



Design and planning for a major building project in Astana

Capstone Project II drawings
Bachelor of Engineering
(Civil Engineering)

Team members:

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Aizada Abuova
Ilyas Bakirov
Moldir Yeskaliyeva
Rollan Okpenov

Project adviser:

Professor Abid Nadeem

Prepared by DBM Group

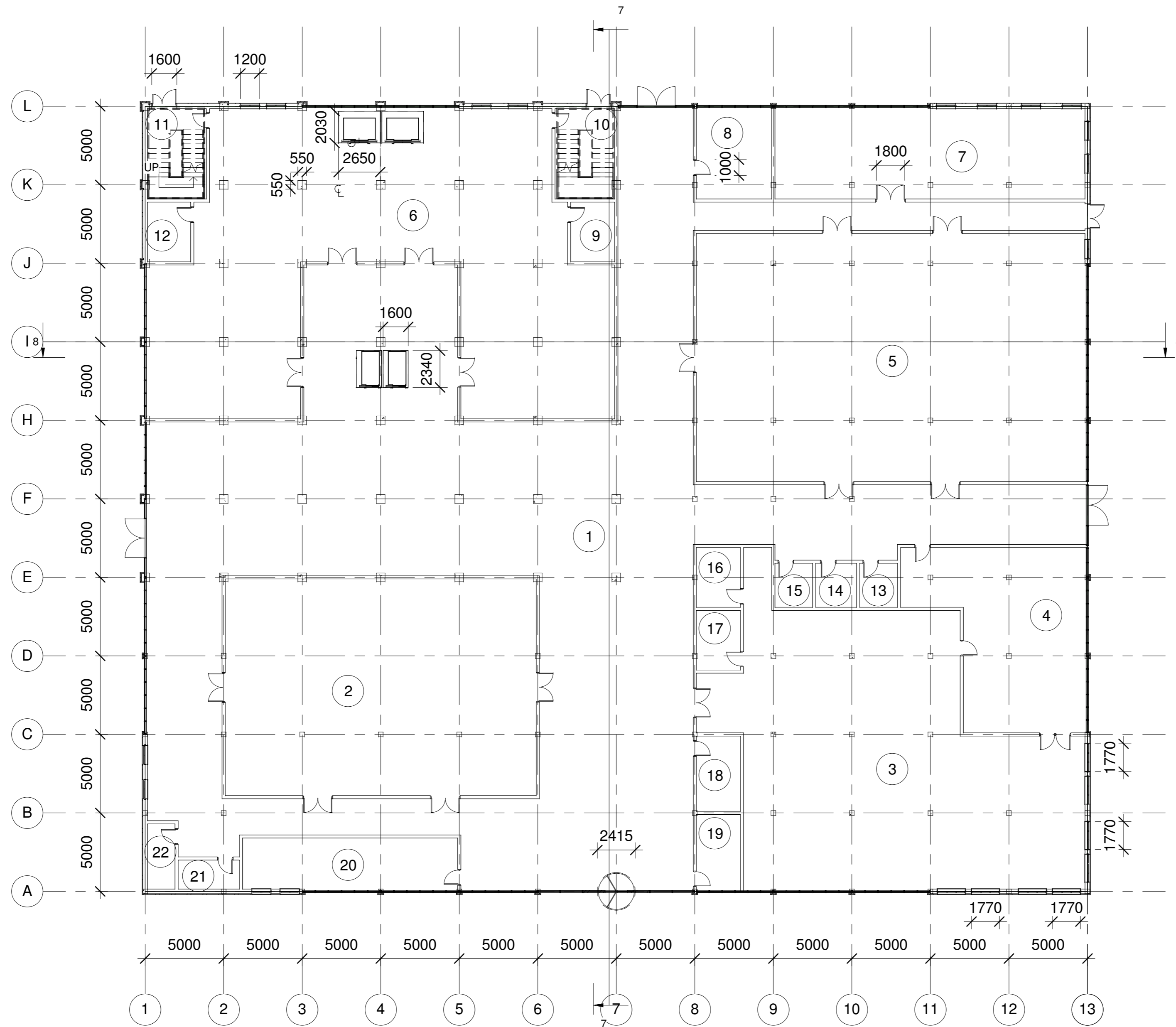


Astana, 2017



Premium Hotel	
Client:	DBM Group
Developer:	DBM Group
Supervisor:	Abid Nadeem
Designer:	Ilyas Bakirov
1st floor plan	
1 : 200	

1st floor specifications		
#	Name	Area
1	Main Hall	1024 M ²
2	Conference Hall	273 M ²
3	Restaurant	342 M ²
4	Kitchen, Stuff	108 M ²
5	Auditorium	392 M ²
6	Hotel Administration, Stuff	413 M ²
7	Security Service Area	115 M ²
8	Medical Cabinet	28 M ²
9	WC	11 M ²
10	Staircase Hoist	22 M ²
11	Staircase Hoist	21 M ²
12	WC	10 M ²
13	WC	7 M ²
14	WC	7 M ²
15	WC	7 M ²
16	WC	11 M ²
17	WC	11 M ²
18	Information Desk	13 M ²
19	Security Service Area	14 M ²
20	Wardrobe	46 M ²
21	WC	7 M ²
22	WC	7 M ²



1 Floor #1
1 : 200



Premium Hotel

Client: DBM Group

Developer: DBM Group

Supervisor: Abid Nadeem

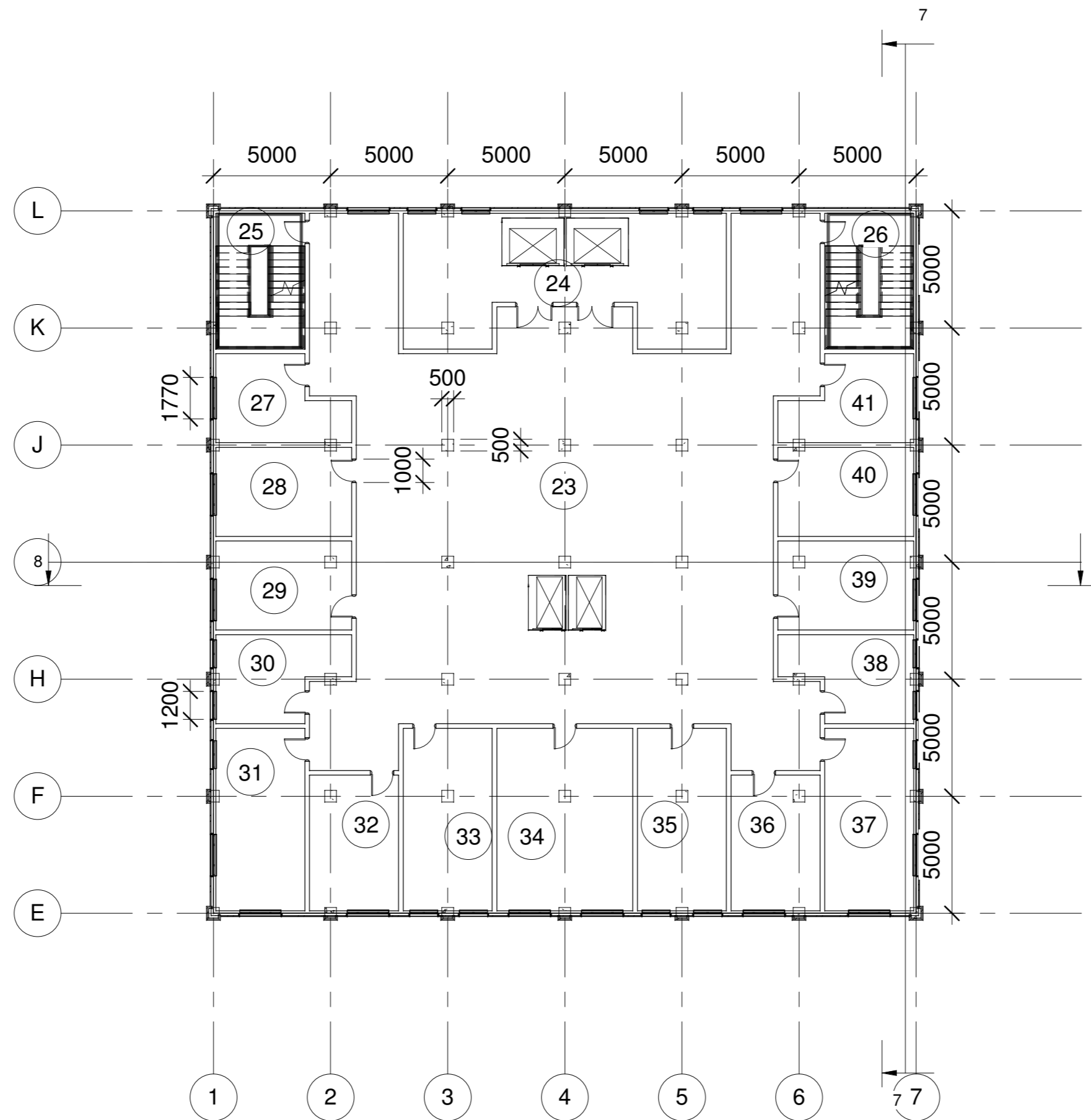
Designer: Ilyas Bakirov

2nd floor plan

1 : 200

2nd floor specifications

#	Name	Area
23	2nd floor Hall	365 m ²
24	Staff (laundry etc.)	67 m ²
25	Staircase Hoist	22 m ²
26	Staircase Hoist	22 m ²
27	Living Room	18 m ²
28	Living Room	22 m ²
29	Living Room	22 m ²
30	Living Room	18 m ²
31	Living Room	30 m ²
32	Living Room	22 m ²
33	Living Room	29 m ²
34	Living Room	45 m ²
35	Living Room	29 m ²
36	Living Room	22 m ²
37	Living Room	30 m ²
38	Living Room	18 m ²
39	Living Room	22 m ²
40	Living Room	22 m ²
41	Living Room	18 m ²



2 Floor #2
1 : 200



Premium Hotel

Client: DBM Group

Developer: DBM Group

Supervisor: Abid Nadeem

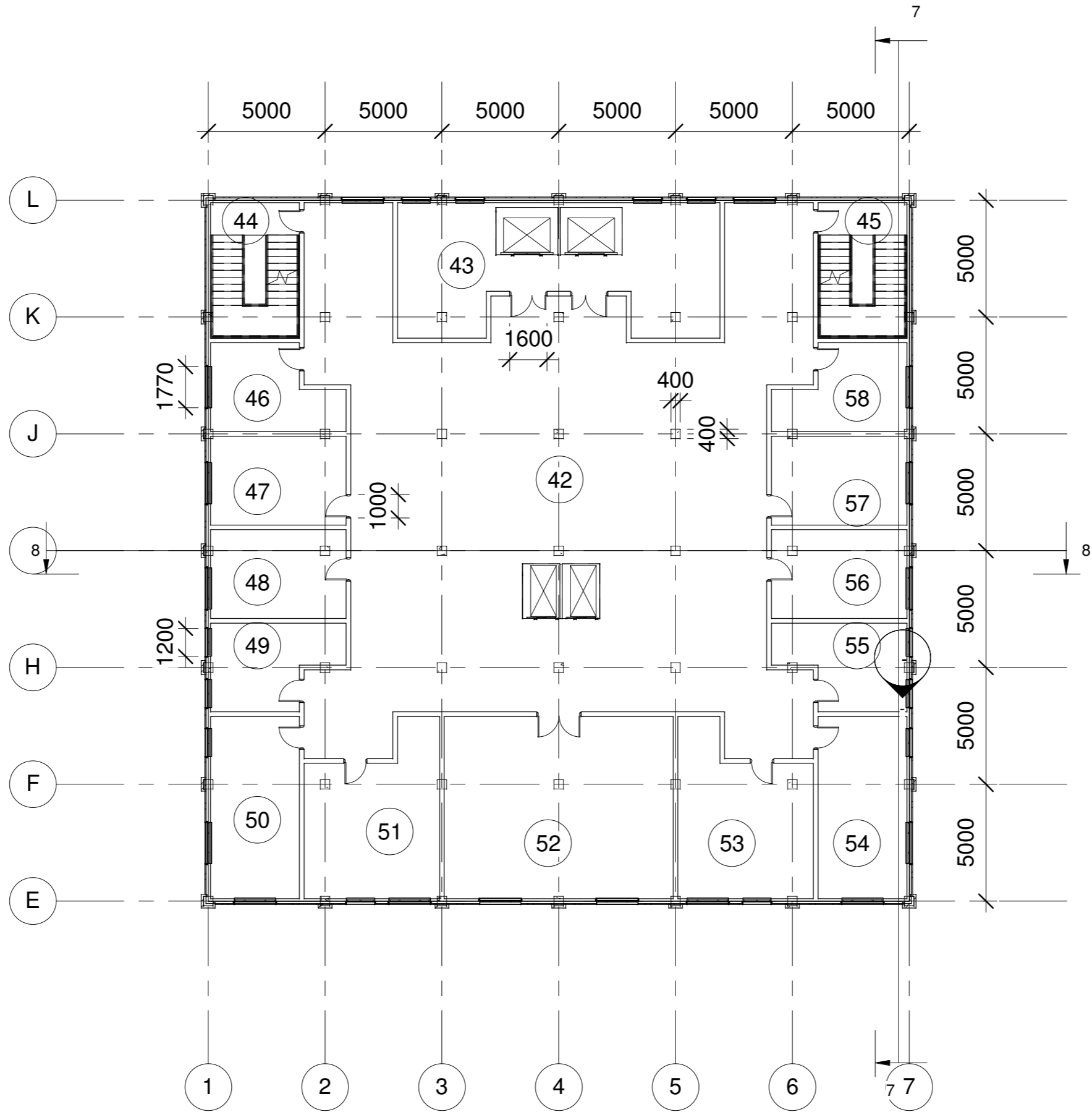
Designer: Ilyas Bakirov

9th floor plan

1 : 200

9th floor specifications

#	Name	Area
42	9th floor Hall	366 M ²
43	Staff (laundry etc.)	67 M ²
44	Staircase Hoist	22 M ²
45	Staircase Hoist	22 M ²
46	Living Room	18 M ²
47	Living Room	22 M ²
48	Living Room	22 M ²
49	Living Room	18 M ²
50	Living Room	30 M ²
51	Living Room	37 M ²
52	Living Room	76 M ²
53	Living Room	37 M ²
54	Living Room	30 M ²
55	Living Room	18 M ²
56	Living Room	22 M ²
57	Living Room	22 M ²
58	Living Room	18 M ²



3 Floor #9
1 : 200



Premium Hotel

Client: DBM Group

Developer: DBM Group

Supervisor: Abid Nadeem

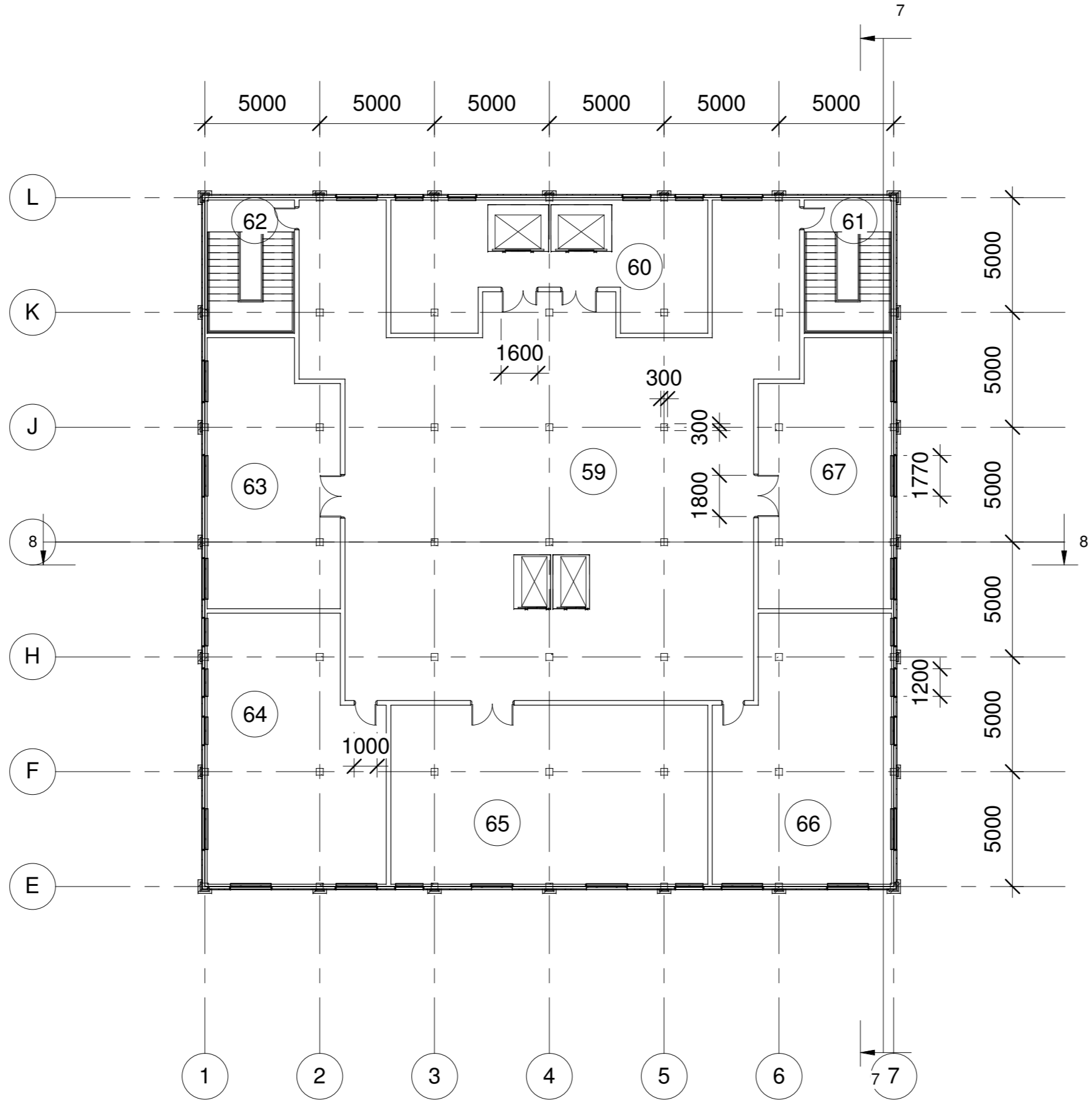
Designer: Ilyas Bakirov

12th floor plan

1 : 200

12th floor specifications

#	Name	Area
59	12th floor Hall	345 M ²
60	Staff (laundry etc.)	67 M ²
61	Staircase Hoist	22 M ²
62	Staircase Hoist	22 M ²
63	Living Room	64 M ²
64	Living Room	84 M ²
65	Living Room	107 M ²
66	Living Room	84 M ²
67	Living Room	64 M ²



4 Floor #12
1 : 200



Premium Hotel

Client: DBM Group

Developer: DBM Group

Supervisor: Abid Nadeem

Designer: Ilyas Bakirov

Elevation - West

1 : 200



5 Elevation - West
1 : 200



Premium Hotel

Client: DBM Group

Developer: DBM Group

Supervisor: Abid Nadeem

Designer: Ilyas Bakirov

Elevation - South

1 : 200



6 Elevation - South
1 : 200



Premium Hotel

Client: DBM Group

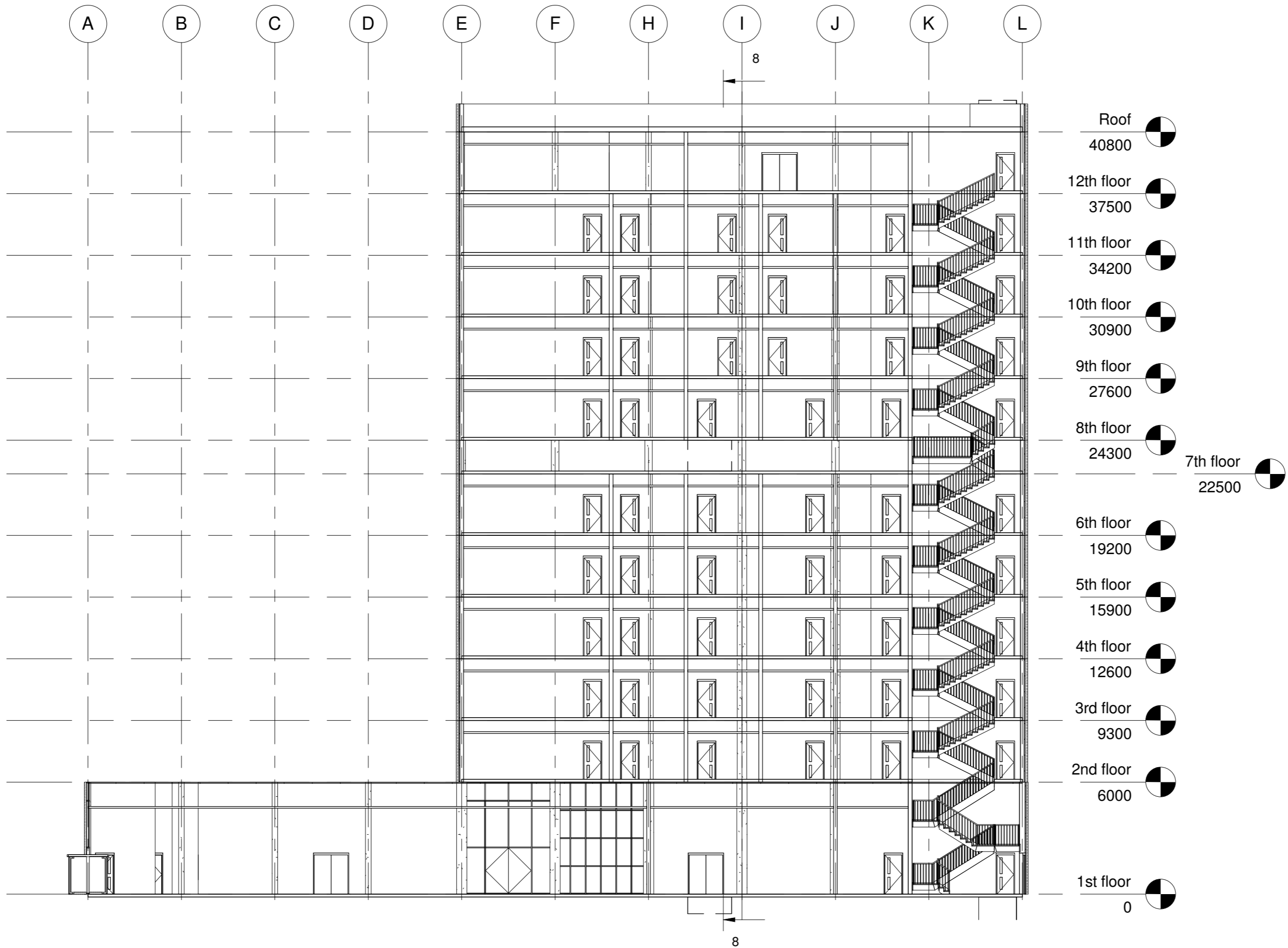
Developer: DBM Group

Supervisor: Abid Nadeem

Designer: Ilyas Bakirov

Section View - axis 6 and 7

1 : 200



7 Section View - axis 6 and 7
1 : 200



Premium Hotel

Client: DBM Group

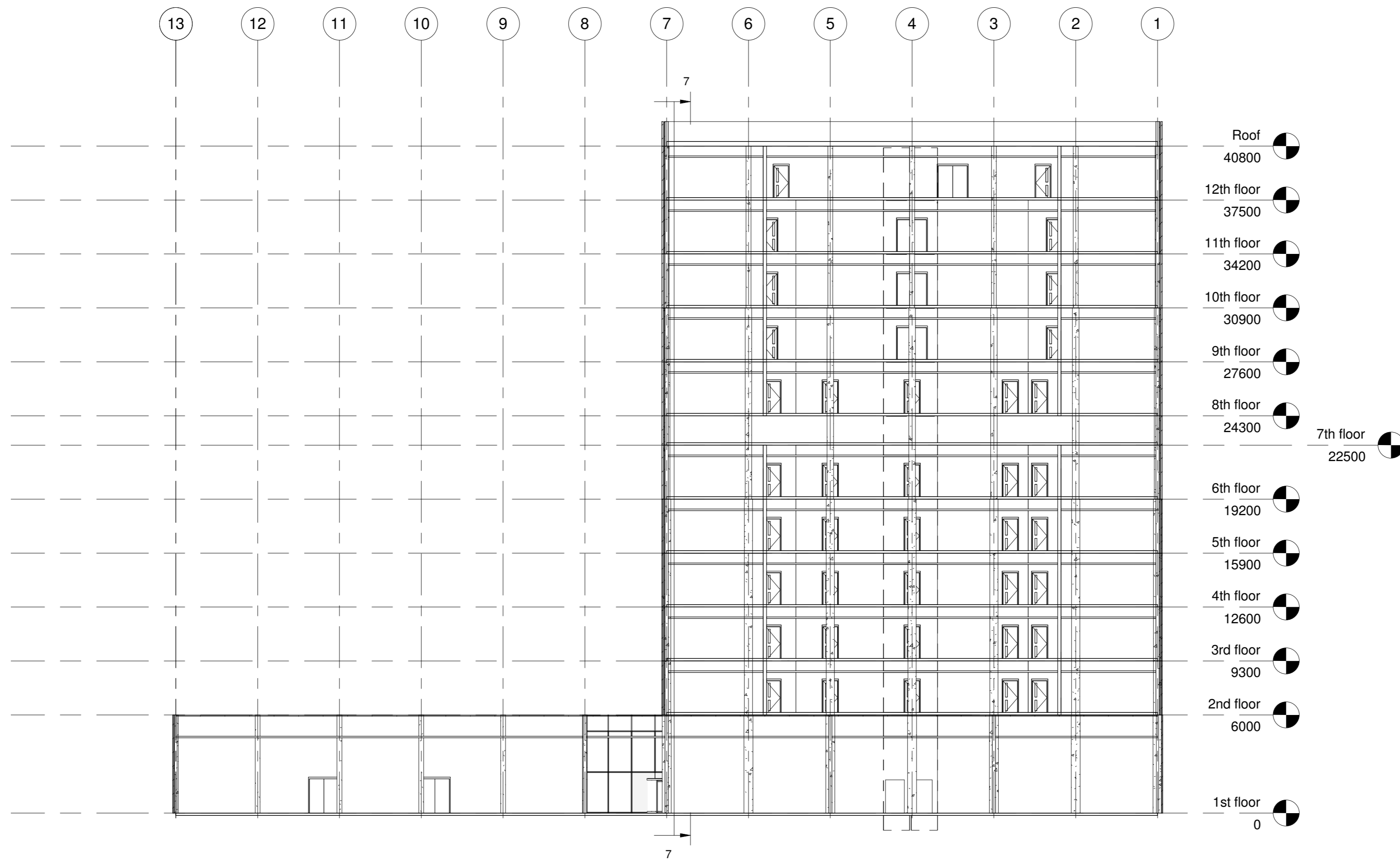
Developer: DBM Group

Supervisor: Abid Nadeem

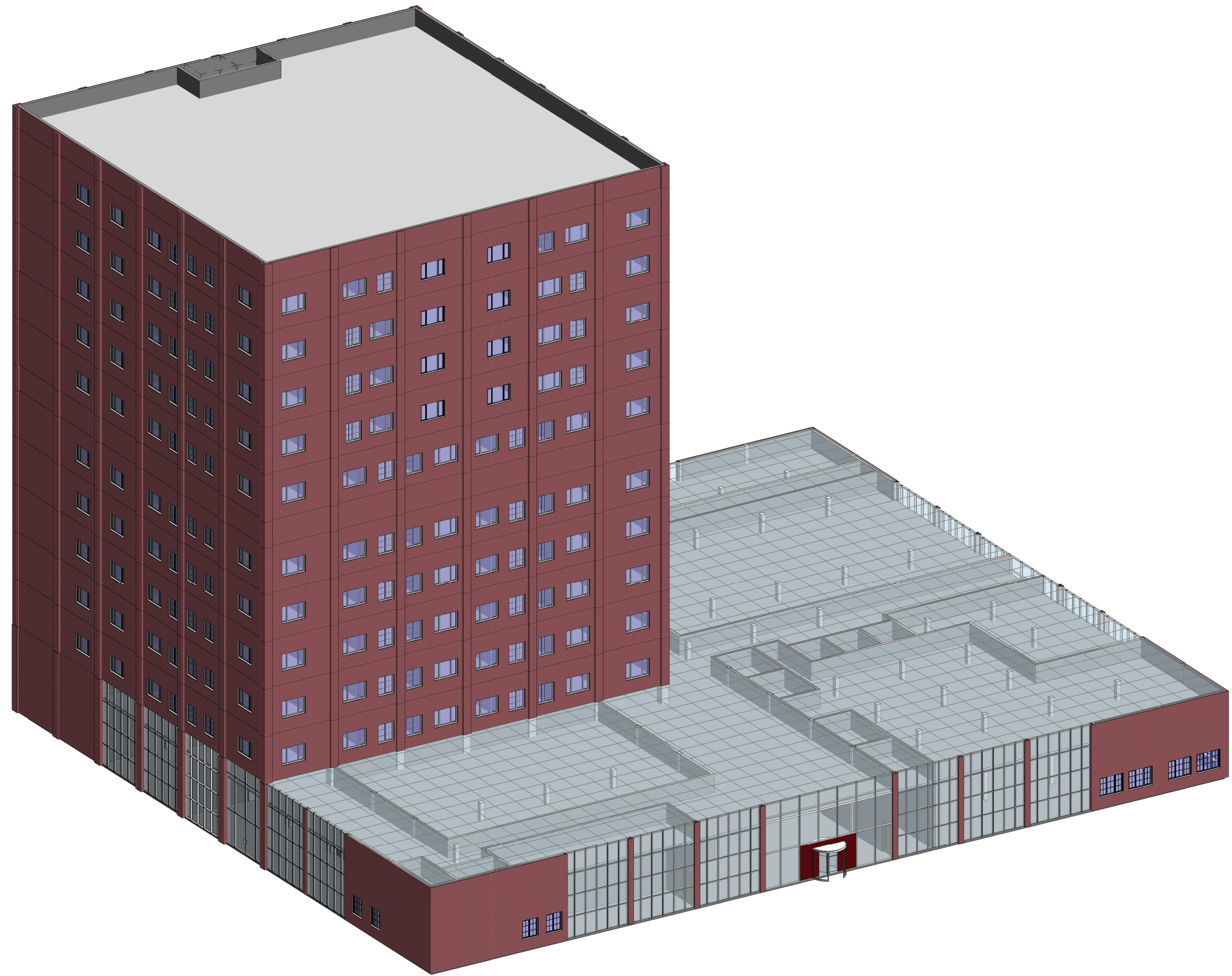
Designer: Ilyas Bakirov

Section View - I axis

1 : 200



8 Section View - I axis
1 : 200



Premium Hotel

Client: DBM Group

Developer: DBM Group

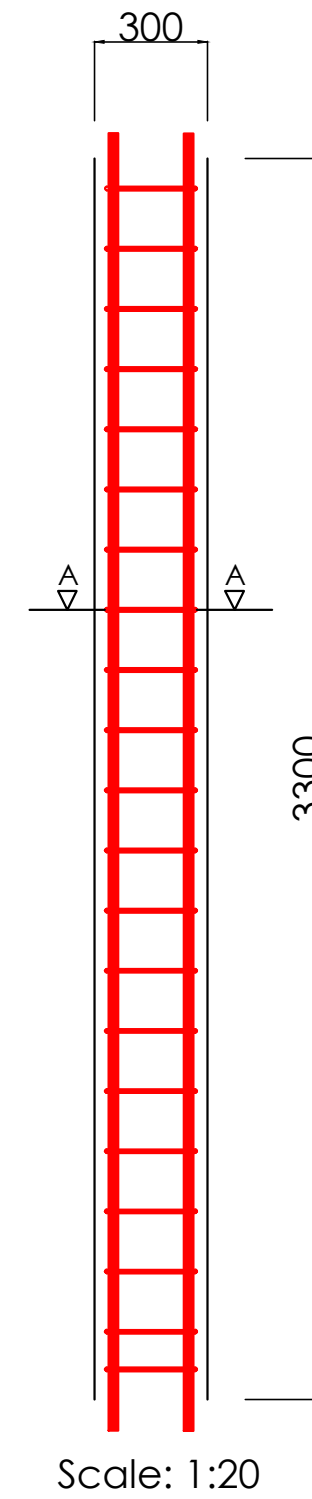
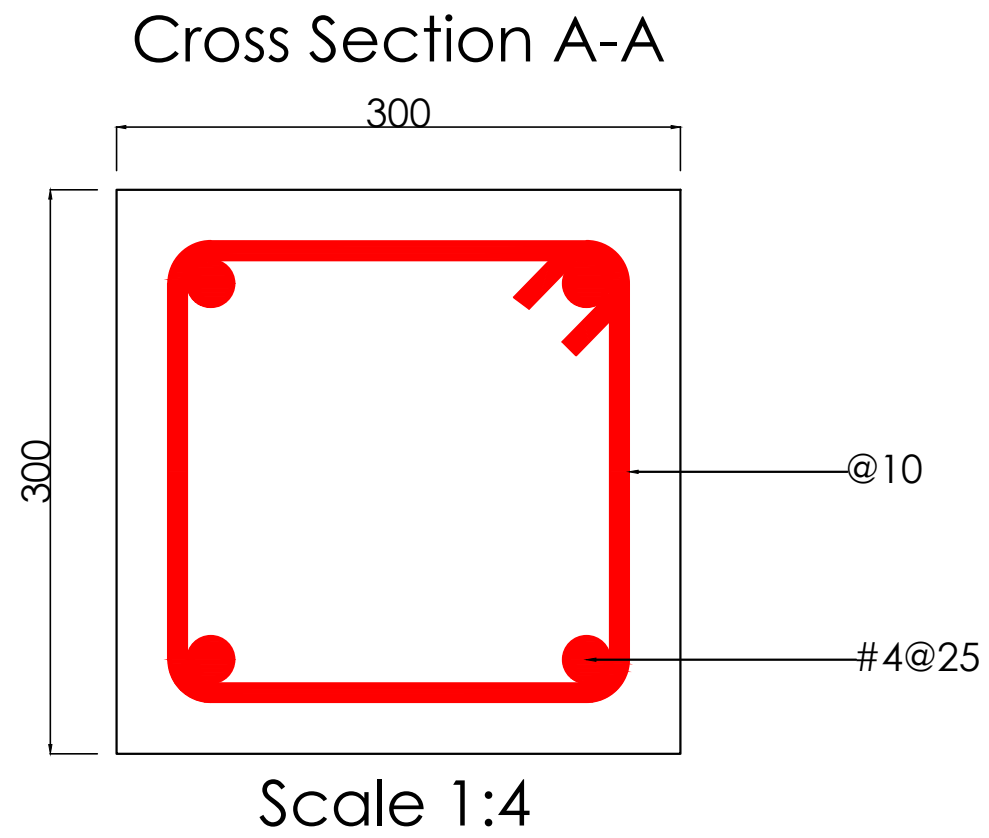
Supervisor: Abid Nadeem

Designer: Ilyas Bakirov

3D View

9 3-D View

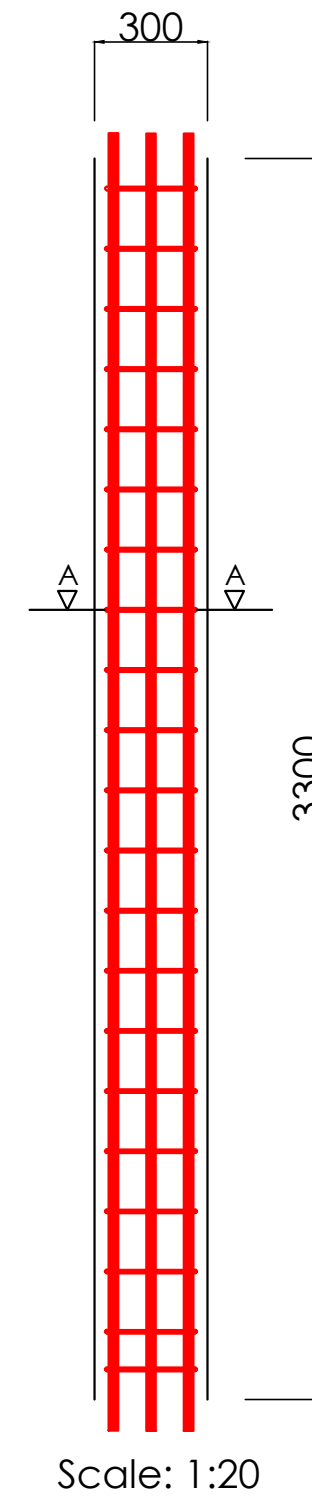
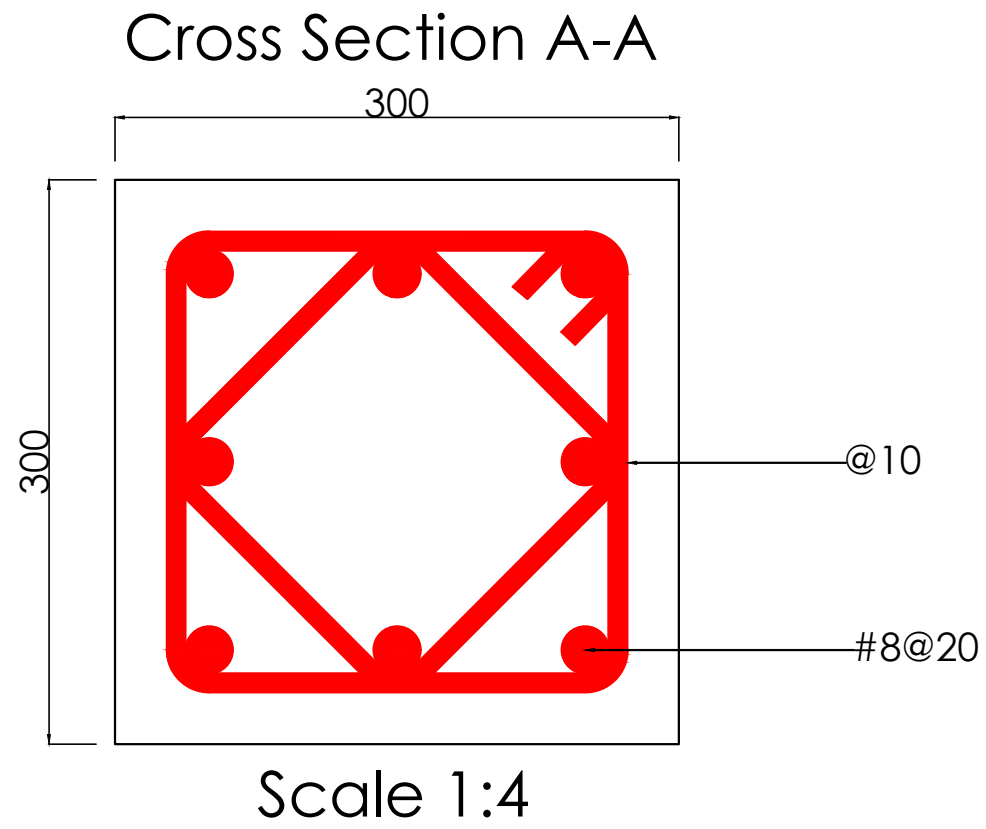
Columns: 73, 74, 111, 155, 156.



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

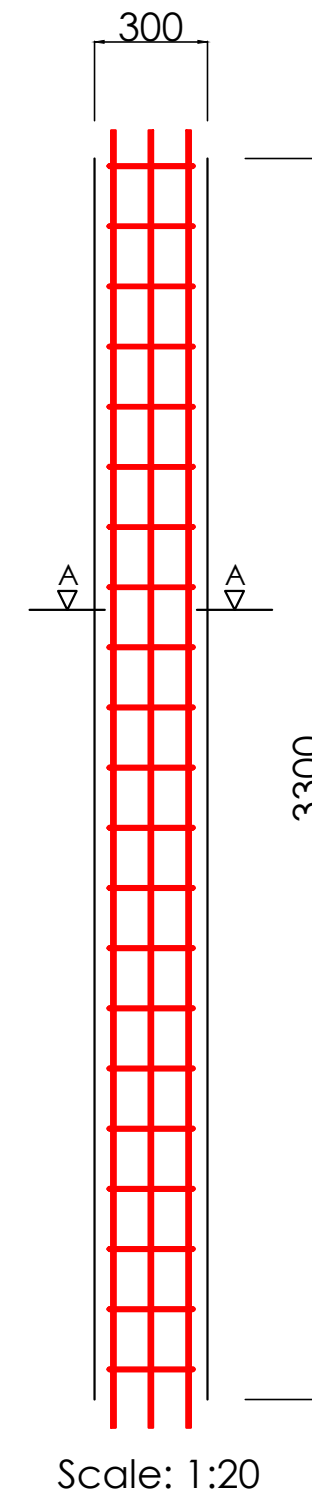
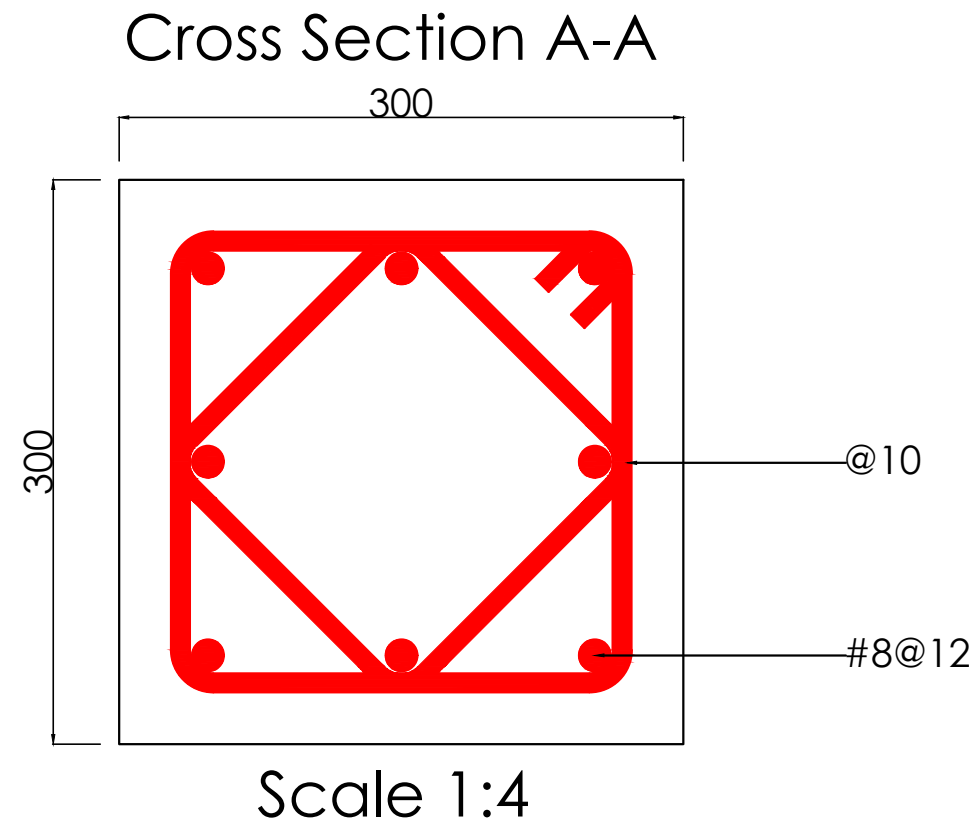
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Columns: 75, 106, 130, 154.



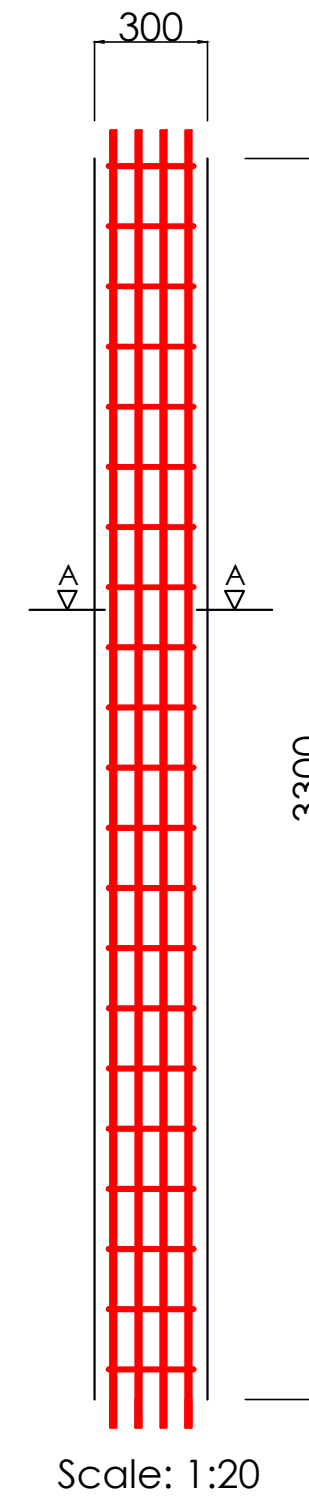
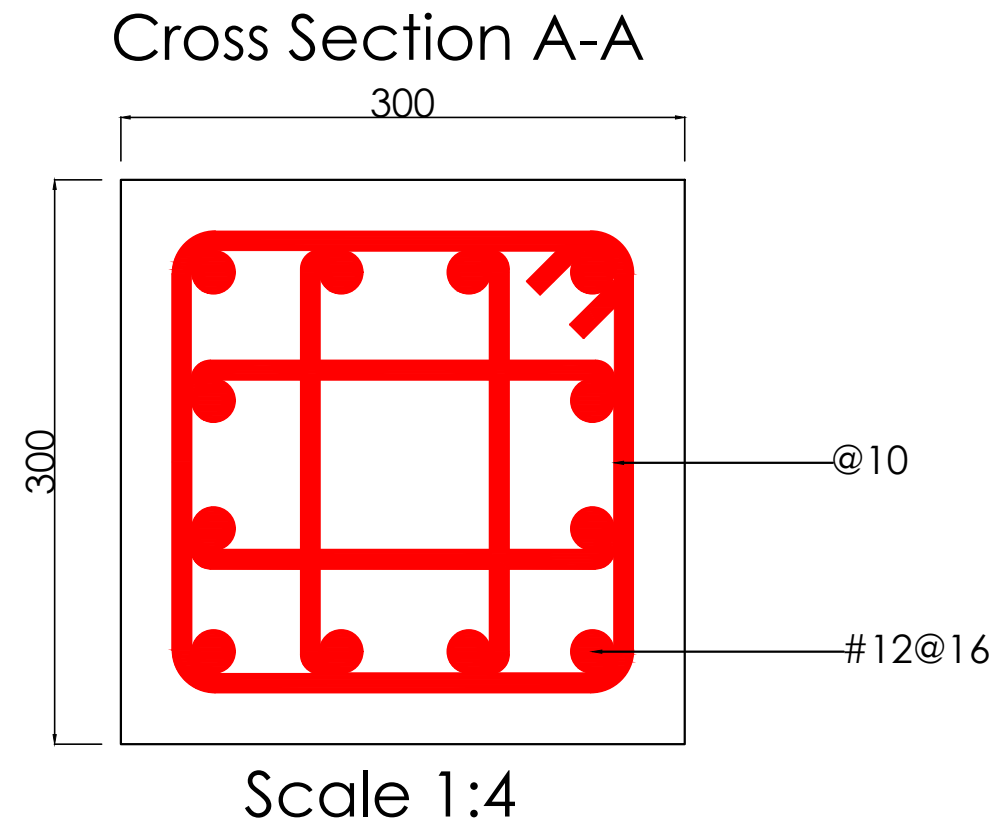
Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 85, 86, 107-110, 131-134.



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

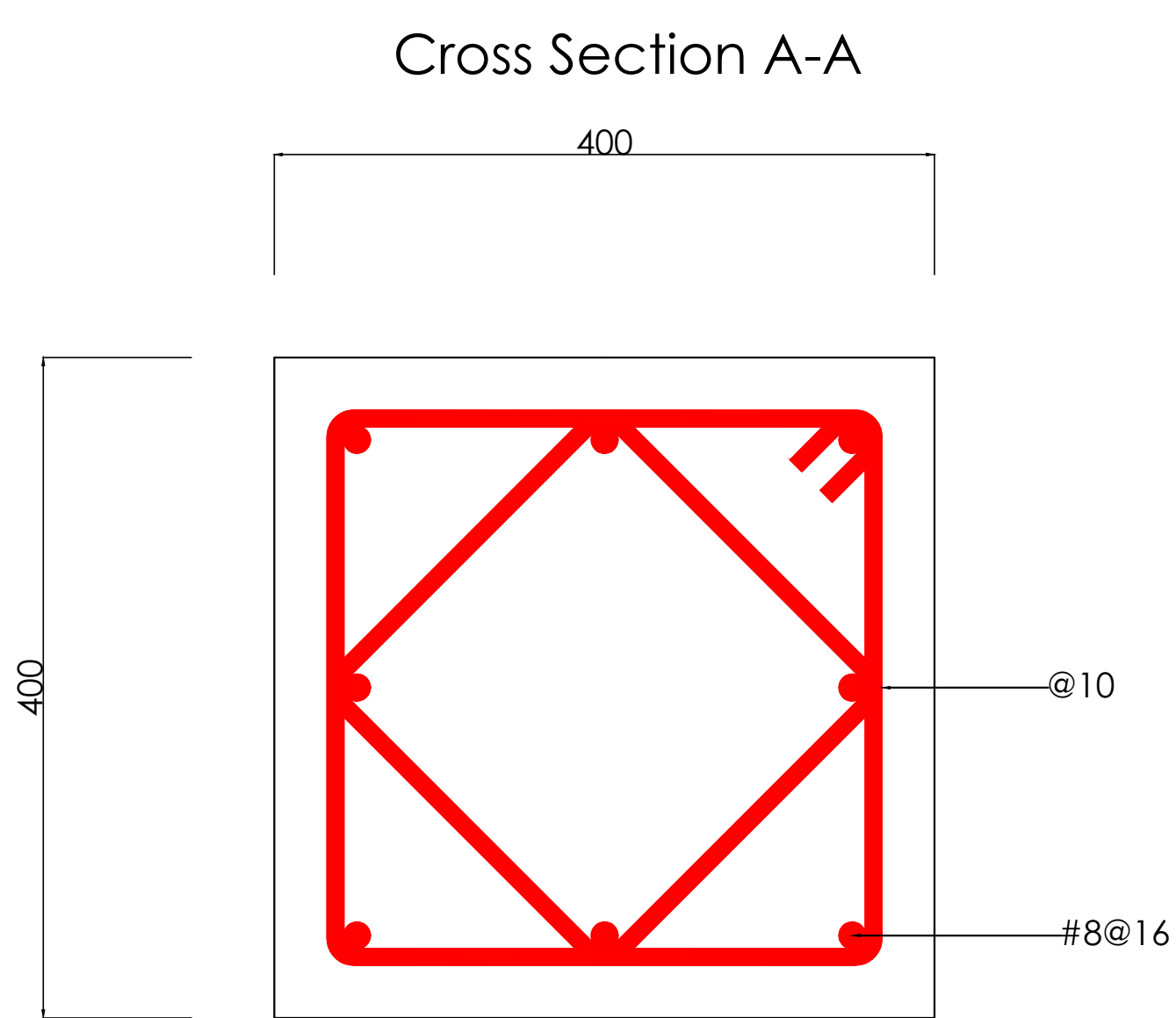
Columns: 87, 135.



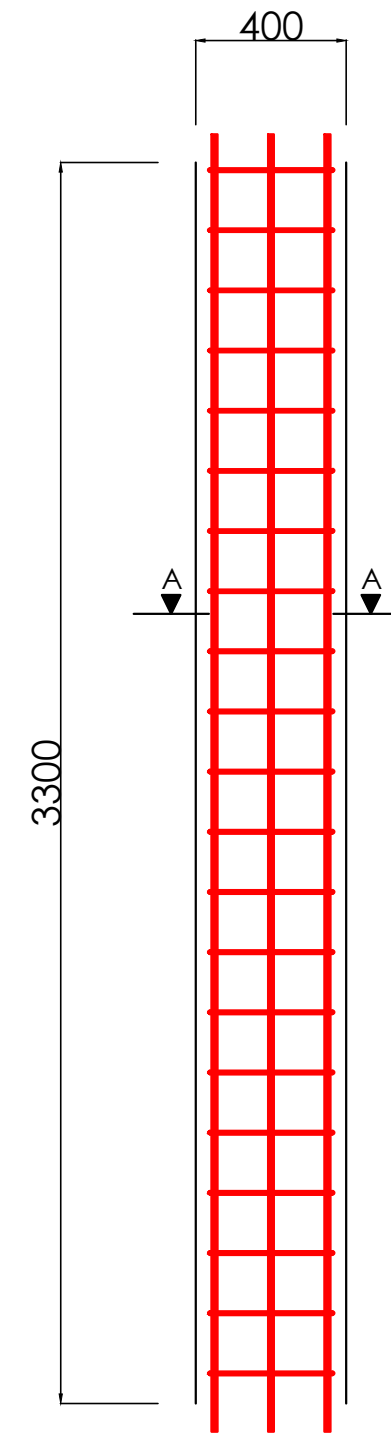
Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 76-78, 88, 89, 104, 105, 112, 113, 128, 129, 136, 137, 151-153.

Cross Section A-A



Scale 1:4



Scale: 1:20

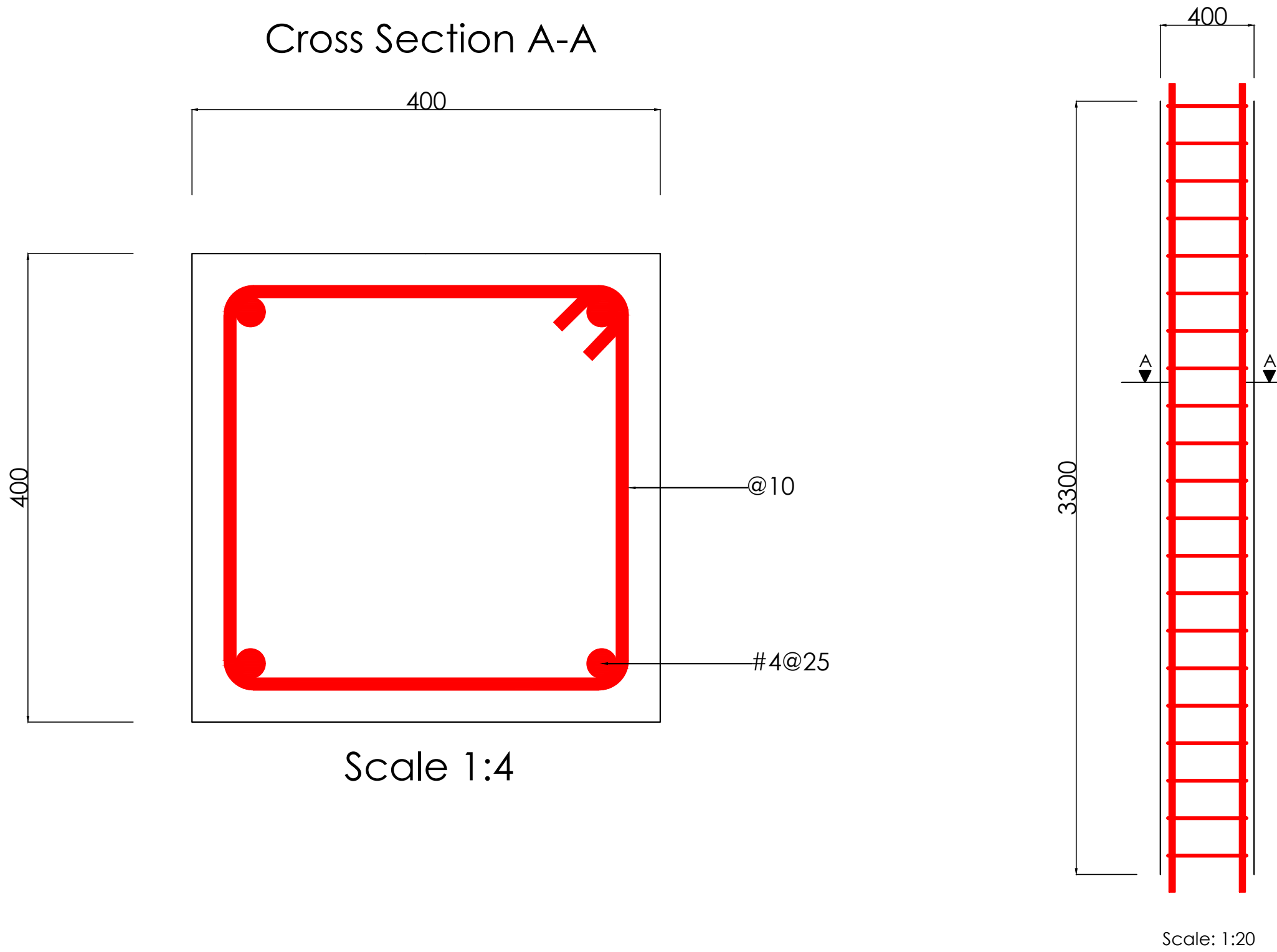


Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

5

Columns: 79, 90, 138, 150.

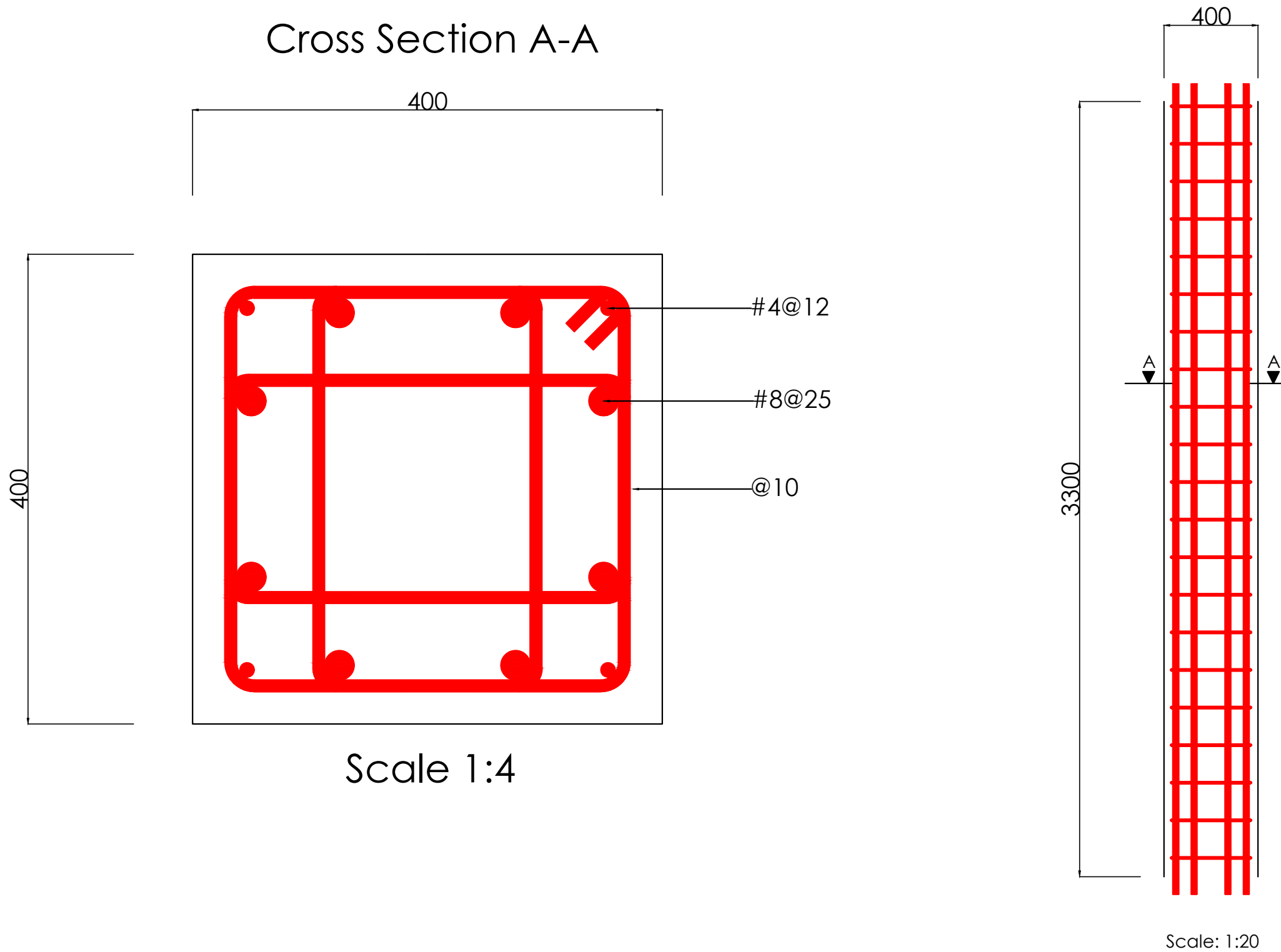
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 91.

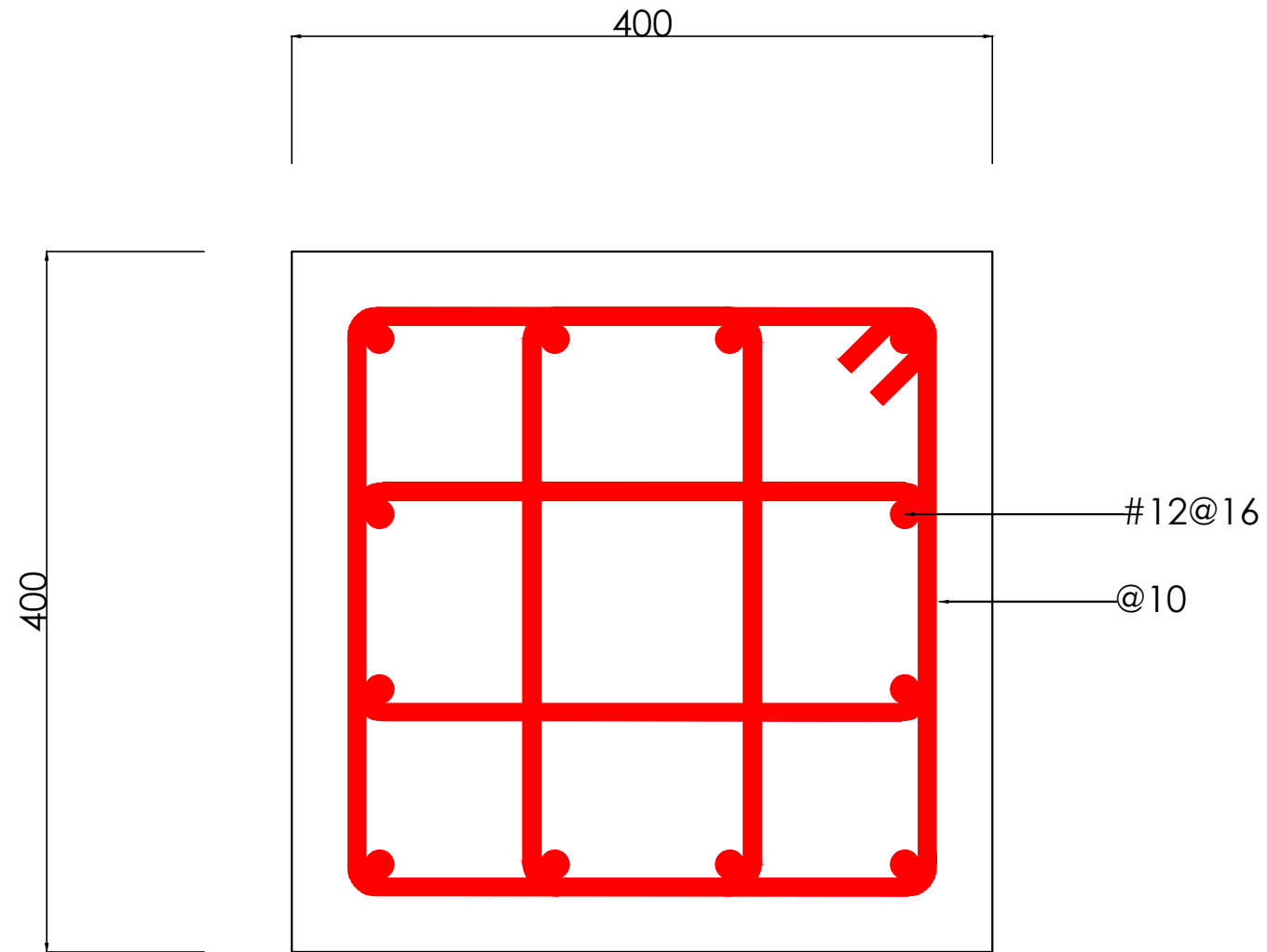
Cross Section A-A



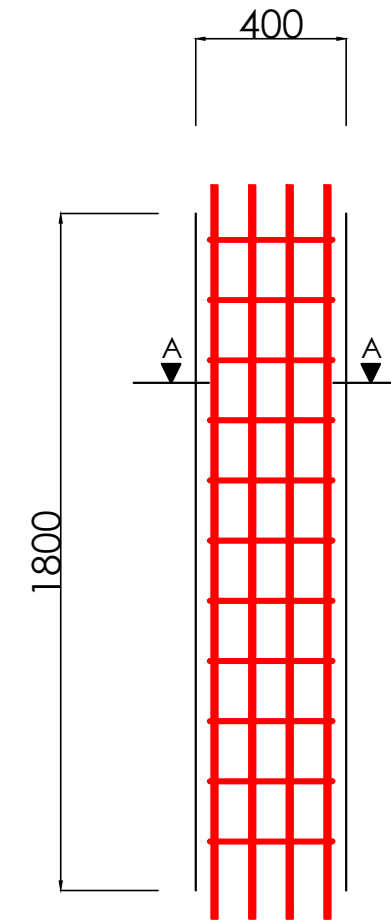
Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 103, 127.

Cross Section A-A



Scale 1:4



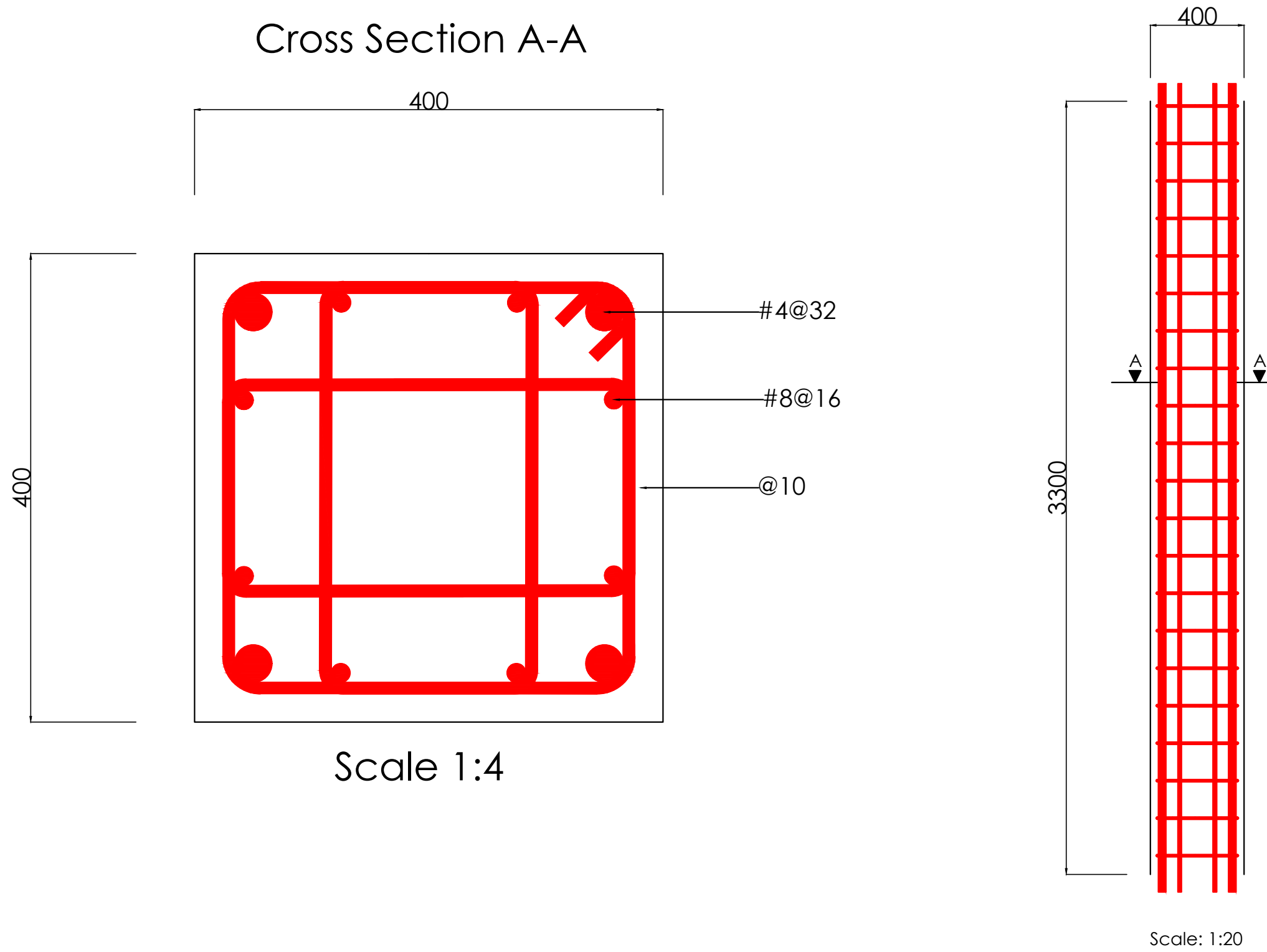
Scale: 1:20



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 102, 115, 126.

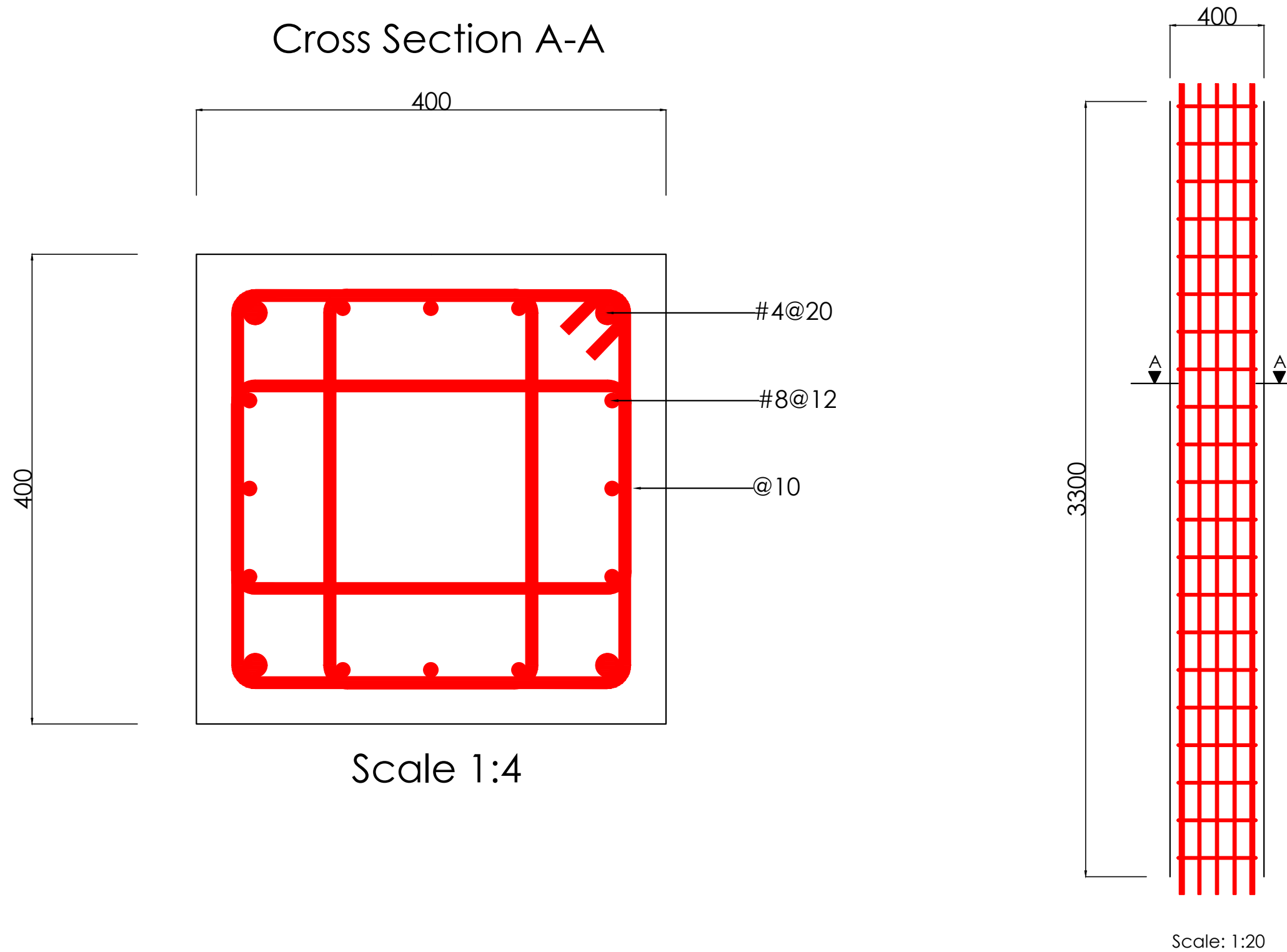
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 114.

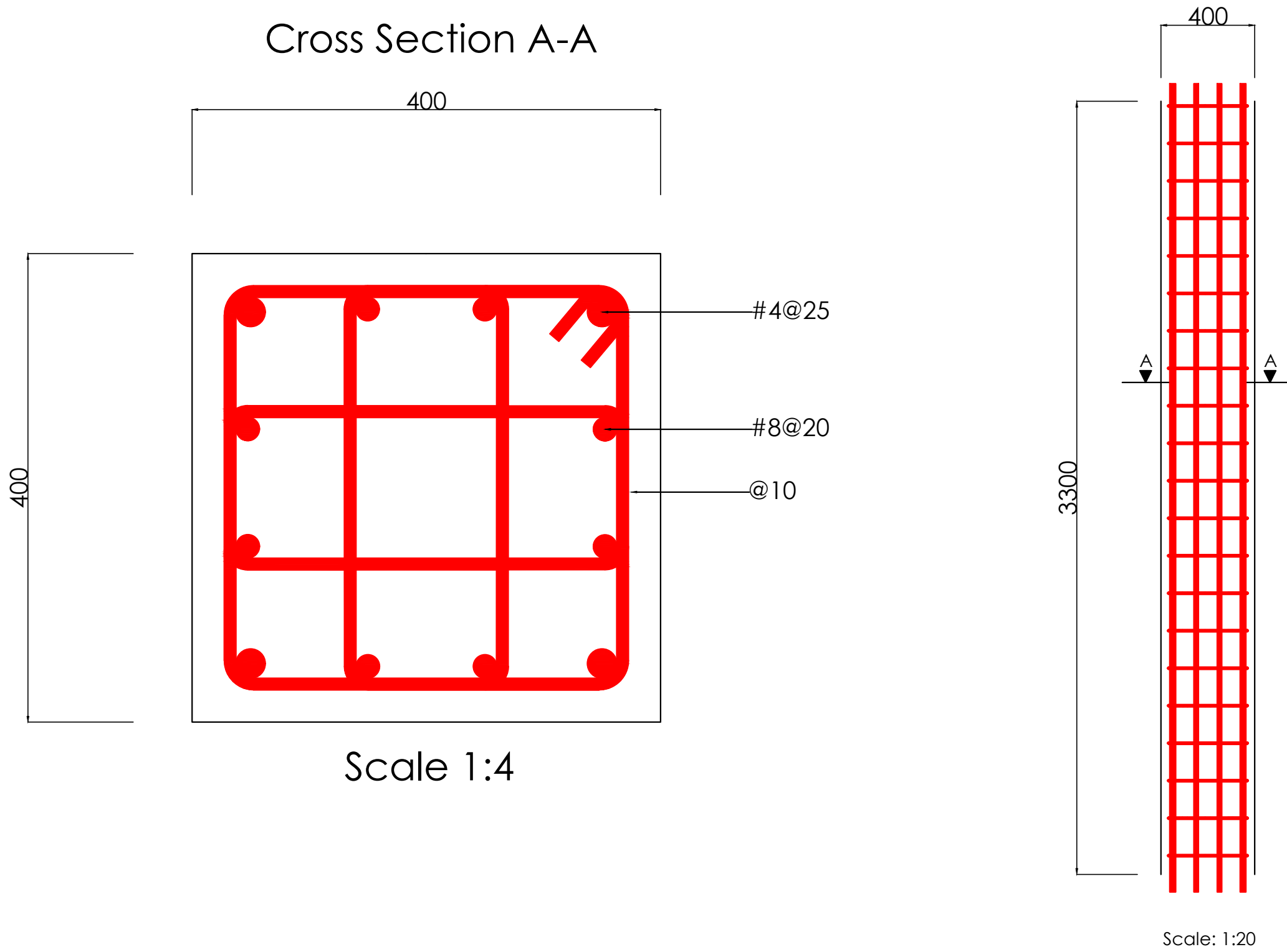
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 139.

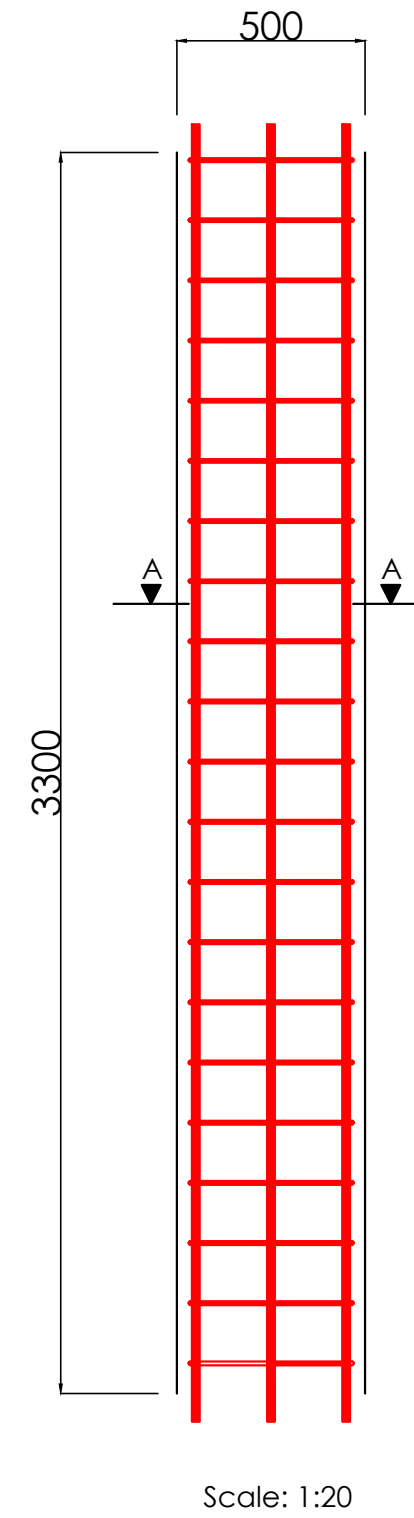
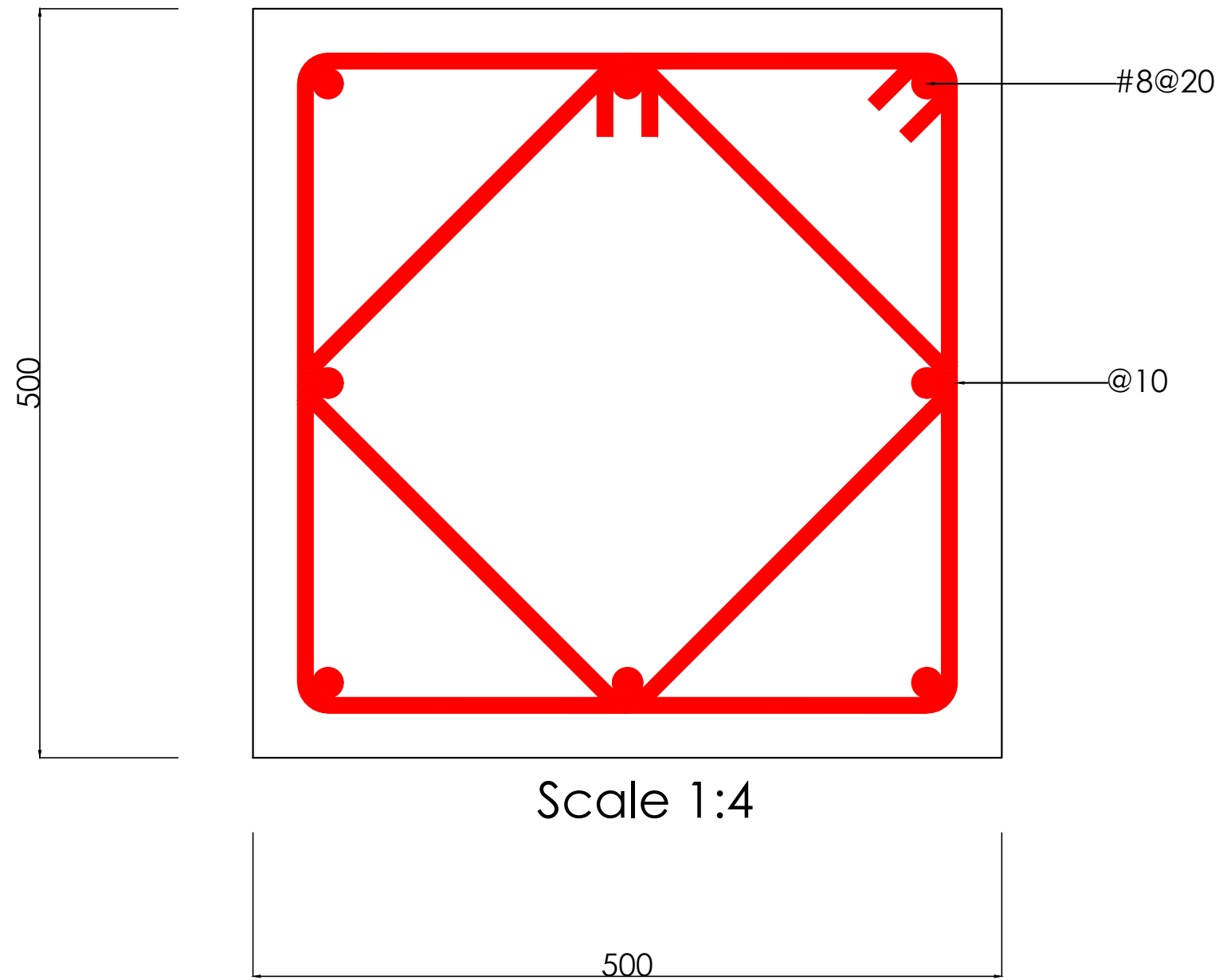
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 80-83, 92, 93, 101, 116, 125, 140, 141, 146-149.

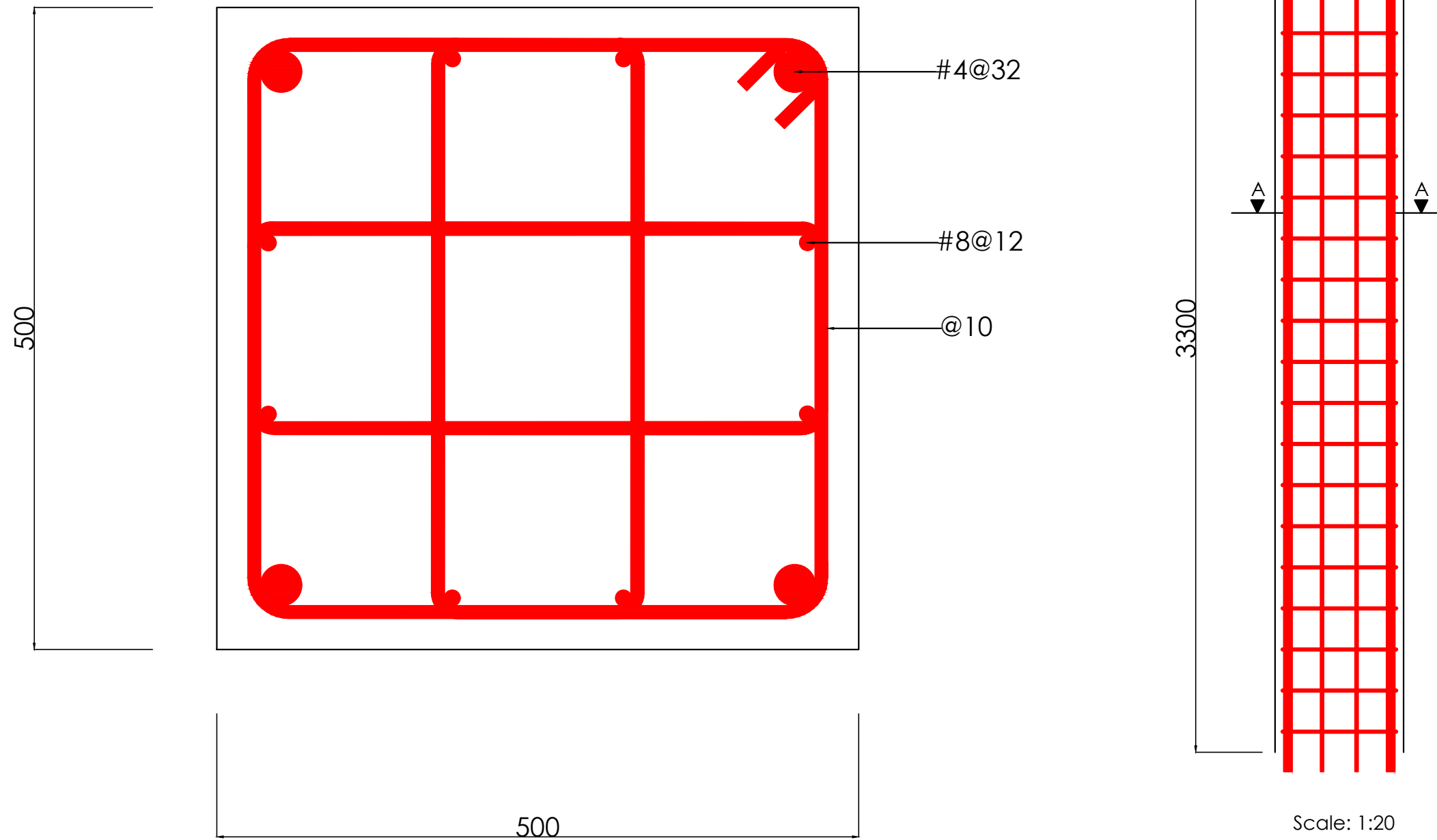
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 94, 142.

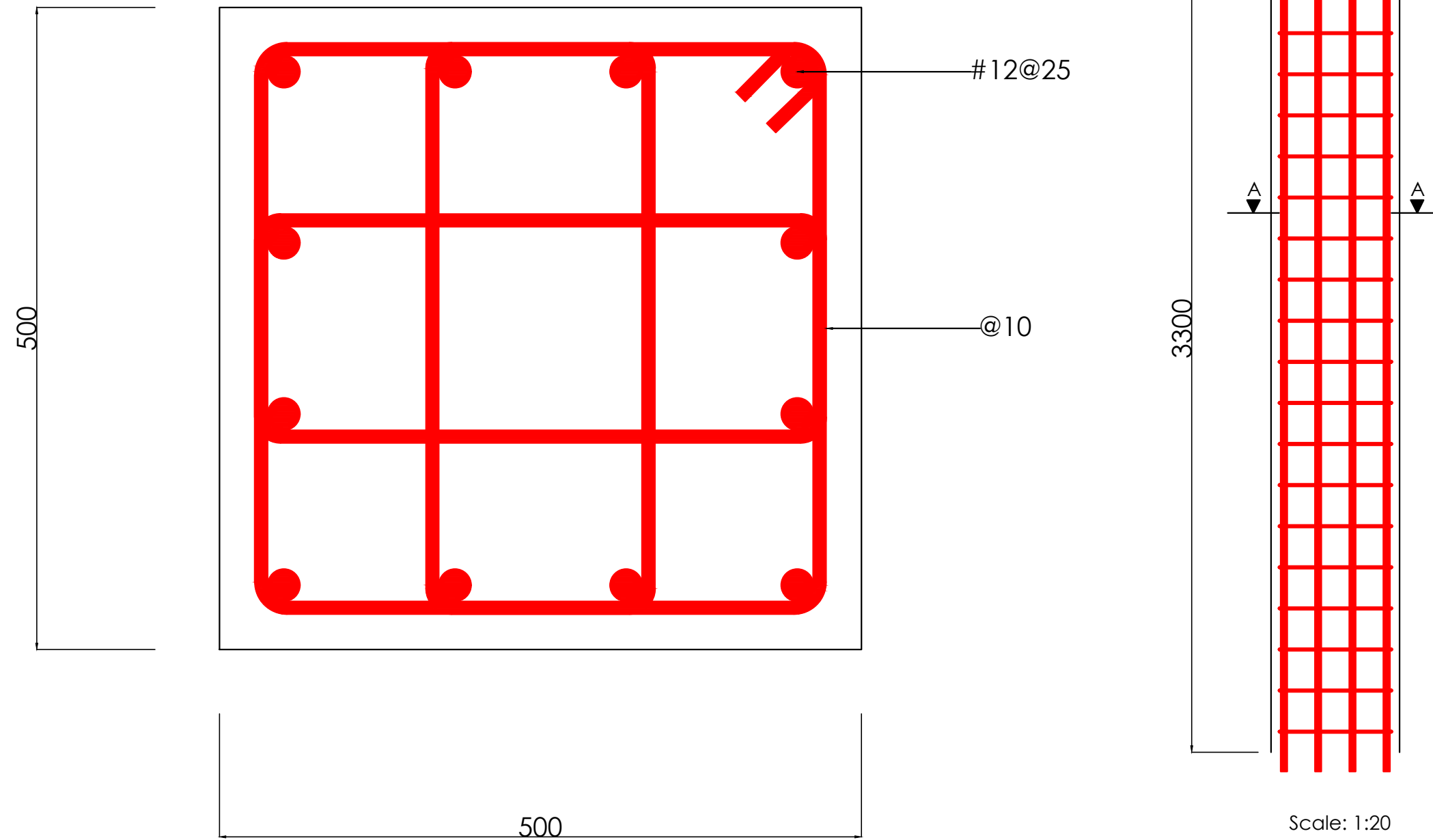
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 95.

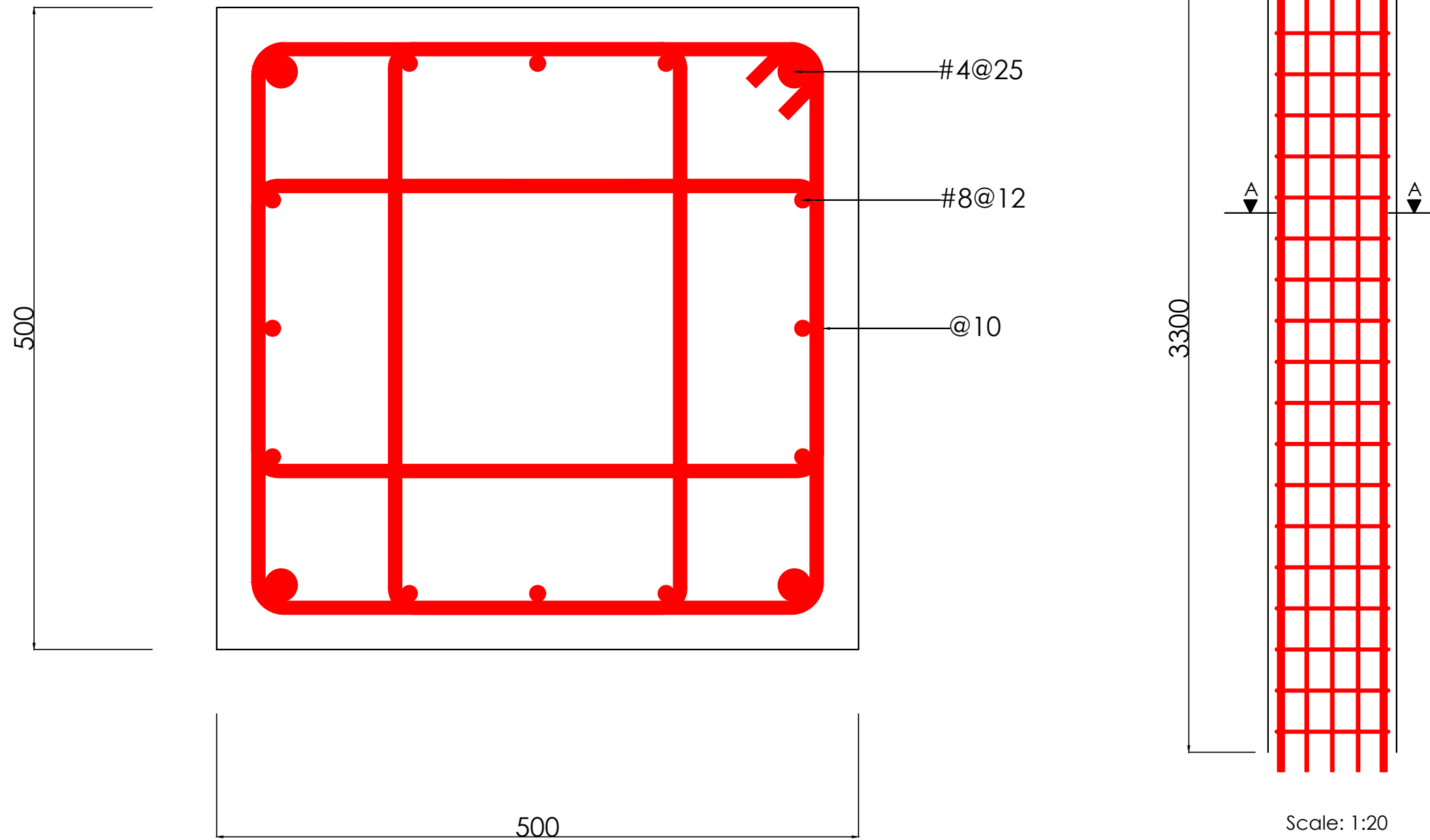
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 100, 117, 124.

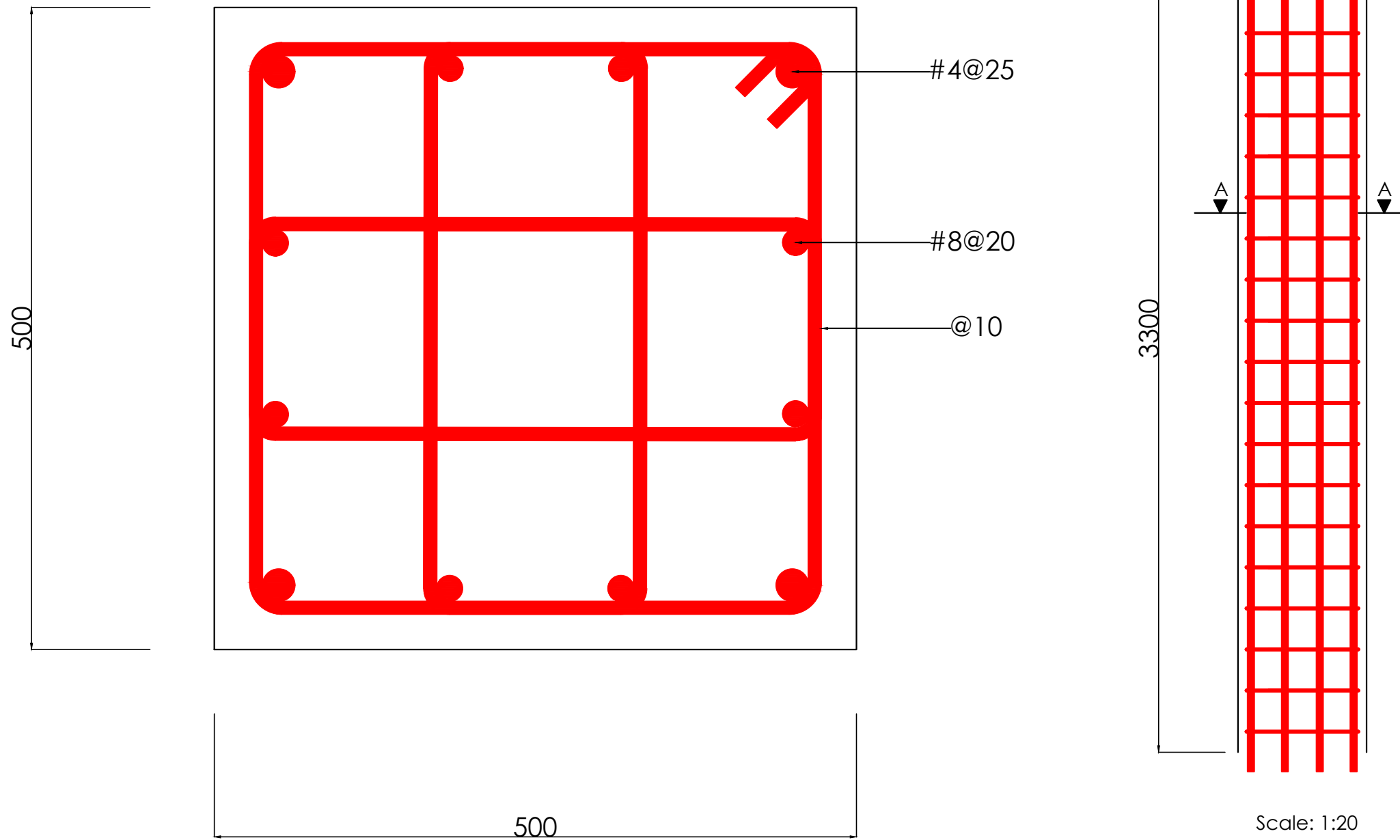
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 99, 123, 139.

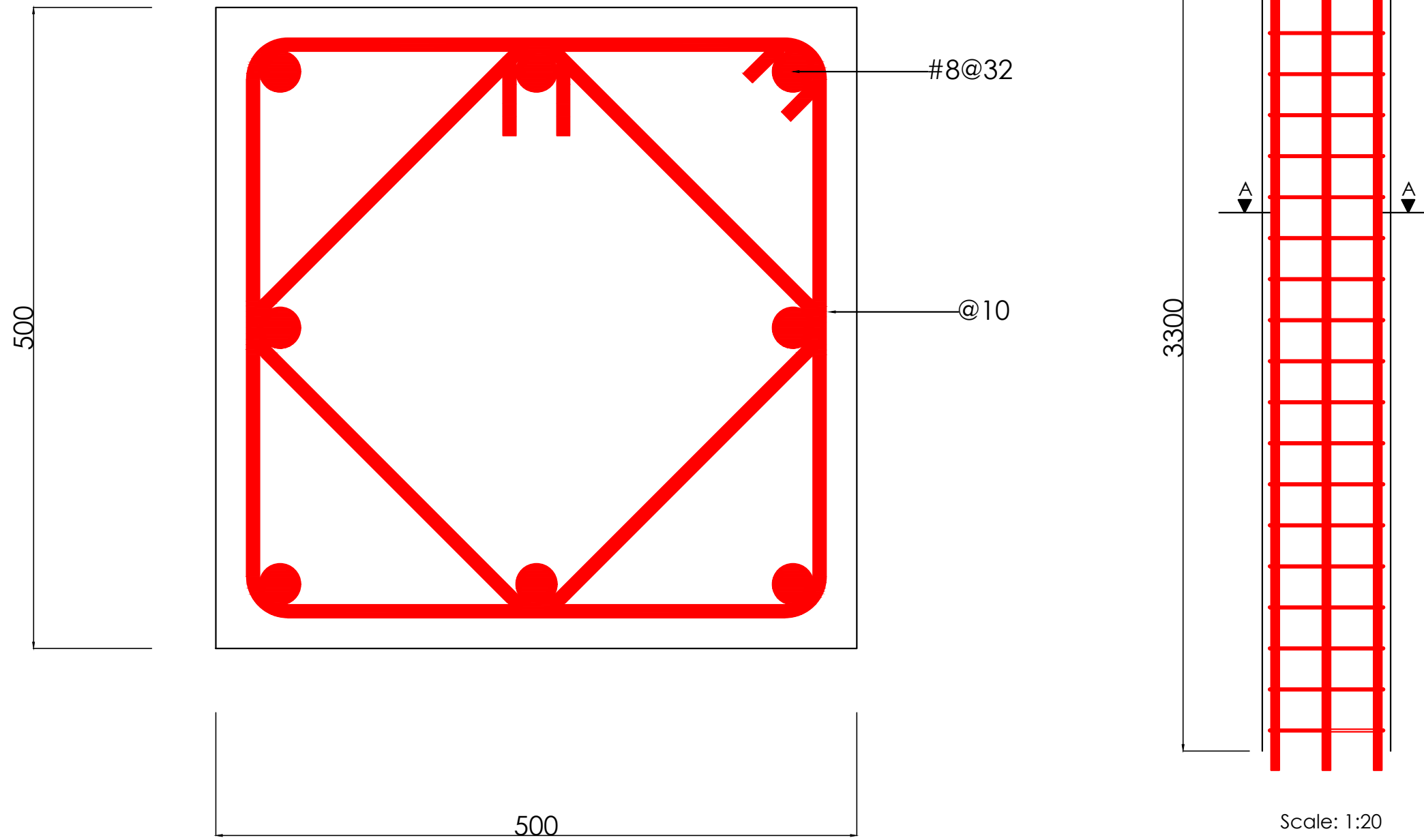
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 98,119, 122.

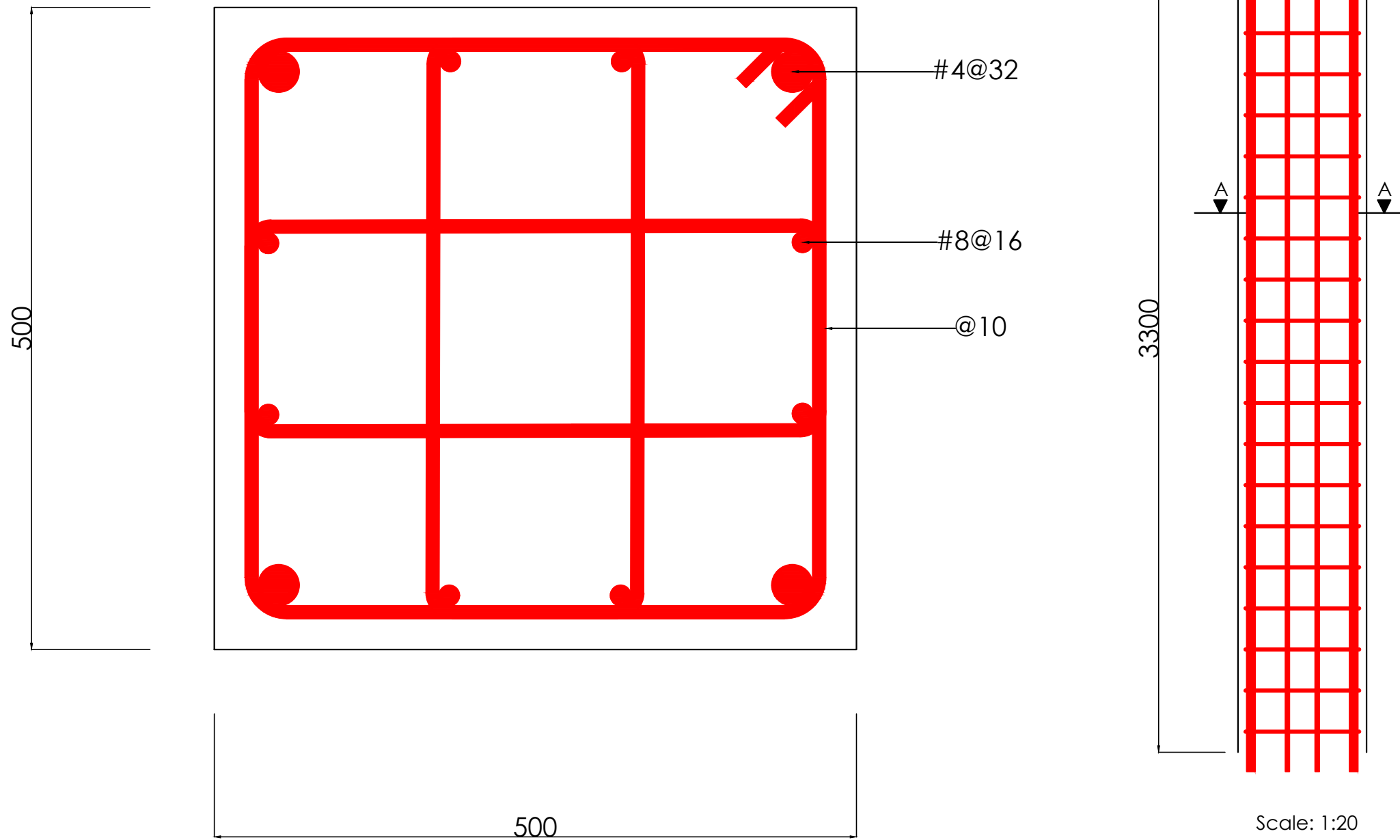
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 118.

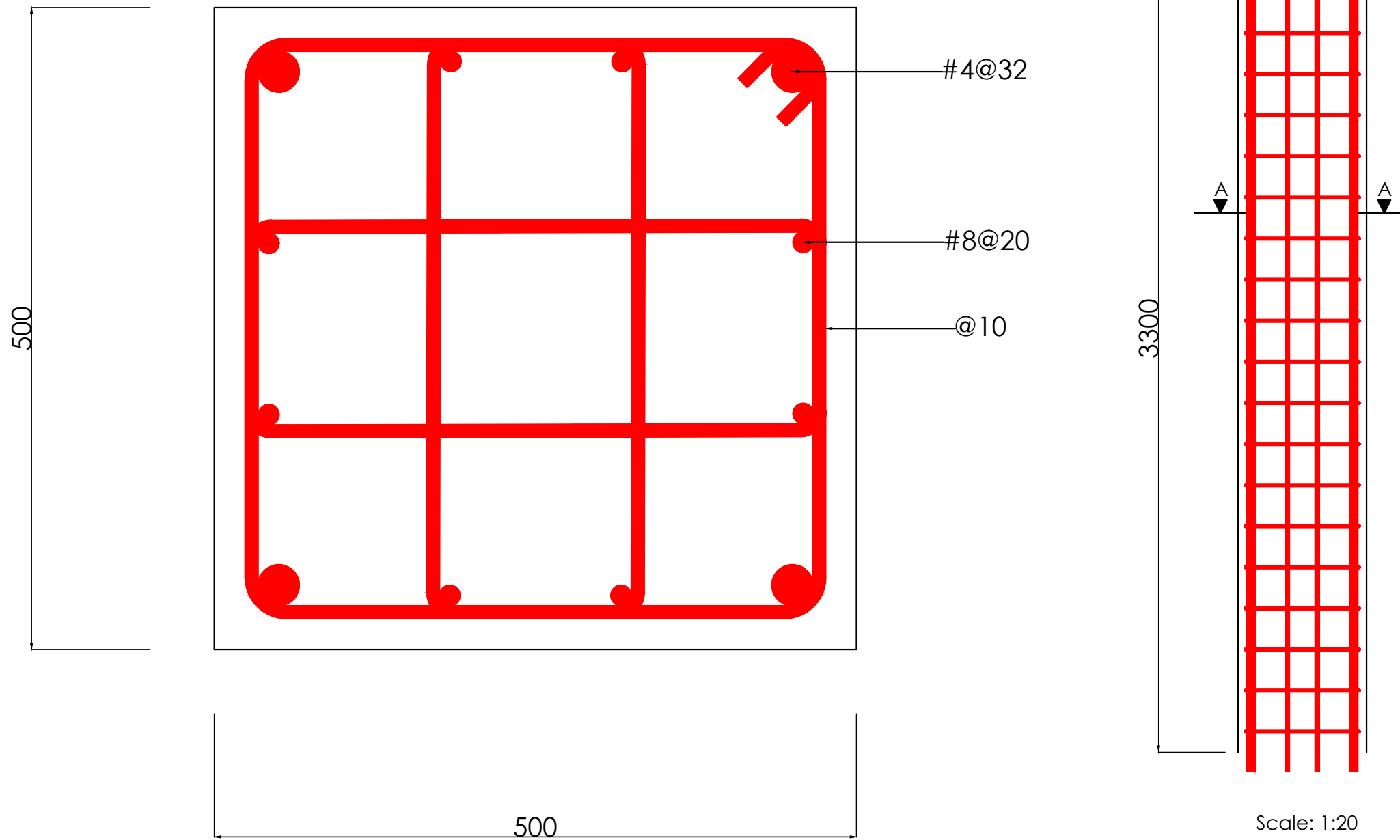
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 143.

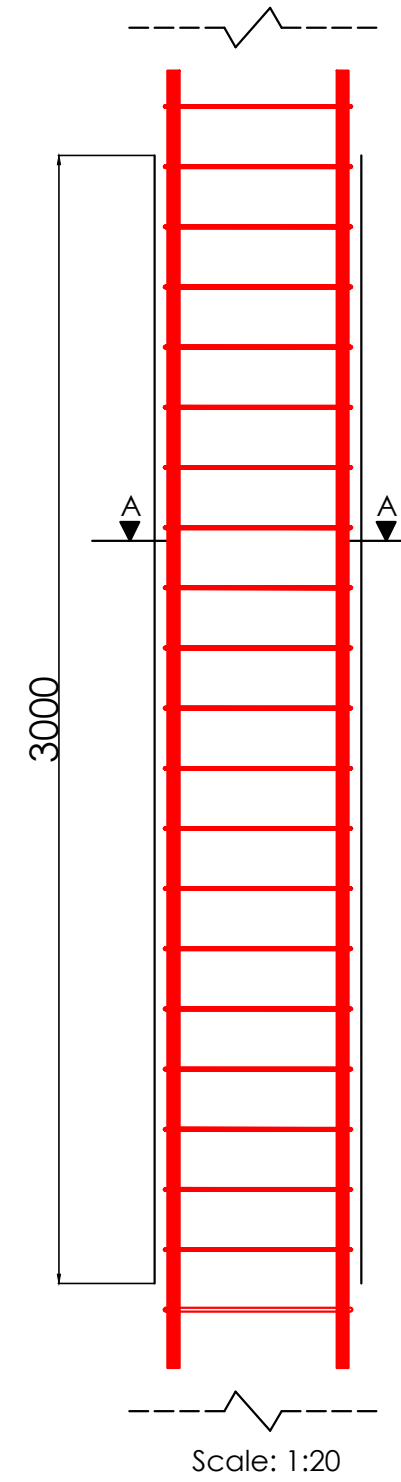
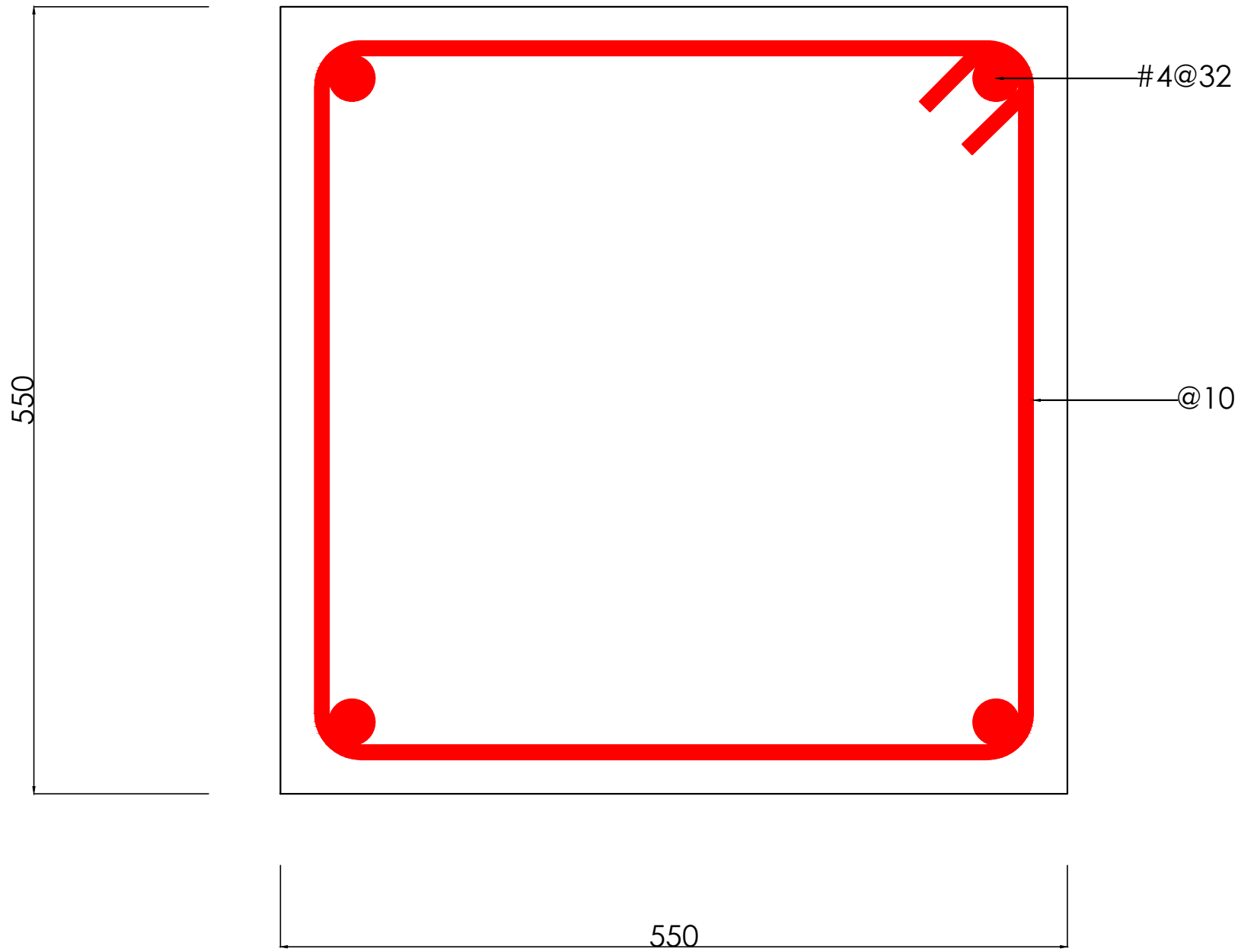
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 84, 145.

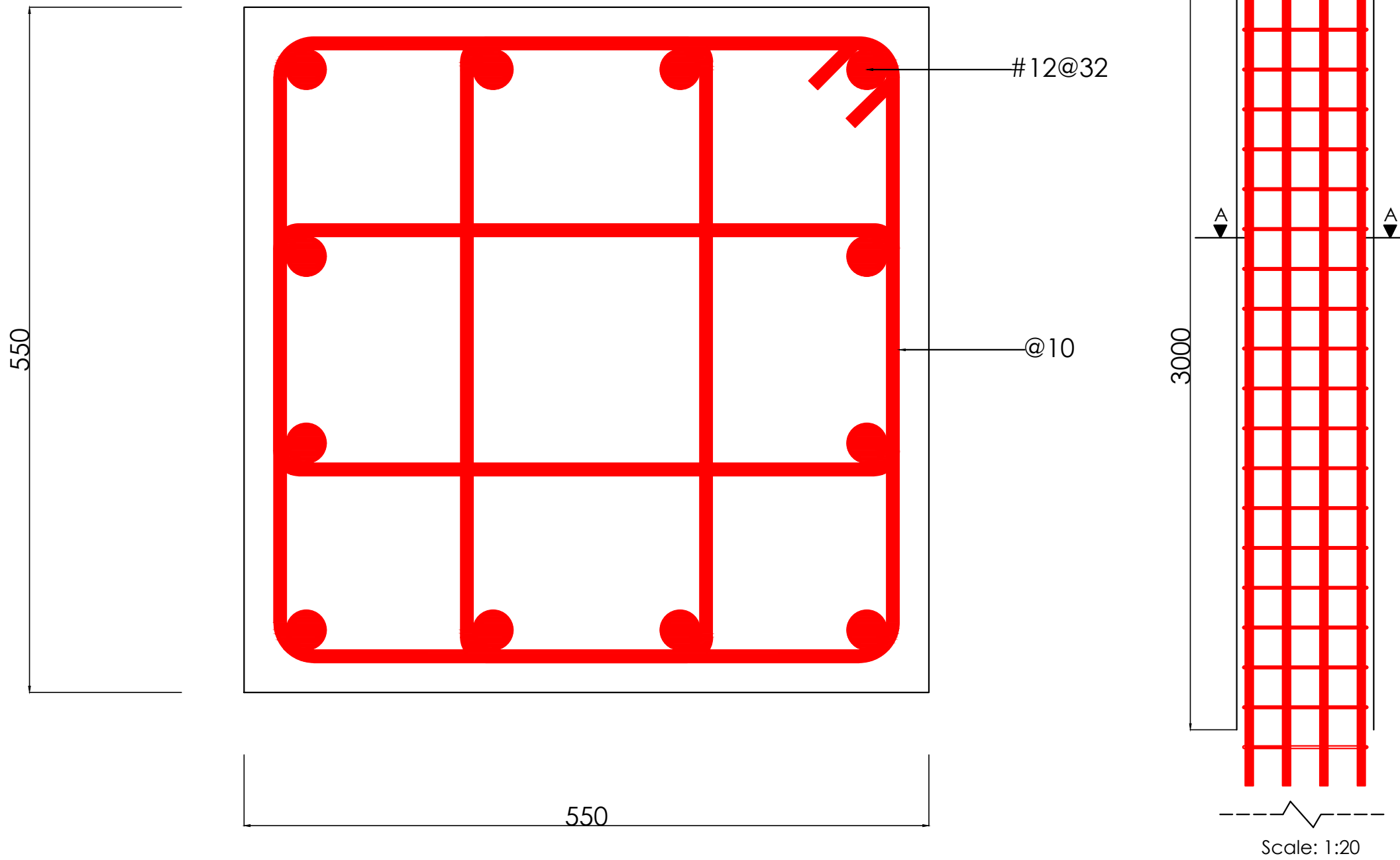
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column (3m out of 6m)

Columns: 96.

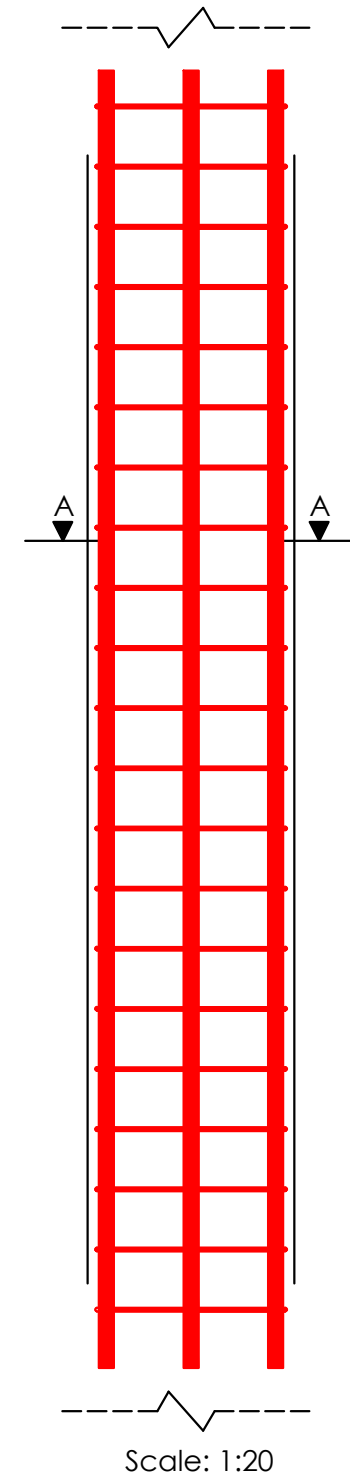
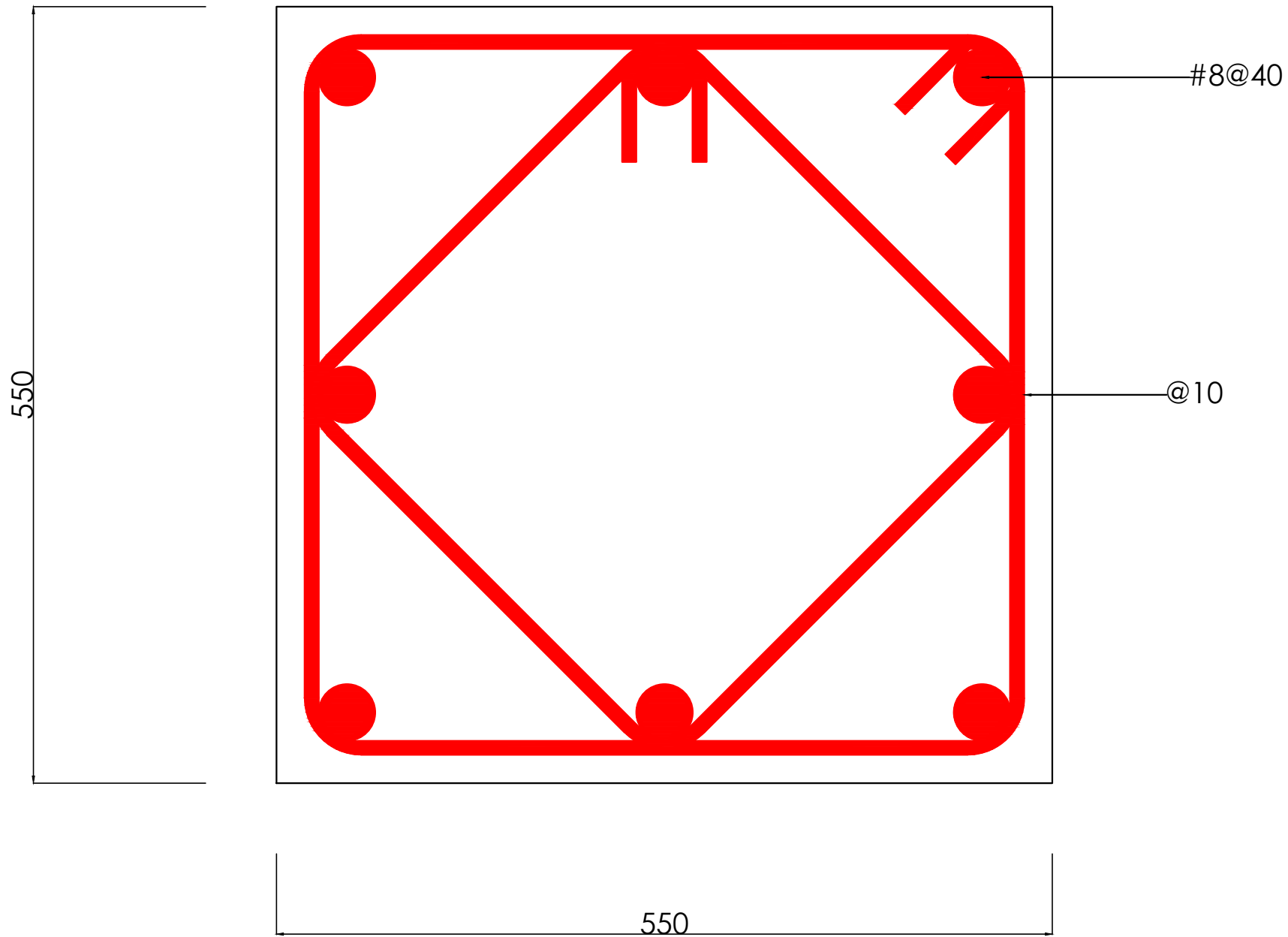
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column (3m out of 6m)

Columns: 97, 120, 121.

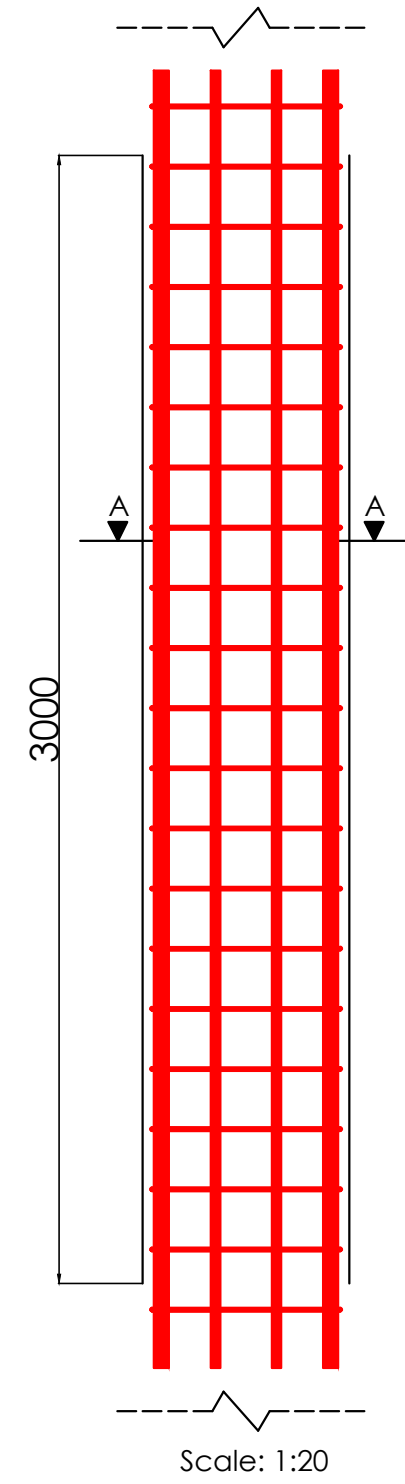
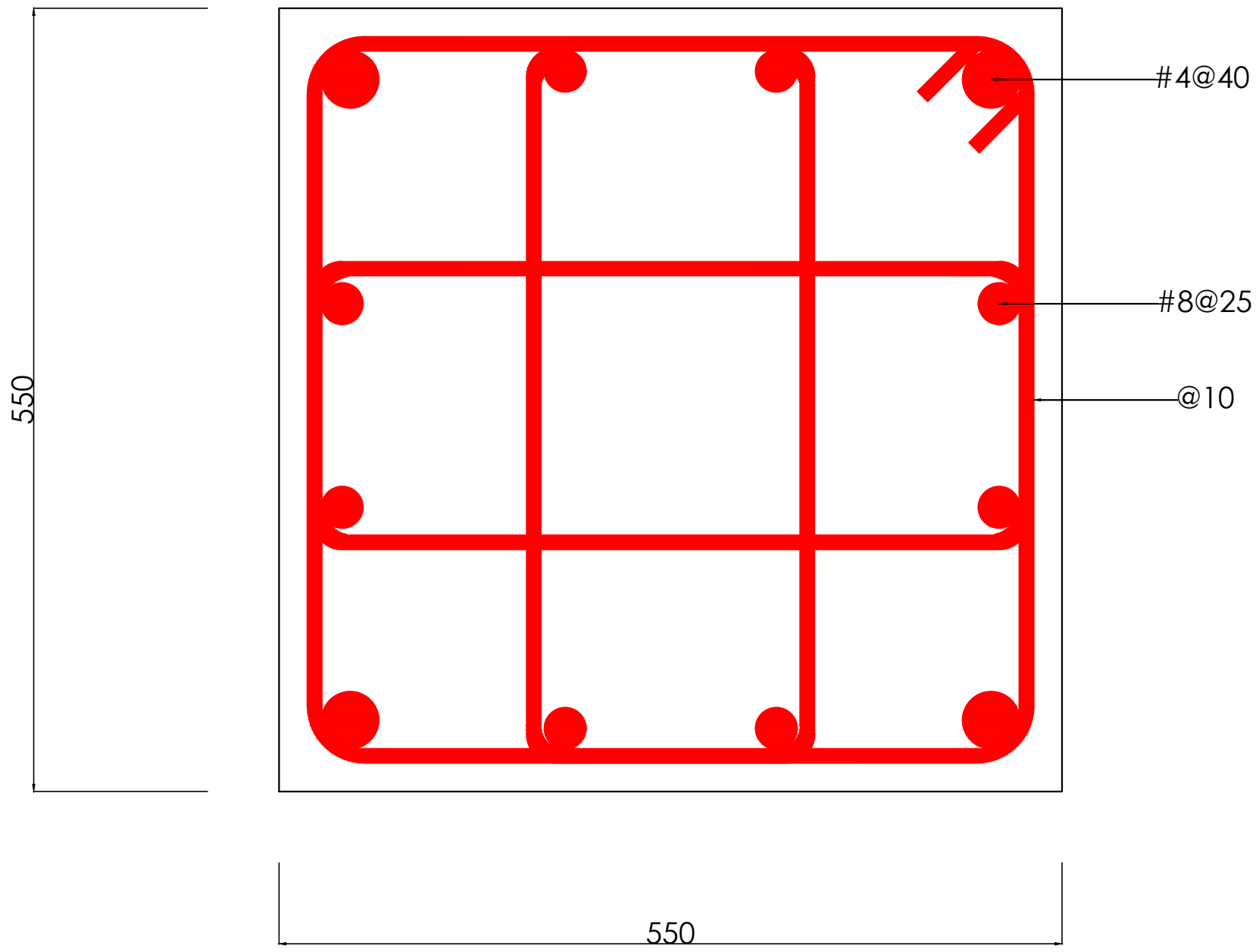
Cross Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column (3m out of 6m)

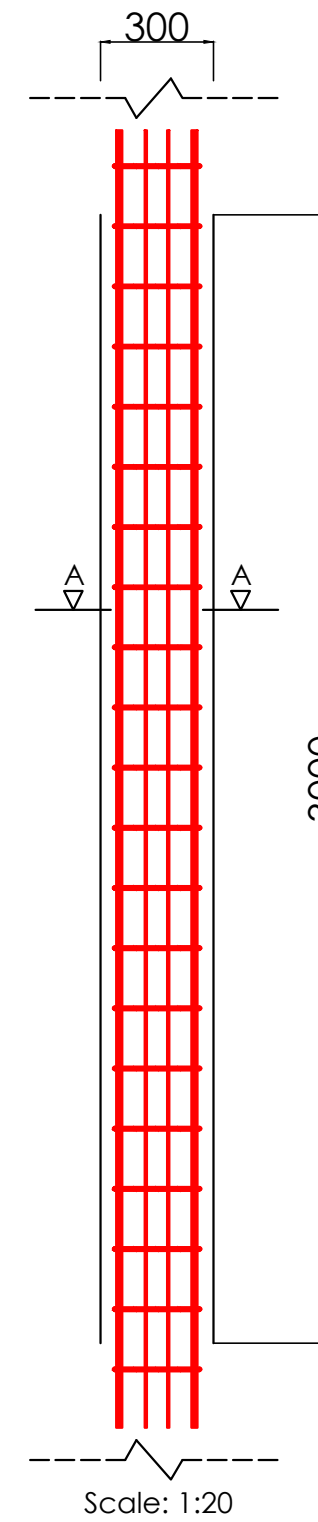
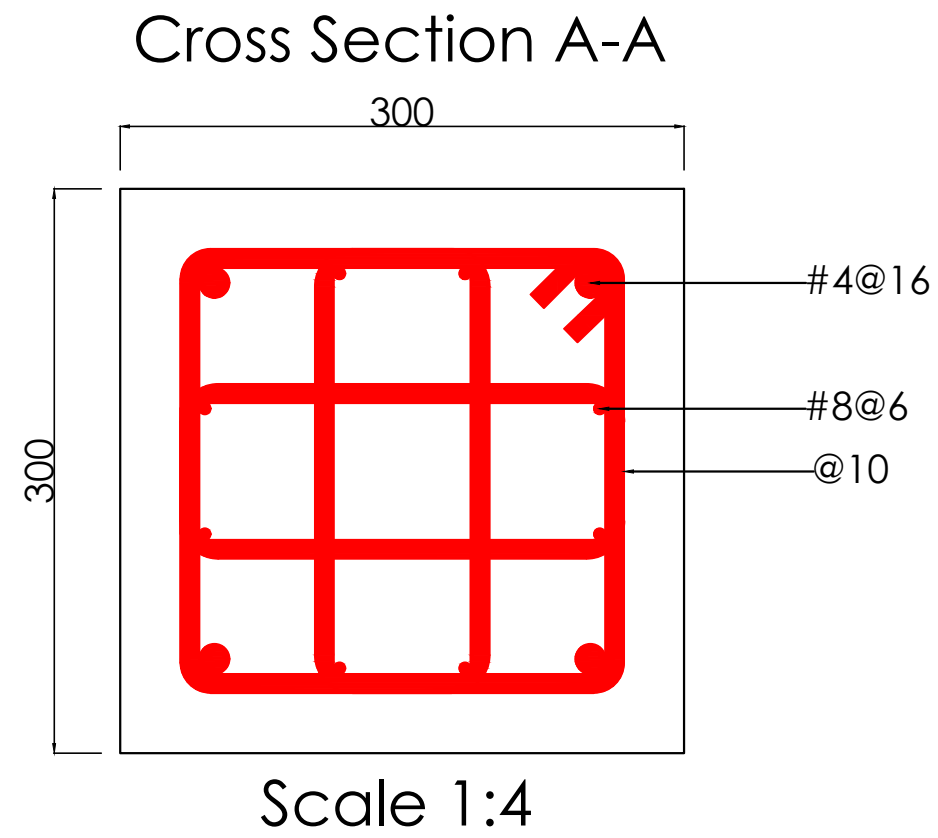
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Cross Section A-A



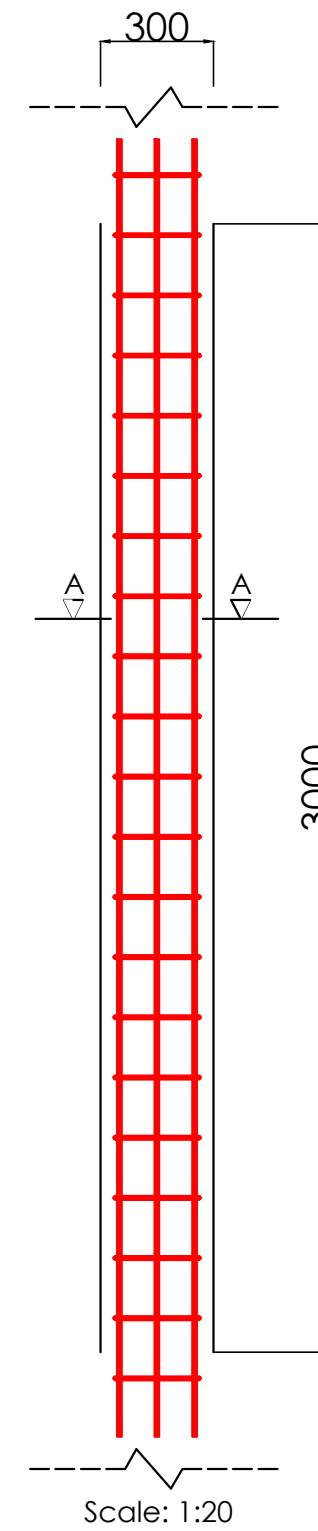
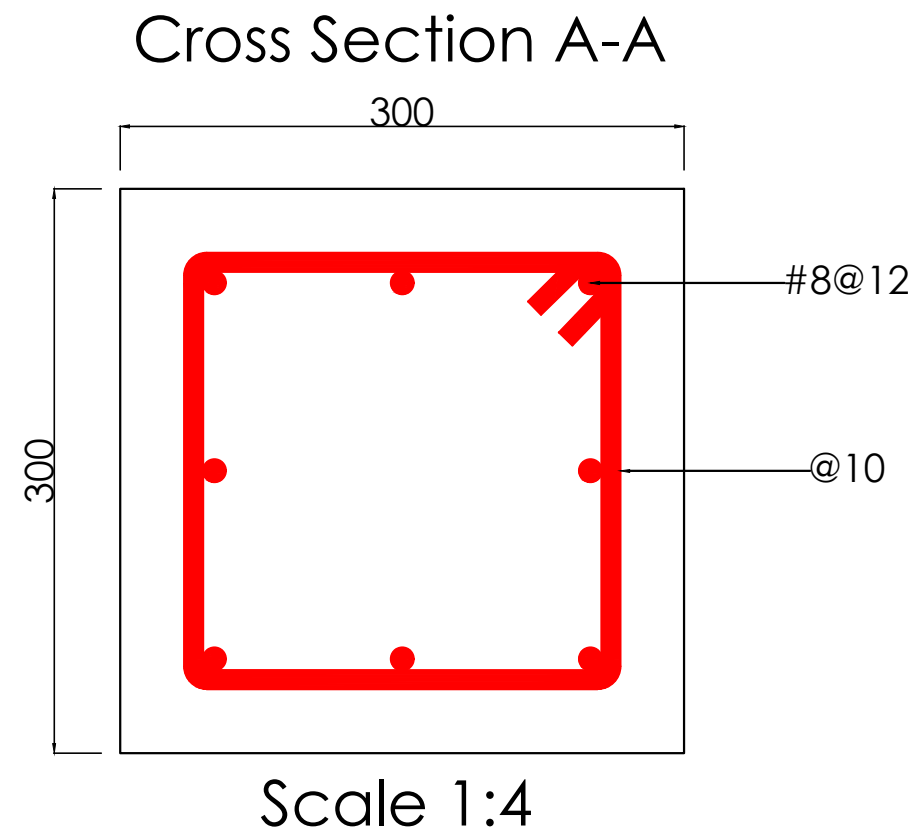
Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column (3m out of 6m)

Columns: 157.



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column (3m out of 6m)

Columns: 158, 159, 160, 161.

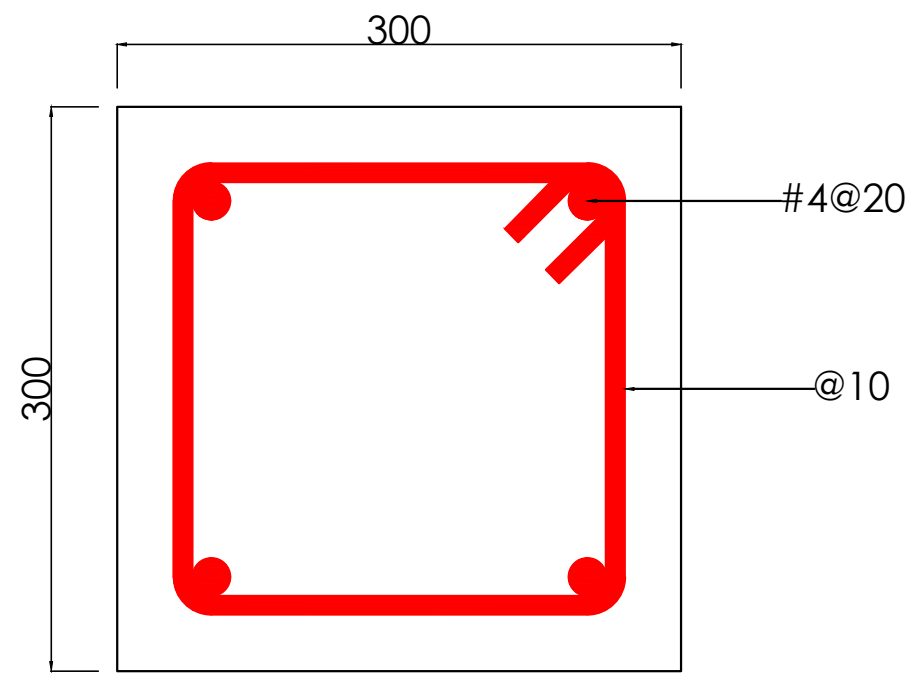


Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column (3m out of 6m)

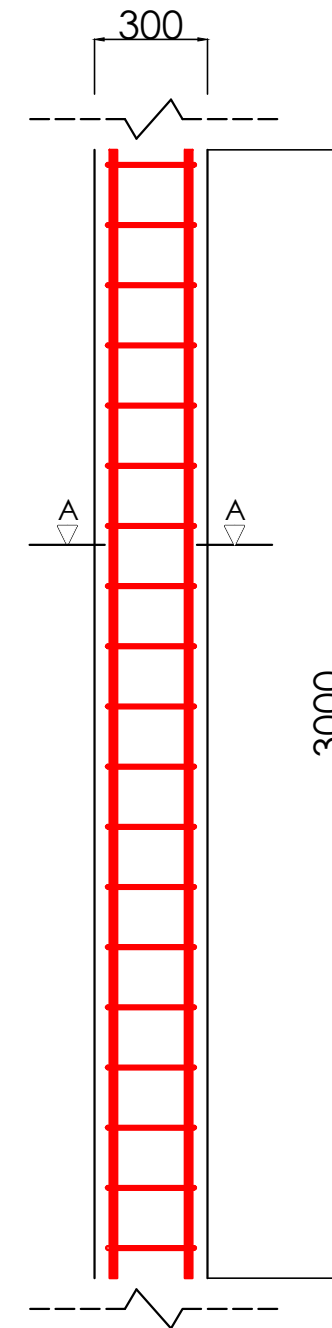
Columns: 162.



Cross Section A-A



Scale 1:4

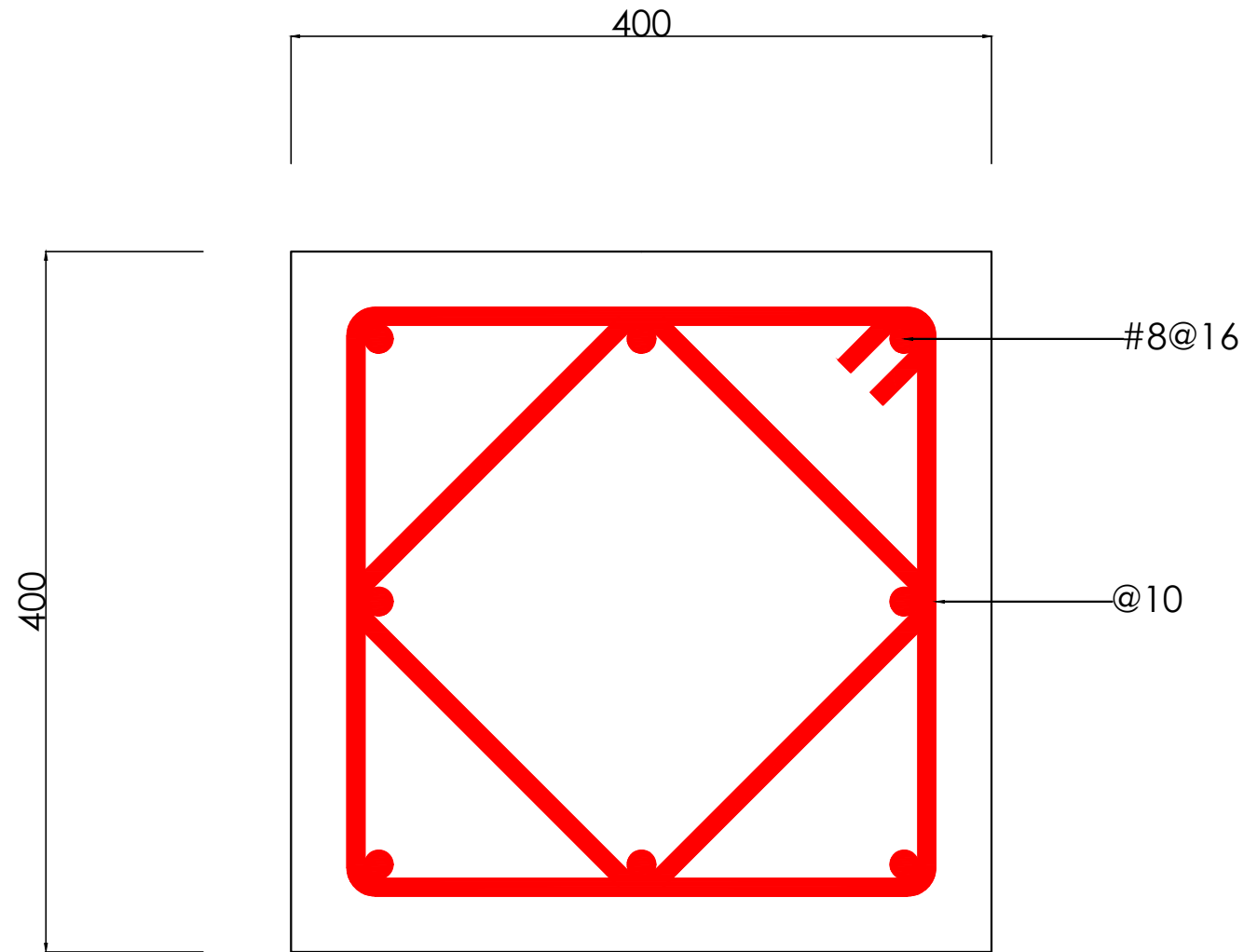


Scale: 1:20

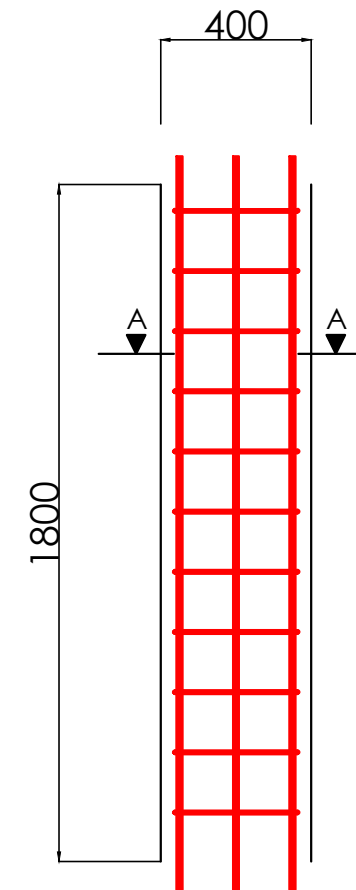
Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column (3m out of 6m)

Columns: 78,151.

Cross Section A-A



Scale 1:4



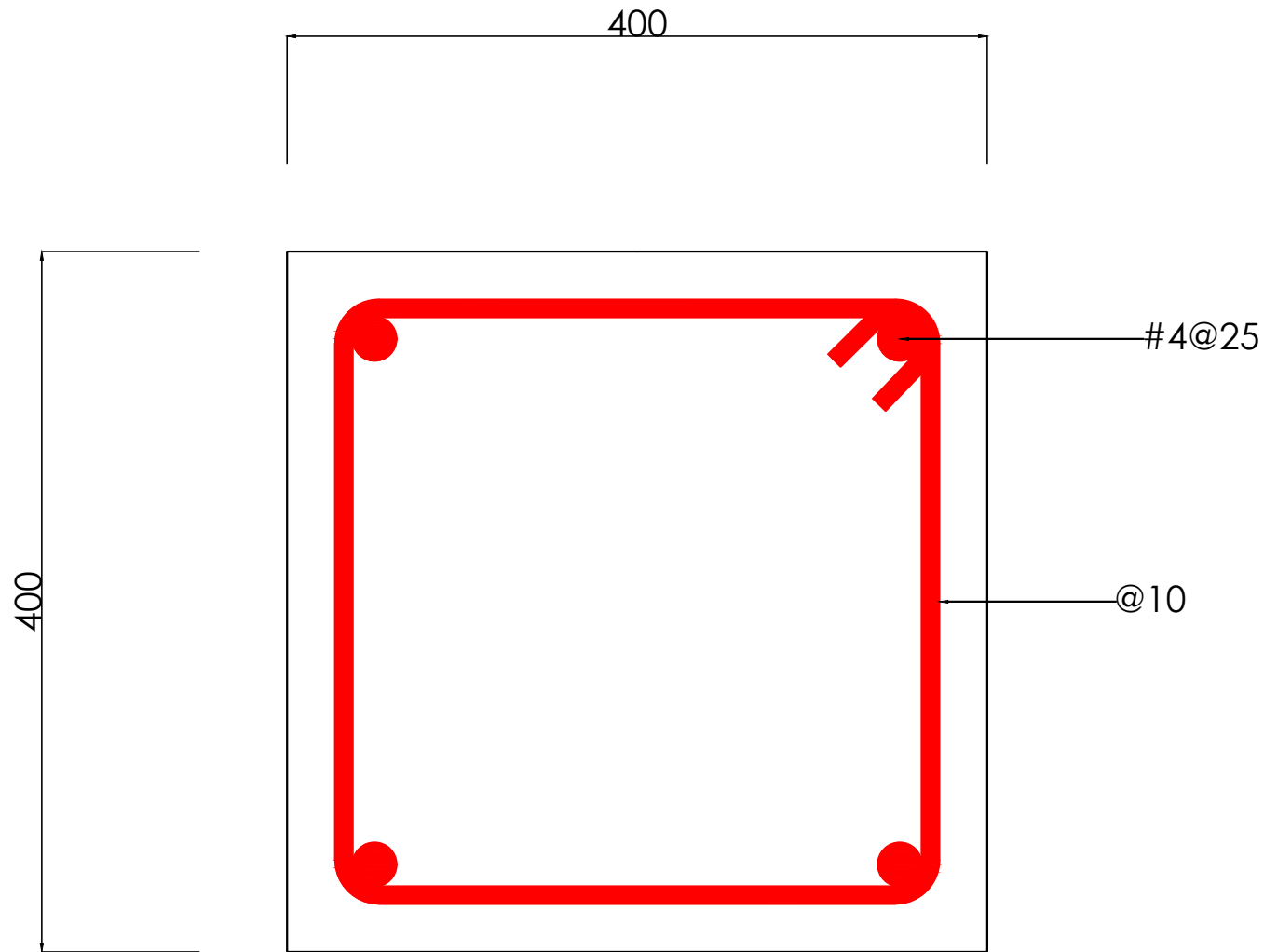
Scale: 1:20



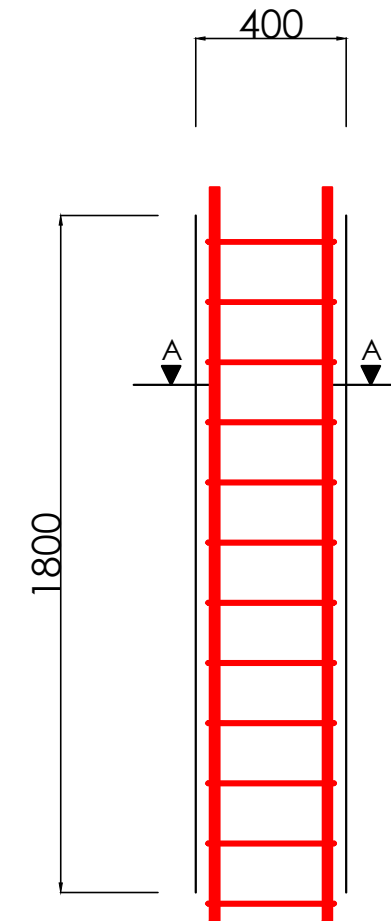
Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

Columns: 90, 138.

Cross Section A-A



Scale 1:4



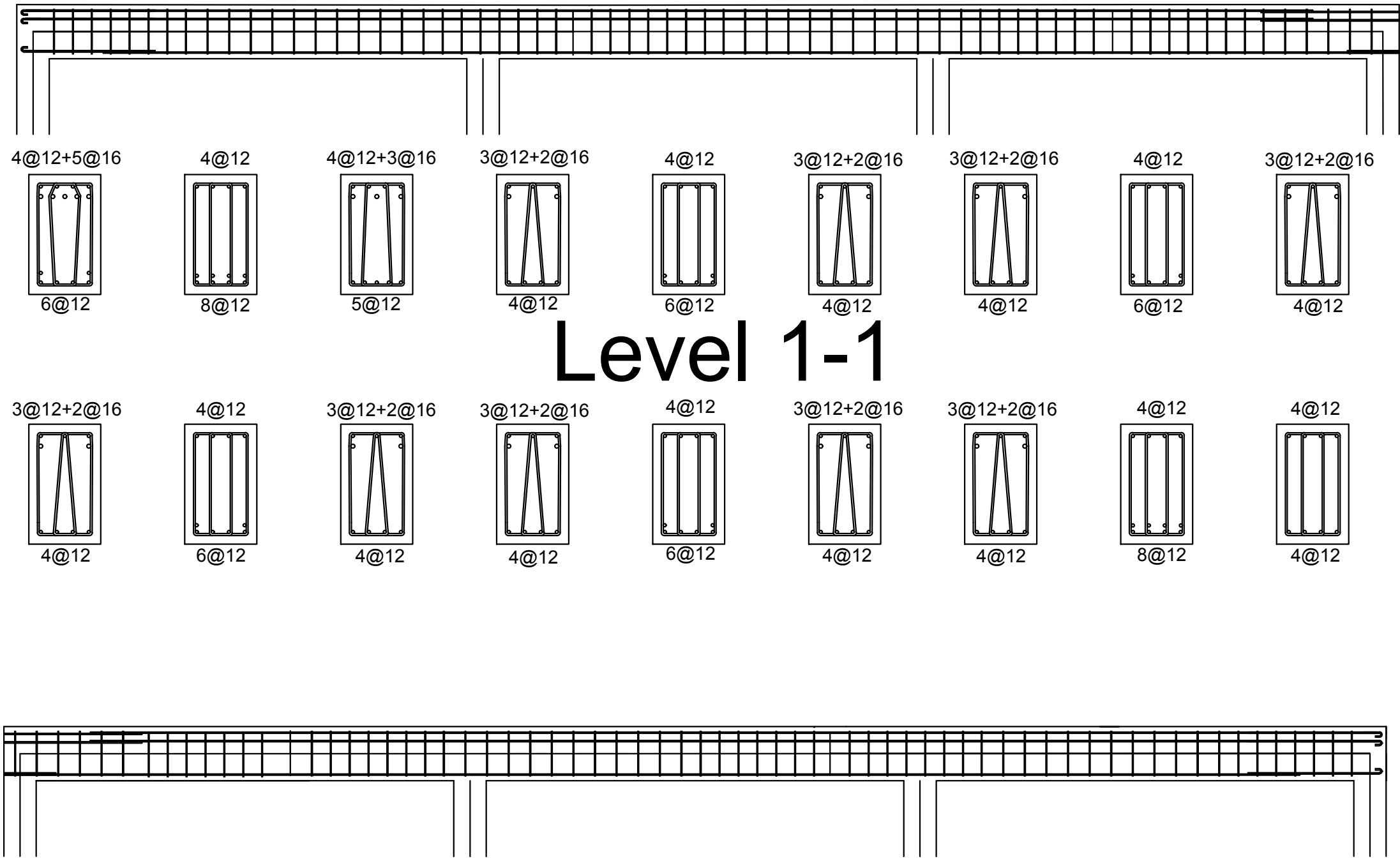
Scale: 1:20



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Column

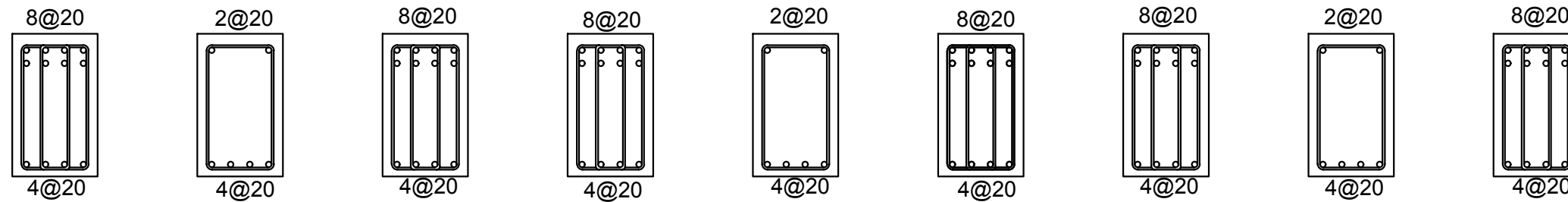
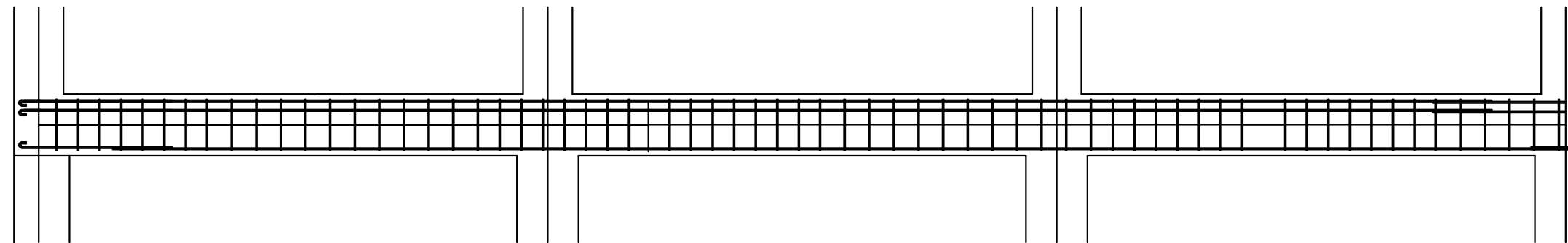


Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

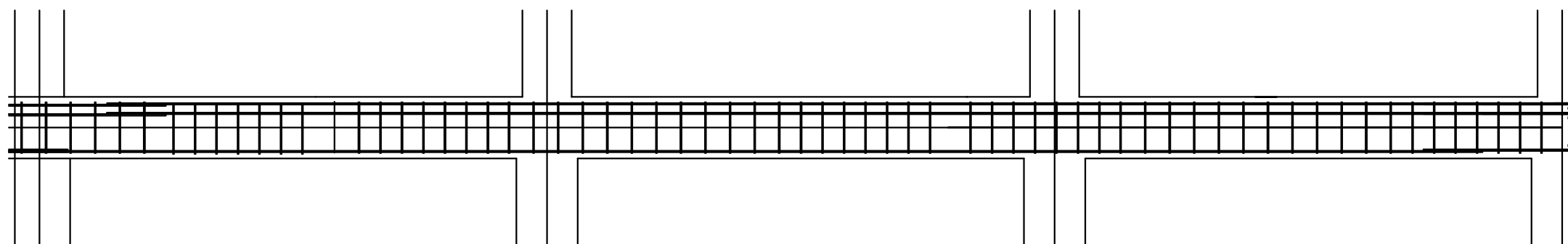
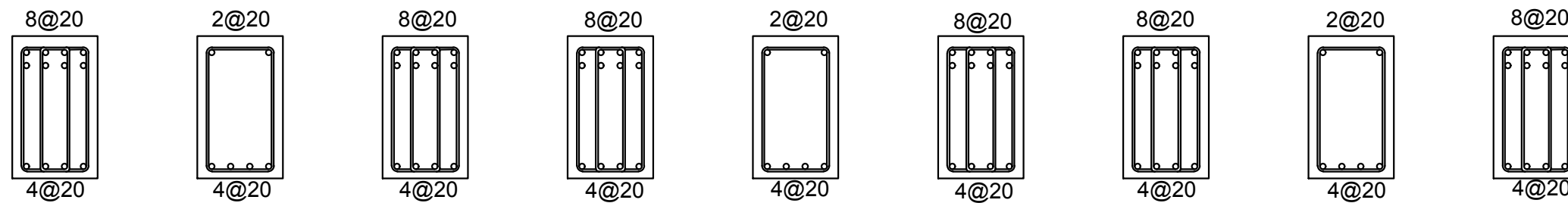


Level 1-1

Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20



Level 1-2



30

Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20



Premium Hotel

Client: DBM Group

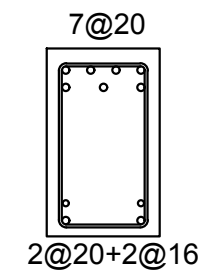
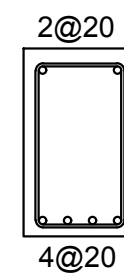
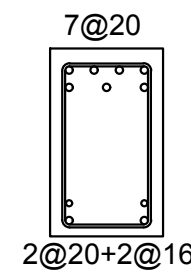
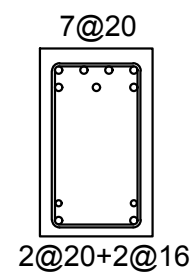
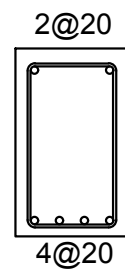
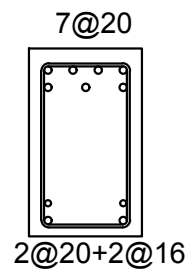
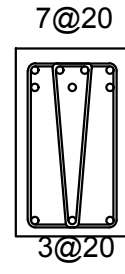
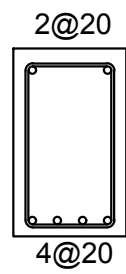
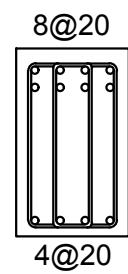
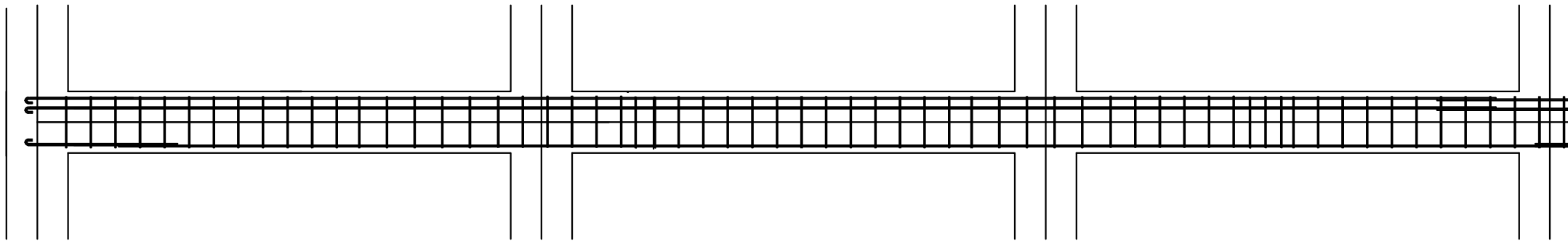
Developer: DBM Group

Supervisor: Abid Nadeem

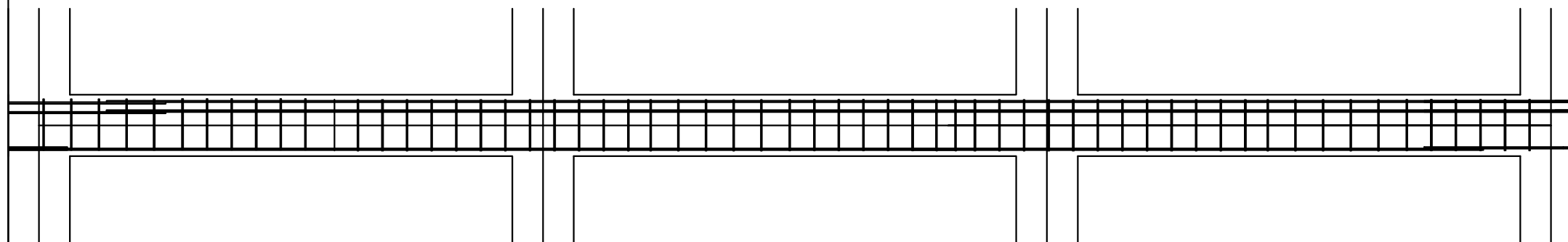
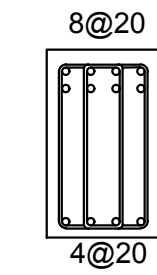
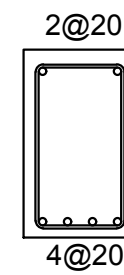
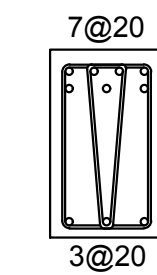
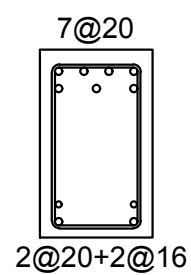
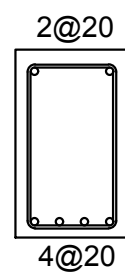
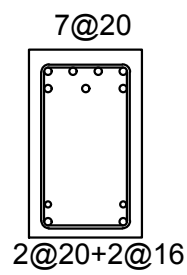
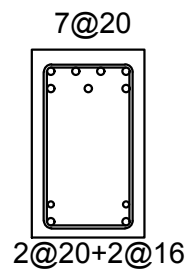
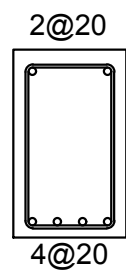
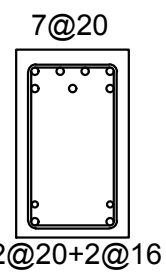
Designer: Ilyas Bakirov

RC Beam Detailing

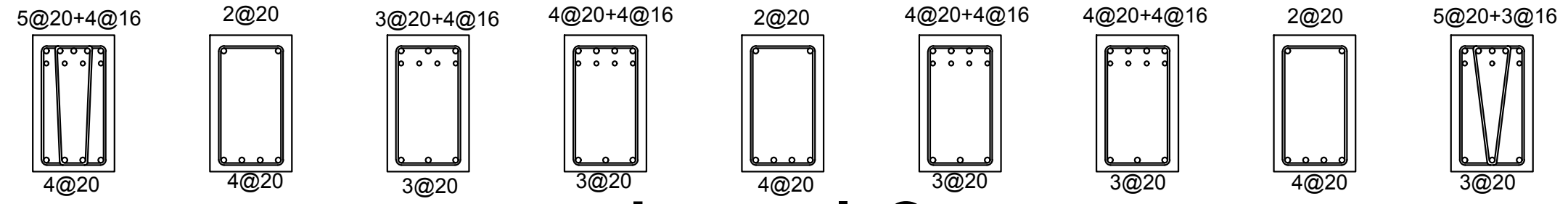
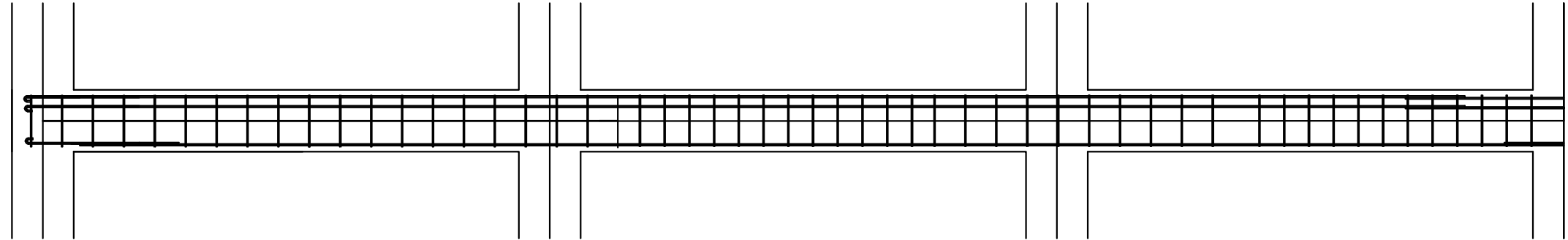
Scale: 1:20



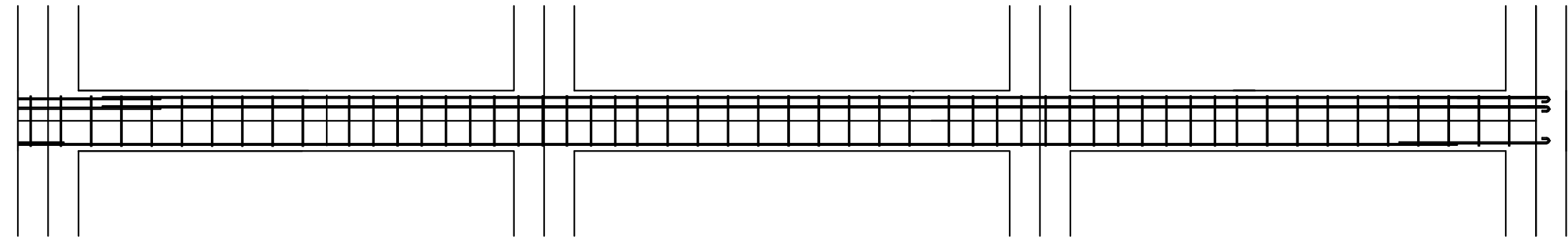
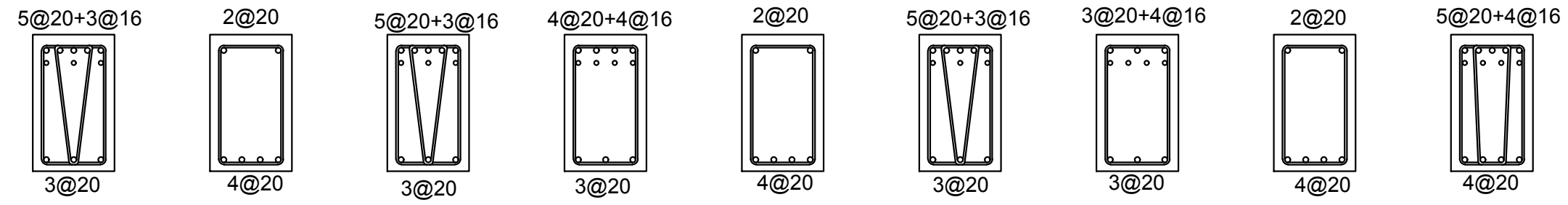
Level 2



Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20



Level 3



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

Beam Width = 300 mm
 Beam Height = 500 mm
 Scale 1:20



Premium Hotel

Client: DBM Group

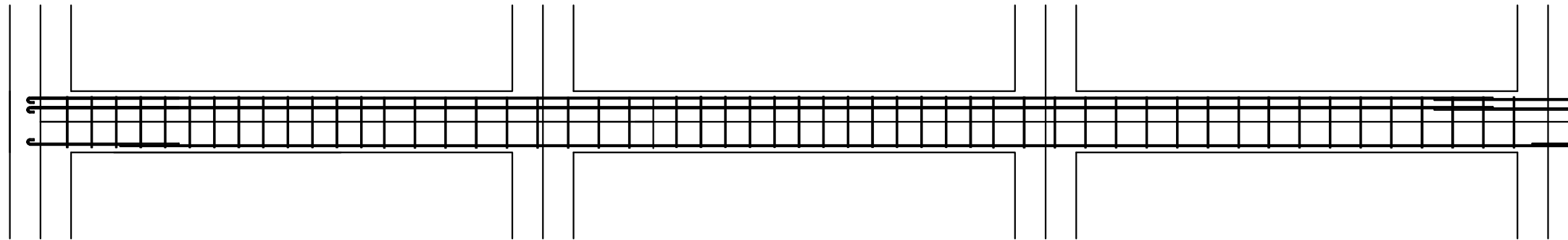
Developer: DBM Group

Supervisor: Abid Nadeem

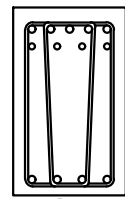
Designer: Ilyas Bakirov

RC Beam Detailing

Scale: 1:20

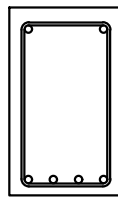


5@20+4@16



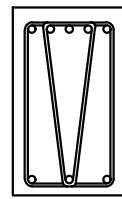
4@20

2@20



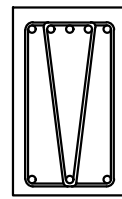
4@20

5@20



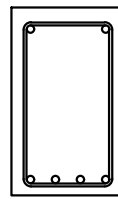
3@20

5@20+2@16



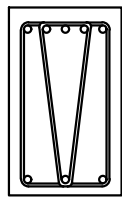
3@20

2@20



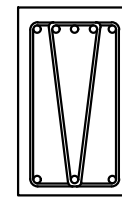
4@20

5@20+2@16



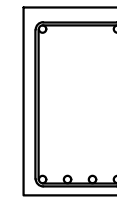
3@20

5@20+2@16



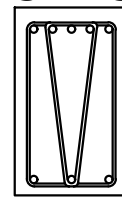
3@20

2@20



4@20

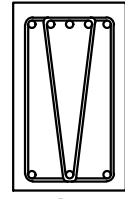
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3@20

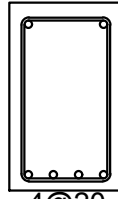
Level 4

5@20+2@16



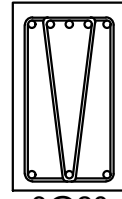
3@20

2@20



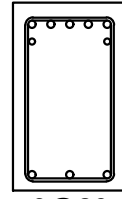
4@20

5@20+2@16



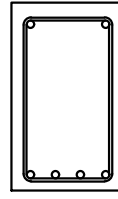
3@20

5@20+2@16



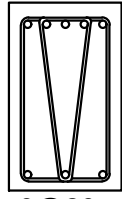
3@20

2@20



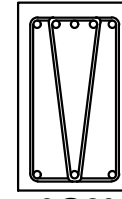
4@20

5@20+2@16



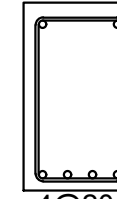
3@20

5@20



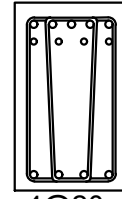
3@20

2@20

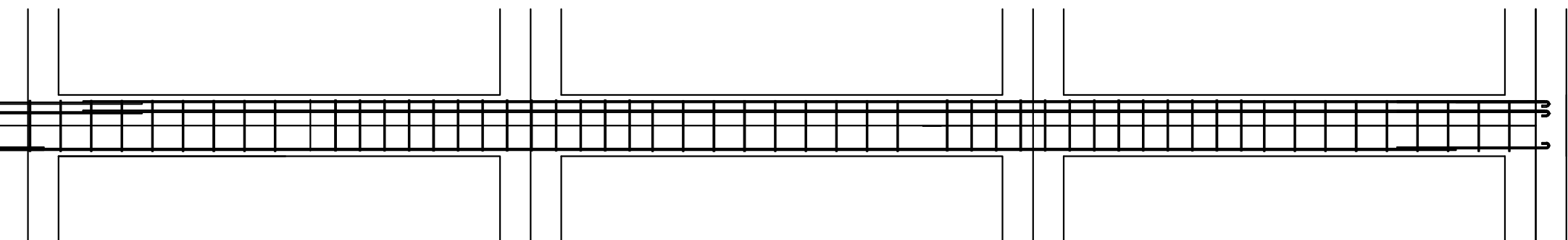


4@20

5@20+4@16



4@20



Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20



Premium Hotel

Client: DBM Group

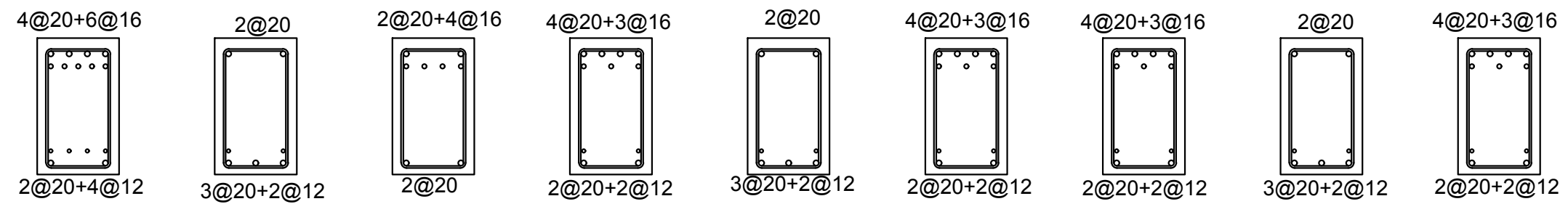
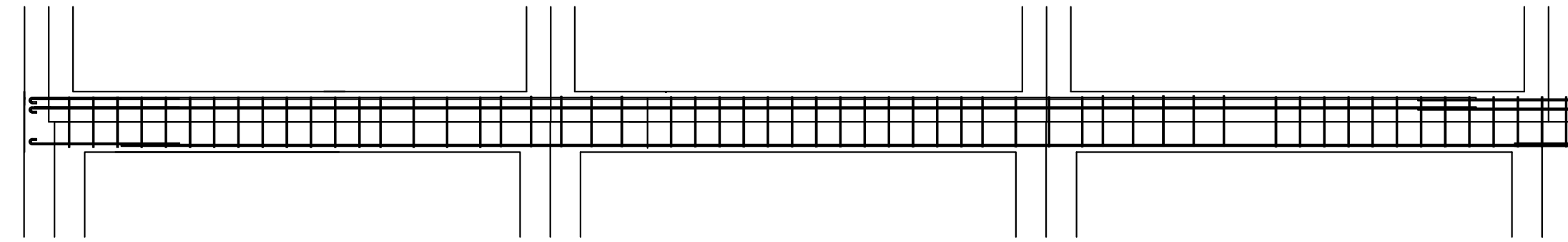
Developer: DBM Group

Supervisor: Abid Nadeem

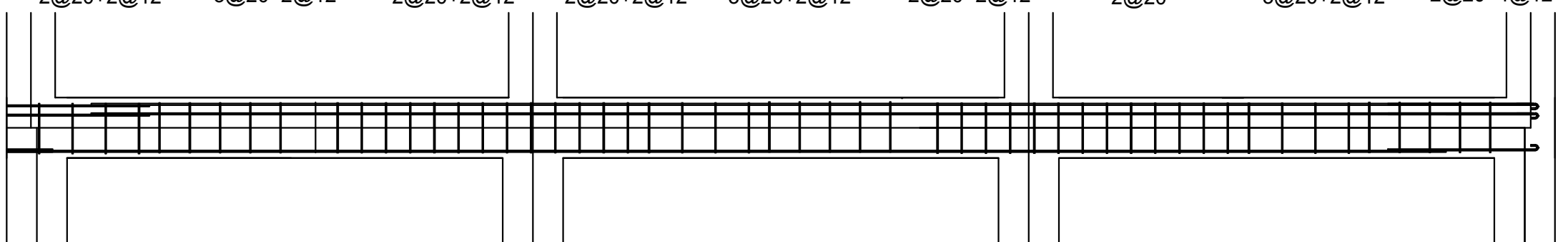
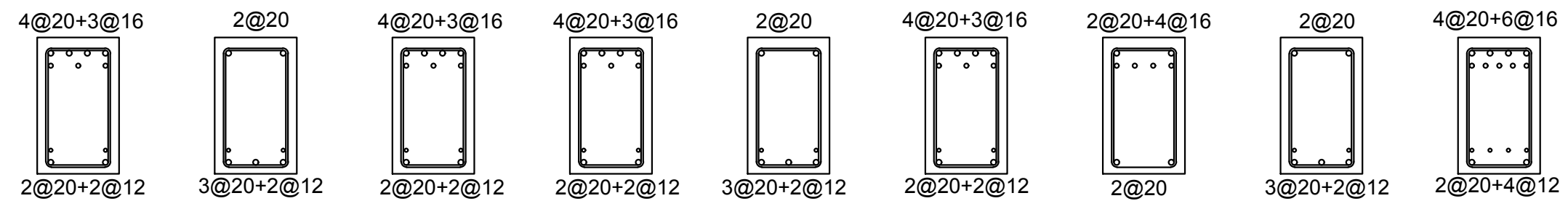
Designer: Ilyas Bakirov

RC Beam Detailing

Scale: 1:20



Level 5



Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20



Premium Hotel

Client: DBM Group

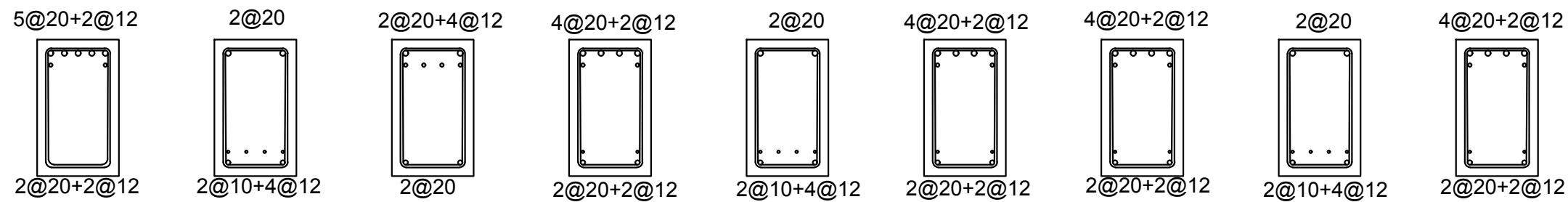
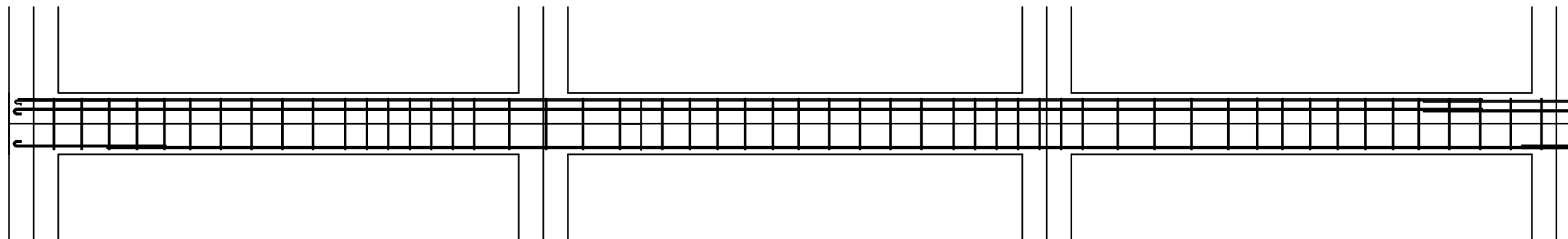
Developer: DBM Group

Supervisor: Abid Nadeem

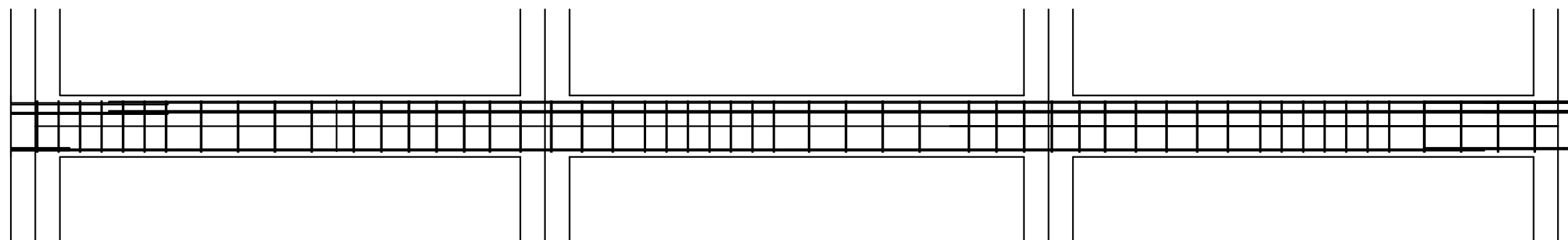
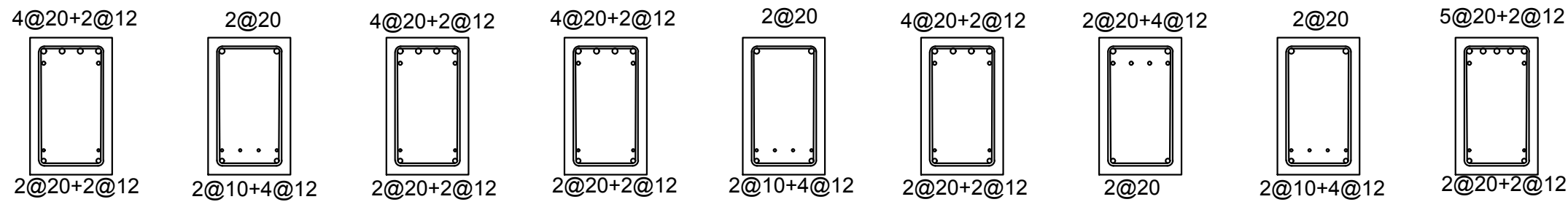
Designer: Ilyas Bakirov

RC Beam Detailing

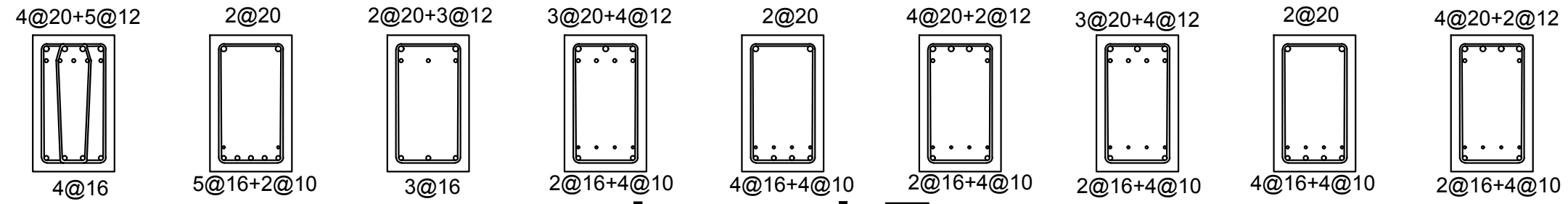
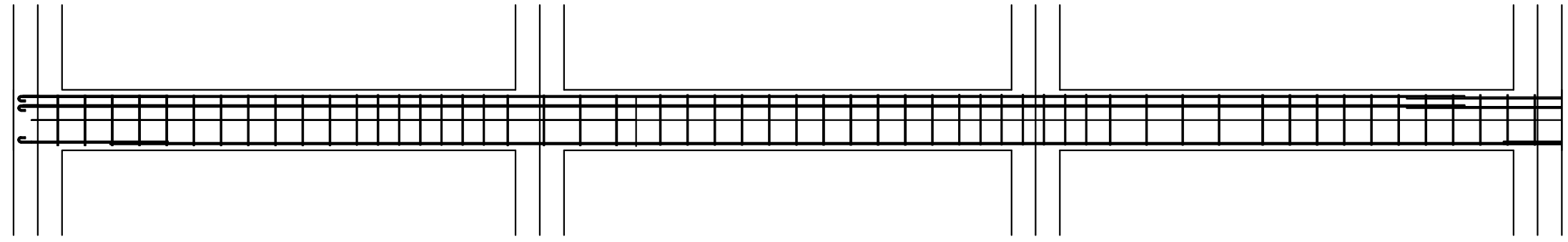
Scale: 1:20



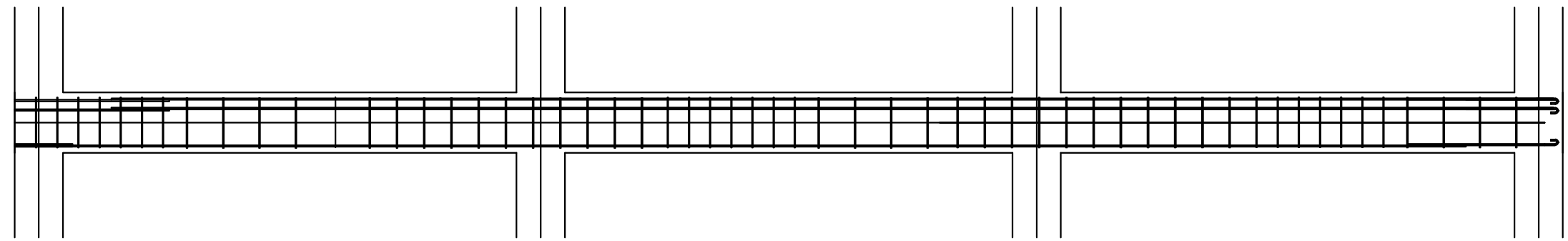
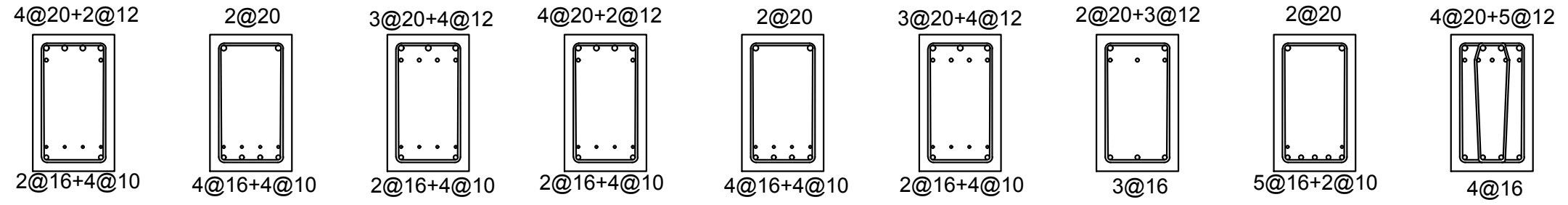
Level 6



Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20

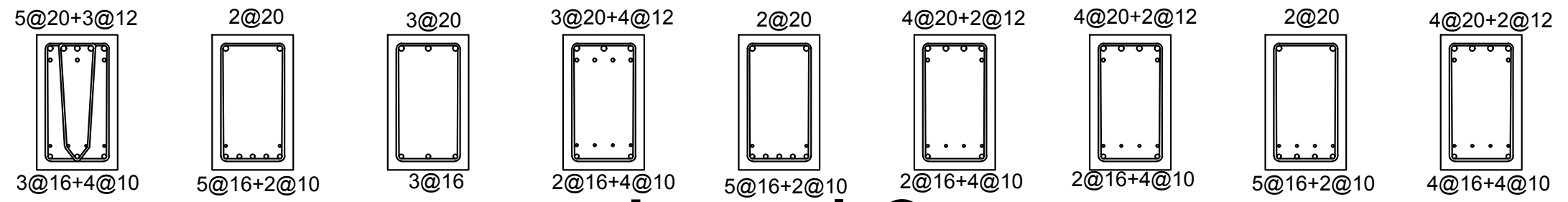
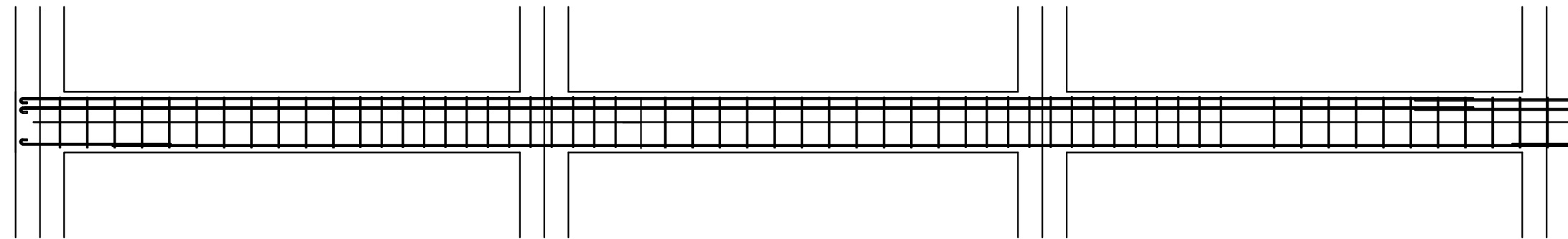


Level 7

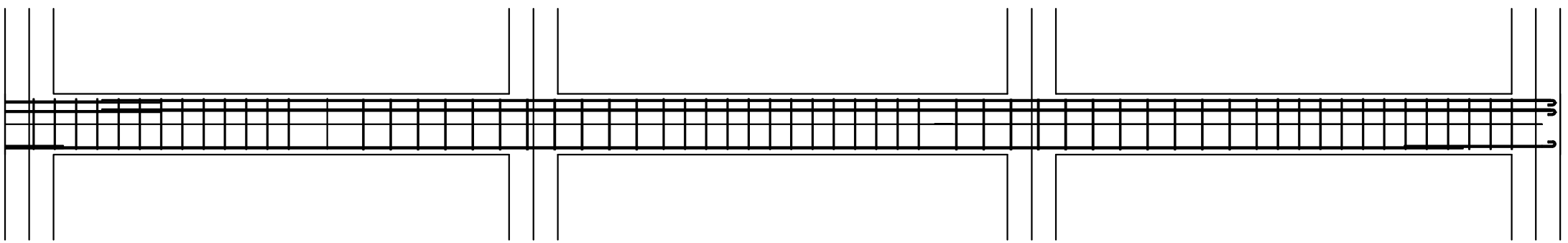
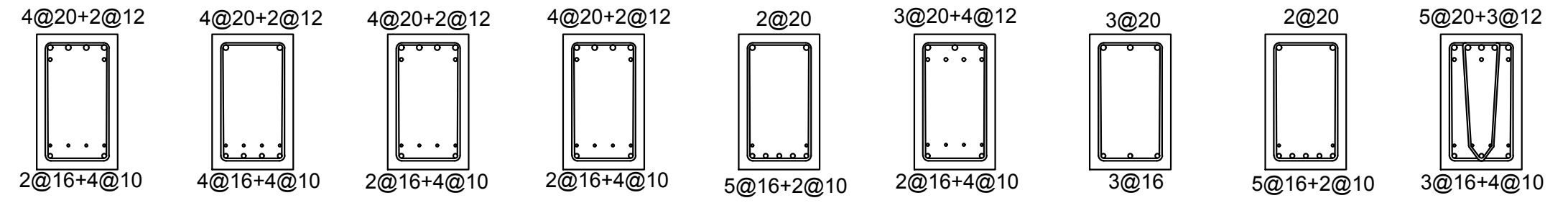


Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20



Level 8



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

Beam Width = 300 mm
 Beam Height = 500 mm
 Scale 1:20



Premium Hotel

Client: DBM Group

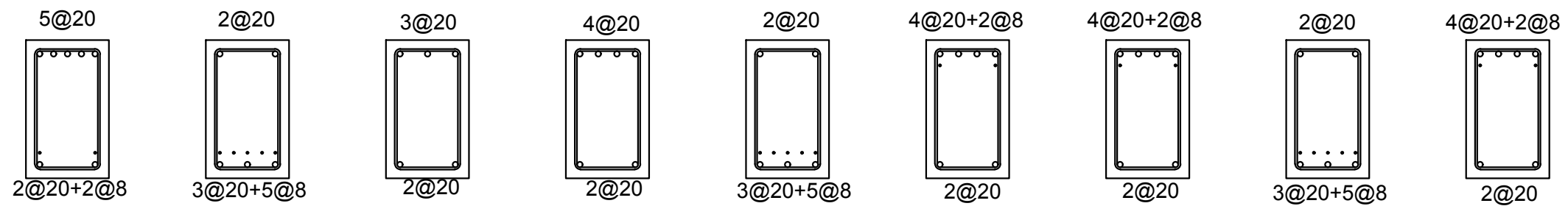
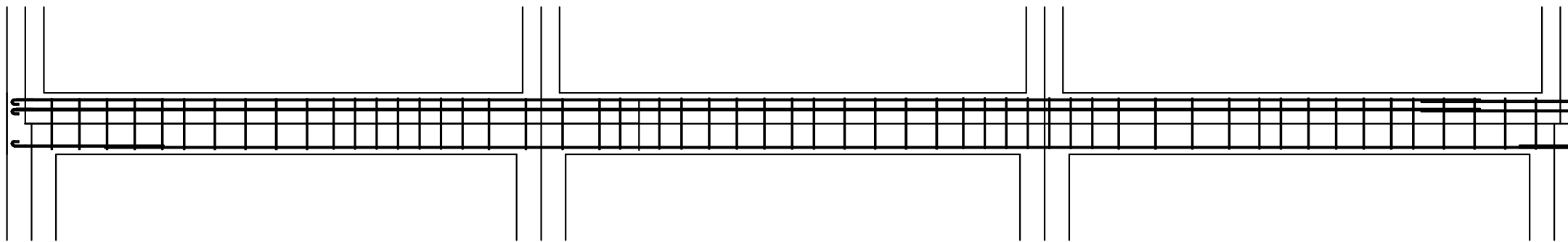
Developer: DBM Group

Supervisor: Abid Nadeem

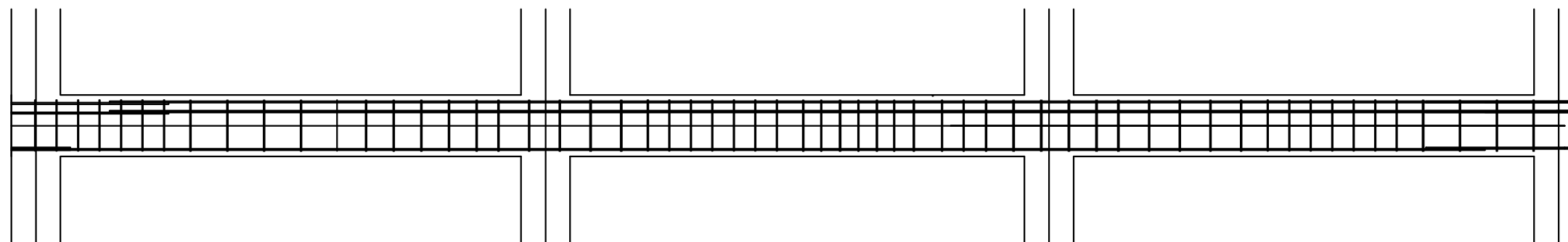
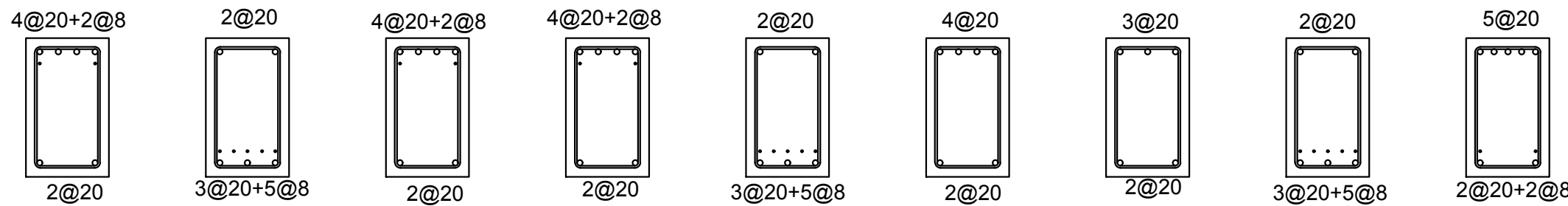
Designer: Ilyas Bakirov

RC Beam Detailing

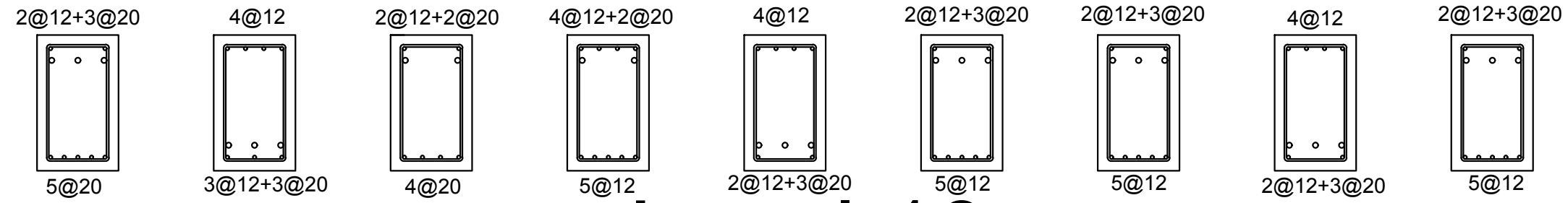
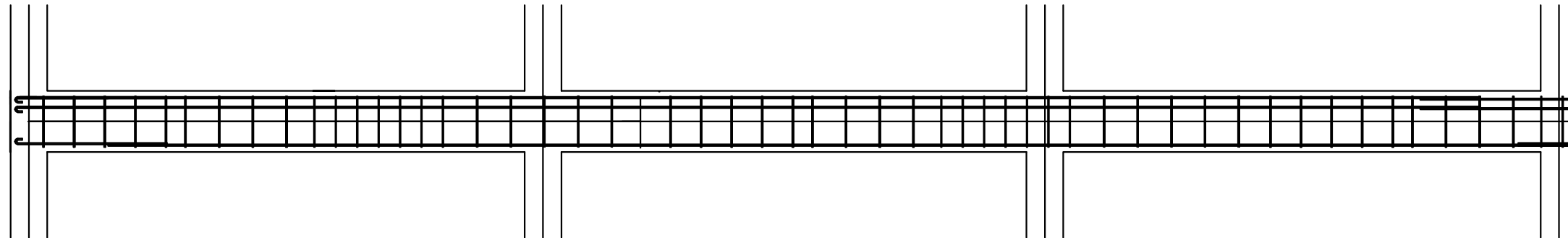
Scale: 1:20



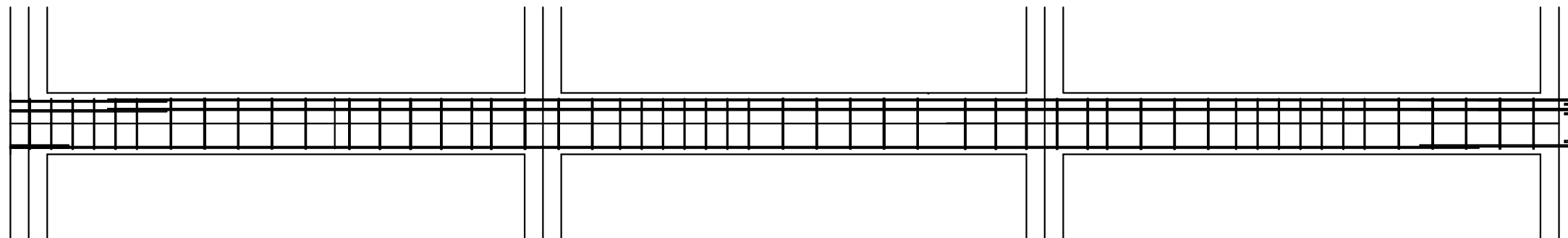
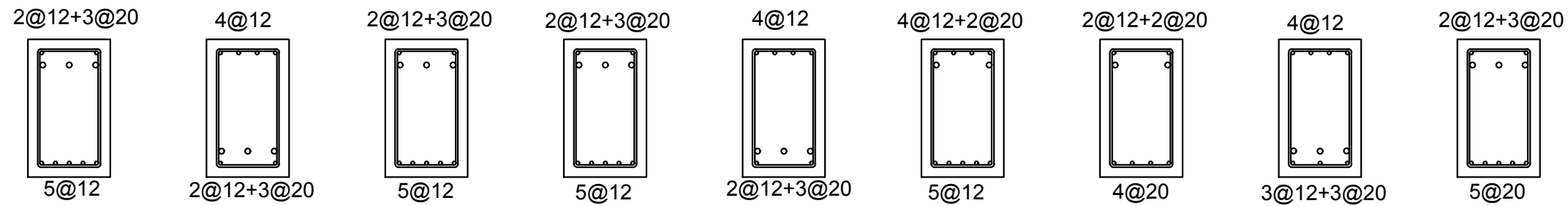
Level 9



Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20

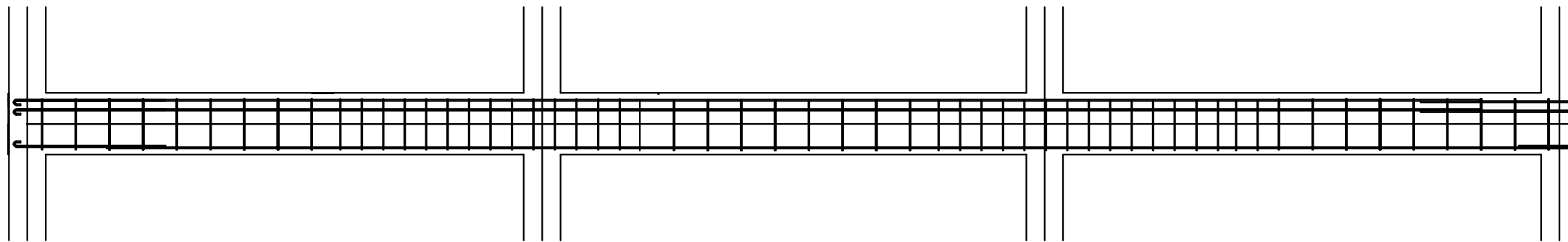


Level 10

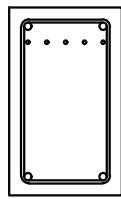


Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20

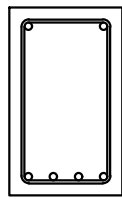


2@20+5@10



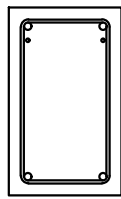
2@20

2@20



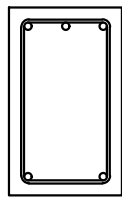
4@20

2@20+2@10



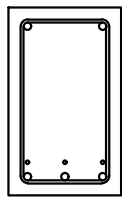
2@20

3@20



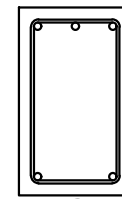
2@20

2@20



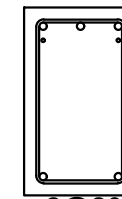
3@20+3@10

3@20+3@10



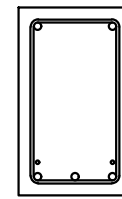
2@20

3@20+3@10



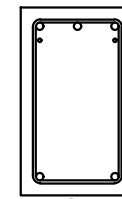
2@20

2@20



3@20+3@10

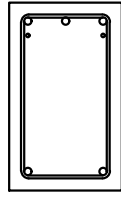
3@20+2@10



2@20

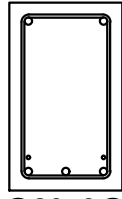
Level 11

3@20+2@10



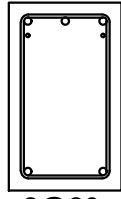
2@20

2@20



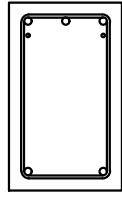
3@20+3@10

3@20+2@10



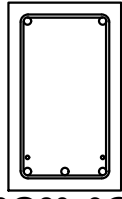
2@20

3@20+2@10



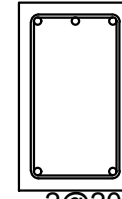
2@20

2@20



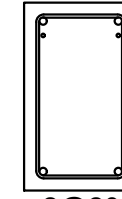
3@20+3@10

3@20



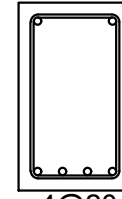
2@20

2@20+2@10



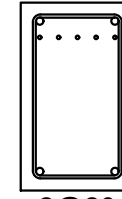
2@20

2@20

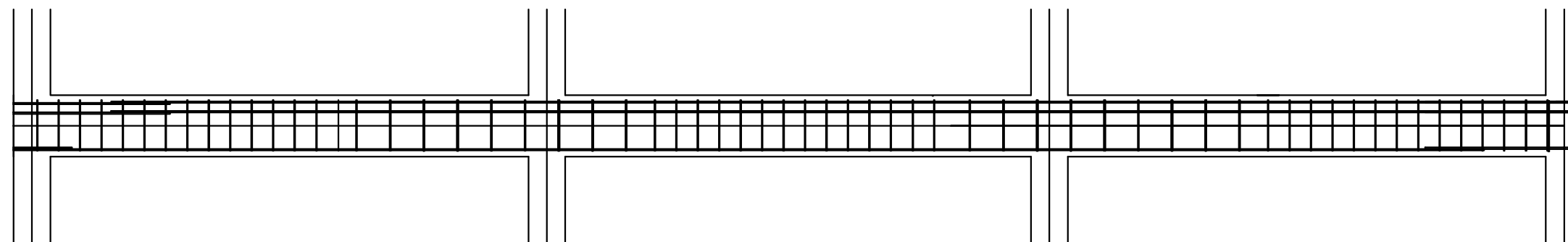


4@20

2@20+5@10



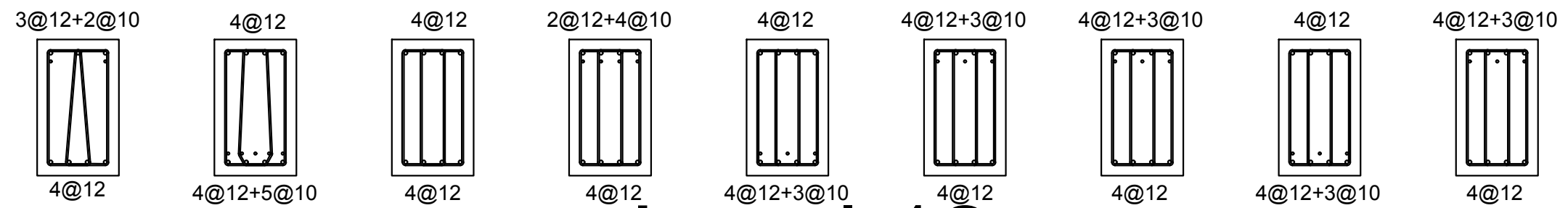
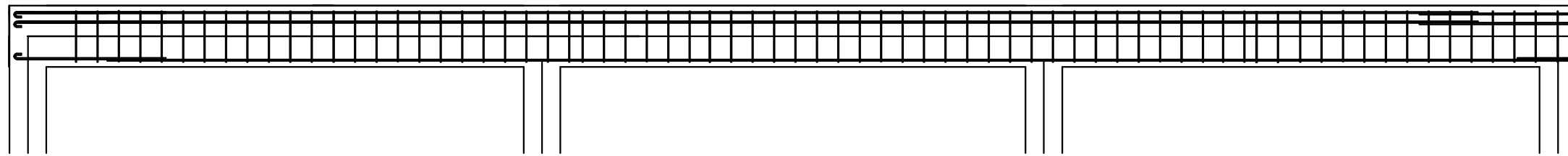
2@20



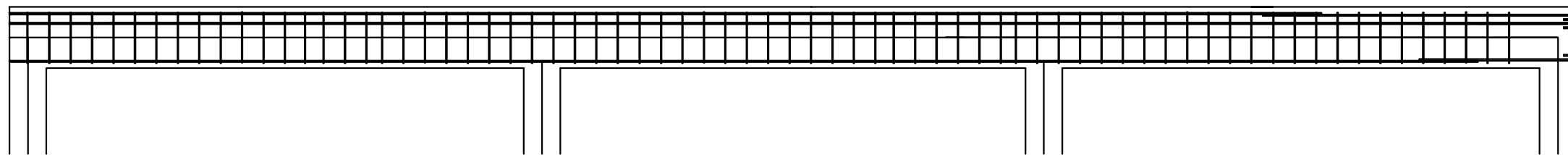
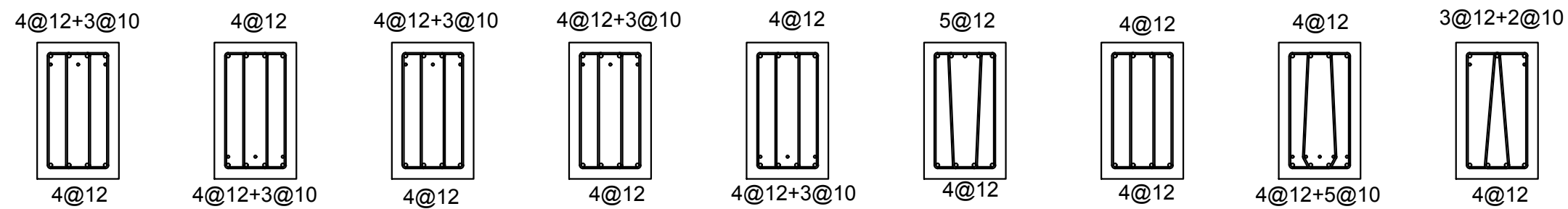
40

Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20



Level 12

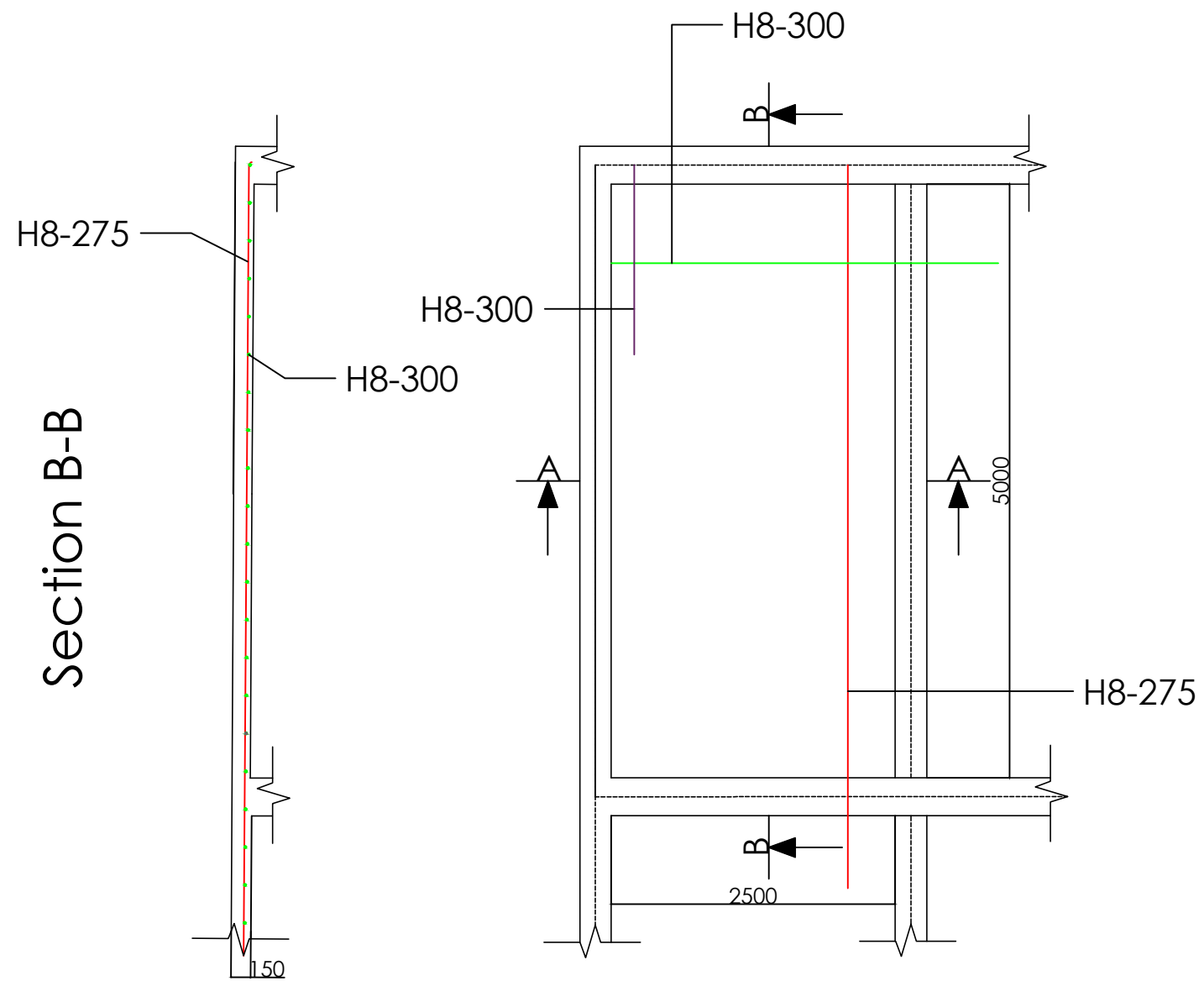
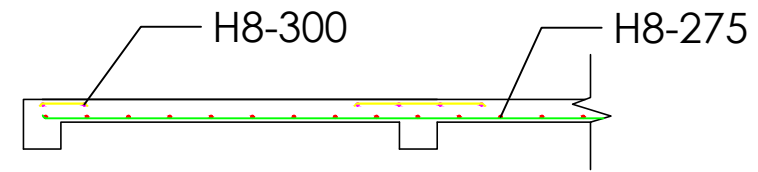


Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Beam Detailing
Scale: 1:20

Beam Width = 300 mm
Beam Height = 500 mm
Scale 1:20

Slab End Support

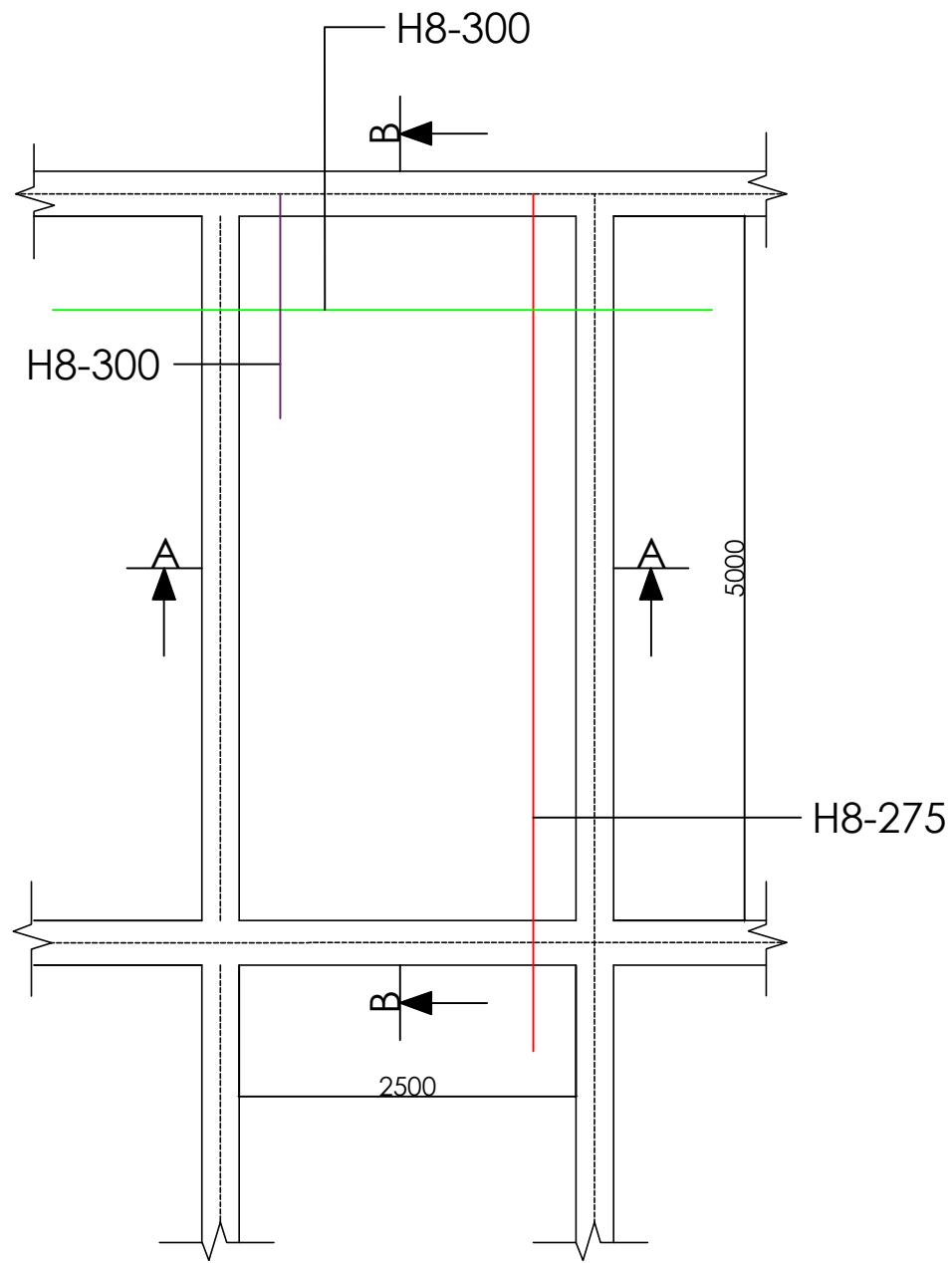
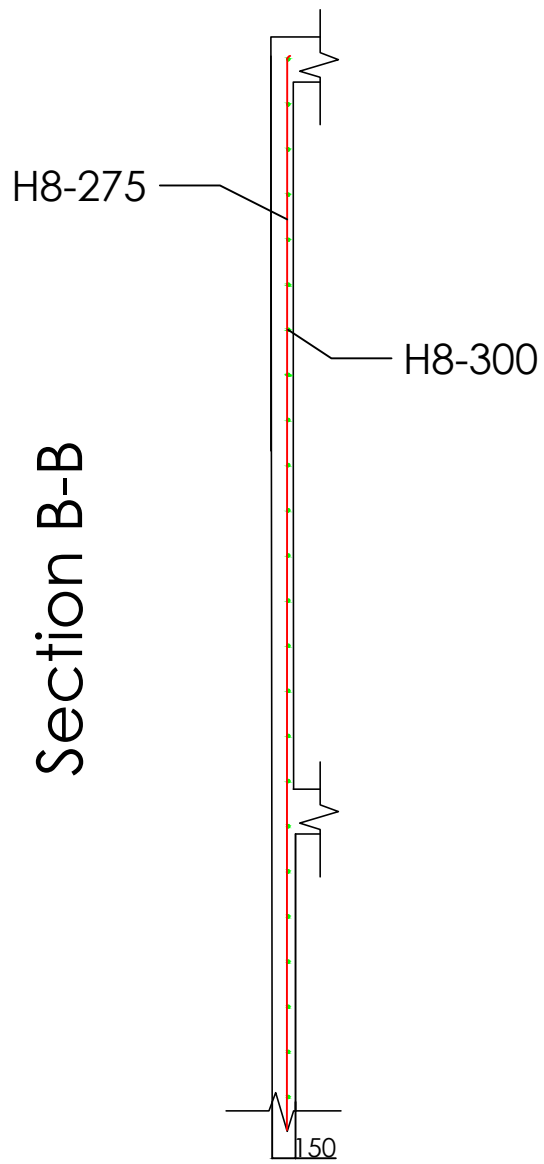
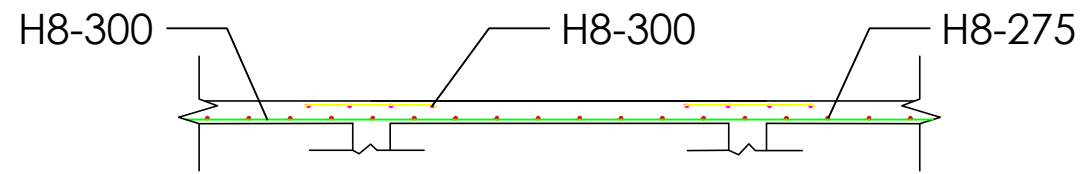
Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Slab Detailing
Scale: 1:20

Slab End Span

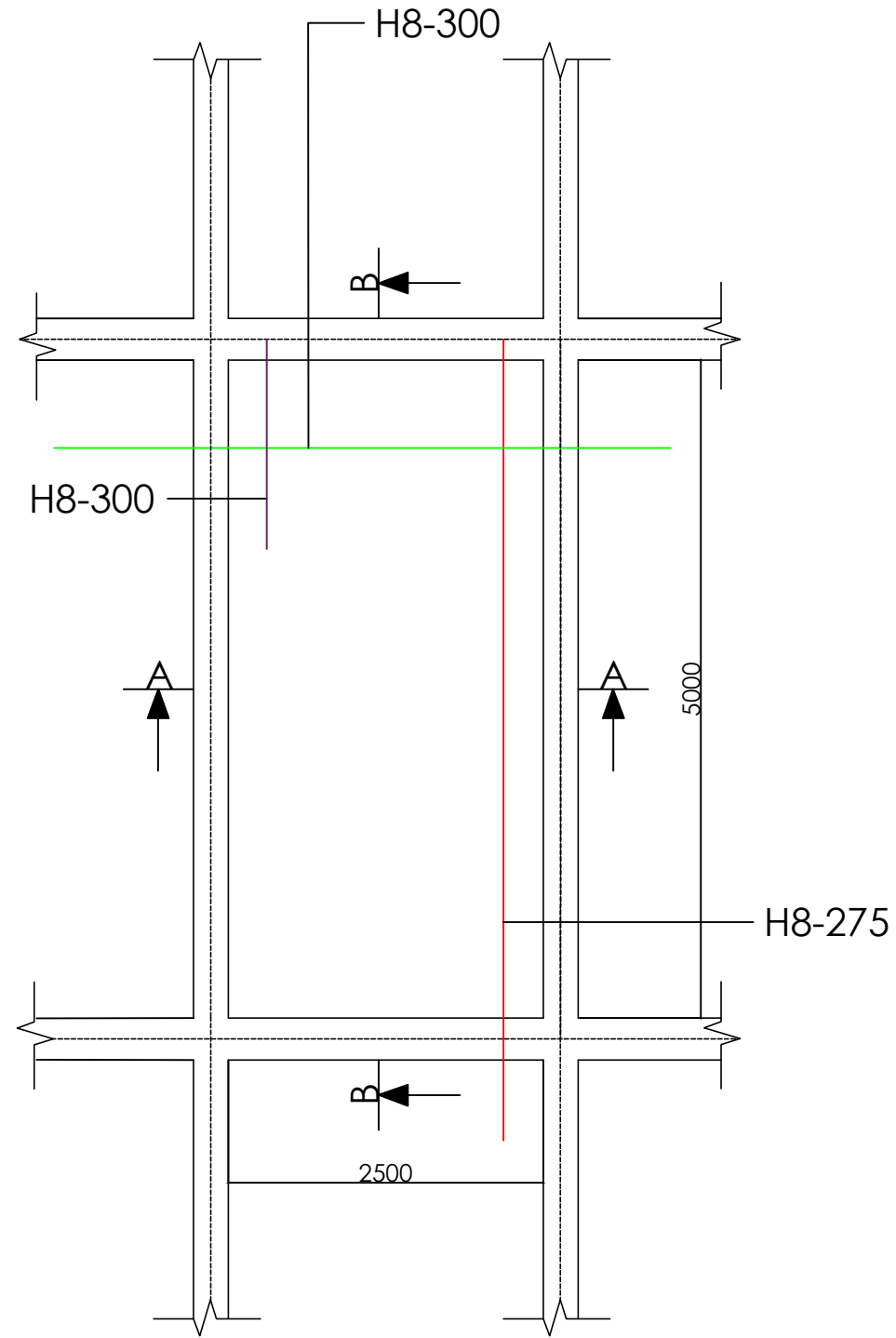
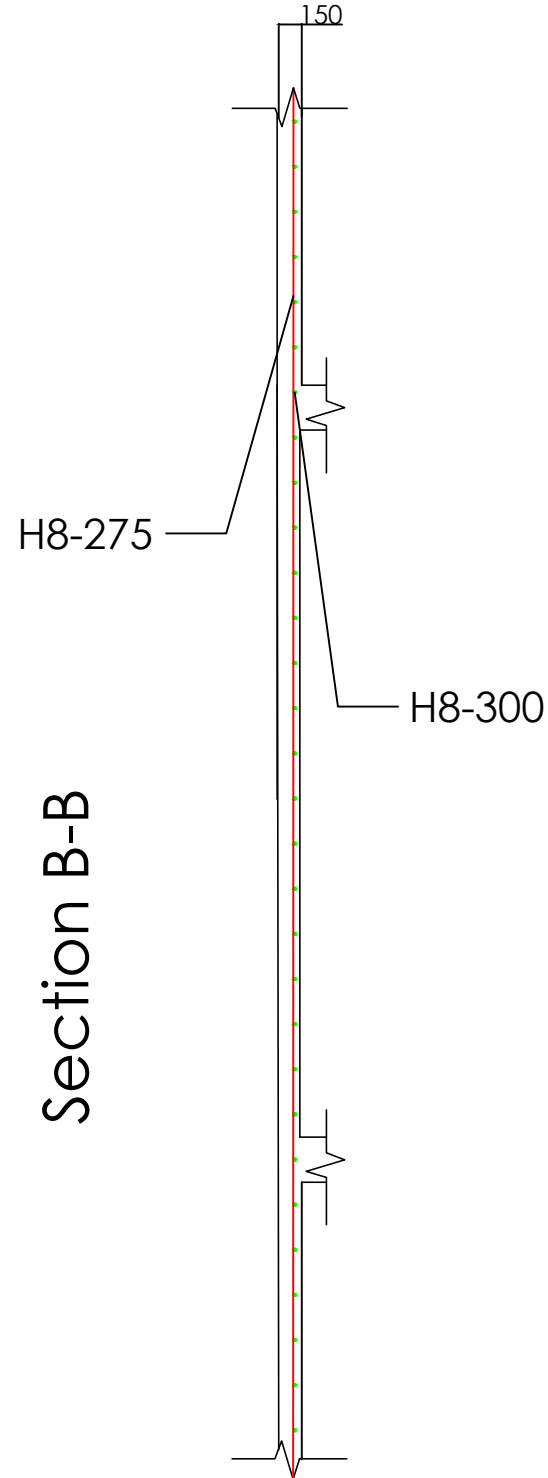
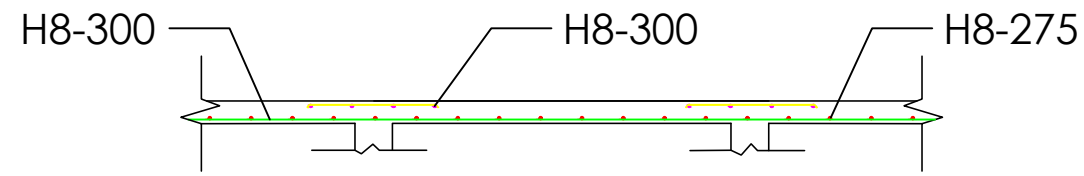
Section A-A



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
RC Slab Detailing
Scale: 1:20

Slab Interior Span

Section A-A



Premium Hotel

Client: DBM Group

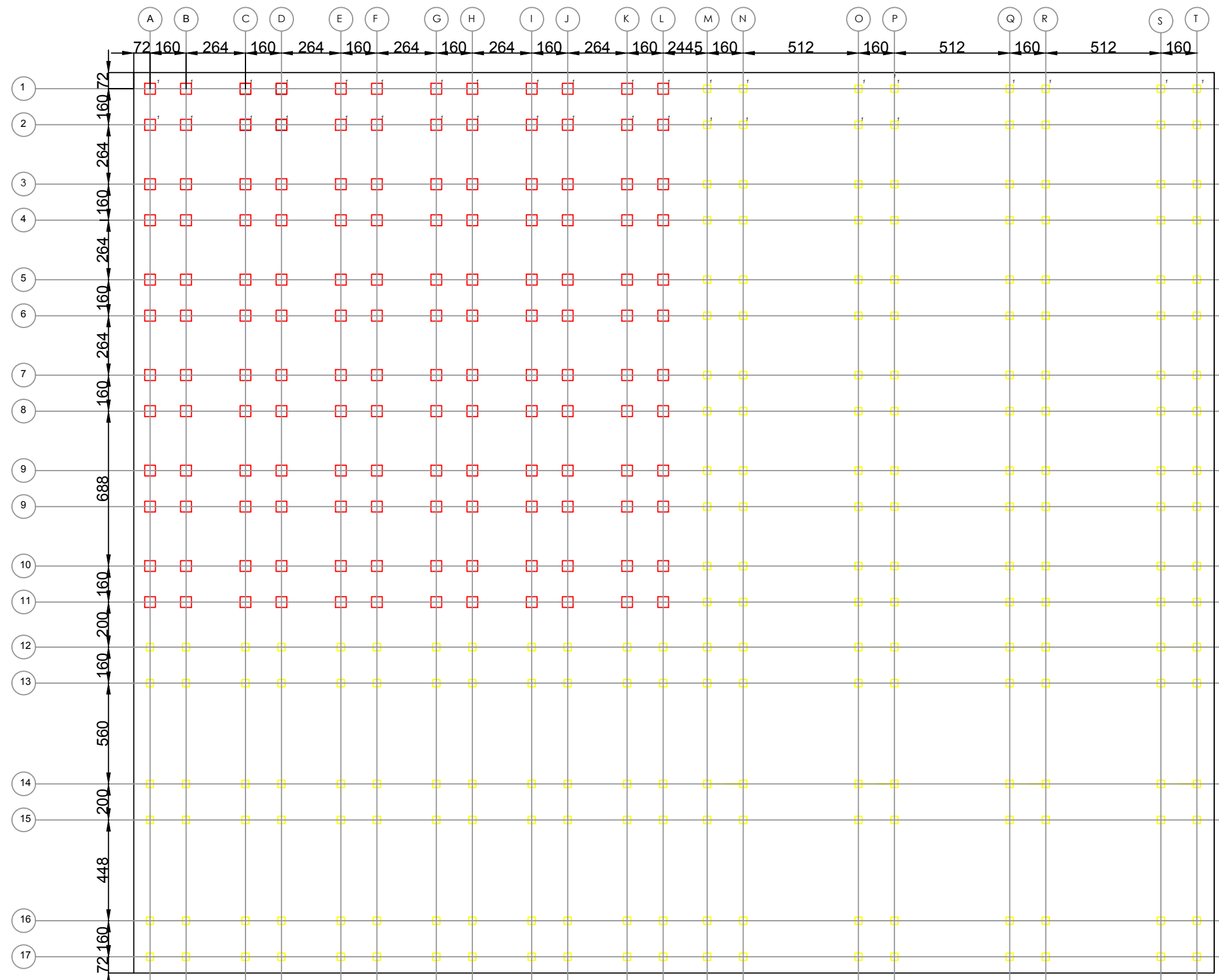
Developer: DBM Group

Supervisor: Abid Nadeem

Designer: Ilyas Bakirov

RC Slab Detailing

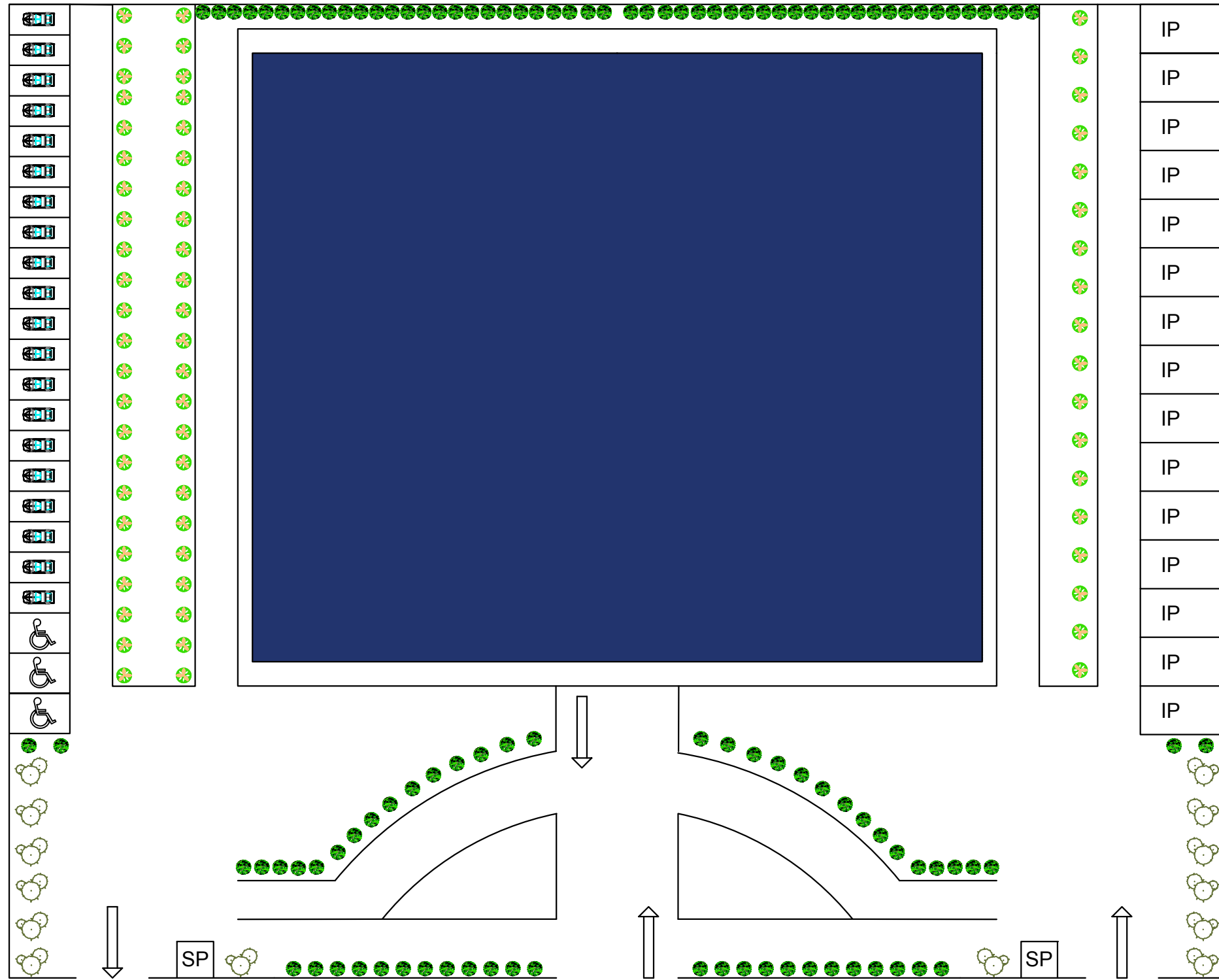
Scale: 1:20



45

Pile Symbol	Quantity	Cross-section size	Head elevation
□	144	0.6x0.6	-8.0
□	216	0.4x0.4	-5.0

Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Aiman Salmenbayeva
Piling Field
Scale: 1:12,5



Premium Hotel
Client: DBM Group
Developer: DBM Group
Supervisor: Abid Nadeem
Designer: Ilyas Bakirov
Landscape
Scale: 1:20

Task Name	Q2			Q3			Q4			Q1			Q2			Q3			Q4		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Site Investigation		■																			
Surveying		■																			
Soil Analysis		■																			
Site Preparation		■																			
Temporary Power Installation		■																			
Temporary Water Supply Installation		■																			
Temporary Fence Construction		■																			
Temporary PCC Construction		■																			
Site Cleaning and Grub		■																			
Rough Grading of the Site		■																			
Final Grading of the Site			■																		
Temporary Fire Protection System Installation			■																		
Foundation Installation			■																		
Drilling of holes			■																		
Hole preparation			■																		
Driving of pile foundation			■																		
Formation of fence for Cap pouring				■																	
Pouring and Curing of the concrete				■																	
Fitting of the Steel					■																
Building of Columns and Beams for 1st,2nd,3rd floors					■																
Building of Columns and Beams for 4th,5th,6th floors						■															
Building of Columns and Beams for 7th,8th,9th floors							■														
Building of Columns and Beams for 10th, 11th, 12th floors								■													
Concrete Pouring of the Floors						■															

Task Name	Q2			Q3			Q4			Q1			Q2			Q3			Q4			
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1. 1st,2nd,3rd floor Pouring																						
1.1 Formation of the fence for the 1st,2nd and 3rd floors																						
1.2 Rebar and utilities installation for the 1st,2nd and 3rd floors																						
1.3 Pouring and Curing of the 1st,2nd and 3rd floors																						
2. 4th,5th,6th floor Pouring																						
2.1 Formation of the fence for the 4th,5th and 6th floors																						
2.2 Rebar and utilities installation for the 4th,5th and 6th floors																						
2.3 Pouring and Curing of the 4th,5th and 6th floors																						
3 7th,8th,9th,10th floor Pouring																						
3.1 Formation of the fence for the 7th,8th,9th floors																						
3.2 Rebar and utilities installation for the 7th,8th,9th floor																						
3.3 Pouring and Curing of the 7th,8th,9th floors																						
4. 10th,11th,12th floor Pouring																						
4.1 Formation of the fence for the 10th,11th,12th floors																						
4.2 Rebar and utilities installation for the 10th,11th,12th floors																						
4.3 Pouring and Curing of the 10th, 11th, 12th floors																						
5. Pouring and Curing of the Roof																						
Exterior Sheathing Installation																						

Task Name	Q2			Q3			Q4			Q1			Q2			Q3			Q4		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Internal Masonry Work																					
Gesso of the Walls																					
Tiling of the restrooms, kitchen																					
Painting of the Walls																					
Floors and Ceilings Installation																					
Construction of the Roof																					
Roof Drains Installation																					
Pouring and curing of the roof fill																					
Finishing Work of the Roof																					
Windows and Doors Installation																					
Windows Installation																					
Interior Doors Installation																					
Main Entrance Installation																					
Elevators Installation																					
Installation of the elevator equipment inside the pit																					
Installation of the elevator doors on each floor																					
Elevator Testing and Setting																					
Plumbing Installation																					
Installation of the pipes and valves including seque and fire hoses																					
Plumbing Testing and Setting																					
Electricity Installation																					
Setting of the wires and installation of transformers																					
Installation of sockets and lamps																					
Installation of electrical devices like air conditioning																					

Task Name	Q2			Q3			Q4			Q1			Q2			Q3			Q4		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Heating Pipes and Ventilation Installation																					
Installation of the pipes																					
Construction of drywall walls covering the pipes																					
Setting of ventilation equipment																					
Testing and Fitting																					
Finishing Works inside the Building																					
Finishing of residual trim work																					
Rough Cleaning of the Building																					
Final Cleaning of the Building																					
Furniture Installation																					
Landscape Construction																					
1. Site Cleaning																					
2. Compaction of the Soil around the building																					
3. Fence Construction																					
3.1 Remove of temporary Fence around the hotel area																					
3.2 Excavation of the Soil for Fence Fundament																					
3.3 Pouring and Curing of Fence Fundament																					
3.4 Construction of the fence from the brick																					
3.5 Gate Installation																					
4. PCC Installation, Special booth constructed on the factory																					
5. Fountain Installation																					
5.1 Plumbing Installation																					

Task Name	Q2			Q3			Q4			Q1			Q2			Q3			Q4		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5.1.1 Excavation of the Soil for Fence Fundament																					
5.1.2 Pipes Installation																					
5.1.3 Pipes Burying																					
5.2 Construction of the fountain structure																					
5.2.1 Excavation of the Soil for Fence Fundament																					
5.2.2 Formation of fence for fountain walls pouring																					
5.2.3 Installation of rebar and pipes																					
5.2.4 Pouring and Curing of fountain																					
5.2.5 Sheathing of the fountain surface by decorative rock																					
5.3 Testing and Setting																					
6. Pavers Path Construction																					
6.1Construction of paths borders																					
6.1.1 Excavation of Soil																					
6.1.2 Formation of fence for borders pouring																					
6.1.3 Pouring and Curing of Borders																					
6.2 Soil Grading																					
6.3Construction of Pathways from the pavers																					
7. Asphalt Covering																					
7.1 Soil Compaction,Accurate Grading																					
7.2 Pavement Construction																					
8. Barriers,Car Signs and Speed Bumps Installation																					
9. Drawing of Street Parking																					
10. Lamp Posts Installation																					

Task Name	Q2			Q3			Q4			Q1			Q2			Q3			Q4			
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
10.1 Lamp Posts Electricity Installation																						
10.1.1 Soil Excavation																						
10.1.2 Cables Installation																						
10.1.3 Cables Burying																						
10.2 Lamp Posts Construction																						
10.2.1 Soil Excavation																						
10.2.2 Piers Installation																						
10.2.3 Pouring and Curing of Lamps Posts Fundament																						
10.2.4 Lamps Post fitting																						
Finishing Works of the whole Project																						
Remove of Temporary Power Supply, Water Supply and PCC Construction																						
Outside Area Cleaning																						