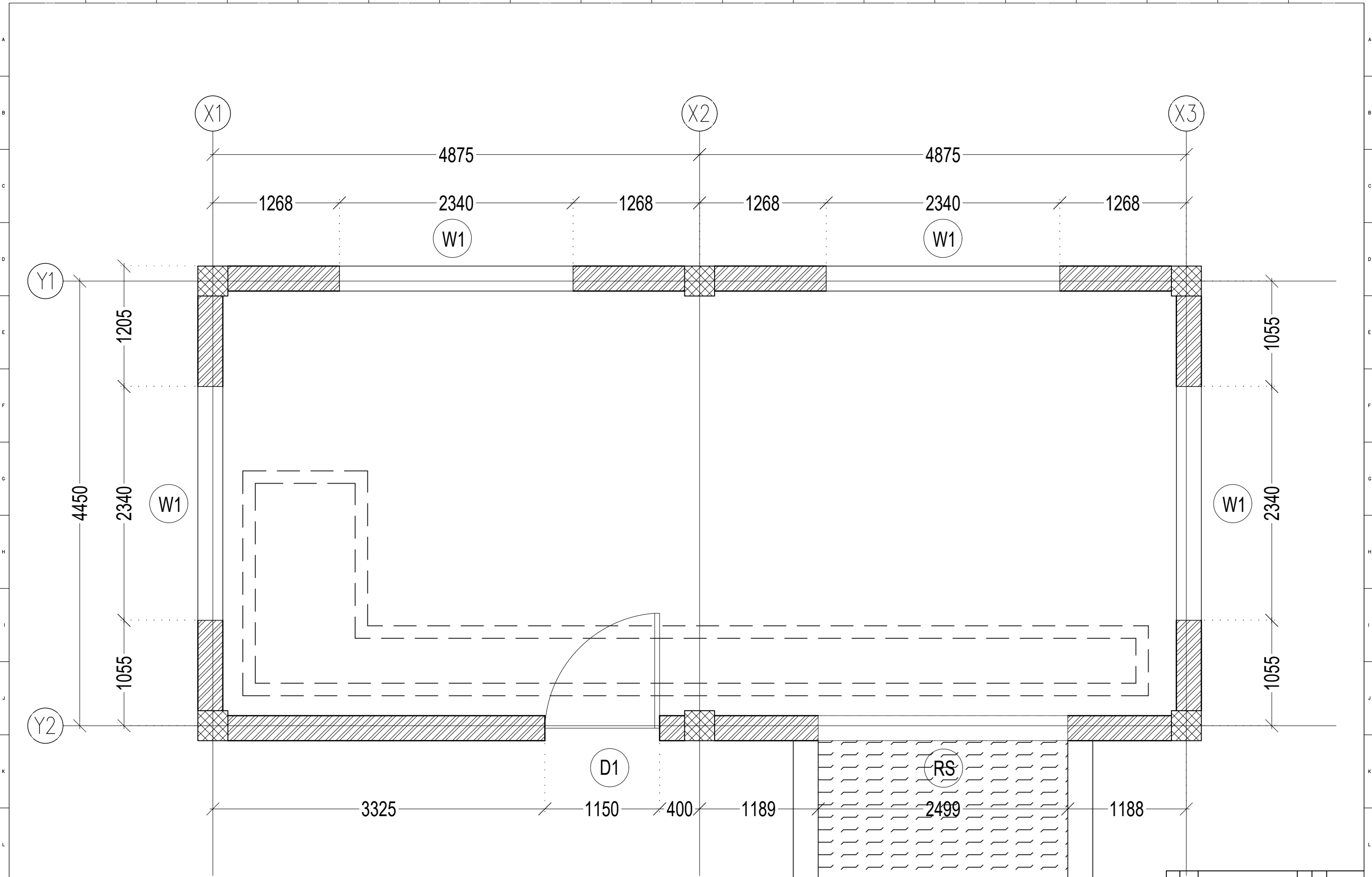


# ARCHITECTURAL DRAWINGS


PUMP HOUSE

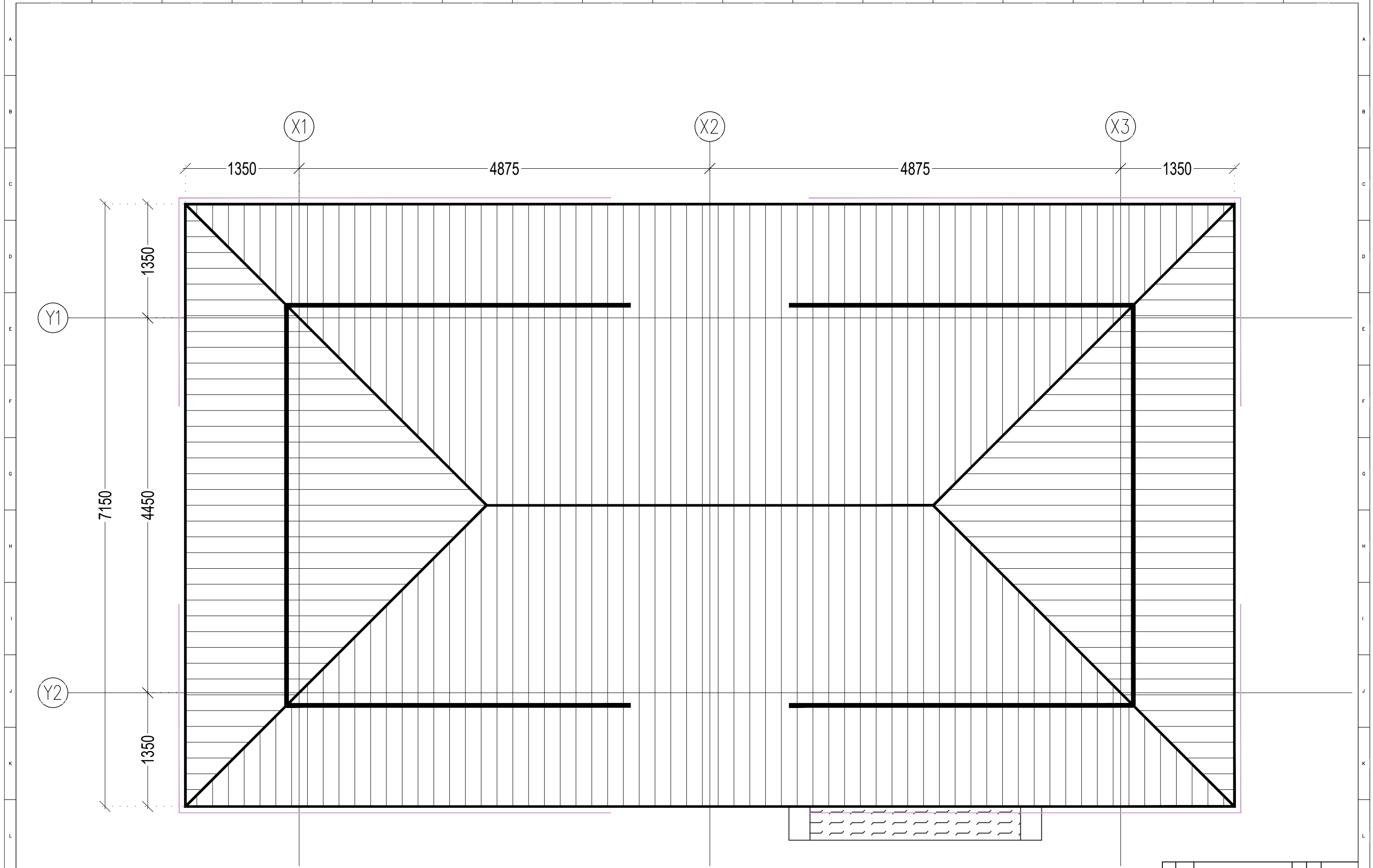
PROJECT  
LOCATION

CONSTRUCTION OF 66/33kV SUBSTATION AND ASSOCIATED WORKS  
: JAMTSHOLING, TASHICHOLING (SIPSOO), SAMTSE, BHUTAN





# PUMP HOUSE PLAN

REV.	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOG					
TITLE : PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWN :			APPROVED :		
(SIGNED) :			(SIGNED) :		
DATE : FEBRUARY 2021			SCALE : AS STATED		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-01					REV. RO



ROOF PLAN

REV.	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE : PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWING :			APPROVED :		
(DORJI KHILEY) BE / MPE-CIVIL			 DATE : FEBRUARY 2021		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-02					REV. RO

Roof lvl +5.260m

Eaves lvl +4.500m

Roof slab lvl +3.900m

Plinth lvl +0.300m



Ground lvl +0.000m

X1

X2

X3

# FRONT ELEVATION

REV	DATE	DESCRIPTION	BY	CHKD.	APPD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
<b>PROJECT</b> CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
<b>TITLE:</b> PUMP ARCHITECTURAL DRAWINGS					
<b>DESIGNED / DRAWING:</b> (DORJI KHILEY) BE / MPE-CIVIL			<b>APPROVED:</b>  DATE : FEBRUARY 2021 SCALE : AS STATED		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-03					REV. RO

Roof lvl +5.260m

Eaves lvl +4.500m

Roof slab lvl +3.900m

Plinth lvl +0.300m



Ground lvl +0.000m

X1

X2

X3

### REAR ELEVATION

REV	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE: PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWN:			APPROVED :		
(DORJI KHILEY) BE / MPE-CIVIL			 DATE : FEBRUARY 2021		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-04					REV. RO

Y2

Y1

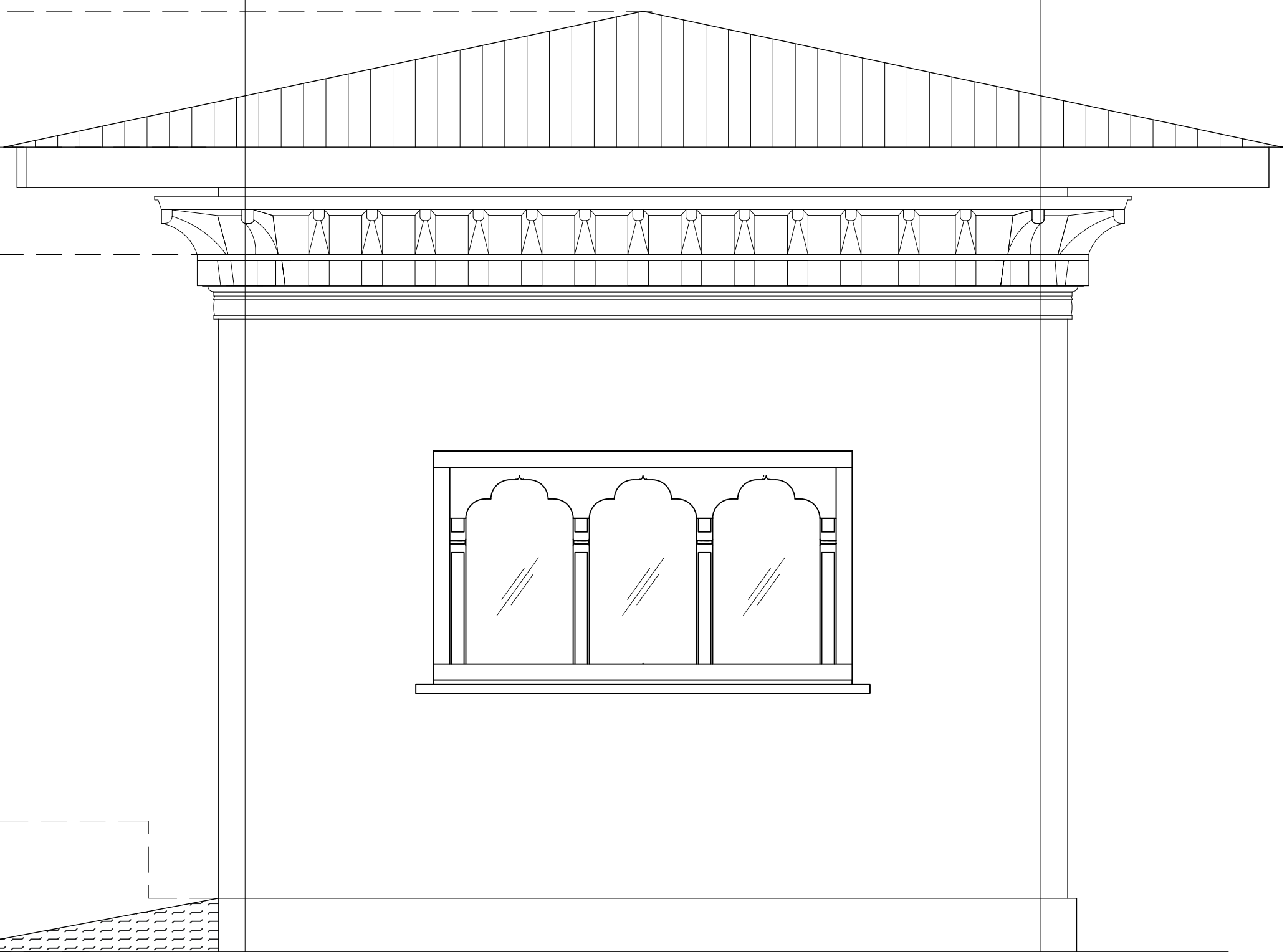
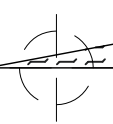
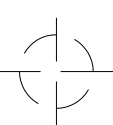
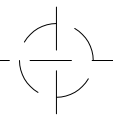
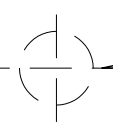
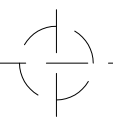
Roof lvl +5.260m

Eaves lvl +4.500m



Roof slab lvl +3.900m

Plinth lvl +0.300m

Ground lvl +0.000m



# RIGHT ELEVATION

REV.	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE : PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWN : (DORJI KHILEY) BE / MPE-CIVIL			APPROVED : 		
			DATE : FEBRUARY 2021		
			SCALE : AS STATED		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-05					REV. RO

Roof lvl +5.260m

Eaves lvl +4.500m

Roof slab lvl +3.900m



Plinth lvl +0.300m

Ground lvl +0.000m

Y1

Y2

# LEFT ELEVATION

REV.	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE : PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWN : 			APPROVED :		
(DORJI KHILEY) BE / MPE-CIVIL			DATE : FEBRUARY 2021		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-06			SCALE : AS STATED		
			REV. RO		

Roof lvl +5.260m

Eaves lvl +4.500m

Roof slab lvl +3.900m

Plinth lvl +0.300m

Ground lvl +0.000m

REFER STRUCTURAL DWG

Monorail beam  
ISMB 250, 4225mm length

3200

600

952

150

1200

90



90

1119

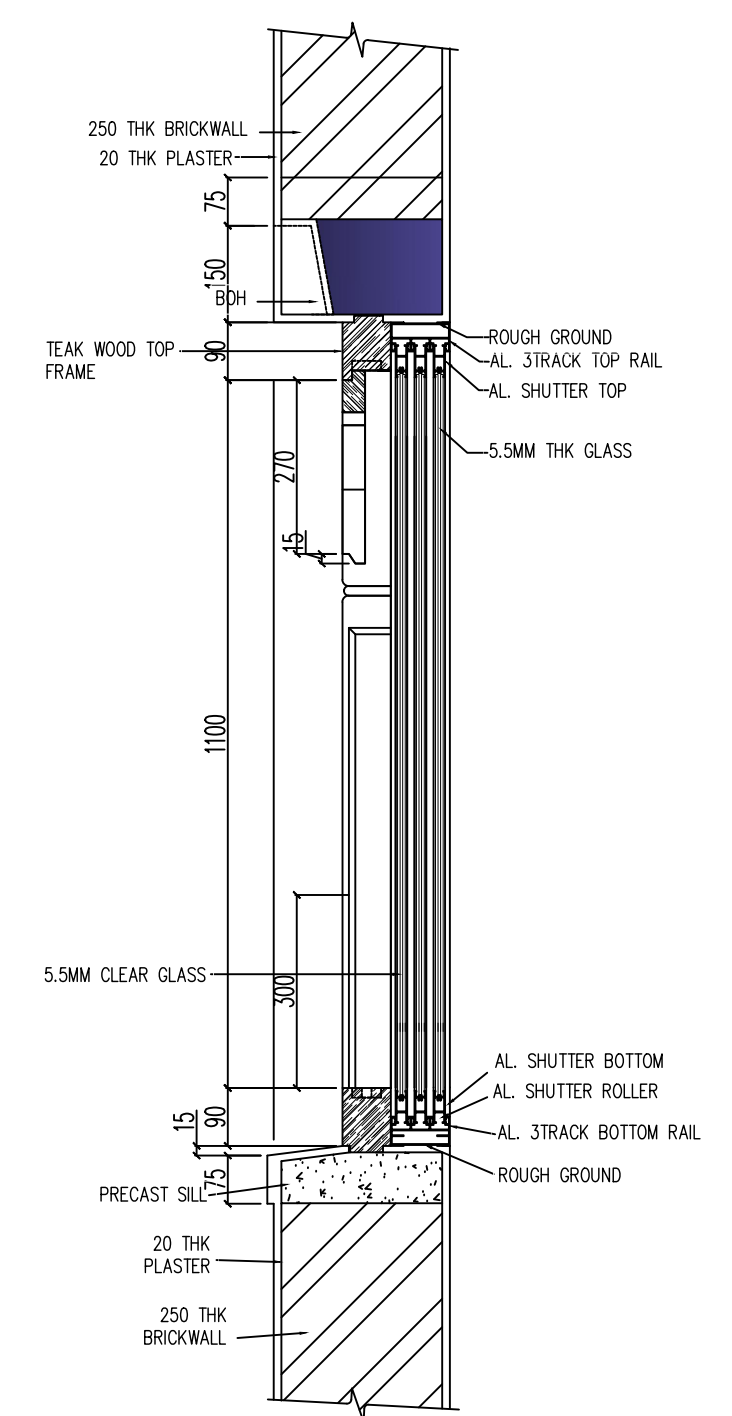
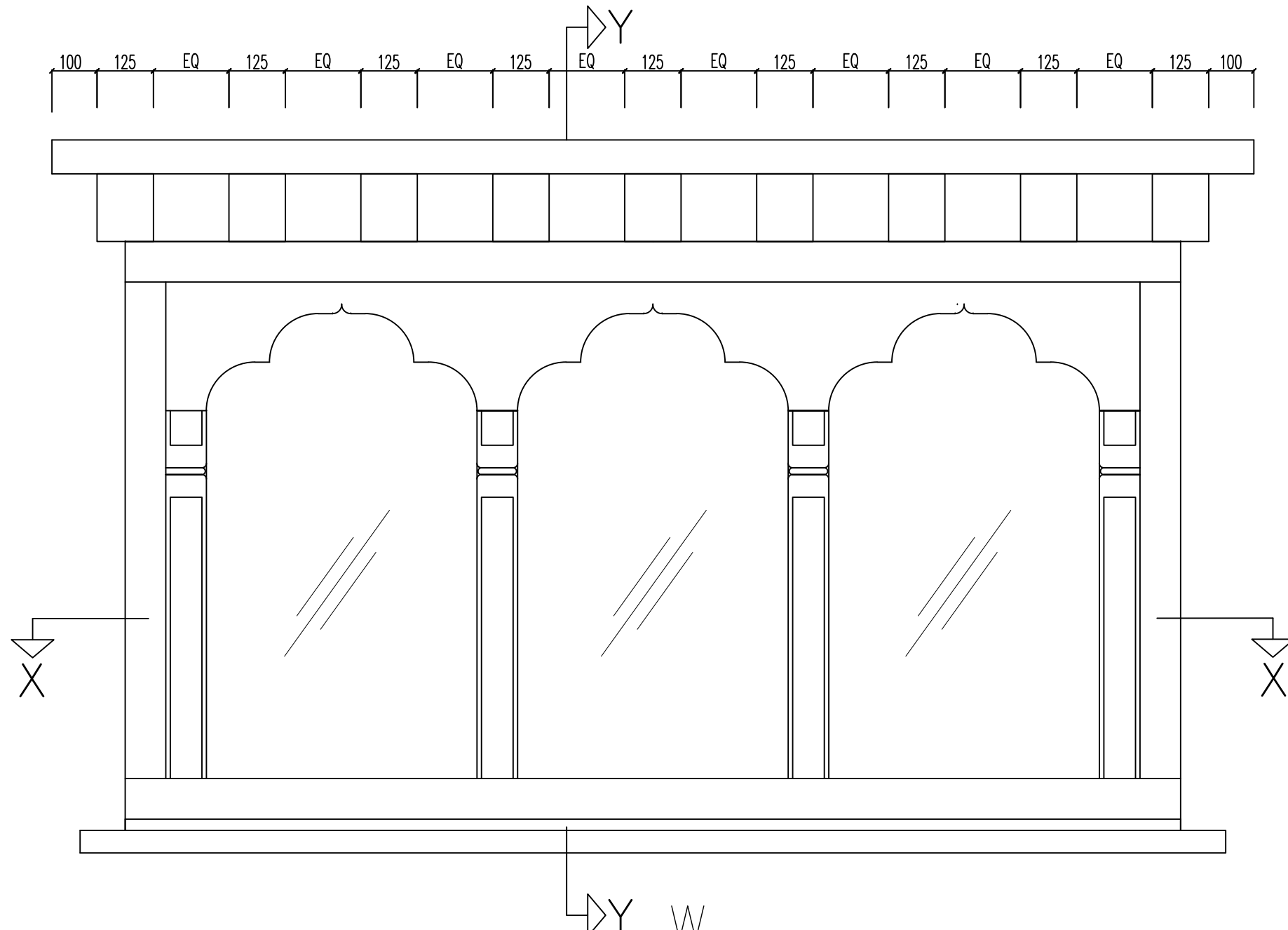
300

- 100 mm thick PCC 1:3:6 with neat cement finish
- Damp Proof Course
- 50mm thick stabilized sand band
- 150mm thick stone soling
- Compacted earth

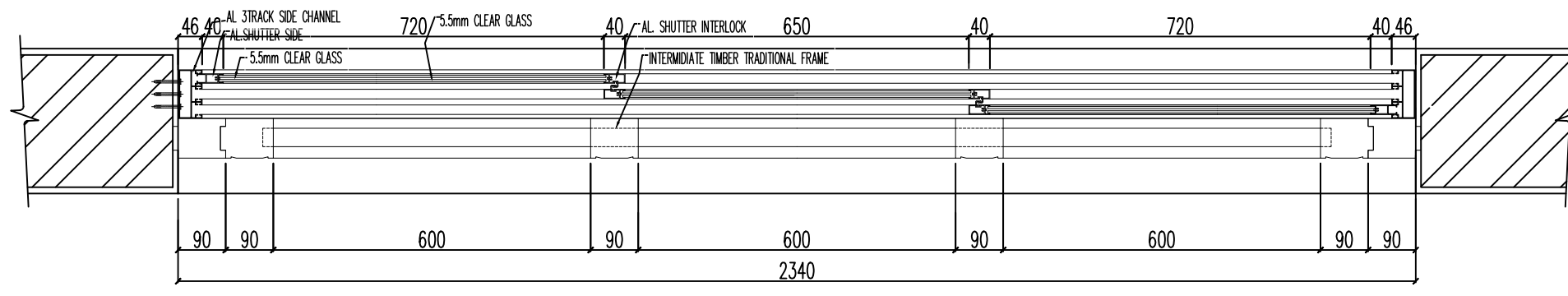
# SECTION 1-1

REV	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE : PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWN : 			APPROVED :		
(DORJI KINLEY) BE / MPE-CIVIL			DATE : FEBRUARY 2021		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-07			SCALE : AS STATED		
			REV. RO		




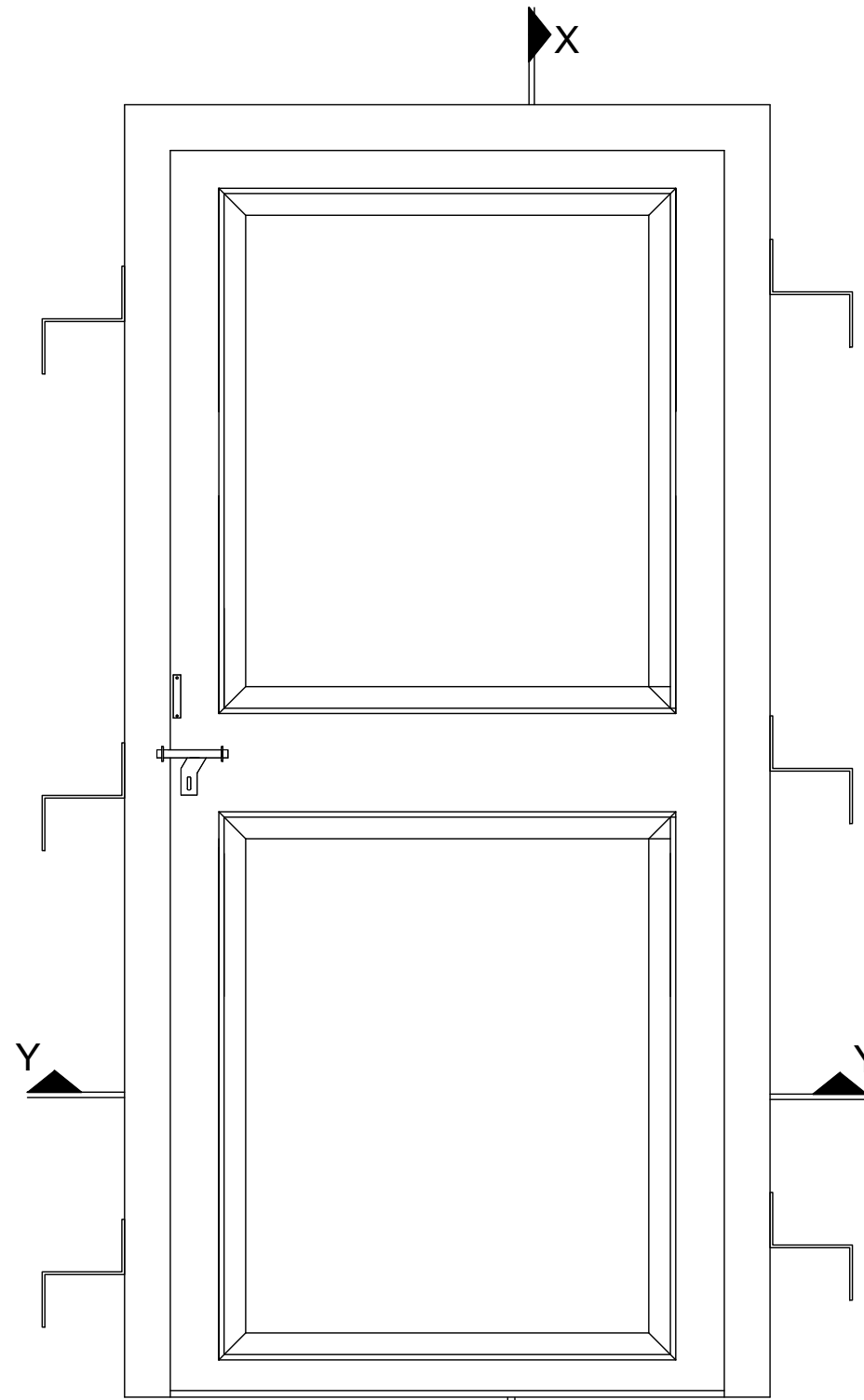


**SECTION Y-Y**

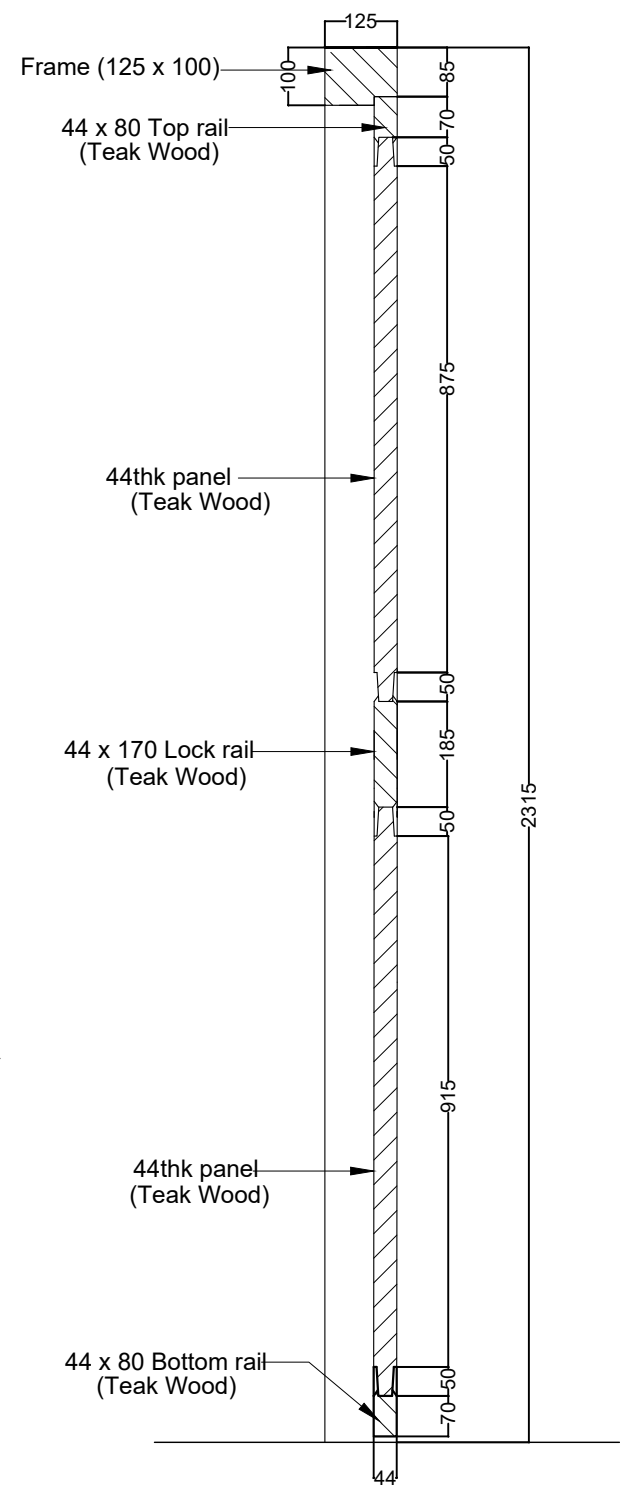


**SECTION X-X**

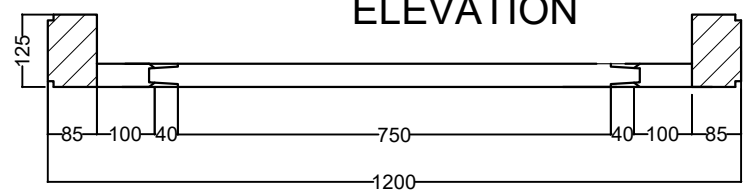
REV	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT: CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE: PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWING:			APPROVED:		
(SIGNED)			(SIGNED)		
DATE: FEBRUARY 2021			SCALE: AS STATED		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-08					REV. RO



ELEVATION




SECTION X-X




SECTION Y-Y  
PLAN  
D2(1200 x2315 mm)  
\*\* Same as CRB

REV.	DATE	DESCRIPTION	BY	CHKD.	APPRD.


**BHUTAN POWER CORPORATION LTD.**  
 TRANSMISSION CONSTRUCTION DEPARTMENT

PROJECT : CONSTRUCTION OF 66/33 kV SUBSTATION  
 AT JAMTSHOLING, SIPSOO

TITLE:  
 PUMP ARCHITECTURAL DRAWINGS


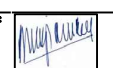
DESIGNED / DRAWN:	APPROVED:
(SOPH HALEY) BE / MPE-CIVIL	
DATE : FEBRUARY 2021	SCALE : AS STATED
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-09	REV. RO

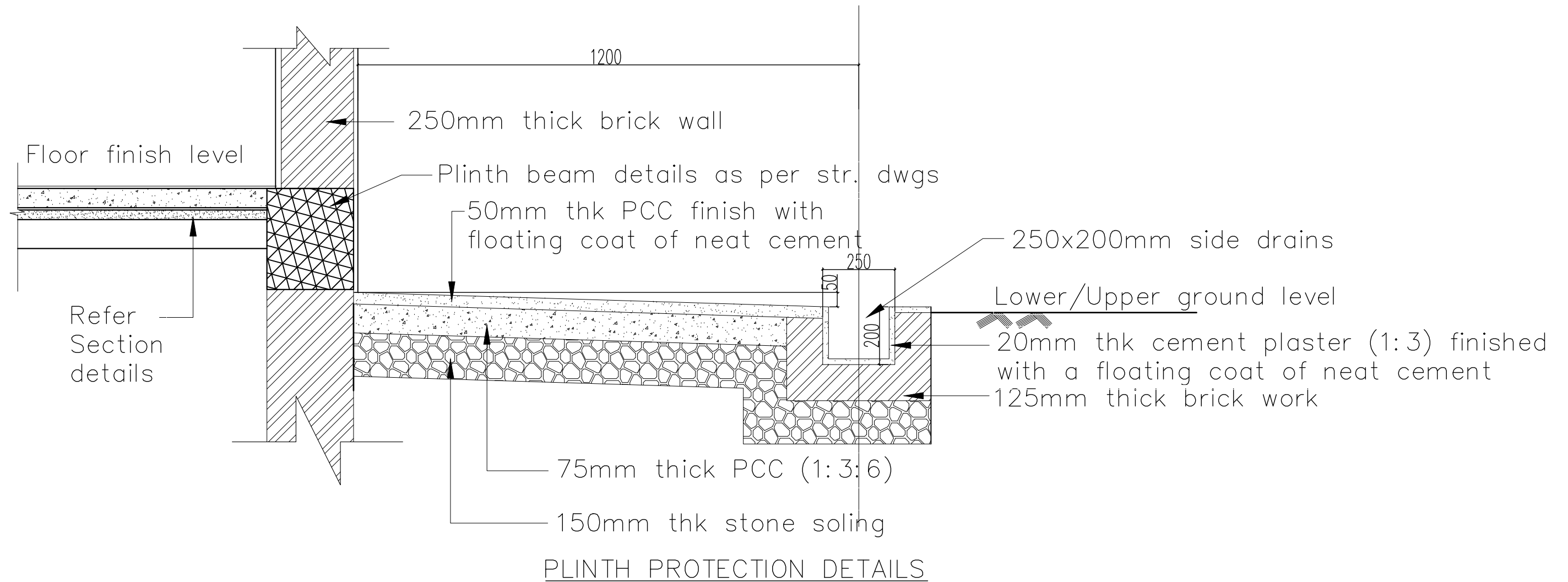
## Door and window schedule



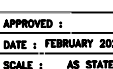
Sl.No	Items	Item No.	Description
01	W	4	Teak wood frame with Anodized aluminum framed ventilator windows
02	D2	1	Teak wood frame with teak shutter
03	RS	1	Steel rolling shutters, manually OP, 2/3rd Grilled, 1/3rd Shutter

### Notes:-

1. All steel door (RS) to be painted with 2 coats of synthetic paint over  $\frac{1}{2}$  coat of suitable primer
2. All glazing for ventilator windows, 5.5mm thick clear float glass
3. Aluminium Door/Windows natural anodised (15 micron)

REV	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT 'CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE: PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWN:			APPROVED :		
(DORJI KHILEY) BE / MPE-CIVIL			 DATE : FEBRUARY 2021		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-10			SCALE : AS STATED		
			REV. RO		



REV.	DATE	DESCRIPTION	BY	CHKD.	APPRD.
 <b>BHUTAN POWER CORPORATION LTD.</b> TRANSMISSION CONSTRUCTION DEPARTMENT					
PROJECT: CONSTRUCTION OF 66/33 kV SUBSTATION AT JAMTSHOLING, SIPSOO					
TITLE: PUMP ARCHITECTURAL DRAWINGS					
DESIGNED / DRAWN: 			APPROVED: 		
(DORJI KHILEY) BE / MPE-CIVIL			DATE: FEBRUARY 2021		
DWG. NO: BPC/TCD/TPO/12-01/DWG-C/PH-ARCH-11			SCALE: AS STATED		
			REV. RO		