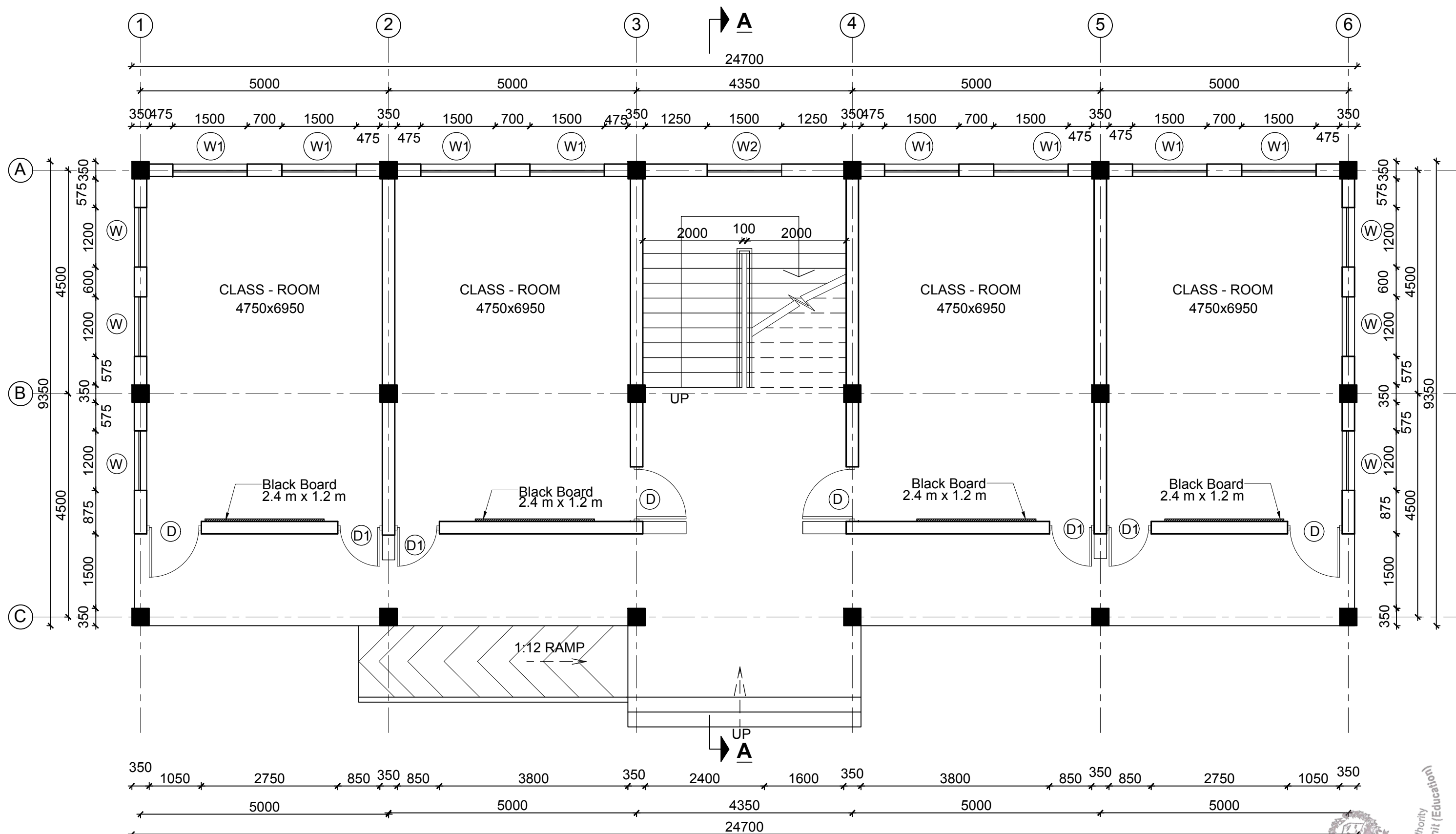


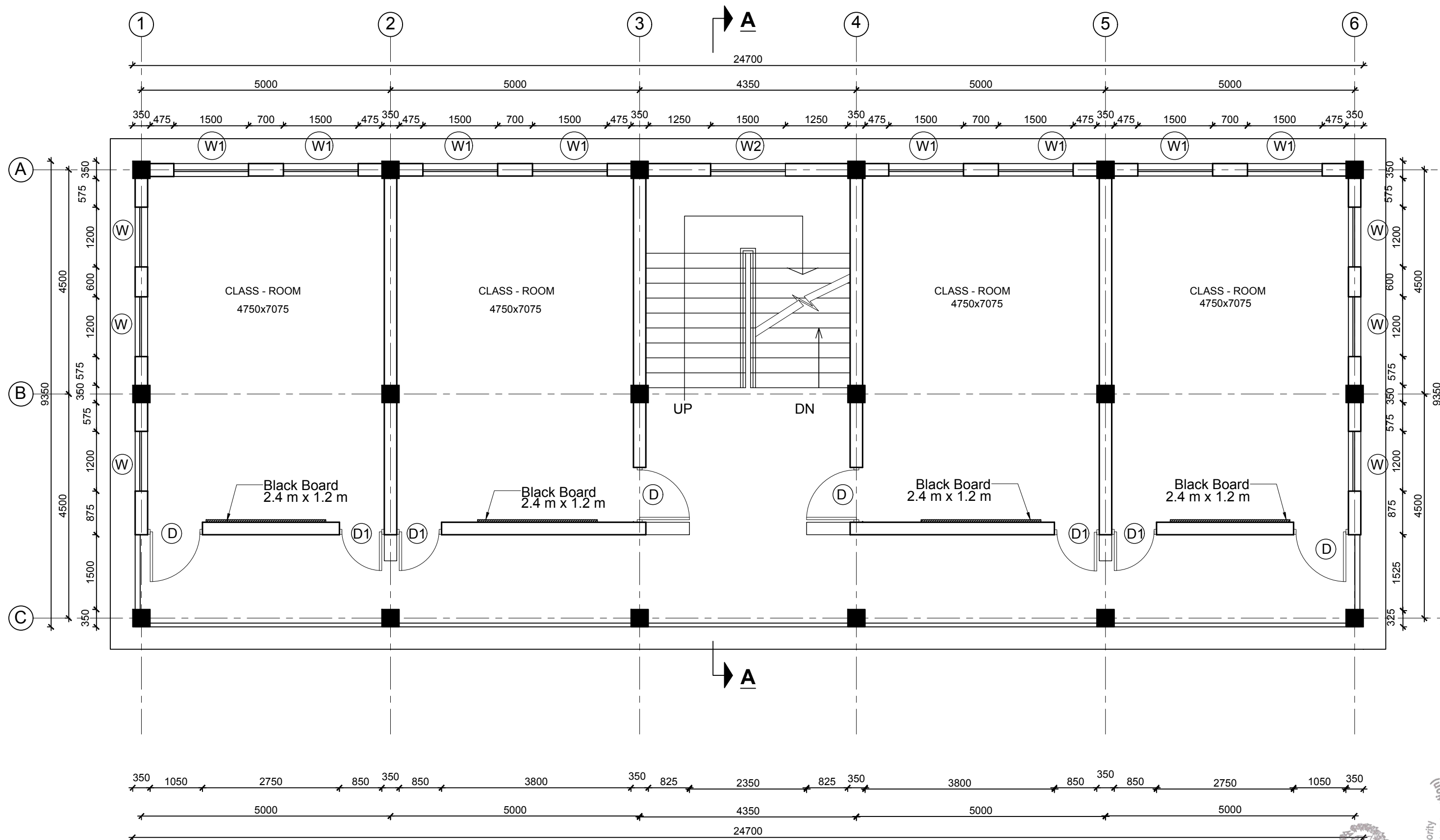
Government of Nepal
National Reconstruction Authority
Central Level Project Implementation Unit (EDU)
Gyaneshwor, Kathmandu

2 Storey 8 Classrooms

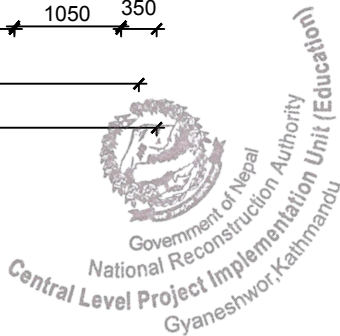
Revised (Nov 2018)



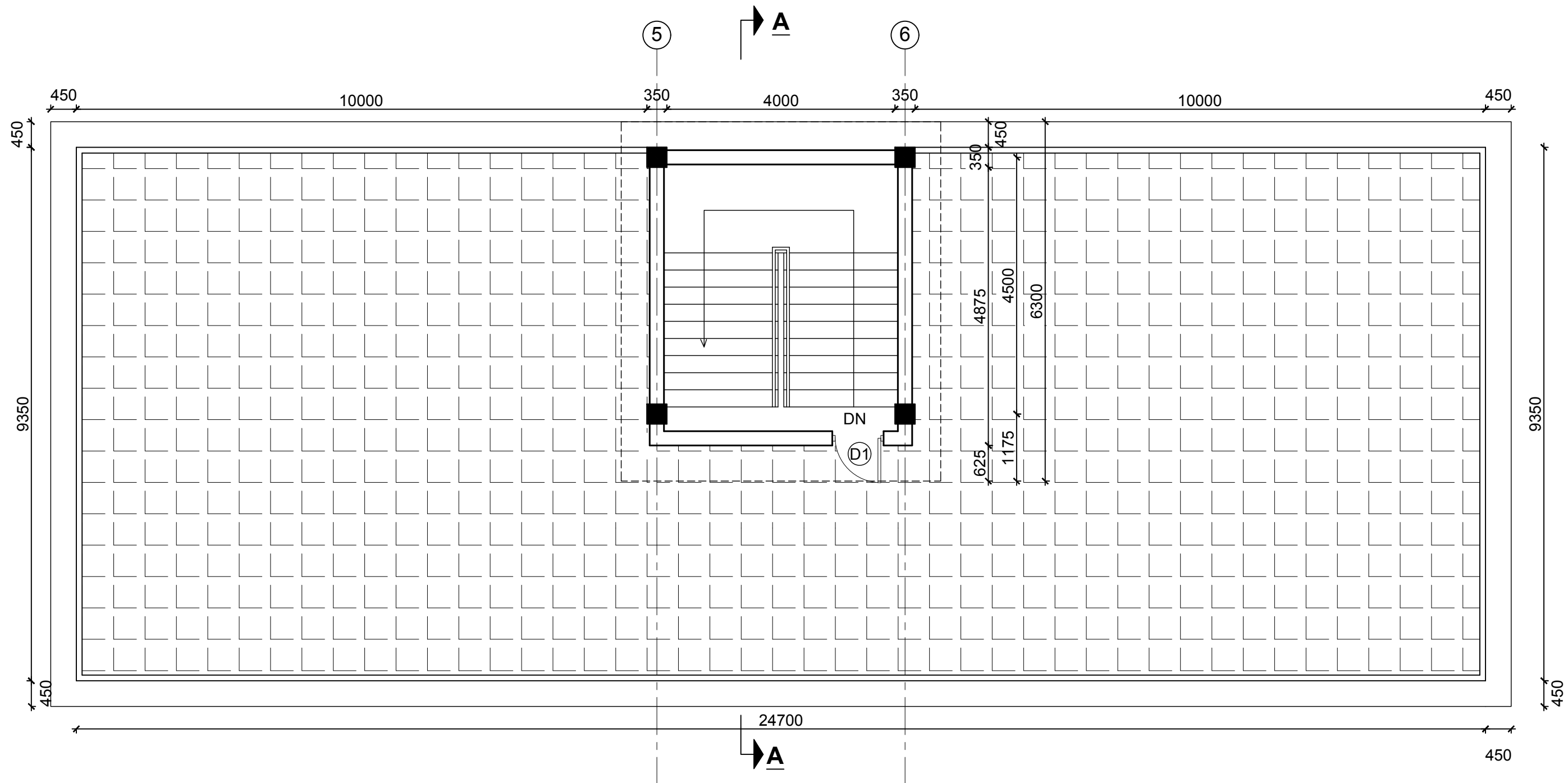




FIRST FLOOR PLAN



Government of Nepal National Reconstruction Authority Central Level Project Implementation Unit (EDU) Gyaneshwor, Kathmandu	PROJECT : 2 Storey 8 Classrooms Revised (Nov 2018)	TITLE : FIRST FLOOR PLAN	Date :		Sheet No: 2
			Scale : 1:75		
				Designed by :	
				Checked by :	
				Approved by :	



TOP FLOOR PLAN



Government of Nepal
National Reconstruction Authority
Central Level Project Implementation Unit (EDU)
Gyaneshwor, Kathmandu

PROJECT :
2 Storey 8 Classrooms
Revised (Nov 2018)

TITLE :
ROOF PLAN

Date :	
Scale : 1:75	
	Designed by :
	Checked by :
	Approved by :

Sheet No:

3



FRONT ELEVATION



BACK ELEVATION

Government of Nepal
National Reconstruction Authority
Central Level Project Implementation Unit (Educational)
Gyaneshwor, Kathmandu

Government of Nepal
National Reconstruction Authority
Central Level Project Implementation Unit (EDU)
Gyaneshwor, Kathmandu

PROJECT :
2 Storey 8 Classrooms
Revised (Nov 2018)

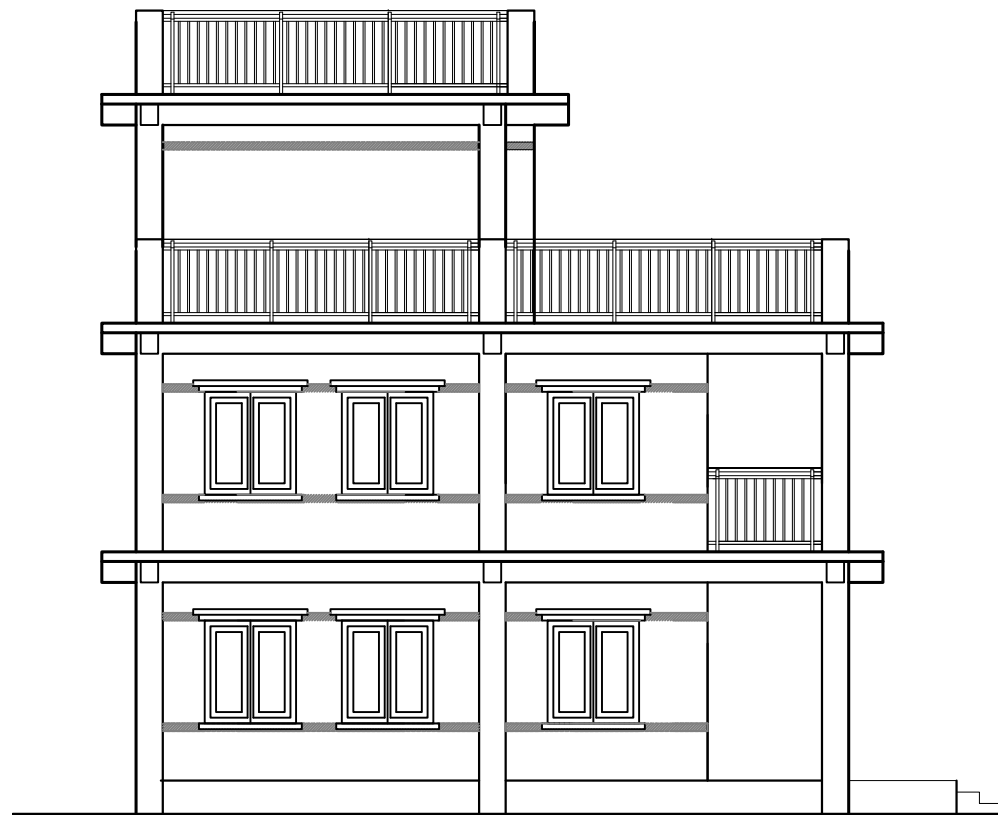
TITLE :
ELEVATIONS

Date :
Scale : 1:100

Designed by :
Checked by :
Approved by :

Sheet No:

4



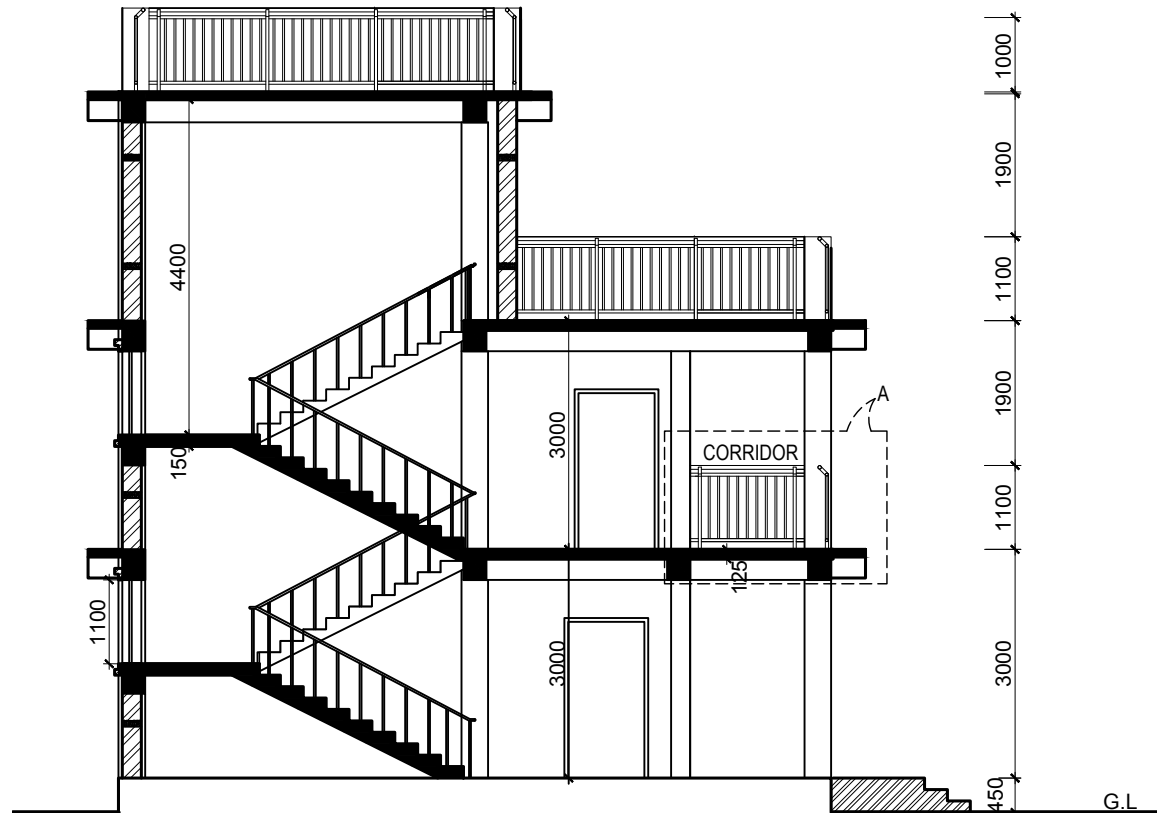
LEFT SIDE ELEVATION

Scale : 1:100



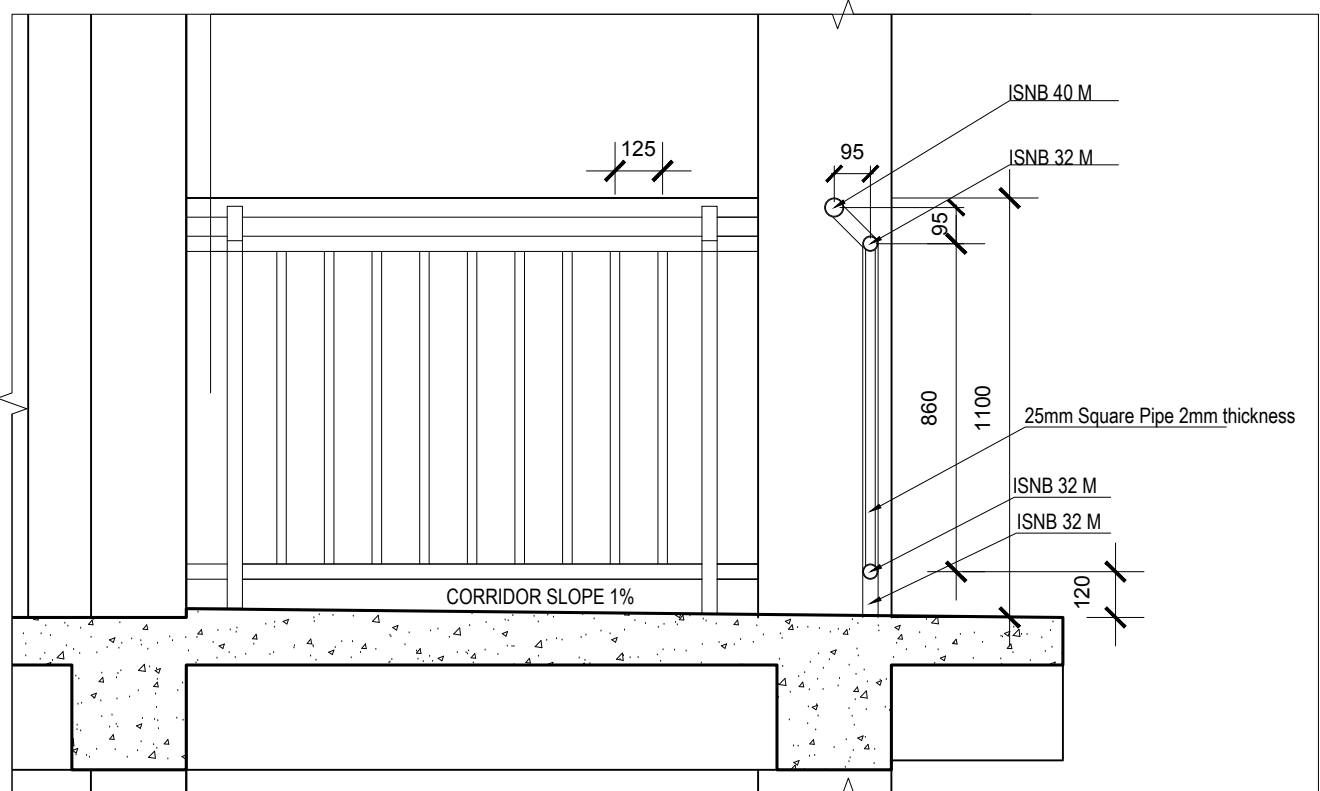
RIGHT SIDE ELEVATION

Scale : 1:100



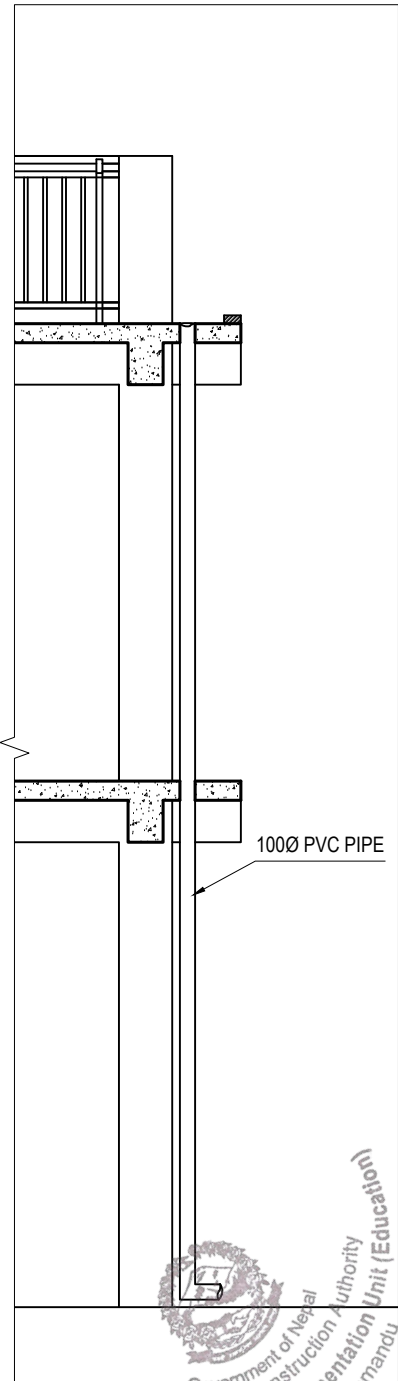
SECTION AT A-A

Scale : 1:100



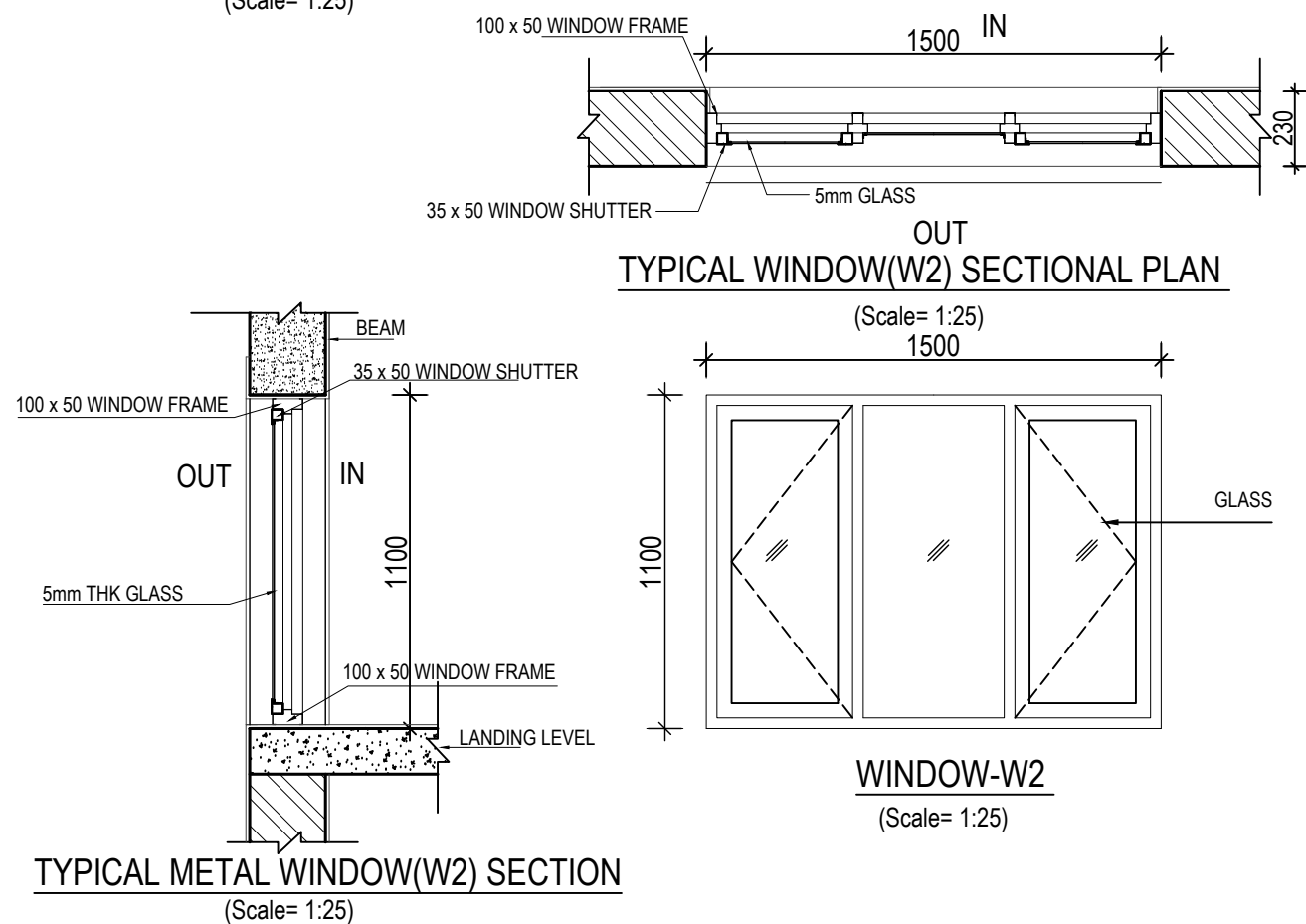
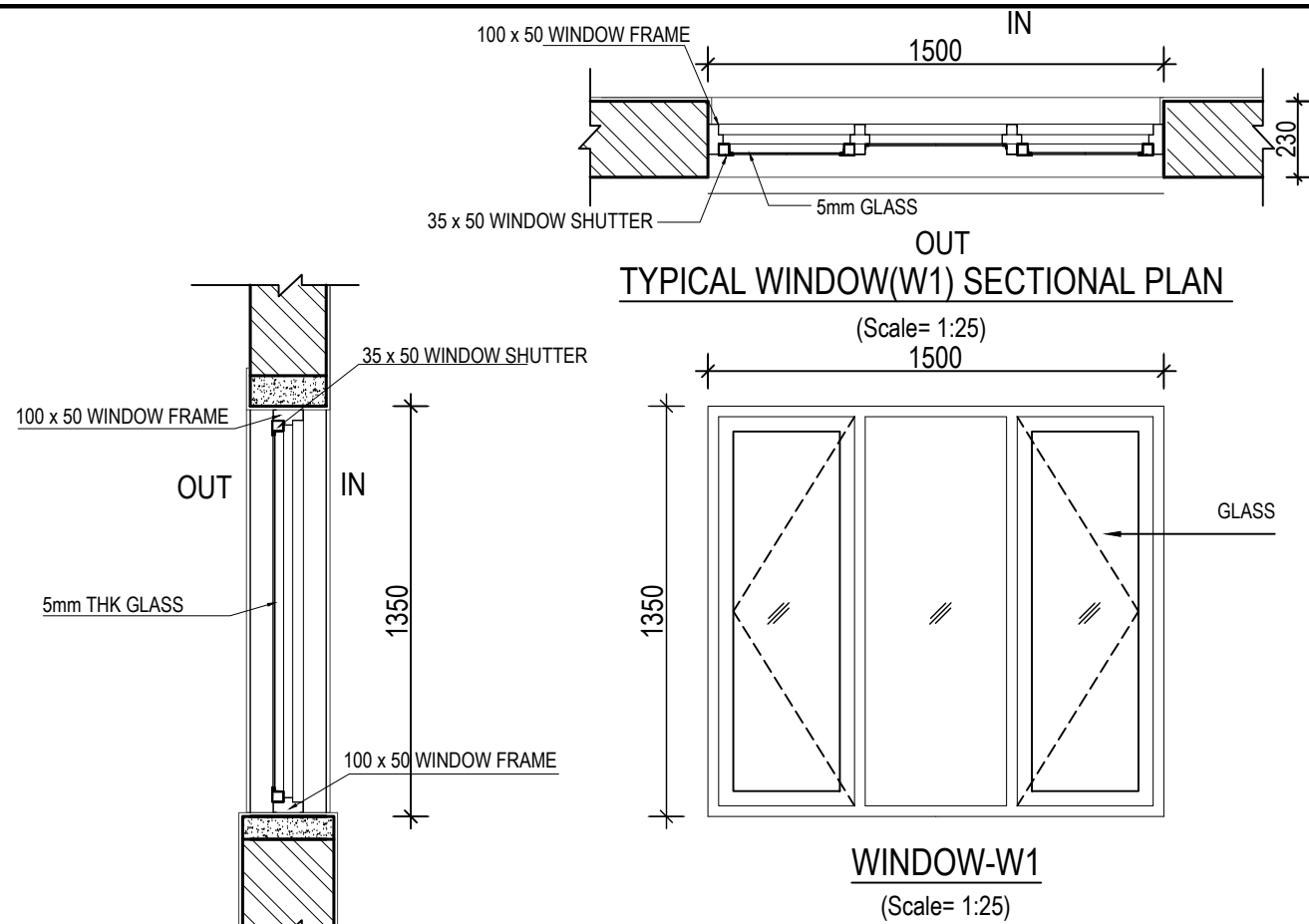
DETAIL AT A

Scale : 1:20



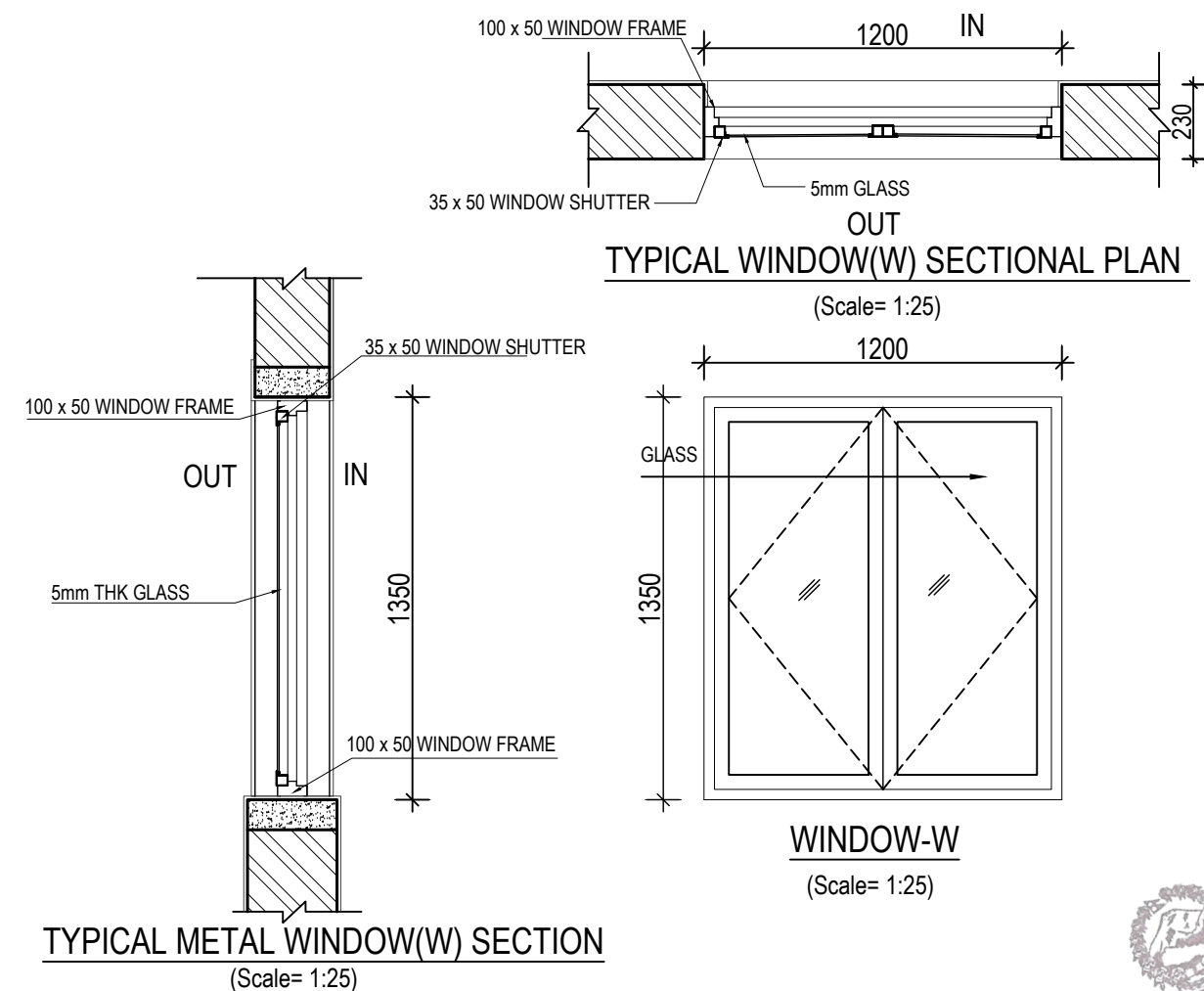
DRAIN PIPE DETAIL

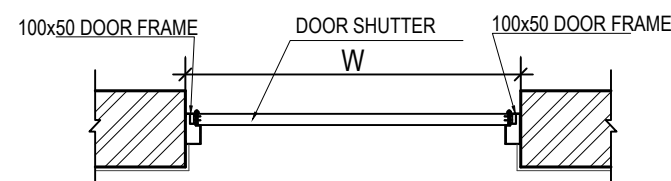
Scale : 1:50



DOORS & WINDOWS SCHEDULE:

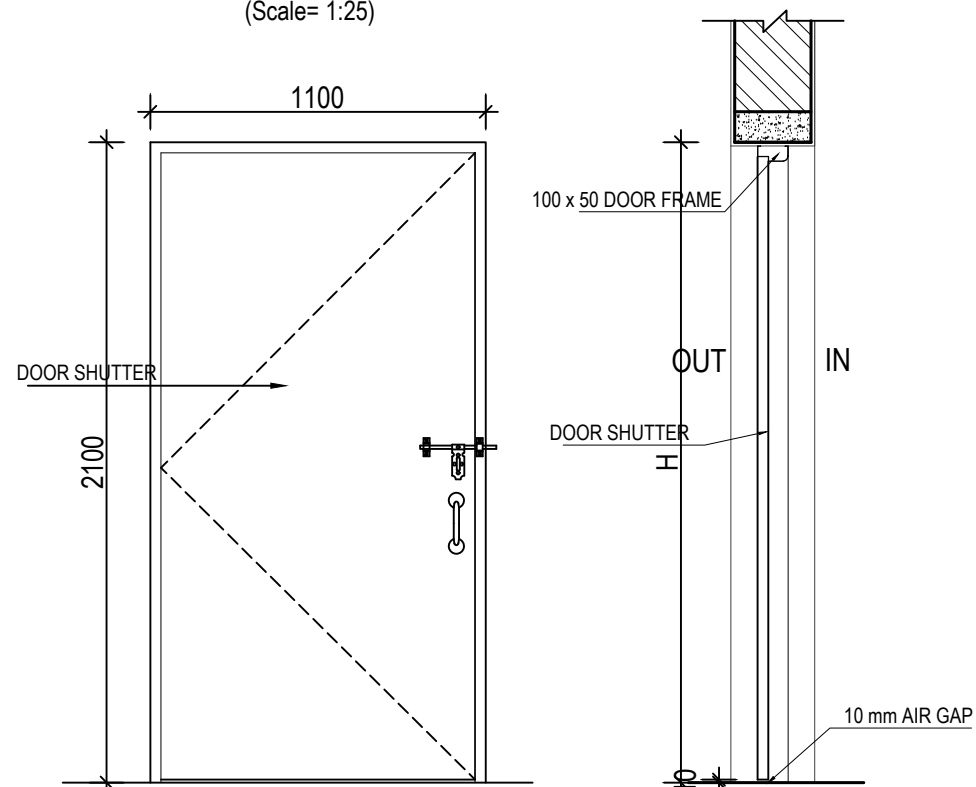
S.N.	SYMBOL	SIZES	G.F.	F.F.	S.F.	TOTAL
1.	W	1200 x 1350	6	6	-	12
2.	W1	1500 x 1350	8	8	-	16
3.	W2	1500 x 1100	1	1	-	2
4.	D	1100 x 2100	4	4	-	8
5.	D1	900 x 2100	4	4	1	9
TOTAL			23	23	1	47





TYPICAL METAL DOOR SECTIONAL PLAN

(Scale= 1:25)

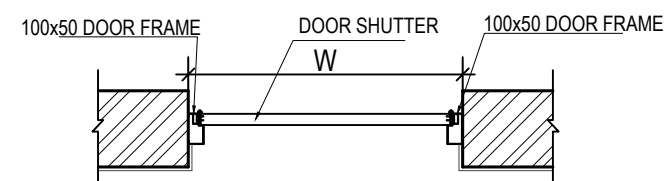


DOOR-D

(Scale= 1:25)

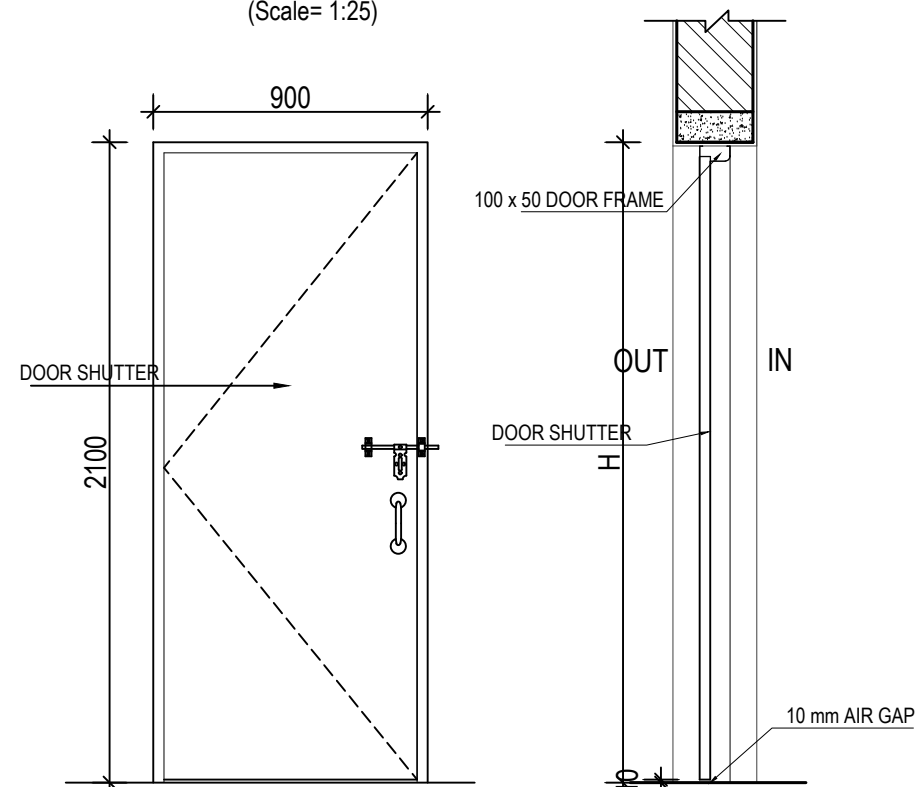
TYPICAL METAL DOOR
SECTIONAL ELEVATION

(Scale= 1:25)



TYPICAL METAL DOOR SECTIONAL PLAN

(Scale= 1:25)

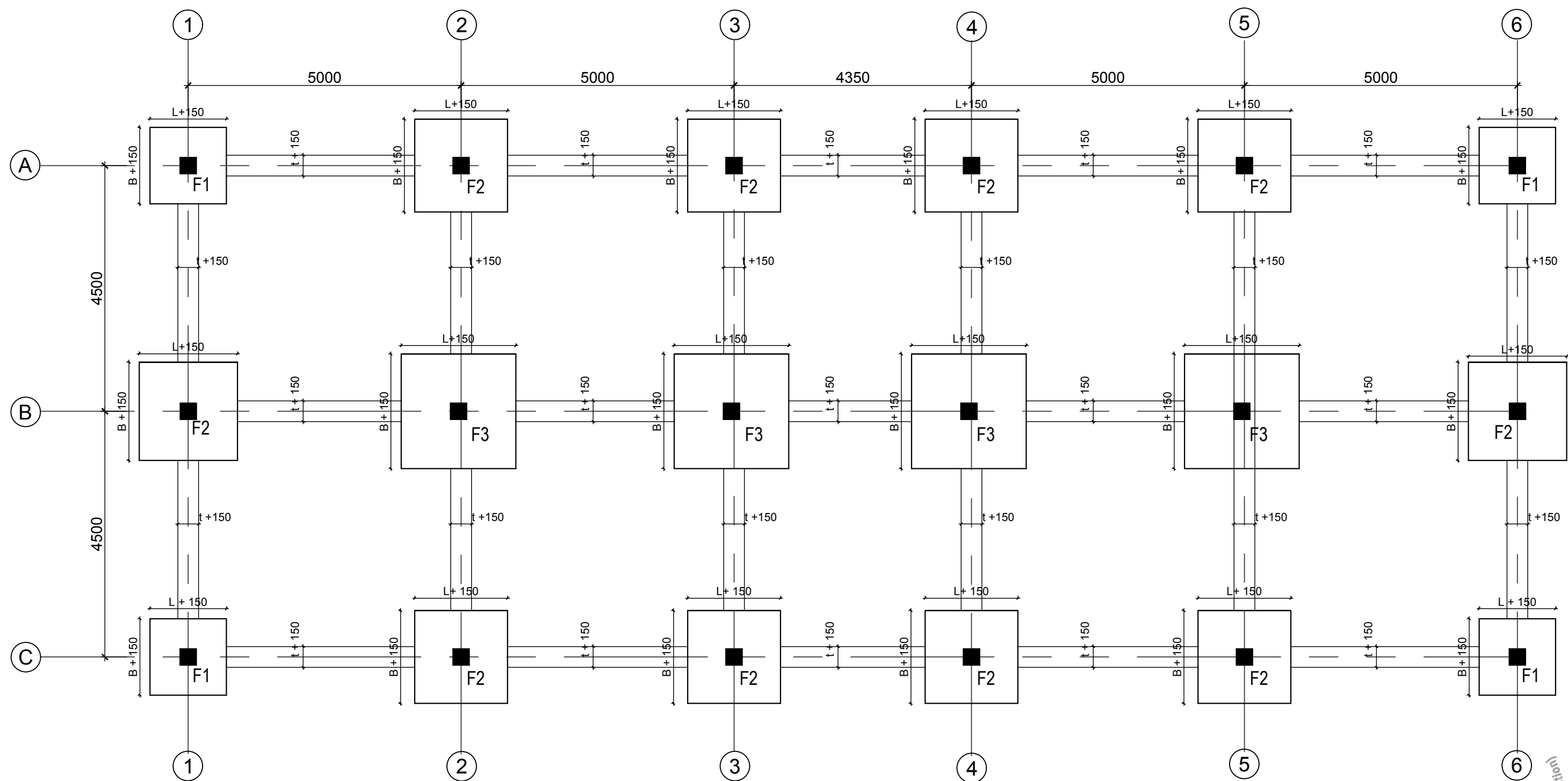


DOOR-D1

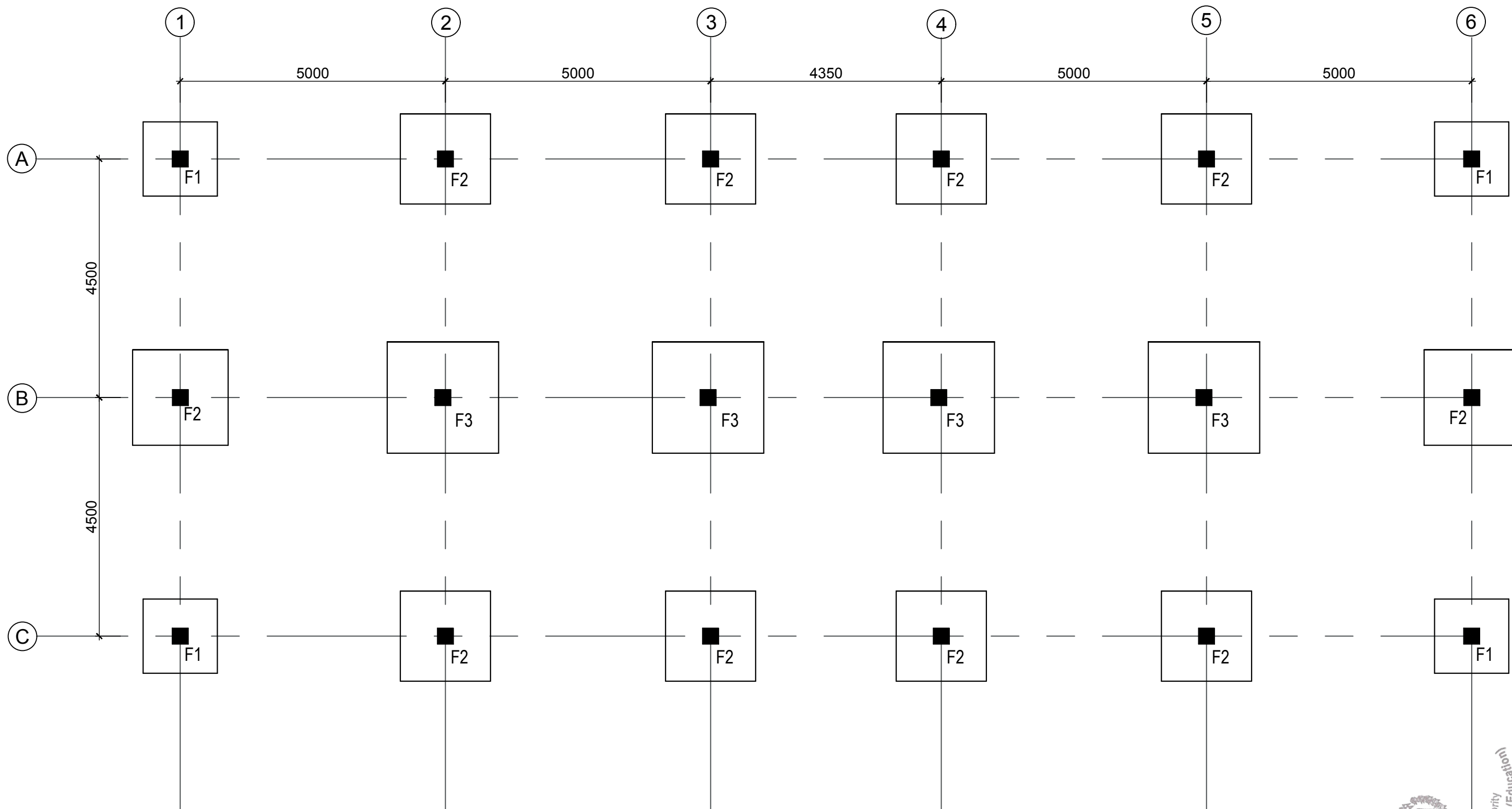
(Scale= 1:25)

TYPICAL METAL DOOR
SECTIONAL ELEVATION

(Scale= 1:25)

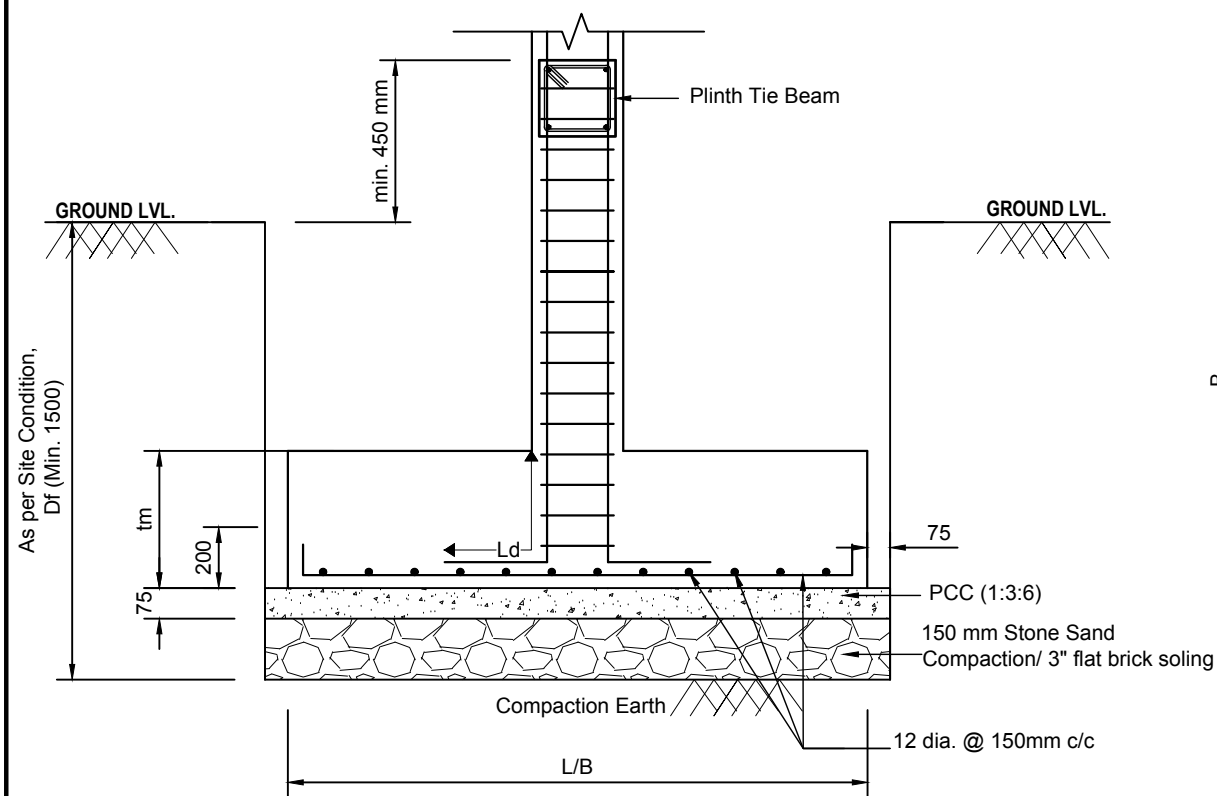


EXCAVATION PLAN

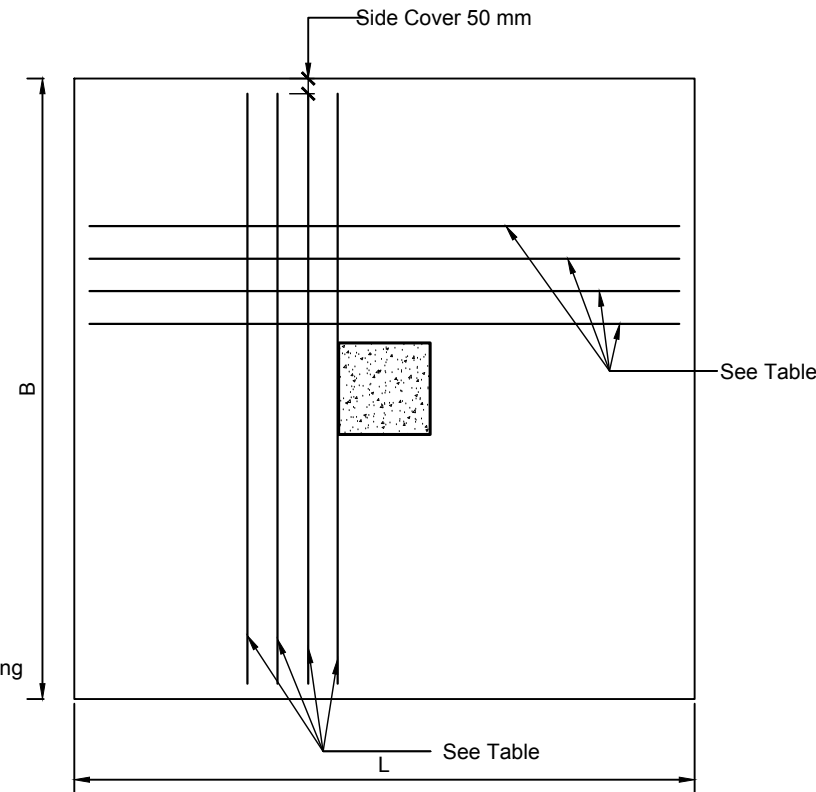


FOUNDATION PLAN

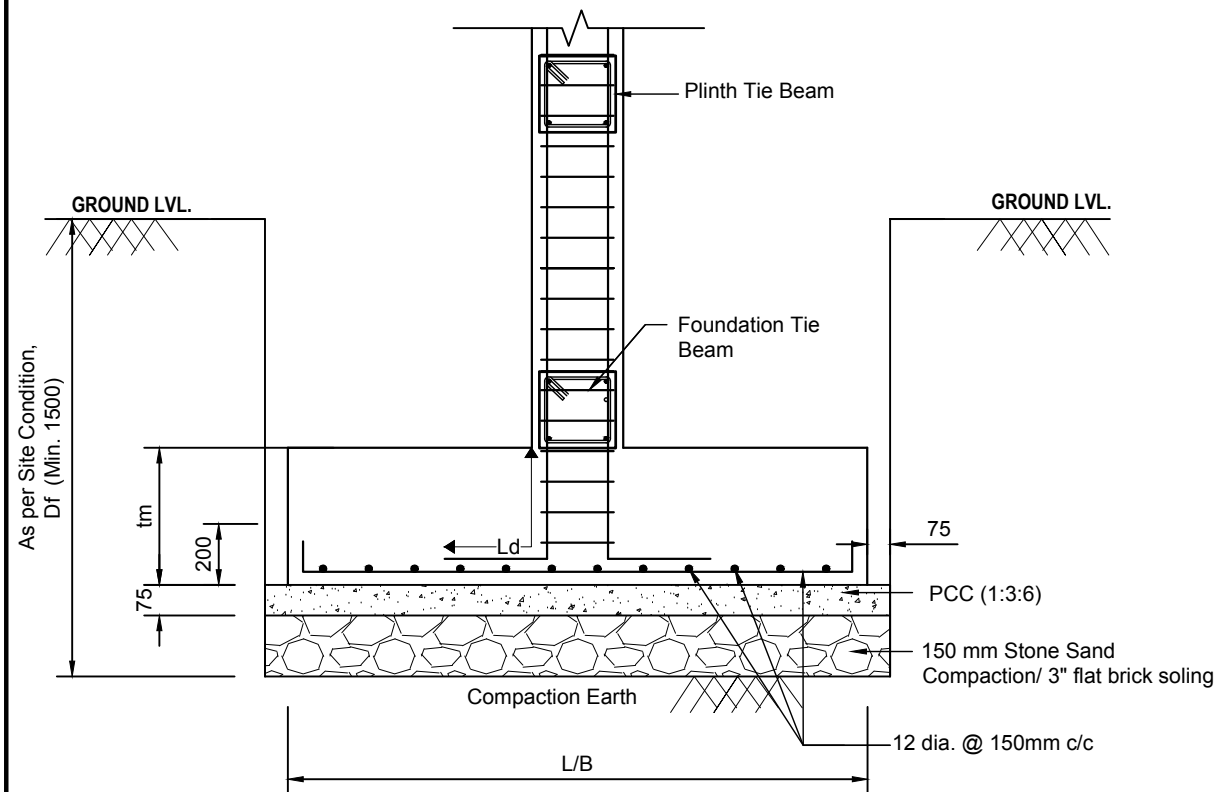




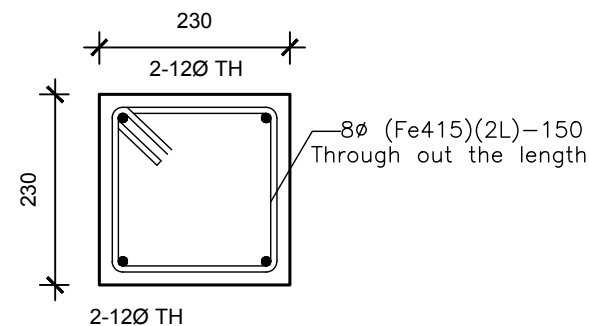
FOOTING SECTION WITH PLINTH BEAM
For Hard and Medium soil



FOOTING PLAN

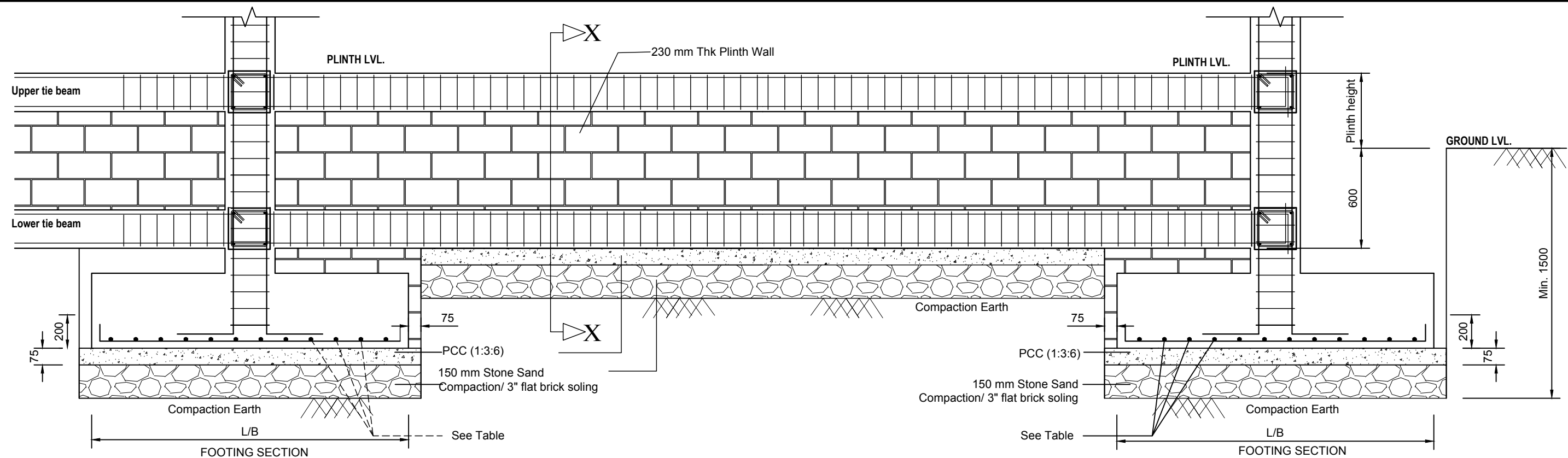


FOOTING SECTION WITH PLINTH BEAM AND FOUNDATION BEAM



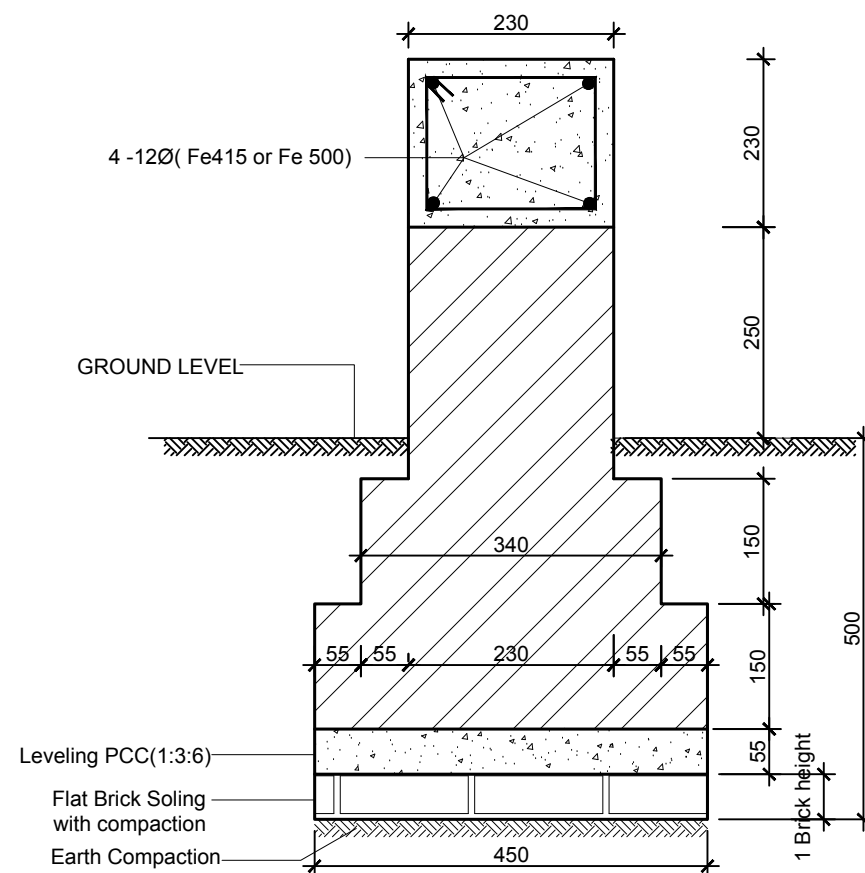
PLINTH AND FOUNDATION TIE BEAM

PAD FOUNDATION SIZE FOR WEAK SOIL (Safe bearing capacity = 50 KN/m ²)				
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/m ²)				
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/m ²)				
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/m ²)				
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

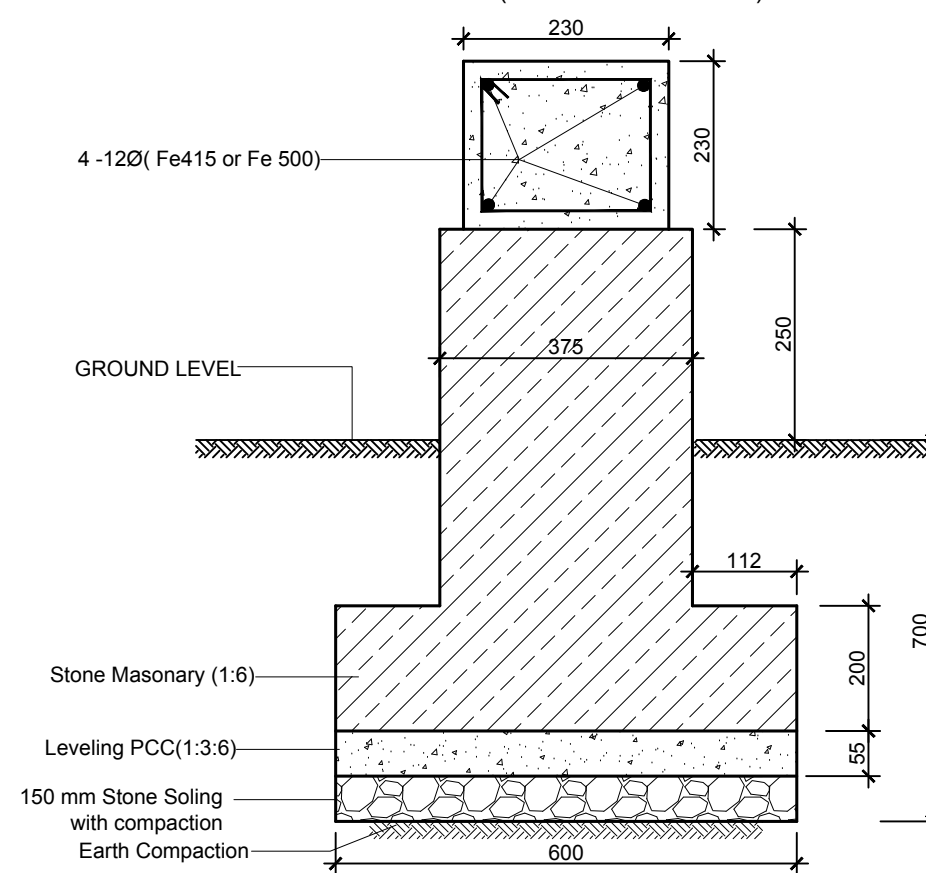


ELEVATION SHOWING FOOTING , LOWER TIE BEAM , UPPER TIE BEAM AND PLINTH WALL

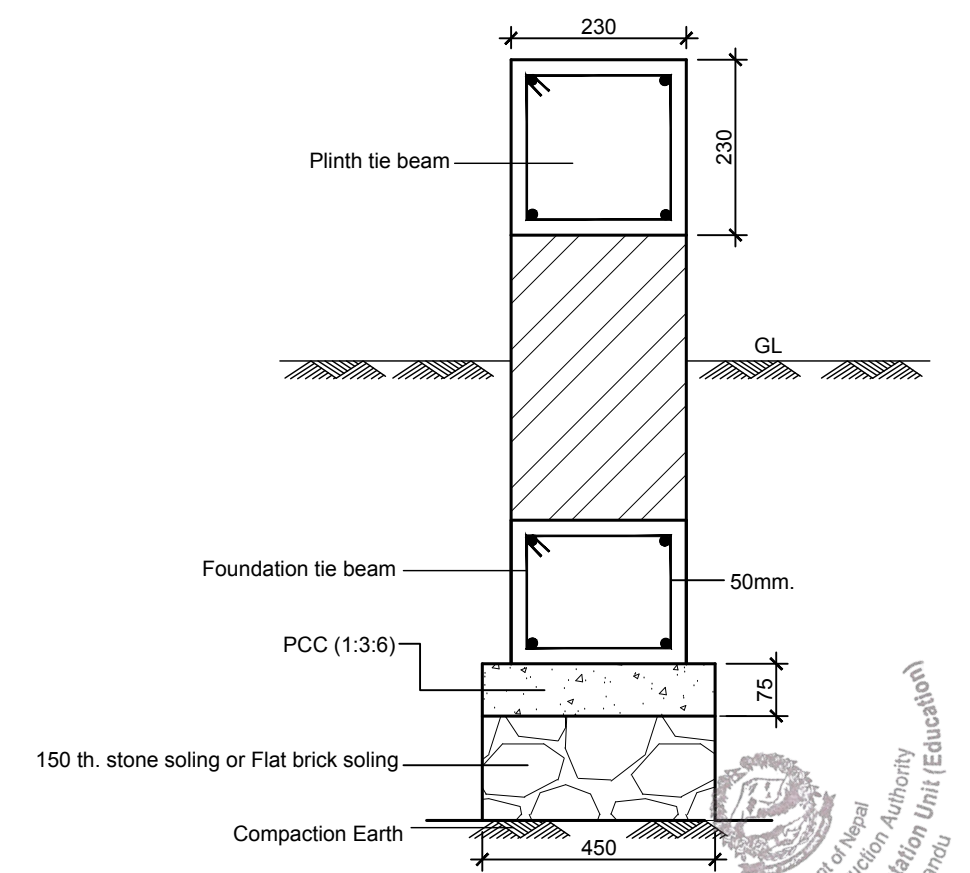
(For soft and weak soil)



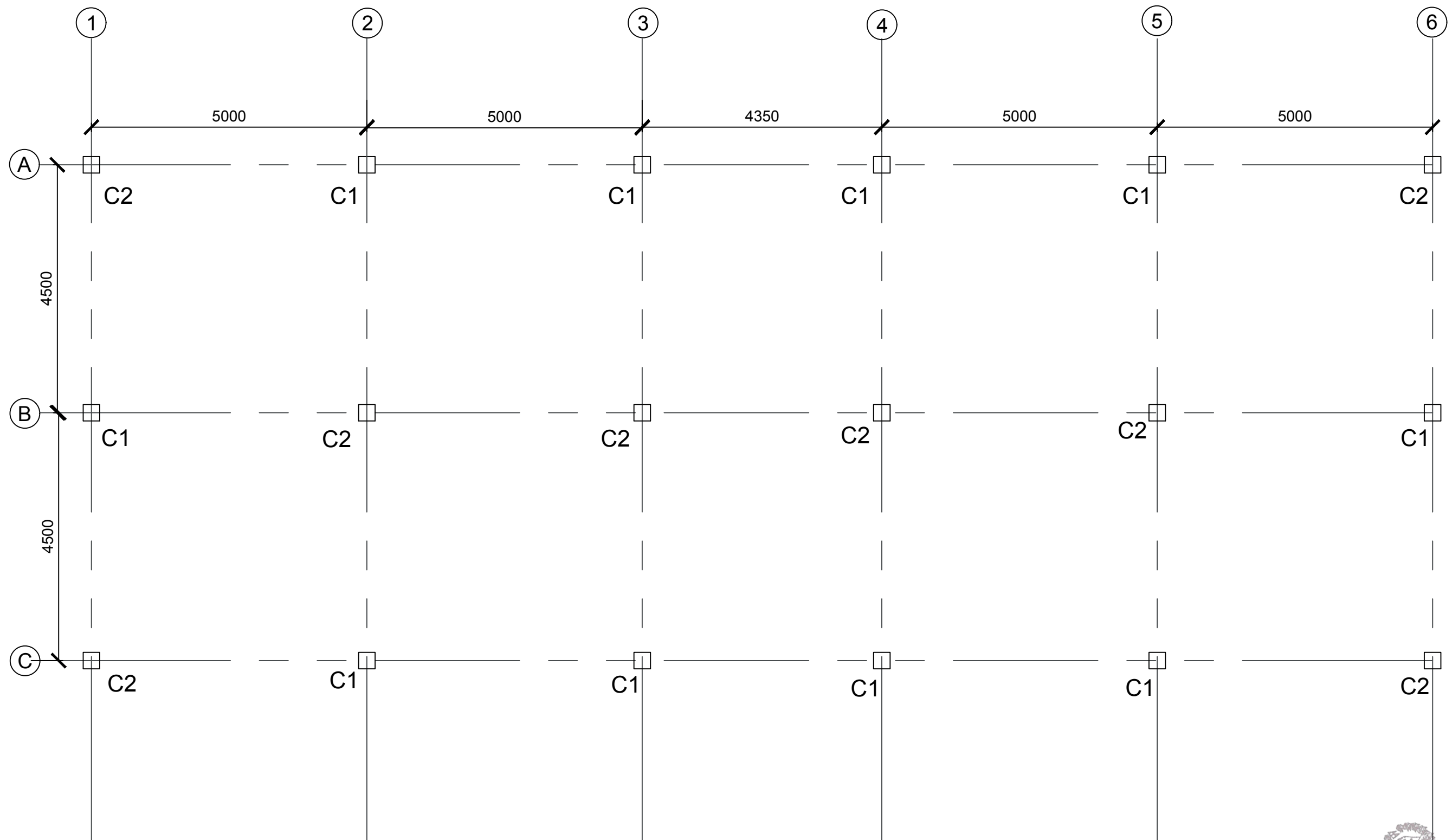
BRICK MASONRY TOE WALL



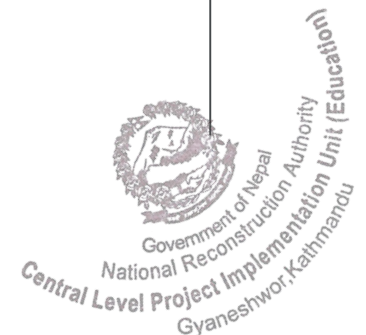
STONE MASONRY TOE WALL



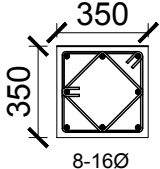
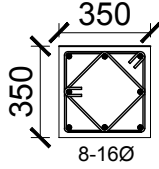
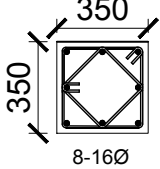
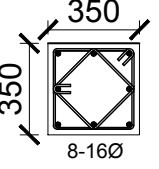
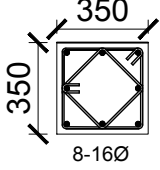
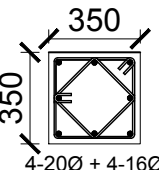
SECTION AT X-X

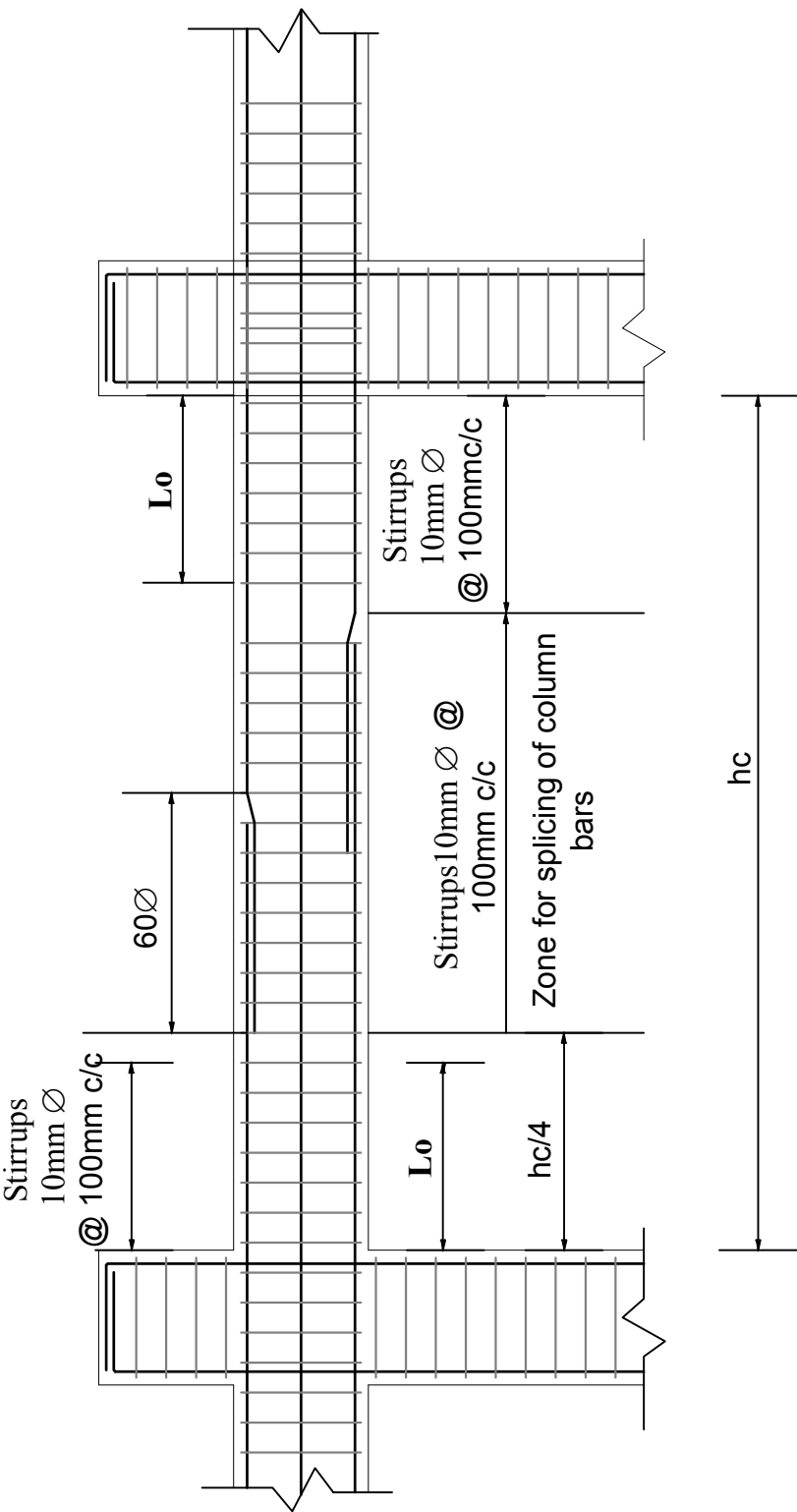


COLUMN PLAN



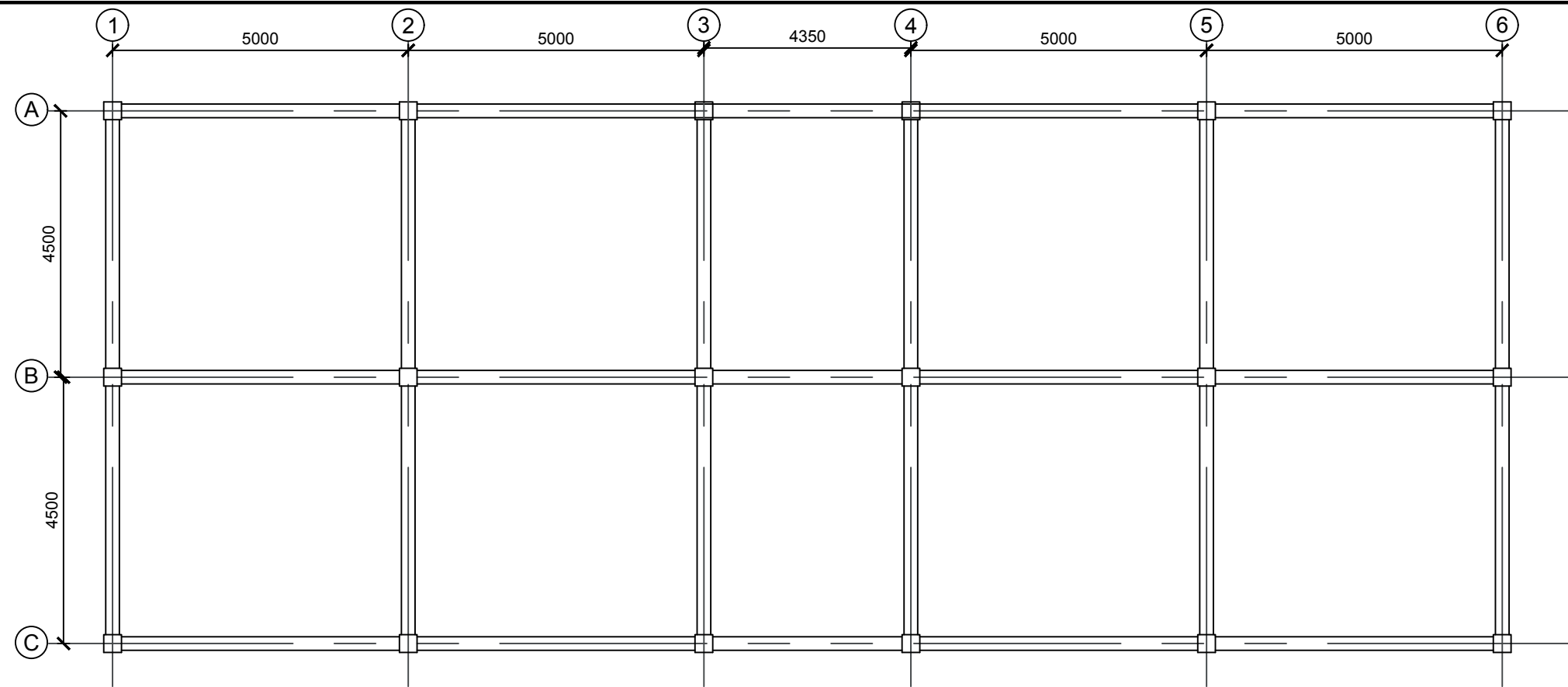
COLUMN SIZE AND REINFORCEMENT

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



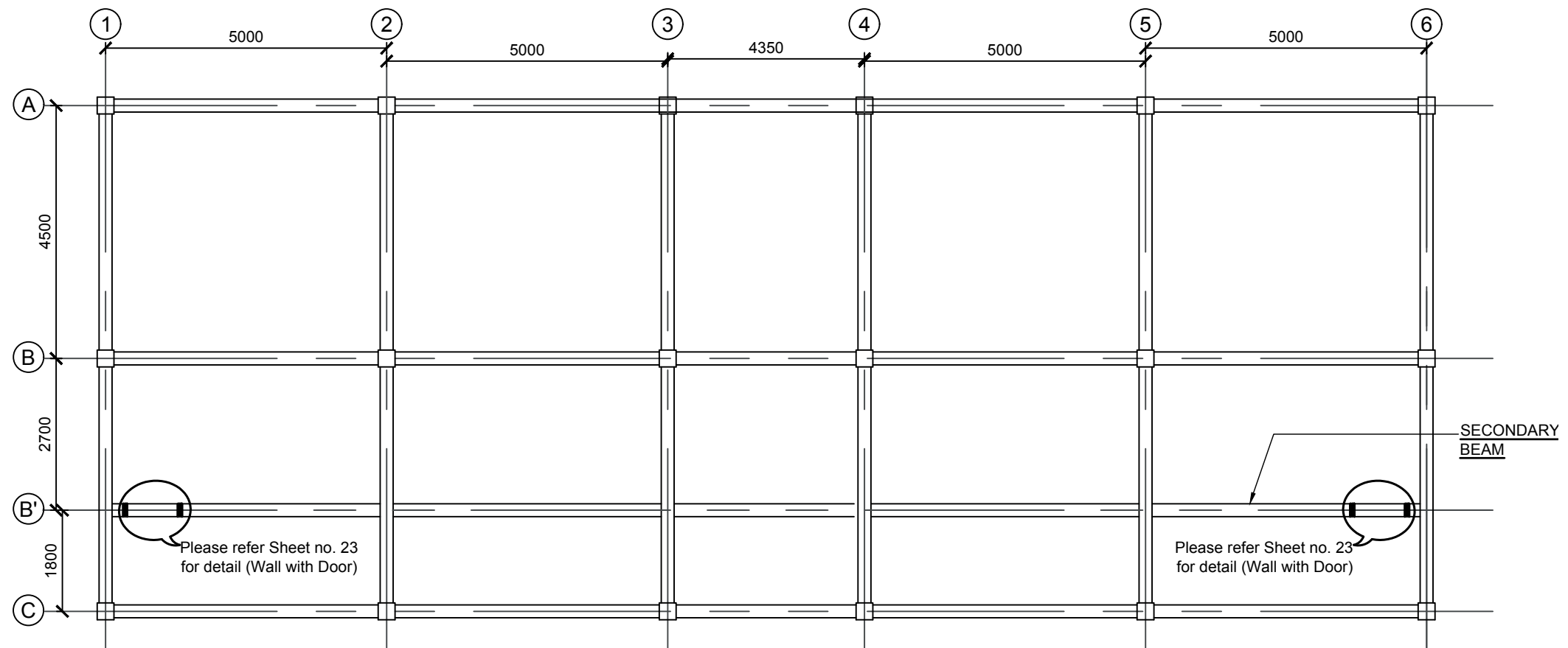
L-SECTION OF COLUMN WITH LAPPING





FOUNDATION TIE BEAM PLAN

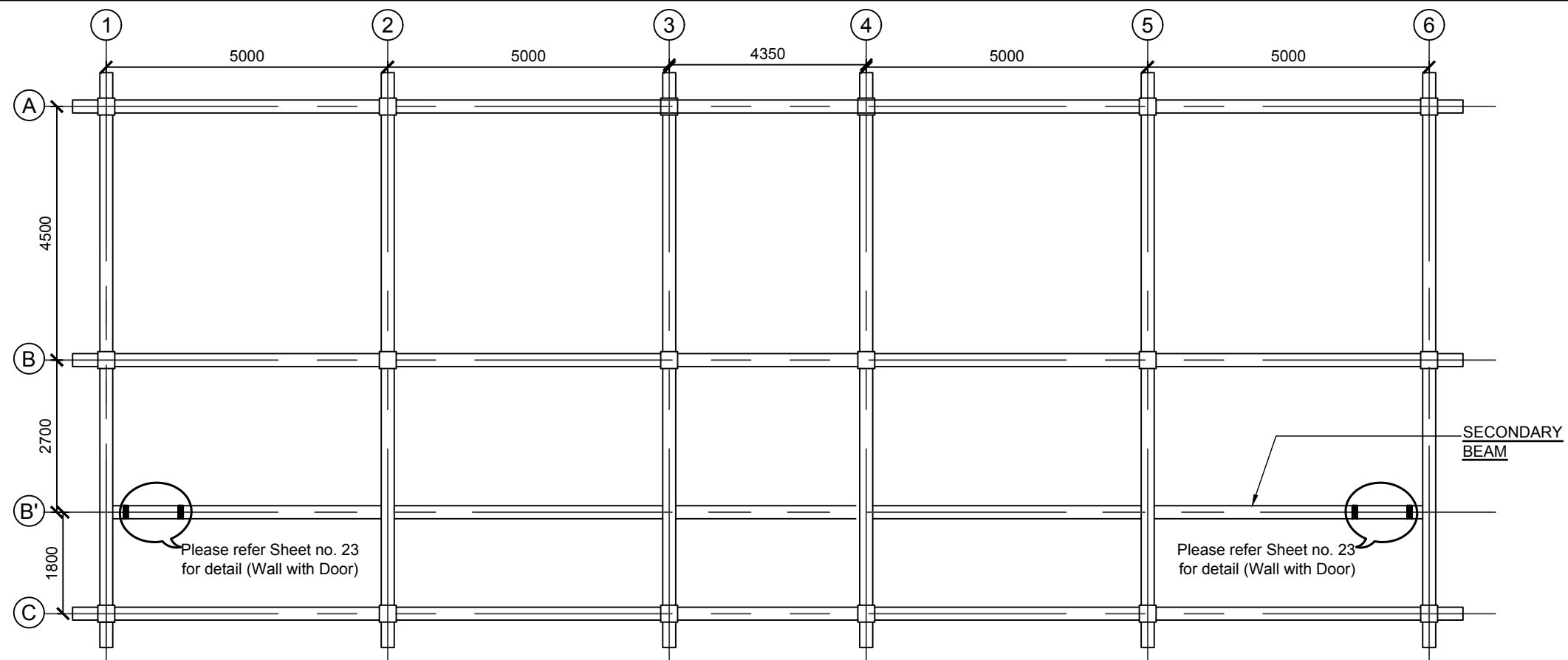
(Beam size 230x230)



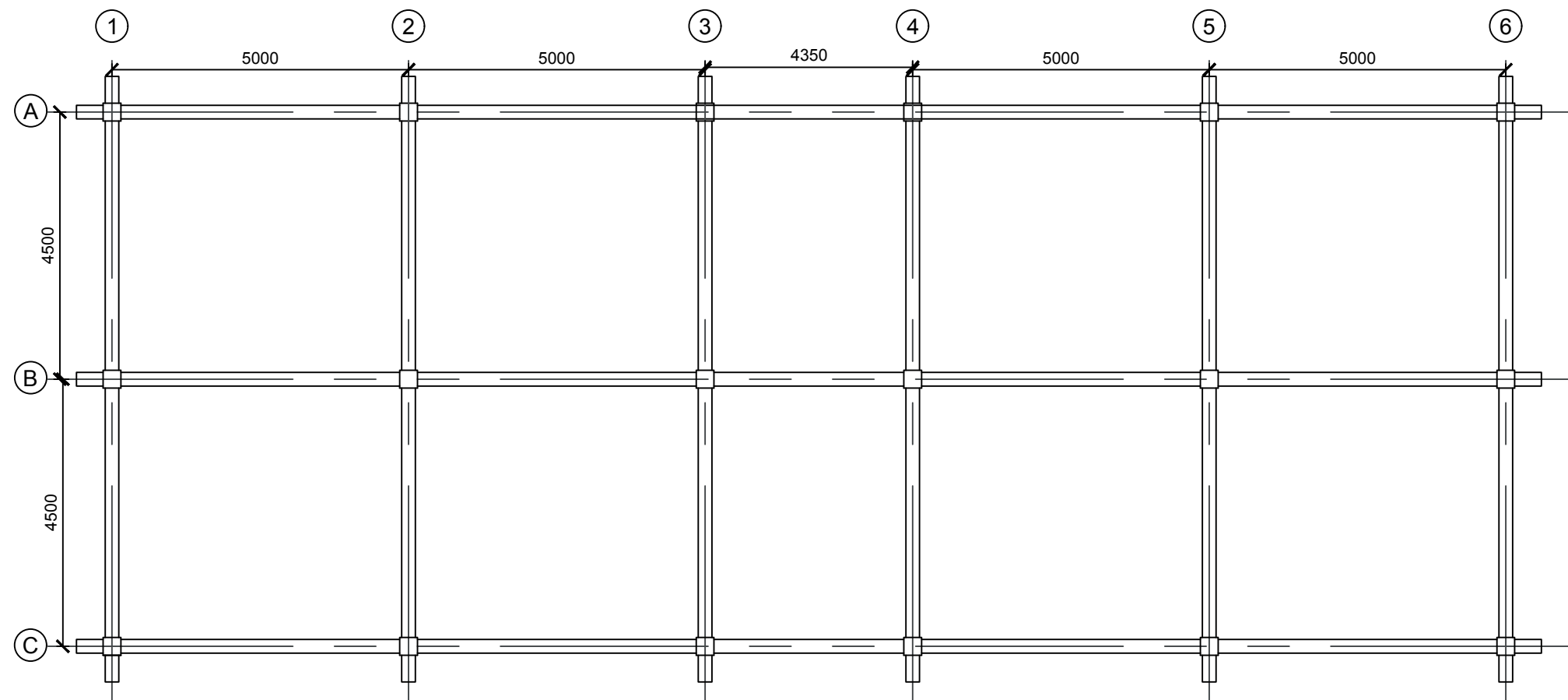
PLINTH BEAM PLAN

(Beam size 230x230)



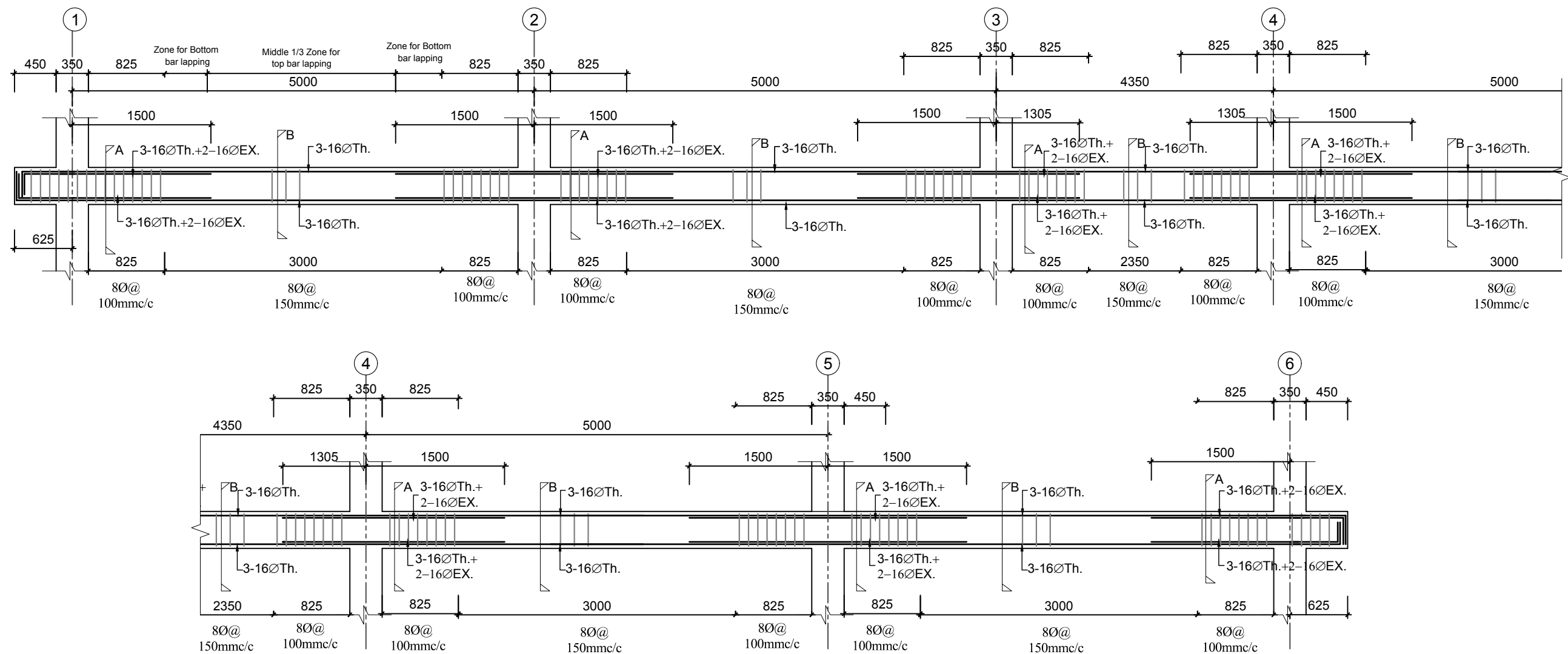


BEAM PLAN(First Floor)

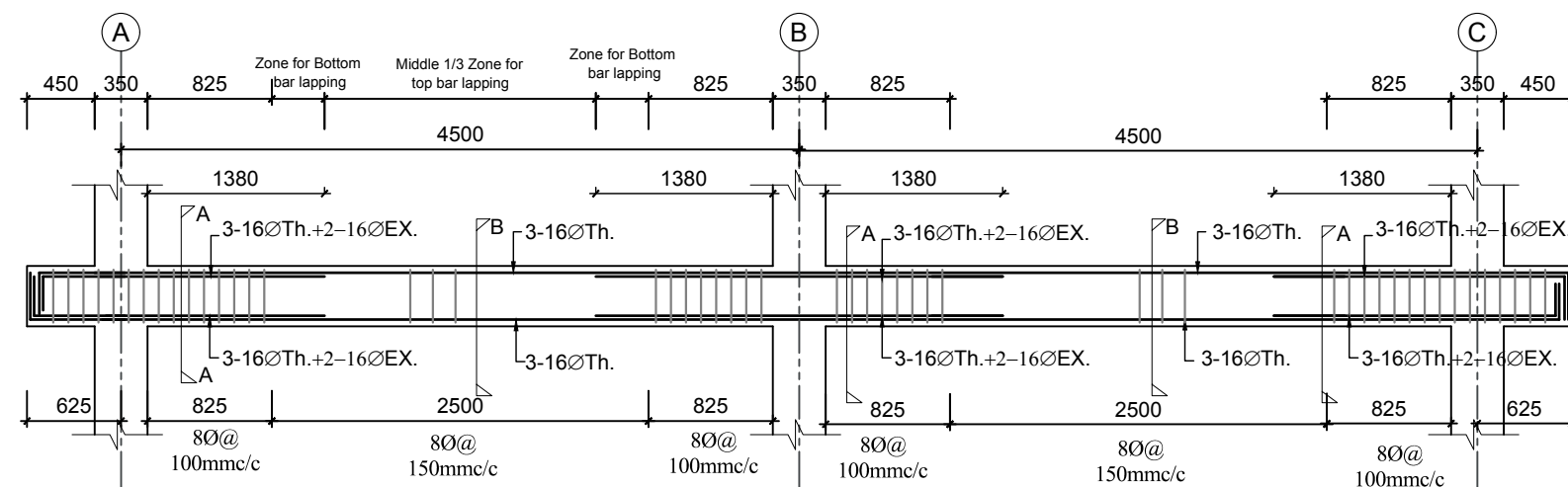


BEAM PLAN(Second Floor)

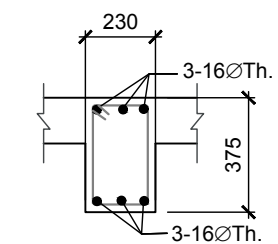




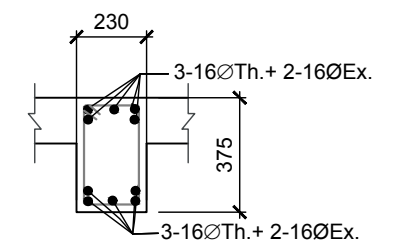
First Floor beam along grid A,B,C



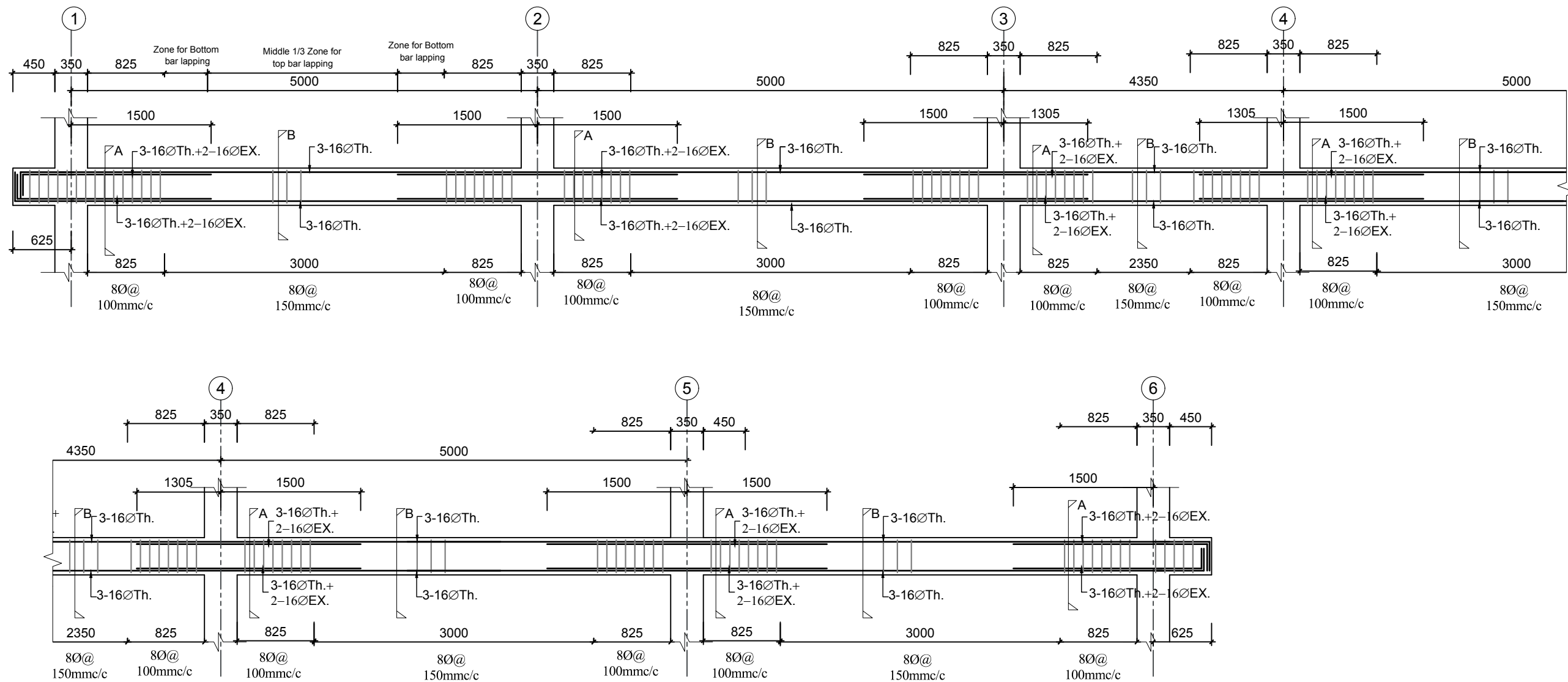
First floor beam along grid 1,2,3,4



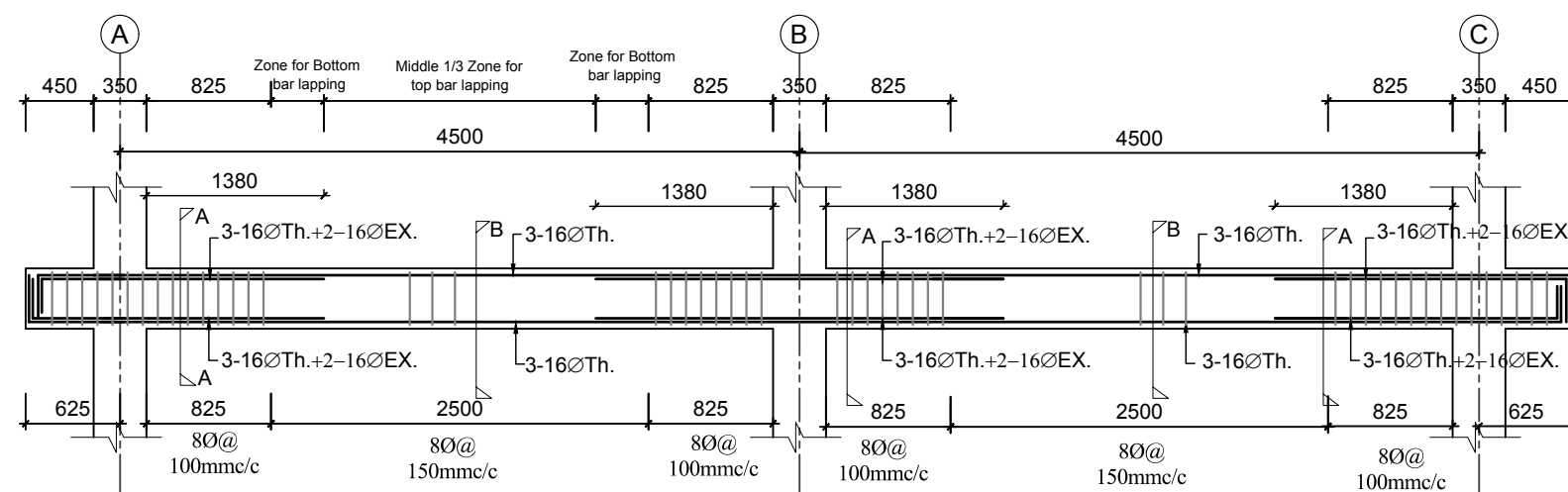
Section at B-B



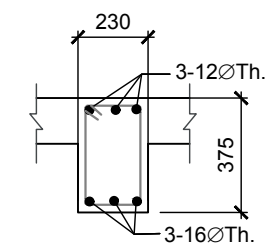
Section at A-A



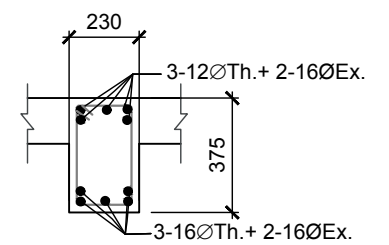
Second floor beam along grid A,B,C
Scale : 1:50



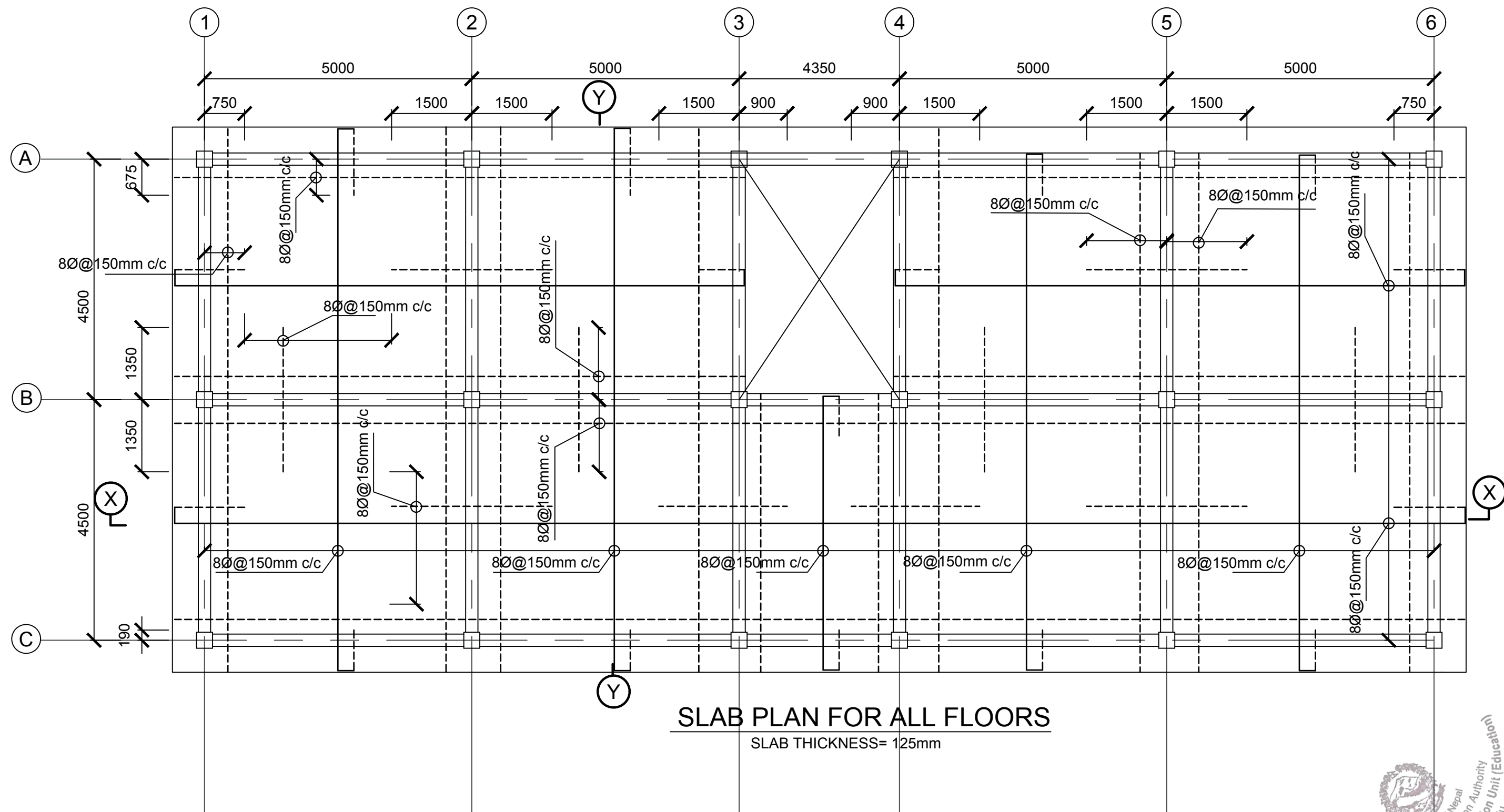
Second floor beam along grid 1,2,3,4
Scale : 1:50

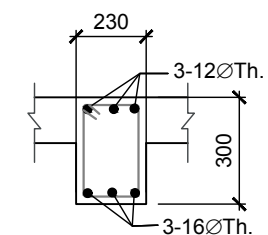
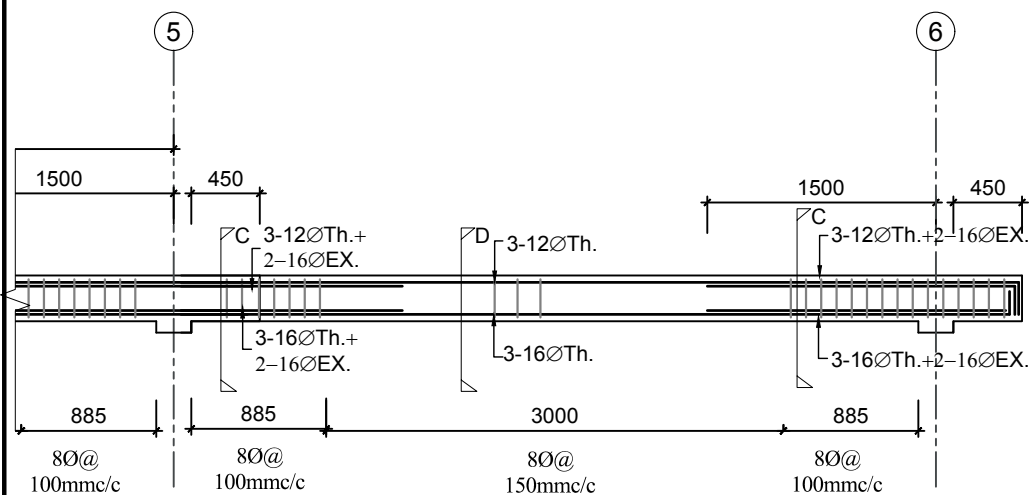
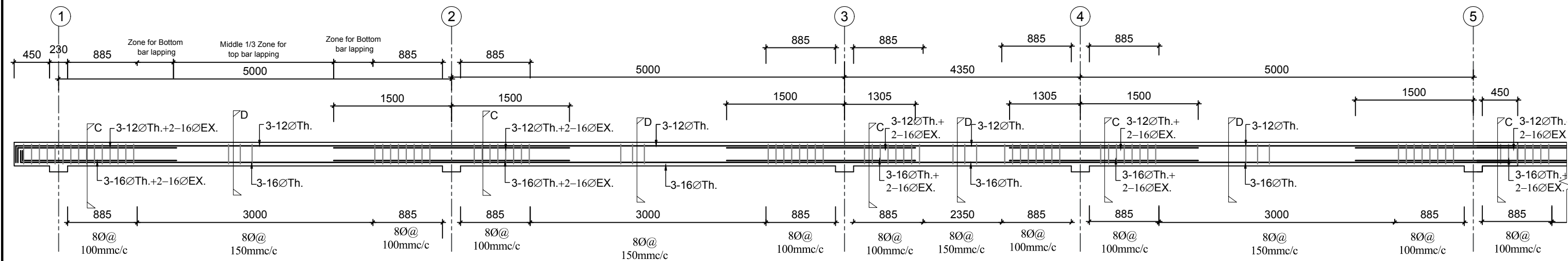


Section at B-B
Scale : 1:25

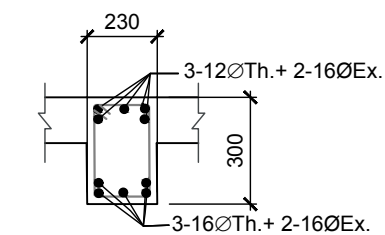


Section at A-A
Scale : 1:25

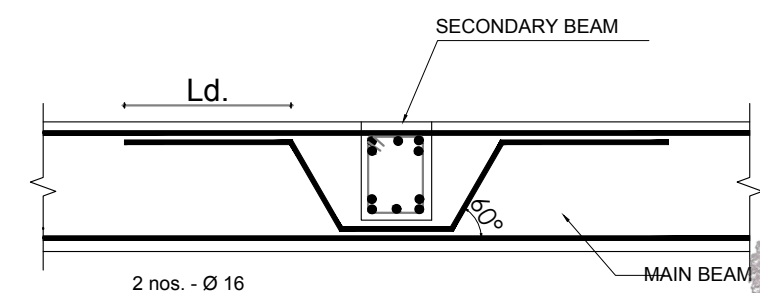
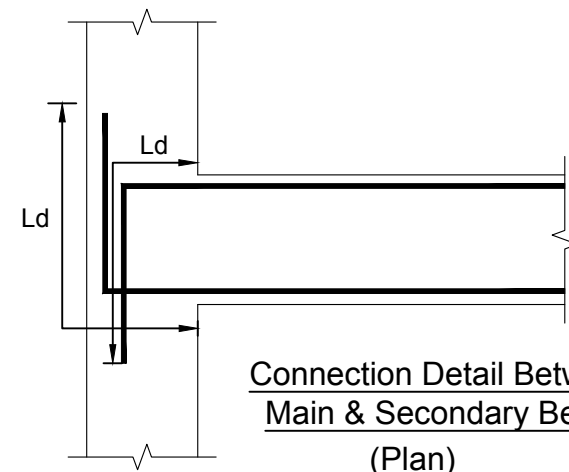




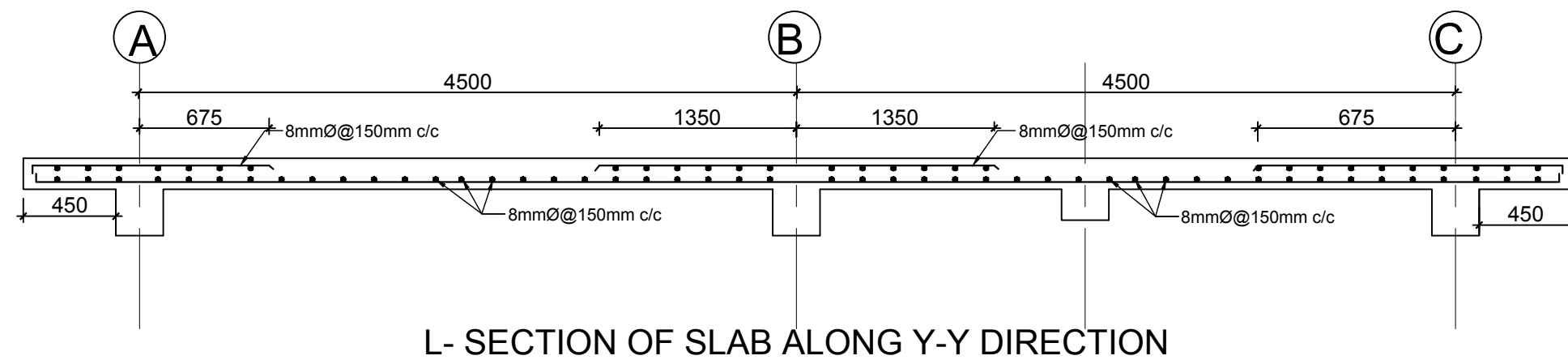
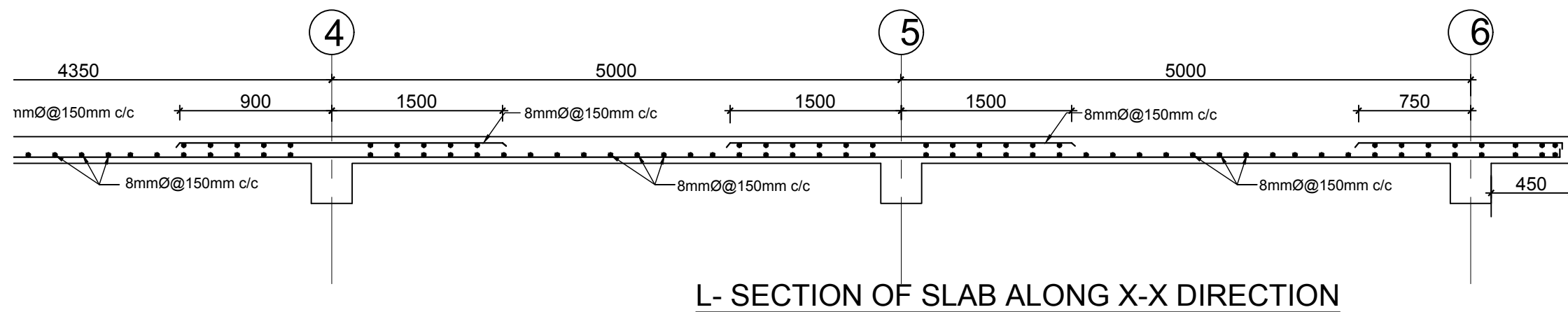
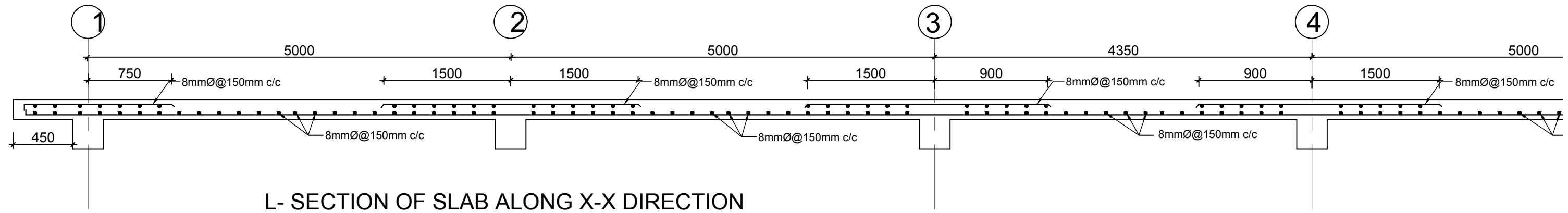
Section at D-D

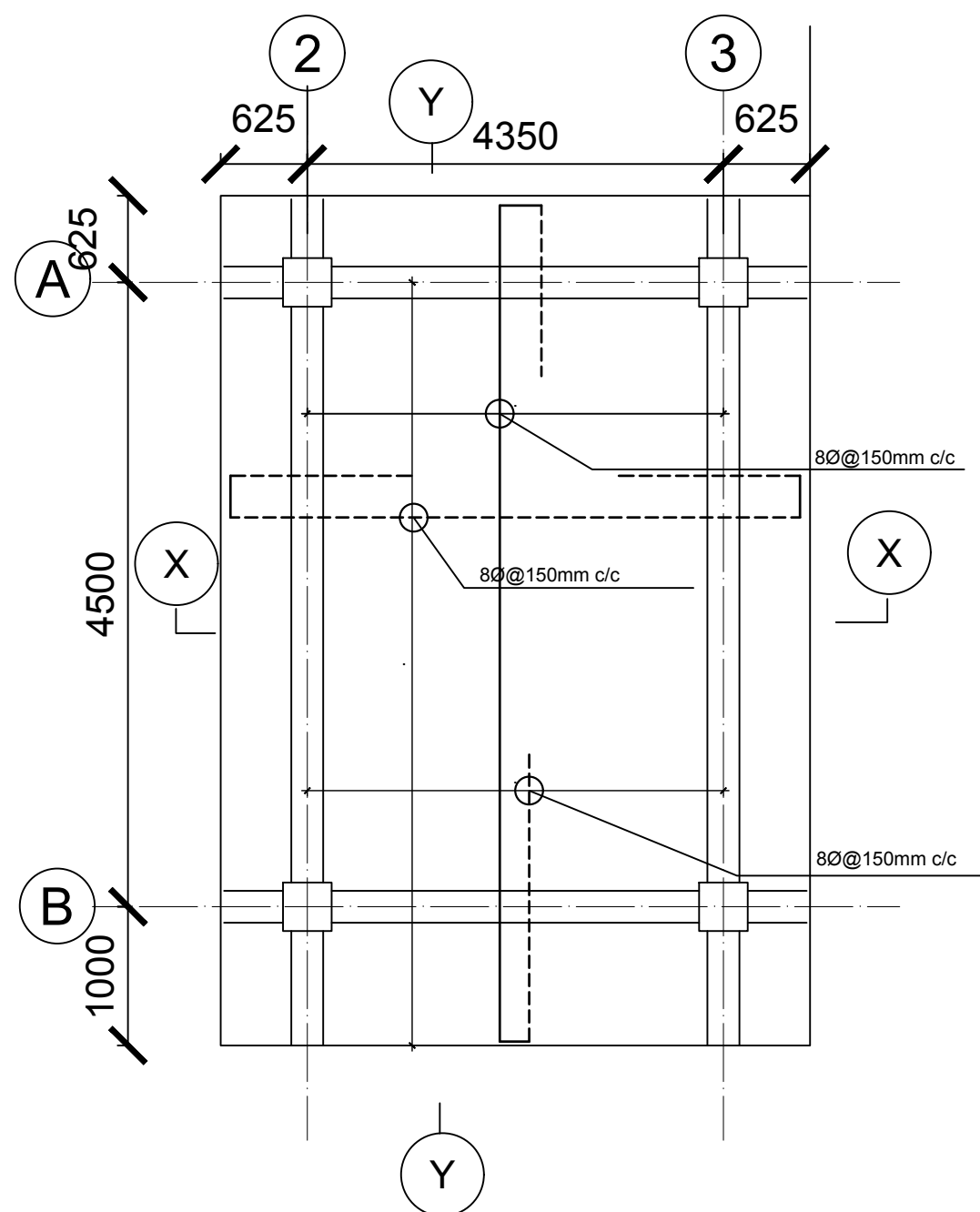


Section at C-C



Connection Detail Between Main & Secondary Beam
(Section)

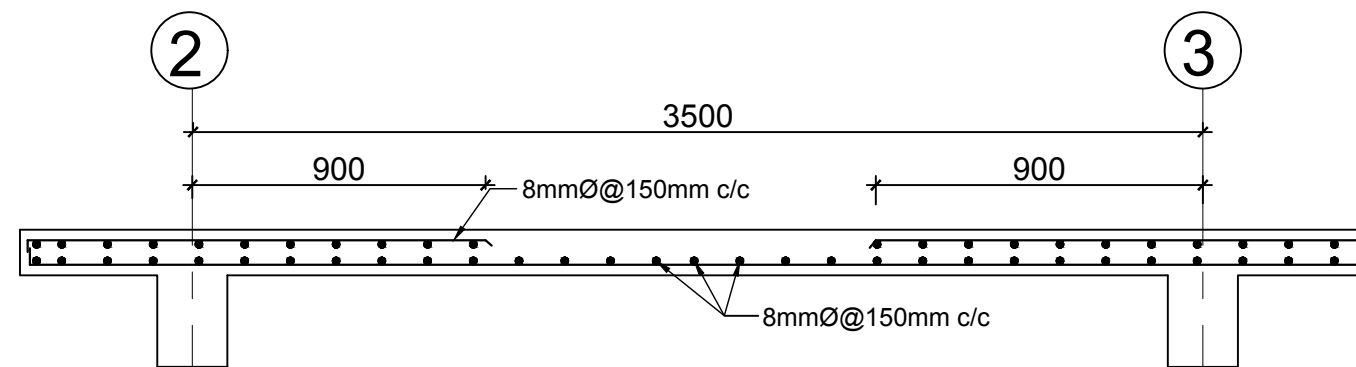




SLAB PLAN FOR STAIRCASE ROOF

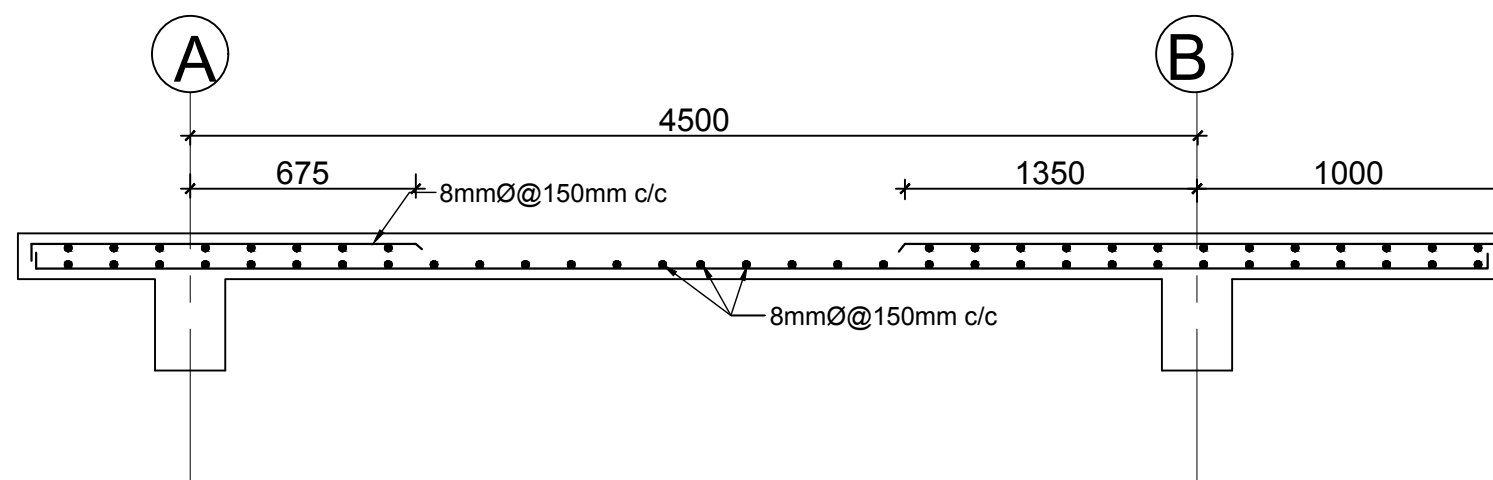
SLAB THICKNESS= 125mm

Scale : 1:50



L- SECTION OF SLAB ALONG X-X DIRECTION

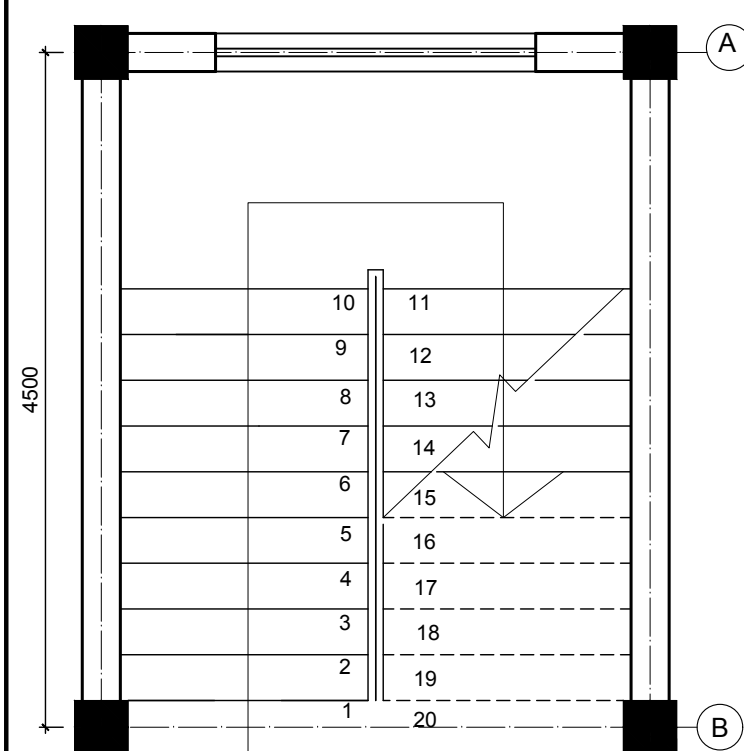
Scale : 1:25



L- SECTION OF SLAB ALONG Y-Y DIRECTION

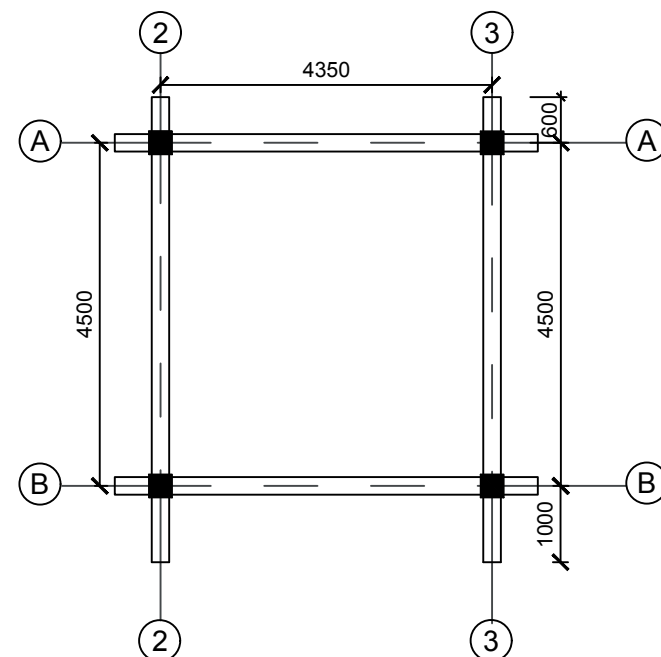
Scale : 1:25





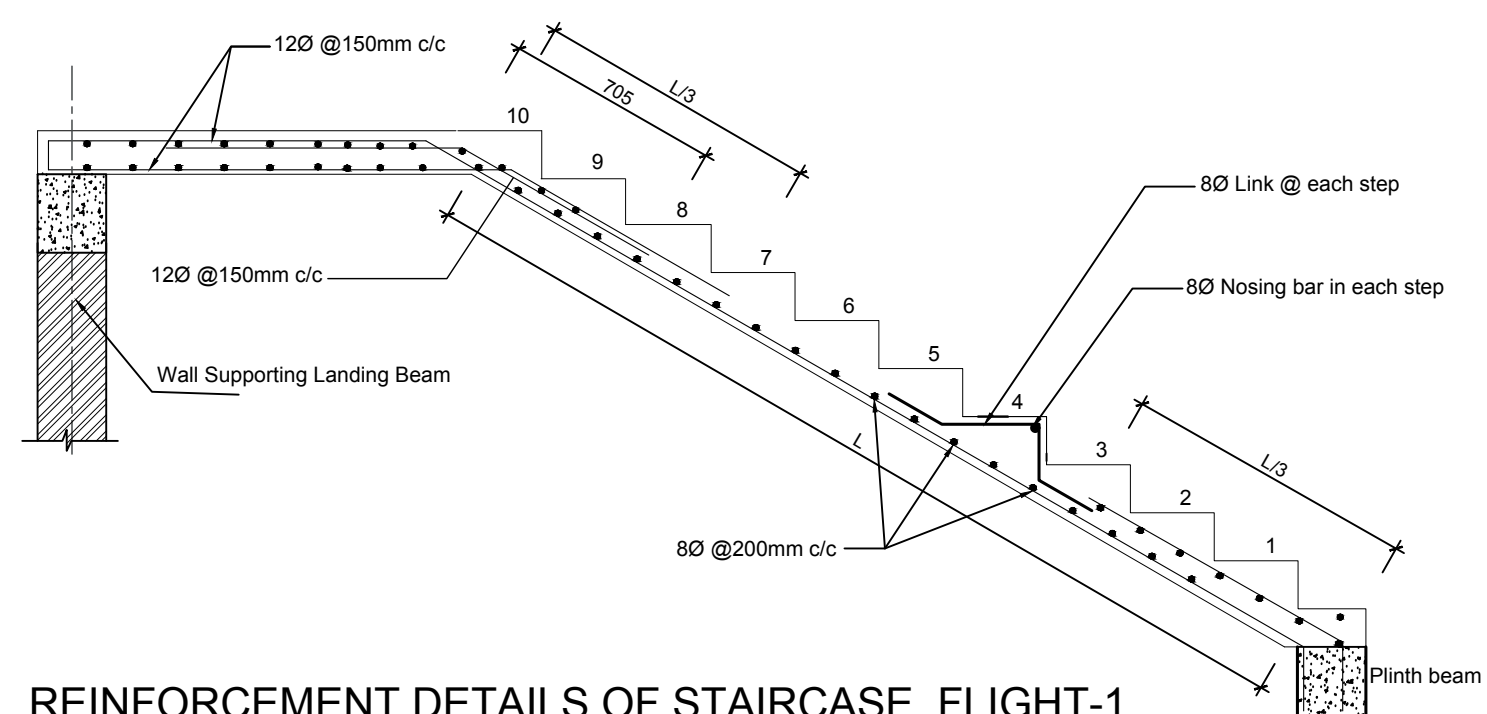
UP
Thickness Of Waist Slab = 150mm
Tread = 300 mm
Riser = 150mm

STAIRCASE PLAN
(SCALE - 1:50)



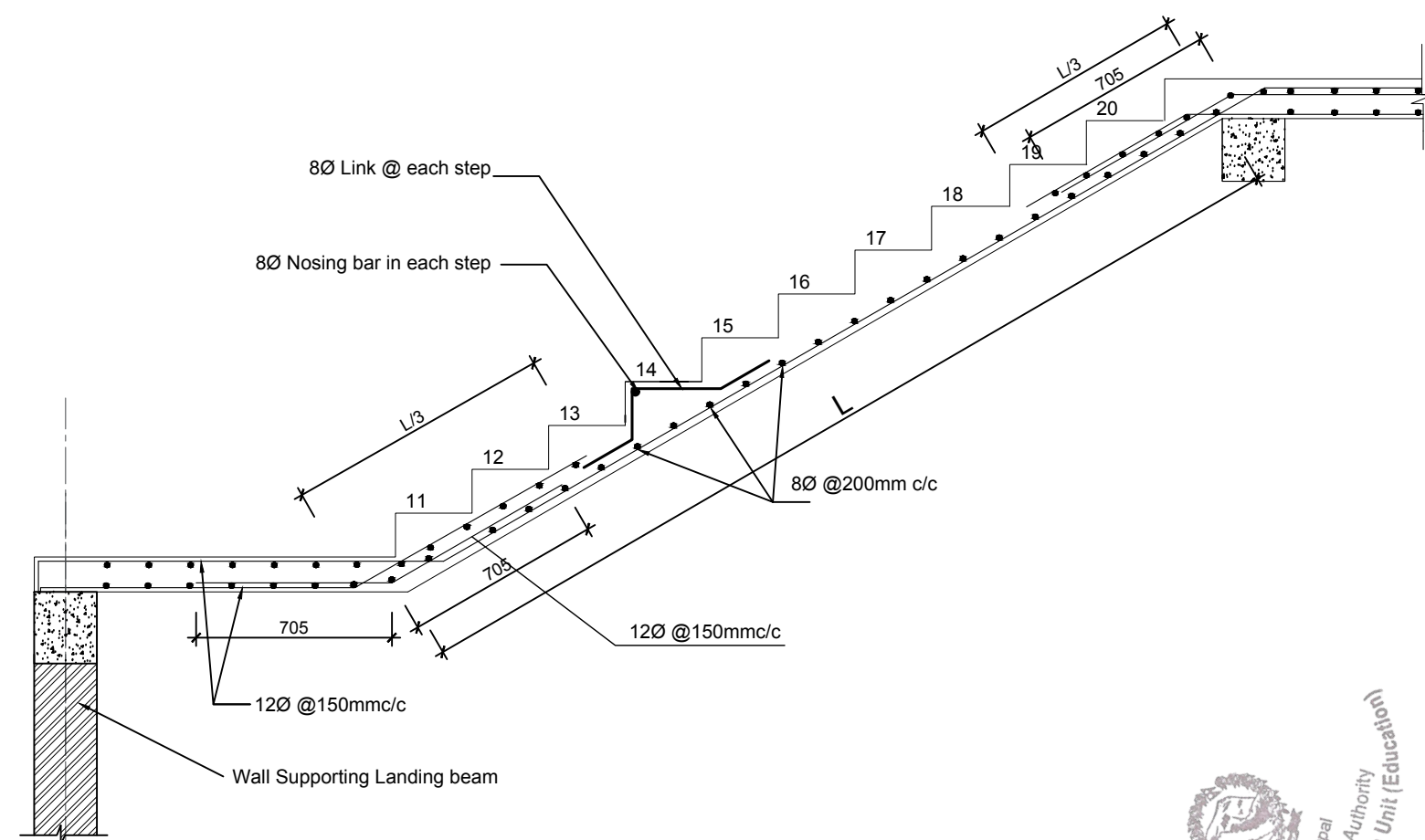
BEAM LAYOUT PLAN

(Staircase Roof Level)
(SCALE - 1:100)



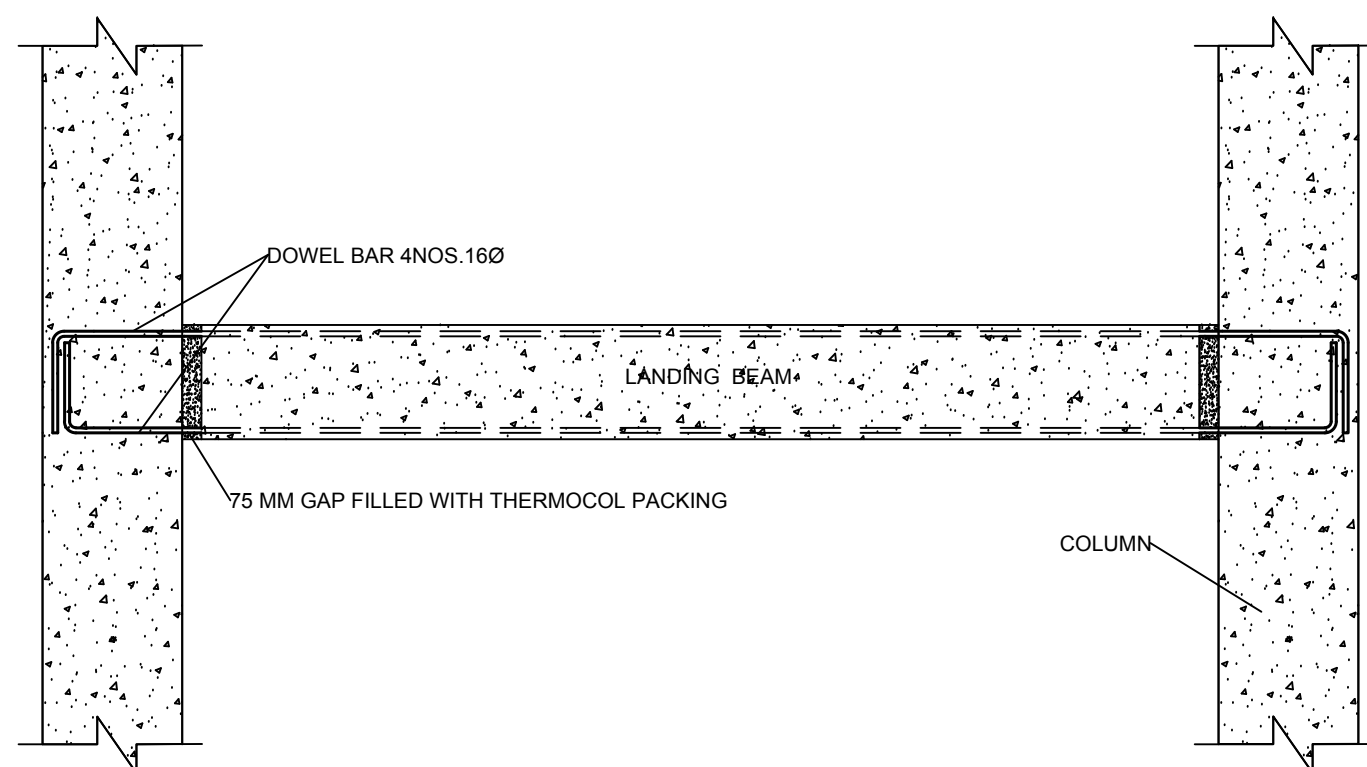
REINFORCEMENT DETAILS OF STAIRCASE FLIGHT-1

(SCALE - 1:25)



REINFORCEMENT DETAILS OF STAIRCASE FLIGHT-2

(SCALE - 1:25)



LANDING BEAM CONNECTION DETAIL

(SCALE - 1:30)

