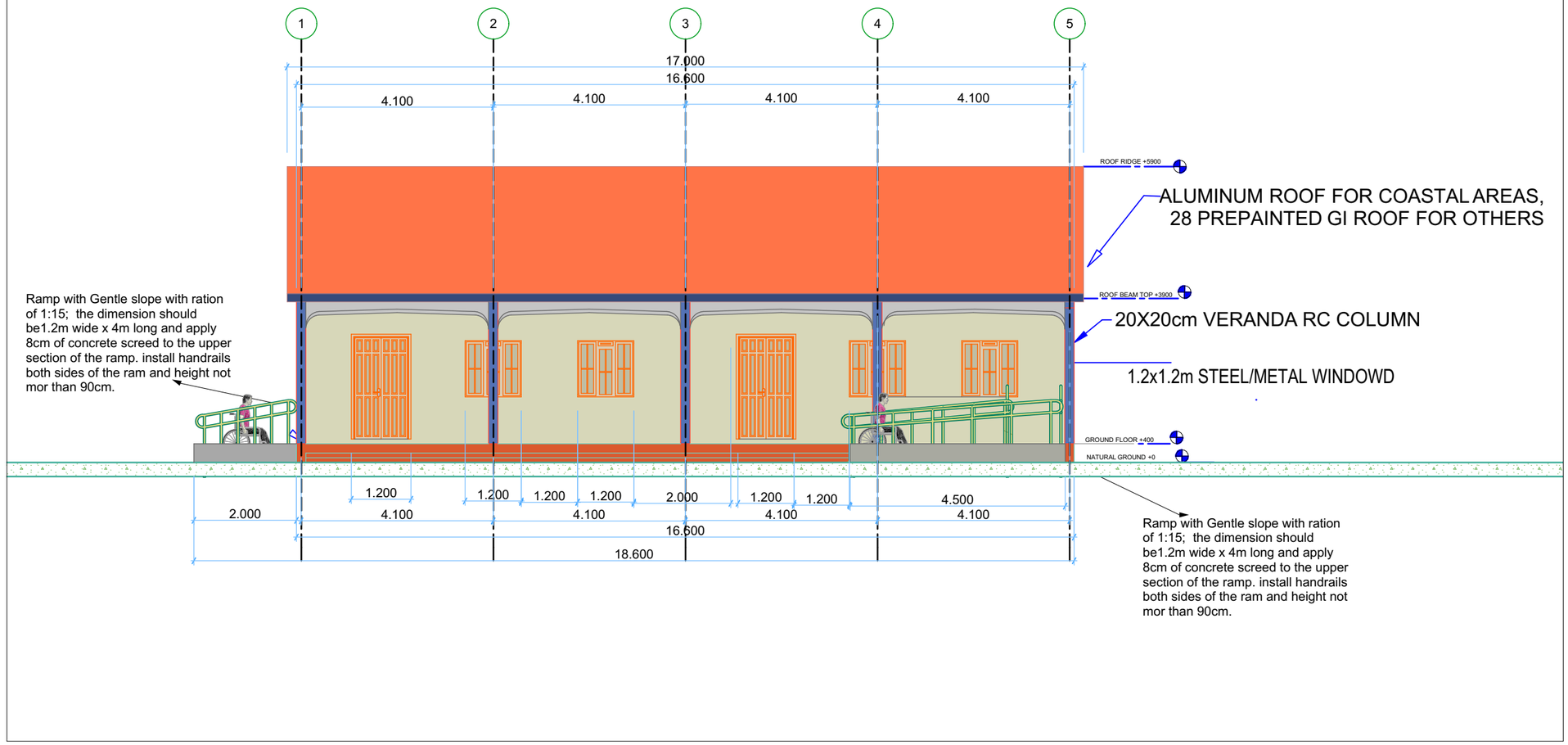

FRONT ELEVATION

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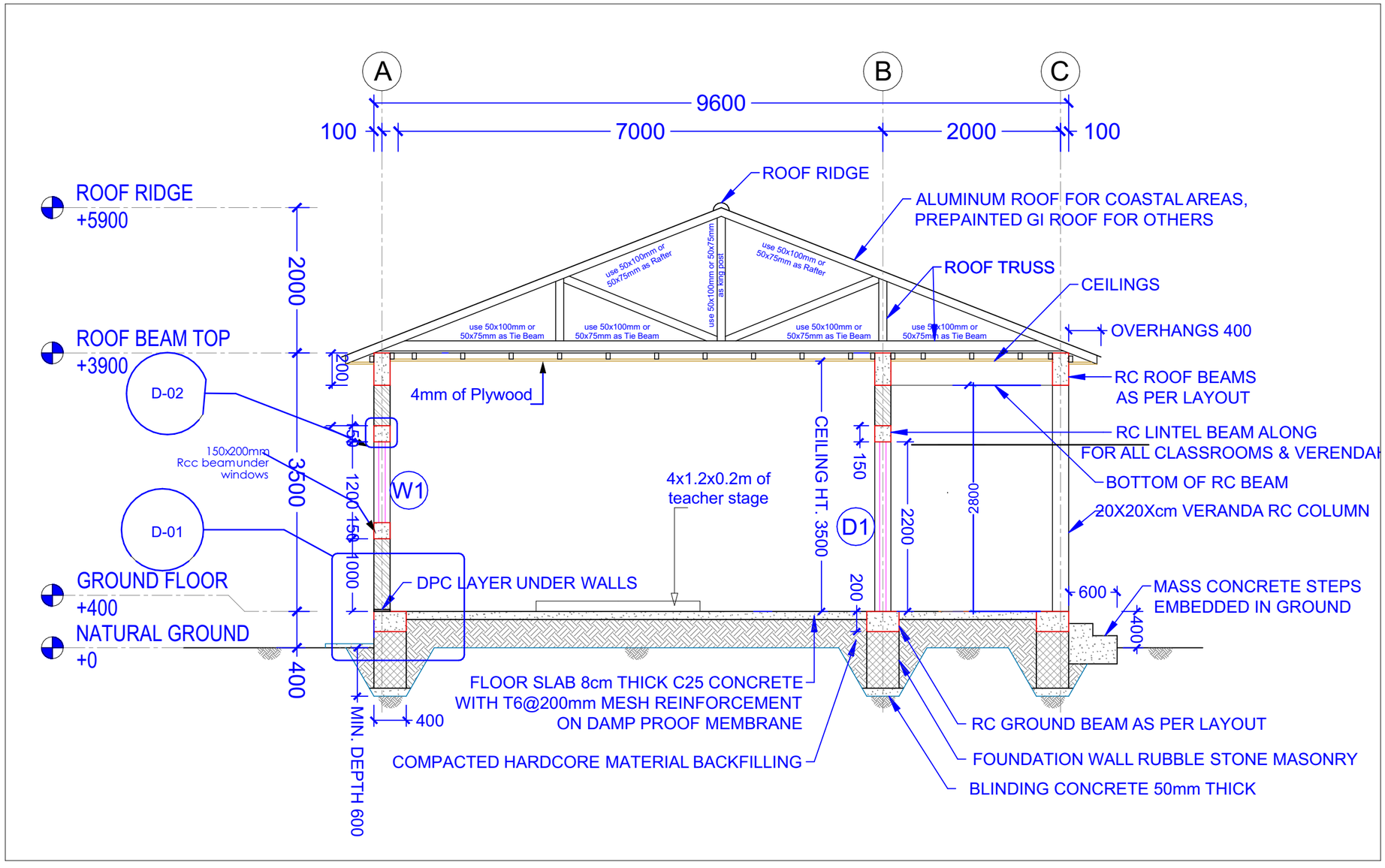

DETAILED SECTION

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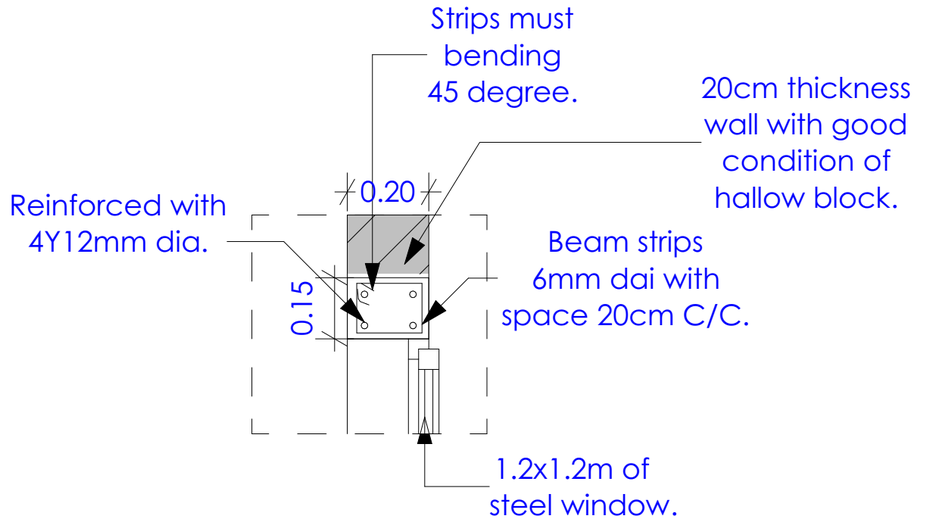
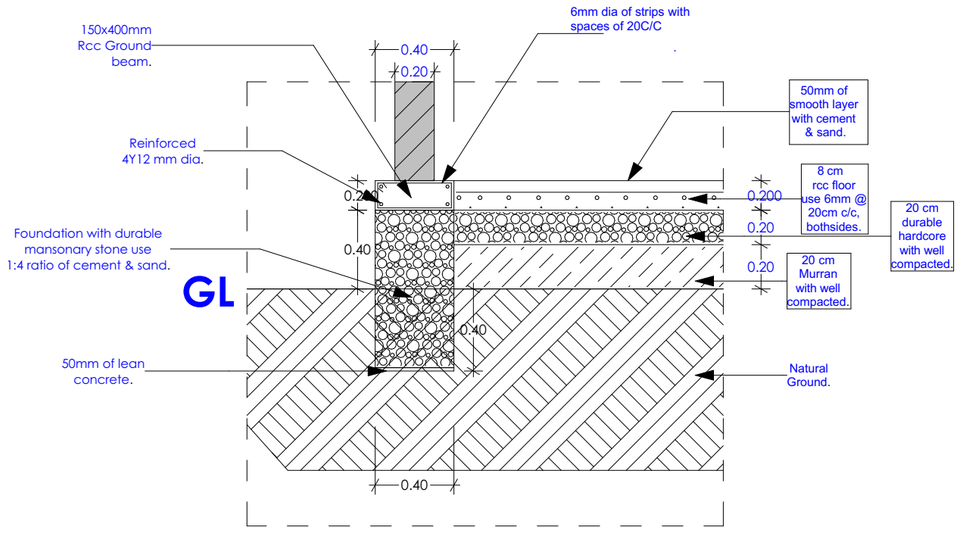


Details-02



Details-01

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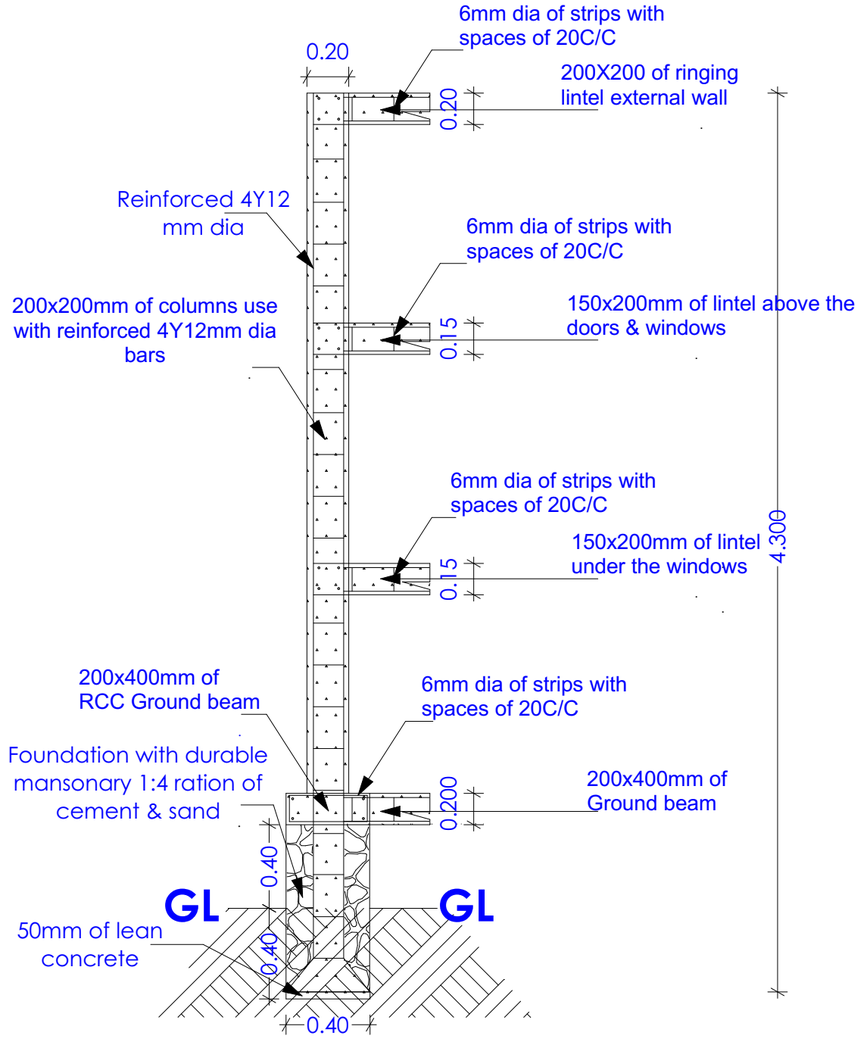
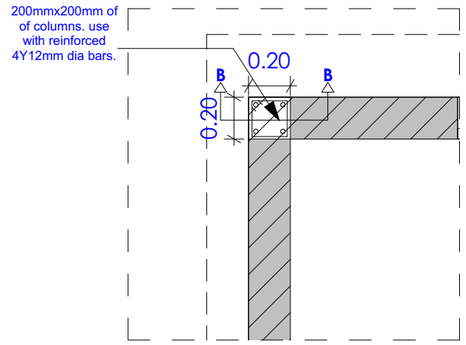


Section BB



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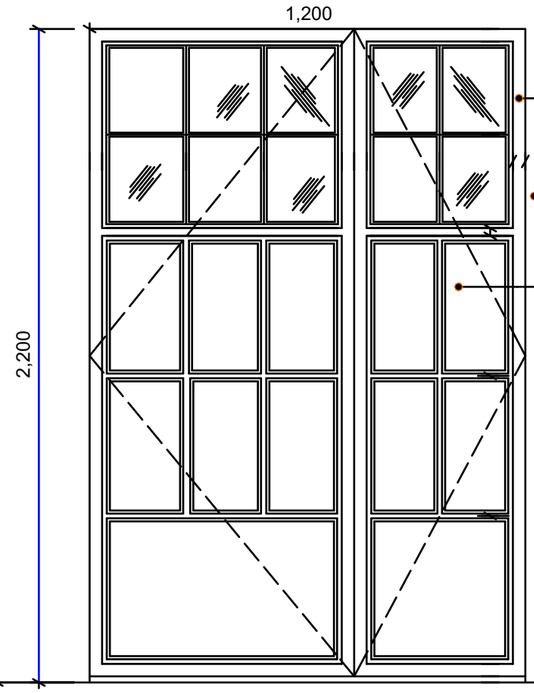


D 1 .

SIZE

1200X2200mm

DESCRIPTION

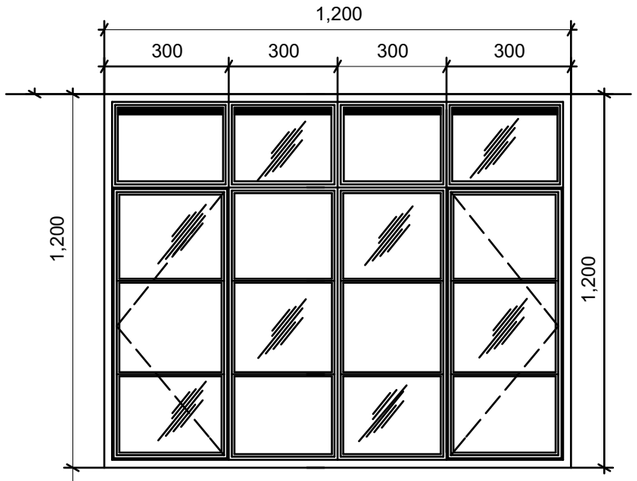
Metal panel door fixed with 40x40x2mm
Metal frames with 25x25x2mm Z & T

Location

Classrooms .

Quantity

1 No.per class



W 1 .

SIZE

1200X1200mm

DESCRIPTION

Steel casement frames
(25x25x3mm Z & T Sections).

Location

Classrooms .

Quantity

5 No.per class

DOORS AND WINDOWS DETAILS

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DATE: JUNE 2024	SHEET 09

REVISIONS

ELECTRICAL LEGEND

	SWITCH
	TWO WAY SWITCH
	13 AMP. TWIN SOCKET WITH SWITCH
	13 AMP. SINGLE SOCKET WITH SWITCH
	20 AMP. SWITCH WITH INDICATOR LAMP FOR A/C. UNIT & WATER HEATER
	30 AMP. SWITCH SOCKET FOR ELECTRIC COOKER
	13 AMP. WEATHER PROOF SWITCH SOCKET
	13 AMP. KITCHEN WORK-TOP SWITCH SOCKET
WH	WATER HEATER
	LED LIGHT RECESSED CEILING
	FLOURESCENT LIGHT FITTING
	WEATHER PROOF EXTERNAL LED LIGHT
	CHANDLIER LIGHT FITTING
	TUBE LIGHT WITH MIRROR AND SHAVER POINT
	CEILING FAN
	FAN REGULATOR
	EXHAUST FAN
	TELEVISION POINT (TWIN OUTLET)
	TELEPHONE/DATA POINT
	DOOR BELL
	BELL PUSH
	SPLIT A/C (UNIT INSTALLATION EXCLUDED, PREPARATION OF WIRING & PIPING ONLY)
DB	DISTRIBUTION BOARD
MDB	MAIN DISTRIBUTION BOARD & METER

ELECTRICAL LEGEND

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REVISIONS

SCHEDULE OF DOORS

MARK	WIDTH W (m)	HEIGHT H (m)	QTY.	LOCATION	DESCRIPTION - INTERIOR AREAS	DESCRIPTION - COASTAL AREAS
D1	1.2	2.2	2	CLASSROOMS+OFFICE	DOUBLE LEAF MILD STEEL DOOR COMPLETE WITH FRAME, STANDARD IRONMONGERY, JOINT FINISHING & 2-COAT GLOSSY PAINT	SINGLE LEAF WOODEN PANEL DOOR COMPLETE WITH FRAME, ARCHITRAVE, STANDARD IRONMONGERY & FINISHING PAINT

SCHEDULE OF WINDOWS

MARK	WIDTH W (m)	HEIGHT H (m)	SILL (m)	QTY.	LOCATION	DESCRIPTION - INTERIOR AREAS	DESCRIPTION - COASTAL AREAS
W1	1.2	1.2	1.0	10	CLASSROOMS	DOUBLE LEAF MILD STEEL WINDOW, EACH LEAF IS FOLDABLE TO WALL, COMPLETE WITH STEEL GRILL, STANDARD IRONMONGERY, JOINT FINISHING & 2-COAT GLOSSY PAINT	DOUBLE LEAF WOODEN PANEL WINDOW COMPLETE WITH STEEL GRILL, STANDARD IRONMONGERY & FINISHING PAINT

SCHEDULE OF FINISHES

	DESCRIPTION	CLASSROOMS BUILDINGS INTERIOR AREAS	CLASSROOMS BUILDINGS COASTAL AREAS
FLOOR	SMOOTH CEMENT FLOOR FINISH ON BACKING CEMENT-SAND SCREED LAID TO FALL WITH CONTROL JOINTS, MIN. 50mm THICK ON TOP OF 8cm CONCRETE GROUND SLAB	*	
WALL	EXTERNAL & INTERNAL PLASTERING,12mmTHICK, CEMENT/SAND MIX 1:3 WITH WOOD FLOAT FINISH 2 COAT OF WHITE WASH,LIME TO WHITE GLUE RATION:1:275 AND DISTEMPER WALL SURFACE.	*	
	2 COAT OF HIGH GLOSS PAINT FOR INTERNAL WALLS OF THE CLASS UP TO 2M LEVEL	*	
CEILING	4-6mm THICK LAMINATED PLYWOOD CEILING WITH CLIENT-APPROVED COLOR & DESIGN, FIXED ON FRAME BELOW WOODEN TRUSS & COMPLETE WITH JOINT FINISHING	*	
ROOF	PREPAINTED GAUGE 28 GI ROOFING SHEETS FIXED ON STANDARD WOODEN TRUSS WITH GI FASTENERS, COMPLETE WITH RIDGE CAP, ALL AROUND PAINTED FASCIA BOARD, AND 400mm OVERHANGS WITH COVERED CEILING	*	
	PREPAINTED ALUMINUM ROOFING SHEETS FIXED ON STANDARD WOODEN TRUSS WITH RUBBER-CAPPED GI FASTENERS, COMPLETE WITH RIDGE CAP, ALL AROUND PAINTED FASCIA BOARD, AND 400mm OVERHANGS WITH COVERED CEILING		*

SCHEDULE OF RC BEAMS

MARK	BEAM SIZE BxH (mm)	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		SHEAR LINKS	REMARKS
		CONTINUOUS	EXTRA IN MIDSPAN	CONTINUOUS	EXTRA OVER SUPPORTS		
GB1	200x400	2T12	-	2T12	-	T8@250	GROUND BEAM
WB2	150x200	2T12	-	2T12	-	T8@250	STRUCTURE BEAM
LB3	150x200	2T12	-	2T12	-	T8@250	
RB4	200x200	2T16	-	2T12	-	T8@250	

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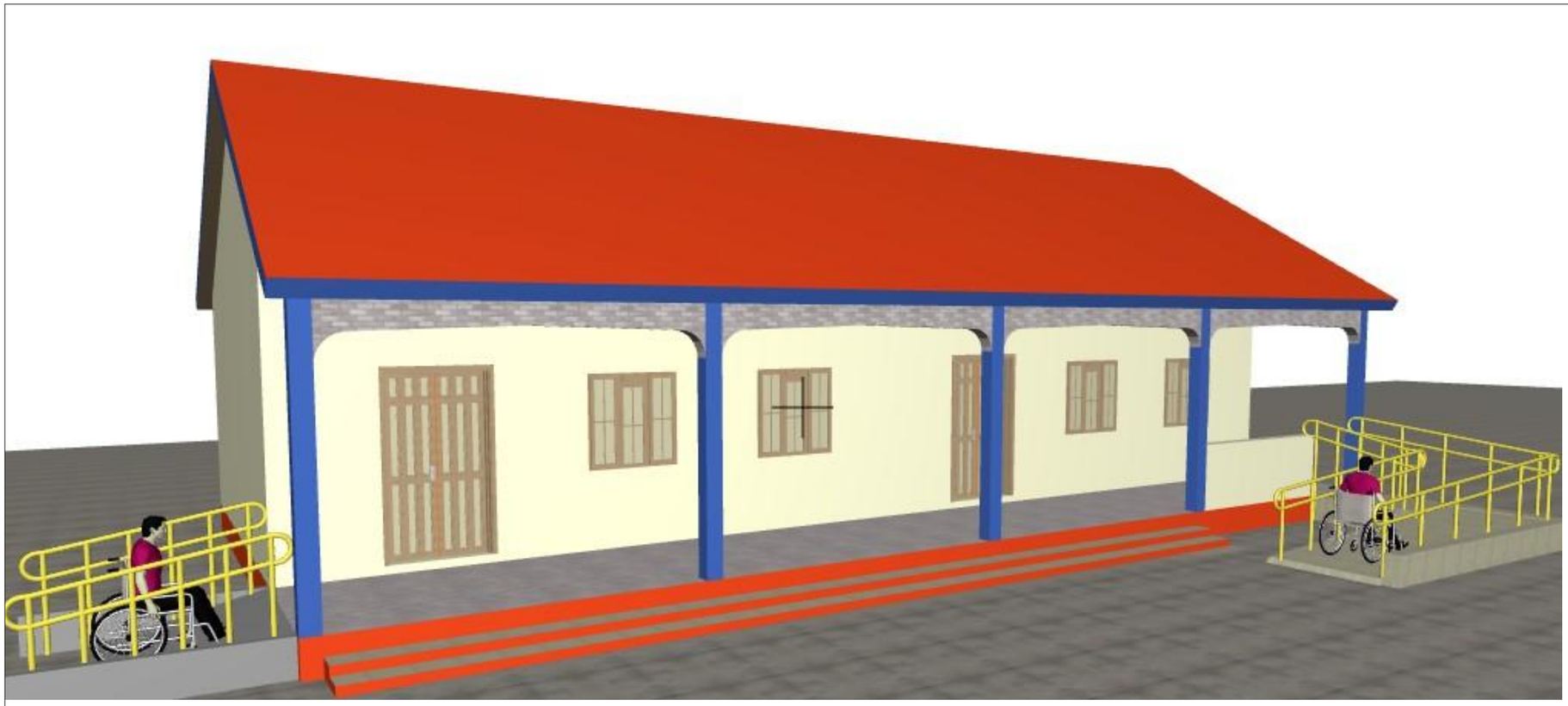

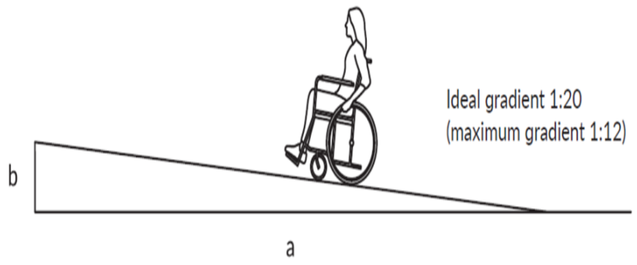

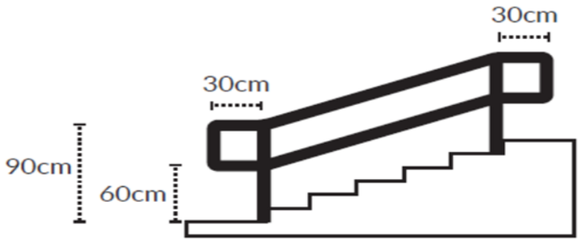

3D BACK ELEVATION

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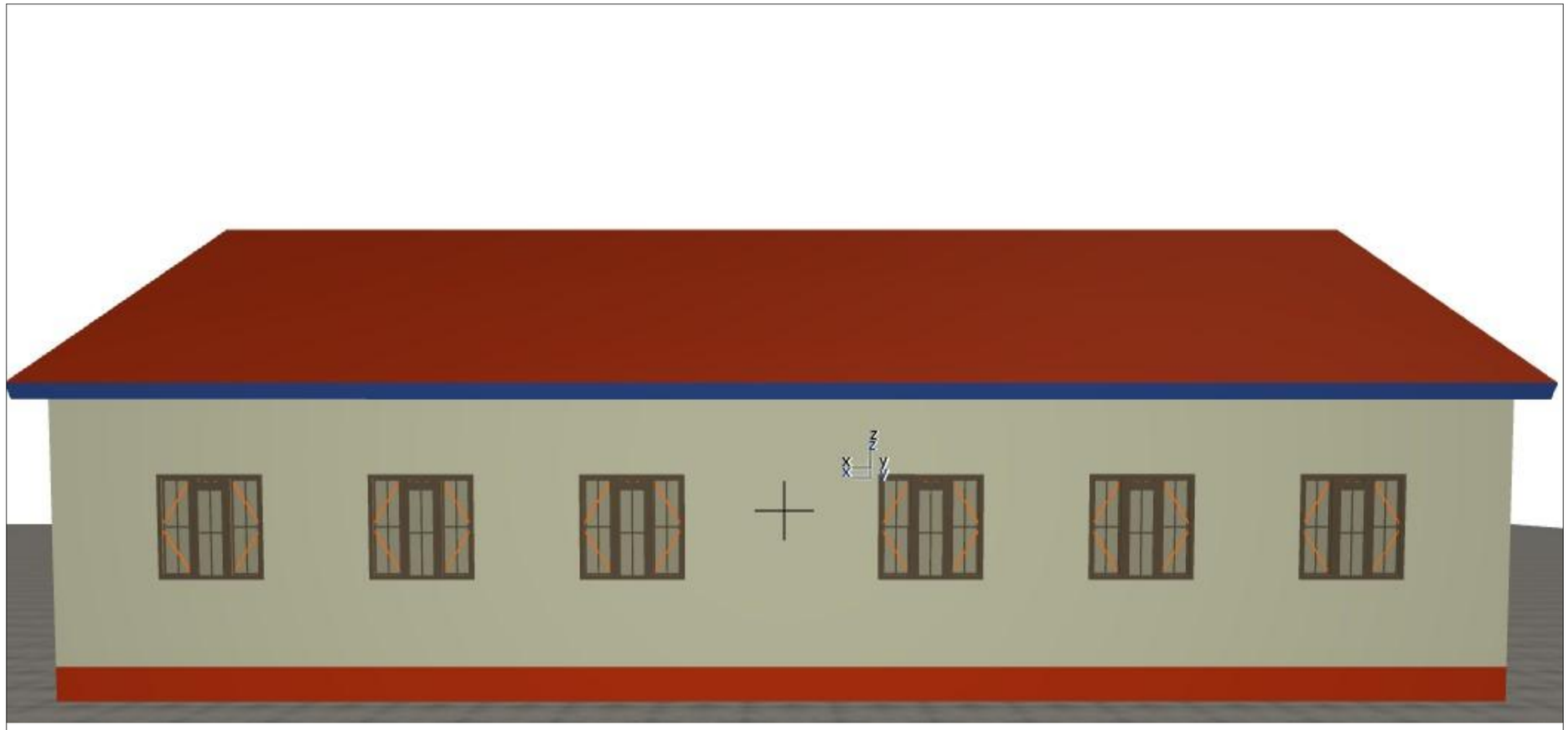

3D BACK ELEVATION

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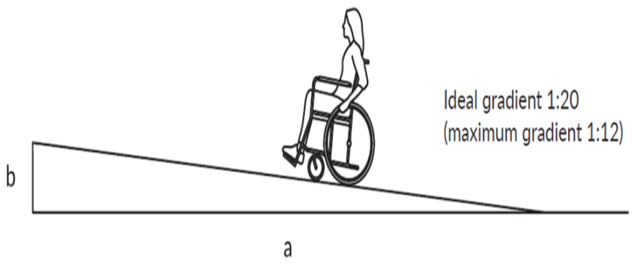

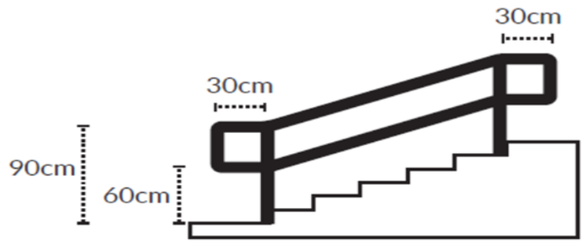

3D FRONT ELEVATION

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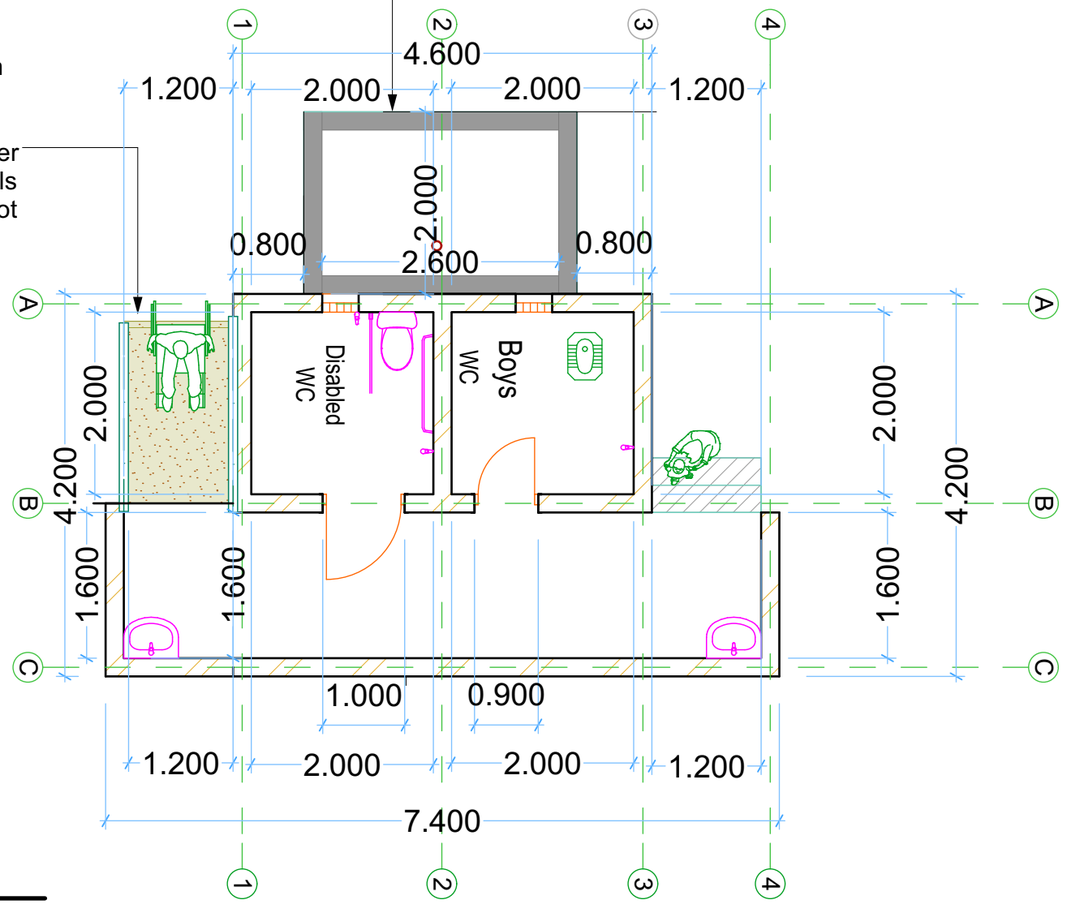
DATE: JUNE 2024	SHEET 10

REVISIONS

Septic tank, with 2x3x5m, with RCC cover slab.

Ramp with Gentle slope with ration of 1:15; the dimension should be1.2m wide x 2m long and apply 8cm of concrete screed to the upper section of the ramp. install handrails both sides of the ram and height not mor than 90cm.



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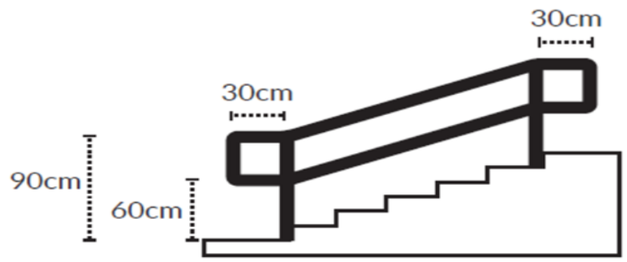

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TITLE: PROPOSED DESIGN DEVELOPMENT OF ONE TWIN OF WASHROOMS

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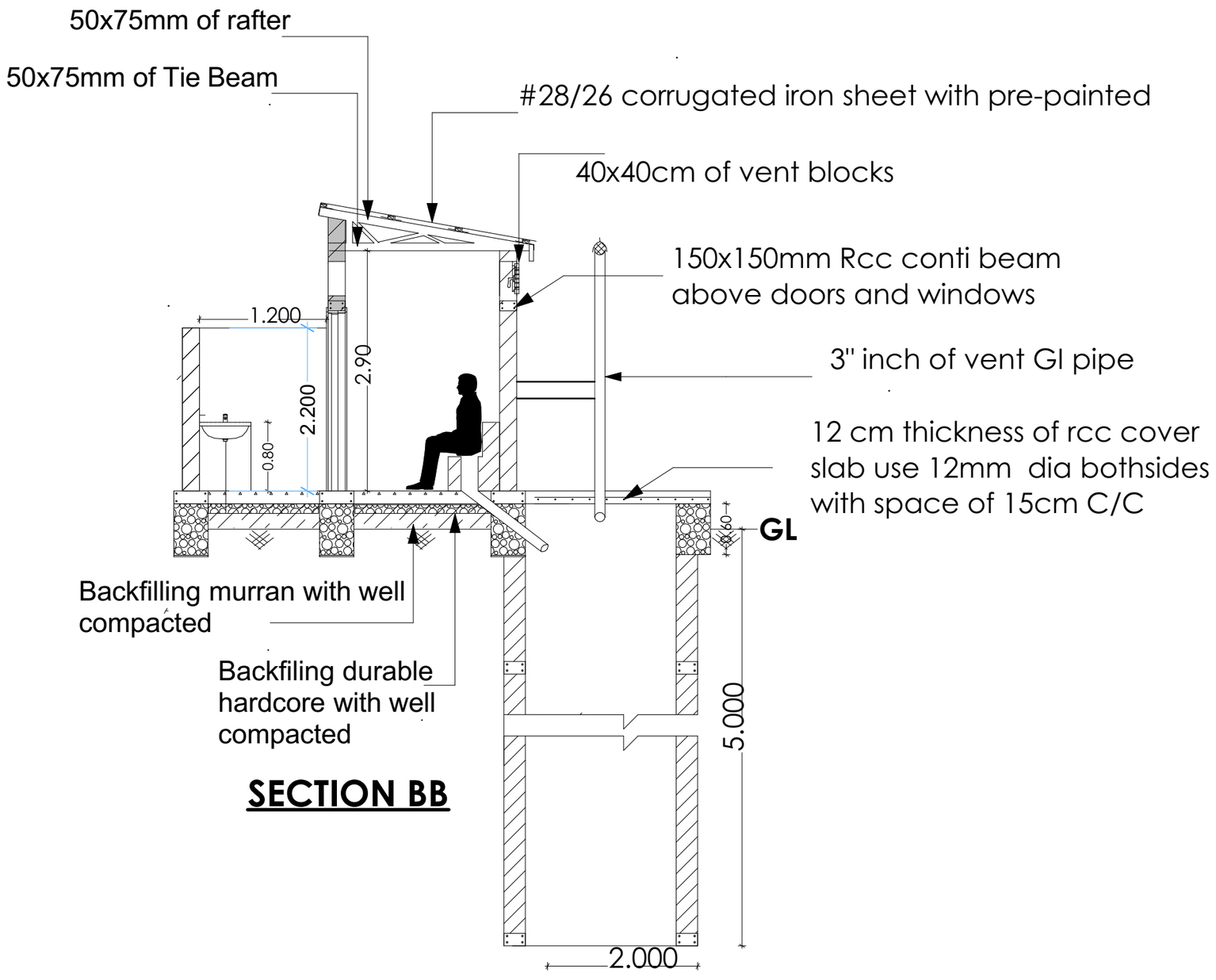
REVISIONS



SECTION BB

SIDE ELEVATION

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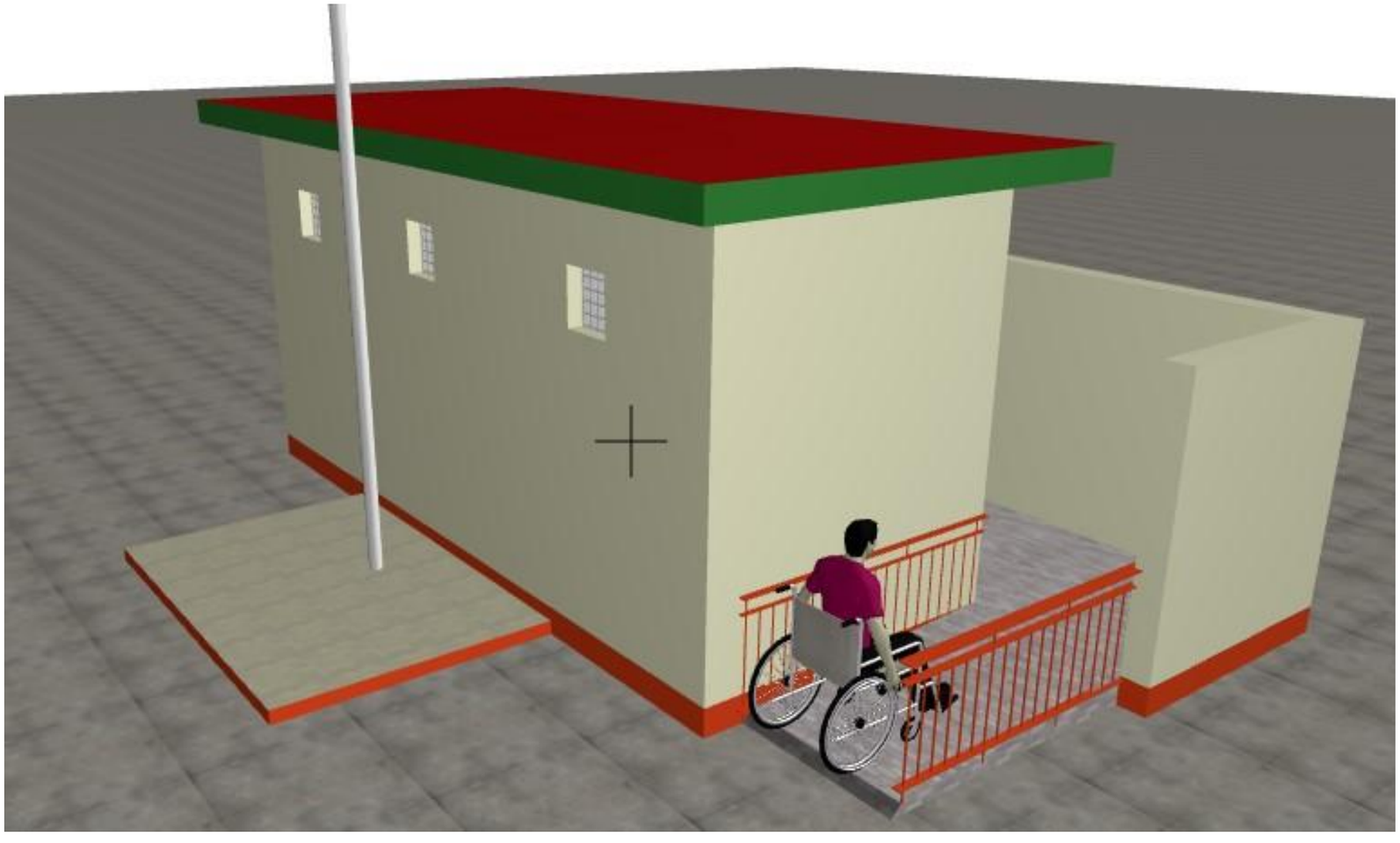
DATE: JUNE 2024	SHEET 03

REVISIONS



3D ELEVATION

GENERAL NOTES

1. This drawing is protected under the copyright act, and cannot be used or reproduced in part or in whole without authors consent
2. All dimensions are in meter unless stated otherwise, read only figured dimensions.
4. All R.C. works to structural engineer's details
5. Contractors must verify all dimensions and levels on site before commencing work. any discrepancies must be reorted to the architect before work is put in hand

DONOR - GPE

GPE Transforming Education

CLIENT - GOVERNMENT OF SOMALIA

GRAND AGENT - SAVE THE CHILDREN

Save the Children

PROGRAM - GPE STG

TITLE: PROPOSED DESIGN DEVELOPMENT OF ONE TWIN OF WASHROOMS

DRAWN BY	CHECKED BY
ENG. BIDHAAN	ENG. KAISE
DATE: JUNE 2024	SHEET 04

REVISIONS