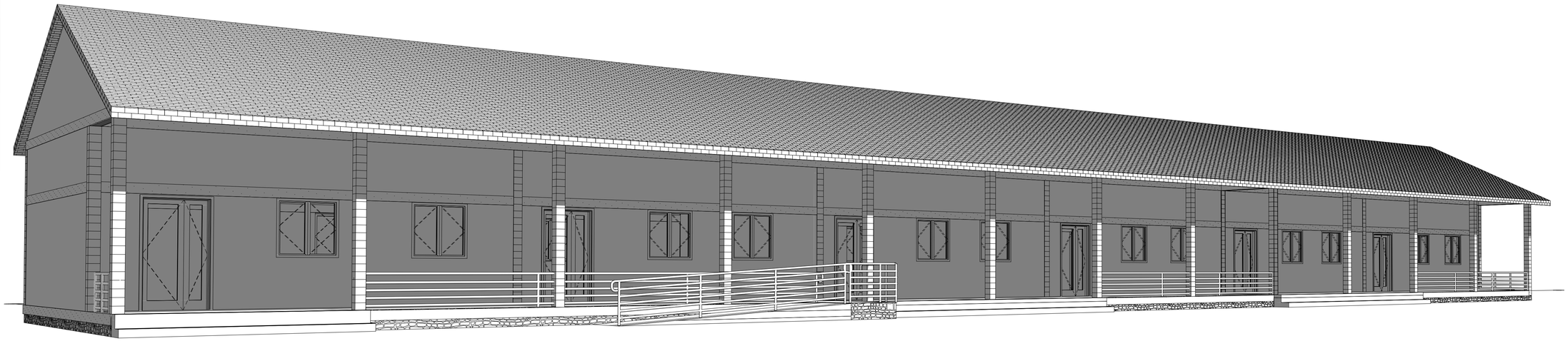


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PROGRAM:

GLOBAL PARTNERSHIP FOR EDUCATION FEDERAL SYSTEM TRANSFORMATION GRANT (GPE STG)

Project:

School

Designed by:	AbdiKani_Program Engineer
Reviewed by:	AbdiShakur_Area Infrastructure Engineer

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#	Description	Date
1		
2		
3		

Monday, November 9, 2026

SHEET TITLE

COVER

Balcad Primary School

Balcad Primary School is Balcad is located approximately 36 km northeast of Mogadishu, in Middle Shabelle Region, Hirshabelle State. It is accessible via the Mogadishu–Balcad main road. (GPS: 2.35606 N, 45.38690 E).

Legend



1 Balcad PS 1:0.57

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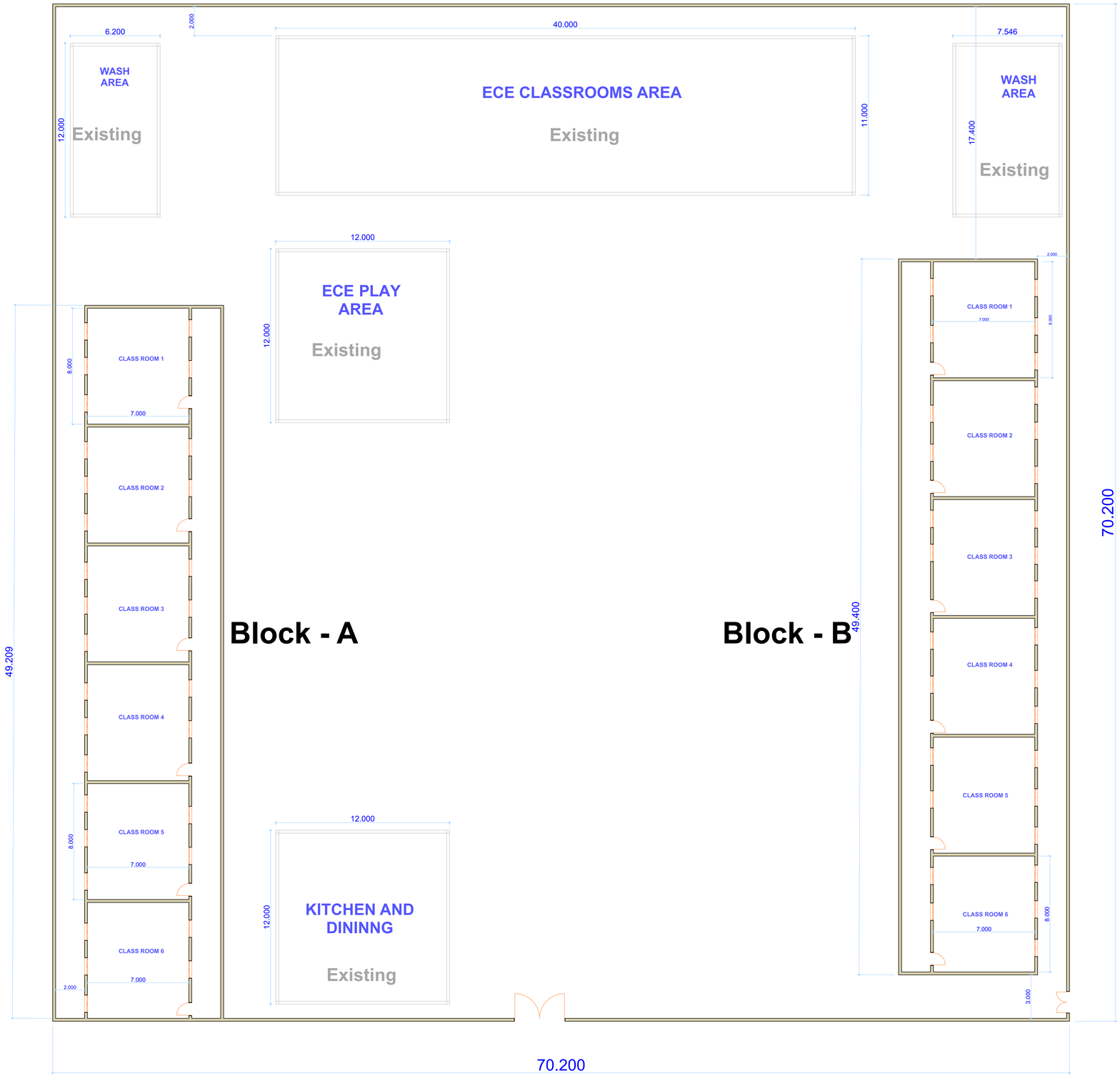
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SHEET TITLE

SITE DEMOLITION PLAN



1 Typical Classroom Design-Balcad 1:0.33

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PROGRAM:
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Project:
Re-construction of School

Designed by:	Zubair_ MoECHE Engineer
Reviewed by:	Bidhan_SCI Program Engineer

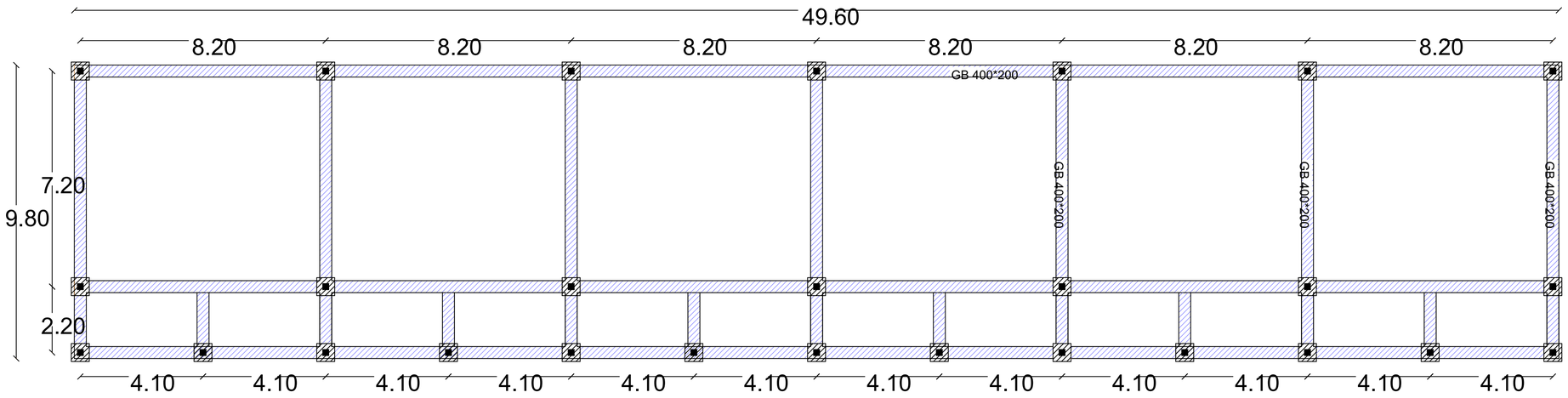
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ARCHITECTURAL SITE PLAN

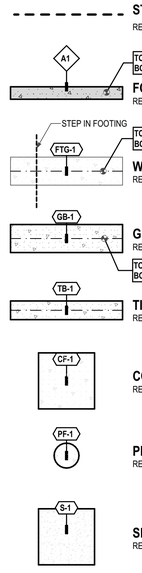


2 CLASSROOMS TYPICAL FOUNDATION LAYOUT 1:87.02

FOUNDATION NOTES

1. REFER TO SHEET X.XX FOR GENERAL NOTES
2. EXTERIOR WALL FACE OF STUD PLACED ON GRID LINES, UNLESS NOTED OTHERWISE
3. REFER TO DIMENSIONAL PLANS FOR DIMENSIONS TO WALLS AND OPENINGS
4. PROJECT BASE ELEV.: < Elevation > REFER TO CIVILS
5. SEE

FOUNDATION LEGEND



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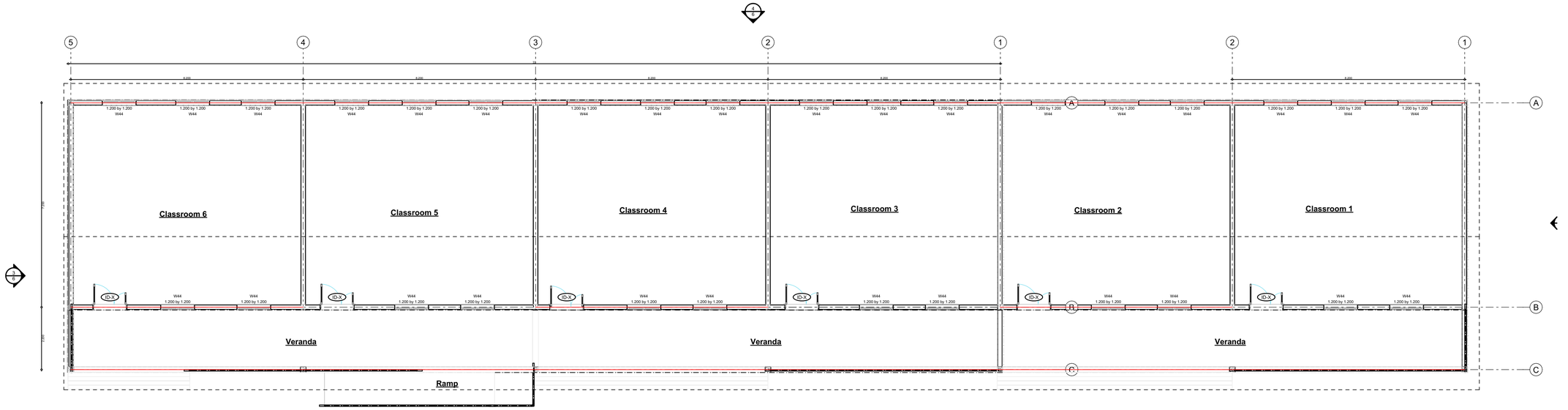
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SHEET TITLE

FOUNDATION LAYOUTS CR



2 Floor Plan (1:50) 1:79.05

FLOOR PLAN NOTES

1. REFER TO SHEET X.XX FOR GENERAL NOTES
2. EXTERIOR WALL FACE OF STUD PLACED ON GRID LINES, UNLESS NOTED OTHERWISE
3. REFER TO DIMENSIONAL PLANS FOR DIMENSIONS TO WALLS AND OPENINGS
4. PROJECT BASE ELEV.: < Elevation > REFER TO CIVILS
5. SEE

WALL TYPES (3/4" VIEW)

A - FOUNDATION & BASEMENT WALLS
A-TYPE REFERS TO STRUCTURAL FOUNDATION AND BASEMENT WALLS. REFER TO FOUNDATION STORY FOR PLACEMENT. REFER TO WALL TYPE SECTIONS FOR DETAILS AND NOTES.
B - EXTERIOR WALLS
B-TYPE REFERS TO EXTERIOR WALLS.
C - INTERIOR WALLS
C-TYPE REFERS TO INTERIOR PARTITIONS AND FINISHED WALLS
D - SHAFT AND MEP WALLS
D-TYPE REFERS TO MECHANICAL SHAFTS
E/F - SPECIALTY PARTITIONS
E/F REFER TO SPECIAL FURNISHED WALLS
G - SITE WALLS
G-TYPE REFERS TO SITE WALLS. SEE ARCHITECTURAL SITE PLAN.

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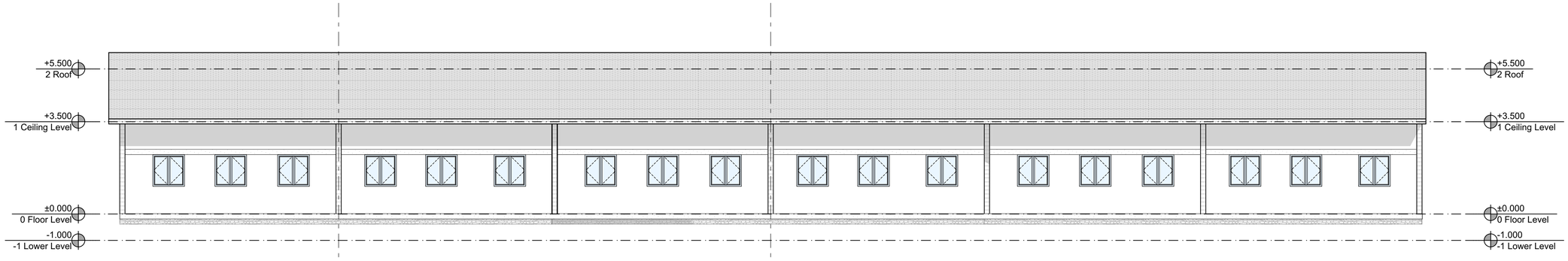
# of Revisions

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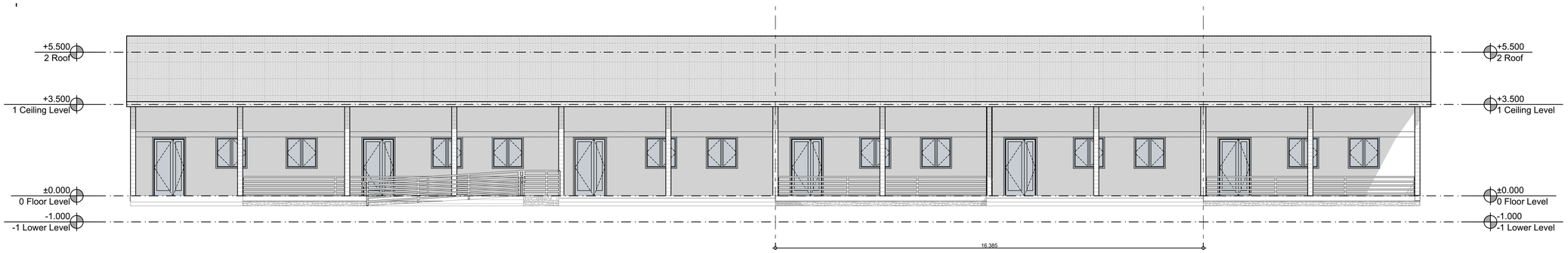
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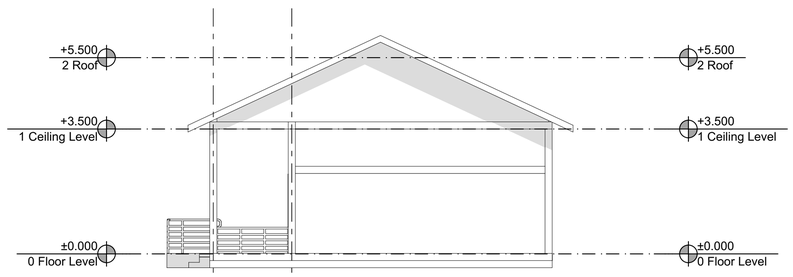
FLOOR PLANS



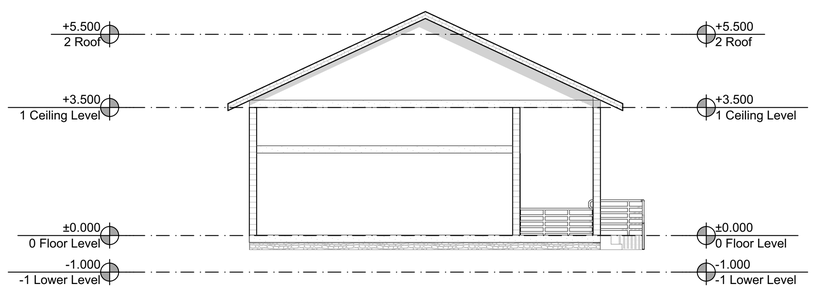
4 SOUTH ELEVATION 1:87.39



2 NORTH ELEVATION 1:88.64



1 WEST ELEVATION 1:85.87



3 EAST ELEVATION 1:83.75

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Project:
School

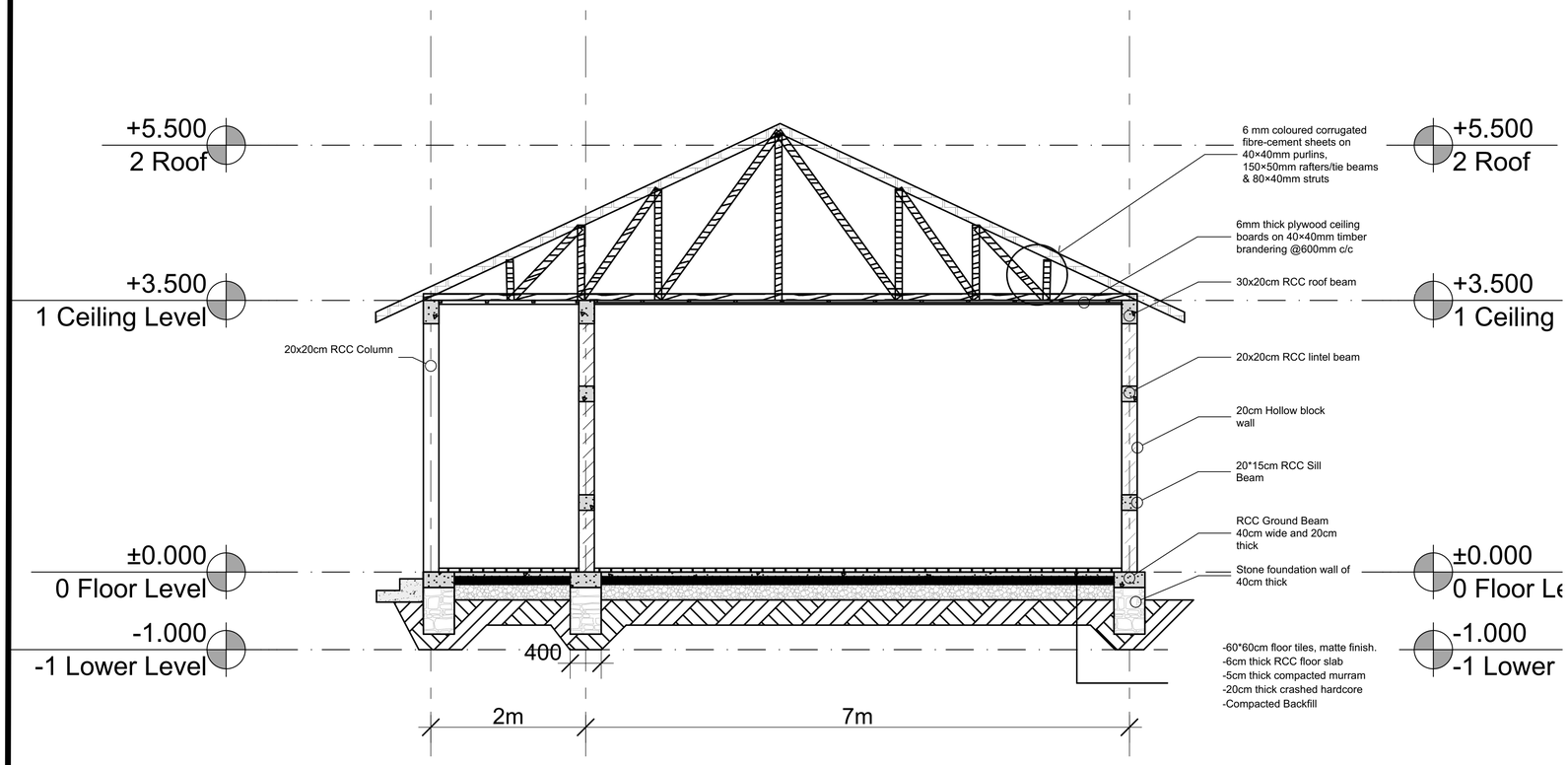
Designed by:	AbdiKani_Program Engineer
Reviewed by:	AbdiShakur_Area Infrastructure Engineer

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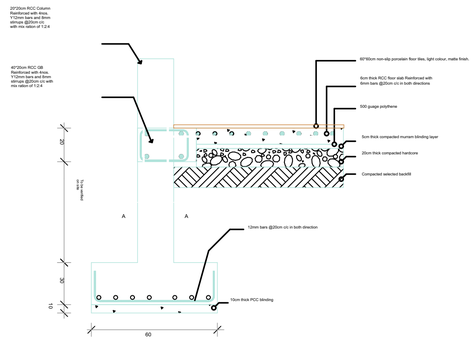
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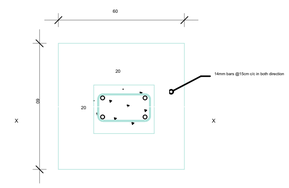
SHEET TITLE
ELEVATIONS



SECTION 1



Section X-X



Typical footing

F1 floor plan

2 FOOTING 1:67.77

FGS 1:1.02

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Reviewed by:	AbdiShakur_Area Infrastructure Engineer

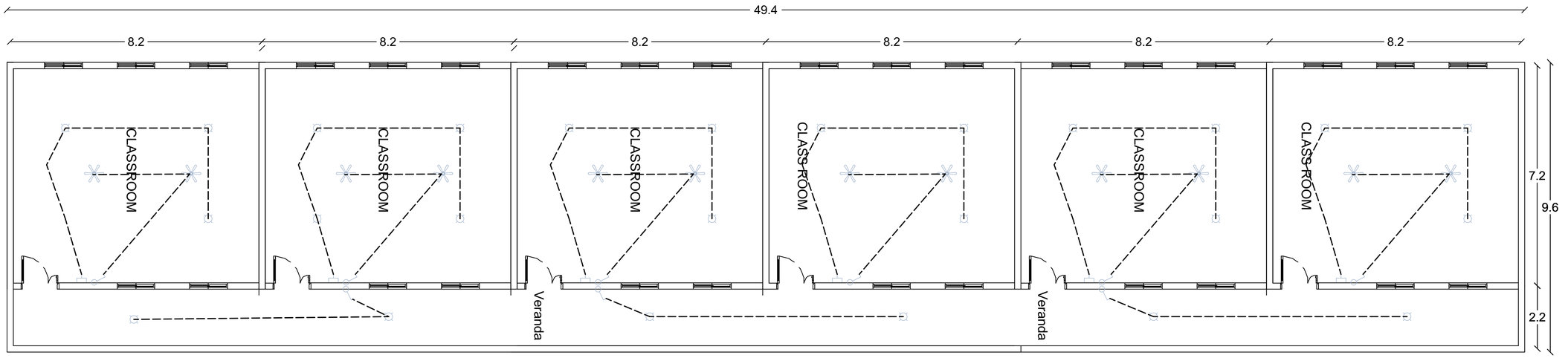
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SHEET TITLE

SECTIONS



1 TYPICAL ELECTERICAL LAYOUT FOR CLASSROOM 1:72.33

LIGHTING PLAN NOTES

1. REFER TO SHEET X.XX FOR GENERAL NOTES
2. EXTERIOR WALL FACE OF STUD PLACED ON GRID LINES, UNLESS NOTED OTHERWISE
3. REFER TO DIMENSIONAL PLANS FOR DIMENSIONS TO WALLS AND OPENINGS
4. PROJECT BASE ELEV.: < Elevation > REFER TO CIVILS
5. SEE

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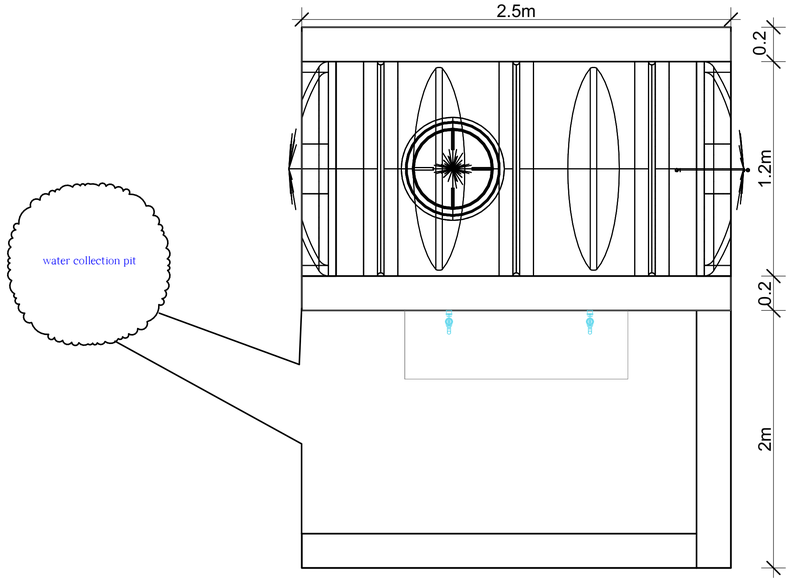
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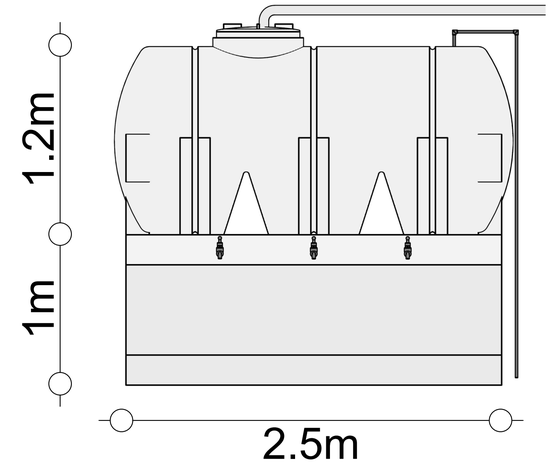
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SHEET TITLE

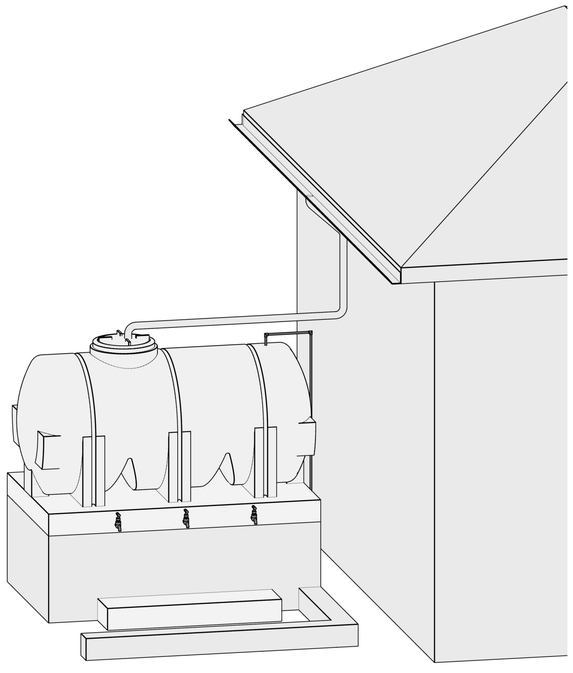
ELECTRICAL LAYOUT



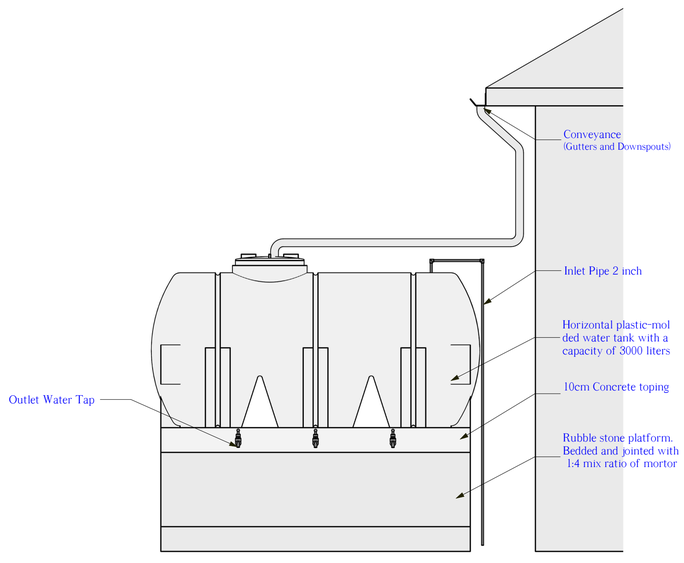
2 Plan 1:48.50



1 Front View 1:13.83



3 3D 1:27.92



4 Elevation View 1:16.80

1 Ground Water Tank 1:1.04

1 Ground Water Tank 1:1

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Project:
School

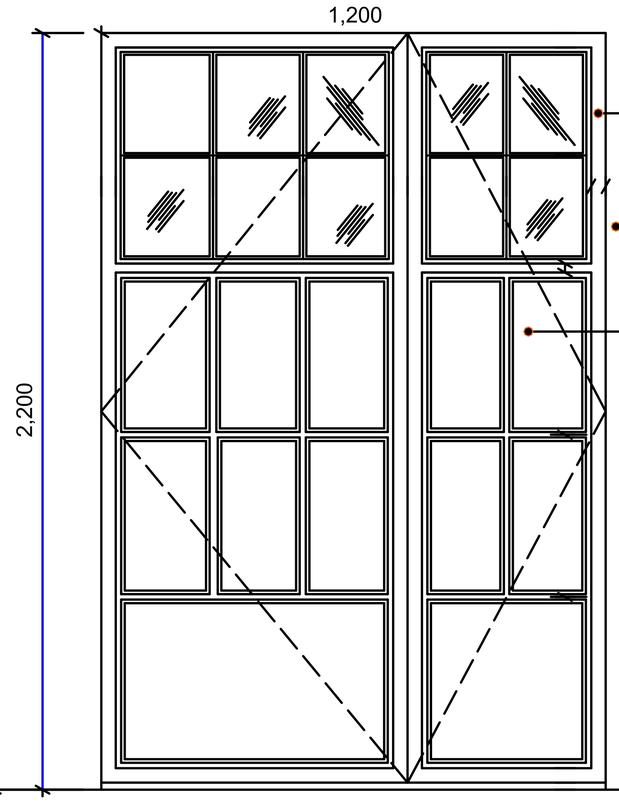
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3		

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SHEET TITLE
GROUND WATER TANK



40x40x2mm RHS
shutter door frame.

50x50x2mm
metal door frame.

16 gauge black sheet
panel painted to approval.

D 1 .

SIZE

1200X2200mm

DESCRIPTION

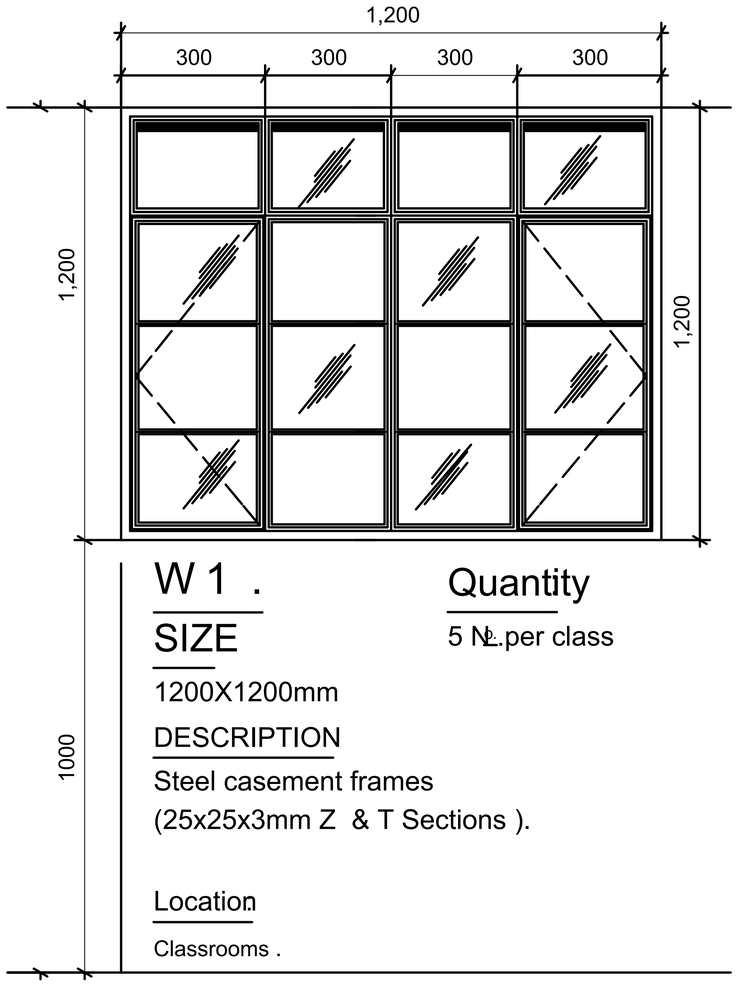
Metal panel door fixed with 40x40x2mm
Metal frames with 25x25x2mm Z & T

Location

Classrooms .

Quantity

1 №.per class



W 1 .

SIZE

1200X1200mm

DESCRIPTION

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

Location

Classrooms .

Quantity

5 №.per class

DOORS AND WINDOWS DETAILS

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SHEET TITLE
DOOR & WINDOWS SCHEDULES

SCHEDULE OF RC BEAMS

MARK	BEAM SIZE BxH (mm)	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		SHEAR LINKS	REMARKS
		CONTINUOUS	EXTRA IN MIDSPAN	CONTINUOUS	EXTRA OVER SUPPORTS		
GB	200x400	2T12	-	2T12	-	T8@200	GROUND BEAM
LB	200x200	2T12	-	2T12	-	T8@200	LINTEL BEAM
RB	300x200	2T12	-	2T12	-	T8@200	ROOF BEAM
Sill B	15x200	2T12	-	2T12	-	T8@200	SILL BEAM

SCHEDULE OF FINISHES

	DESCRIPTION	DESCRIPTION INLAND AREA	DESCRIPTION COASTAL AREAS
FLOOR	600×600×9MM LIGHT-COLOURED, MATTE-FINISH, NON-SLIP PORCELAIN TILES WITH MATCHING GROUT, ON TOP OF 6CM THICK RCC SLAB (1:2:4), REINFORCED WITH Y8@200MM C/C BOTH WAYS	*	
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	6MM THICK PLYWOOD CEILING BOARDS ON 40×40MM TIMBER BRANDERING @600MM C/C, INCLUDING CORNICE, JOINT TREATMENT AND TWO COATS OF APPROVED PAINT FINISH..	*	
ROOF	30G CGI SHEETS ON 40×40MM PURLINS, 150×50MM RAFTERS/TIE BEAMS & 100×50MM STRUTS, WITH GI STRAPS AT PURLIN-RAFTER CONNECTIONS AND 200×20MM FASCIA	*	
	6MM COLOURED CORRUGATED FIBRE-CEMENT ROOFING SHEETS FIXED ON 40×40MM PURLINS @ 400MM C/C, 150×50MM RAFTERS/TIE BEAMS & 80×40MM STRUTS, WITH GI STRAPS AT PURLIN-RAFTER CONNECTIONS AND 200×20MM FASCIA.		*

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SHEET TITLE
BEAMS AND FINISH SCHEDULES

TOILET STALL MANUEVERABILITY

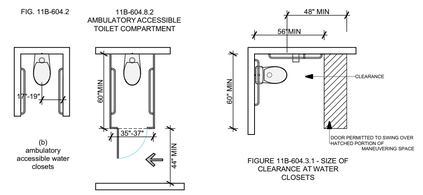


FIGURE 11B-604.3.1 - SIZE OF CLEARANCE AT WATER CLOSETS

FIGURE 11B 604.3.1: SIZE OF CLEARANCE AT WATER CLOSETS

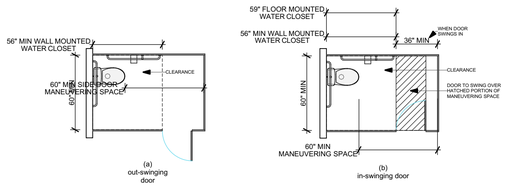


FIGURE 11B 604.8.1.1.2: MANUEVERING SPACE WITH SIDE-OPENING DOOR

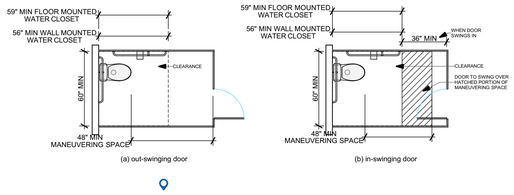
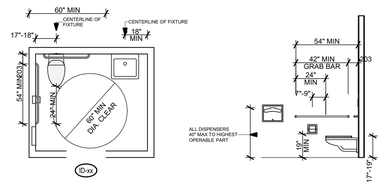


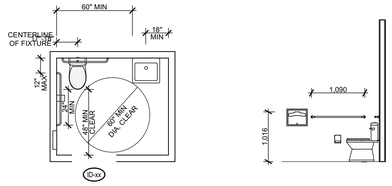
FIGURE 11B 604.8.1.1.3: MANEUVERABLE SPACE WITH END OPENING

ACCESSIBLE RESTROOMS

WALL MOUNTED



FLOOR MOUNTED WATER CLOSET



SINGLE ACCOMMODATION TOILET FACILITY

ADA STALL

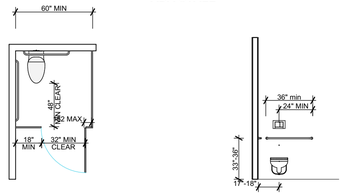
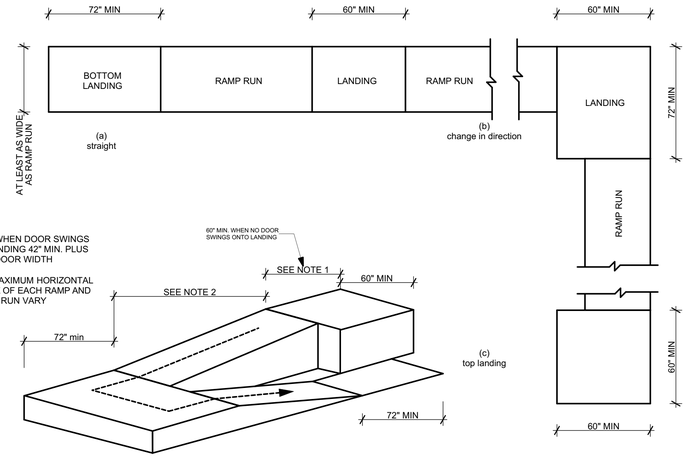


FIGURE 11B-604.7
DISPENSER OUTLET LOCATION

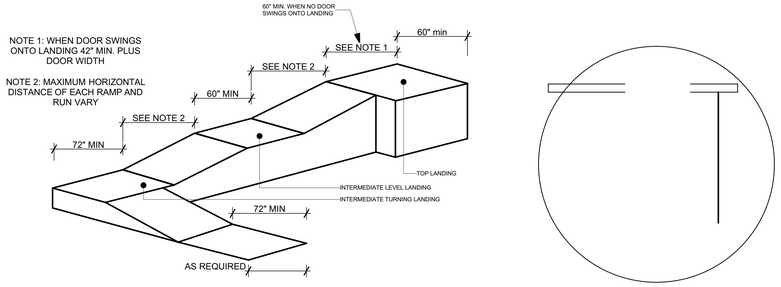
FIGURE 11B-604.5.1
SIDE WALL GRAB BAR AT WATER CLOSETS

ACCESSIBLE WATER CLOSET COMPARTMENT WITHIN A
MULTIPLE-ACCOMMODATION TOILET FACILITY

RAMPS



RAMP WITH INTERMEDIATE SWITCH BACK PLATFORM



RAMP WITH TURNING PLATFORM

2 TOILETS 1:62.59

1 RAMPS 1:50

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School

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Reviewed by:	AbdiShakur_Area Infrastructure Engineer

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SHEET TITLE
ACCESSIBILITY CODE DIAGRAM