

Government of Nepal

Ministry of Education, Science and Technology

Center For Education And Human Resources Development

Sanothimi, Bhaktapur

Type Design of School Building For Himalayan/Hilly Region

2 CLASSROOMS Wood Truss

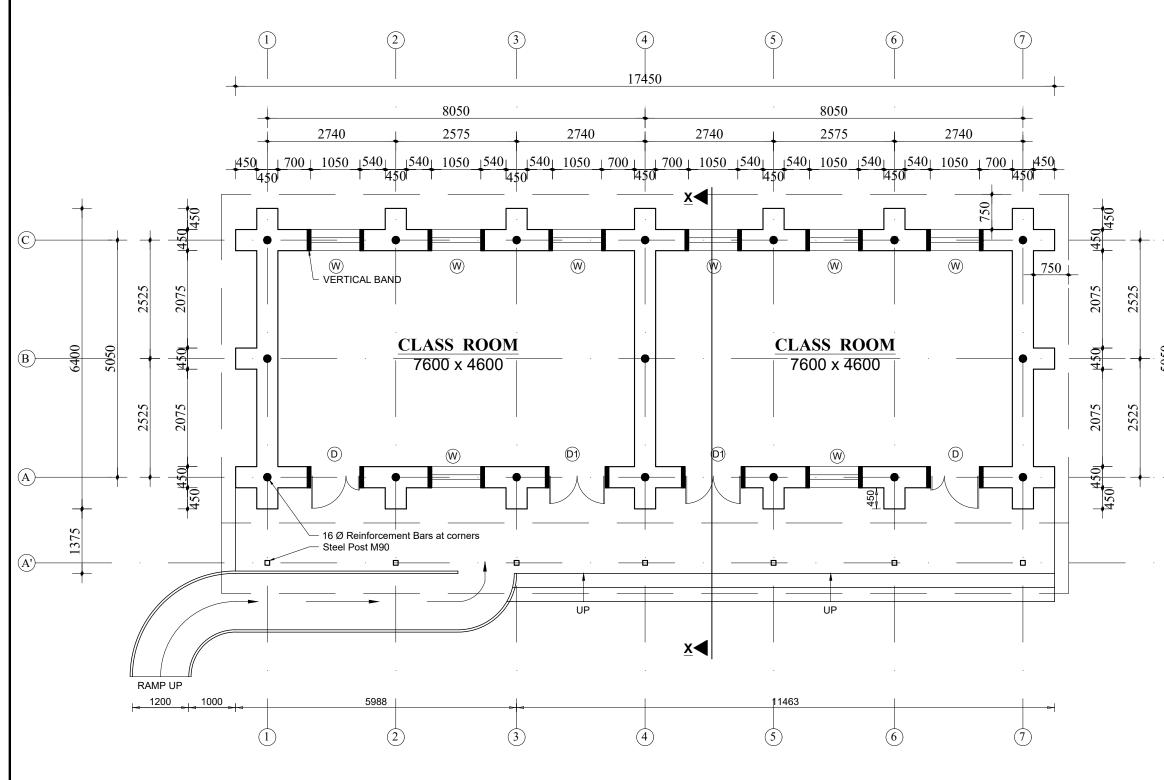
ARCHITECTURE

A1-GROUND FLOOR PLAN A2-ROOF PLAN **A3-ELEVATION A4- ELEVATION** A5- SECTION& SCHEDULE

STRUCTURE

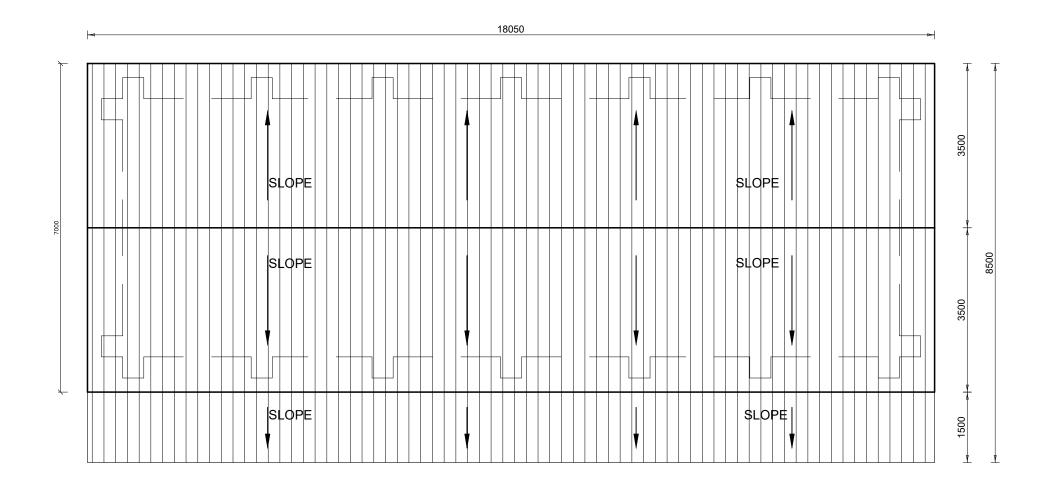
S1-GENERAL NOTES S2-TRENCH PLAN S3-FOOTING SECTION S4-TRUSS SECTION S5- TRUSS DETAIL

DATE -2022-04-03



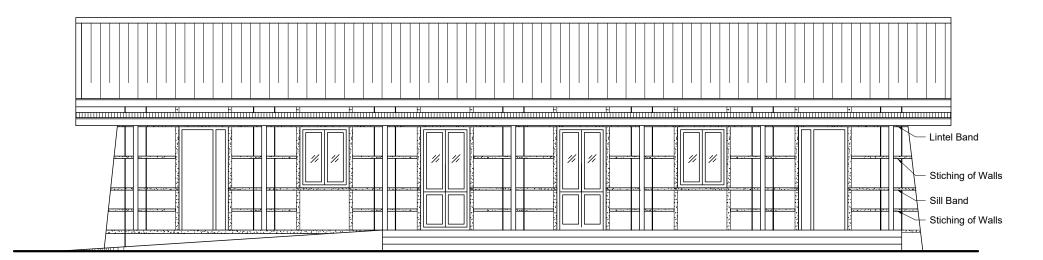
FLOOR PLAN

	Note:- I. ONLY WRITTEN BE FOLLOWED, DR BE MEASURED. 2. ANY DESCRIPE BE REPORTED TO -Center For and Human Development Bhaktapur	RAWINGS SHA NCY IF FOUN THE SITE EN OF Educa	LL NOT D SHALL GINEER. tion ces
¢ ¢ C			
050c 			
(A)			
- A	PROJECT:-		
	2 CLASSROOM - HIMALAYAN, Consultant	TYPE DESIGN (HILLY REGIC)N
	Architectural Draw -Center ForEduc Resources Deve Bhaktapur SHEET TITLE:- GROUND FLO	cation and H elopment,san	uman
	RECOMMENDED BY:- APPROVED BY:- PAPER SIZE-A3	Scale:- 1:100 Date:- 2078	SHEET.NO A-1 5

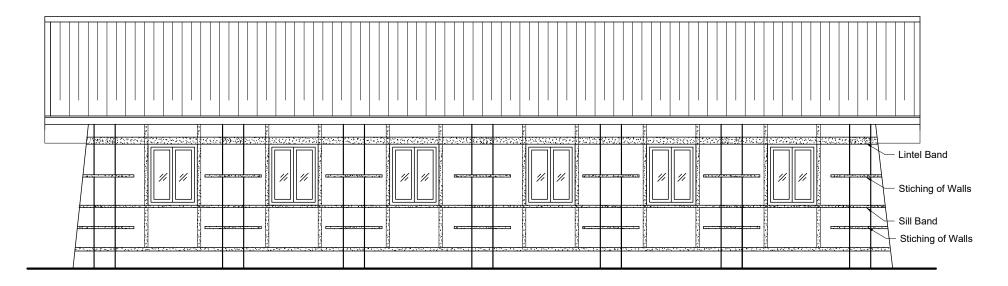


ROOF PLAN

	NOTE:- I. ONLY WRITTEN BE FOLLOWED, DF BE MEASURED. 2. ANY DESCRIPE BE REPORTED TO	RAWINGS SHA	LL NOT D SHALL
	-Center Fo and Humar Developmen Bhaktapur	n Resour	ces
-			
-	PROJECT:-		
	2 CLASSROOM	-TYPE DESIGN /HILLY REGIC	
	Consultant ALTIUS DE	SIGN PVT LTI)
	Architectural Drav -Center ForEdu Resources Dev Bhaktapur	cation and H	uman
-	Sheet Title:- ROOF PLAN		
	RECOMMENDED BY:-		0
-	APPROVED BY:-	SCALE- 1-100	SHEET.NO
	PAPER SIZE-A3	SCALE:- 1:100 DATE:- 2078	5

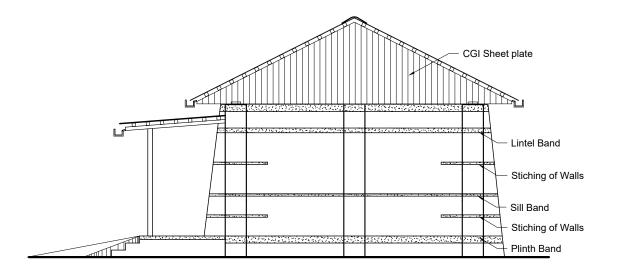


FRONT ELEVATION

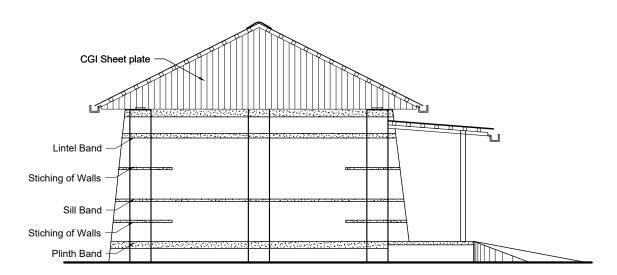


BACK ELEVATION

NOTE:- I. ONLY WRITTEN BE FOLLOWED, DI BE MEASURED. 2. ANY DESCRIPE BE REPORTED TO	RAWINGS SHA ENCY IF FOUN	LL NOT D SHALL
-Center Fo and Humar Developmen Bhaktapur	n Resour	ces
PROJECT:- 2 CLASSROOM HIMALAYAN	-TYPE DESIGN /HILLY REGIC	
Consultant ALTIUS DE	SIGN PVT LTI)
Architectural Drai -Center ForEdu Resources Dev Bhaktapur	cation and H	uman
SHEET TITLE:- ELEVATION		
Recommended By:-		
Approved By:-		SHEET.NO A-3
PAPER SIZE-A3	SCALE:- 1:100 DATE:- 2078	5

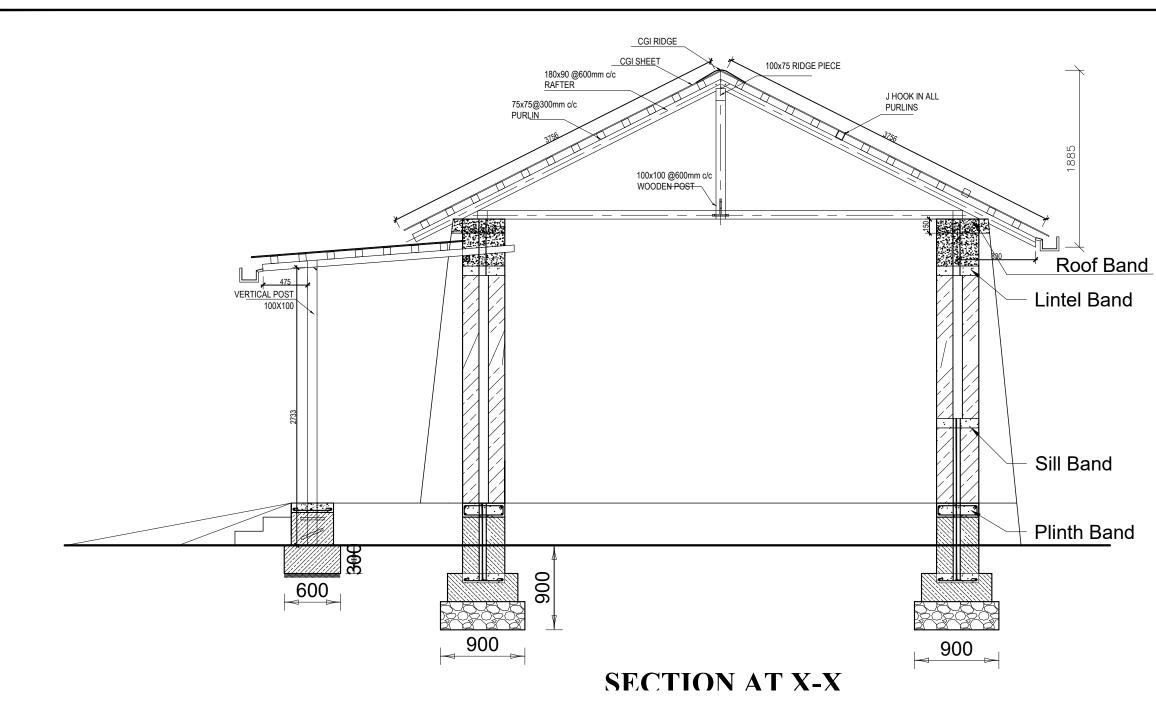


RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION

NOTE:- I. ONLY WRITTEN BE FOLLOWED, DI BE MEASURED. 2. ANY DESCRIPE BE REPORTED TO	RAWINGS SHA ENCY IF FOUN	LL NOT D SHALL
-Center Fo and Humar Developmen Bhaktapur	n Resourd	ces
Project:-		
2 CLASSROOM HIMALAYAN	-TYPE DESIGN /HILLY REGIC	
Consultant ALTIUS DE	SIGN PVT LTI)
Architectural Draw -Center ForEdu Resources Dev Bhaktapur	cation and H	uman
SHEET TITLE:- ELEVATION	١	
RECOMMENDED BY:-		
Approved By:-	Scale: 1.100	SHEET.NO
PAPER SIZE-A3	SCALE:- 1:100 DATE:- 2078	5



OPENING SHEDULE

NO.	DESCRIPTION	SYMBOL	SIZE	NOS.
١.	DOOR	D	1050 X 2200	2
2.	DOOR	DI	1200 X 2200	2
3.	WINDOW	W	1050 X 1300	8

Note:- I. ONLY WRITTEN BE FOLLOWED, DF BE MEASURED. 2. ANY DESCRIPE BE REPORTED TO -Center For and Humar Developmen Bhaktapur	RAWINGS SHA ENCY IF FOUN THE SITE EN DON Educa	LL NOT D SHALL GINEER. tion
PROJECT:- 2 CLASSROOM -	TYPE DESIGN	N FOR
HIMALAYAN	/HILLY REGIC	N
ALTIUS DESIGN PVT LTD		
ARCHITECTURAL DRAWINGS PROVIDED BY:- -Center ForEducation and Human Resources Development,sanothimi, Bhaktapur		
SHEET TITLE:- SECTION & OPENING SCHEDULE		
RECOMMENDED BY:-		
APPROVED BY:-		SHEET.NO A-5
PAPER SIZE-A3	Scale:- 1:100 Date:- 2078	5

GENERAL NOTES: 1.DO NOT SCALE FROM THE DRAWINGS

2.STRUCTURAL DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICES DRAWINGS.

3.UNLESS SPECIFIED OTHERWISE, ALL LEVELS SHOWN IN STRUCTURAL DRAWINGS ARE STRUCTURAL LEVELS ONLY.

4.DO NOT SCALE FOLLOW WRITTEN DIMENSION ONLY.

5.ALL DIMENSION & LEVEL ARE IN FEET INCHES UNLESS NOTED OTHERWISE. ALL DIMENSION TO BE VERIFIED ON SITE & APPROVED BY THE ENGINEER.

6.GRADE OF CONCRETE MIX SHALL BE M-20 FOR COLUMNS. M-20 FOR FOOTING, WALLS \MBEAMS, SLABS ETC. UNLESS NOTED OTHERWISE CONFORMING TO NBC 205:2020& IS:456-2000.

7.REINFORCEMENT SHALL BE HIGH STRENGTH DEFORMED BARS OF GRADE Fe:500 CONFORMING TO NBC 2005:2012.

8.CLEAR COVER TO BARS a.FOR CONCRETE MEMBERS IN CONTACT WITH SOIL = 50 MM b.FOR LONGITUDINAL (VERTICAL) BARS IN COLUMN = 40 MM c.FOR MAIN BARS IN BEAMS = 25 MM d.FOR OUTER BARS IN SLAB = 15 MM/25 MM FOR FREE END.

9.BARS IN COLUMNS SHALL BE SPLICED ONLY AT MID HEIGHT OF COLUMN.

10.BARS SPLICED IN BEAM SHALL BE AVOIDED IN THE SPAN WHERE INTERMEDIATE BEAM IS CONNECTED AND SHALL BE ONLY AS SHOWN ON DRAWING.

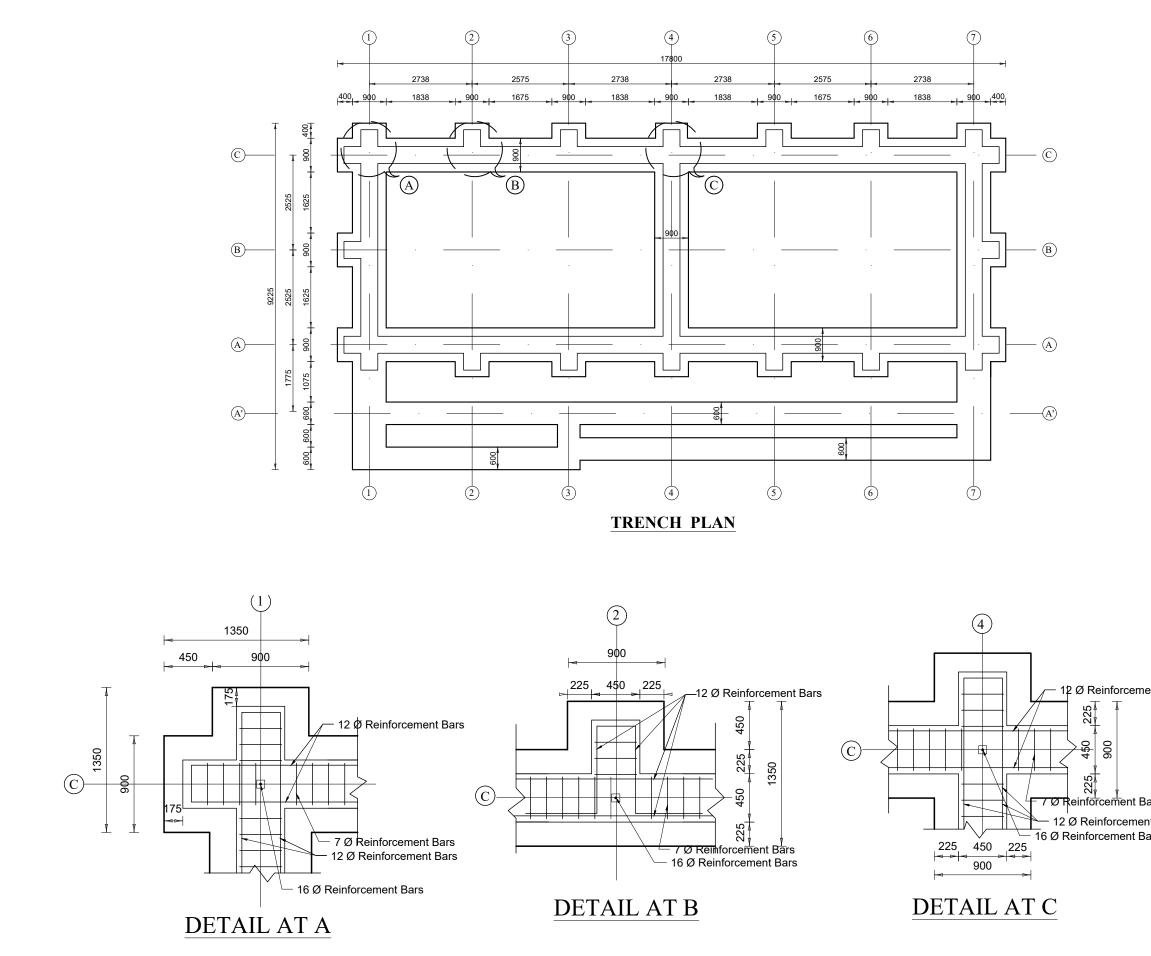
11.DEVELOPMENT / LAP LENGTH (Ld.) FOR BARS-60xØ

12.TEMP./ DISTRIBUTION REINFORCEMENT FOR SLAB - TMT 80 @ 200 C/C

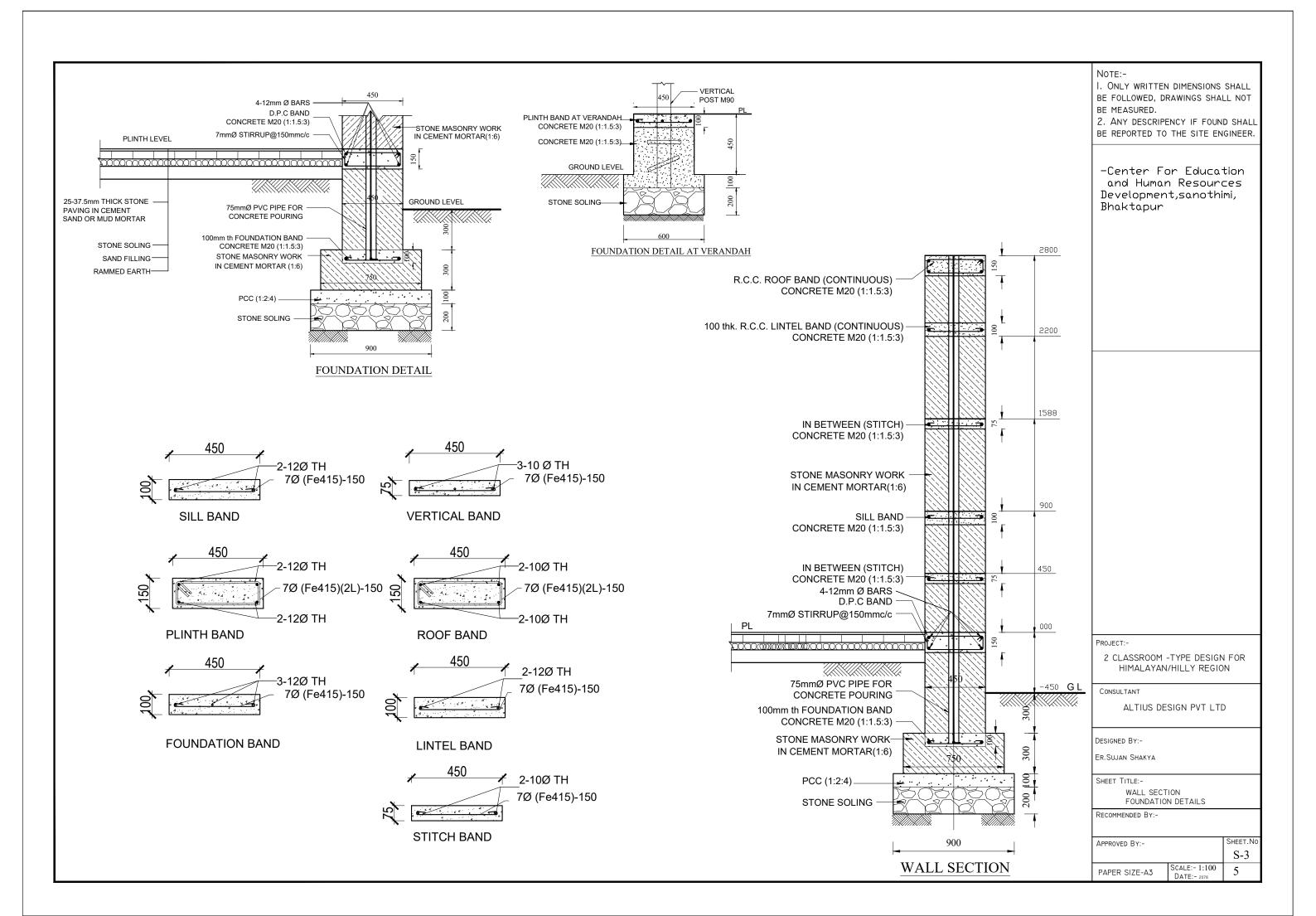
13.CLEAR VERTICAL DISTANCE BETWEEN TWO ROWS (LAYERS) OF BARS =25 mm

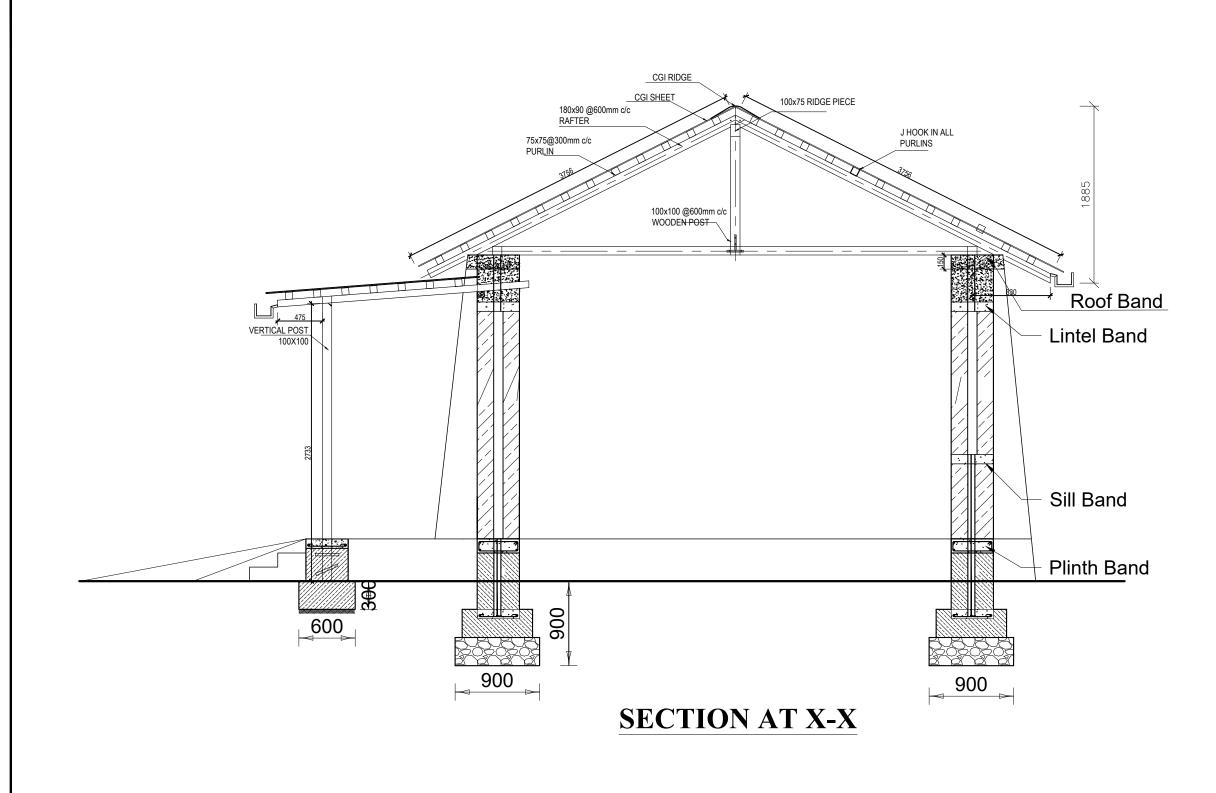
14.PROVIDE SHEAR REINFORCEMENT AT 4" C/C AT LAP LOCATIONS.
15.H=CLEAR SPAN OF FLOOR.
16.h=H/6 OR 450mm WHICHEVER IS GREATER.
17.Z= DEPTH OF BEAM.
18.ANY DISCREPANCY NOTED BETWEEN DETAILS IN THE DRAWINGS/
SPECIFICATIONS, THE MATTER SHALL BE BROUGHT TO THE NOTICE OF
CONCERNED ENGINEER PRIOR TO CONSTRUCTION AND GOT RECONCILED
BEFORE EXECUTION.

BE REPORTED TO THE SITE ENGINEER. -Center For Education and Human Resources Development,sanothimi, Bhaktapur PROJECT:- 2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD Designed BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- PAPER SIZE-A3 SCALE:- 1:100 DATE:- 2000 SHEET.NO S-1	NOTE:- I. ONLY WRITTEN BE FOLLOWED, DF BE MEASURED. 2. ANY DESCRIPE	RAWINGS SHA ENCY IF FOUN	LL NOT D SHALL
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 S	-Center Fo and Humar Developmen	or Educa n Resourd	tion ces
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 S			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 S			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 S			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 S			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 S			
ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:-1:100 S	2 CLASSROOM		
ER.SUJAN SHAKYA SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 5		SIGN PVT LTI)
SHEET TITLE:- GENERAL NOTES RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:- 1:100 S		148.44	
RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-1 PAPER SIZE-A3 SCALE:-1:100 5	SHEET TITLE:-		
S-1 PAPED SIZE-A3 SCALE:- 1:100 5		VILO	
PAPER SIZE-A3 SCALE:- 1:100 5	APPROVED BY:-		
	PAPER SIZE-A3		

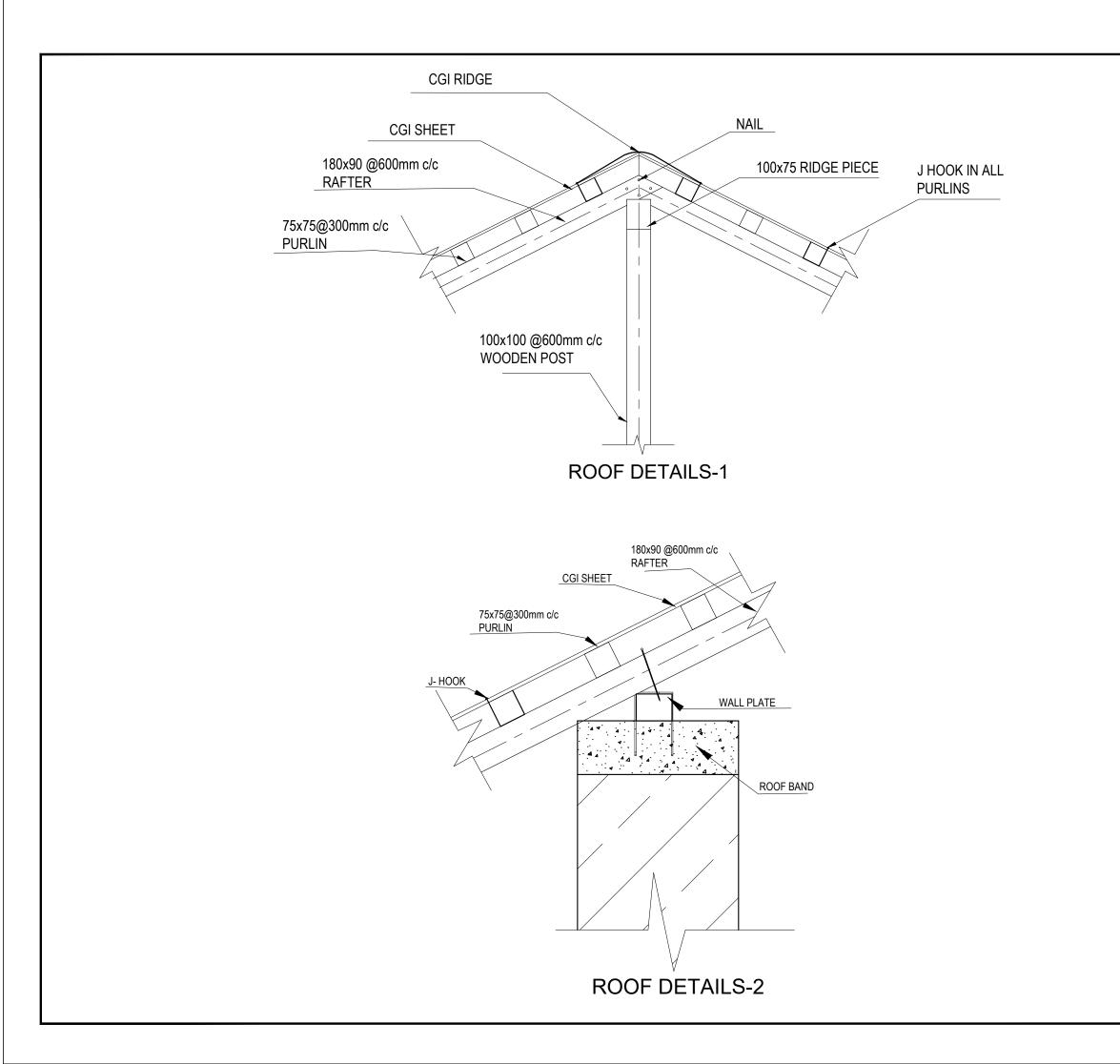


	Note:- I. Only written dimensions Be followed, drawings shai Be measured. 2. Any descripency if foun Be reported to the site en	LL NOT D SHALL
	-Center For Educa and Human Resourd Development,sanothi Bhaktapur	es
ent Bars	PROJECT:- 2 CLASSROOM -TYPE DESIGN HIMALAYAN/HILLY REGIO	
	Consultant	
	ALTIUS DESIGN PVT LT)
ars It Bars	Designed By:- Er.Sujan Shakya	
ars	Sheet Title:-	
	TRENCH PLAN	
	RECOMMENDED BY:-	
	APPROVED BY:-	SHEET.NO
	PAPER SIZE-A3 SCALE:- 1:100	S-2 5
	DATE:- 2078	5





Note:- I. Only written dimensions shal BE Followed, drawings shall no BE measured. 2. Any descripency if found sha BE REPORTED TO THE SITE ENGINES -Center For Education and Human Resources Development, sanothimi, Bhaktapur	DT ALL ER.
PROJECT:- 2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION	2
Consultant ALTIUS DESIGN PVT LTD	
Designed By:- Er.Sujan Shakya	
SHEET TITLE:- WOOD TRUSS SECTION	
RECOMMENDED BY:-	
APPROVED BY:- SHEE	
PAPER SIZE-A3 SCALE:- 1:100 DATE:- 2078 5	



NOTE:- I. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED. 2. ANY DESCRIPENCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEERCenter For Education and Human Resources Development,sanothimi, Bhaktapur PROJECT:- 2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHARYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:: 1:100 S			
And Human Resources Development, sanothimi, Bhaktapur	 ONLY WRITTEN BE FOLLOWED, DI BE MEASURED. ANY DESCRIPT 	RAWINGS SHA ENCY IF FOUN	LL NOT D SHALL
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5	and Humar Developmen	n Resour	:es
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5			
2 CLASSROOM -TYPE DESIGN FOR HIMALAYAN/HILLY REGION CONSULTANT ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5			
ALTIUS DESIGN PVT LTD DESIGNED BY:- ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:-1:100 S	2 CLASSROOM		
ER.SUJAN SHAKYA SHEET TITLE:- ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE-A3 SCALE:- 1:100 5		SIGN PVT LTI)
ROOF DETAILS RECOMMENDED BY:- APPROVED BY:- SHEET.NO S-5 PAPER SIZE_A3 SCALE:- 1:100 5			
APPROVED BY:- SHEET.NO S-5 PAPER SIZE_A3 SCALE:- 1:100 5		ILS	
S-5 PAPED SIZE-A3 SCALE:- 1:100 5	RECOMMENDED BY:-		
PAPER SIZE-A3 SCALE:- 1:100 5	APPROVED BY:-		
	PAPER SIZE-A3		