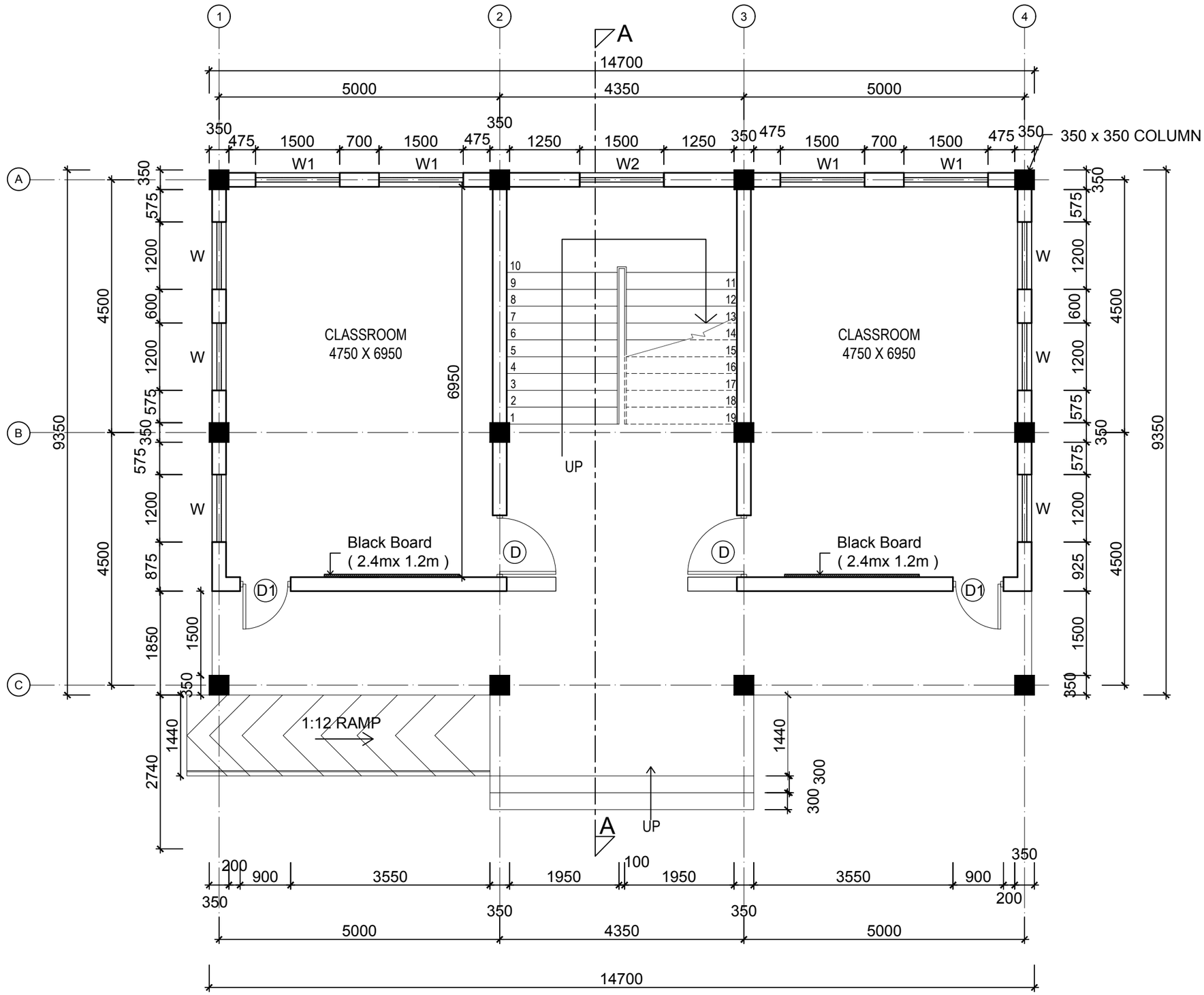
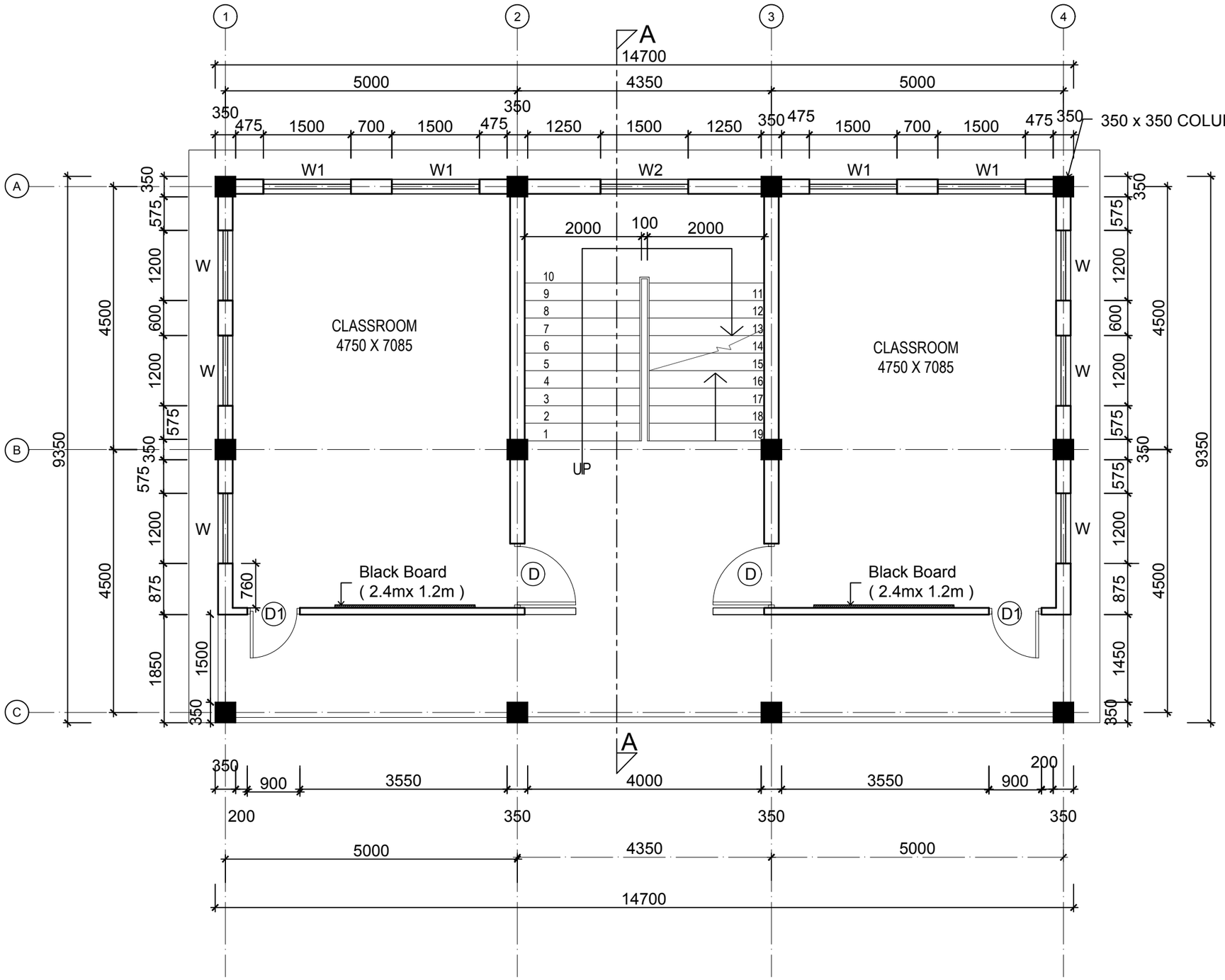


GROUND FLOOR PLAN

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

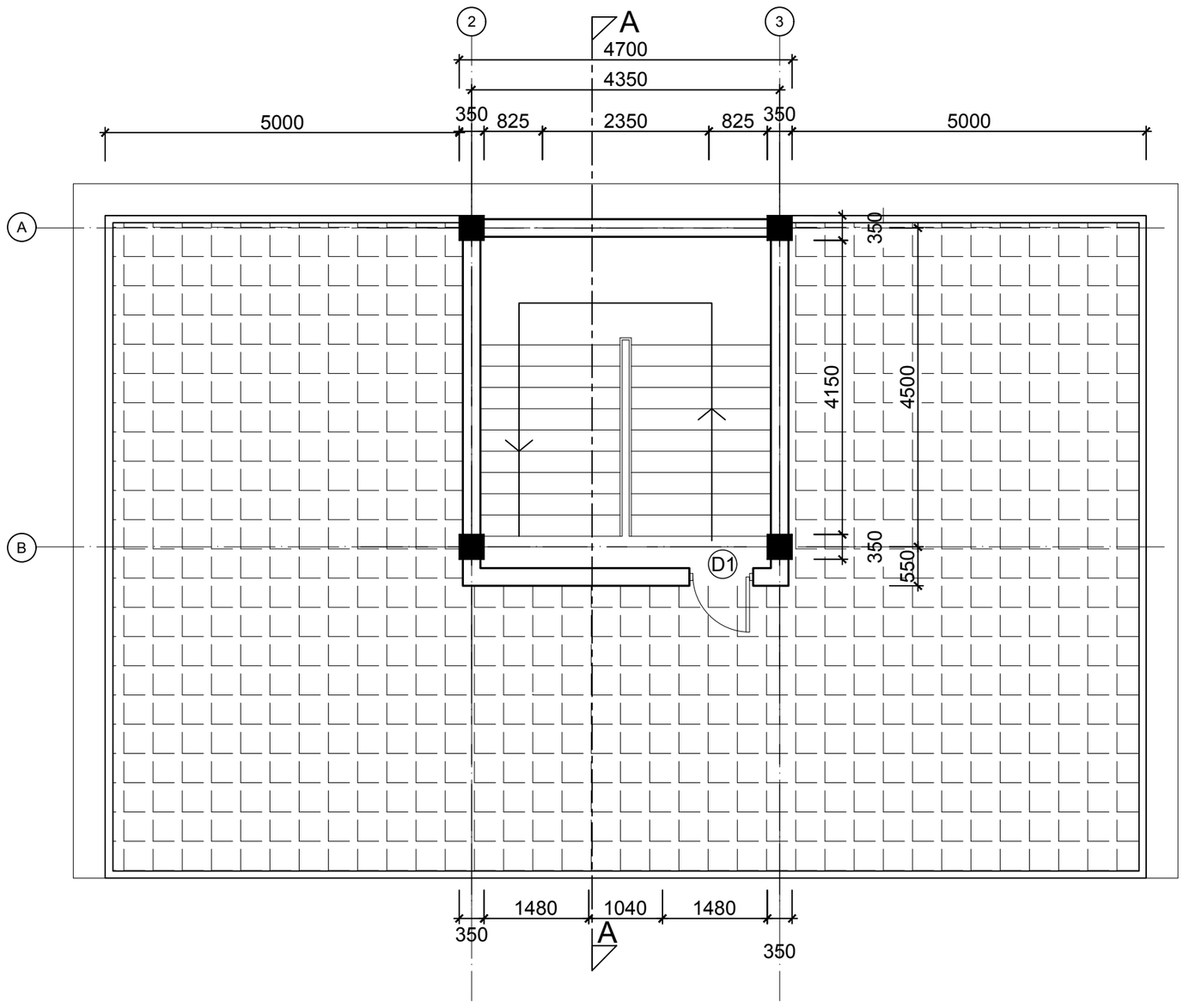
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : GROUND FLOOR PLAN	Date :	Sheet No: 1
			Scale : 1:75	
			Designed by :	
			Checked by :	
			Approved by :	



FIRST FLOOR PLAN

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

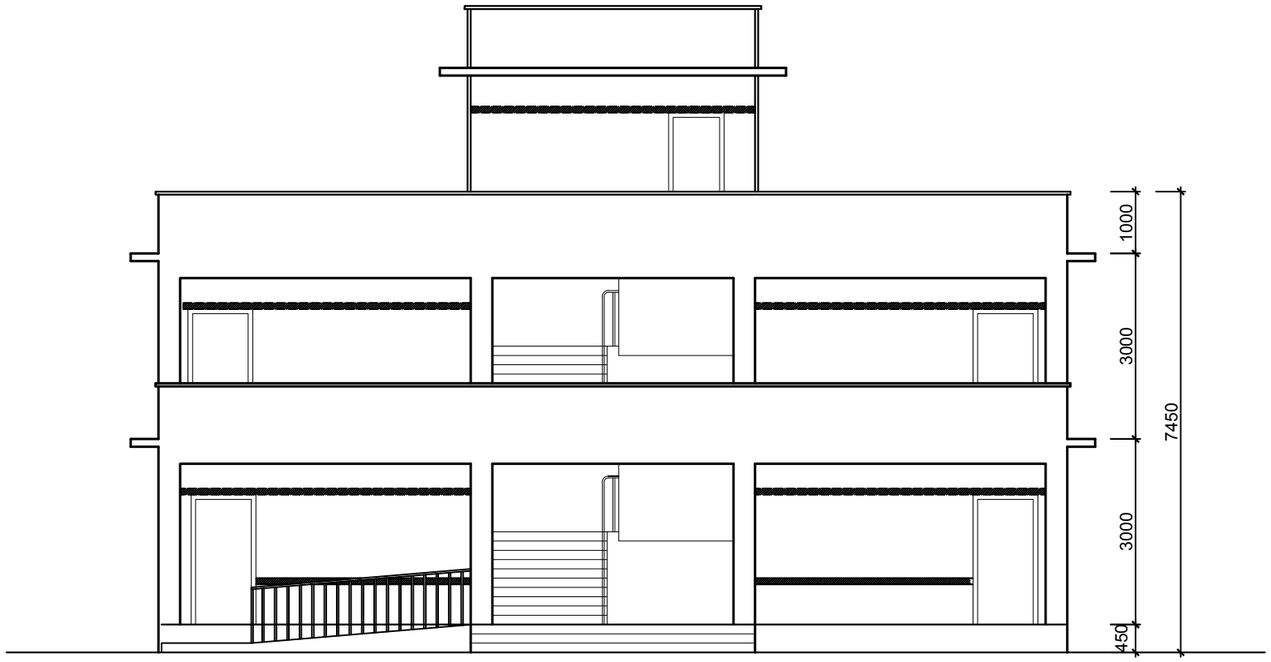
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : FIRST FLOOR PLAN	Date : Scale : 1:75 Designed by : Checked by : Approved by :	Sheet No: 2



TOP FLOOR PLAN

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : ROOF PLAN	Date : Scale : 1:75 Designed by : Checked by : Approved by :	Sheet No: 3



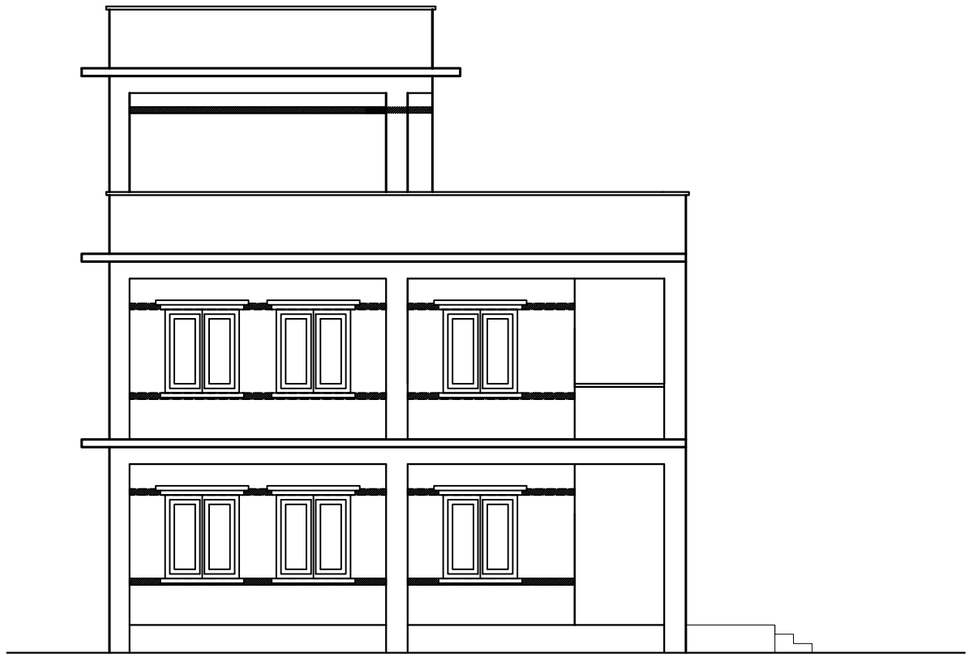
FRONT ELEVATION

BACK ELEVATION

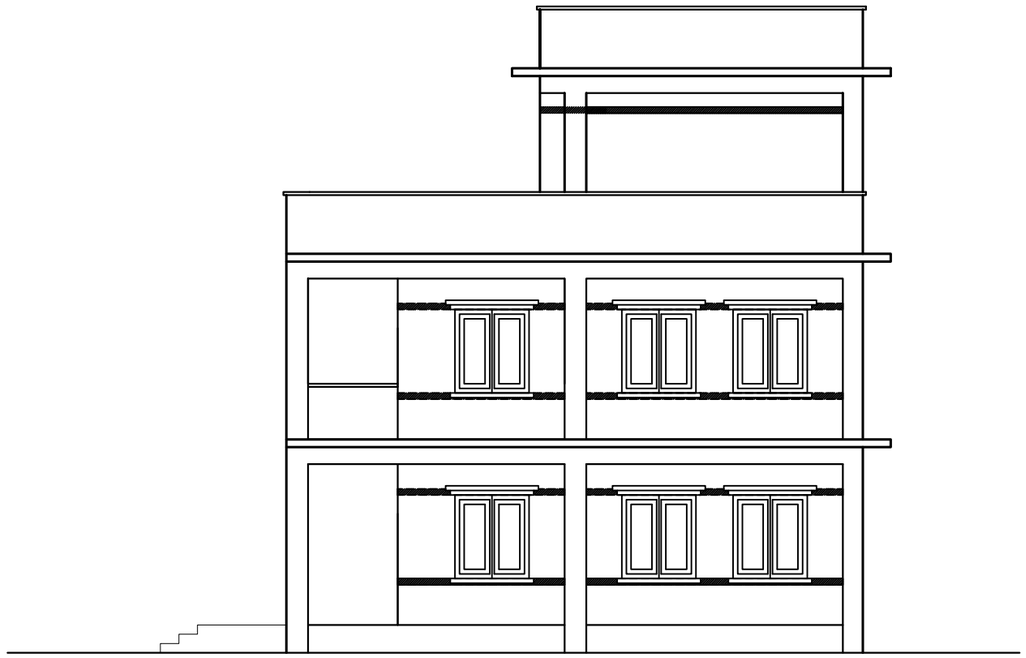
Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit (CLPIU)
Gyaneshwor, Kathmandu

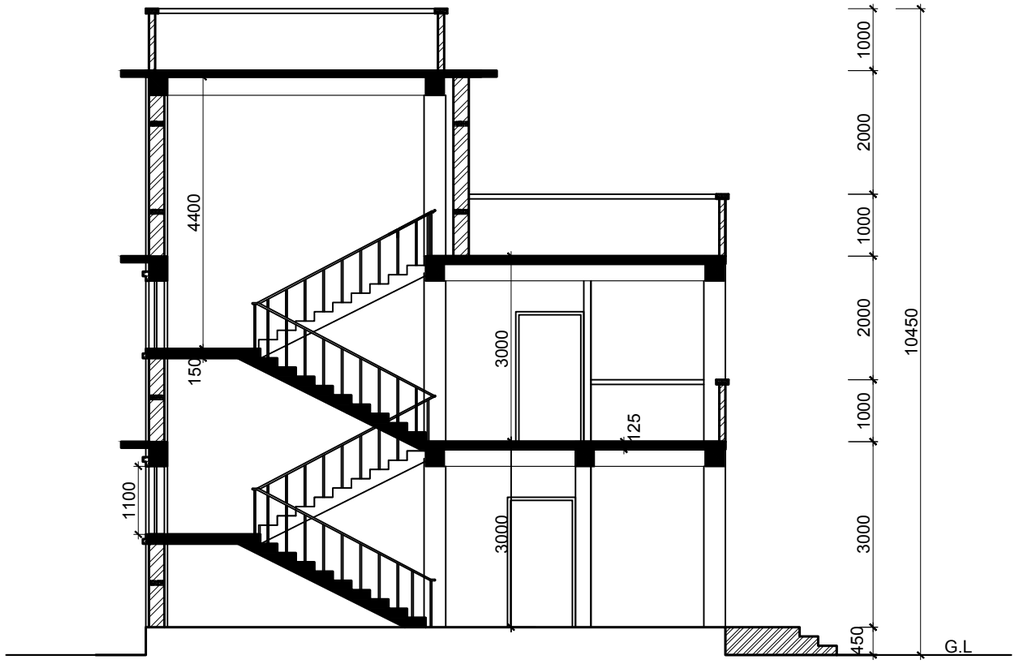
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : ELEVATIONS	Date :	Sheet No: 4
			Scale : 1:100	
			Designed by :	
			Checked by :	
			Approved by :	



LEFT SIDE ELEVATION



RIGHT SIDE ELEVATION

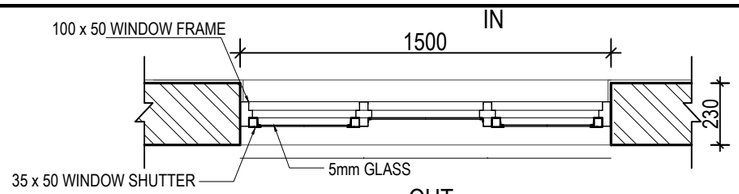


SECTION AT A-A

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

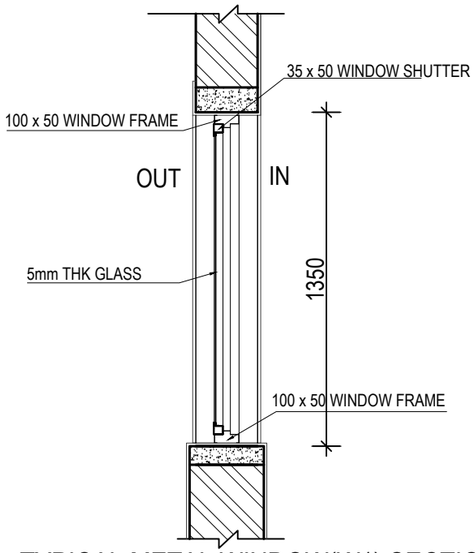
Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : ELEVATIONS AND SECTION	Date :		Sheet No: 5
		Scale : 1:100		
			Designed by :	
			Checked by :	
			Approved by :	



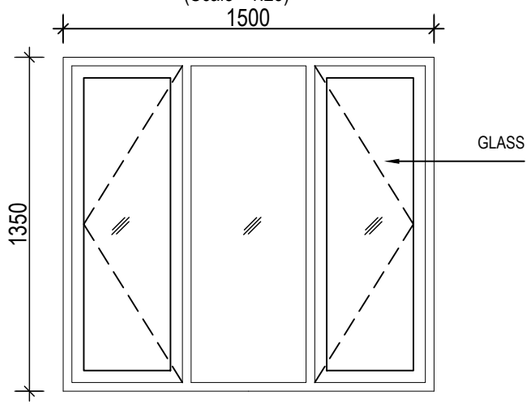
TYPICAL WINDOW(W1) SECTIONAL PLAN

(Scale= 1:25)



TYPICAL METAL WINDOW(W1) SECTION

(Scale= 1:25)

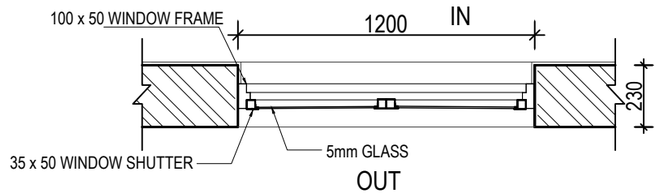


WINDOW-W1

(Scale= 1:25)

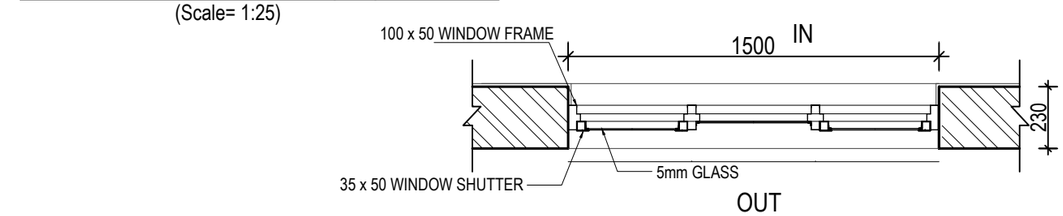
DOORS & WINDOWS SCHEDULE:

S.N.	SYMBOL	SIZES	G.F.	F.F.	S.F.	TOTAL
1.	W	1200 x 1350	6	6	-	12
2.	W1	1500 x 1350	4	4	-	8
3.	W2	1500 x 1100	1	1	-	2
4.	D	1100 x 2100	2	2	-	4
5.	D1	900 x 2100	2	2	1	5
TOTAL			15	15	1	31



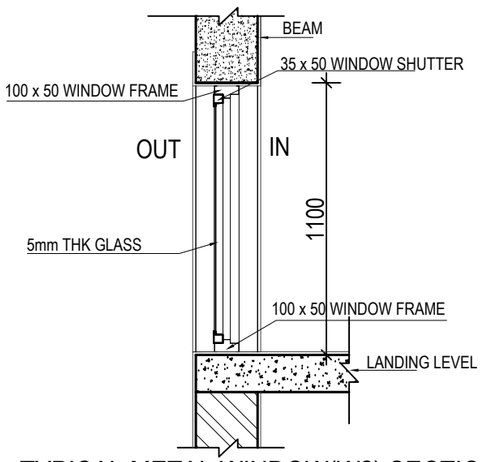
TYPICAL WINDOW(W) SECTIONAL PLAN

(Scale= 1:25)



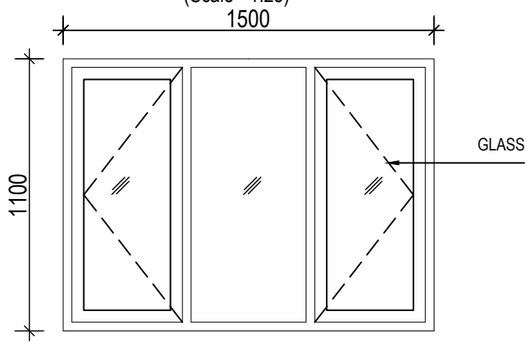
TYPICAL WINDOW(W2) SECTIONAL PLAN

(Scale= 1:25)



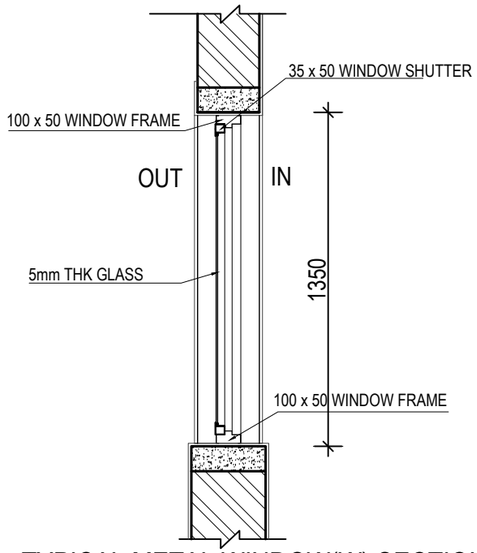
TYPICAL METAL WINDOW(W2) SECTION

(Scale= 1:25)



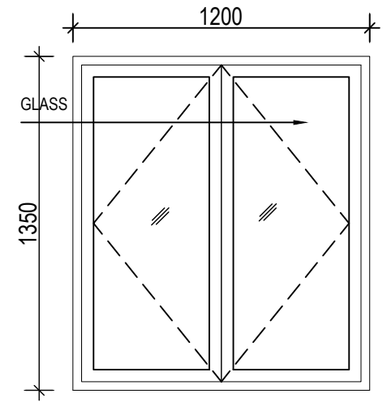
WINDOW-W2

(Scale= 1:25)



TYPICAL METAL WINDOW(W) SECTION

(Scale= 1:25)

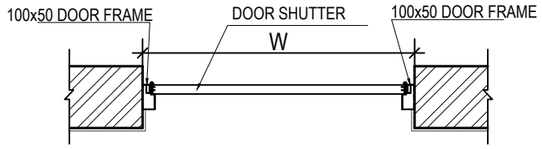


WINDOW-W

(Scale= 1:25)

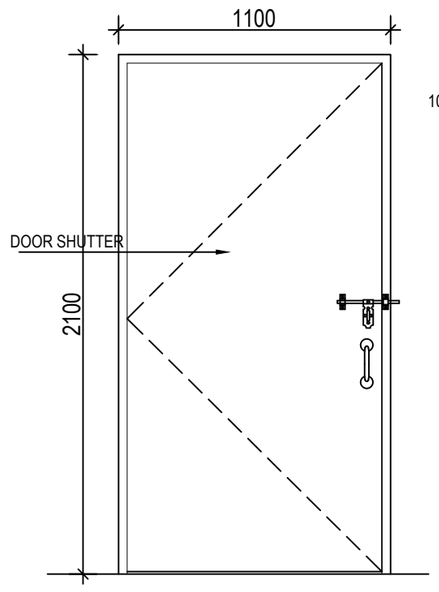
Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : DOOR & WINDOW DETAILS	Date :	Sheet No: 6
			Scale : 1:25	
			Designed by :	
			Checked by :	
			Approved by :	



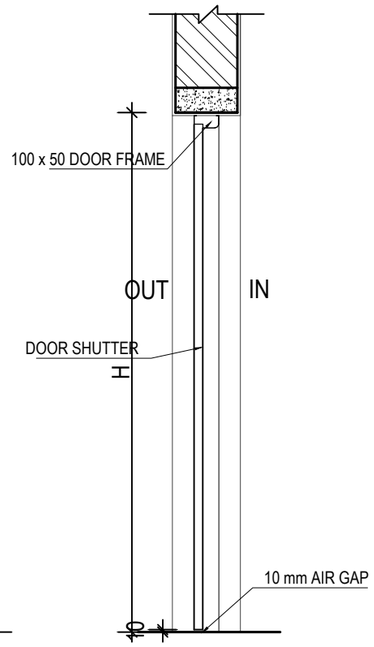
TYPICAL METAL DOOR SECTIONAL PLAN

(Scale= 1:25)



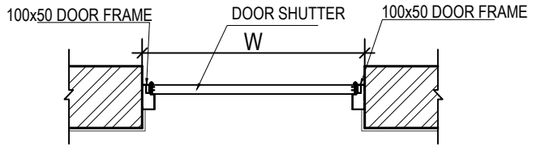
DOOR-D

(Scale= 1:25)



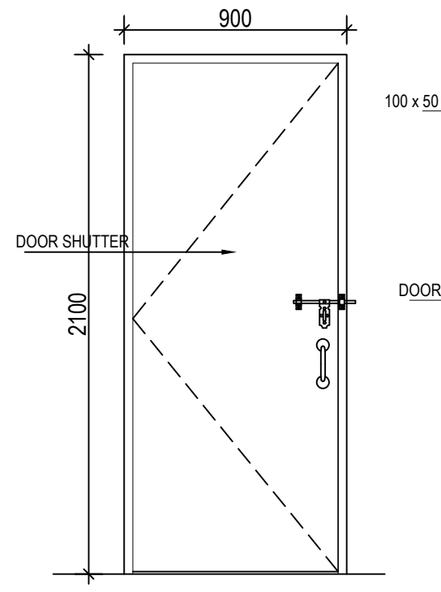
TYPICAL METAL DOOR SECTIONAL ELEVATION

(Scale= 1:25)



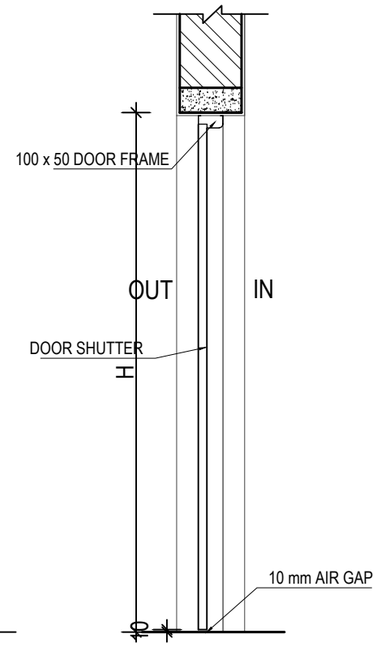
TYPICAL METAL DOOR SECTIONAL PLAN

(Scale= 1:25)



DOOR-D1

(Scale= 1:25)

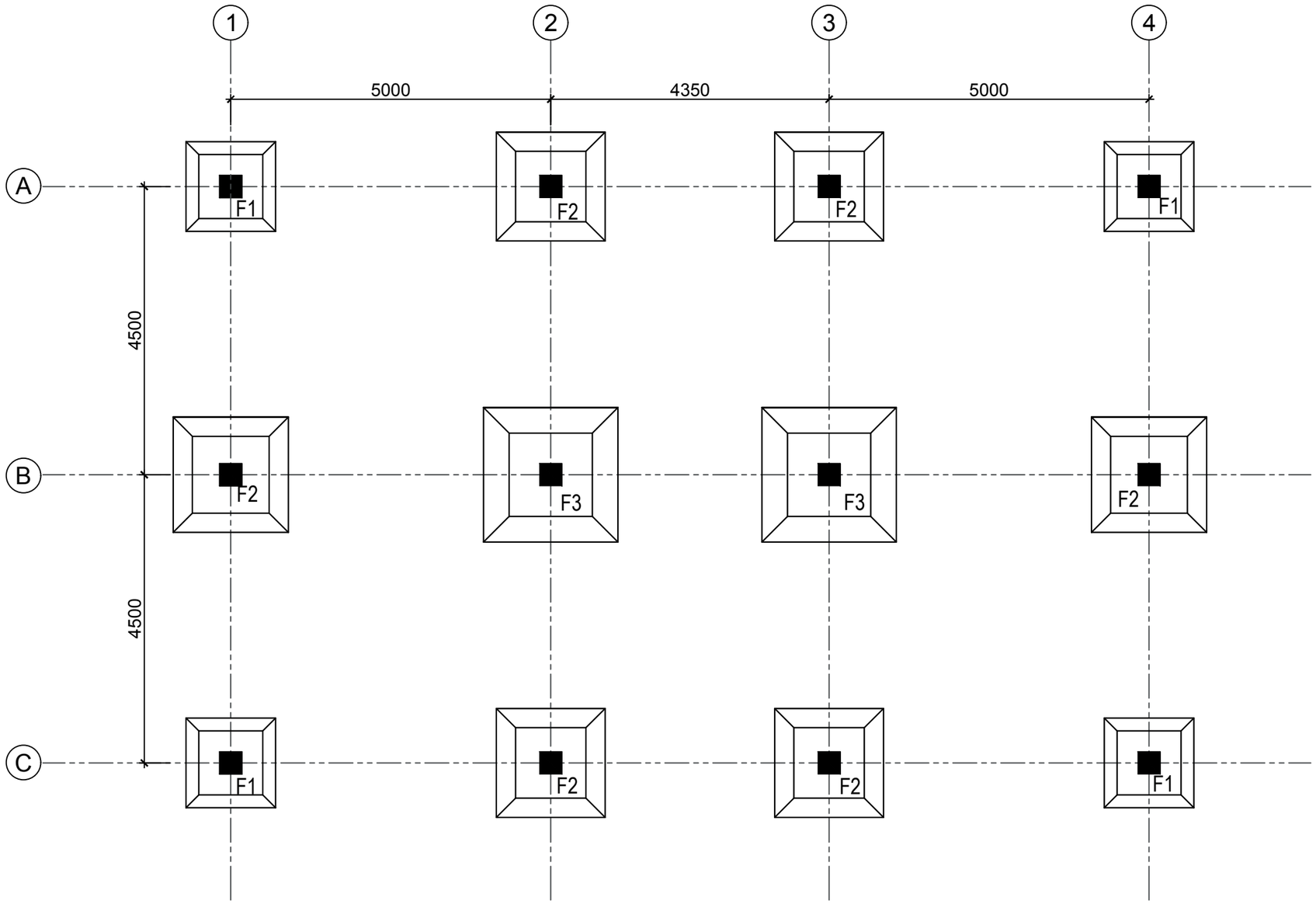


TYPICAL METAL DOOR SECTIONAL ELEVATION

(Scale= 1:25)

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

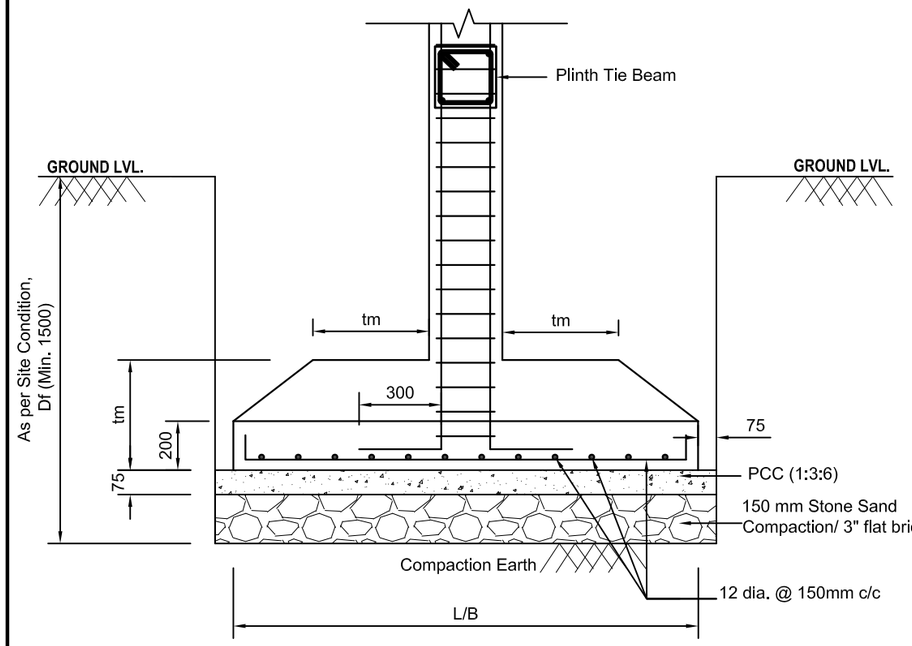
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : DOOR & WINDOW DETAILS	Date :	Sheet No: 7
			Scale : 1:25	
			Designed by :	
			Checked by :	
			Approved by :	



FOUNDATION PLAN

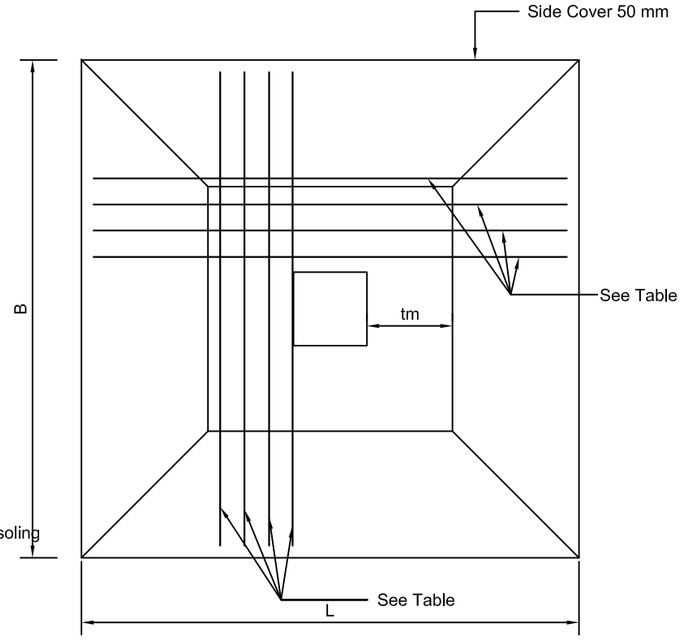
Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : FOUNDATION PLAN	Date :		Sheet No: 8
			Scale : 1:75		
				Designed by :	
				Checked by :	
				Approved by :	

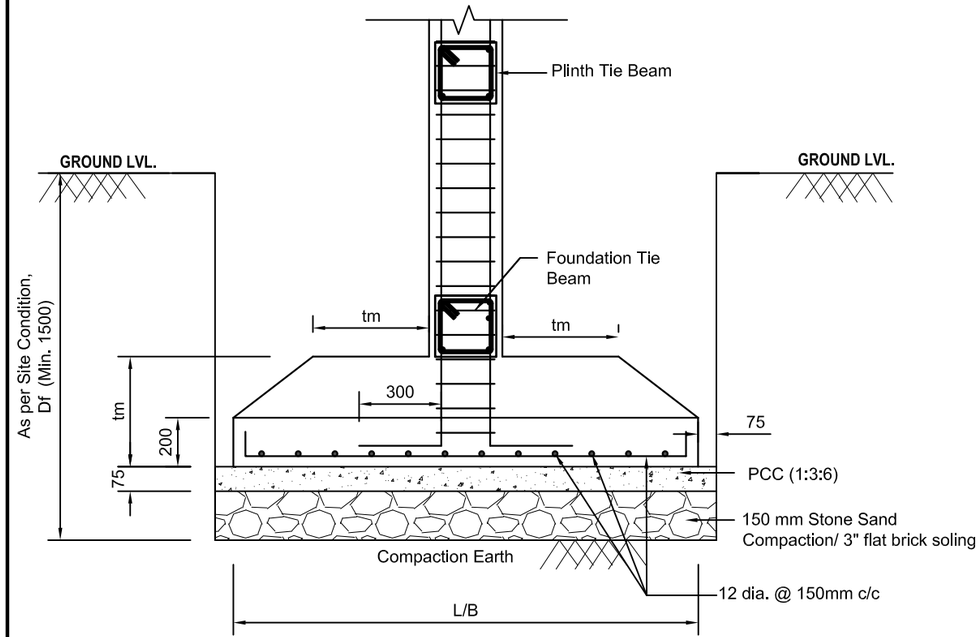


FOOTING SECTION WITH PLINTH BEAM

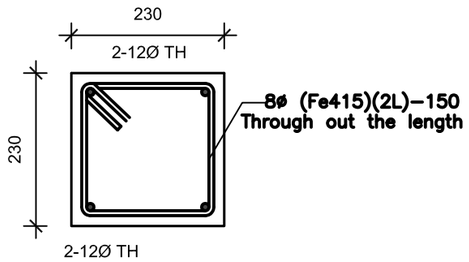
For Hard and Medium soil



FOOTING PLAN



FOOTING SECTION WITH PLINTH BEAM AND FOUNDATION BEAM



PLINTH AND FOUNDATION TIE BEAM

PAD FOUNDATION SIZE FOR WEAK SOIL
(Safe bearing capacity = 50 KN/m2)

Column Type	Foundation Plan LXB (mm)	Max Thickness	Reinforcement and Spacing	Recommended Minimum foundation depth, Df(mm)
Corner (F1)	2000X2000	300	12 dia@150mm c/c	1500
Face(F2)	2800X2800	400	12 dia@150mm c/c	1500
Inner(F3)	3300X3300	475	12 dia@150mm c/c	1500

PAD FOUNDATION SIZE FOR SOFT SOIL
(Safe bearing capacity = 100 KN/m2)

Column Type	Foundation Plan LXB (mm)	Max Thickness	Reinforcement and Spacing	Recommended Minimum foundation depth, Df(mm)
Corner (F1)	1500X1500	275	12 dia@150mm c/c	1500
Face(F2)	2000X2000	375	12 dia@150mm c/c	1500
Inner(F3)	2325X2325	450	12 dia@150mm c/c	1500

PAD FOUNDATION SIZE FOR MEDIUM SOIL
(Safe bearing capacity = 150 KN/m2)

Column Type	Foundation Plan LXB (mm)	Max Thickness	Reinforcement and Spacing	Recommended Minimum foundation depth, Df(mm)
Corner (F1)	1200X1200	250	12 dia@150mm c/c	1500
Face(F2)	1600X1600	375	12 dia@150mm c/c	1500
Inner(F3)	1900X1900	425	12 dia@150mm c/c	1500

PAD FOUNDATION SIZE FOR HARD SOIL
(Safe bearing capacity = 200 KN/m2)

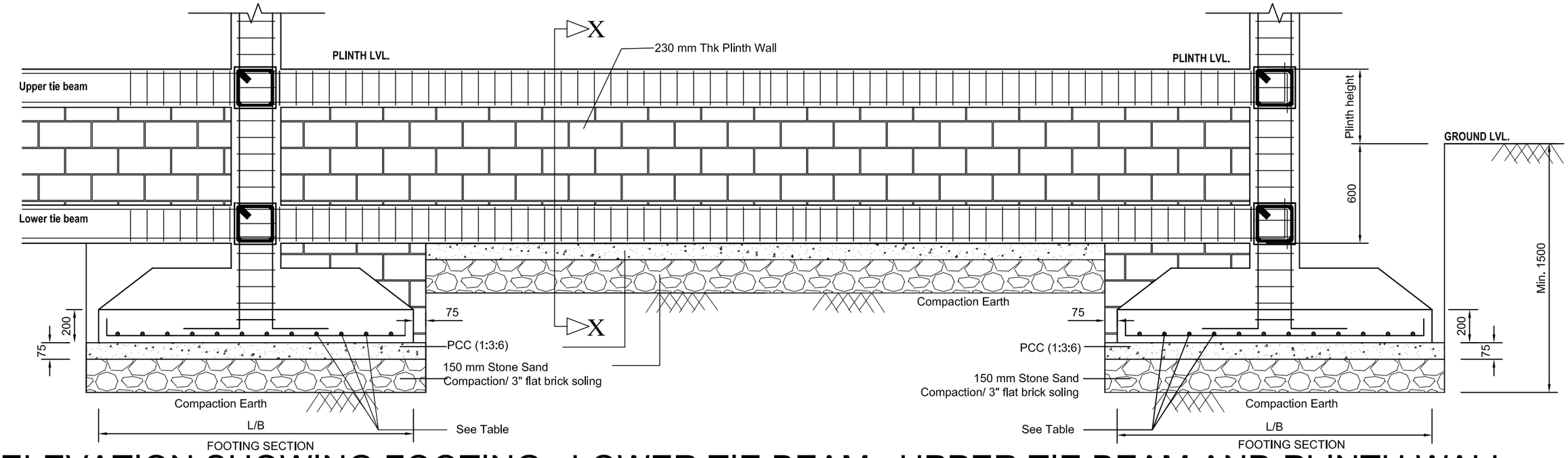
Column Type	Foundation Plan LXB (mm)	Max Thickness	Reinforcement and Spacing	Recommended Minimum foundation depth, Df(mm)
Corner (F1)	1000X1000	250	12 dia@150mm c/c	1500
Face(F2)	1400X1400	350	12 dia@150mm c/c	1500
Inner(F3)	1700X1700	425	12 dia@150mm c/c	1500

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit (CLPIU)
Gyaneshwor, Kathmandu

PROJECT :
2 Storey 4 Classrooms
Revised (Oct 2017)

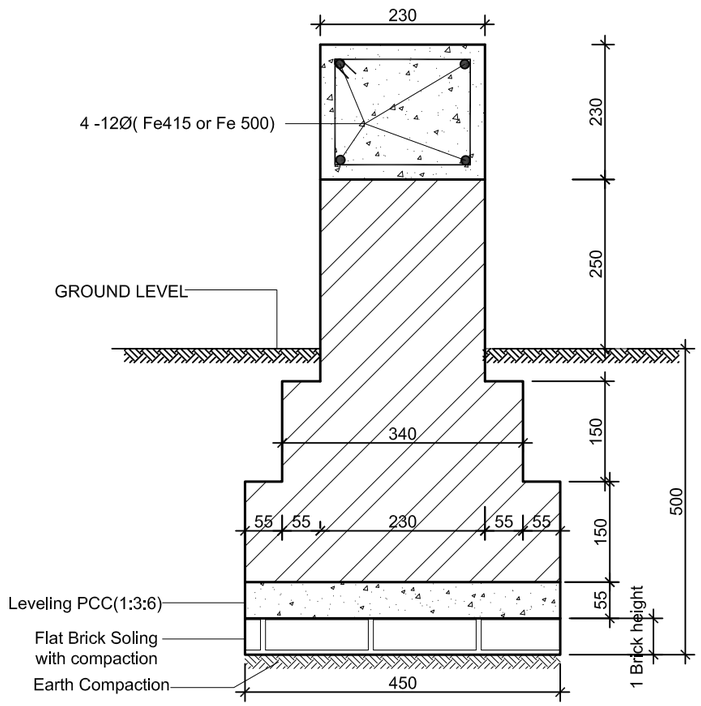
TITLE :
PLINTH WALL FOR WEAK/ SOFT SOIL

Date :		Sheet No:
Scale :		9
	Designed by :	
	Checked by :	
	Approved by :	

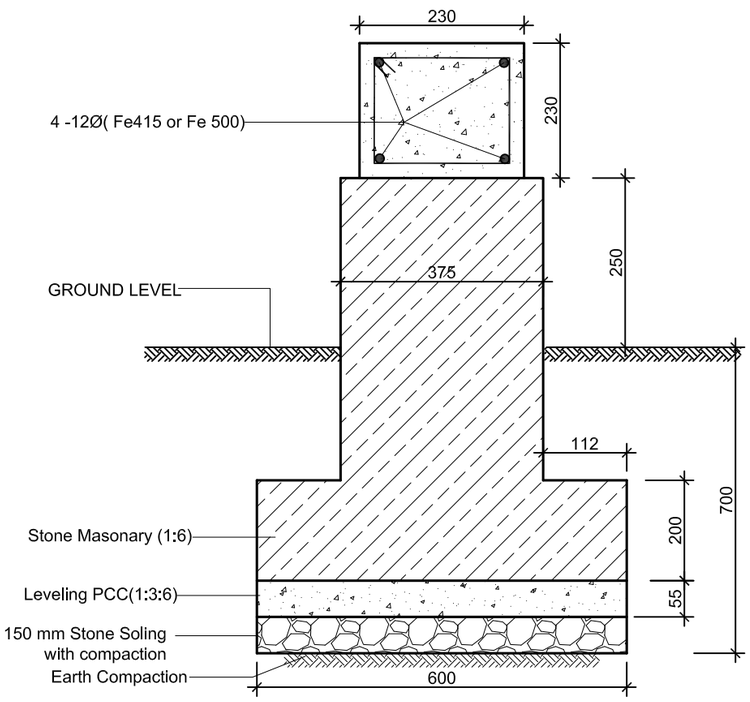


ELEVATION SHOWING FOOTING , LOWER TIE BEAM , UPPER TIE BEAM AND PLINTH WALL

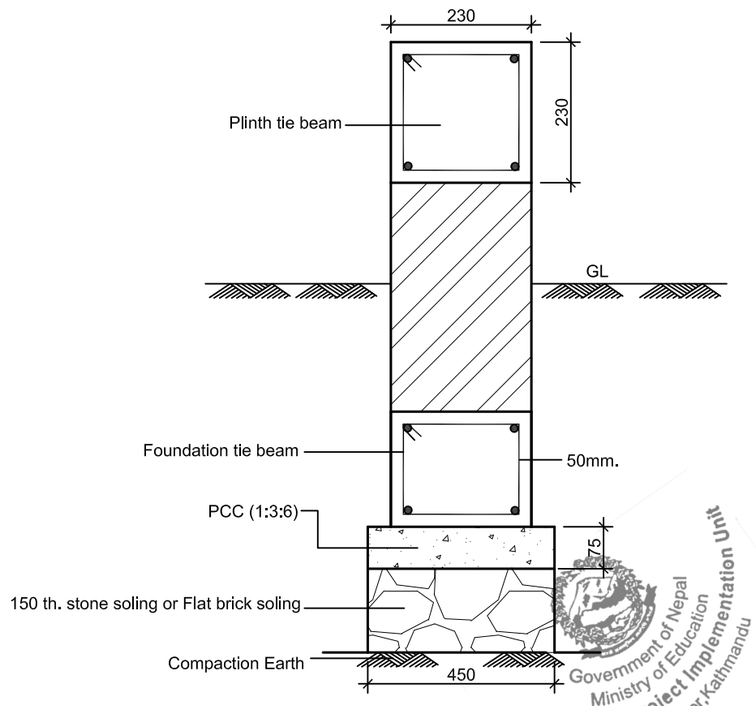
(For soft and weak soil)



BRICK MASONRY TOE WALL

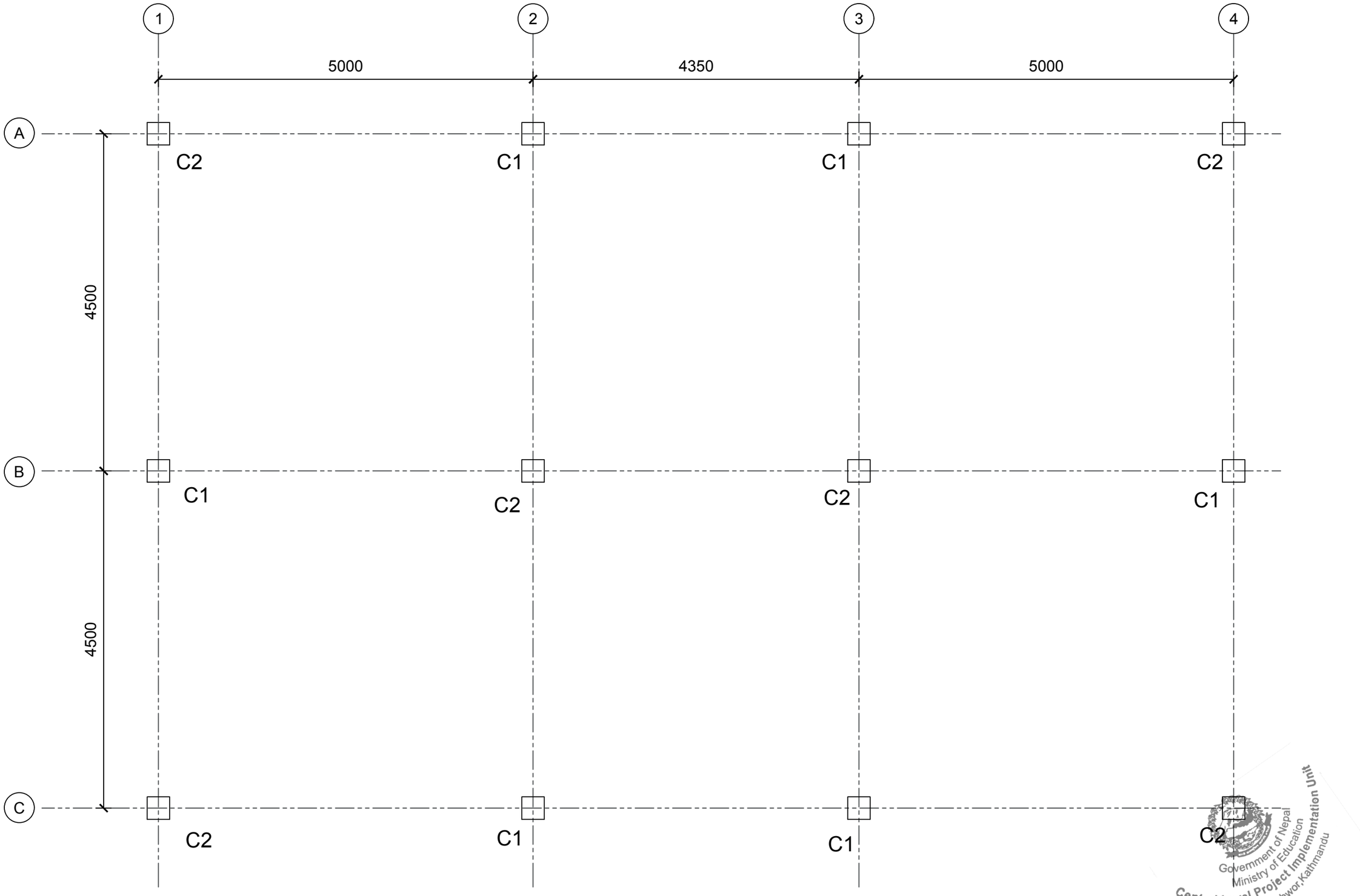


STONE MASONRY TOE WALL



SECTION AT X-X

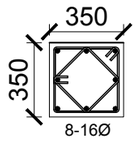
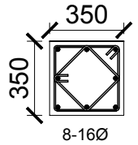
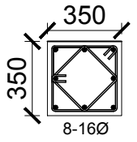
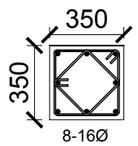
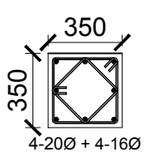
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : PLINTH WALL FOR WEAK/ SOFT SOIL	Date : Scale : Designed by : Checked by : Approved by :	Sheet No: 10

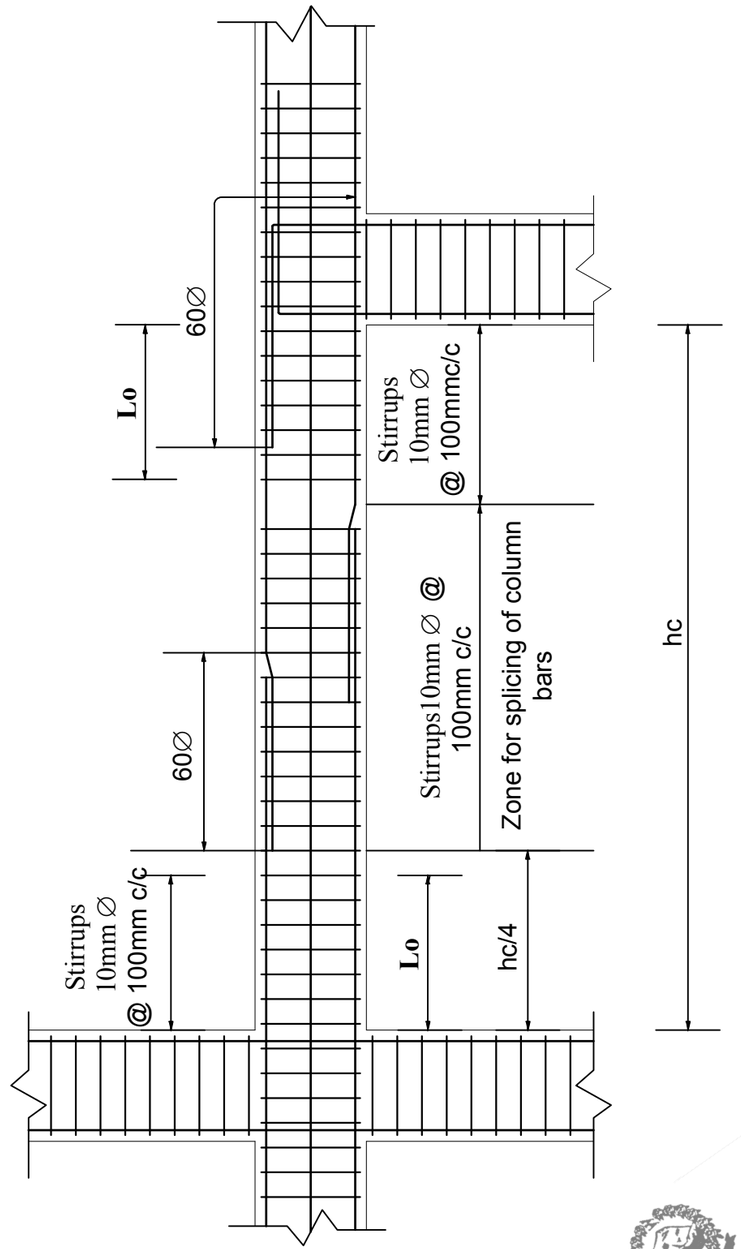


COLUMN PLAN

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : COLUMN PLAN	Date : Scale : 1:50 Designed by : Checked by : Approved by :	Sheet No: 11

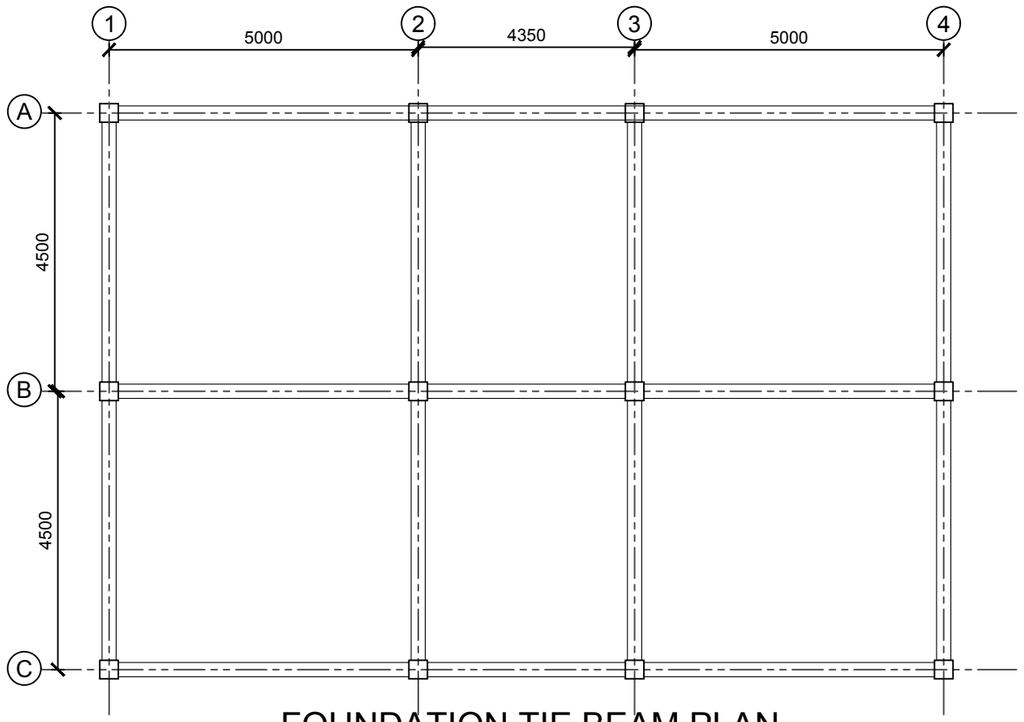
COLUMN SIZE AND REINFORCEMENT

Floor	Column C1	Column C2	Stirrups		Grade
			T & B (H/4)	Mid (H/2)	
Pent House			8Ø @ 100mm c/c	8Ø @ 150mm c/c	M 20
Second Storey			8Ø @ 100mm c/c	8Ø @ 150mm c/c	M 20
First Storey			8Ø @ 100mm c/c	8Ø @ 150mm c/c	M 20



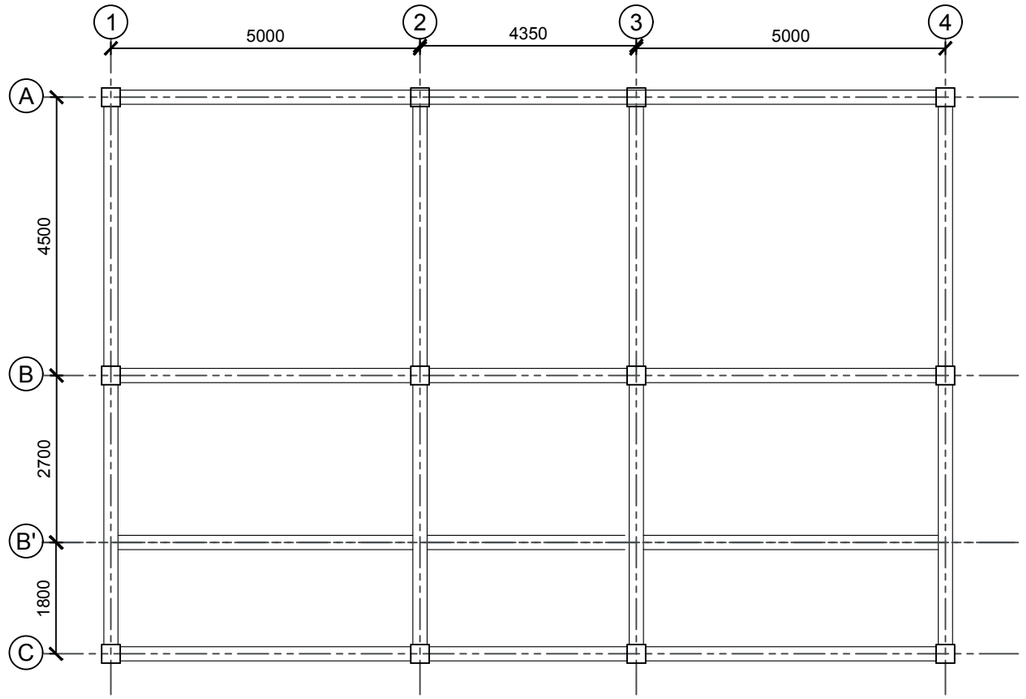
L-SECTION OF COLUMN WITH LAPPING

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : COLUMN DETAILS	Date : Scale : 1:50 Designed by : Checked by : Approved by :	Sheet No: 12

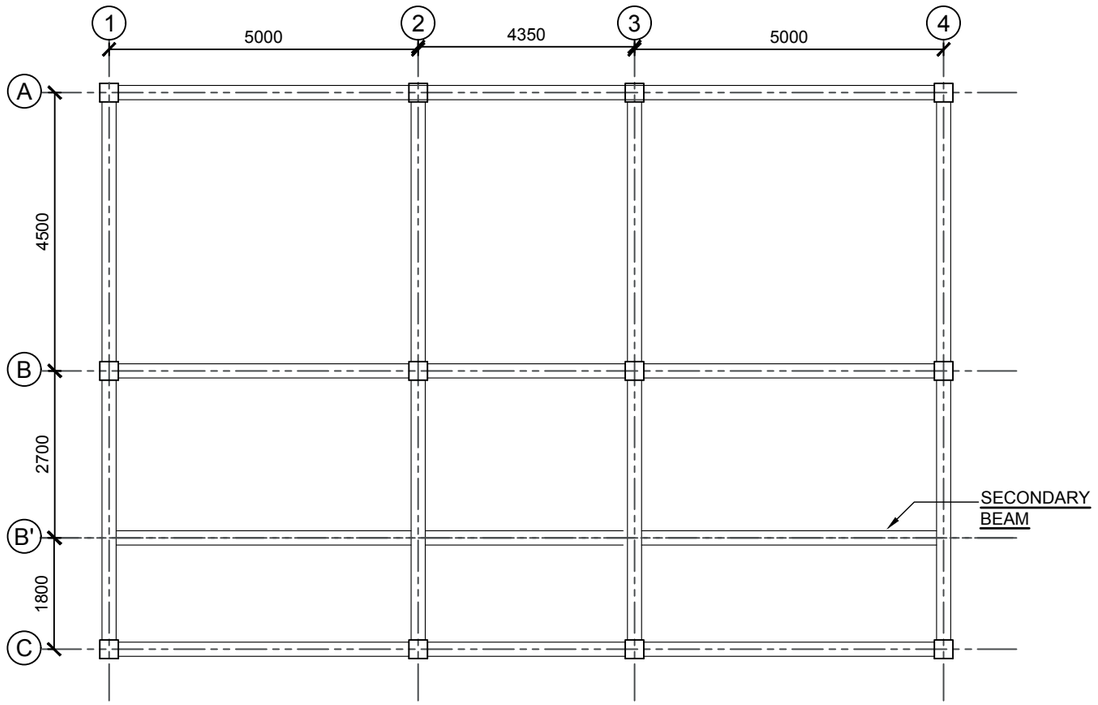


FOUNDATION TIE BEAM PLAN

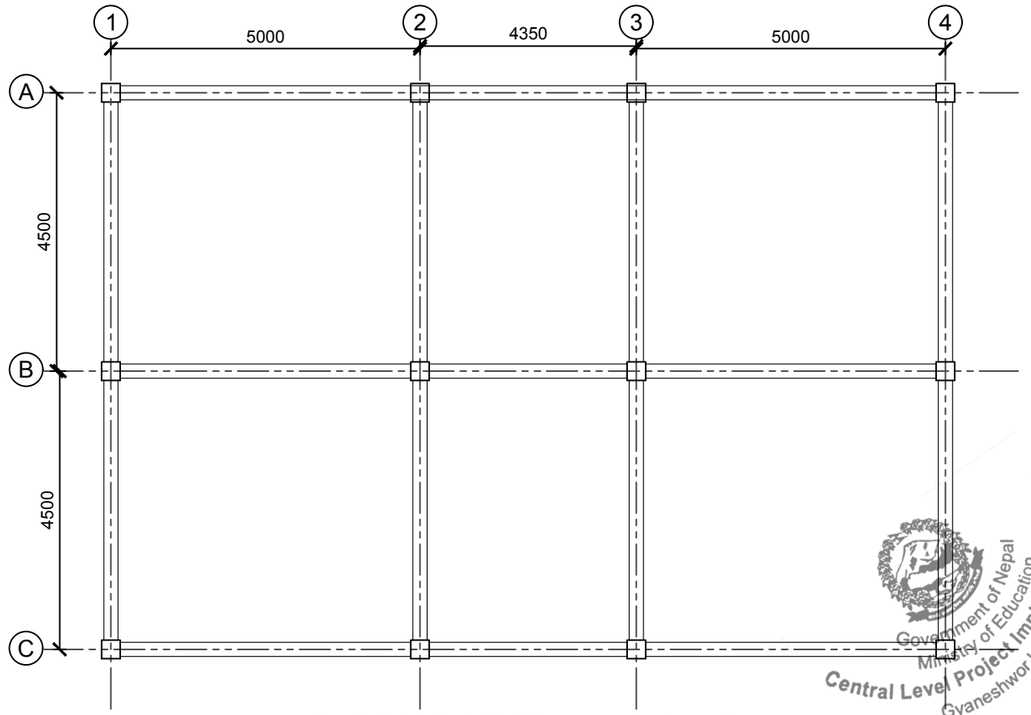
(Beam size 230x230)



PLINTH BEAM PLAN



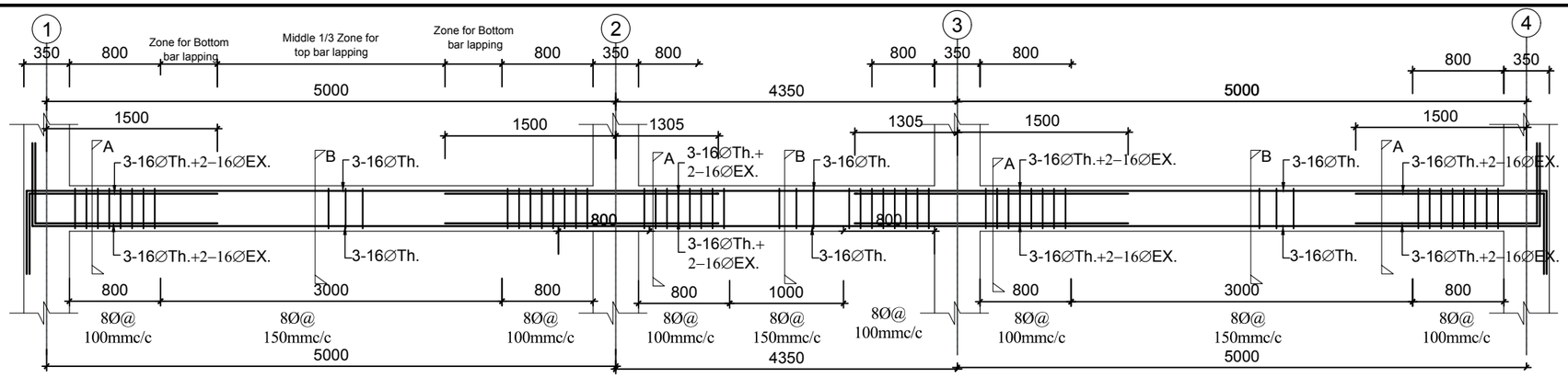
BEAM PLAN(First Floor)



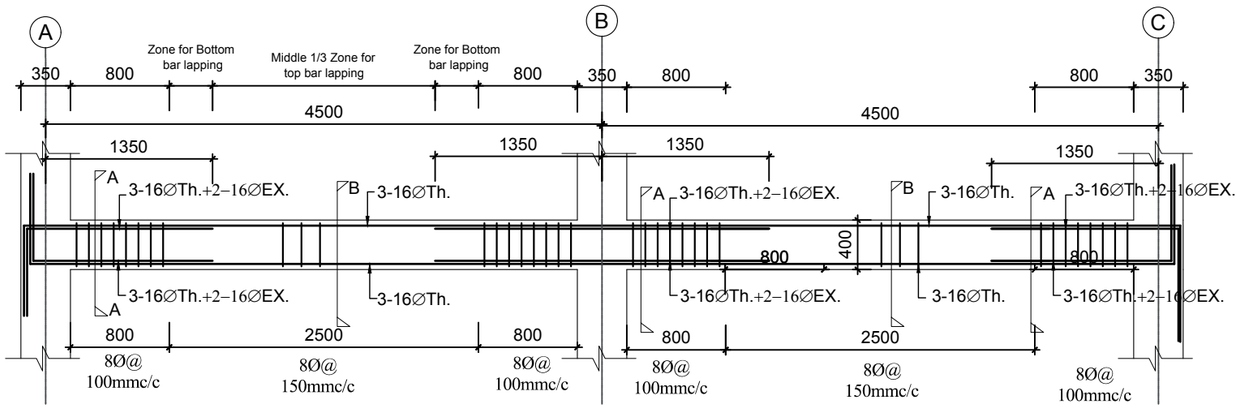
BEAM PLAN(Second Floor)

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

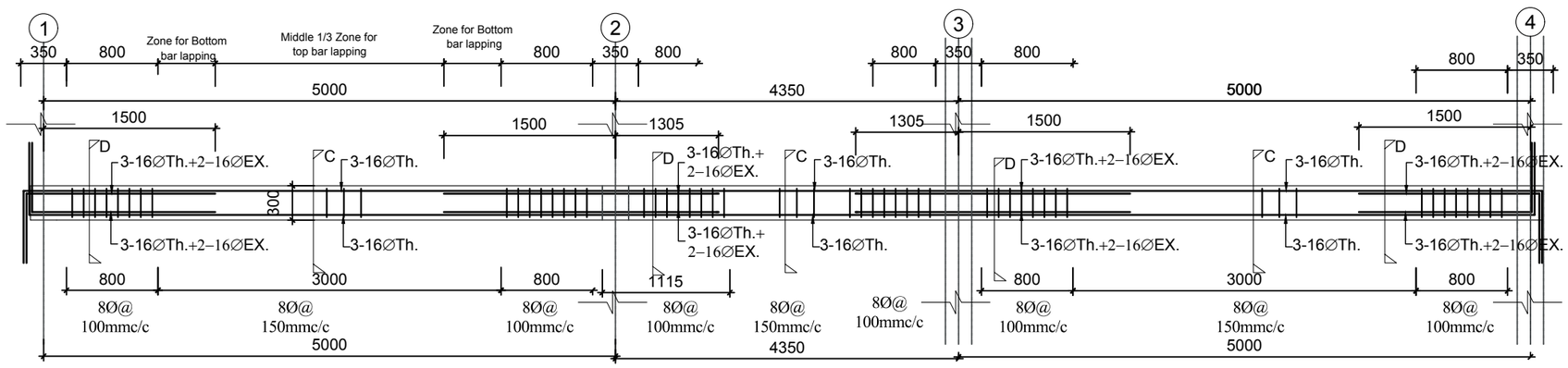
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : BEAM PLAN	Date :	Sheet No: 13
			Scale : 1:100	
				Designed by :
				Checked by :
				Approved by :



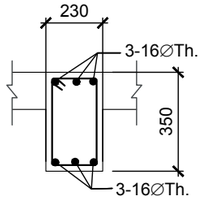
L-Section of beam along grid A,B,C (FIRST FLOOR - BEAM)



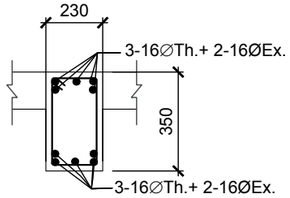
L-Section of beam along grid 1,2,3,4 (FIRST FLOOR - BEAM)



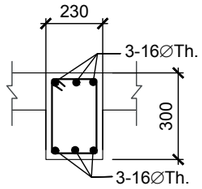
L-Section of beam along grid B' (SECONDARY BEAM)



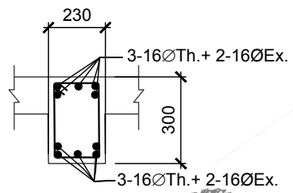
Section at B-B



Section at A-A

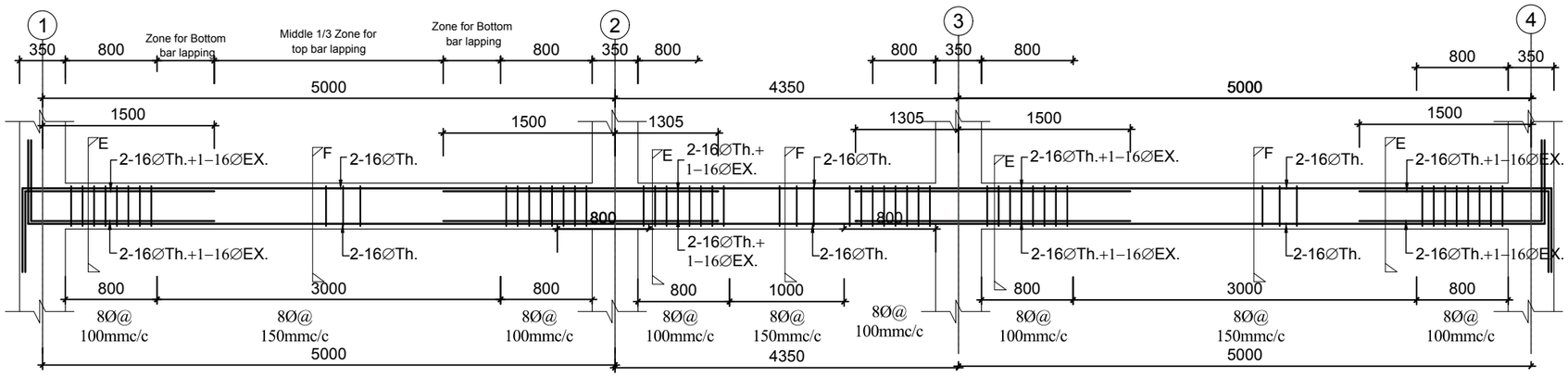


Section at C-C

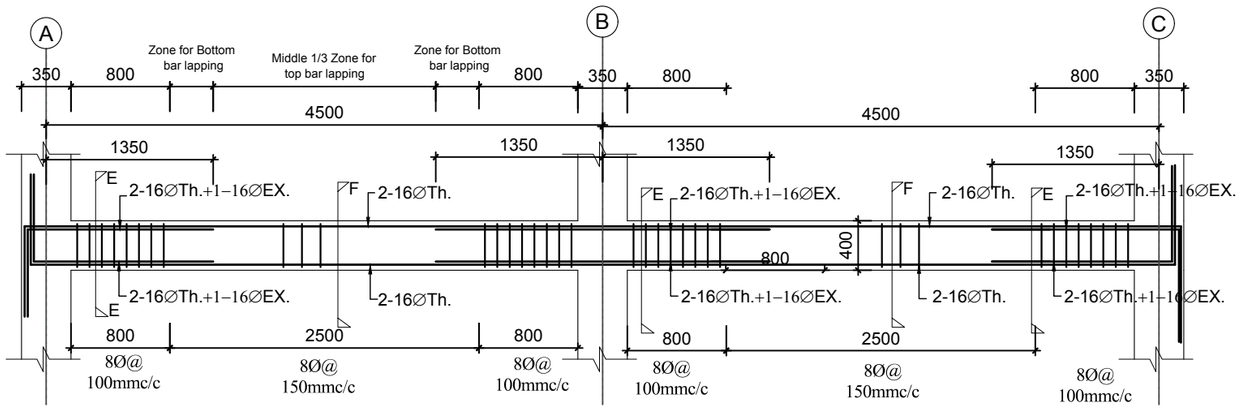


Section at D-D

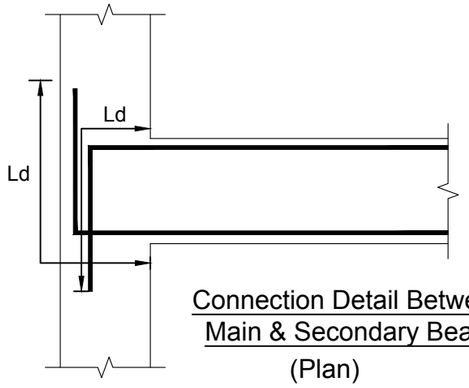
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : BEAM DETAILS	Date :	Sheet No: 14
			Scale : 1:50 & 1:25	
			Designed by :	
			Checked by :	
			Approved by :	



L-Section of beam along grid A,B,C (SECOND FLOOR - BEAM)

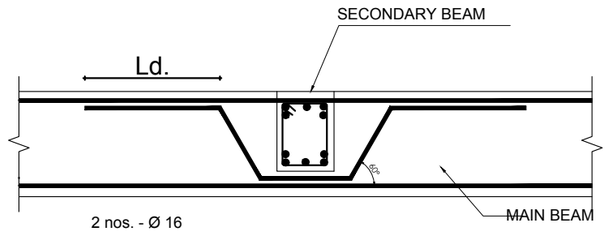


L-Section of beam along grid 1,2,3,4 (SECOND FLOOR - BEAM)



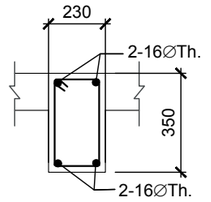
Connection Detail Between Main & Secondary Beam

(Plan)

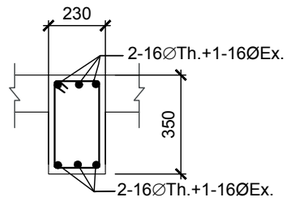


Connection Detail Between Main & Secondary Beam

(Section)



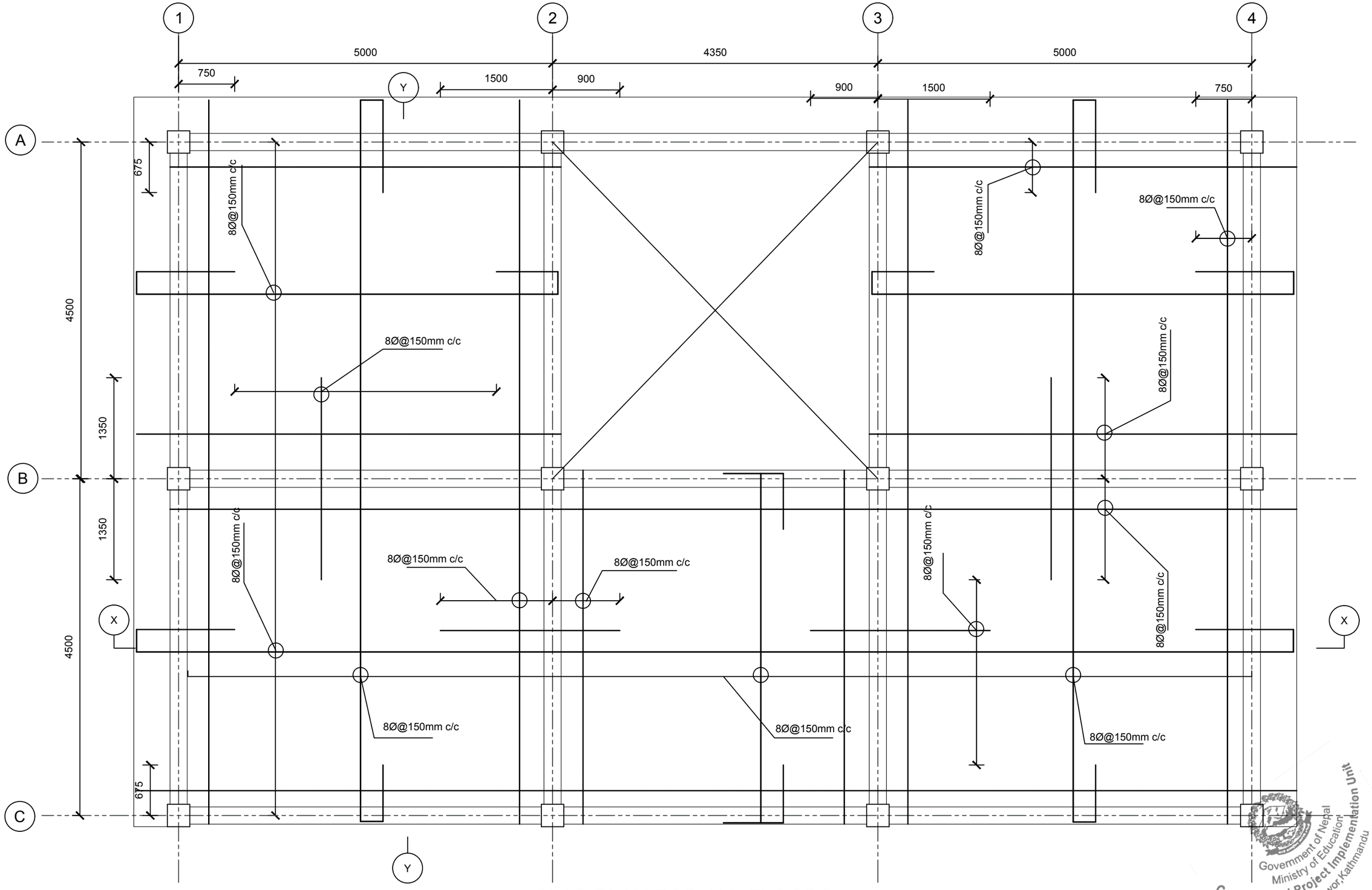
Section at F-F



Section at E-E

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : BEAM DETAILS	Date :	Sheet No: 15
			Scale : 1:50	
			Designed by :	
			Checked by :	
			Approved by :	



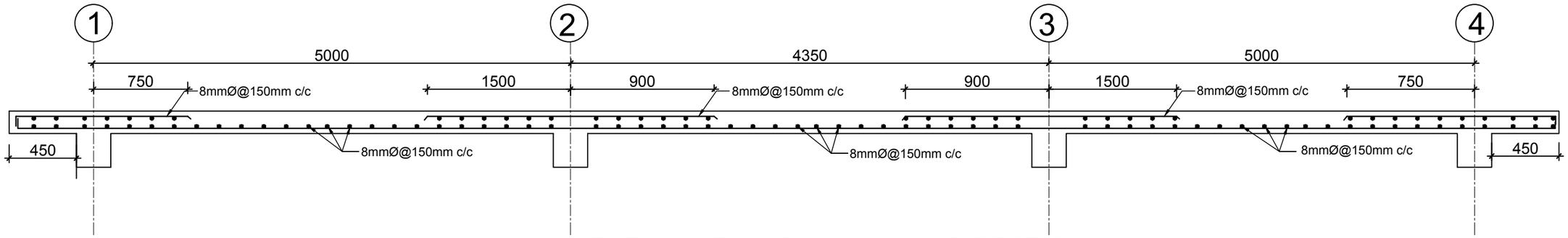
SLAB PLAN FOR ALL FLOORS

SLAB THICKNESS= 125mm

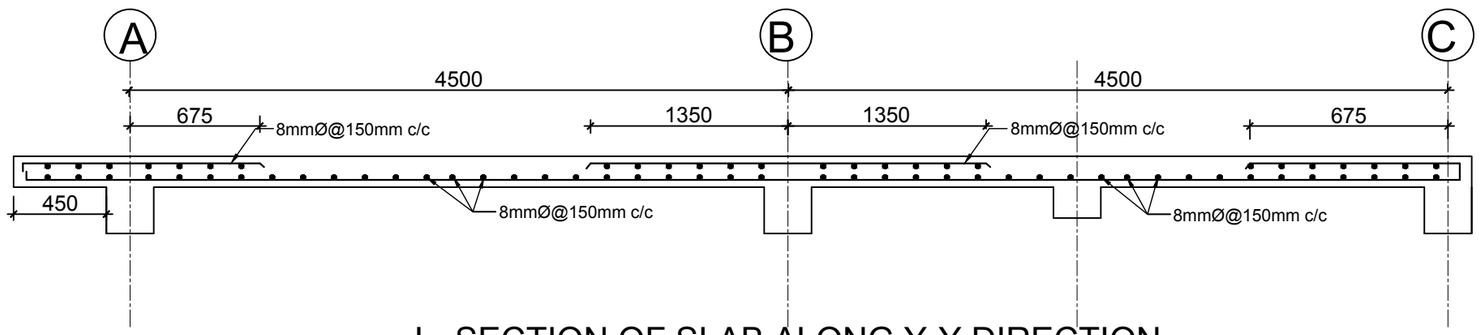
Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : SLAB REINFORCEMENT PLAN	Date :	Sheet No: 16
			Scale : 1:50	
			Designed by :	
			Checked by :	
			Approved by :	



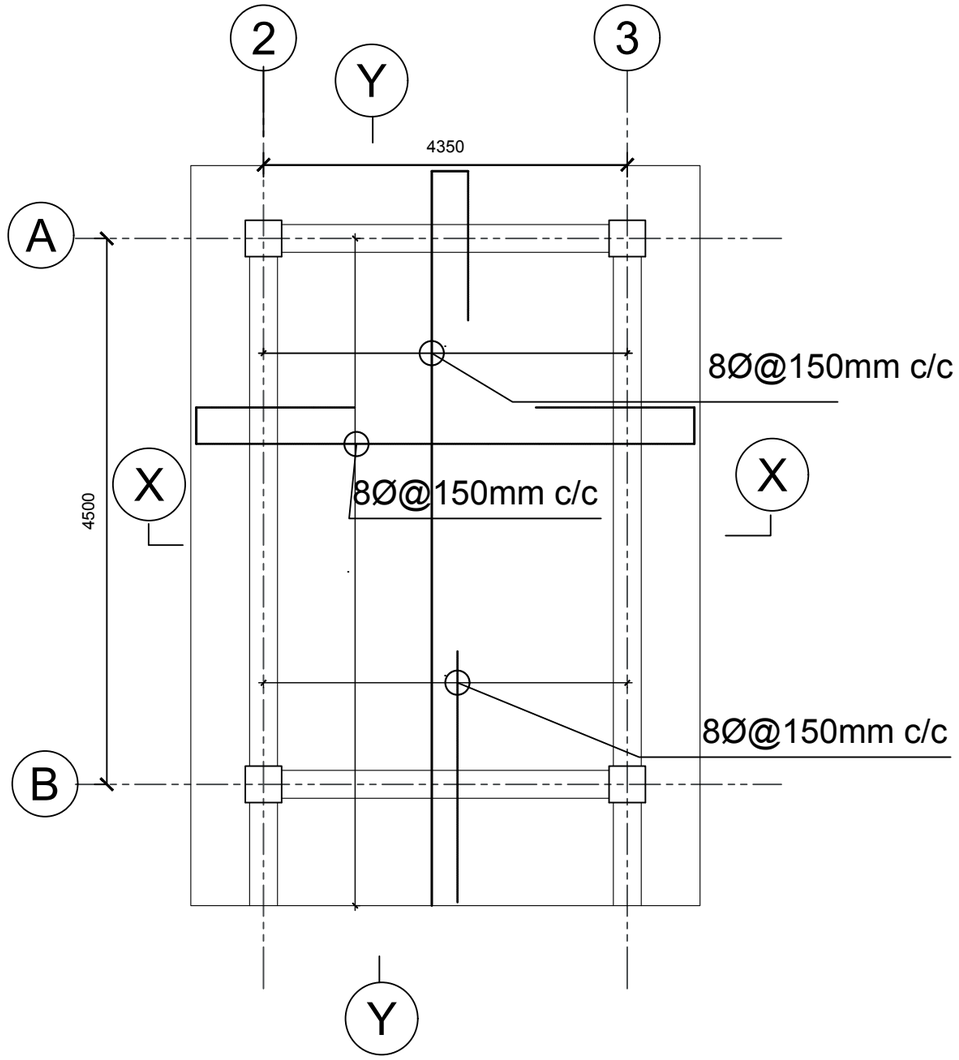
L- SECTION OF SLAB ALONG X-X DIRECTION



L- SECTION OF SLAB ALONG Y-Y DIRECTION

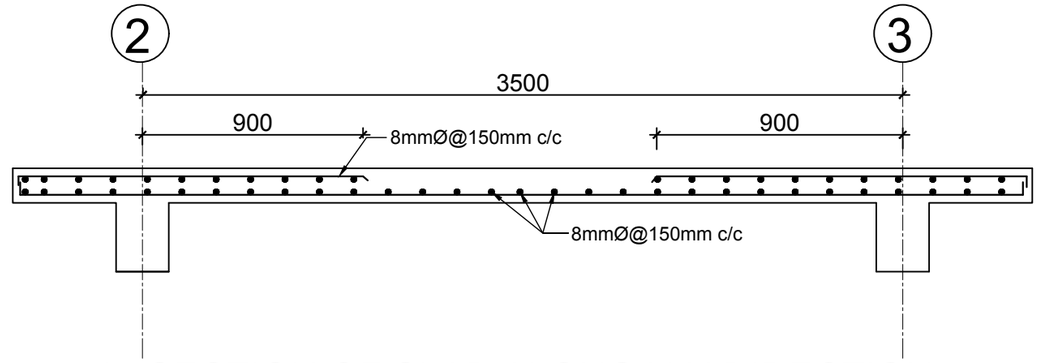
Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : SLAB SECTIONS	Date :	Sheet No: 17
			Scale : 1:25	
				Designed by :
				Checked by :
				Approved by :

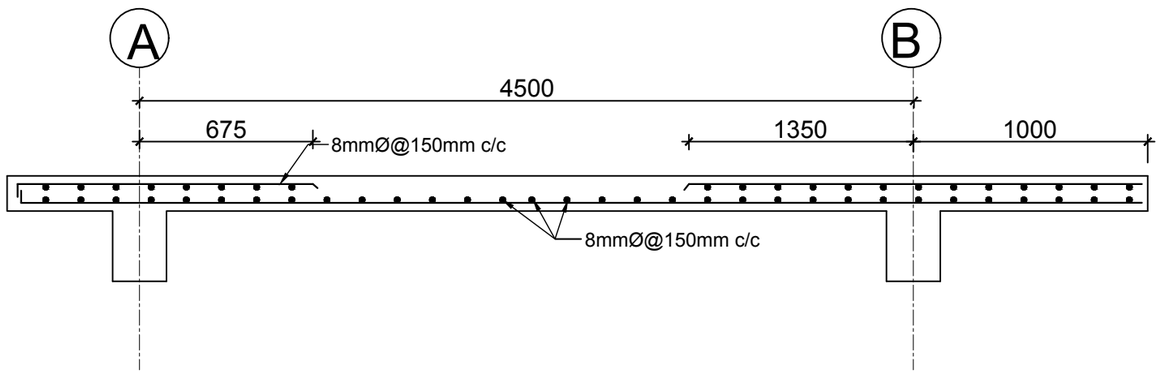


SLAB PLAN FOR STAIRCASE ROOF

SLAB THICKNESS= 125mm



L- SECTION OF SLAB ALONG X-X DIRECTION



L- SECTION OF SLAB ALONG Y-Y DIRECTION

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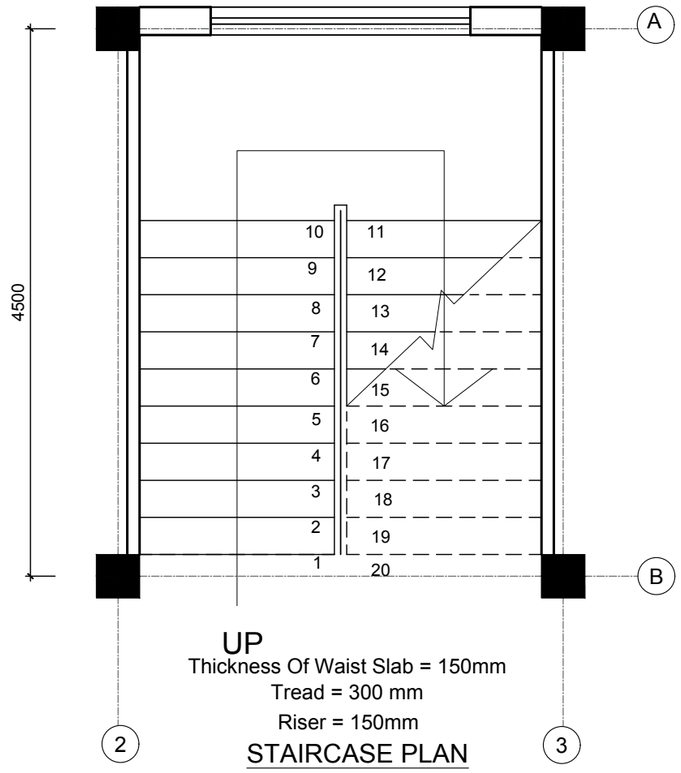
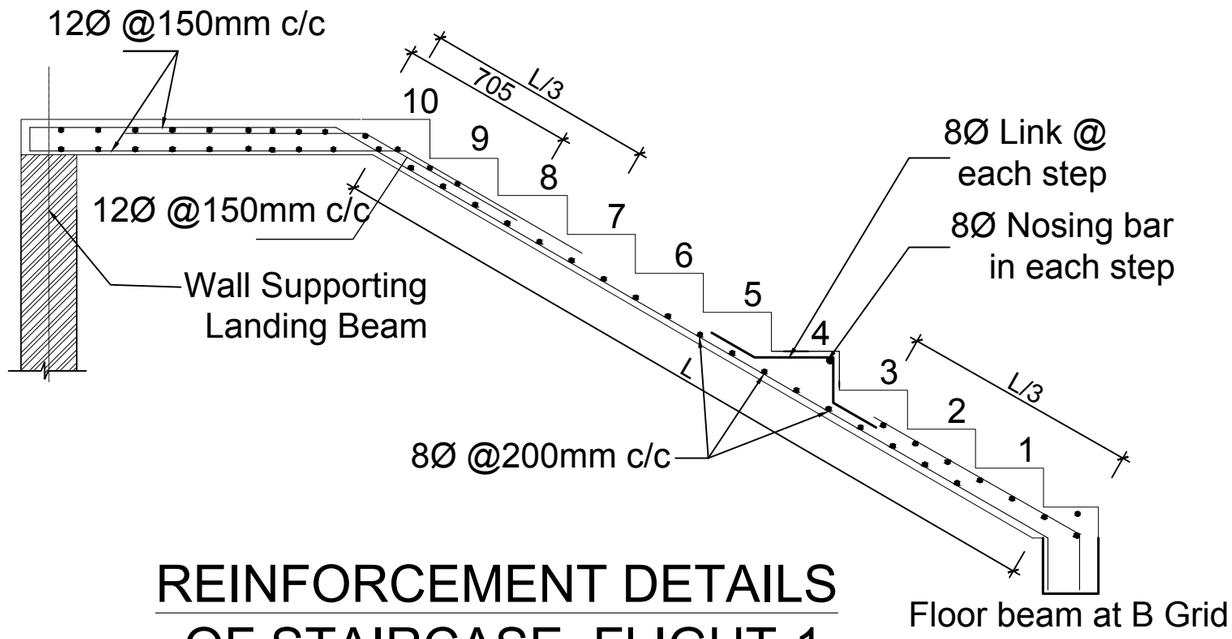
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 6 Classrooms Revised (Oct 2017)	TITLE : STAIRCASE SLAB	Date : Scale : 1:25	Sheet No: 18
			Designed by :	
			Checked by :	
			Approved by :	

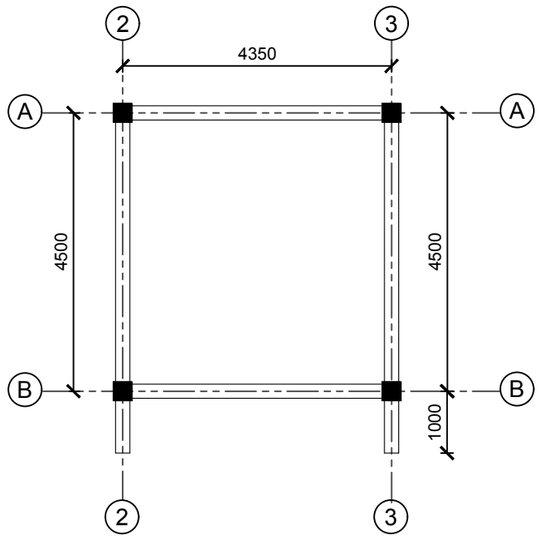


Thickness Of Waist Slab = 150mm
Tread = 300 mm
Riser = 150mm

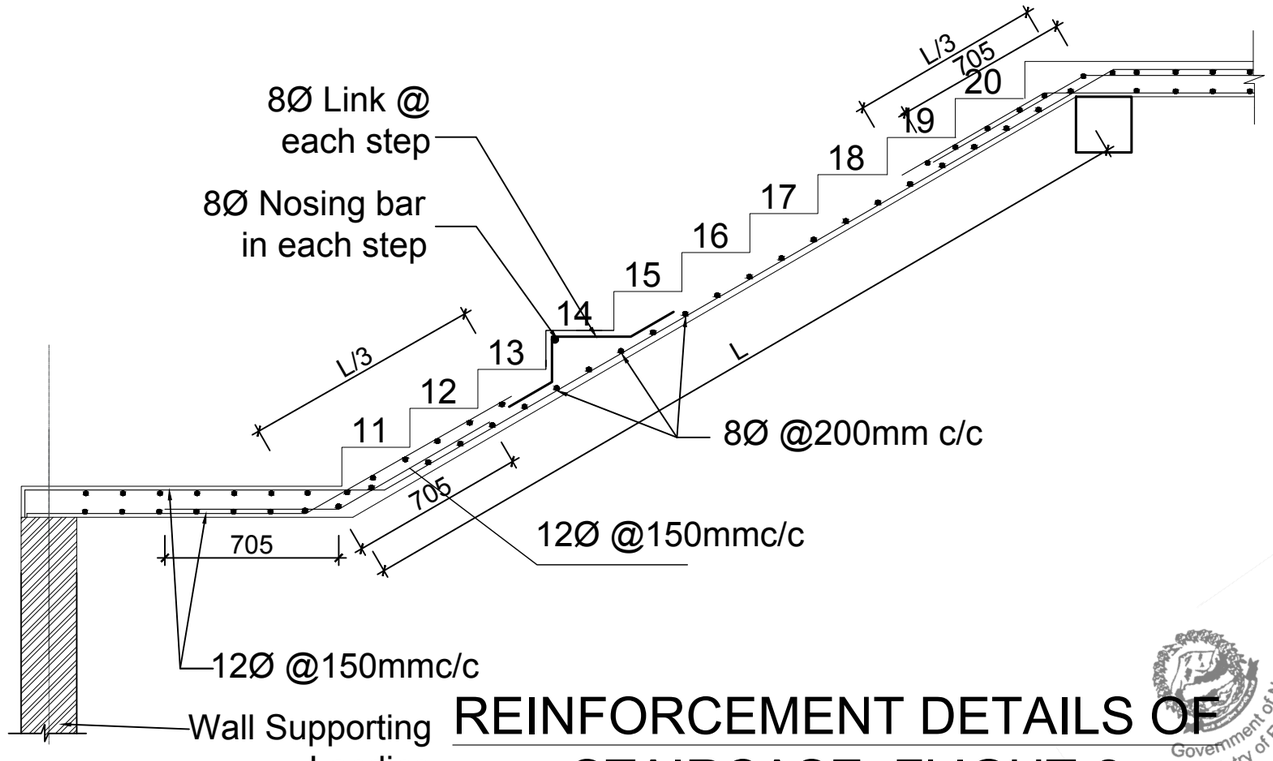
STAIRCASE PLAN
(SCALE - 1:50)



REINFORCEMENT DETAILS OF STAIRCASE FLIGHT-1



BEAM LAYOUT PLAN
(Staircase Roof Level)
(SCALE - 1:100)



REINFORCEMENT DETAILS OF STAIRCASE FLIGHT-2

(SCALE - 1:25)

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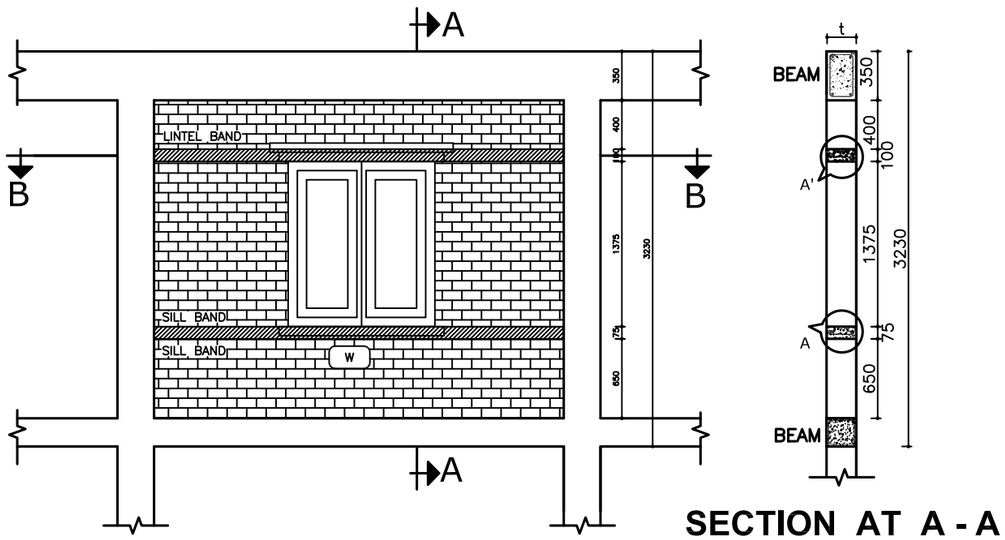
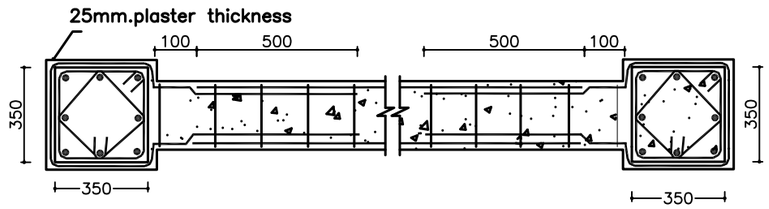
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor,Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : STAIRCASE DETAILS	Date :	Sheet No: 19
			Scale : 1:50 &1:25	
			Designed by :	
			Checked by :	
			Approved by :	

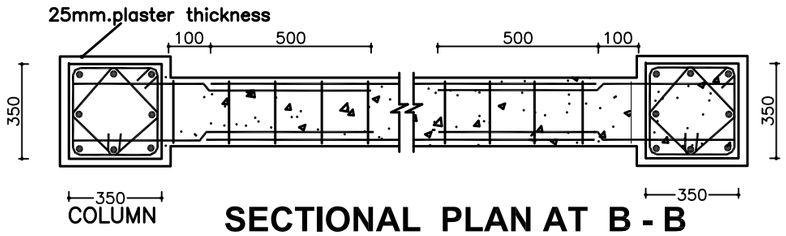


WALL WITH WINDOW

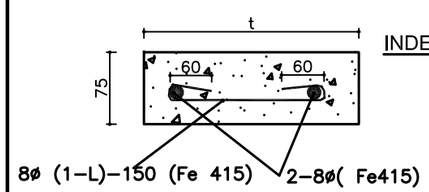
SECTION AT A - A



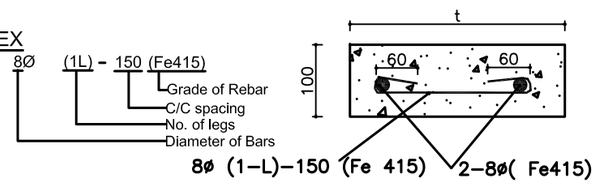
SECTIONAL PLAN AT B - B
OPTION-I



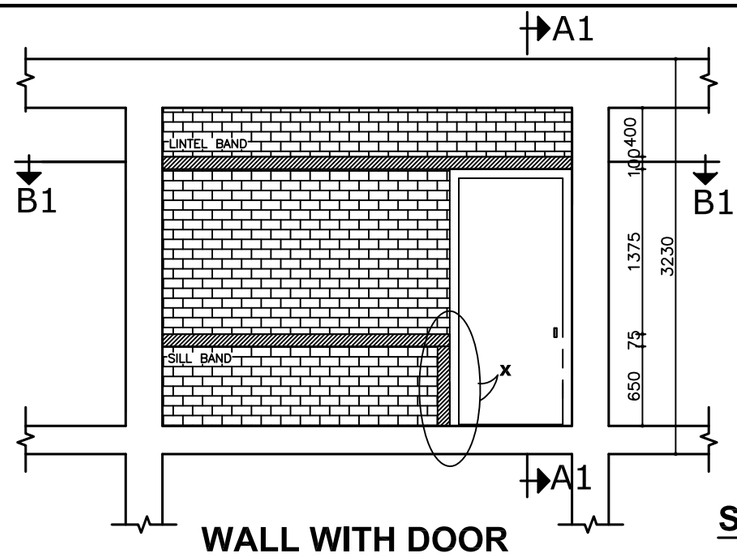
SECTIONAL PLAN AT B - B
OPTION-II



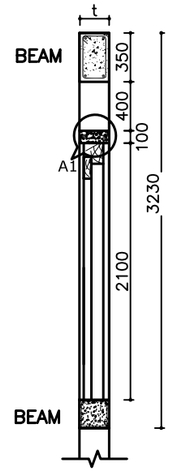
DETAIL AT A



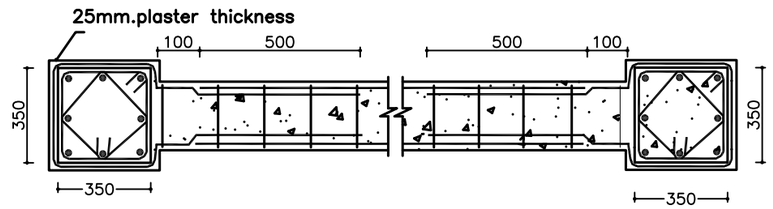
DETAIL AT A'



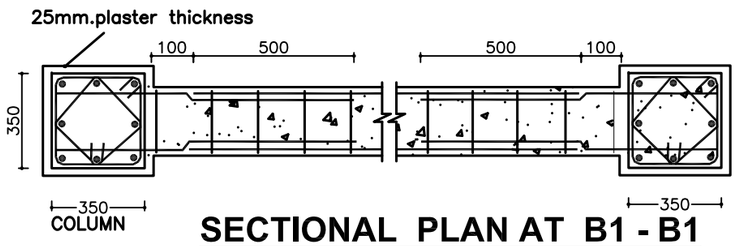
WALL WITH DOOR



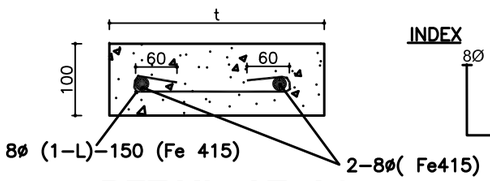
SECTION AT A1 - A1



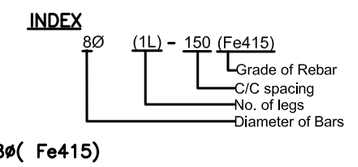
SECTIONAL PLAN AT B1 - B1
OPTION-I

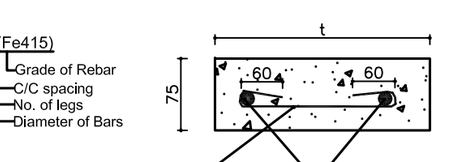


SECTIONAL PLAN AT B1 - B1
OPTION-II

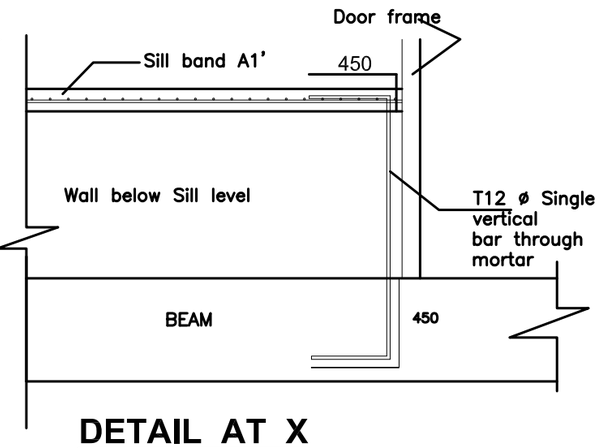


DETAIL AT A1



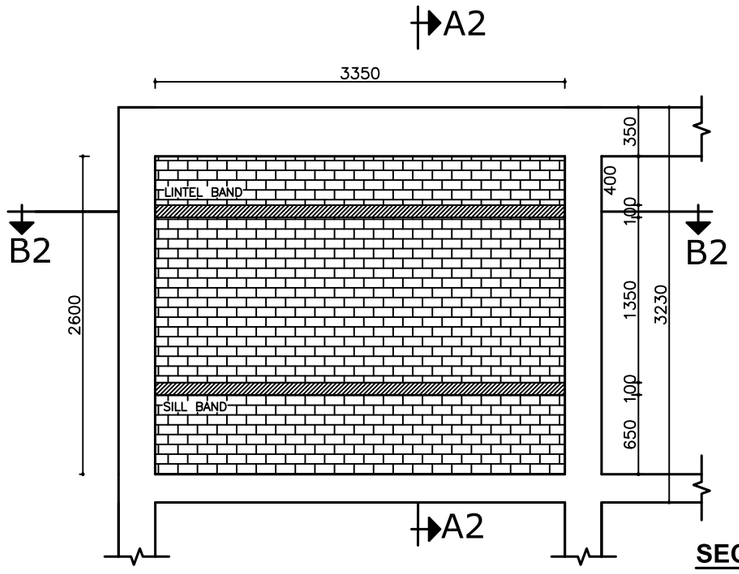


DETAIL AT A1'

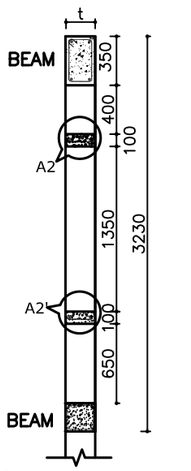


DETAIL AT X

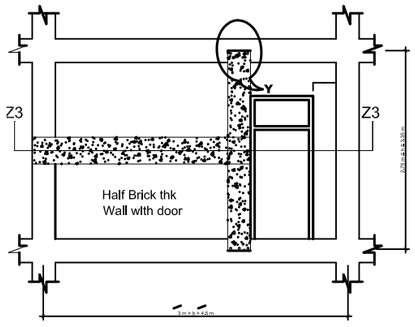
Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : BAND DETAILS	Date : / Scale : 1:50 Designed by : Checked by : Approved by :	Sheet No: 20



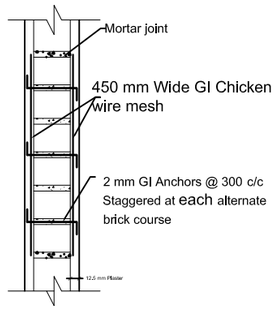
SOLID WALL



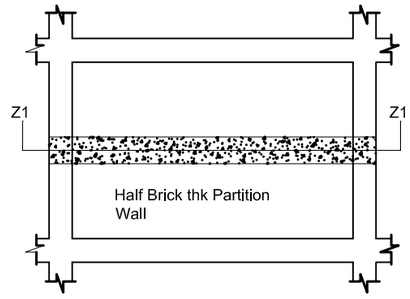
SECTION AT A2 - A2



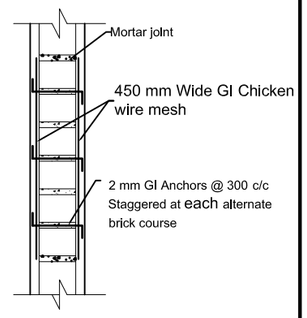
ELEVATION



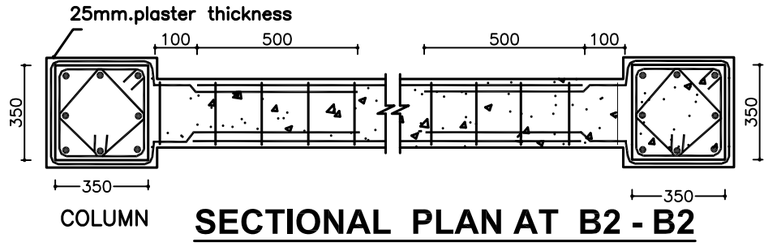
SECTION AT Z2 - Z2



ELEVATION



SECTION AT Z2 - Z2

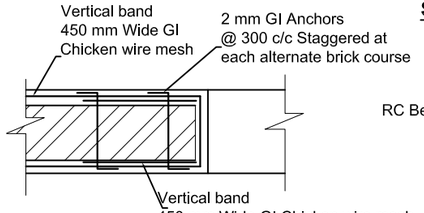


SECTIONAL PLAN AT B2 - B2
OPTION-I

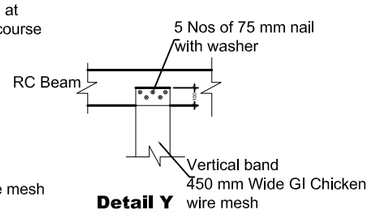
SECTIONAL PLAN AT B2 - B2
OPTION-II

DETAIL AT A2

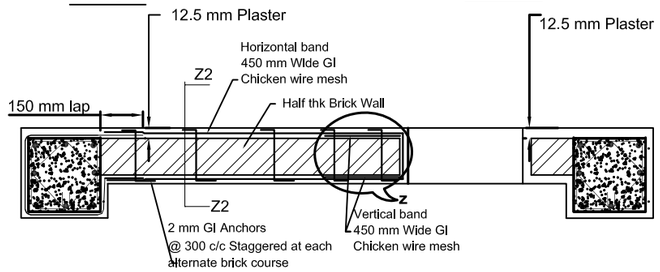
DETAIL AT A2'



Detail Z

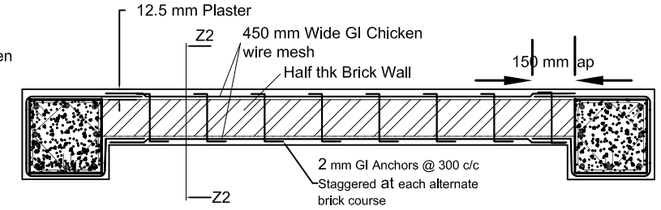


Detail Y



SECTIONAL PLAN AT Z3 - Z3

BAND **Detail of Solid Partition Walls**
Less than 6" thick wall



SECTIONAL PLAN AT Z1 - Z1

BAND **Detail of Solid Partition Walls**
Less than 6" thick wall

Government of Nepal
Ministry of Education
Central Level Project Implementation Unit
Gyaneshwor, Kathmandu

Government of Nepal Ministry of Education Central Level Project Implementation Unit (CLPIU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 4 Classrooms Revised (Oct 2017)	TITLE : BAND DETAILS	Date : Scale : 1:50 &1:25 Designed by : Checked by : Approved by :	Sheet No: 21