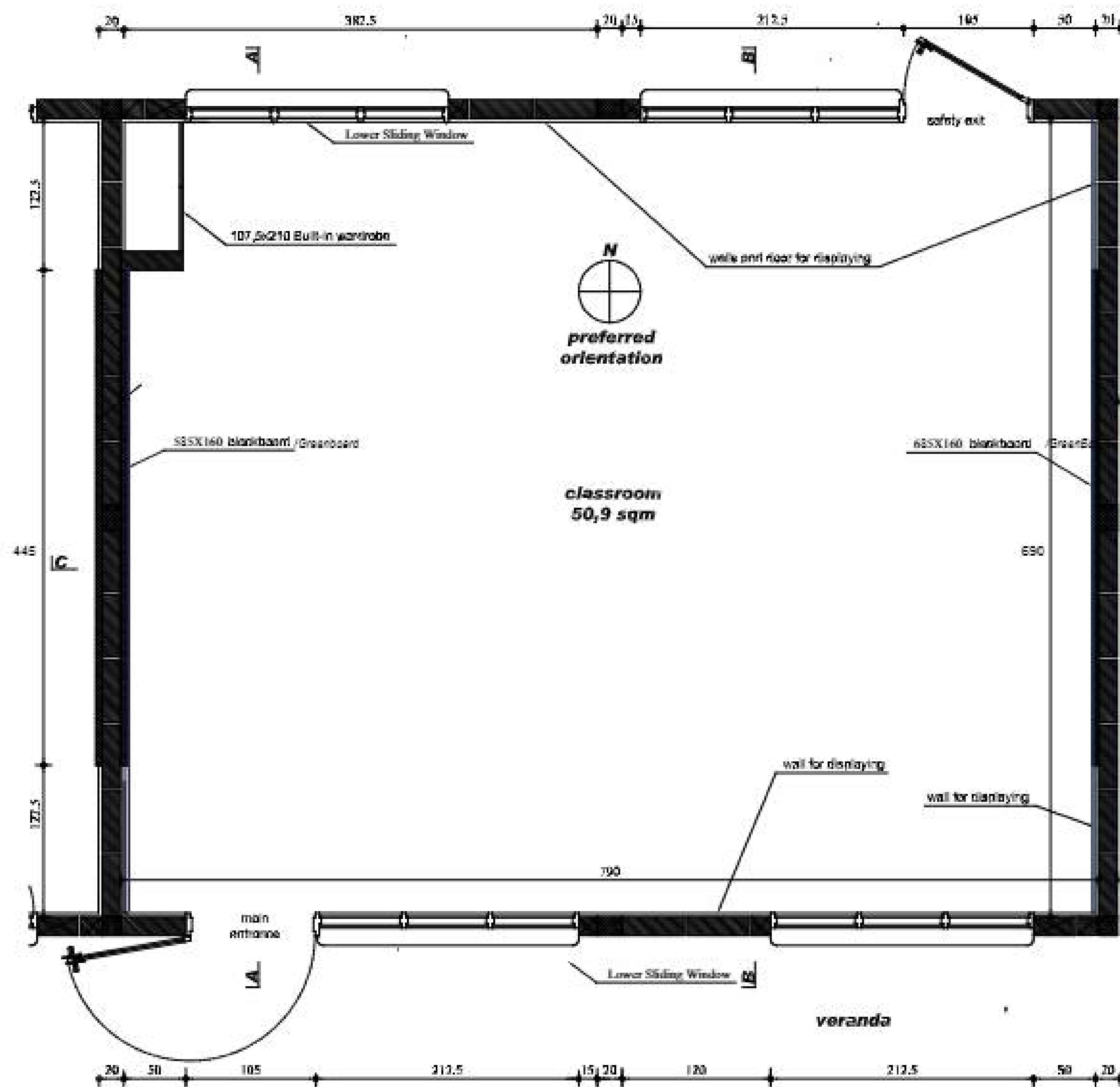


Child Friendly School - classrooms building

typical plan



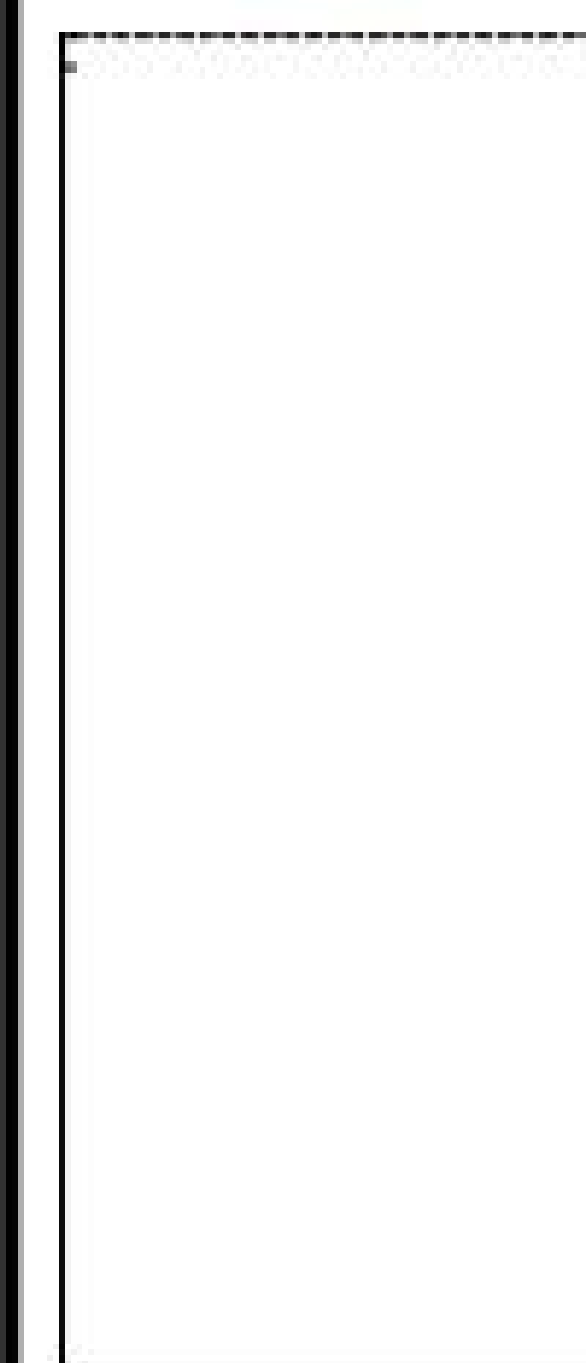
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS

IDENTIFICATION: MINEDUC

LOCATION:

DRAWN BY: MHA

CHECKED BY: MINEDUC

SCALE:

DATE: August, 2022

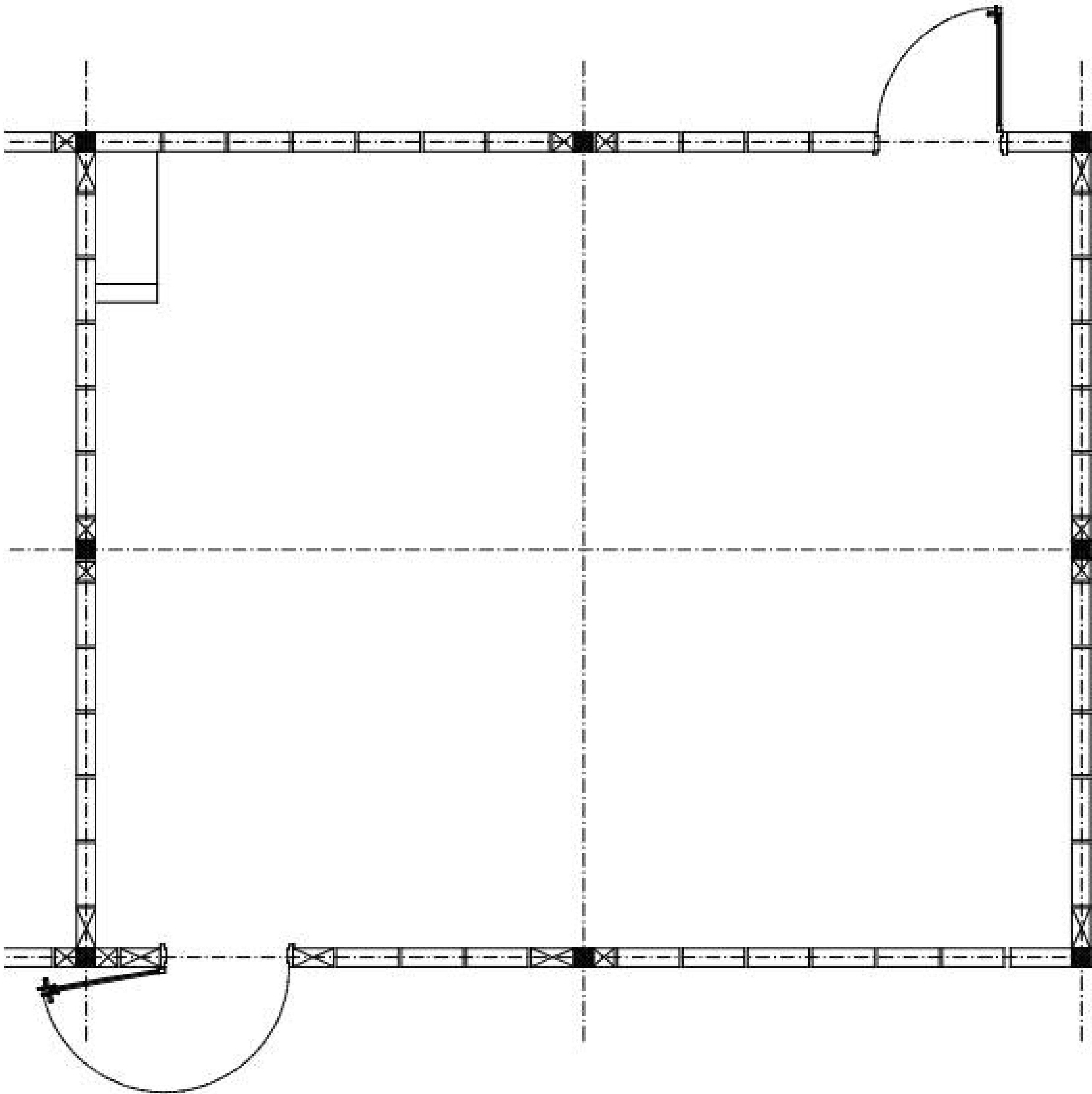
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PAPER SIZE

A1

DRAWING CODE / SHEET NUMBER

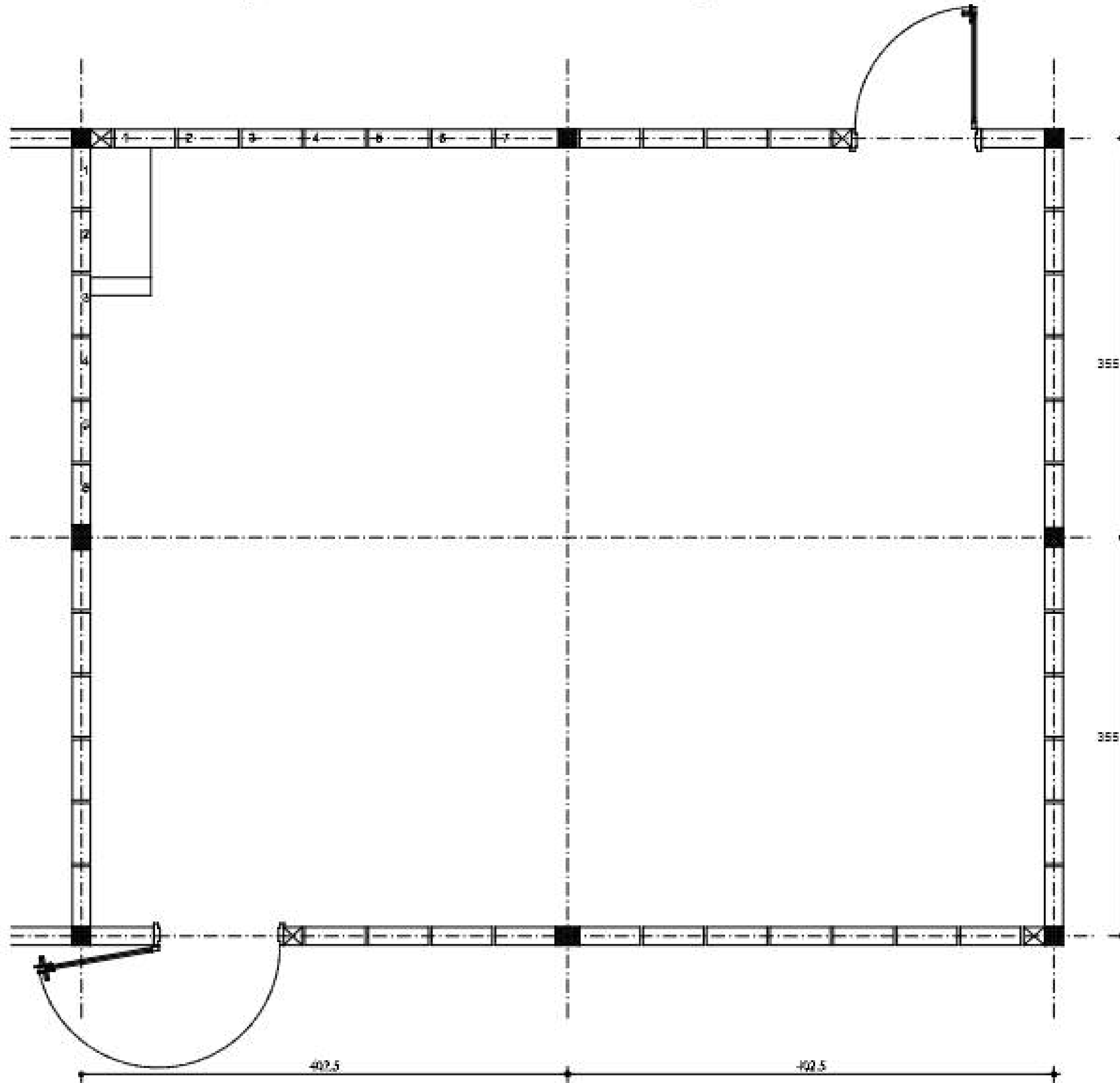
Child Friendly School - classrooms building



typical plan even layout

PROJECT		
CONSTRUCTION OF CLASSROOMS COUNTRY WIDE		
SCHOOL		
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Drawing: CLASSROOMS		
REVISIONS		
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DATE: August, 2023		
SHEET TITLE		
TYPICAL PLAN		
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A1		
DRAWING CODE / SHEET NUMBER		

Child Friendly School - classrooms building



typical plan odd layout

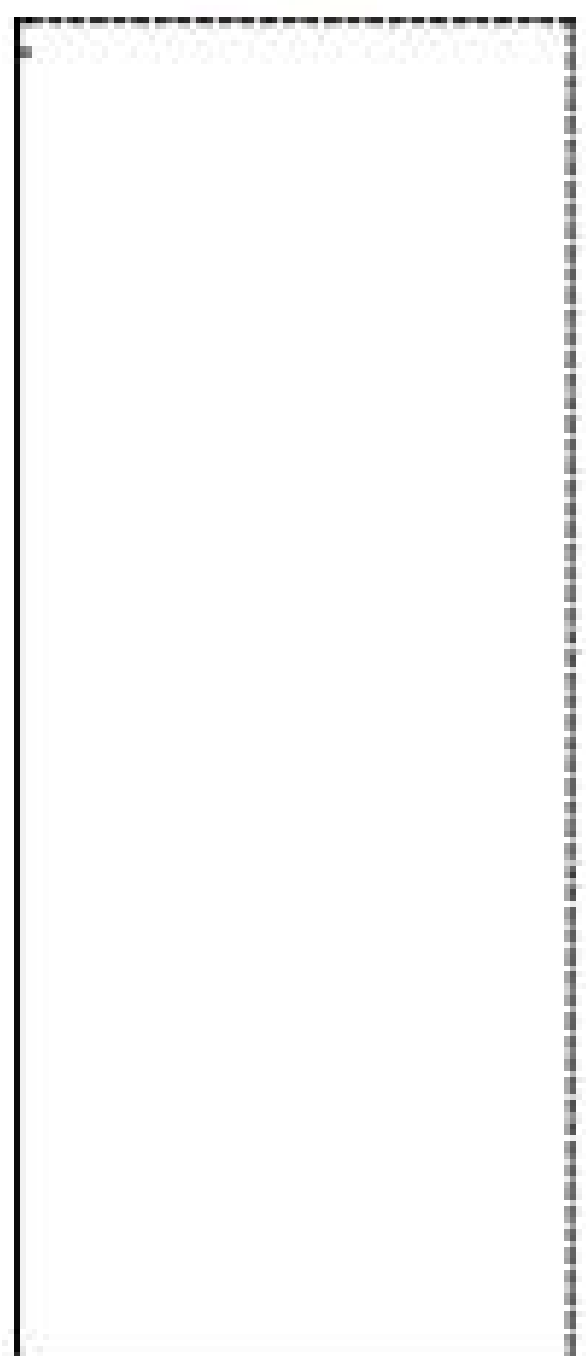
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

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DETAILS

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LOCATION:

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CHECKED BY:

SCALE:

DATE: August, 2022

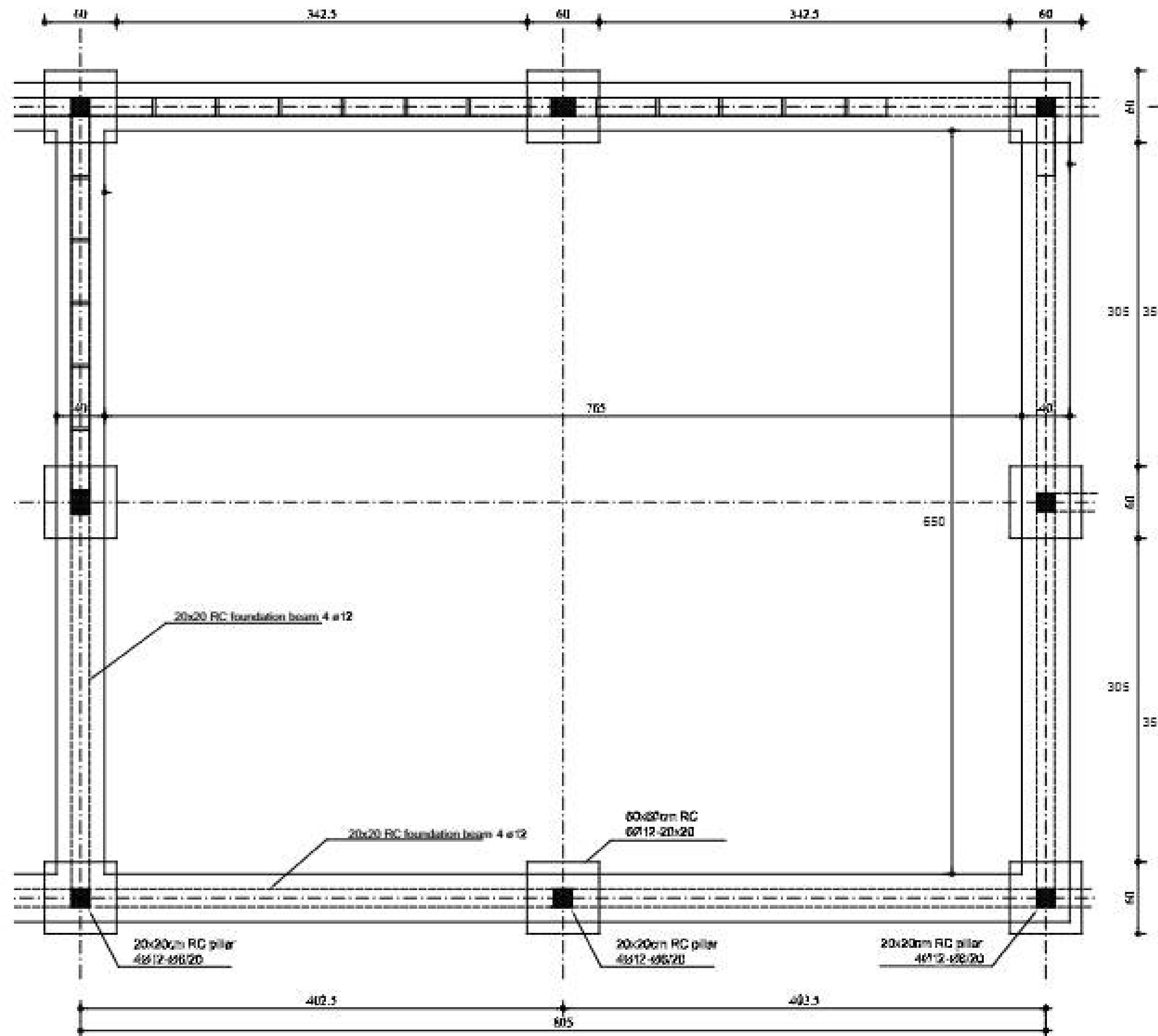
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PAPER SIZE

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DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building



typical plan foundation

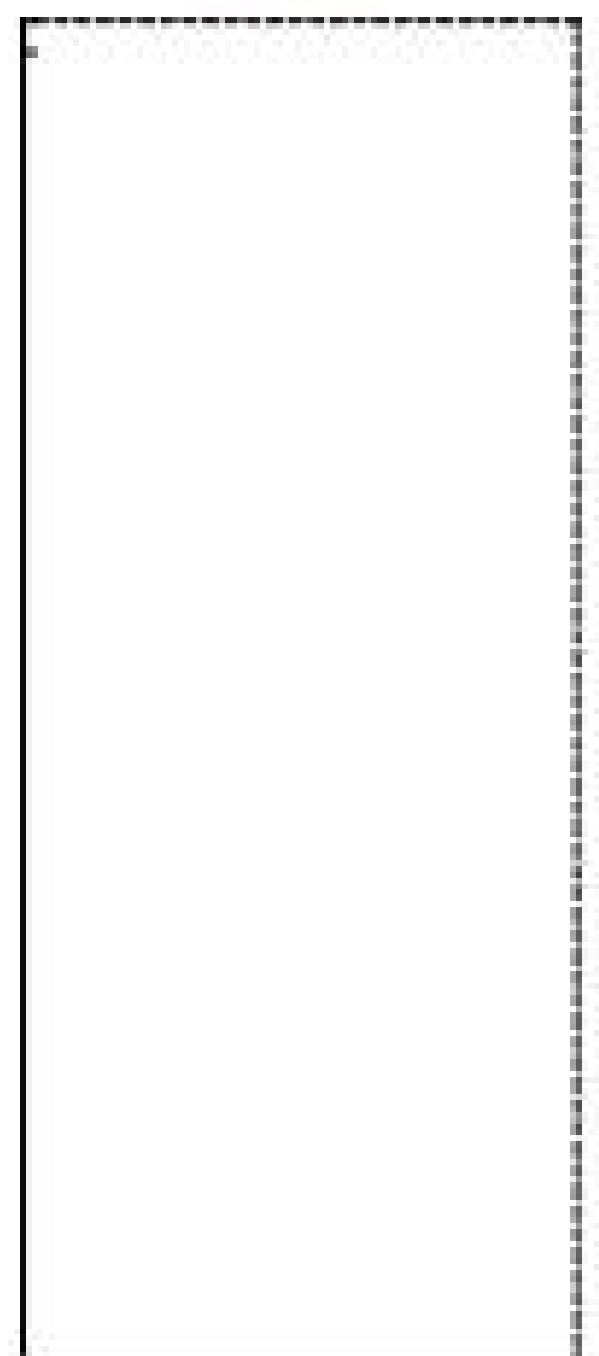
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS		
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 LOCATION:
 DRAWN BY: MHA
 CHECKED BY: MINEDUC
 SCALE:
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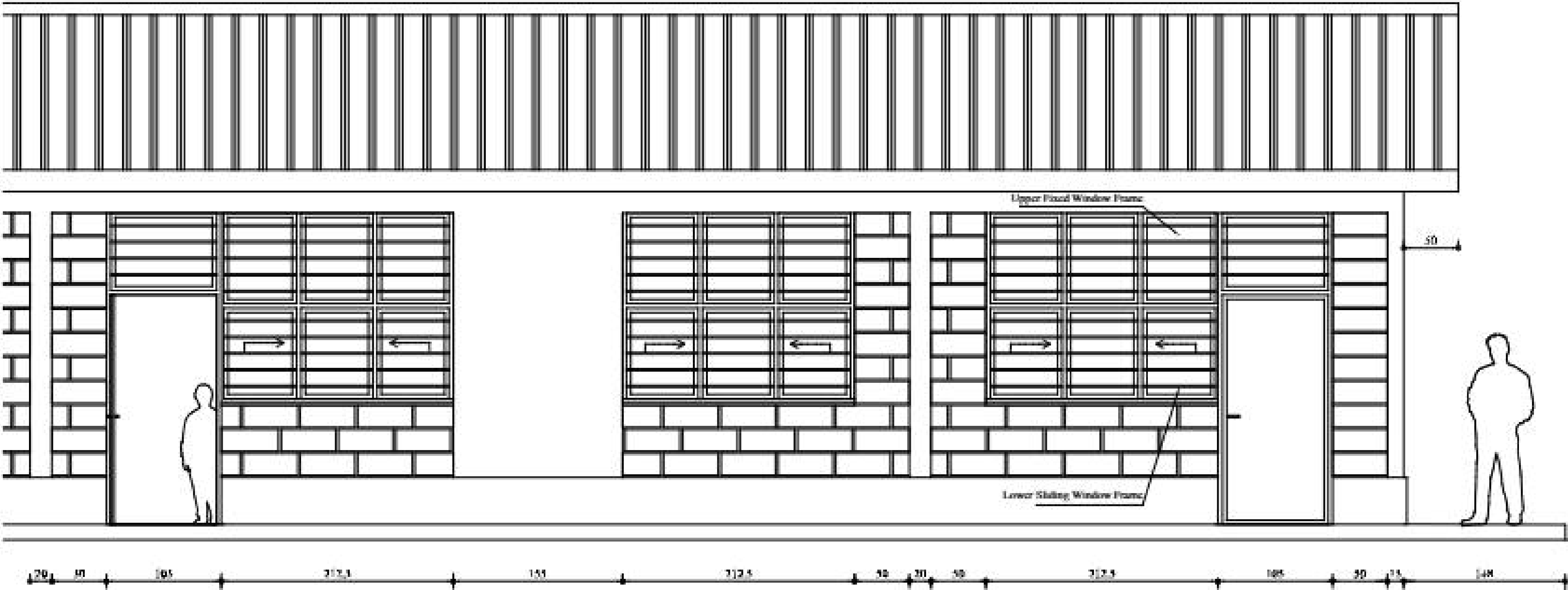
PAPER SIZE

A1

DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

typical N-S front elevation



PROJECT

CONSTRUCTION OF CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



RHA

Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS

IDENTIFICATION: MINEDUC

LOCATION:

DRAWN BY: RHA

CHECKED BY: MINEDUC

SCALE:

DATE: August, 2022

SHEET TITLE

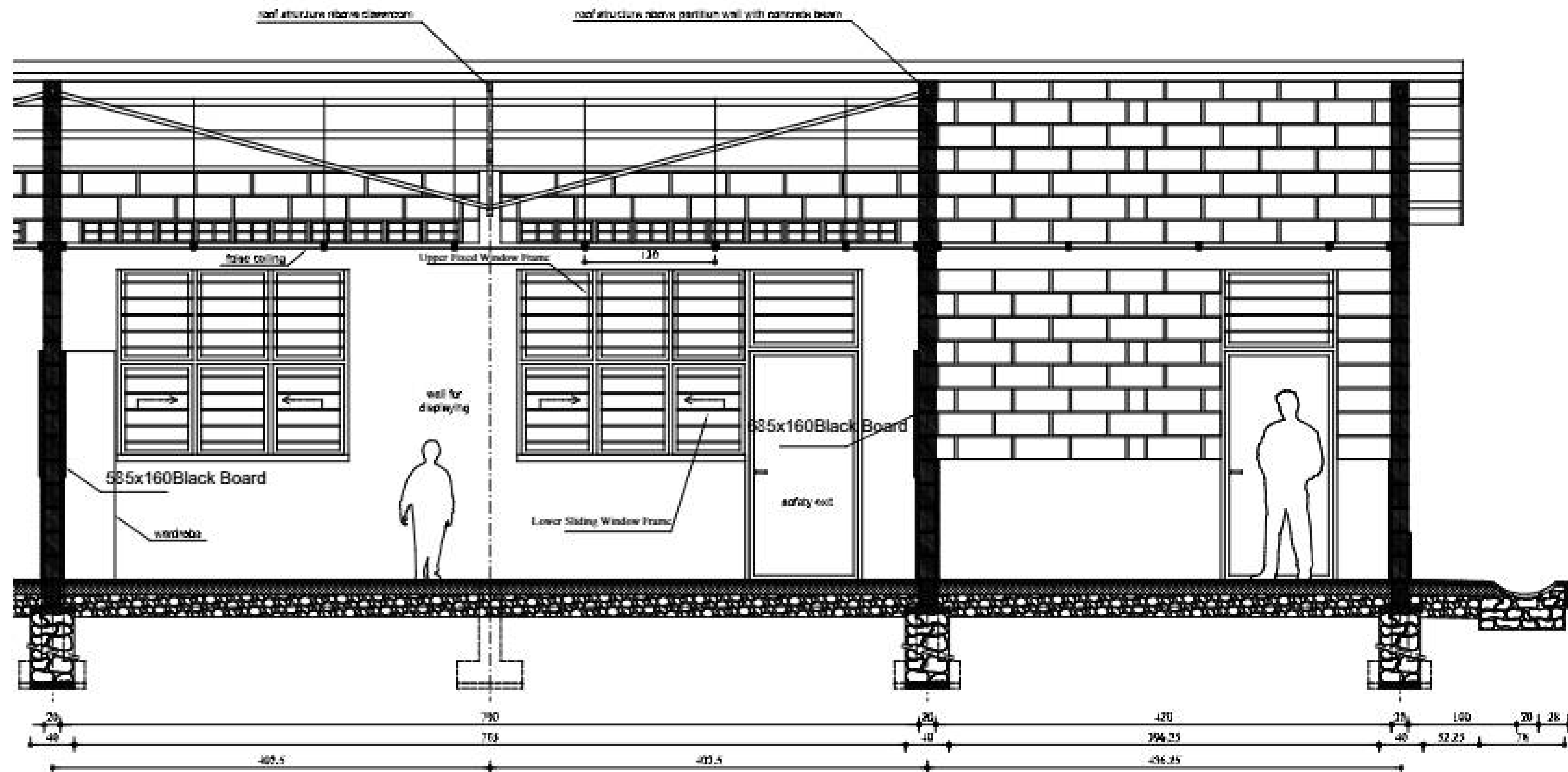
PAPER SIZE

A1

DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

typical longitudinal section C-C



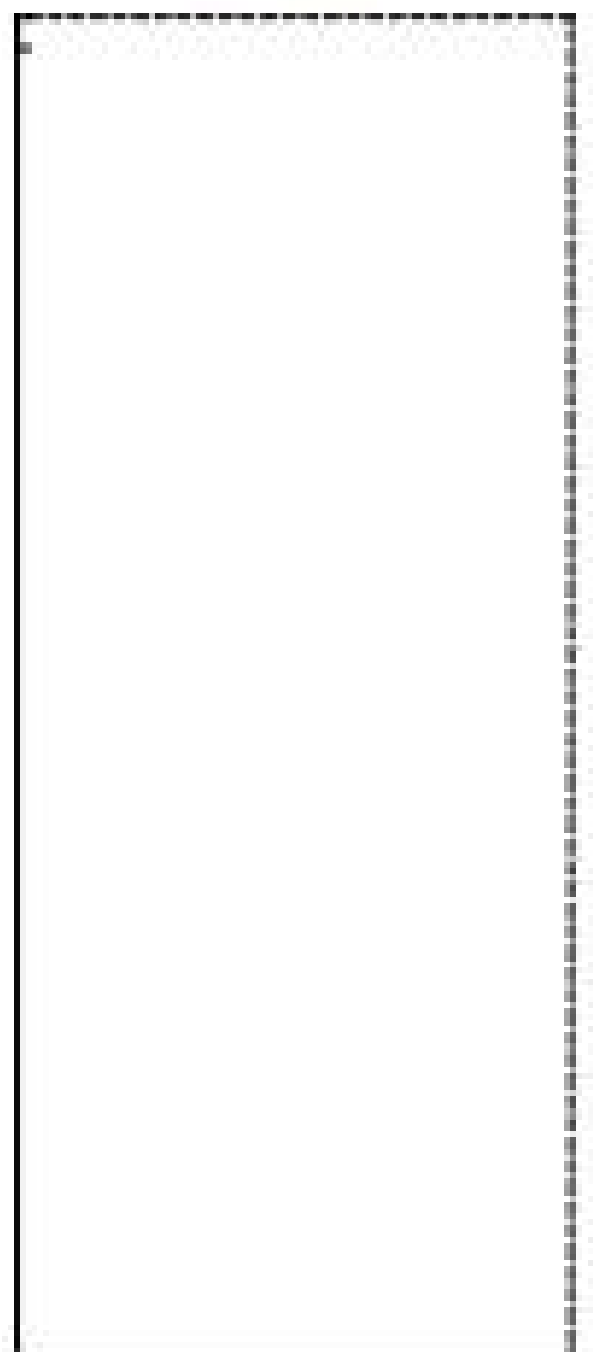
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS
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 LOCATION:
 DRAWN BY: HA
 CHECKED BY: MINEDUC
 SCALE:

DATE: August, 2022

SHEET TITLE

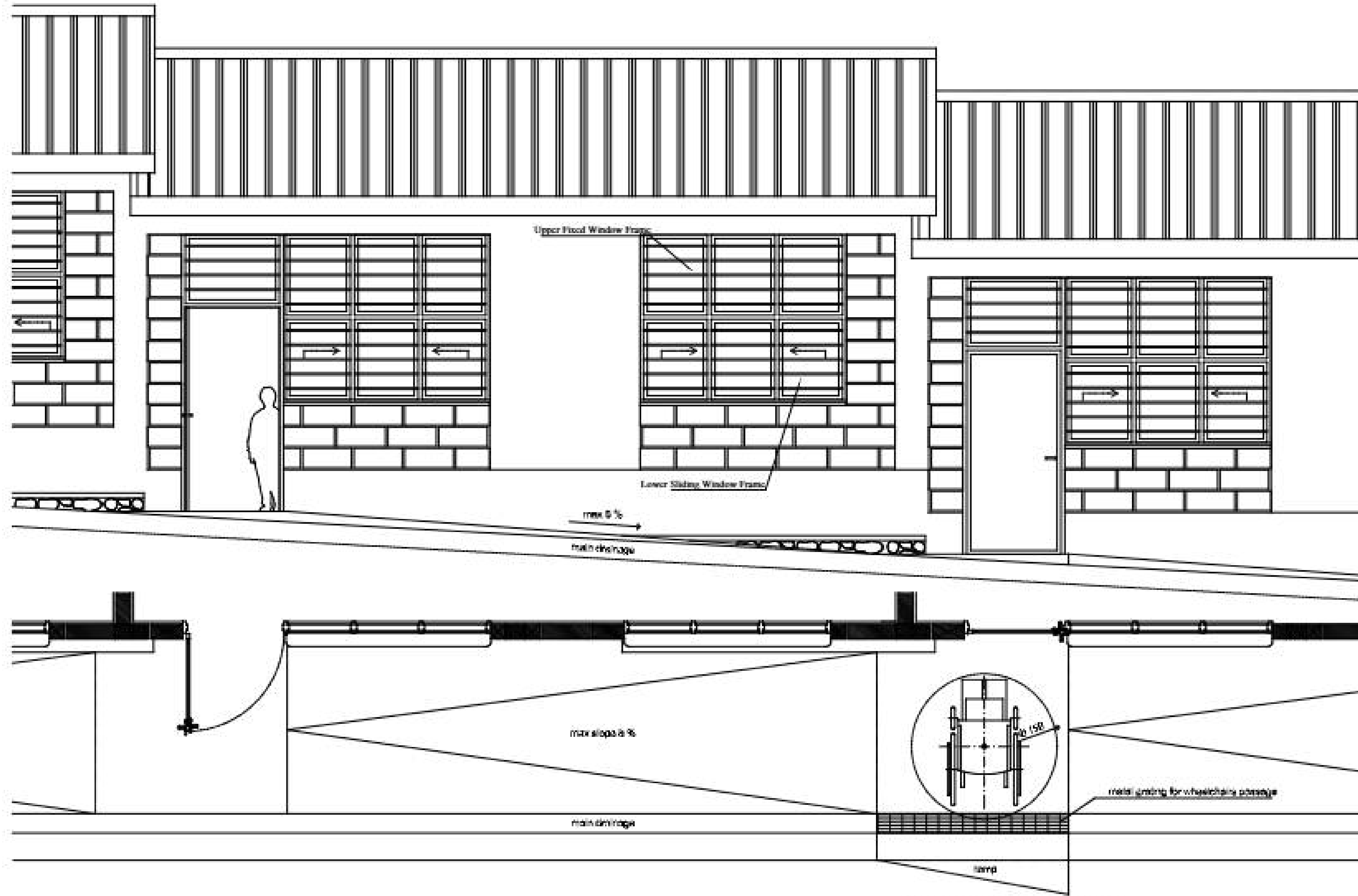
PAPER SIZE

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DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

typical N-S front elevation when on smooth slope



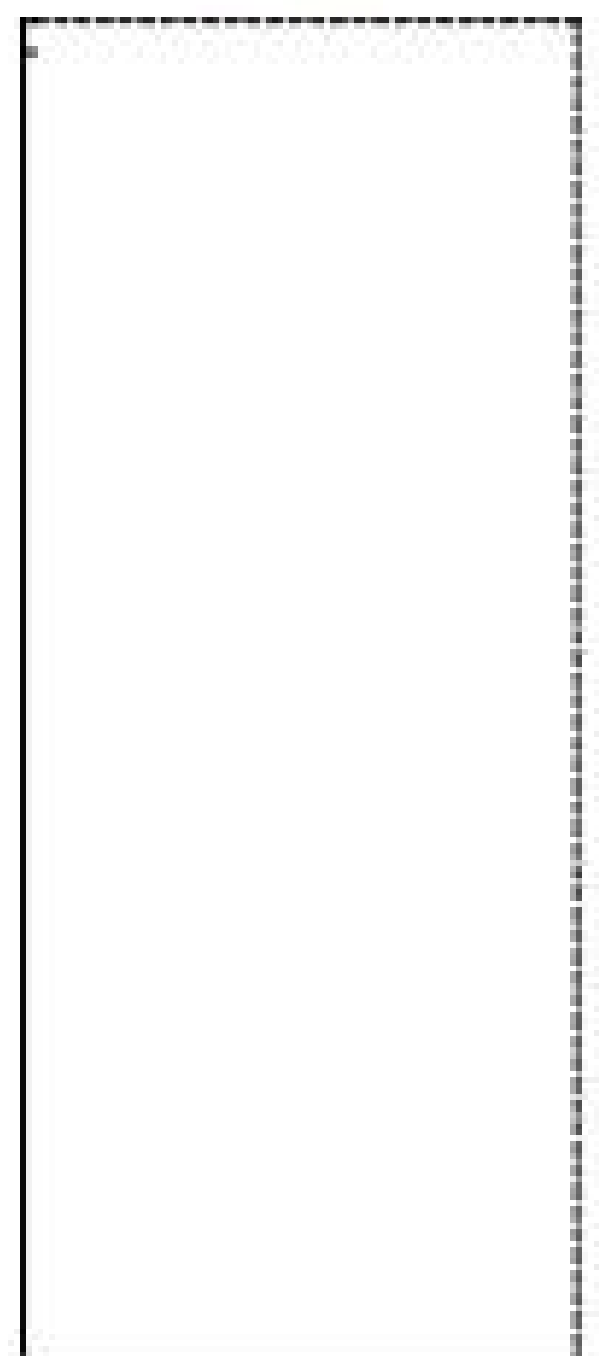
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS

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LOCATION:

DRAWN BY: MHA

CHECKED BY: MINEDUC

SCALE:

DATE: August, 2023

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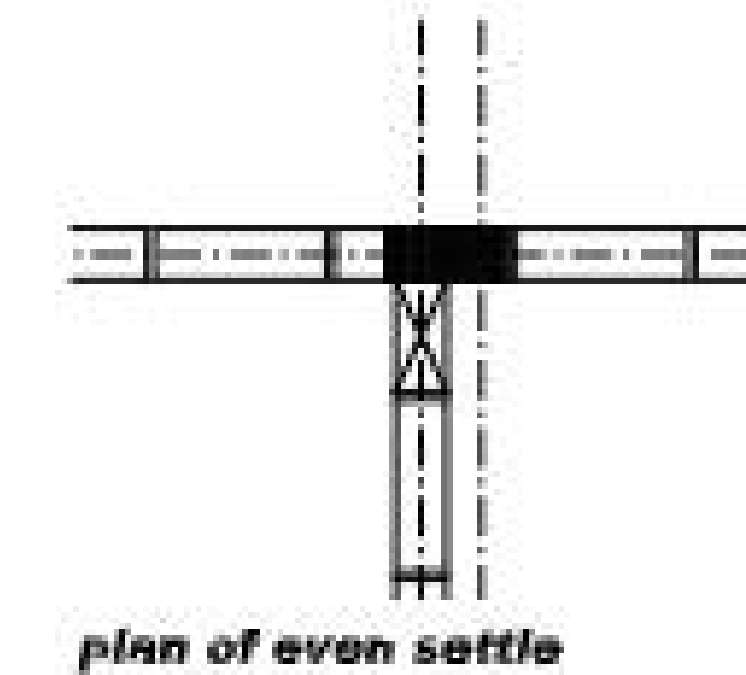
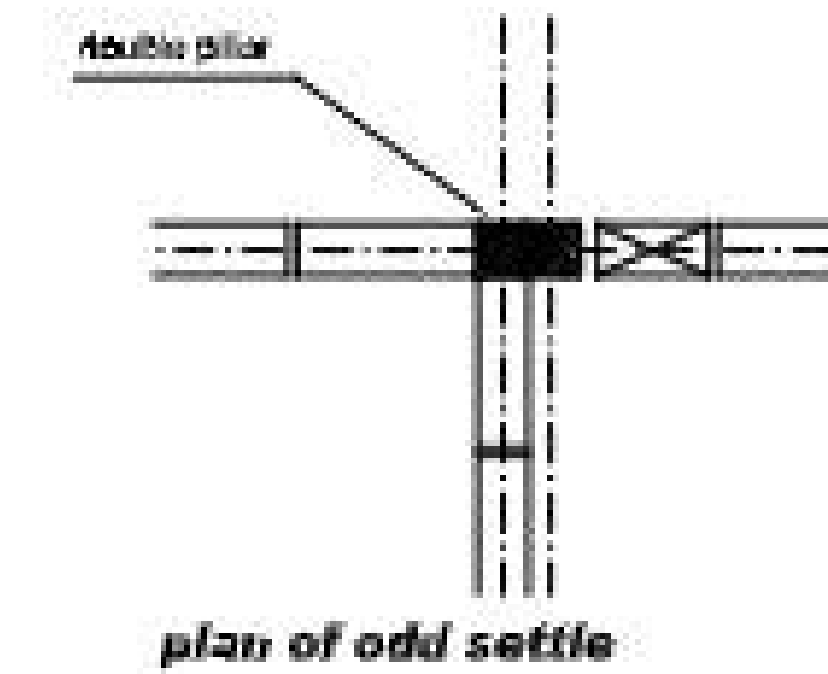
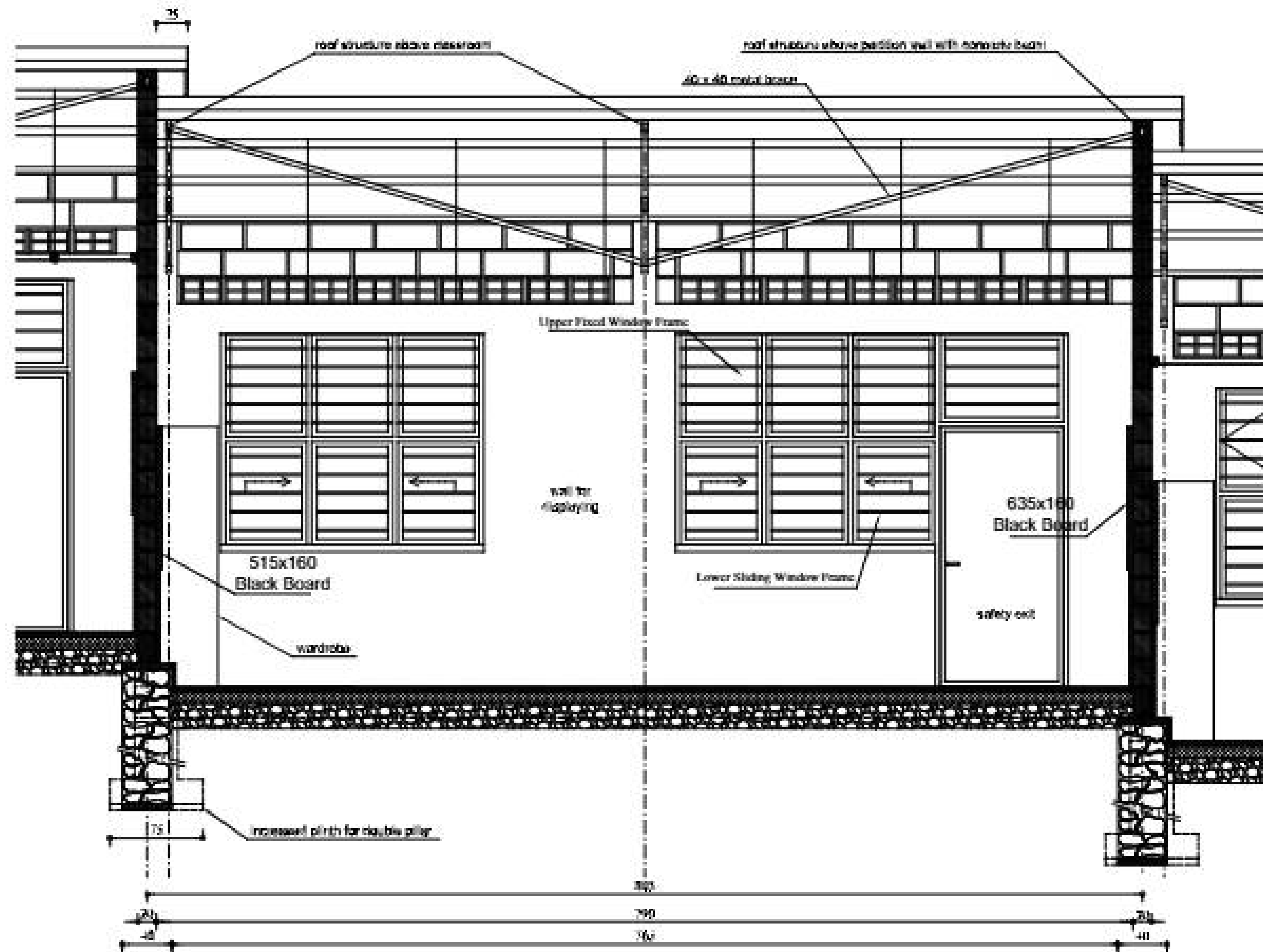
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DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

typical longitudinal section when on slope



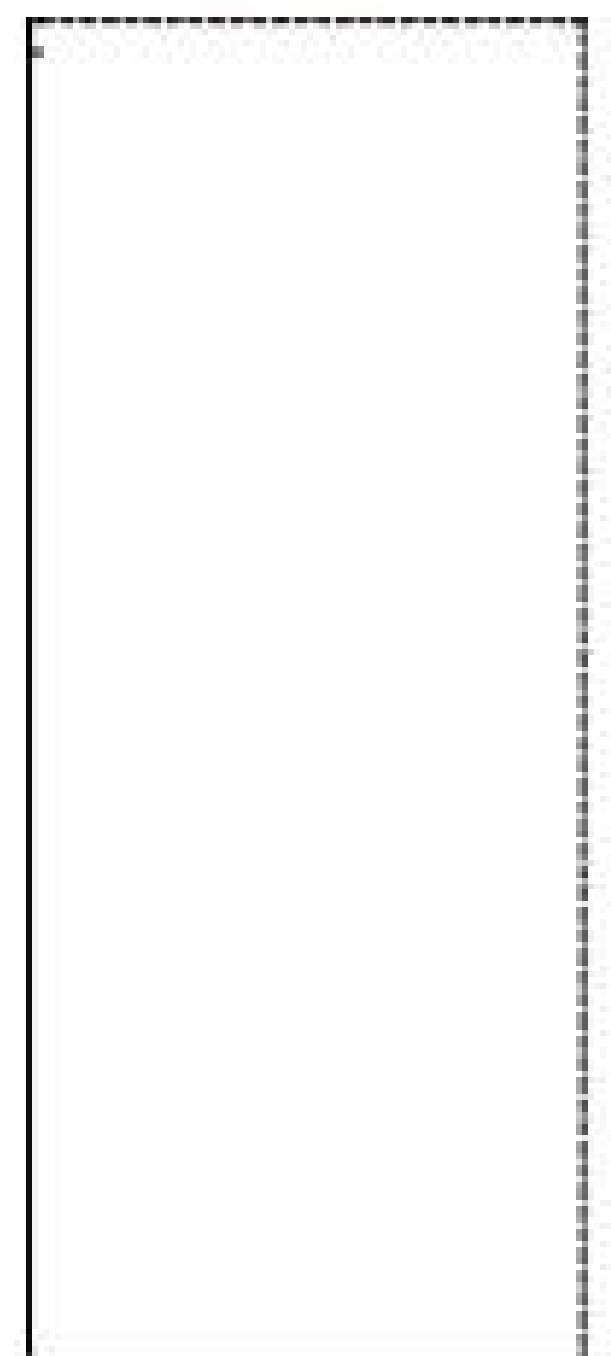
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS
 REMARKS: MINEDUC
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 DATE: August, 2022

SHEET TITLE

PAPER SIZE

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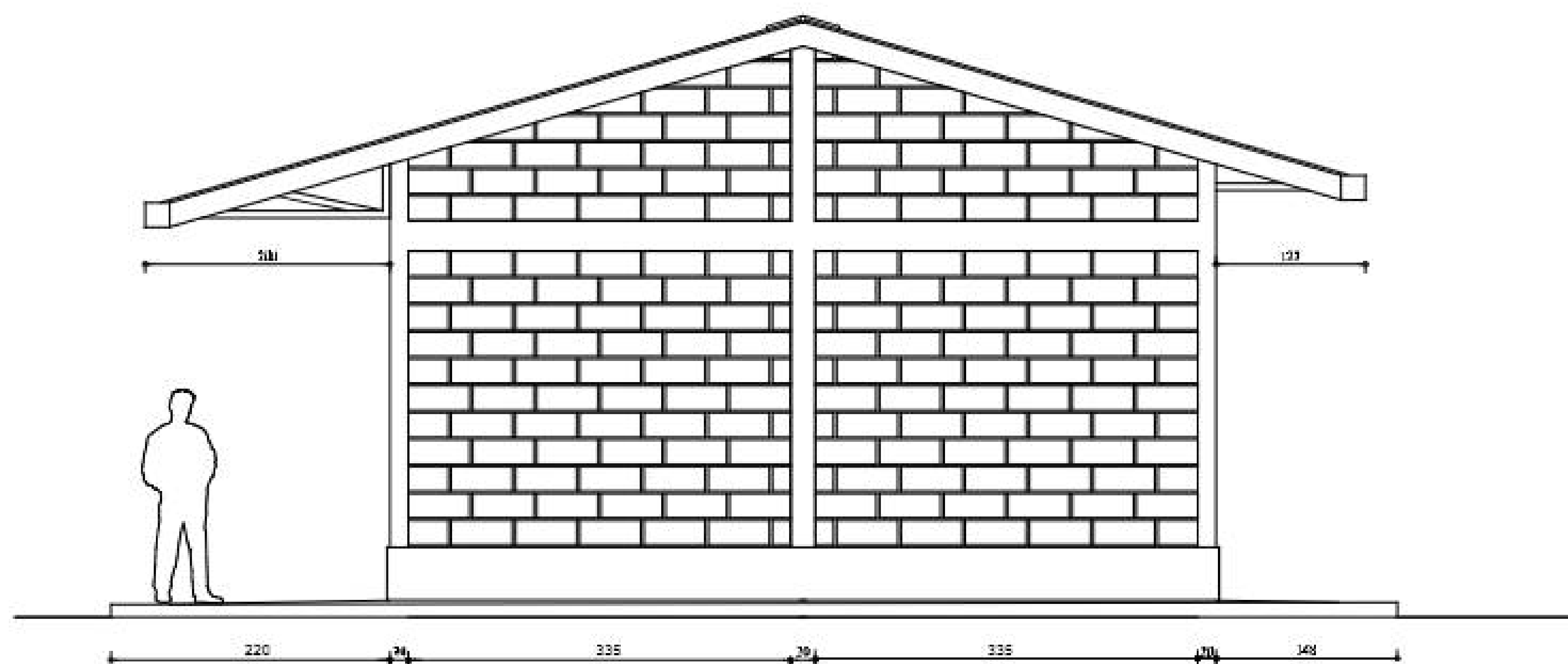
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Child Friendly School - classrooms building

typical longitudinal section C-C

Child Friendly School - classrooms building

typical E-W elevation



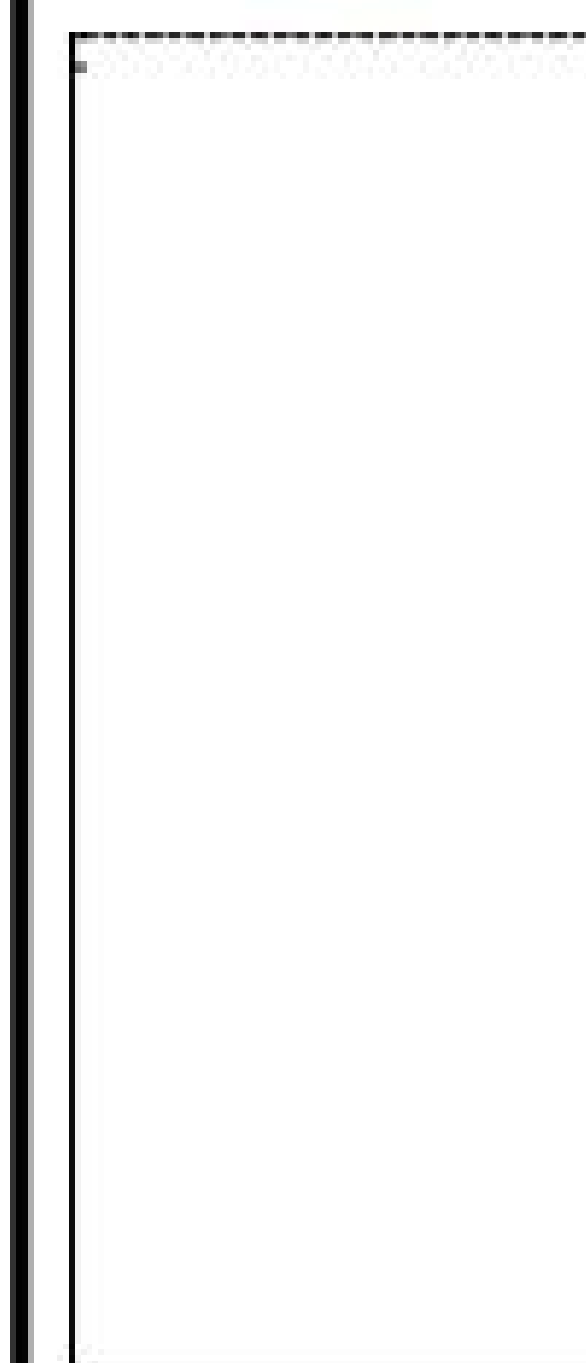
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

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LOCATION:

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SCALE:

DATE: August, 2022

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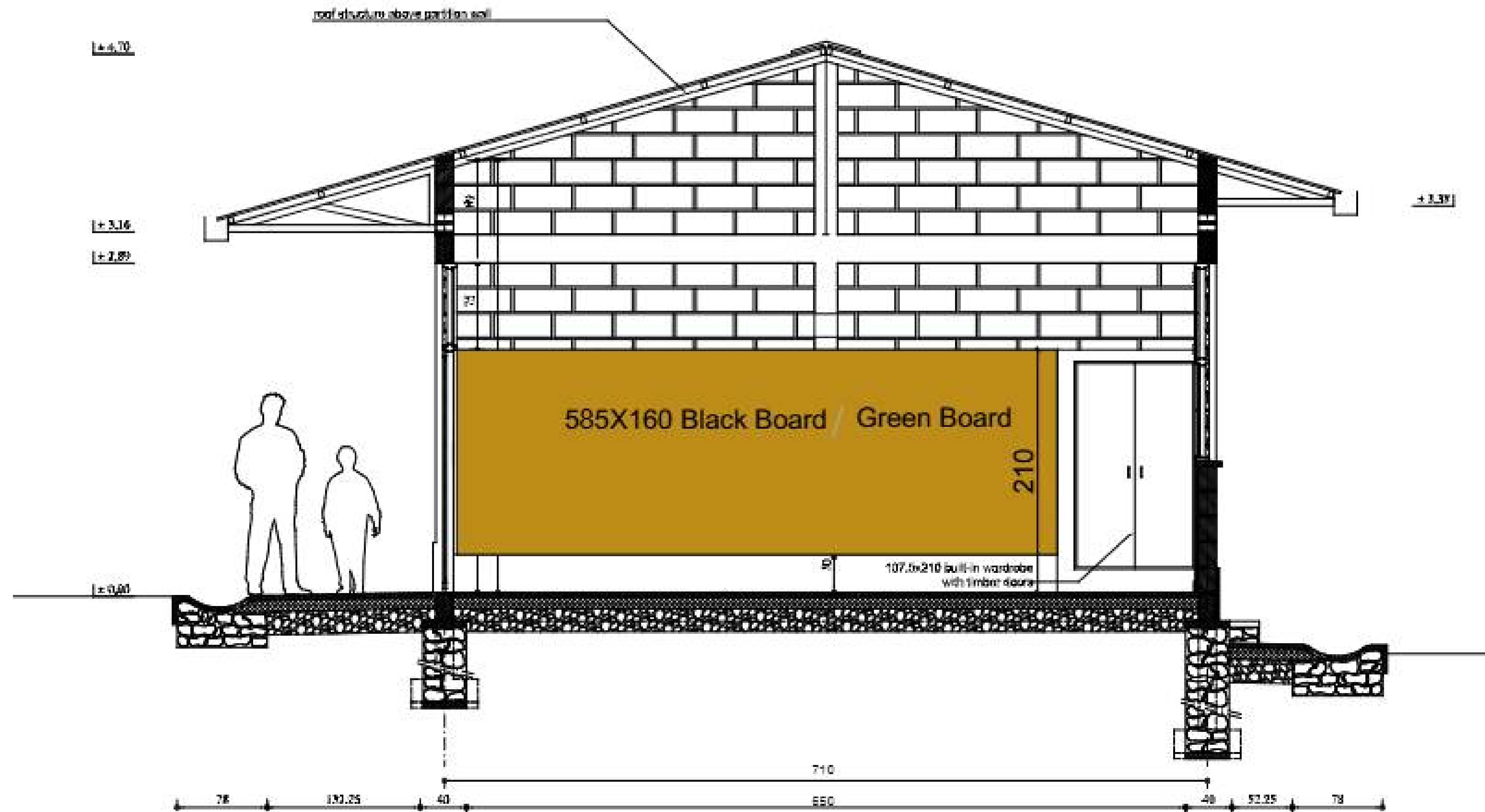
PAPER SIZE

A1

DRAWING CODE / SHEET NUMBER

ild Friendly School - classrooms building

typical crossing section A-A



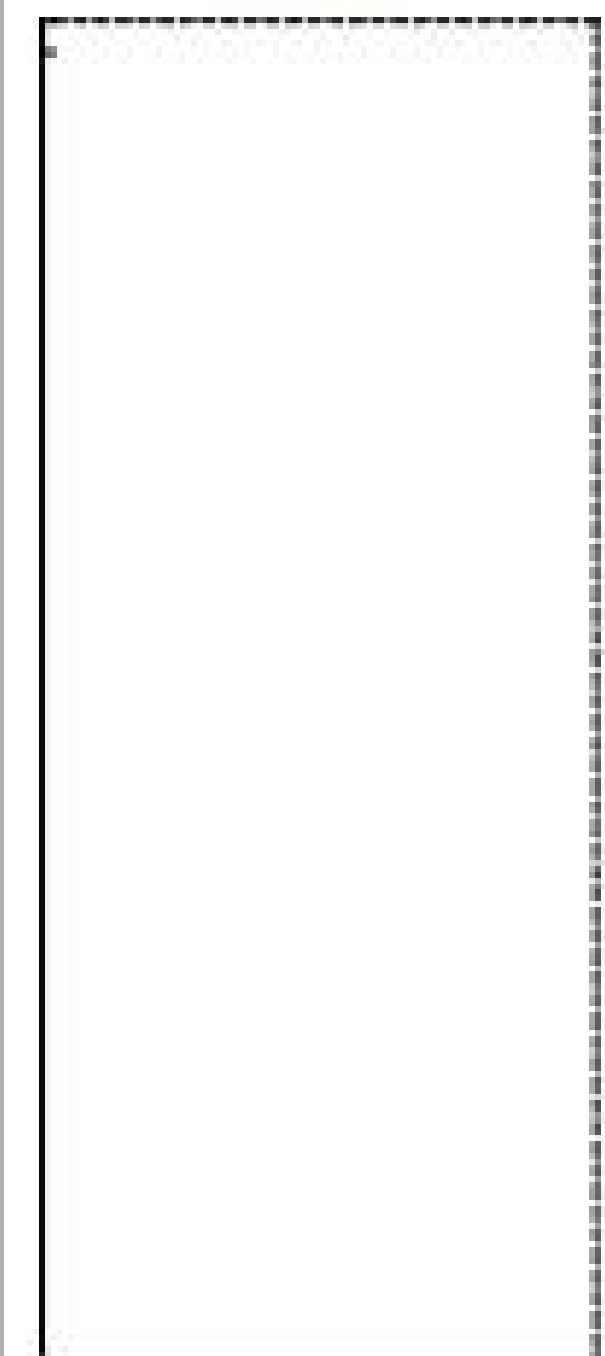
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS
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 LOCATION
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 CHECKED BY:
 SCALE:
 DATE: August, 2022

SHEET TITLE

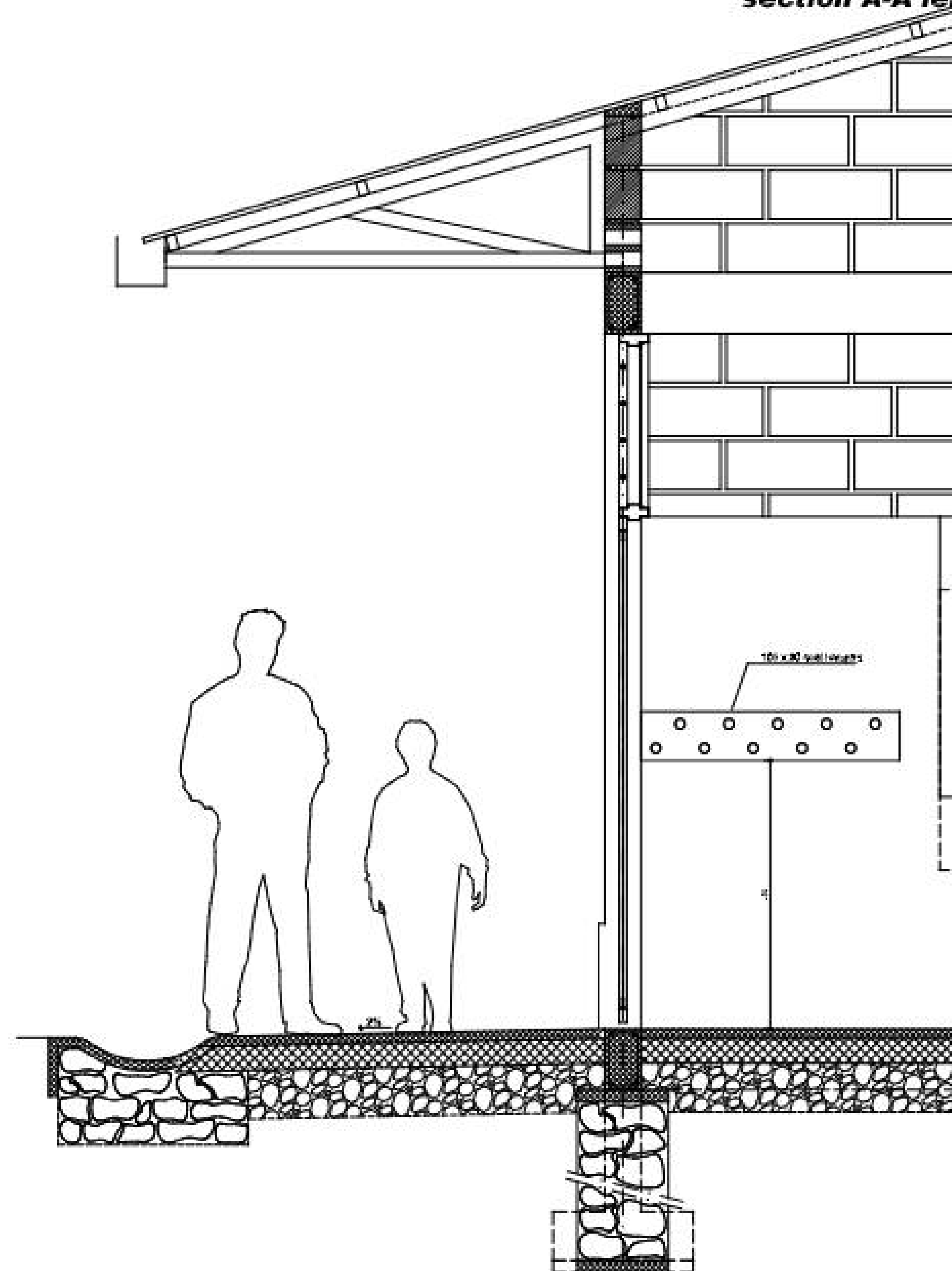
PAPER SIZE

A1

DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

**typical crossing
section A-A left**



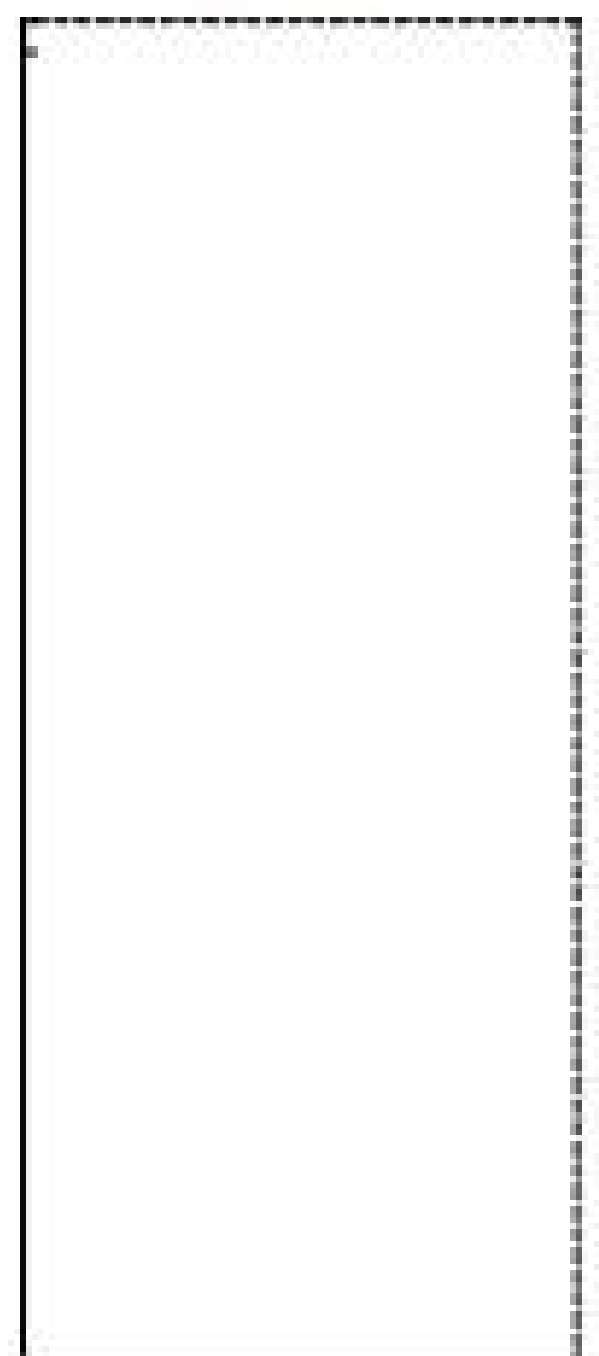
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS
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DATE: August, 2022

SHEET TITLE

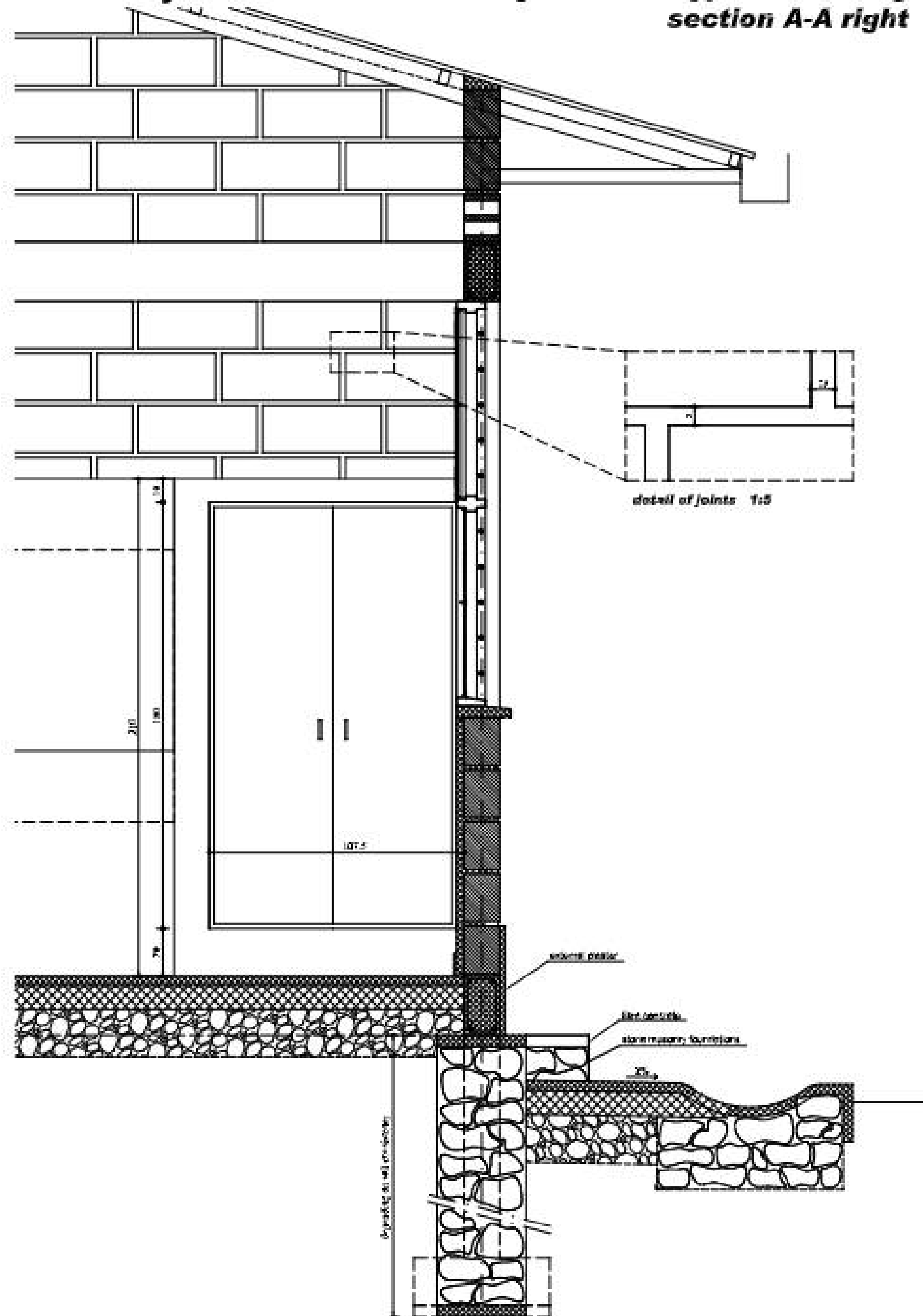
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DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

typical crossing section A-A right



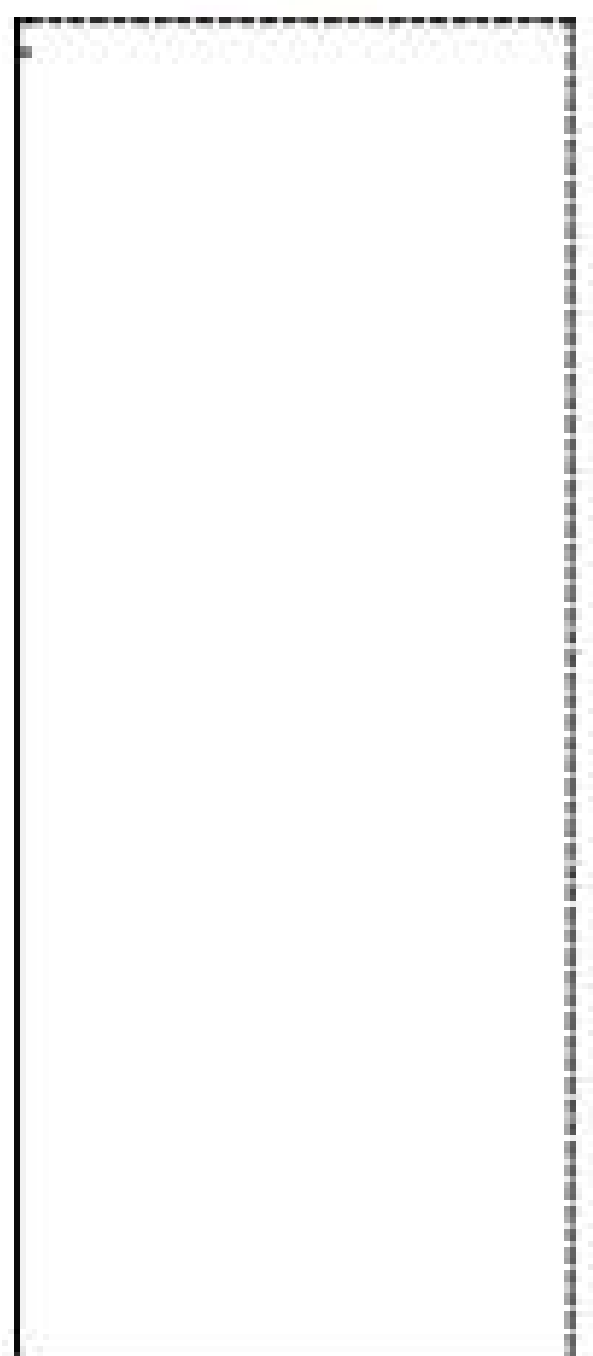
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



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Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

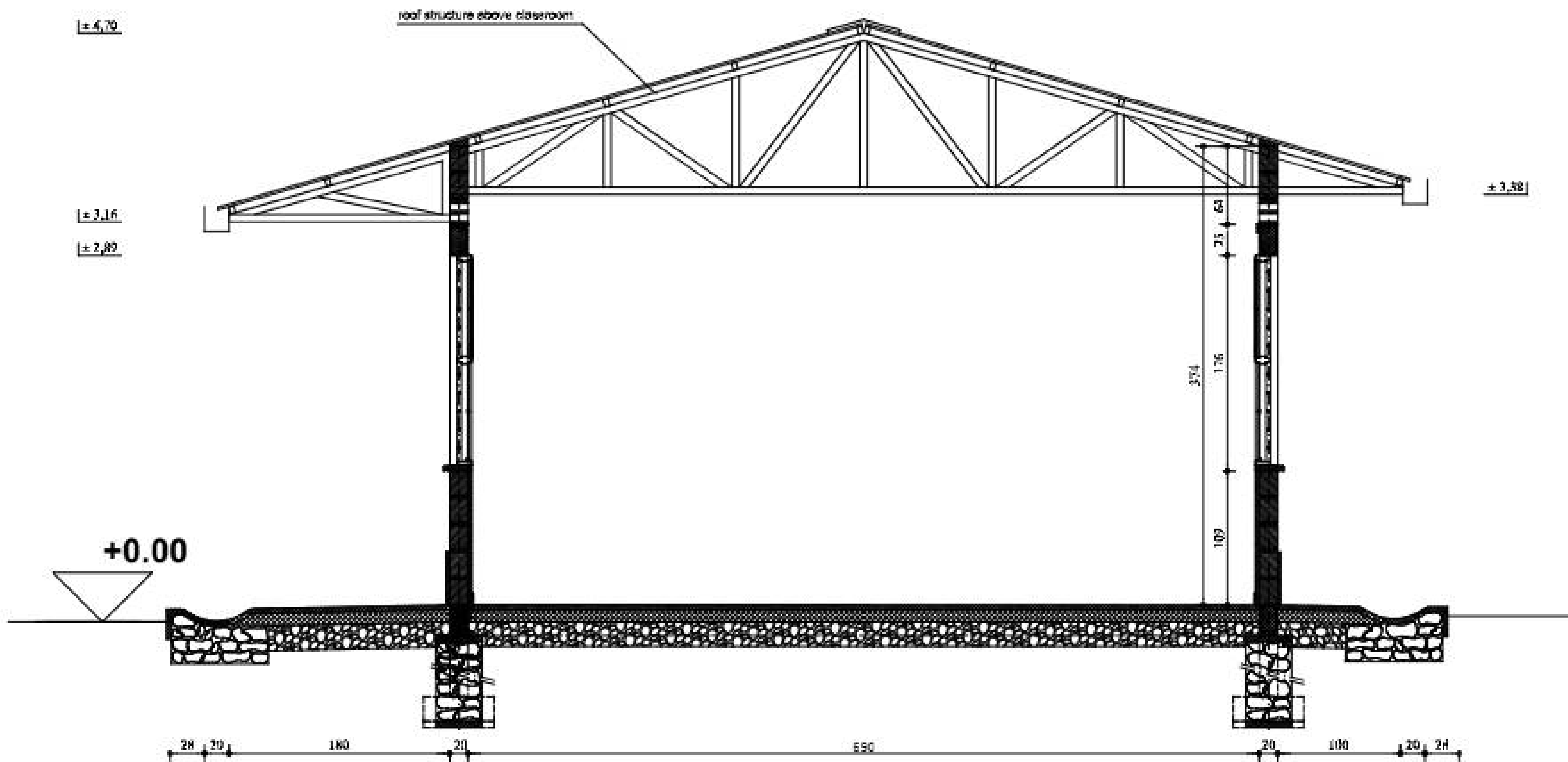
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SHEET TITLE

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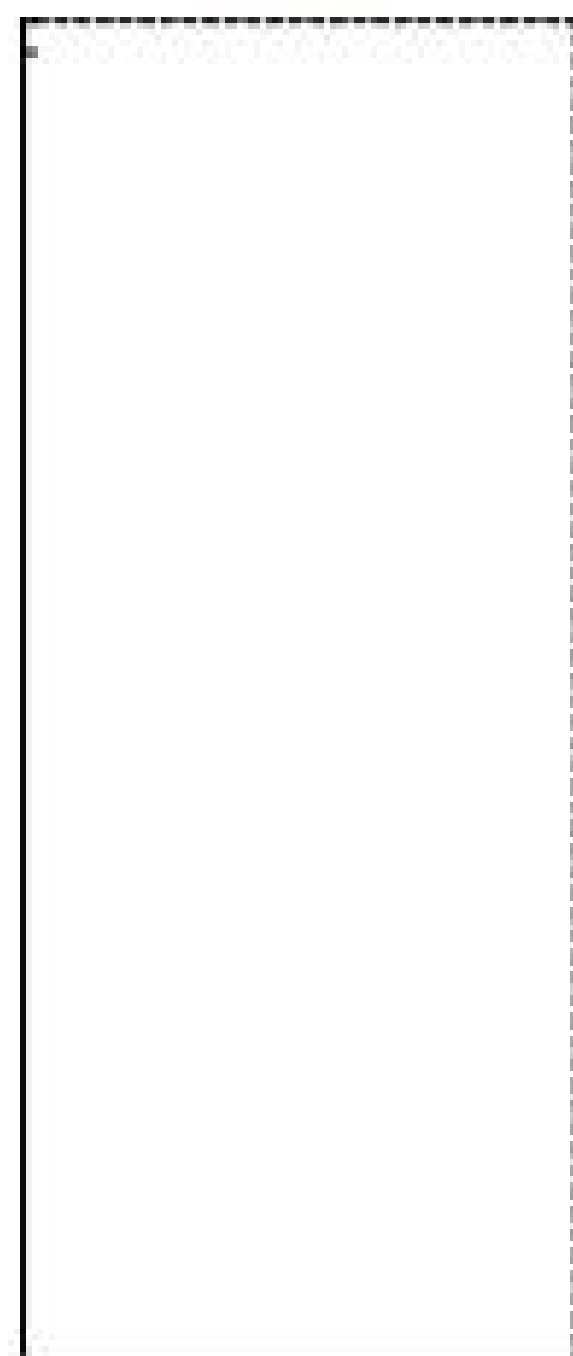
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CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

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DETAILS
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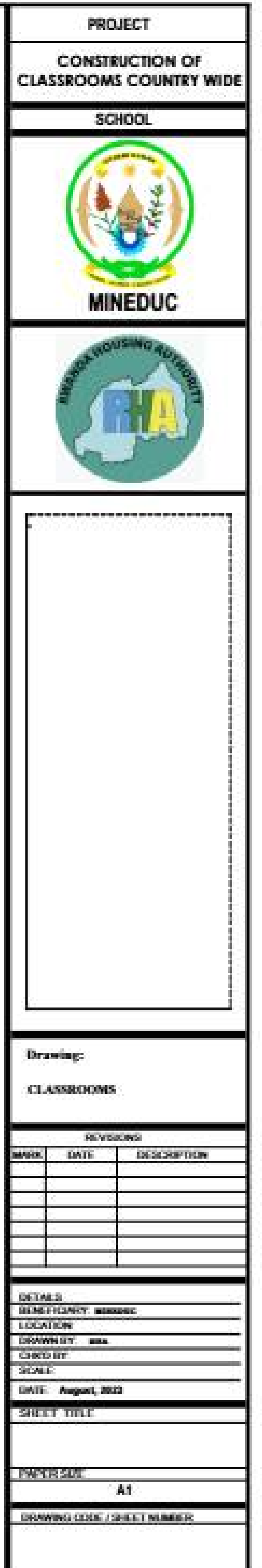
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PAPER SIZE

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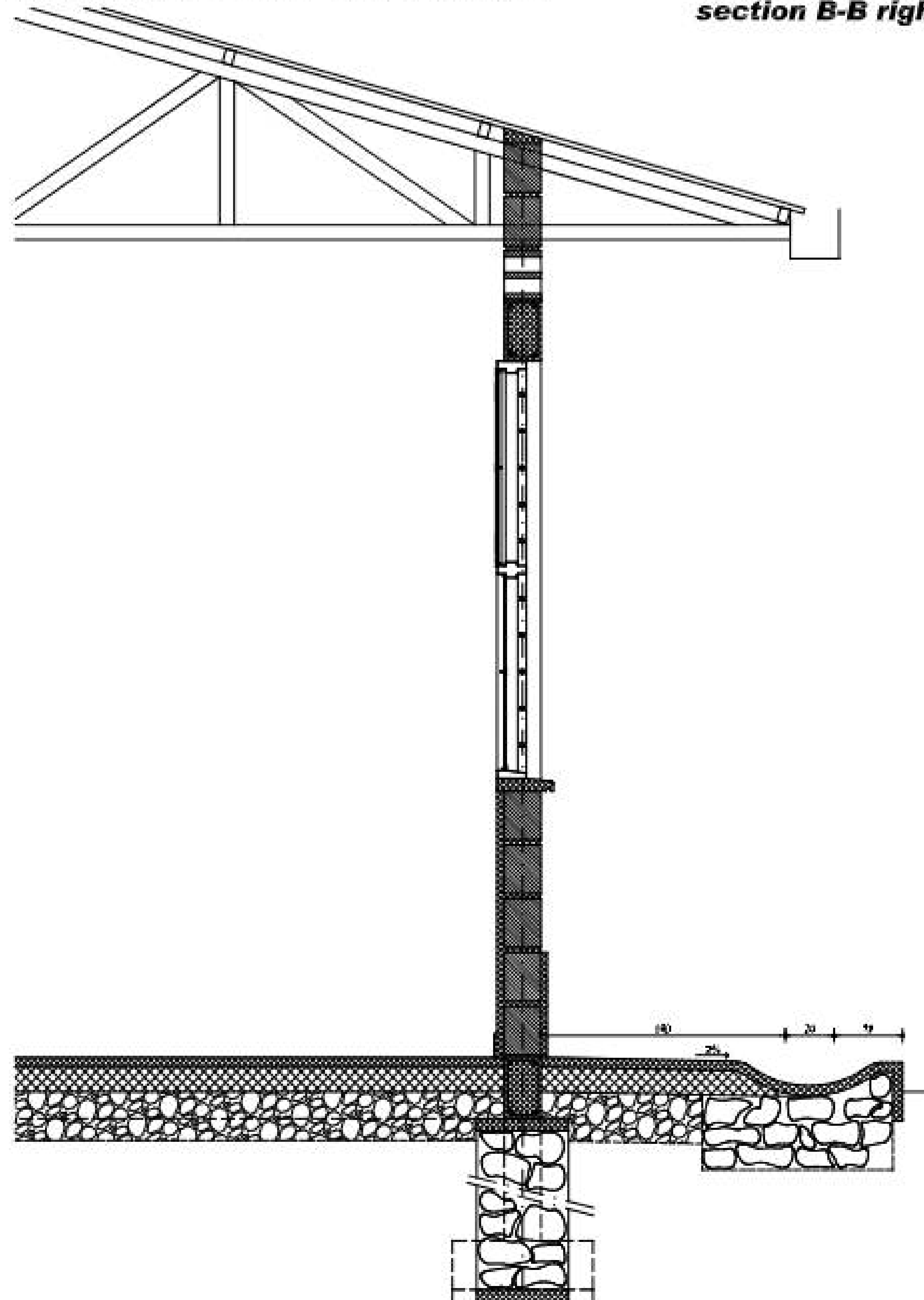
**typical crossing
section B-B left**



PROJECT		
CONSTRUCTION OF CLASSROOMS COUNTRY WIDE		
SCHOOL		
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Drawing: CLASSROOMS		
REVISIONS		
MARK	DATE	DESCRIPTION
DETAILS DISCIPLINARY: MINEDUC LOCATION: DRAWN BY: gsa CHECKED BY: SCALE: DATE: August, 2022		
SHEET TITLE		
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A1		
DRAWING CODE / PROJECT NUMBER		

Child Friendly School - classrooms building

**typical crossing
section B-B right**



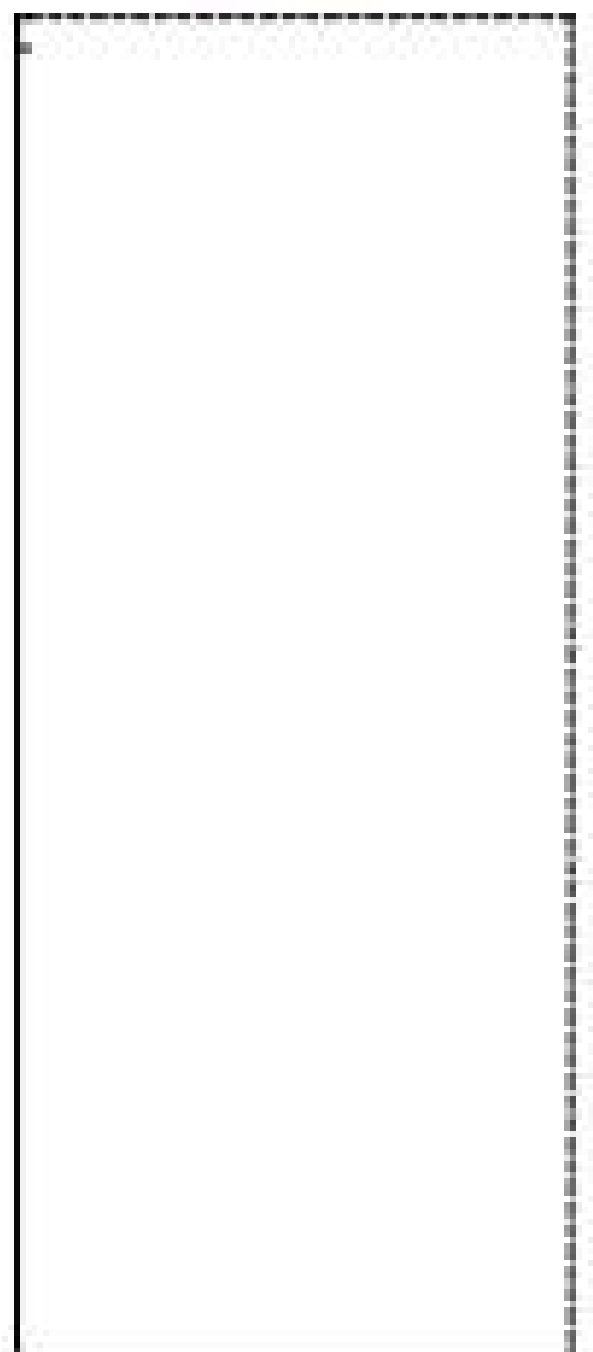
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

MARK	DATE	DESCRIPTION

DETAILS

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LOCATION:

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DATE: August, 2022

SHEET TITLE

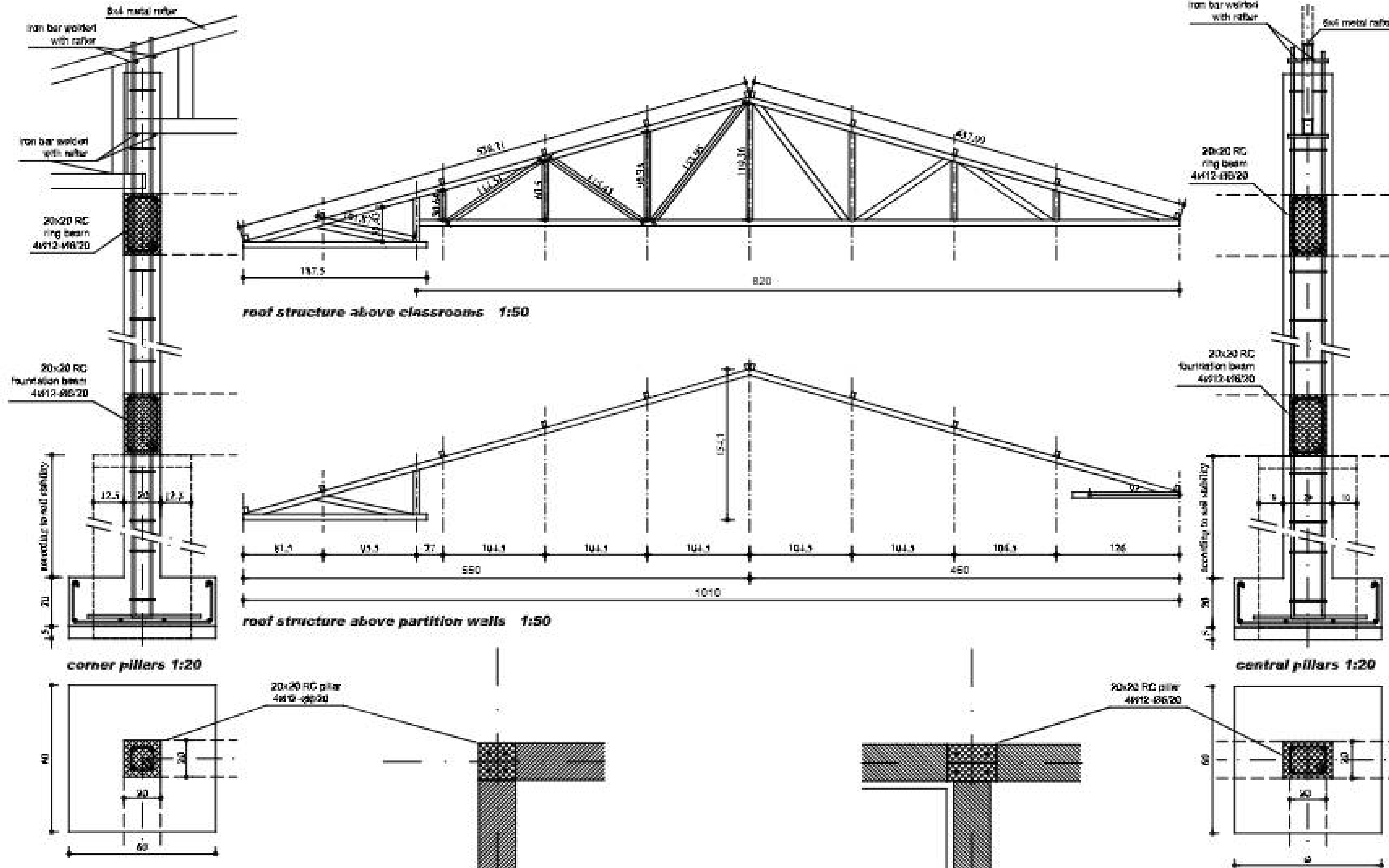
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DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

typical details



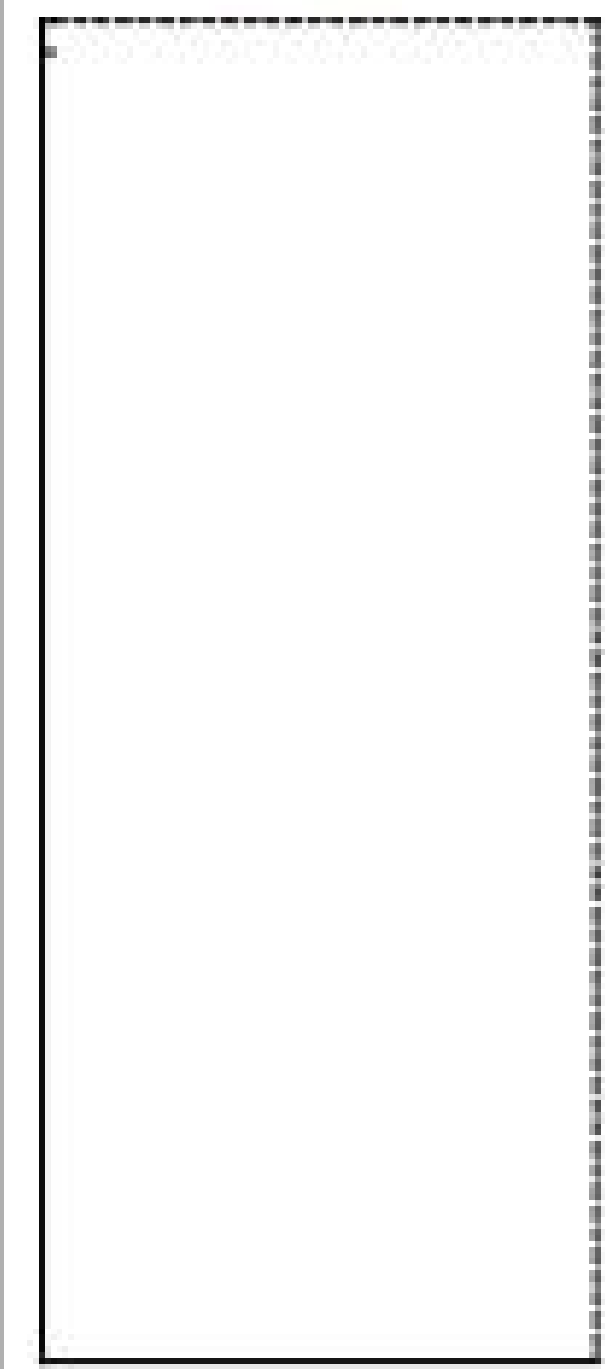
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

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LOCATION:

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CHECK BY:

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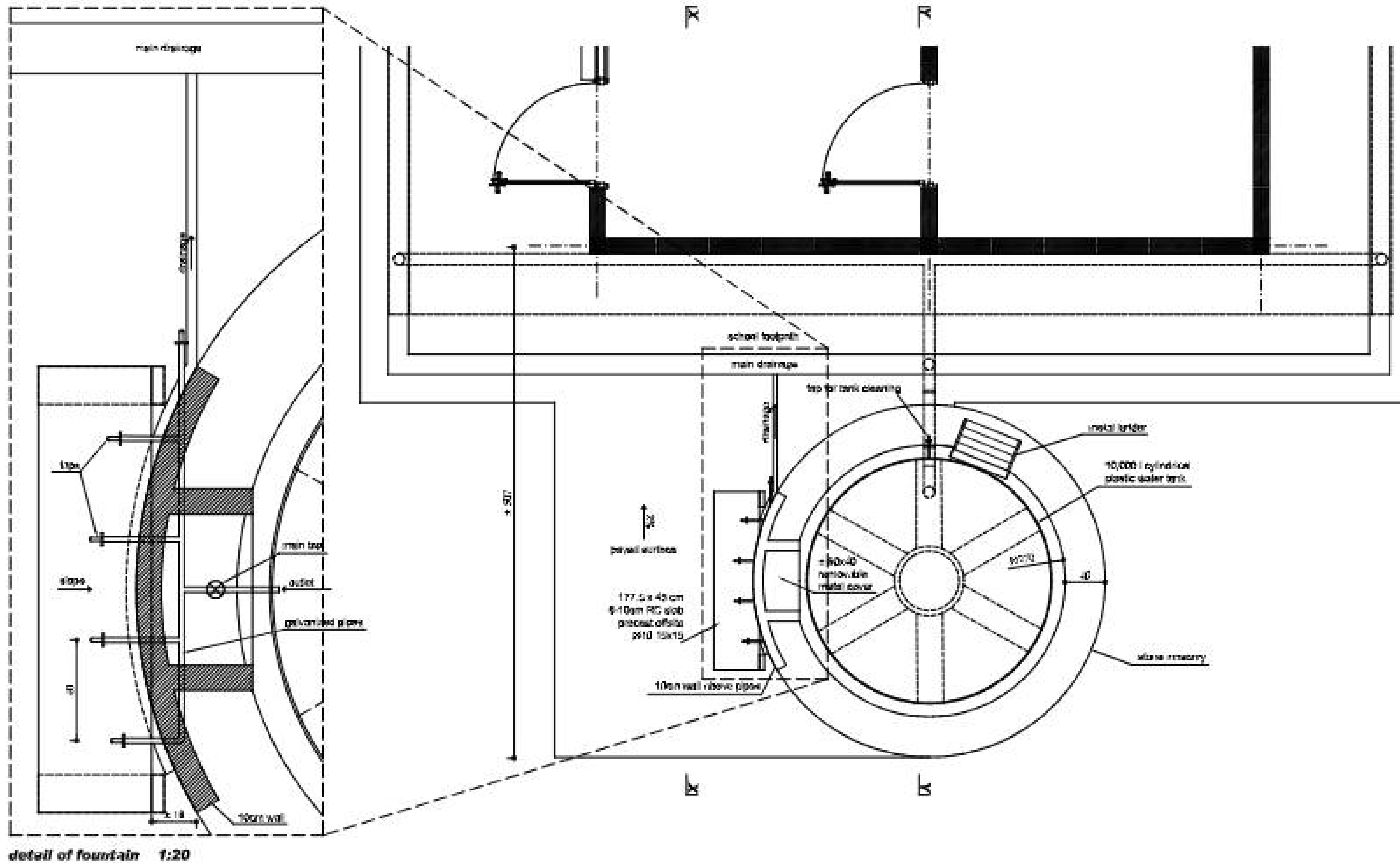
PAPER SIZE

A1

DRAWING CODE / SHEET NUMBER

Child Friendly School - classrooms building

typical plan of reservoir and fountain



PROJECT

CONSTRUCTION OF CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawings:

CLASSROOMS

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DETAILS
IDENTIFIANT: 00000000
LOCATION
DRAWN BY: 0000
CHART BY
SCALE

Issue: August, 2013

SHORT TITLE

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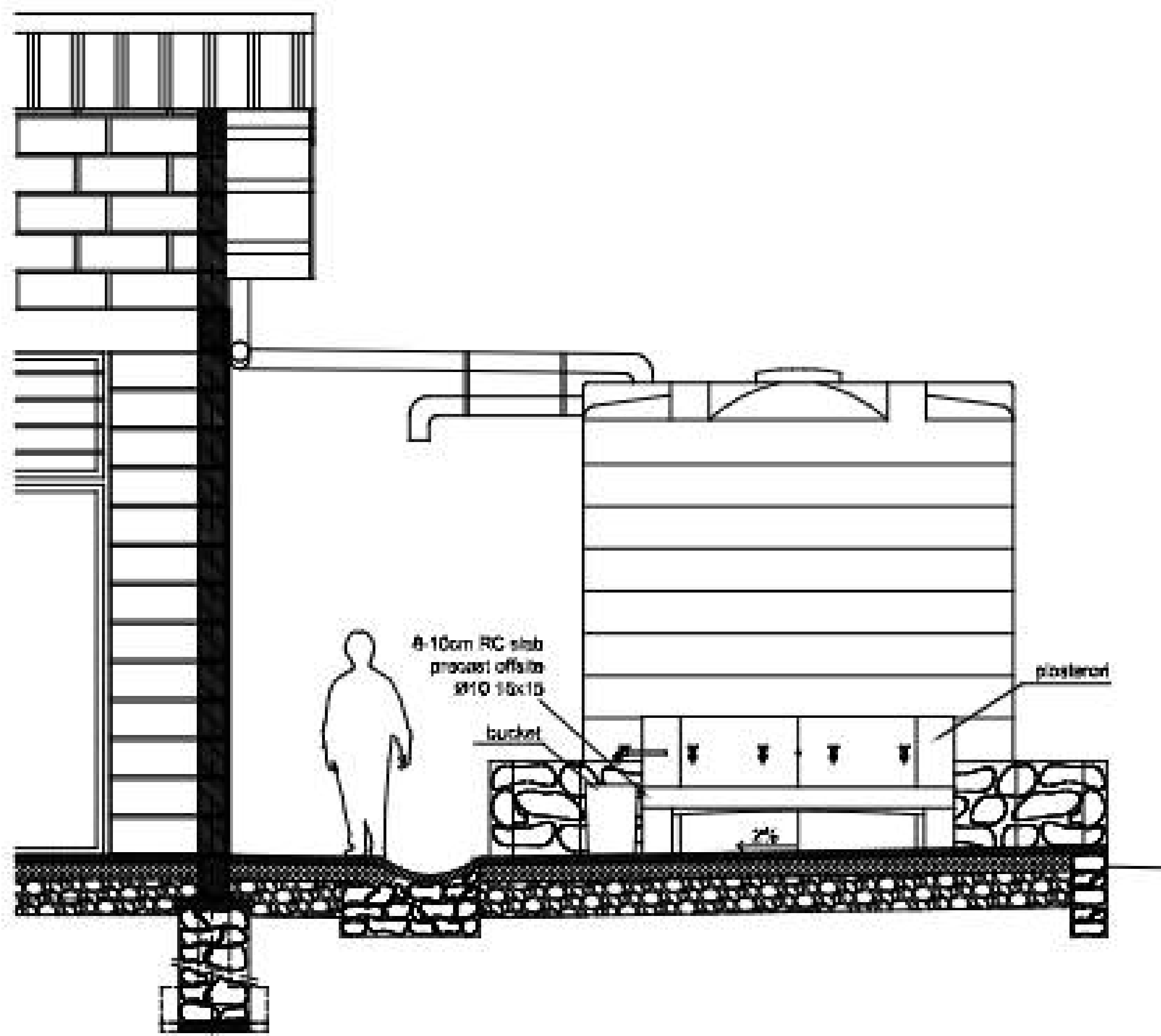
EXERCISES

A1

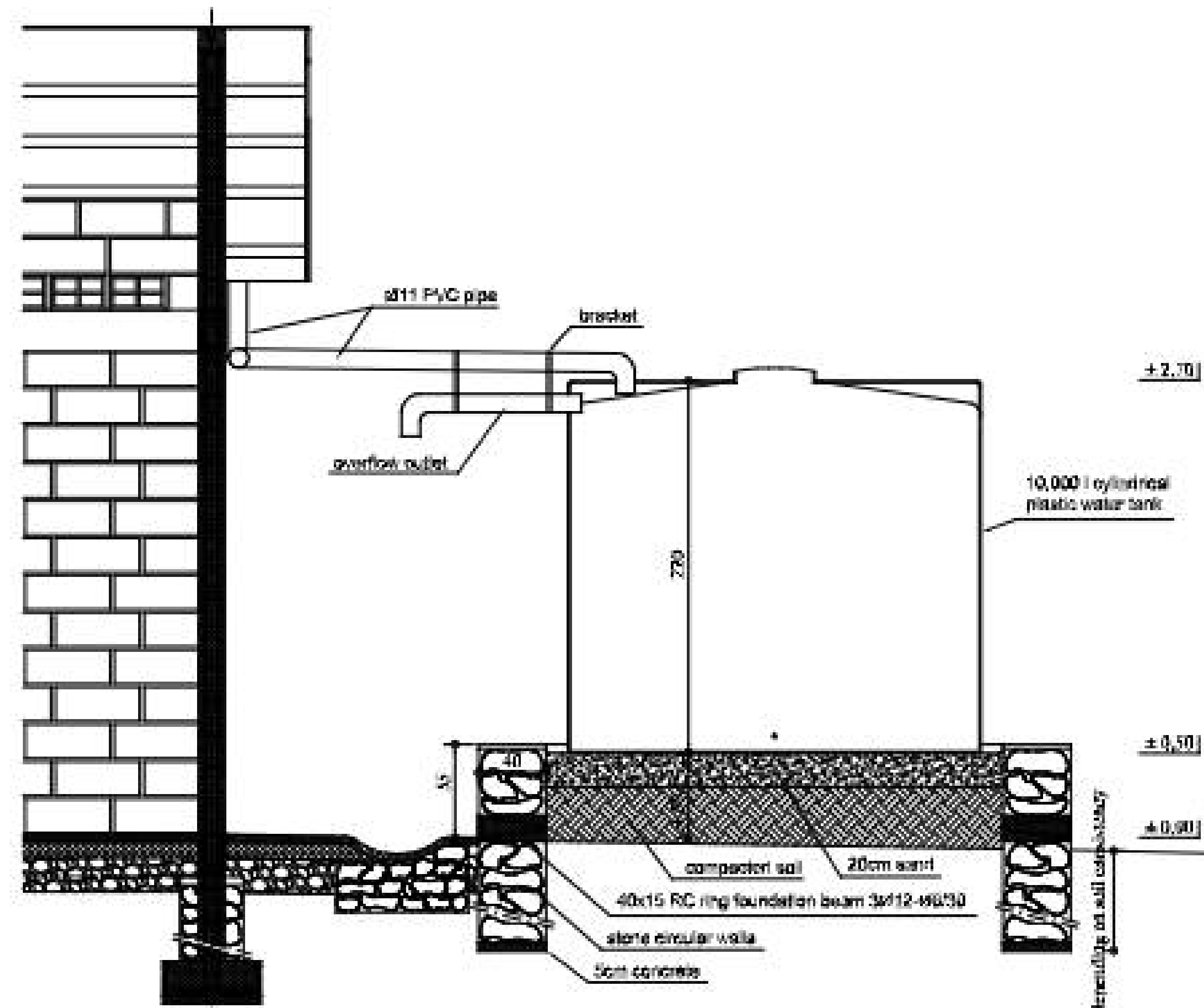
ENGLAND: LONDON / 20-00-1900000000

Child Friendly School - classrooms building

typical sections of reservoir and fountain



section X-X



section Y-Y

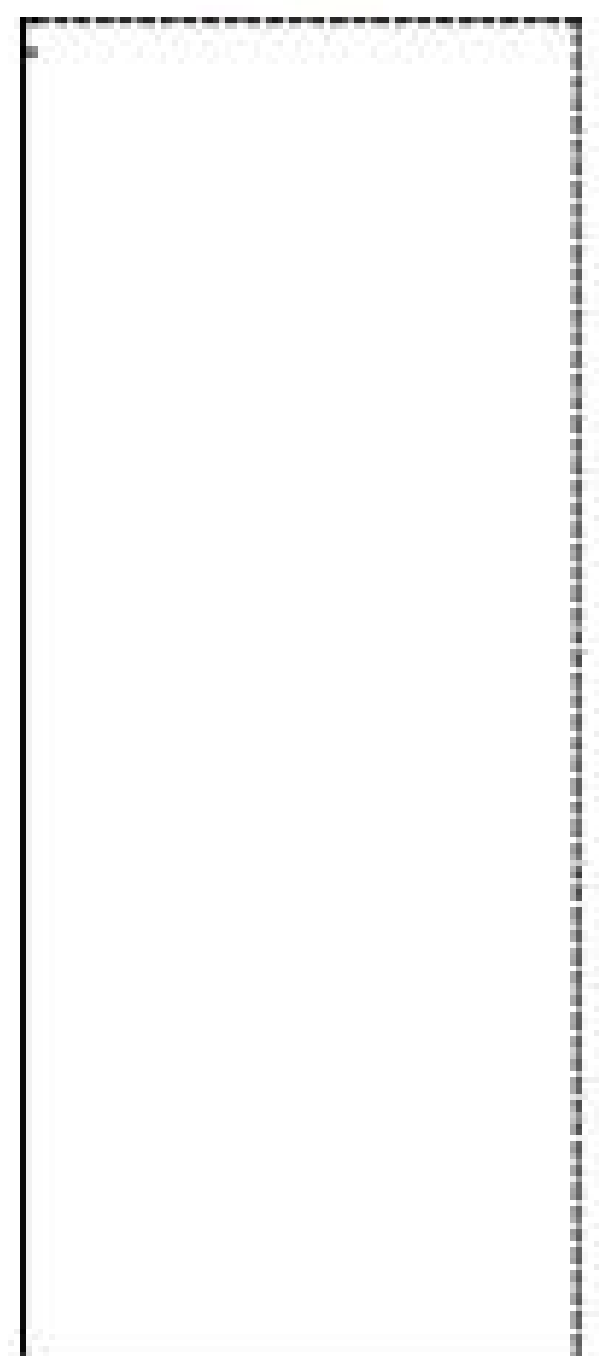
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

CLASSROOMS

REVISIONS

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LOCATION:

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SCALE:

DATE: August, 2022

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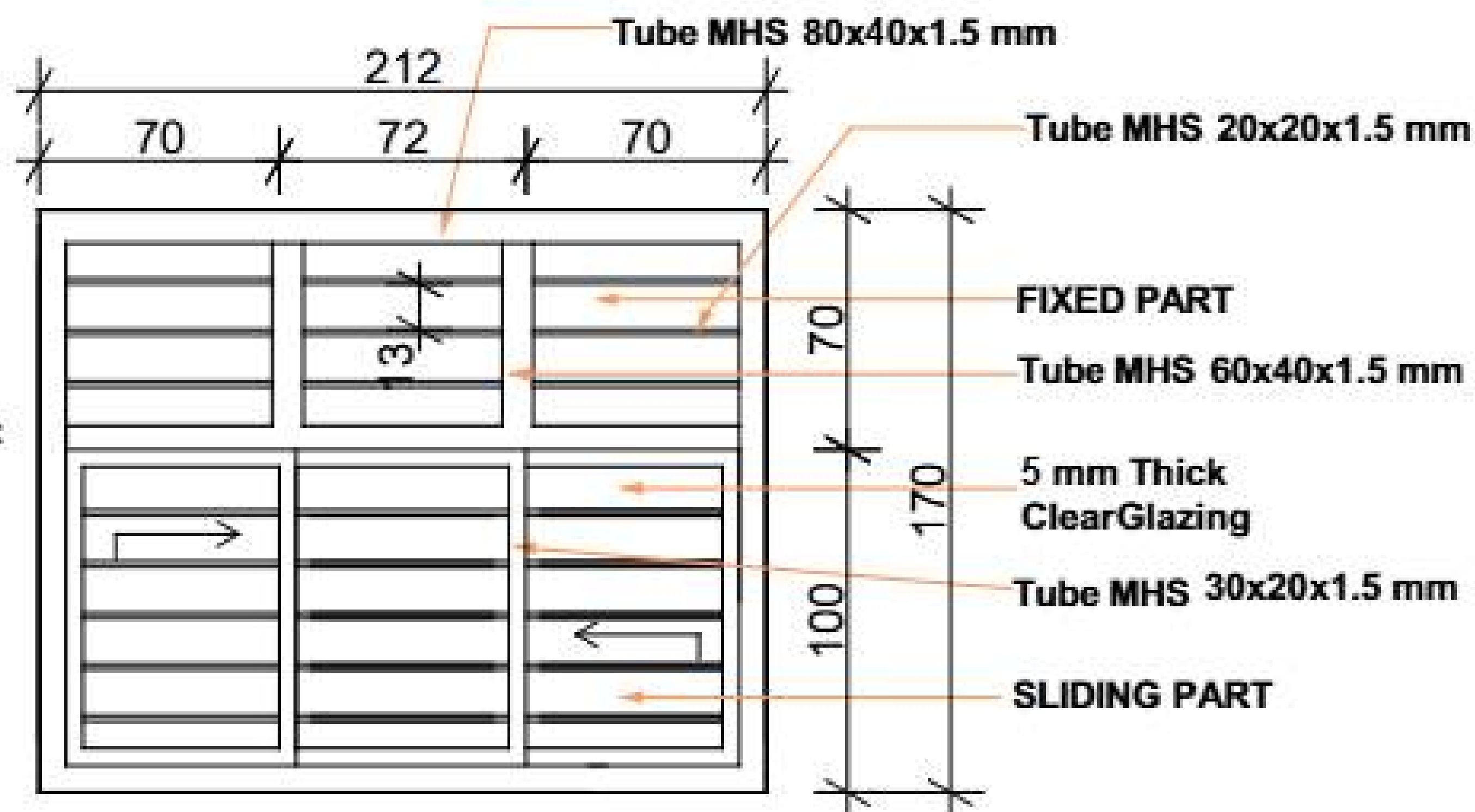
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A1

DRAWING CODE / SHEET NUMBER

WINDOW AND DOOR SCHEDULE:

WINDOW ELEVATION:

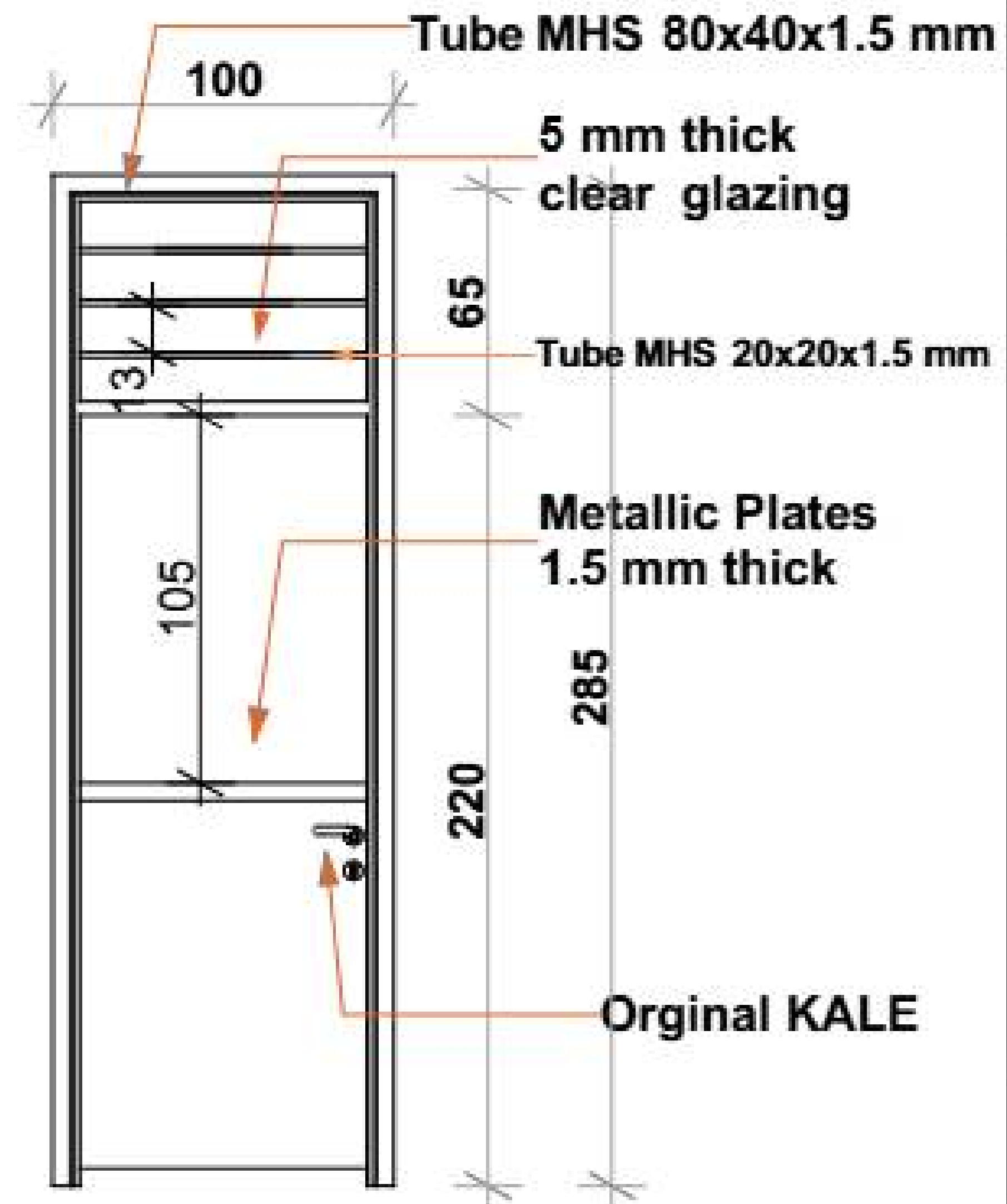


WINDOW PLAN VIEW:



- Notes:
- Sliding window grilles metal windows +with 5 mm thick clear glazing
 - Sliding window with roulette

DOOR ELEVATION:



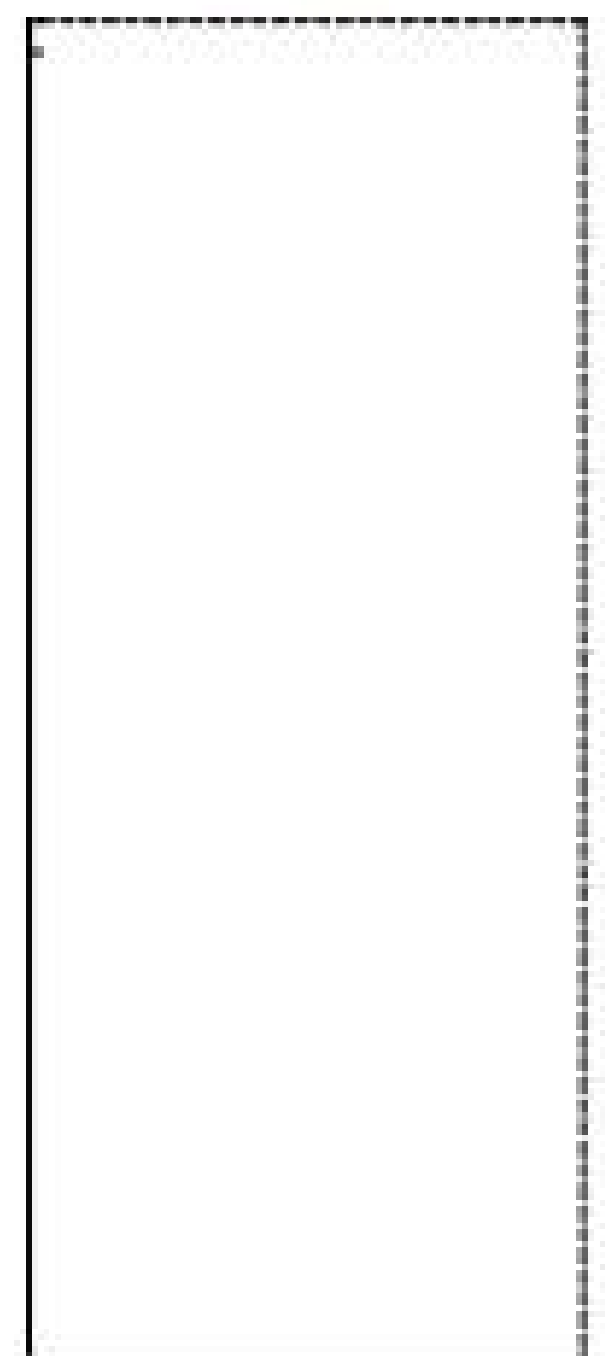
PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



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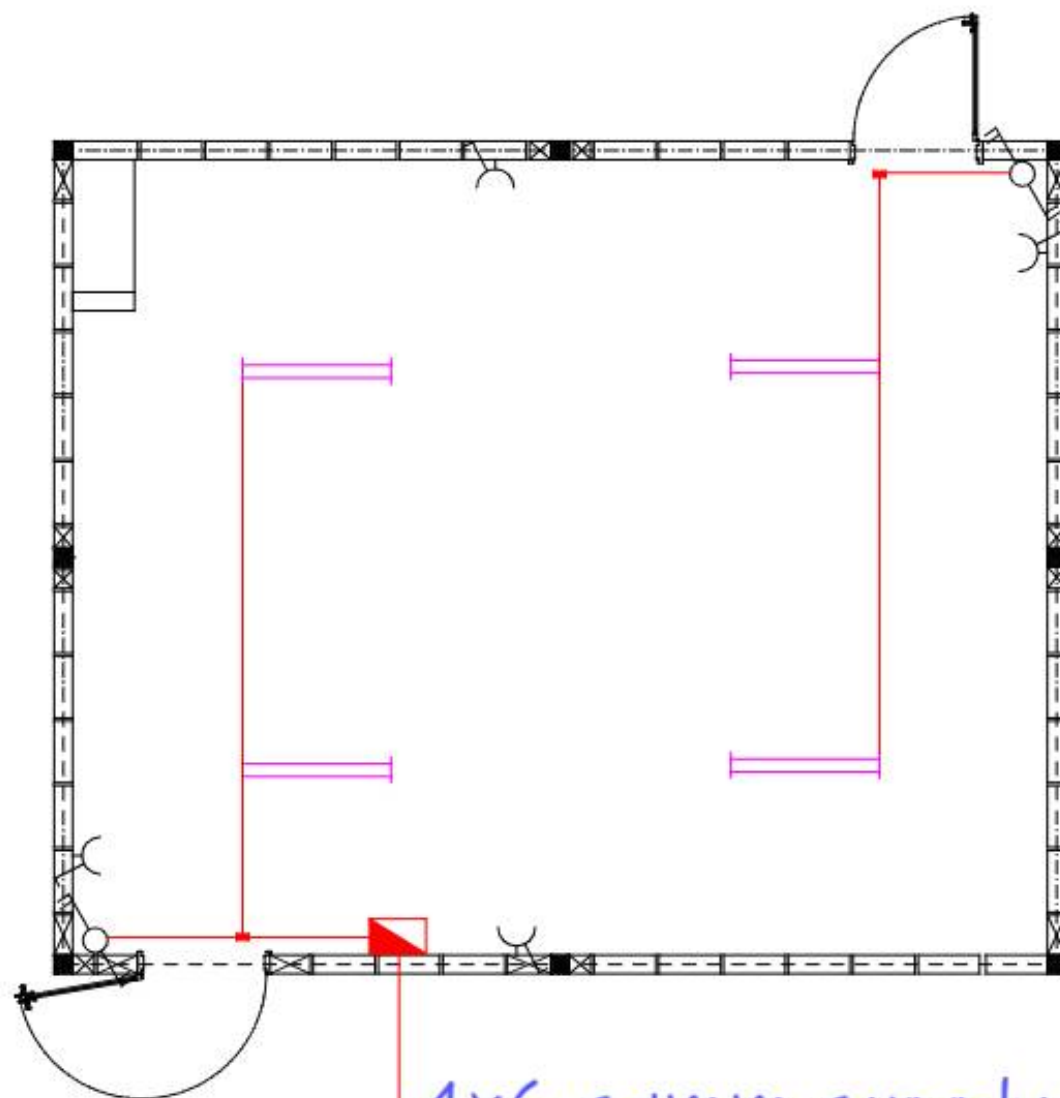
CLASSROOMS

REVISIONS

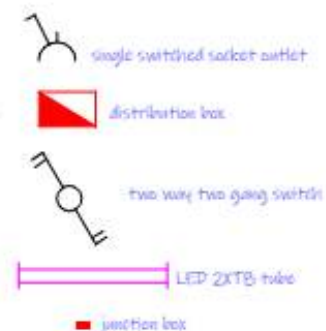
MARK	DATE	DESCRIPTION

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LOCATION:
DRAWN BY: MIA
CHECKED BY: MINEDUC
SCALE: 1:10
DATE: August, 2022

SHEET TITLE
WINDOW AND DOOR SCHEDULE
PAPER SIZE
A1
DRAWING CODE / SHEET NUMBER



4x6 sqmm supply cable



PROJECT

CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE

SCHOOL



MINEDUC



Drawing:

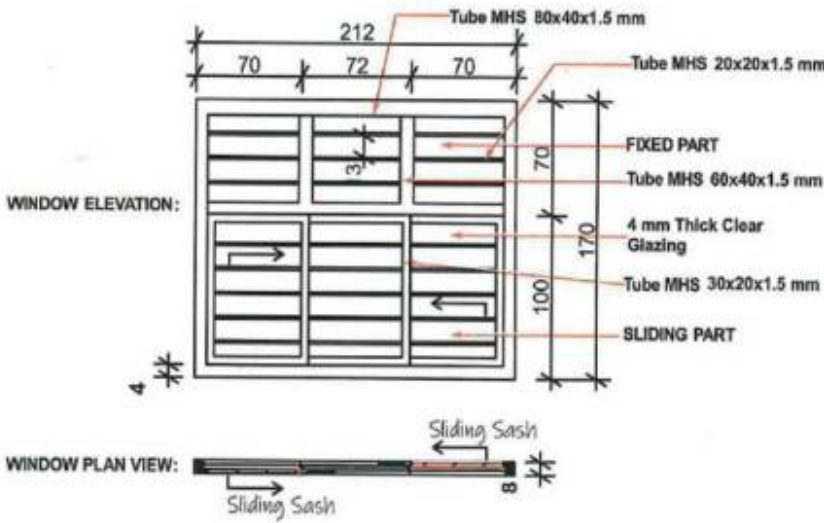
Classroom Electrical Drawing

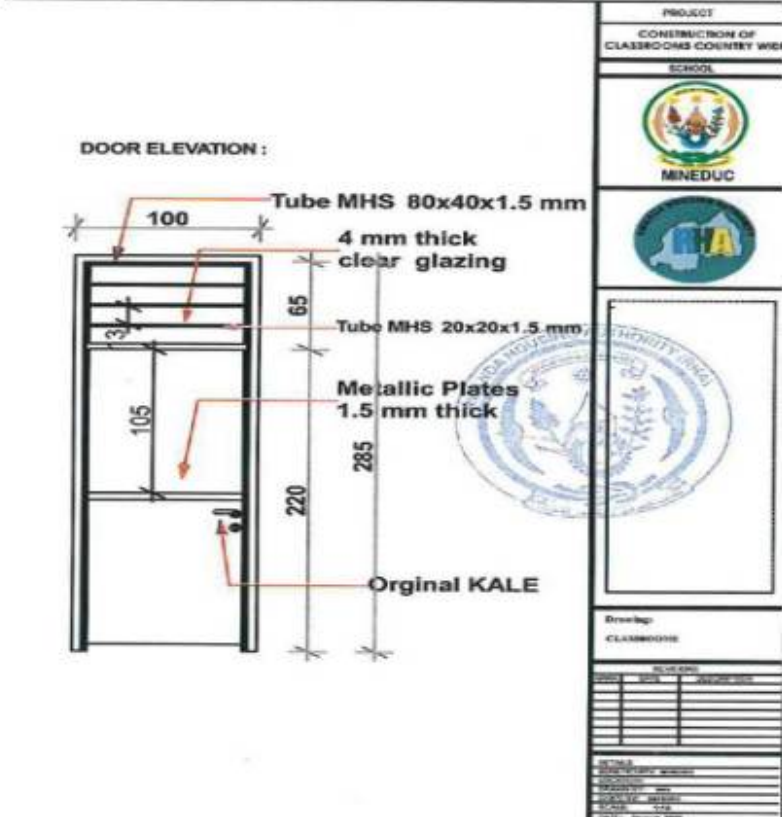
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USER	DATE	DESCRIPTION

DETAILS
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DATE: August 2022
SHEET TITLE

EXPRESS SIZE
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DRAWING CODE / SHEET NUMBER

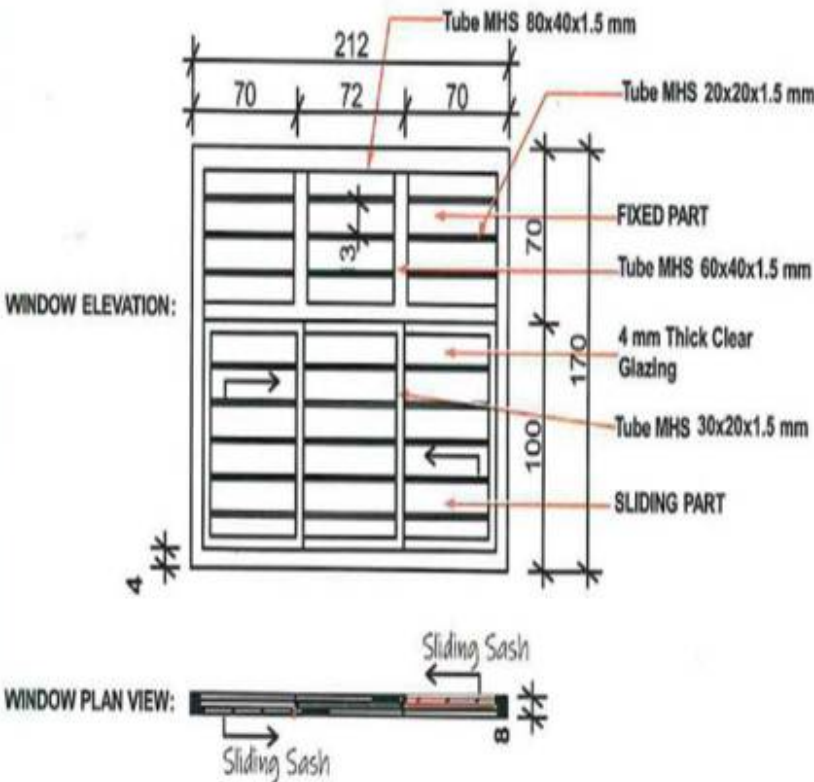
WINDOWS AND DOORS TECHNICAL SPECIFICATION

S/N	ITEM DESCRIPTION	QUANTITY	SPECIFICATION		PICTURES & NOTES
1	metal Sliding window of (170*212) cm	120	Main frame (head, jamb, sill) made from	tube MHS 80*40*1.5mm	 WINDOW ELEVATION: Dimensions: 212 (width), 170 (height). Horizontal divisions: 70, 72, 70. Vertical divisions: 70, 100. Materials: Tube MHS 80x40x1.5 mm, Tube MHS 20x20x1.5 mm, Tube MHS 60x40x1.5 mm, Tube MHS 30x20x1.5 mm. Components: FIXED PART, SLIDING PART, 4 mm Thick Clear Glazing. WINDOW PLAN VIEW: Dimensions: 8 (width), 170 (height). Components: Sliding Sash. Notes: -Sliding window grilles metal windows +with 4 mm thick clear glazing -Sliding window with roulette Additional note: upper mullion seen on drawing should be extended up to sill member of window, this means they have 154cm long.
			Mullion: Vertical member between window units made from	tube MHS 60*40*1.5mm	
			Transom: Horizontal bar between window sections made from	tube MHS 60*40*1.5mm	
			Upper Fixed Sash Glazing made from	4mm thick fixed clear glass	
			Sliding window sash made from	tube MHS 30*20*1.5mm, and 4mm thick clear glass	
			Locking handle, rollers and Striker keeper made from	Stain less steel	
			Window grilles made from	Tube MHS 20*20*1.5mm	

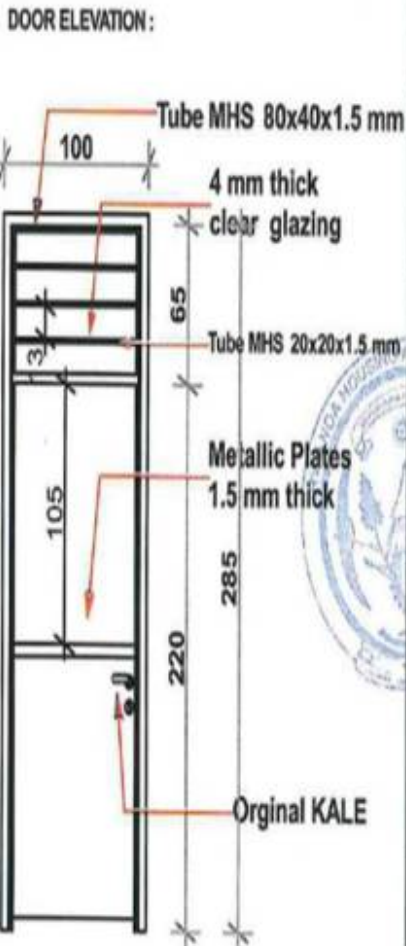
2	Metal single door (100*285) cm	60	Transom made from	4mm thick clear glass and grill made of Tube MHS 20*20*1,5mm	
			Main frame (head & jams) made from	tube MHS 80*40*1,5mm	
			Stile made from	tube MHS 80*40*1,5mm	
			Top, bottom and intermediate rails made from	tube MHS 80*40*1,5mm	
			Door panel made from	metallic plates 1,5mm thick	
			Lockset made from	Original KALE	

Note:

1. refer to drawings provided and samples of both materials and produced window and doors samples to be checked and approved with reference to specifications by the client engineering team before and upon delivery on site
2. doors of each classroom are attached by the closest windows as seen on classroom construction drawings (floor plan, elevation and section)
3. A clear window and door schedule should be attached.

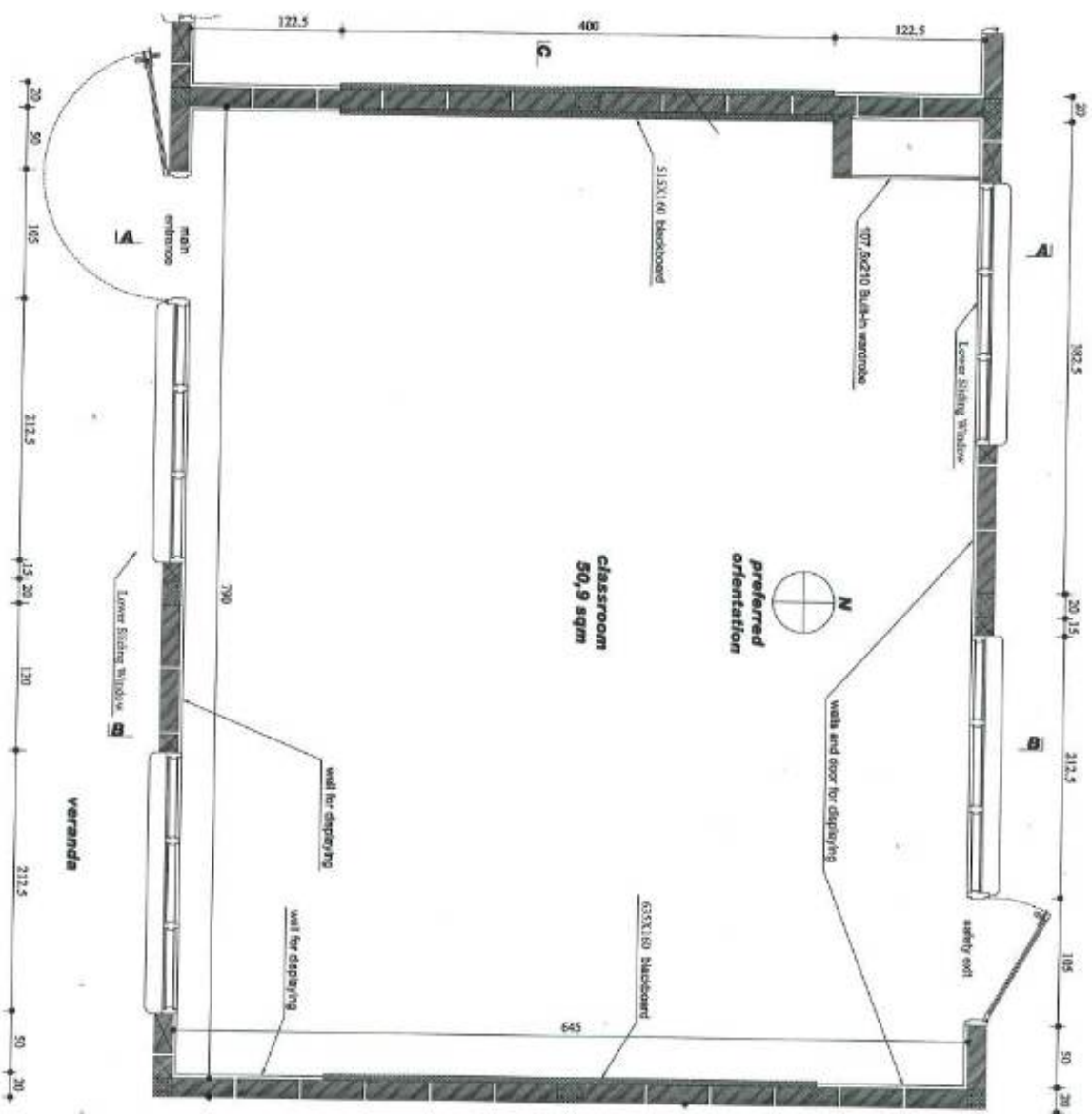
WINDOW AND DOOR SCHEDULE:

Notes: -Sliding window grilles metal windows
+with 4 mm thick clear glazing
-Sliding window with roulette



PROJECT					
CONSTRUCTION OF CLASSROOMS COUNTRY WIDE					
SCHOOL					
					
					
					
Drawing:					
CLASROOMS					
REVISIONS					
DATE	CAD	DESCRIPTION			
DETAILS					
BUILDING MATERIALS					
LOCATION					
PROYECT CODE					
PROYECT NAME					
SCALE					
DATE: April 2010					
PROJECT TITLE					
WITHIN AND BEHIND SCHEDULE					
DESIGNER					
#1					
APPROVED BY: [Signature]					

typical plan



CONSTRUCTION OF
CLASSROOMS COUNTRY WIDE
SCHOOL

Drawing:
CLASSROOMS

Unit	DATE	LOCATION
------	------	----------

COUNTRY	USA
BOMB VICTIM	MURDERING
LOCATION	
CRIMINAL BY	MAN
CRIMINAL BY	MURDERING
SIC-48	
DATE	AUGUST, 2004

8-YEAR TITLE

14230274

M1

DEPARTMENT OF THE ARMY / ARMY OF THE UNITED STATES OF AMERICA

PROJECT TITLE: CONSTRUCTION OF 2 CLASSROOM TVET BLOCK AT GS RUHANGA
LOCATION CITY OF KIGALI
GASABO DISTRICT
RUSORORO SECTOR
BILLS OF QUANTITIES

Item No.	Description	Unit	QUANTITY
I	SITE CLEARANCE AND EXCAVATIONS		
1	site clearance to remove vegetable soil, average 30cm deep, and allow sum for cutting down trees, grubs,shrubs, undergrowth and burn arisings average. including cart away	m3	73.5
2	Excavate trenches to receive foundations; starting from stripped level (Manually using hand tools)	m3	10.6
	Disposal		
3	Return, fill, and Ram/ compact selected excavated materials around foundations,and inside classrooms	m3	10.6
	ANTI - TERMITE TREATMENT GLADIATOR 4 TC Anti termite treatment/ TERMIDOR 25EC or equal and approved chemicals		
4	Under floors,bottom and sides for trenches and column bases,etc,	m2	73.2
	SUB-TOTAL SITE CLEARANCE AND EXCAVATION		
II	FOUNDATION		
5	blinding plain cement concrete of 5 cm thick mix ratio of 1:3	m2	21.1
6	stone masonry in foundation with cement sand mortar at 1/4 mix ratio and 0.4m wide,0.5 m depth	m3	14.5
7	Dense polythene damp-proof course: horizontal, bedded and jointed in gauge mortar (1:3)	m2	21.1
	SUB-TOTAL FOUNDATION		
III	CLASSROOMS CONCRETE (RCC) STRUCTURAL FRAME		
	CONCRETE WORKS with details on reinforcement steel bars as indicated on drawings		
8	In-situ reinforced cement concrete class C20/25 to meet a mix ratio of 1:1:2		
	Footings	m3	0.9
	Subcolumns	m3	0.3
	Ground beams	m3	2.1
	Columns	m3	2.4
	Horizontal Lintel beams	m3	2.1
	SUB -TOTAL CLASSROOMS CONCRETE (RCC) STRUCTURAL FRAME		
IV	WALL ELEVATION MADE FROM BURNT BRICKS		
	Brickwork (modular local bricks) in Class I mortar mix ratio 1:4, (exposed bricks to architect's specification),200MM long per each +cement mortar pointing as wall finishing on both side(INTERNALLY AND EXTERNALLY FOR EACH ROOM)	m2	257.09
	SUB-TOTAL WALL ELEVATION MADE FROM BURNT BRICKS		

V	ROOF as specified to drawing		
V.A	ROOF TRUSS MADE FROM THE BELLOW MATERIAL SPECIFICATION		
	60x40x1.5 mm RHS in Top & Bottom		
	RHS 60x40x1.5 mm Vertical & Diagonal webs		
	RHS 40x40x1.5MM Purlins		
	RHS 40x40x1.5MM Rafters		
V.B	ROOF COVERING	m2	176
	28 gauge auto portant sheet ;3mm thick 3.3kg/m ² ;overlap 150mm fixed with and including approved proprietary steel CLOCHETS (10 CLOCHETS per m ² minimun) complete with rubber		
	Pre-coated troughed Ridge capes cover		
V.C	METALIC GUTTERS		
	1500 x 1350mm*200mm Iron gutter.		
	SUB-TOTAL ROOF		
VI	OPENINGS (DOORS AND WINDOWS)		
	metallic doors as specified to drawing(B*H)=(100x285)cm	nbr	4
	metallic windows as specified to drawings(B*H)= (212x170)cm	nbr	8
	SUB -TOTAL OPENINGS (DOORS AND WINDOWS)		
VII	INTERNAL AND EXTERNAL PAVEMENT		
	classroom pavement made of compacted soil as a subgrade with a layer of medium-sized stone of good quality+ CC (cement concrete sub base) of at least 6cm thick +a wearing top layer floor of cement mortor 10mm- 6mm thick.	sqm	170.56
	INTERNAL AND EXTERNAL PAVEMENT		
VIII	ELECTRICAL INSTALLATION		
	electrical installation made from 3 fluorescent lamps with good luminous intensity for learners+2 switches+2 socket outlet and a curcuit breaker all of them installed with standard wires accepted at rwandan market.	LS	
	SUB-TOTAL ELECTRICAL INSTALLATION		
IX	PAINTING		
	Oil paint can be washed with silky vinyl, and weather guard out side+black bord paints	LS	
	SUB-TOTAL PAINTING		
X	FIXING AND CLOSING WITH PLYWOOD DOORS CLASSROOM'S CLOSETS		
	PLACARDS constructed and closed with high-quality wooden doors	nbr	2
	SUB-TOTAL FIXING AND CLOSING WITH PLYWOOD DOORS		
XI	MINOR EXTERNAL LANDSCAPE WITH REMOVAL OF EXCAVATED SOIL RUNOFF DRAINAGE, AND MINOR GREENING		
	MINOR EXTERNAL LANDSCAPE WITH REMOVAL OF EXCAVATED SOIL RUNOFF DRAINAGE, AND MINOR GREENING	LS	
	MINOR EXTERNAL LANDSCAPE WITH REMOVAL OF EXCAVATED SOIL		
GRAND TOTAL			
TOTAL ESTIMATED COST IS :			