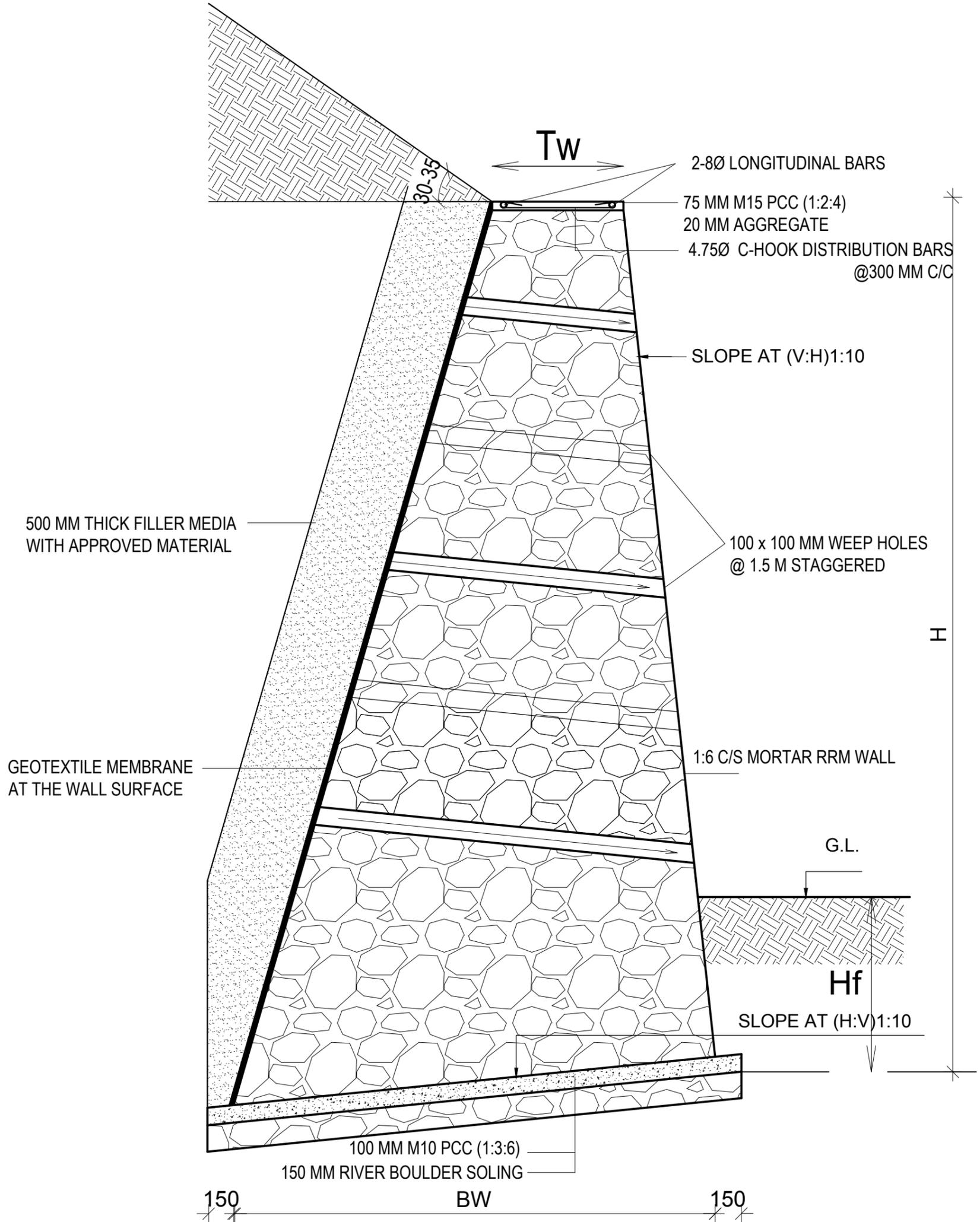


DISASTER RESILIENCE OF PUBLIC SCHOOL
INFRASTRUCTURE AND COMMUNITY (DR-PSIC)

DETAILS

ARCHITECTURAL DRAWINGS



TYPICAL RETAINING WALL

NOTE: EXPANSION JOINT @10M-15M

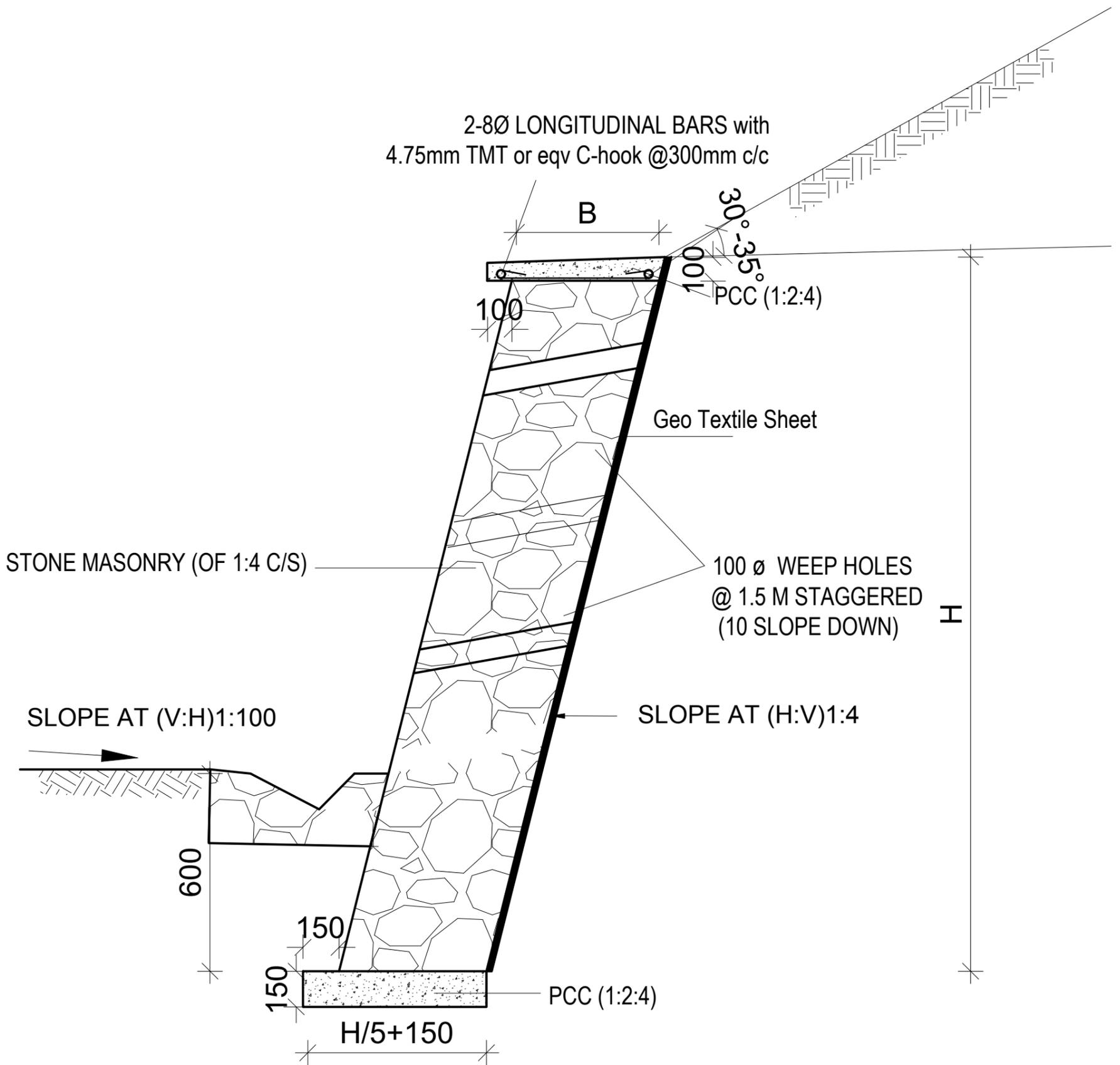
STANDARD DESIGN OF RRM RETAINING WALL

1. Unit Weight of Soil (γ_s) = 17 KN/m³
2. Unit Weight of Masonry (γ_m) = 24 KN/m³
3. Angle of Repose (ϕ) = 30°
4. Angle of Internal Friction (ϕ) = 30°
5. Surcharge (β) = 15°-30°

Note: Maximum Separation gap @ (10-15) m c/c of wall length with (75-100) mm gap.

S.N	H (m)	SBC 80 KN/m ²		SBC 100 KN/m ²		SBC 150 KN/m ²		Remarks
		Bw (m)	Tw (m)	Bw (m)	Tw (m)	Bw (m)	Tw (m)	
1	1	0.50	0.45	0.50	0.45	0.50	0.45	0.40
2	2	0.90	0.60	0.90	0.60	0.90	0.60	0.50
3	3	1.80	0.60	1.80	0.60	1.80	0.60	0.60
4	4	2.40	0.70	2.40	0.70	2.40	0.70	0.75
5	5	3.95	0.75	3.5	0.75	2.75	0.75	1.00

CLIENT: Government of Nepal National Reconstruction Authority Central Level Project Implementation Unit-Education	PROJECT TITLE: DISASTER RESILIENCE OF PUBLIC SCHOOL INFRASTRUCTURE AND COMMUNITY (DRPSIC)	SHEET TITLE: TYPICAL RETAINING WALL DESIGN	CONSULTANT: DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM/ SILT/ PACE/ CAGE JV	PLANNING AND DESIGN TEAM: ENGINEER: ARCHITECT: Sudeep Shukya DRAWN: Ar. Srishti Paudel SCALE: PAPER SIZE: A3 DATE: MAY 2018	REVISION: CHECKED: APPROVED:	SHEET NO. DET-01 DWG CODE: DET
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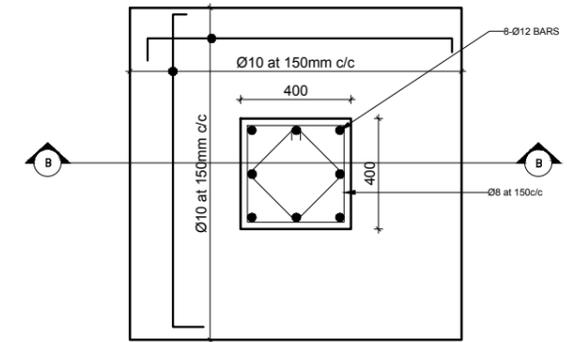


TYPICAL SECTION OF BREAST WALL (STONE MASONRY IN 1:4 C/S)

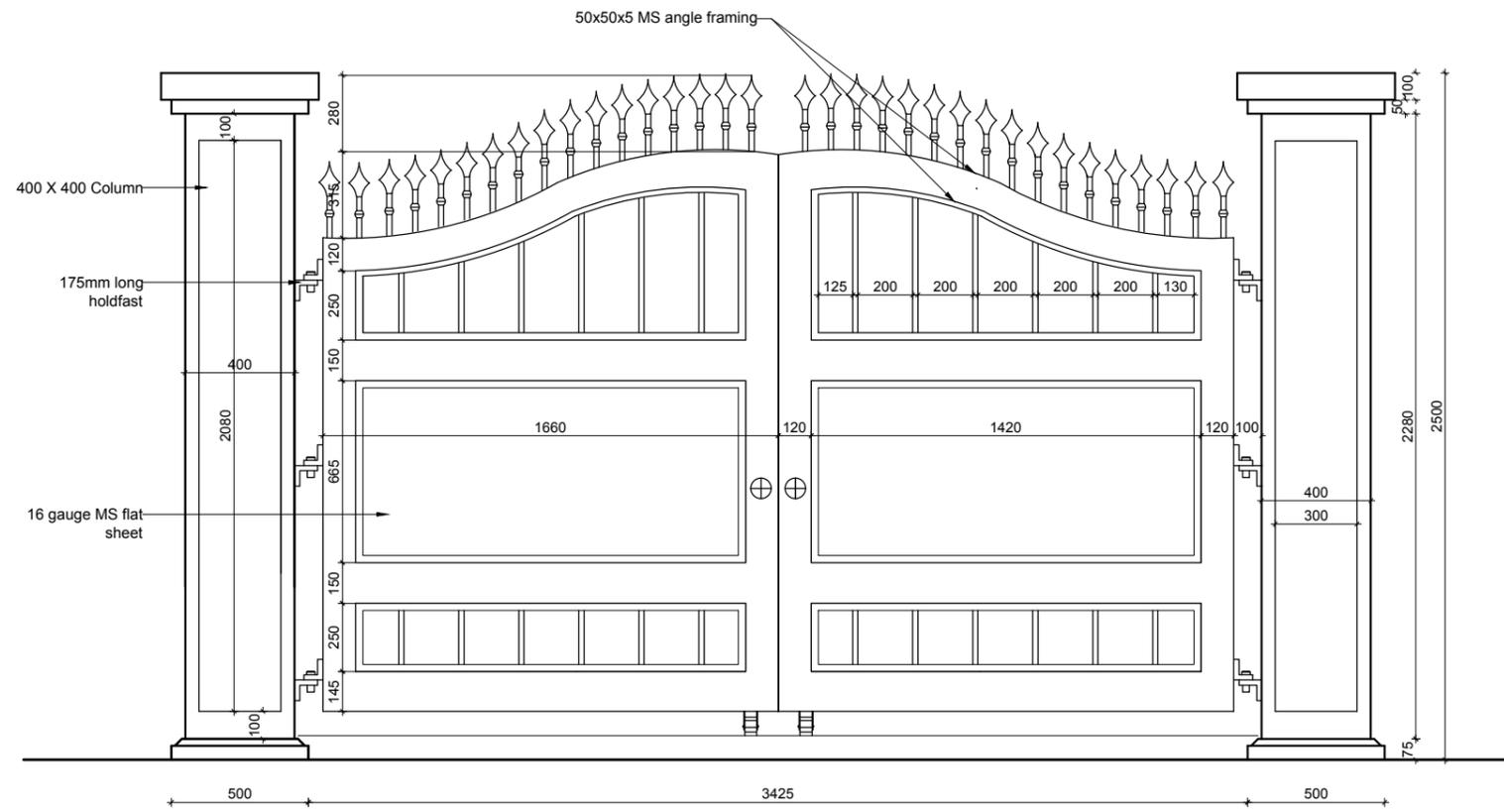
Note:

- 1) All the dimensions are in mm.
- 2) Expansion Joints should be 10 cm @ 10-15 m c/c
- 3) Permissible Height and Breadth
 - Height of the breast wall (H) should be equal to the five times the breadth of the breast wall (B) (i. e. $H=5B$)
 - B should not be less than 600 mm (i.e $B \geq 600$ mm)
 - Height of the breast wall should not be less than 3000 mm (i.e. $H \leq 3000$ mm)

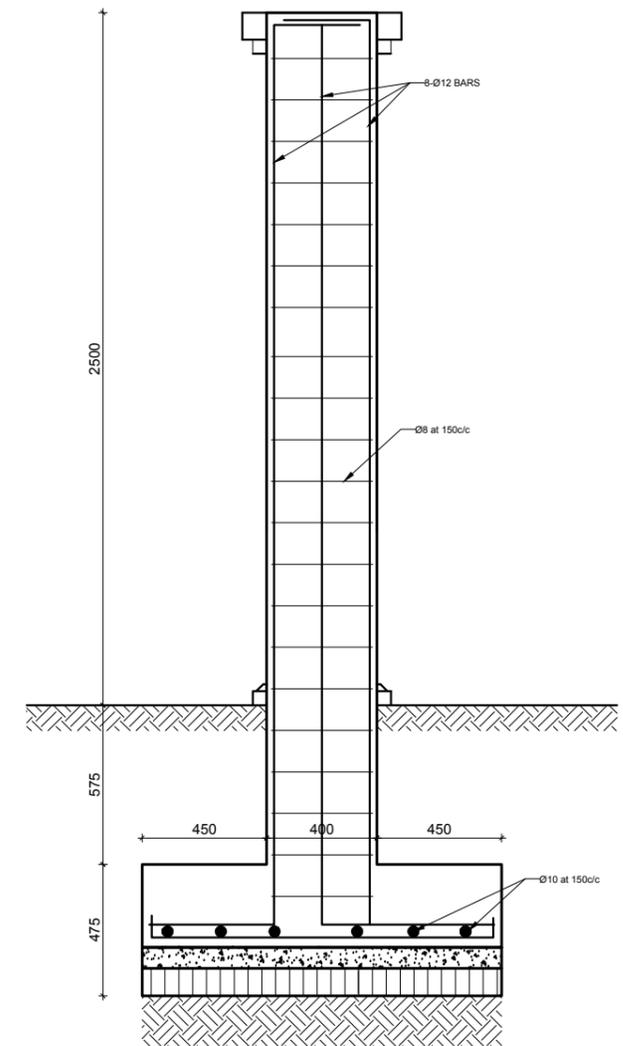
CLIENT:	PROJECT TITLE:	SHEET TITLE:	CONSULTANT:	PLANNING AND DESIGN TEAM:	SHEET NO. DET-02
 Government of Nepal National Reconstruction Authority Central Level Project Implementation Unit-Education	DISASTER RESILIENCE OF PUBLIC SCHOOL INFRASTRUCTURE AND COMMUNITY (DRPSC)	TYPICAL BREAST WALL DESIGN	DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM/ SILT/ PACE/ CAGE JV	ENGINEER:	REVISION:
				ARCHITECT: Sudeep Shukya DRAWN: Ar. Srishti Paudel SCALE: PAPER SIZE: A3 DATE: MAY 2018	CHECKED: APPROVED: DET



MAIN GATE PLAN

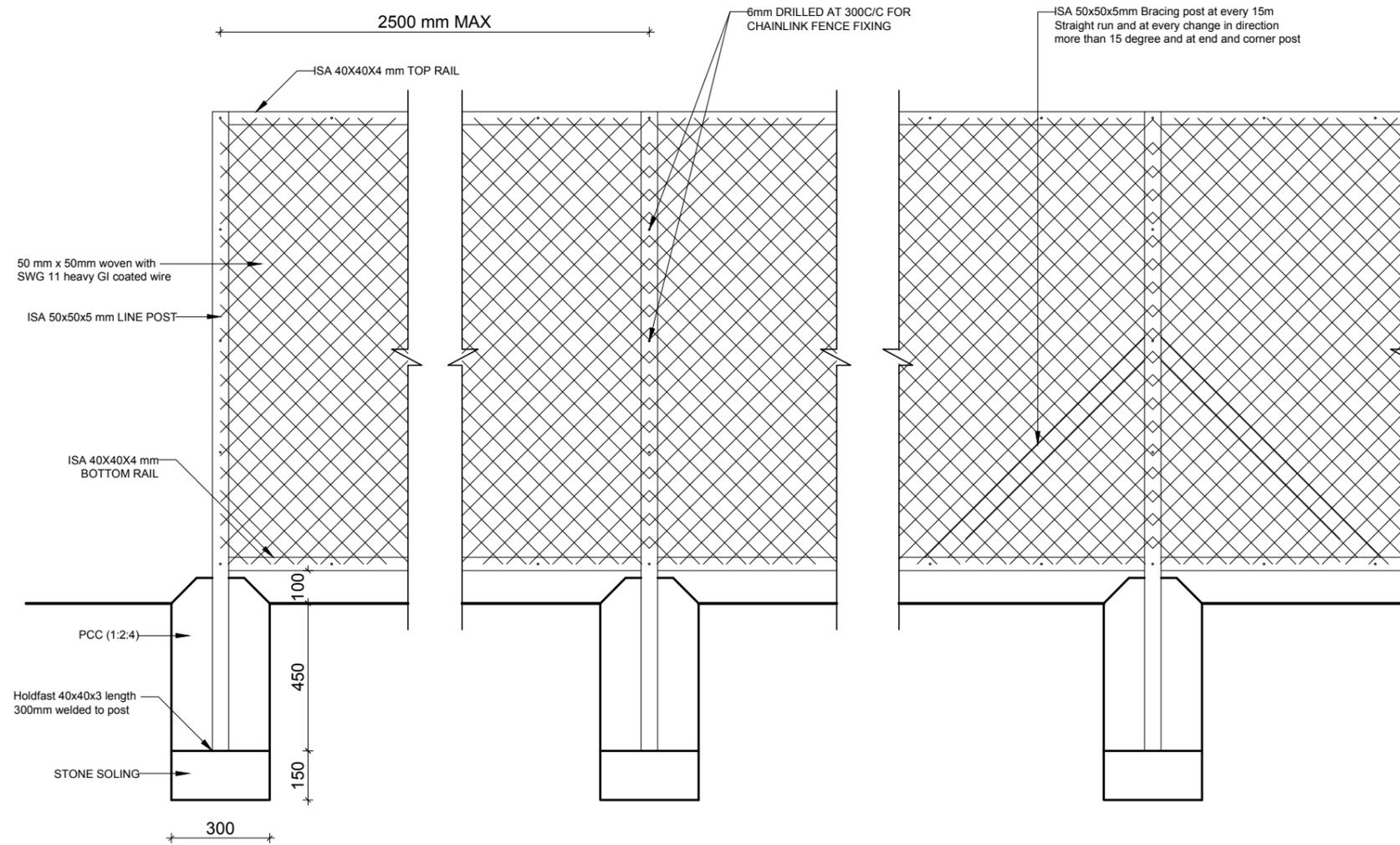


MAIN GATE ELEVATION

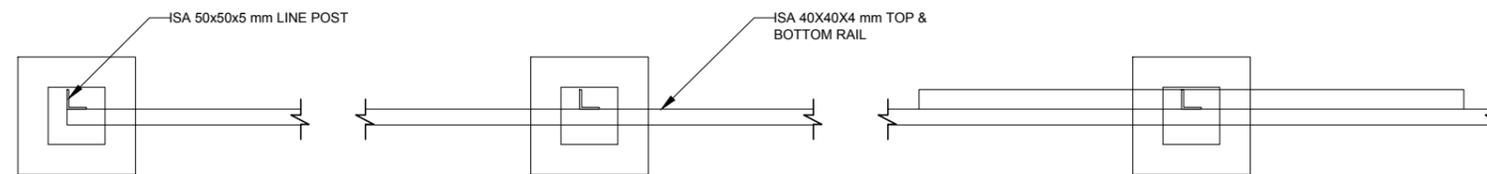


SECTION AT B-B

<p>CLIENT</p>	<p>PROJECT TITLE</p>	<p>SHEET TITLE</p>	<p>CONSULTANT</p>	<p>PLANNING DESIGN TEAM</p>	<p>SHEET NO. DET-03</p>
 <p>Government of Nepal National Reconstruction Authority Central Level Project Implementation Unit-Education</p>	<p>Disaster Resilience of Public School Infrastructure and Community (DR-PSIC)</p>	<p>DETAILS</p>	<p>DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM / SILT/ PACE/ CAGE JV</p> 	<p>ENGINEER: _____ ARCHITECT: Sudeep Shukya DRAWN : Sristi Poudel SCALE: _____</p> <p>STRUCTURE ER: _____ CHECKED: _____ APPROVED: _____ DATE: May 2018</p>	<p>DWG CODE: DET</p>

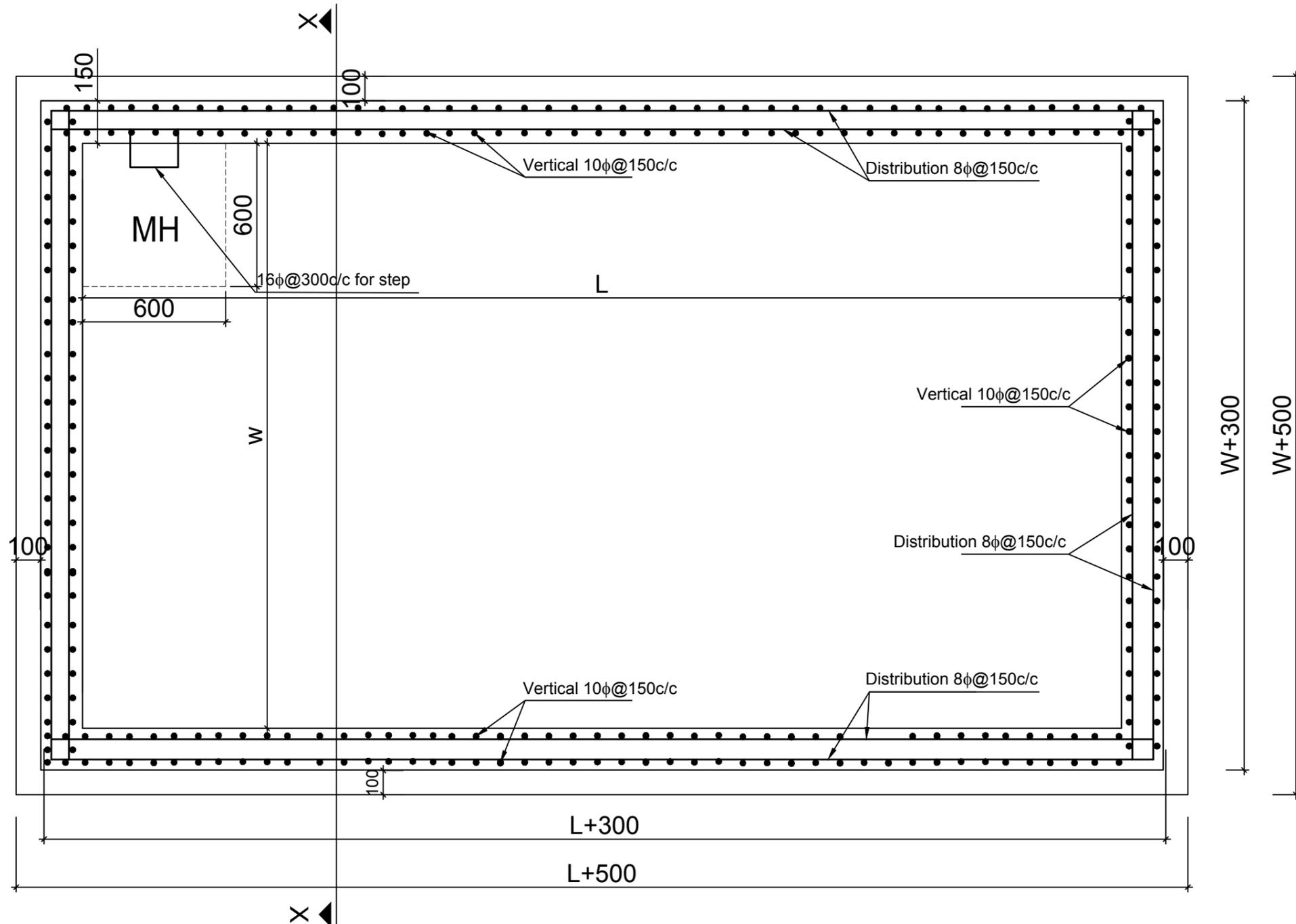


CHAINLINK FENCE SECTIONAL ELEVATION



CHAINLINK FENCE PLAN

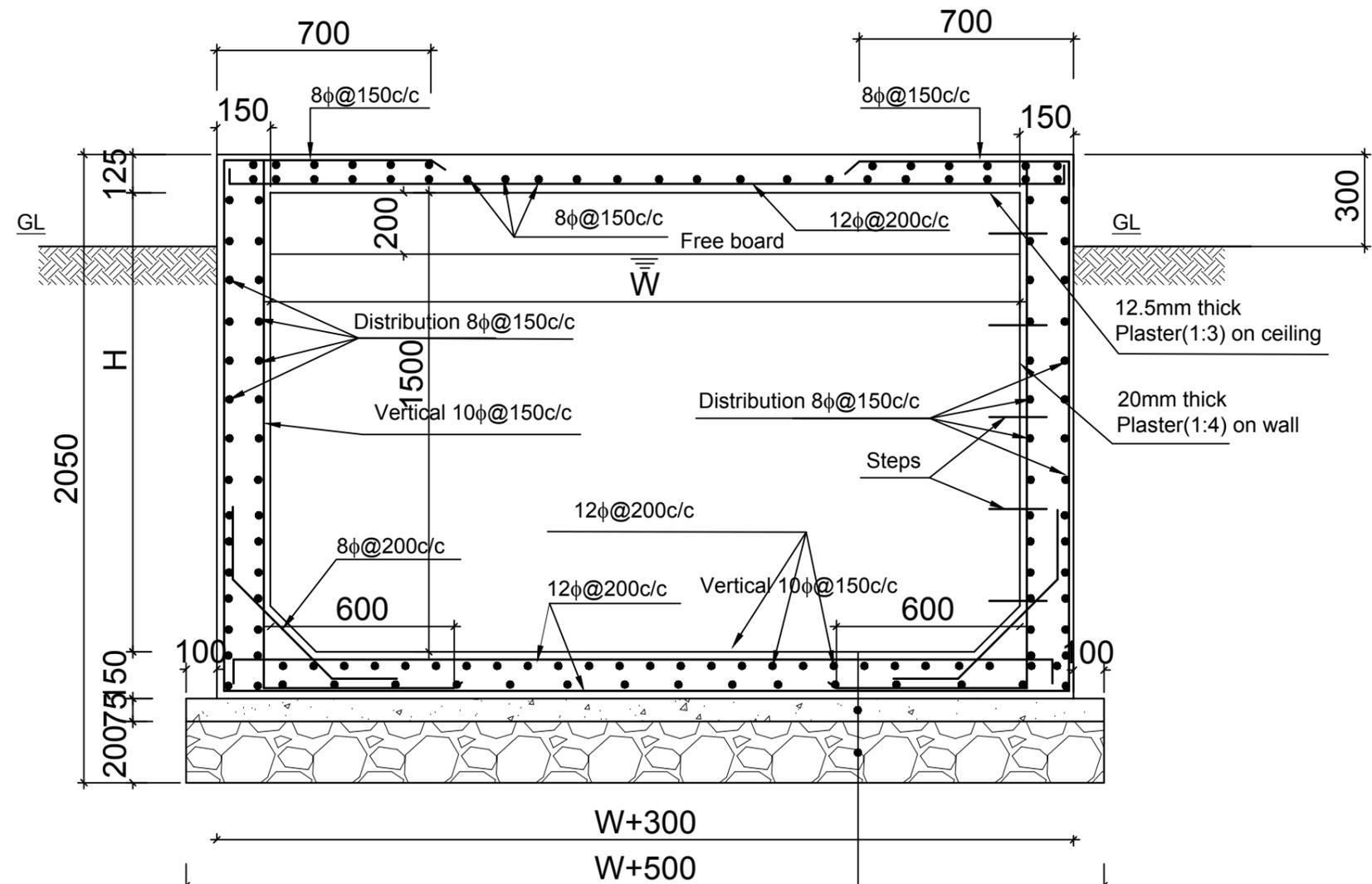
CLIENT	PROJECT TITLE	SHEET TITLE	CONSULTANT	PLANNING DESIGN TEAM		SHEET NO. DET-04
 Government of Nepal National Reconstruction Authority Central Level Project Implementation Unit-Education	Disaster Resilience of Public School Infrastructure and Community (DR-PSIC)	DETAILS	DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM / SILT / PACE / CAGE JV	ENGINEER:	STRUCTURE ER:	DWG CODE: DET
				ARCHITECT: Sudeep Shukya	CHECKED:	
				DRAWN : Sristi Poudel	APPROVED:	
SCALE:	PAPER SIZE : A3	DATE: May 2018				



SECTIONAL PLAN OF RCC WATER TANK

WATER TANK SCHEDULE				
USER NUMBER	CAPACITY (liter)	LENGTH (L)	WIDTH (W)	HEIGHT (H)
Upto 500	15000	4.0 m	2.5 m	1.5 m
Upto 1000	25000	6.5 m	2.5 m	1.5 m

CLIENT	PROJECT TITLE	SHEET TITLE	CONSULTANT	PLANNING DESIGN TEAM		SHEET NO. DET-05
	Disaster Resilience of Public School Infrastructure and Community (DR-PSIC)	RCC WATER TANK	DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM/ SILT/ PACE/ CAGE JV	ENGINEER:	REVISION:	DWG CODE: DET
				ARCHITECT: Ar. SUDEEP SHAKYA	CHECKED:	
				DRAWN : Ar. GARIMA NAKARMI	APPROVED:	
SCALE :	PAPER SIZE : A3	DATE: MAY 2018				



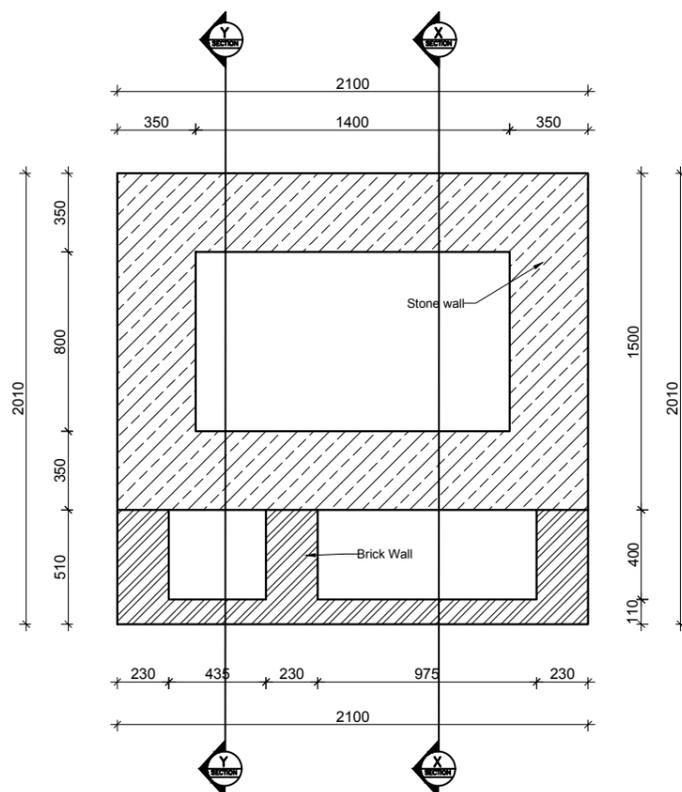
SECTION AT X-X

- 3 mm thick cement sand punning
- 20mm thick Plaster(1:4) on floor
- Elastocrete cementitious elastometric water proofing
- 3"th. P.C.C.(1:2:4)
- 200mm thick River boulder soling

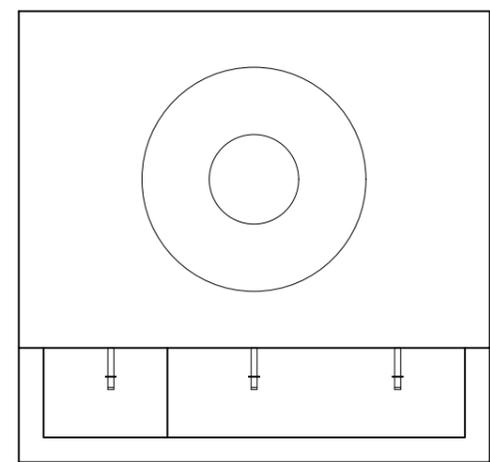
WATER TANK SCHEDULE

USER NUMBER	CAPACITY (liter)	LENGTH (L)	WIDTH (W)	HEIGHT (H)
Upto 500	15000	4.0 m	2.5 m	1.5 m
Upto 1000	25000	6.5 m	2.5 m	1.5 m

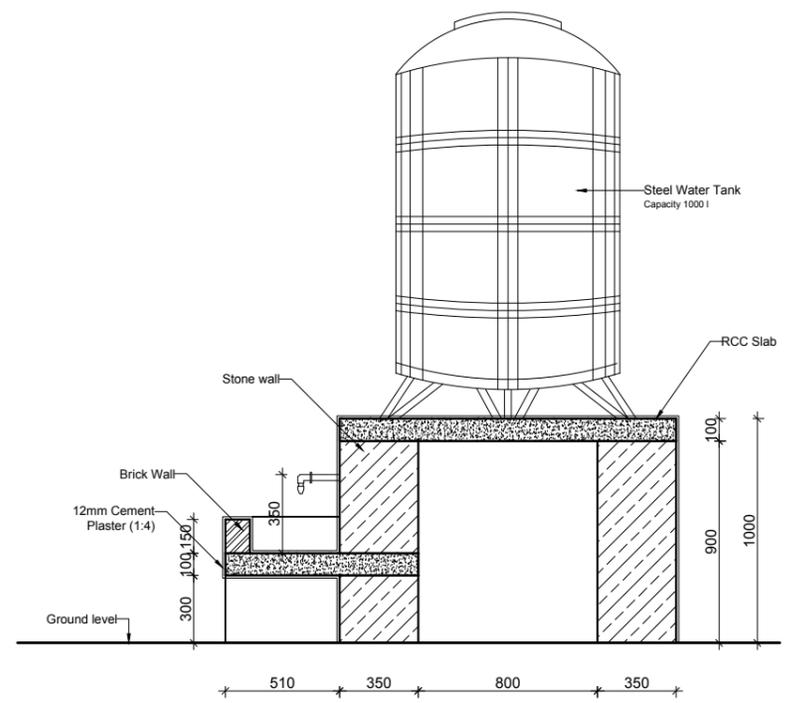
CLIENT	PROJECT TITLE	SHEET TITLE	CONSULTANT	PLANNING DESIGN TEAM	SHEET NO.
 Government of Nepal National Reconstruction Authority Central Level Project Implementation Unit-Education	Disaster Resilience of Public School Infrastructure and Community (DR-PSIC)	RCC WATER TANK	DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM/ SILT/ PACE/ CAGE JV 	ENGINEER: ARCHITECT: Ar. SUDEEP SHAKYA	SHEET NO. DET-06
				REVISION: CHECKED: APPROVED: SCALE : PAPER SIZE : A3 DATE: MAY 2018	DWG CODE: DET



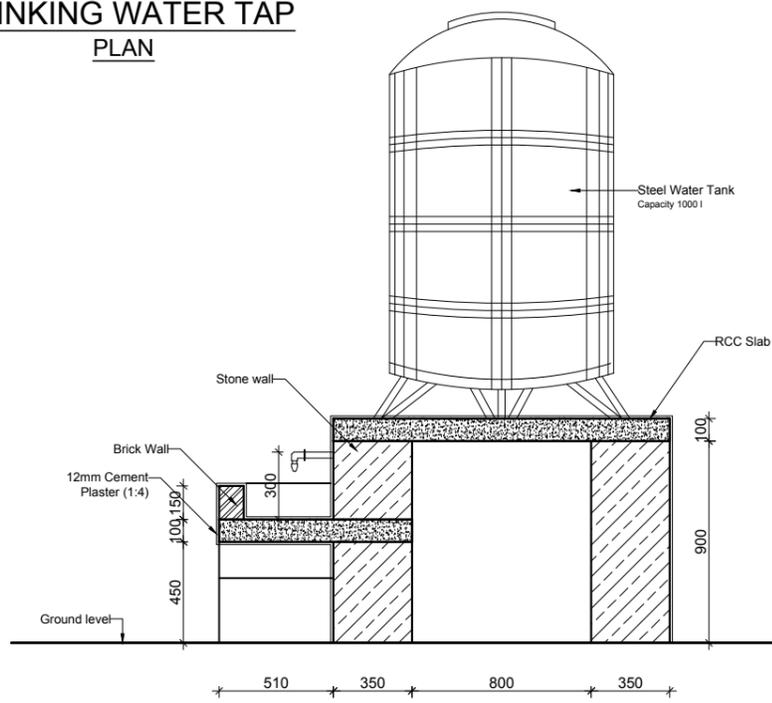
**DRINKING WATER TAP
PLAN**



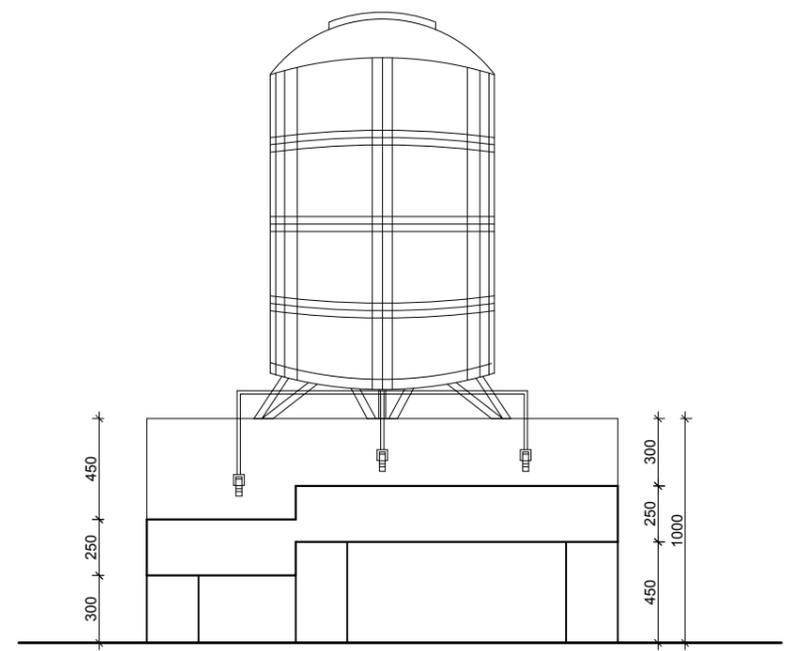
**DRINKING WATER TAP
TOP VIEW**



**DRINKING WATER TAP
SECTION AT Y-Y**

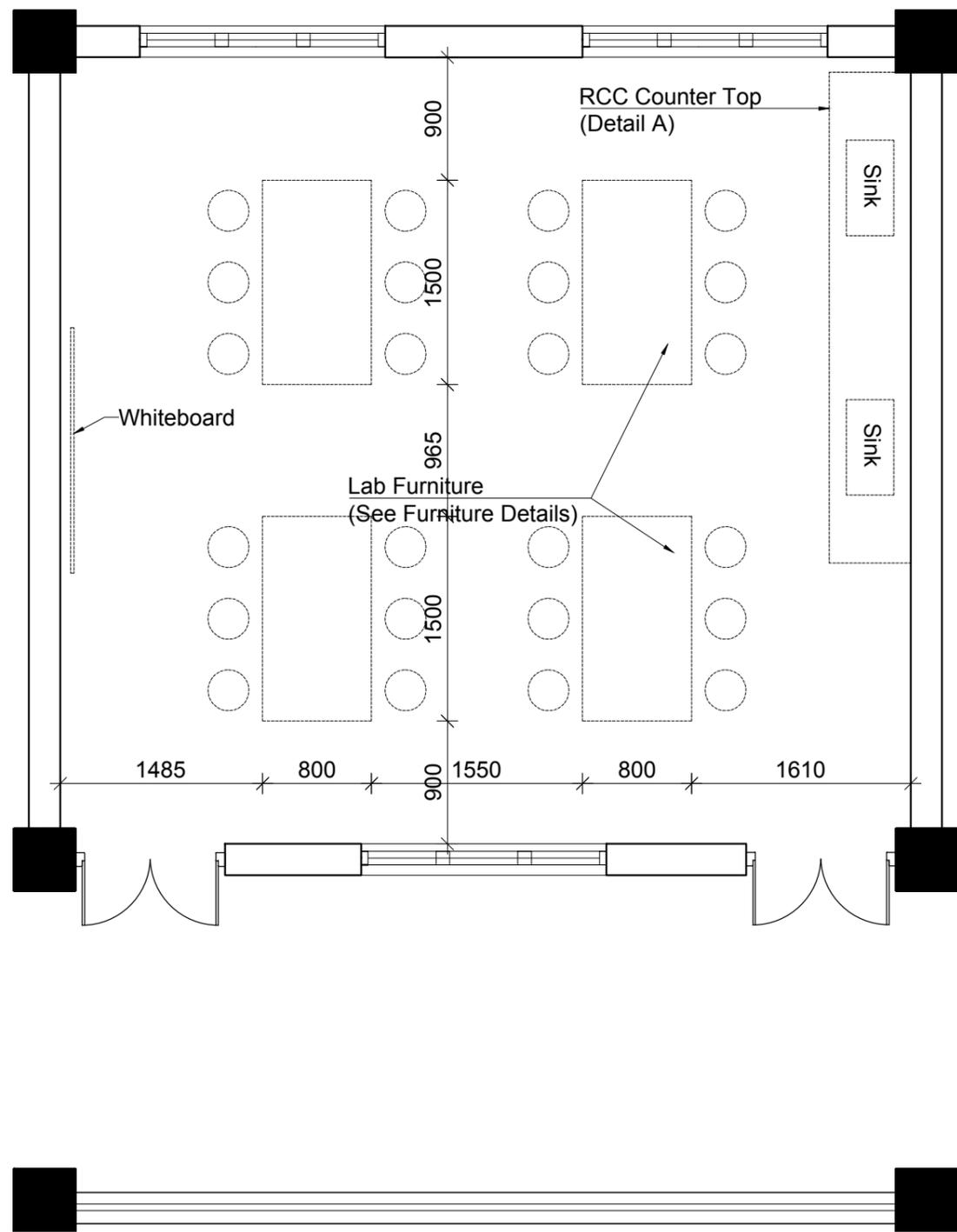


**DRINKING WATER TAP
SECTION AT X-X**

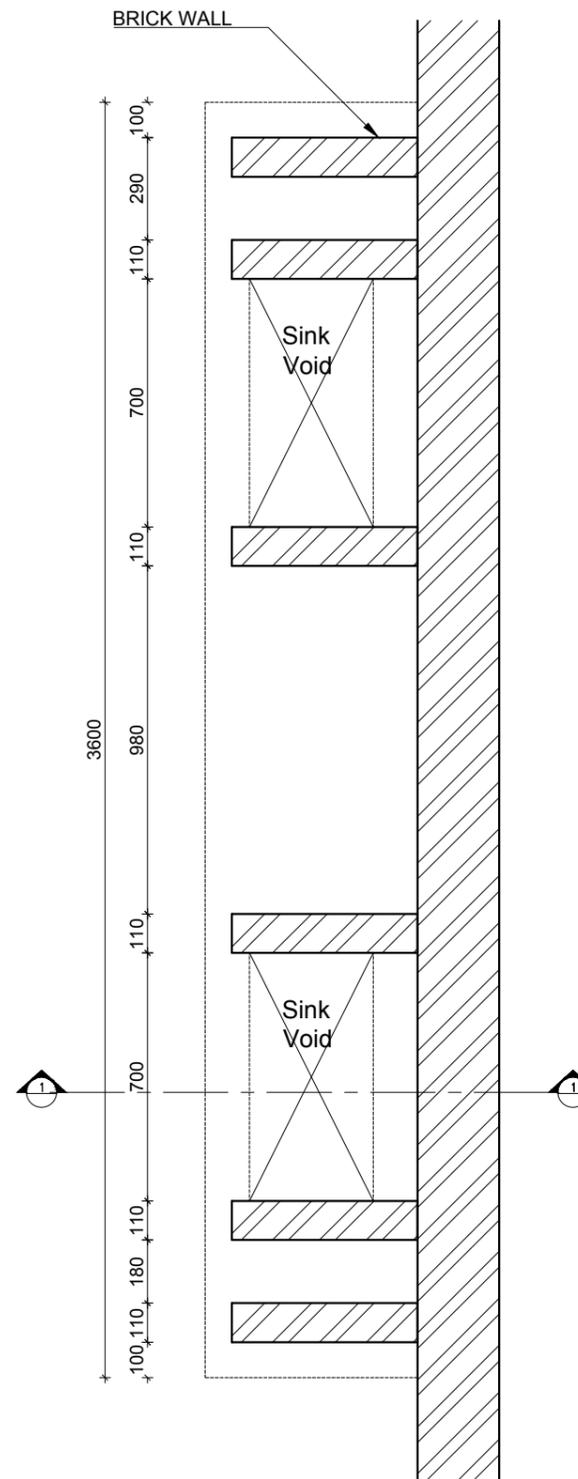


**DRINKING WATER TAP
FRONT ELEVATION**

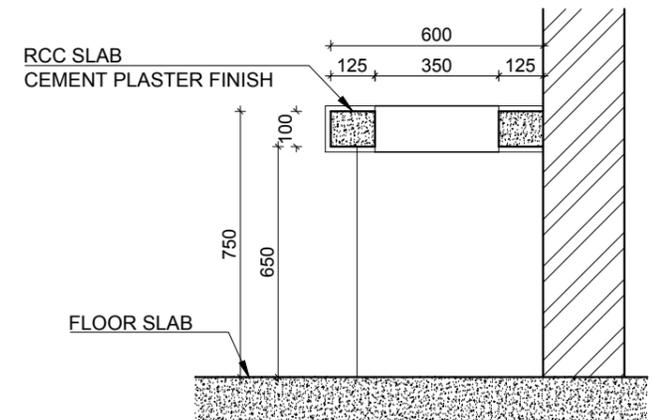
<p>CLIENT</p>	<p>PROJECT TITLE</p>	<p>SHEET TITLE</p>	<p>CONSULTANT</p>	<p>PLANNING DESIGN TEAM</p>	<p>SHEET NO. DET-07</p>
 <p>Government of Nepal National Reconstruction Authority Central Level Project Implementation Unit-Education</p>	<p>Disaster Resilience of Public School Infrastructure and Community (DR-PSIC)</p>	<p>DETAILS</p>	<p>DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM / SILT / PACE / CAGE JV</p>	<p>ENGINEER: ARCHITECT: Sudeep Shukya DRAWN: Sristi Poudel SCALE:</p> <p>STRUCTURE ER: CHECKED: APPROVED: DATE: May 2018</p>	<p>DWG CODE: DET</p>



TYPICAL LABORATORY LAYOUT

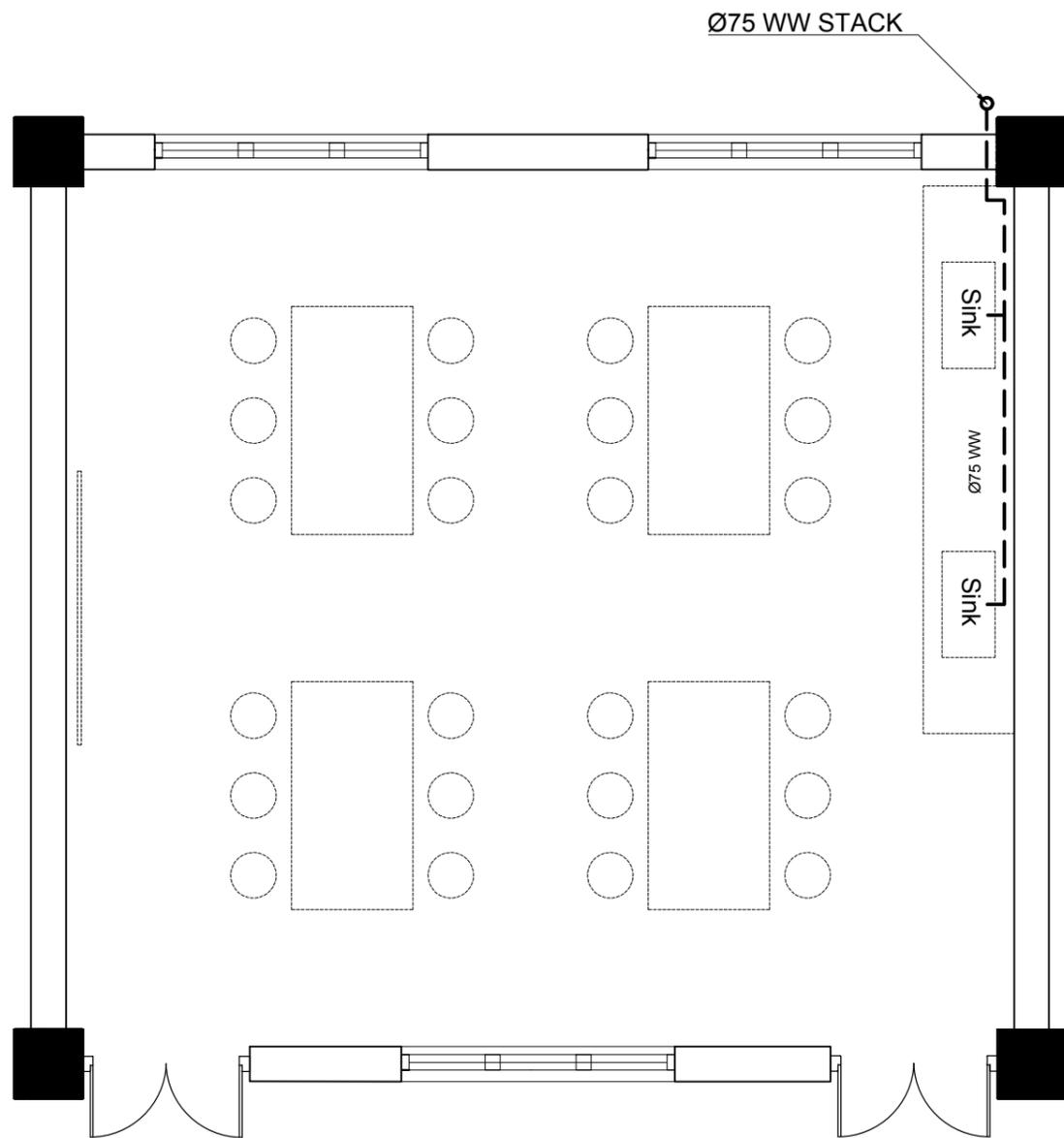


**DETAIL A
PLAN**

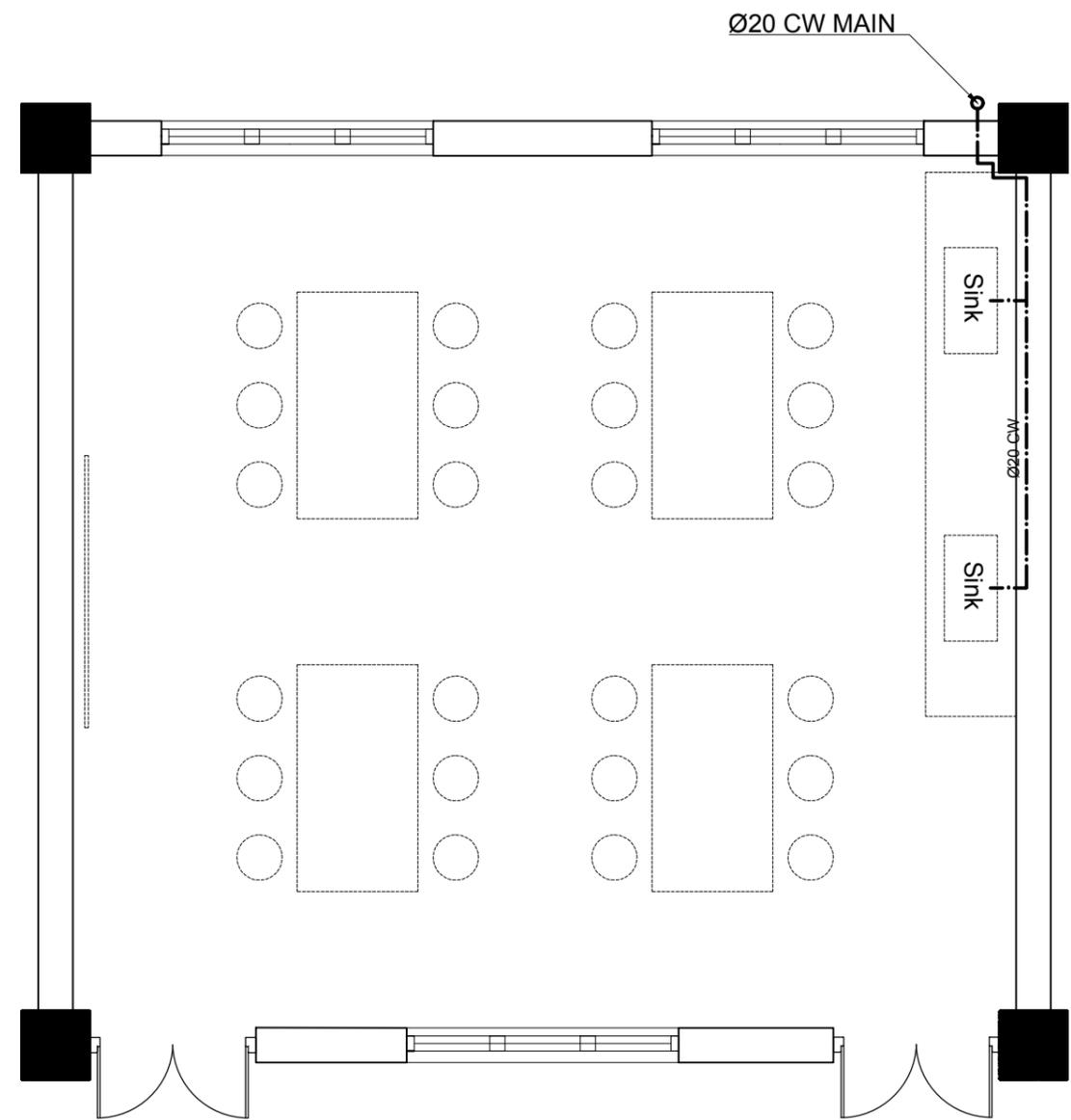


**DETAIL A
SECTION AT 1-1**

CLIENT	PROJECT TITLE	SHEET TITLE	CONSULTANT	PLANNING DESIGN TEAM	SHEET NO. LAB-01
 Government of Nepal, National Reconstruction Authority Central Level Project Implementation Unit-Education	Disaster Resilience of Public School Infrastructure and Community (DR-PSIC)	LABORATORY DETAILS	DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM / SILT/ PACE/ CAGE JV 	ENGINEER: Salin Shrestha ARCHITECT: Sudeep Shakya DRAWN : Garima Nakarmi SCALE : 1:100	STRUCTURE ER: CHECKED: APPROVED: DATE: May 2018
					DWG CODE: LAB



SANITARY LAYOUT
WASTE WATER LAYOUT



SANITARY LAYOUT
WATER SUPPLY LAYOUT

LEGEND FOR SANITARY DRAWINGS

SYMBOL	DESCRIPTION
	Ø20 CW COLD WATER PIPE, CPVC, SIZE IN MM
	Ø75 WW PVC WASTE WATER PIPE, SIZE IN MM

	CLIENT	PROJECT TITLE	SHEET TITLE	CONSULTANT	PLANNING DESIGN TEAM		SHEET NO. LAB-02
	Government of Nepal, National Reconstruction Authority Central Level Project Implementation Unit-Education	Disaster Resilience of Public School Infrastructure and Community (DR-PSIC)	LABORATORY DETAILS SANITARY DETAILS	DESIGN & SUPERVISION CONSULTANT(DSC-1) ERM/ SILT/ PACE/ CAGE JV	ENGINEER: Sain Shrestha ARCHITECT: Sudeep Shakya DRAWN : Garima Nakarmi SCALE : 1:100	STRUCTURE ER: CHECKED: APPROVED: DATE: May 2018	DWG CODE: LAB