

Palestine Polytechnic University

Civil Engineering

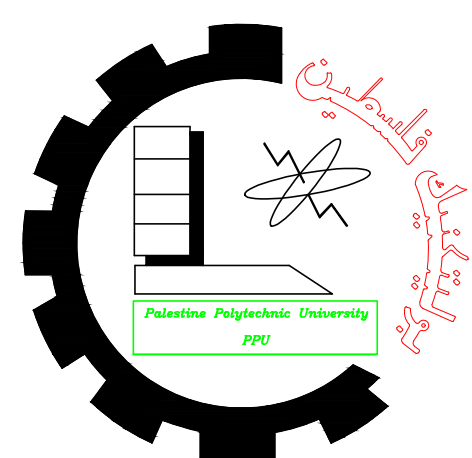
Graduation project

Elya'a Hotel

Done By :Mahmoud Hamarsha
Yazan Jabari
Aseel Slaibe
Bayan Ali Adi
Haya Tomar

supervisor :
Eng .Hamdi Idais





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering

PPU
Graduation Project

Supervisors :

Eng.Hamdi Idaes

Done by :

Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

PROJECT INDEX

Scale:
-

No:
A00

PROJECT INDEX

ARCHITECTURAL

LIST OF DRAWINGS

APPENDIX (A)

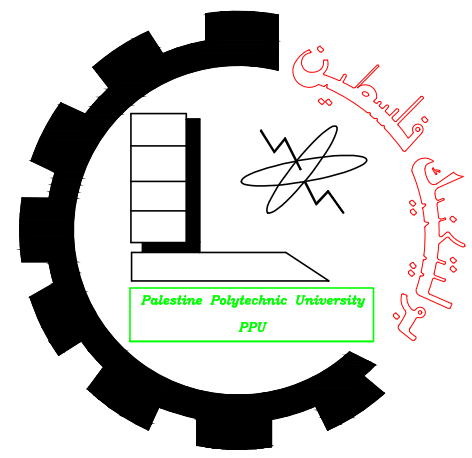
| | |
|-----|---|
| A00 | Project Index |
| A01 | Site Plan |
| A02 | Basement (Garage) Floor Dimensions Plan |
| A03 | Ground Floor Dimensions Plan |
| A04 | Services Hidden Floor Dimensions Plan |
| A05 | First Floor Dimensions Plan |
| A06 | (2nd_5th) Floors Dimensions Plan (Repeated) |
| A07 | Roof Floor Dimensions Plan |
| A08 | Basement (Garage) Floor Furniture Plan |
| A09 | Ground Floor Furniture Plan |
| A10 | Services Hidden Floor Furniture Plan |
| A11 | First Floor Furniture Plan |
| A12 | (2nd_5th) Floor Furniture Plan (Repeated) |
| A13 | Roof Floor Furniture Plan |
| A14 | Stair case Plan |
| A15 | West and South Elevations |
| A16 | East and North Elevations |
| A17 | Section A-A And Section B-B |

STRUCTURAL

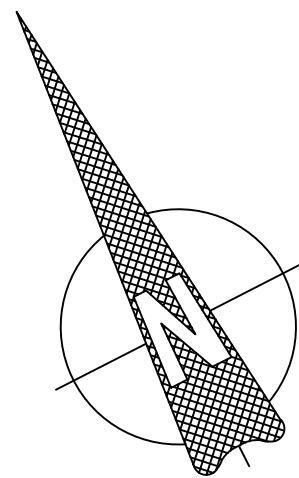
LIST OF DRAWINGS

APPENDIX (B)

| | |
|---------|---|
| S01 | Center of columns & Footing Plan |
| S02-S05 | Footing Details |
| S06 | Water Tank Details |
| S07-S10 | Columns Details |
| S11-S29 | Beams Details |
| S30-S33 | Shear Wall & Basement Wall Details |
| S34 | Stair Details |
| S35-S41 | Key Plans & Slabs Reinforcement Details |



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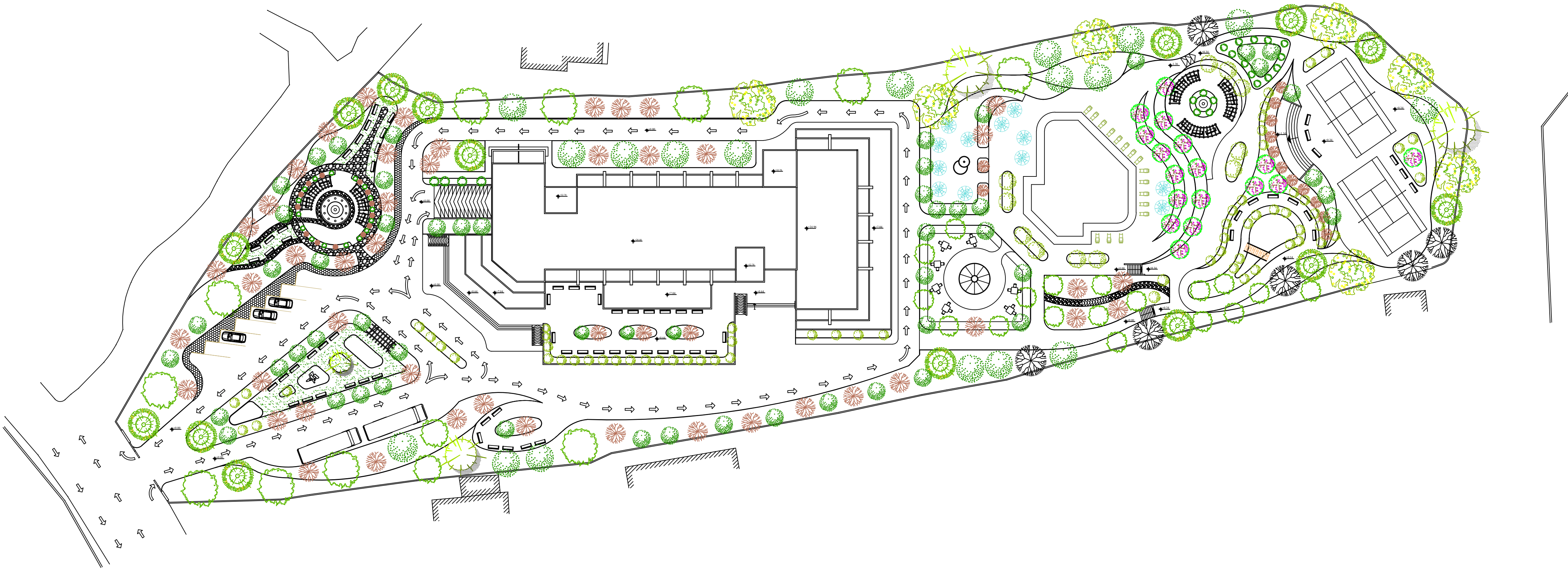
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

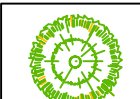

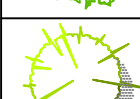

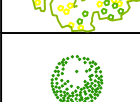



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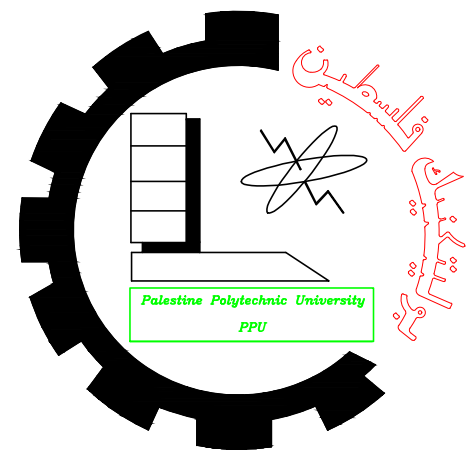
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(1:500)

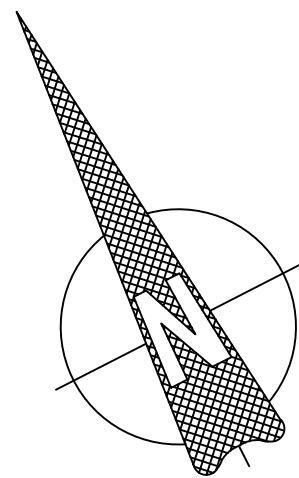
No:
A01



| | |
|---|----------------------|
|  | Populus |
|  | Fruit trees |
|  | Eucalyptus |
|  | Guayacan yellow tree |
|  | Ficus |
|  | Makulis rosa |
|  | Bauhinia forficata |
|  | Ornamental trees |



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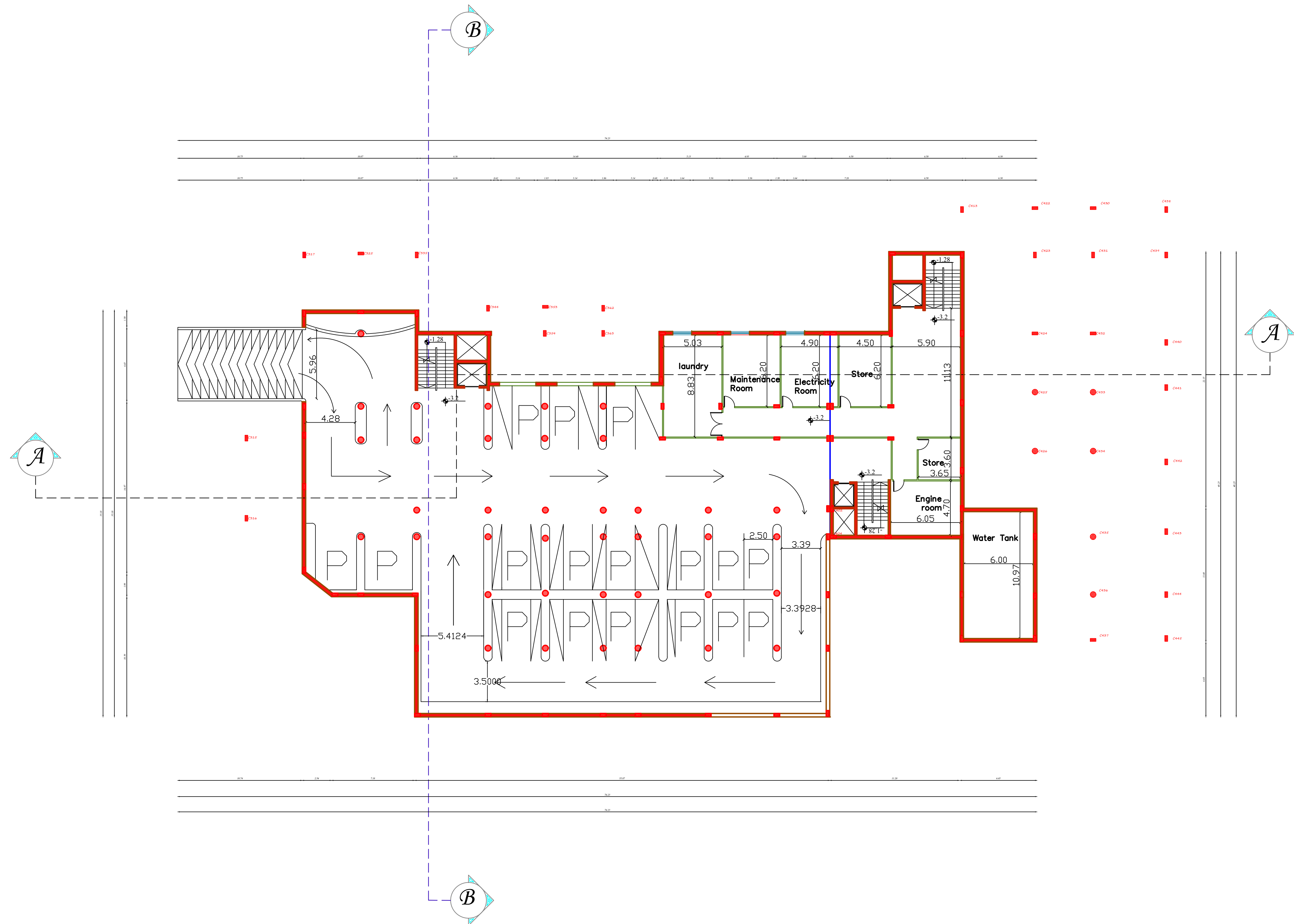
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Bayan Adi
Haya Toumar

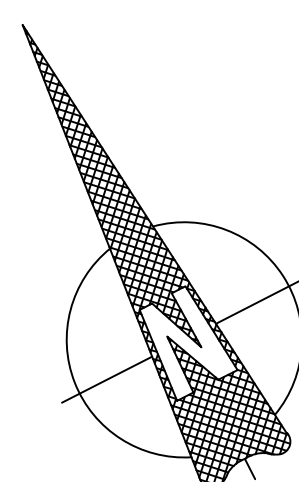
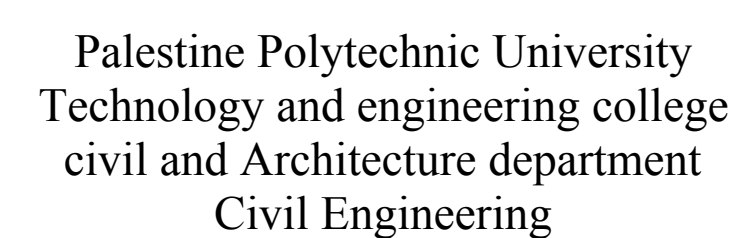
Drawing Contains:
Basement F Dimensions Plan

| | |
|---------------------|------------|
| Scale: (1:200) | No: A02 |
|---------------------|------------|



Basement Floor plan

Scale 1-200



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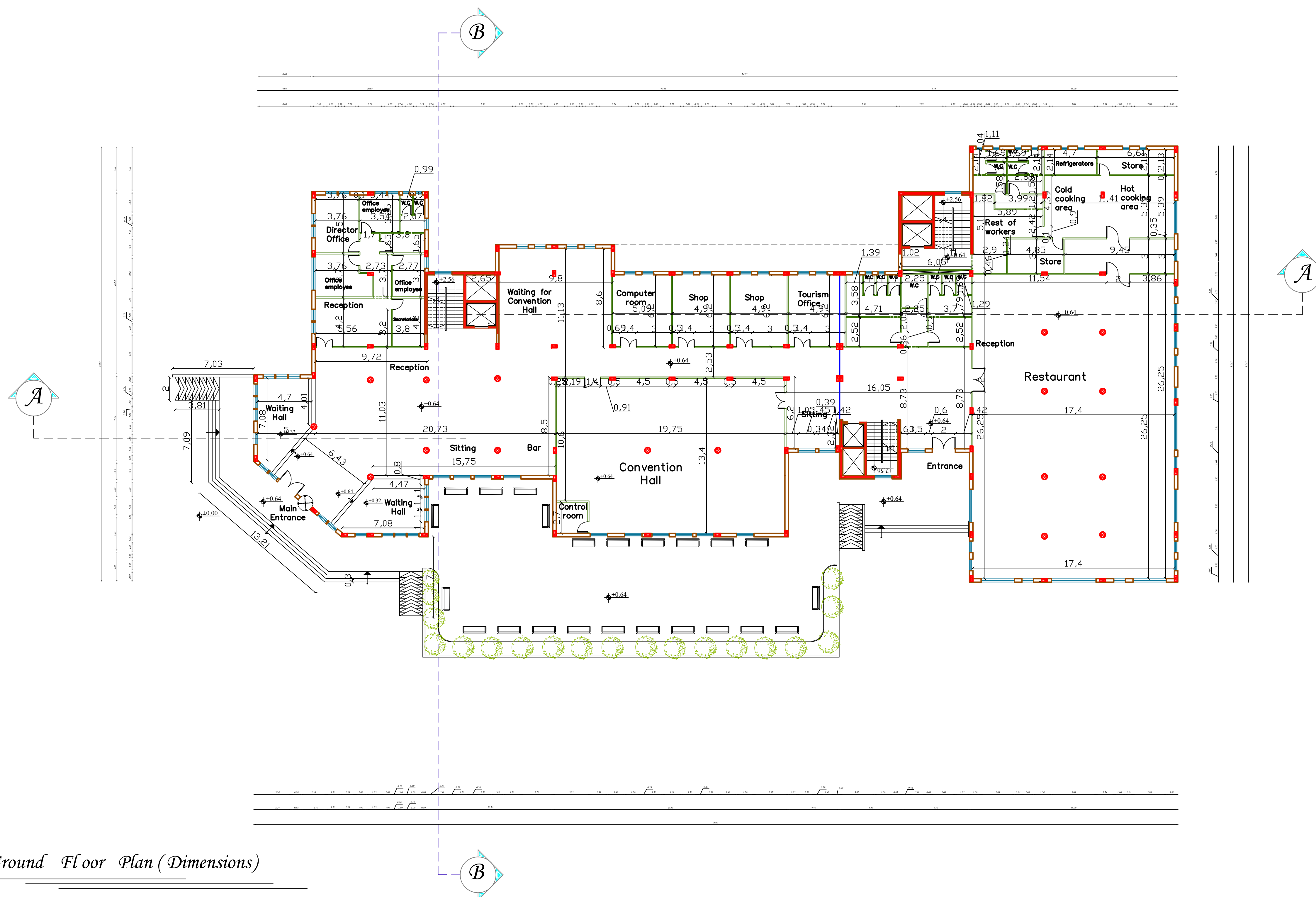
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

Ground Floor Dimensions Plan

Scale:
(1:200)

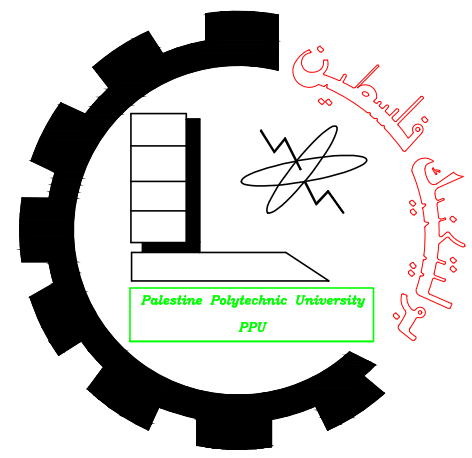
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A03



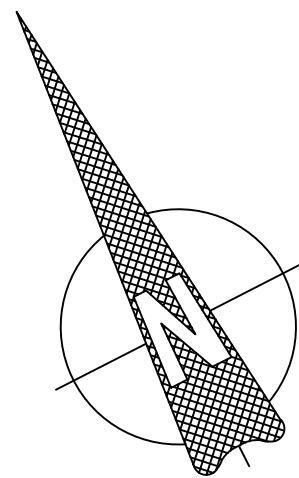
Ground Floor Plan (Dimensions)

Scale : (1:200)

Scale : (1:200)



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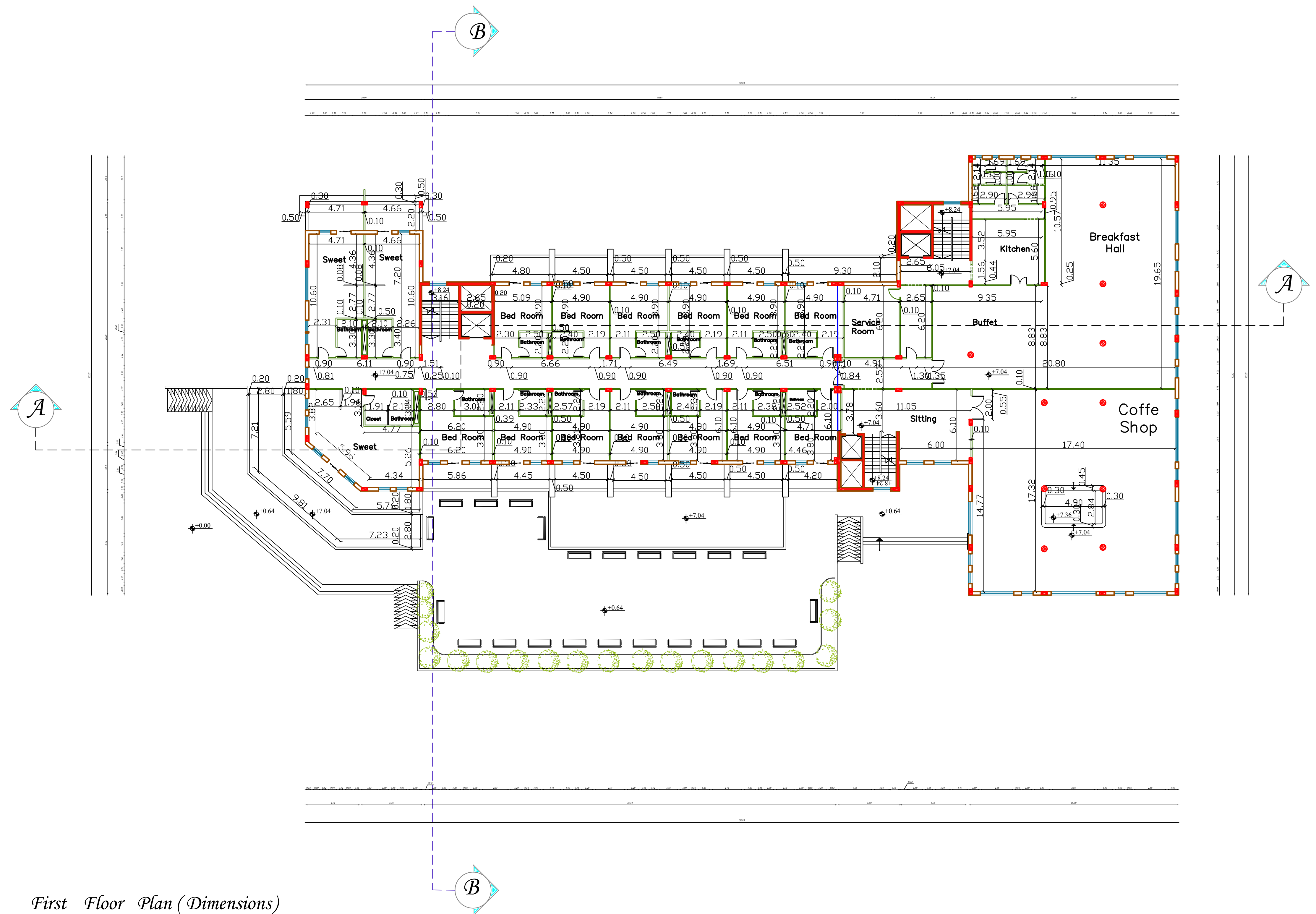
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
First Floor Dimensions Plan

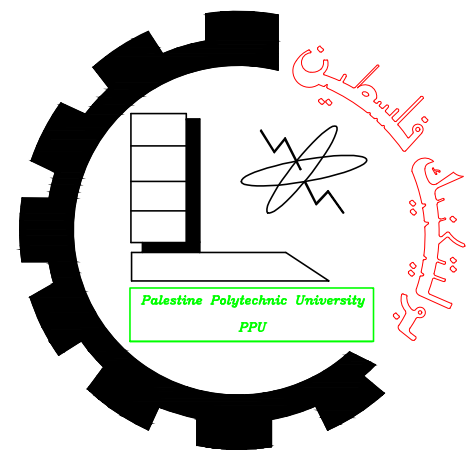
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No:
A05

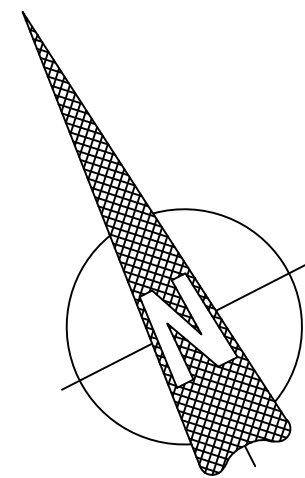


First Floor Plan (Dimensions)

Scale : (1:200)



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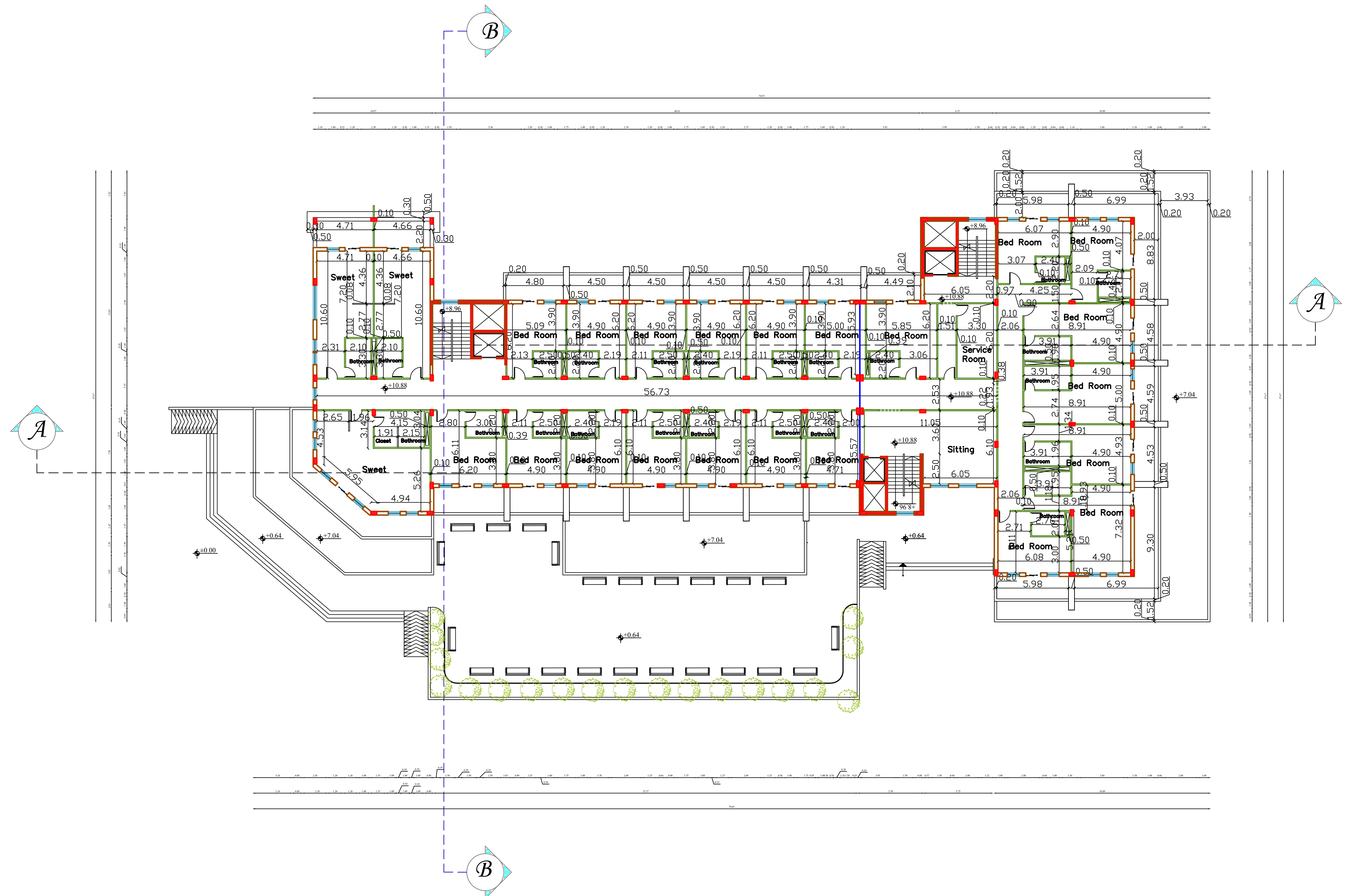
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Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

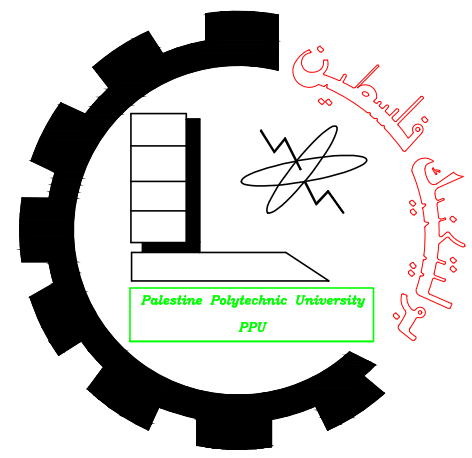
Drawing Contains:
2-5 th Floors Dimensions Plan

| | |
|---------------------|------------|
| Scale: (1:200) | No: A06 |
|---------------------|------------|

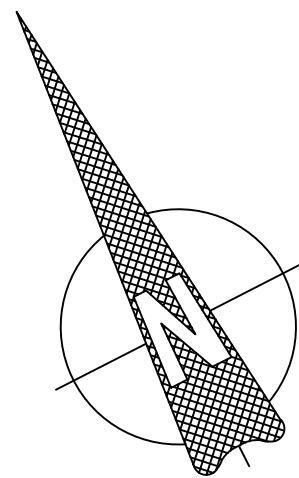


2-5th Floor Plan (repeated)

Scale : (1:200)



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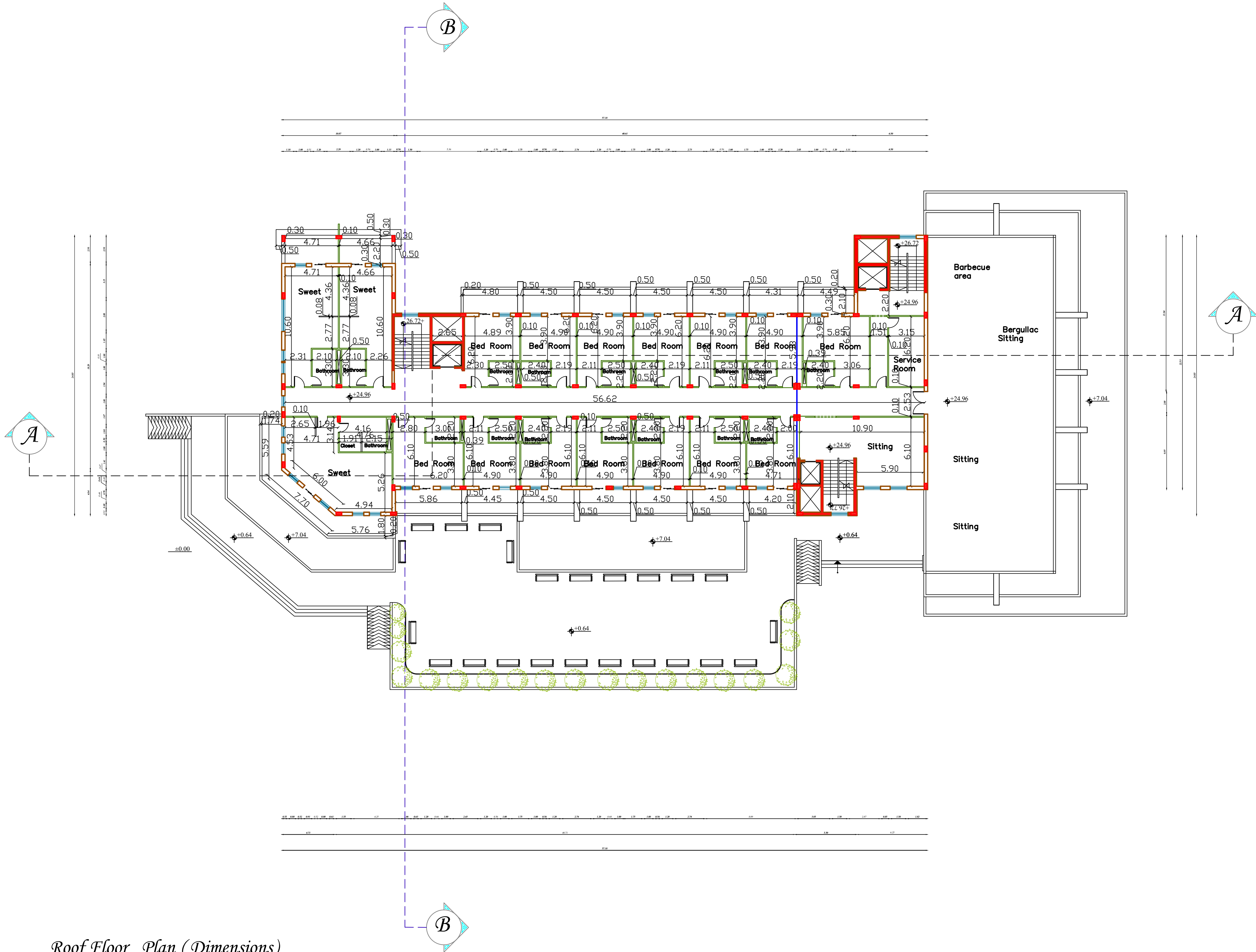
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Roof Floor Dimensions Plan

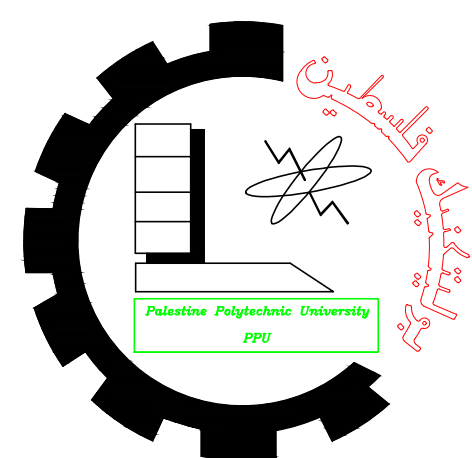
Scale:
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No:
A07

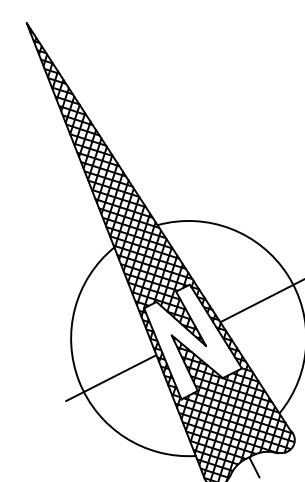


Roof Floor Plan (Dimensions)

Scale : (1:200)



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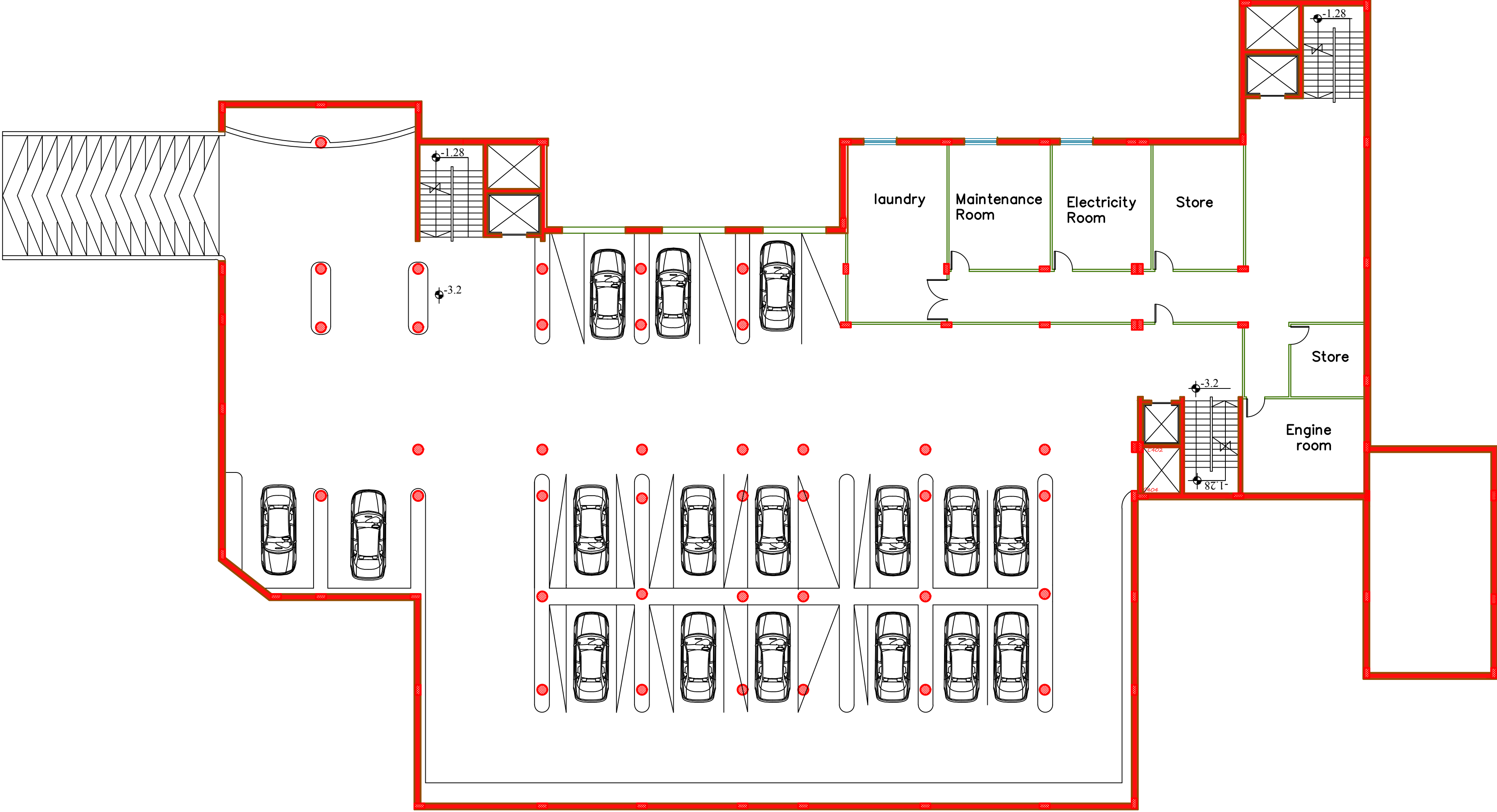
Supervisors :
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Done by :
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Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

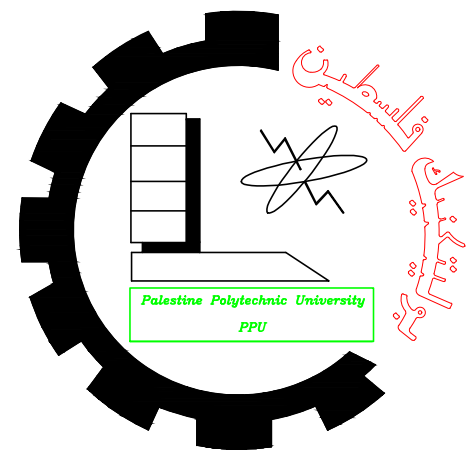
Drawing Contains:
Basement Floor Furniture Plan

Scale:
(1:150)

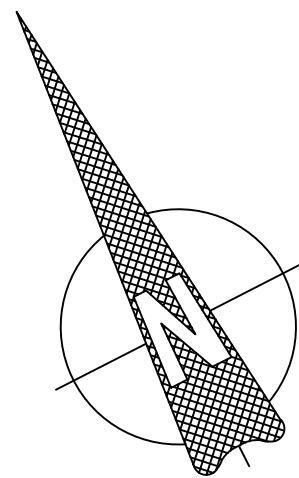
No:
A08



Basement Floor plan
Scale 1-150



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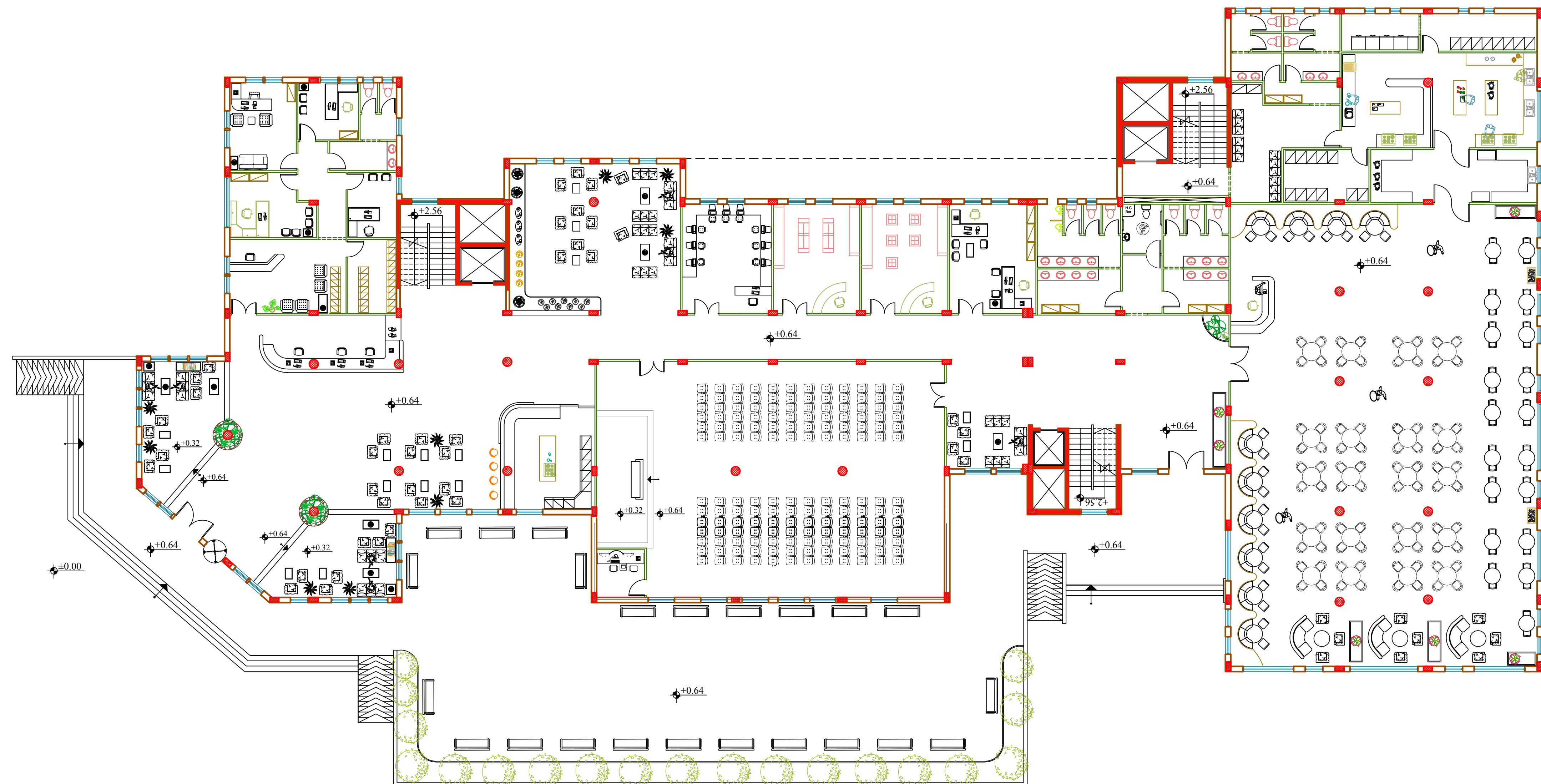
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Ground Floor Furniture Plan

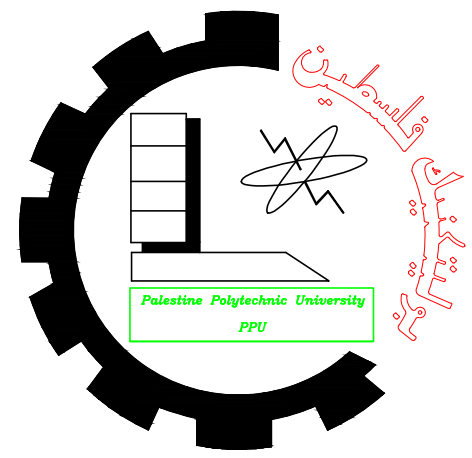
Scale:
(1:150)

No:
A09

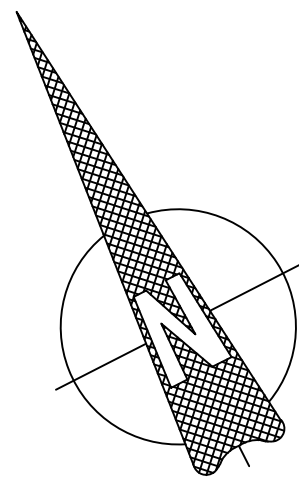


Ground Floor Plan

Scale 1-150



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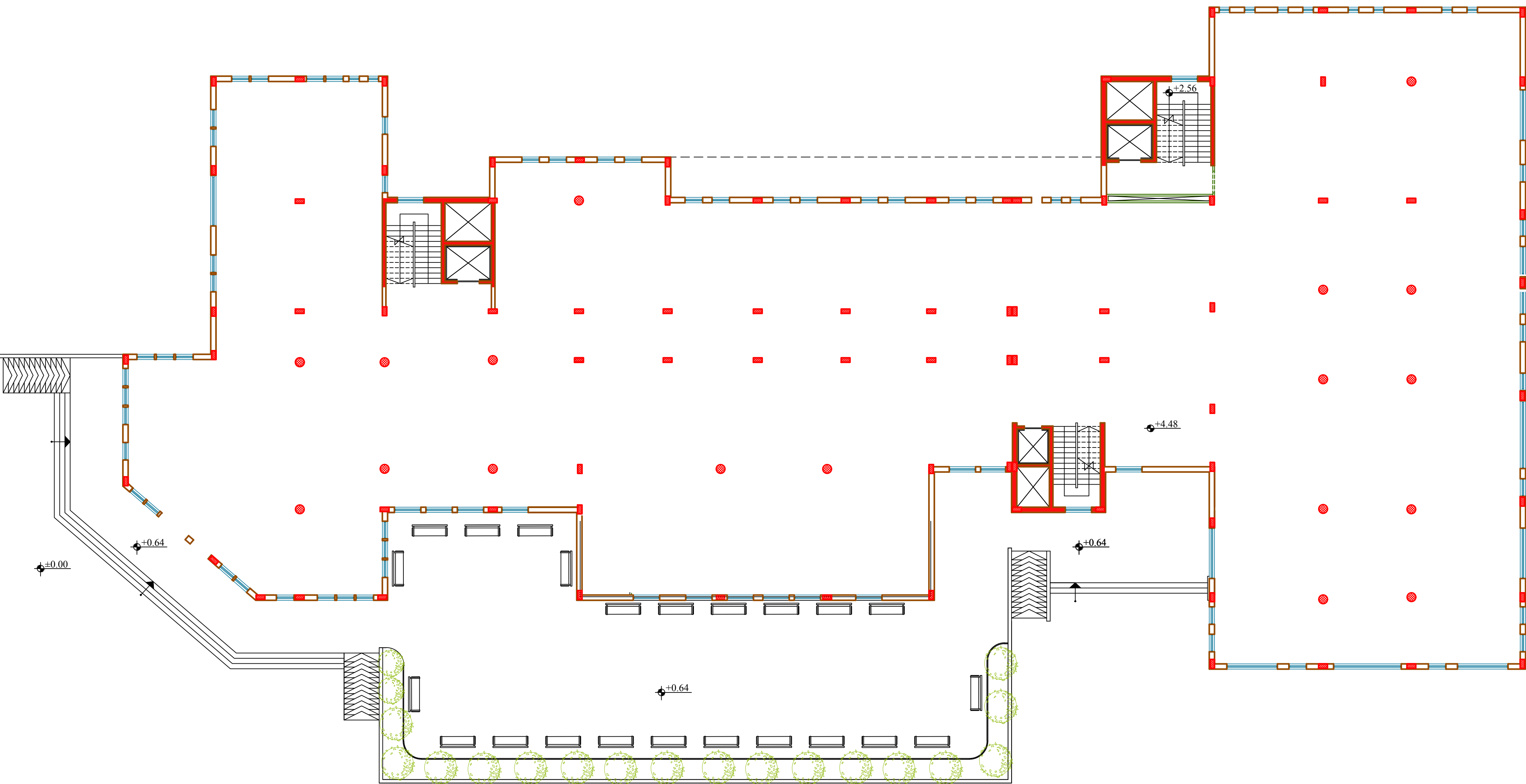
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

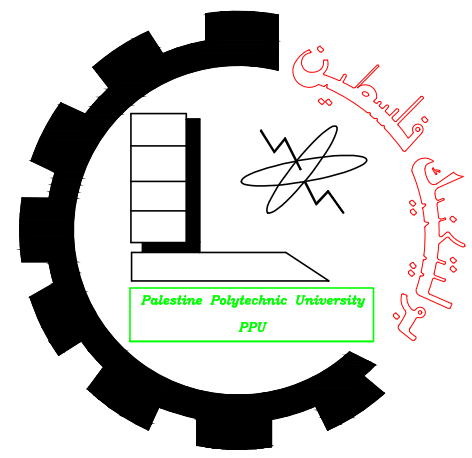
Drawing Contains:
Service hidden Floor Plan

Scale:
(1:150)

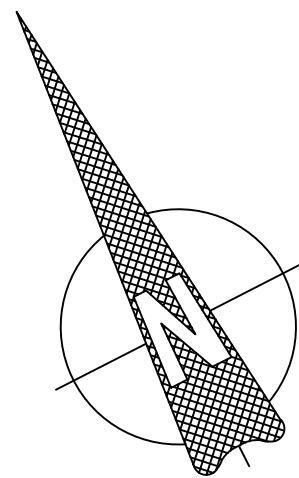
No:
A10



Services Hidden Floor
Scale 1-150



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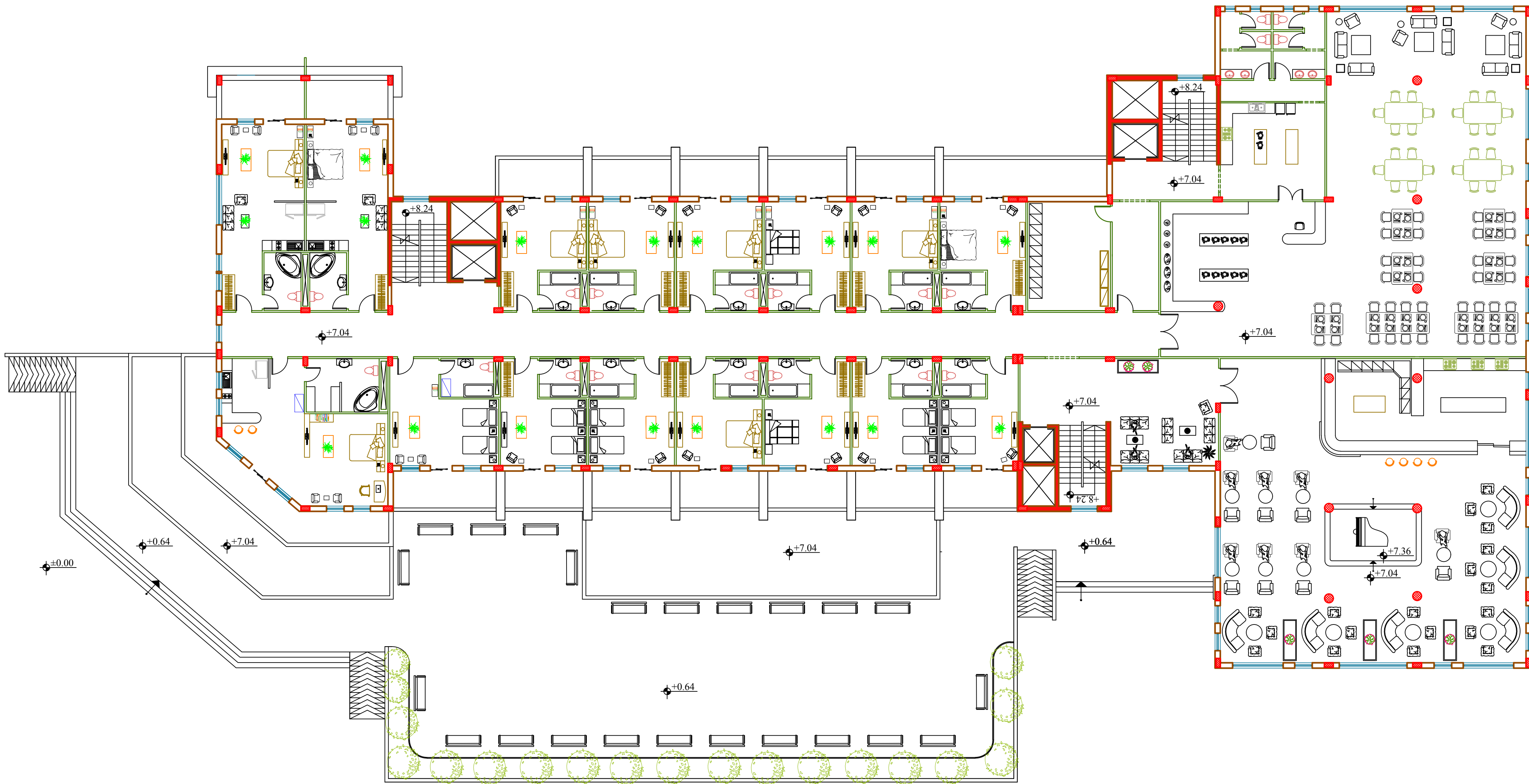
Supervisors :
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Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

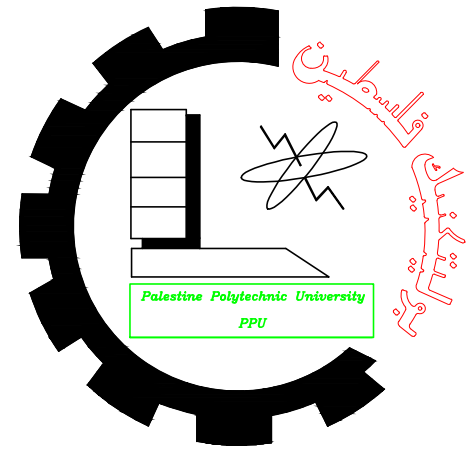
Drawing Contains:
First Floor Furniture Plan

Scale:
(1:150)

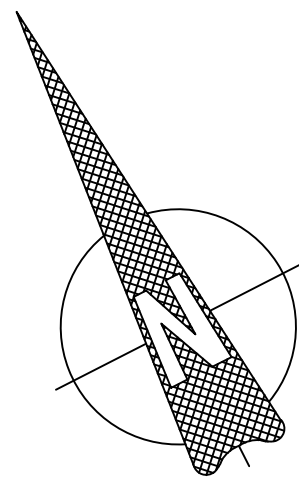
No:
A11



First Floor Plan
Scale 1-150



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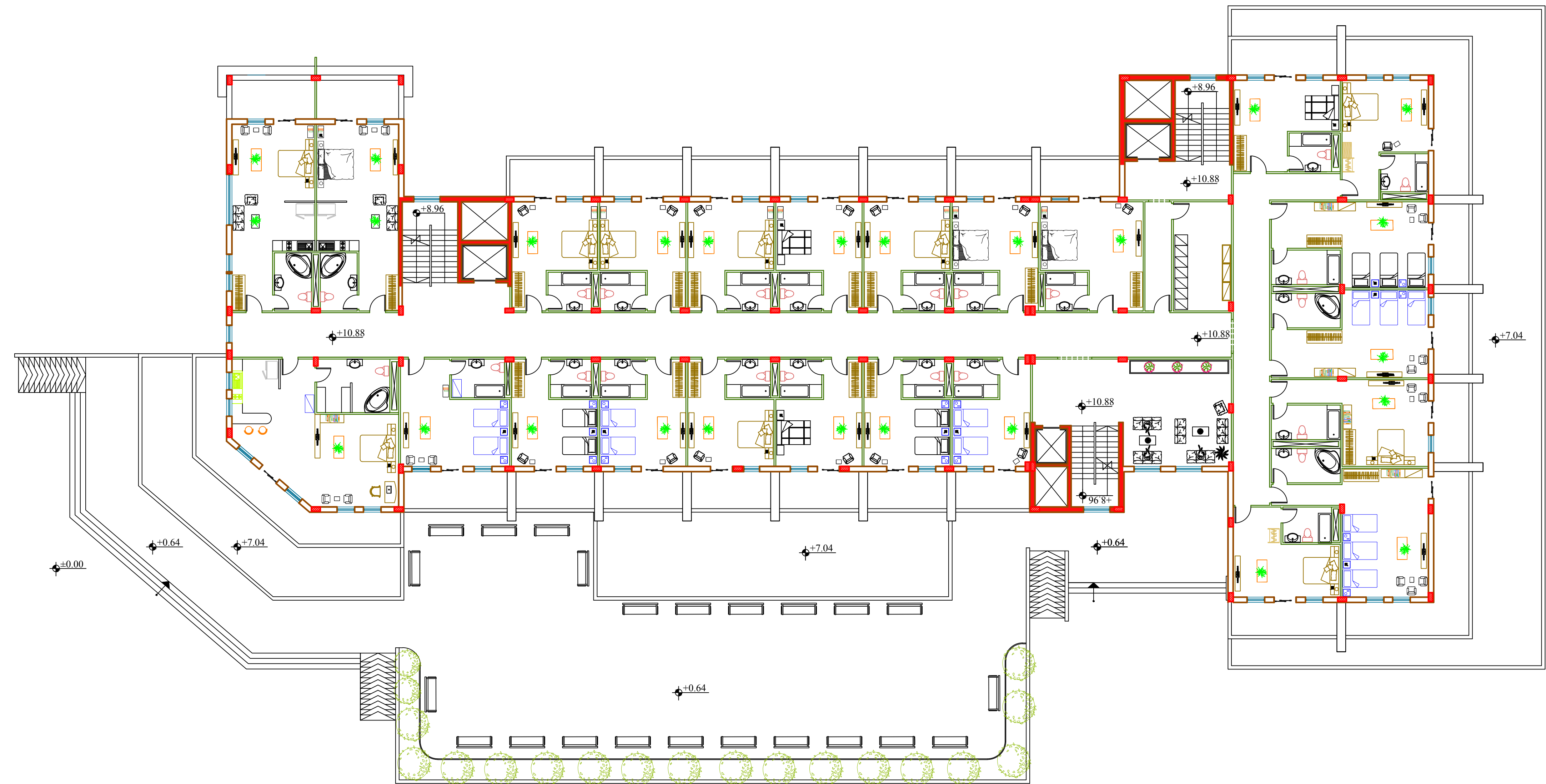
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
2-5th Floor Furniture Plan

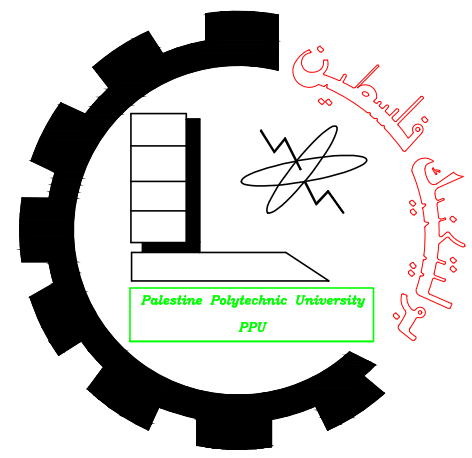
Scale:
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No:
A12

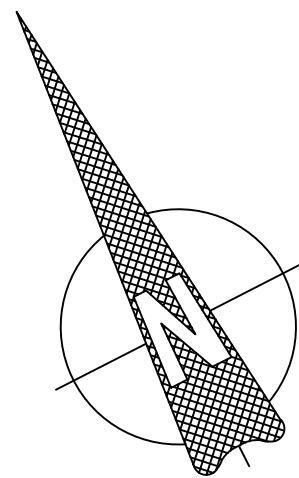


2-5th Floor

Scale 1-150



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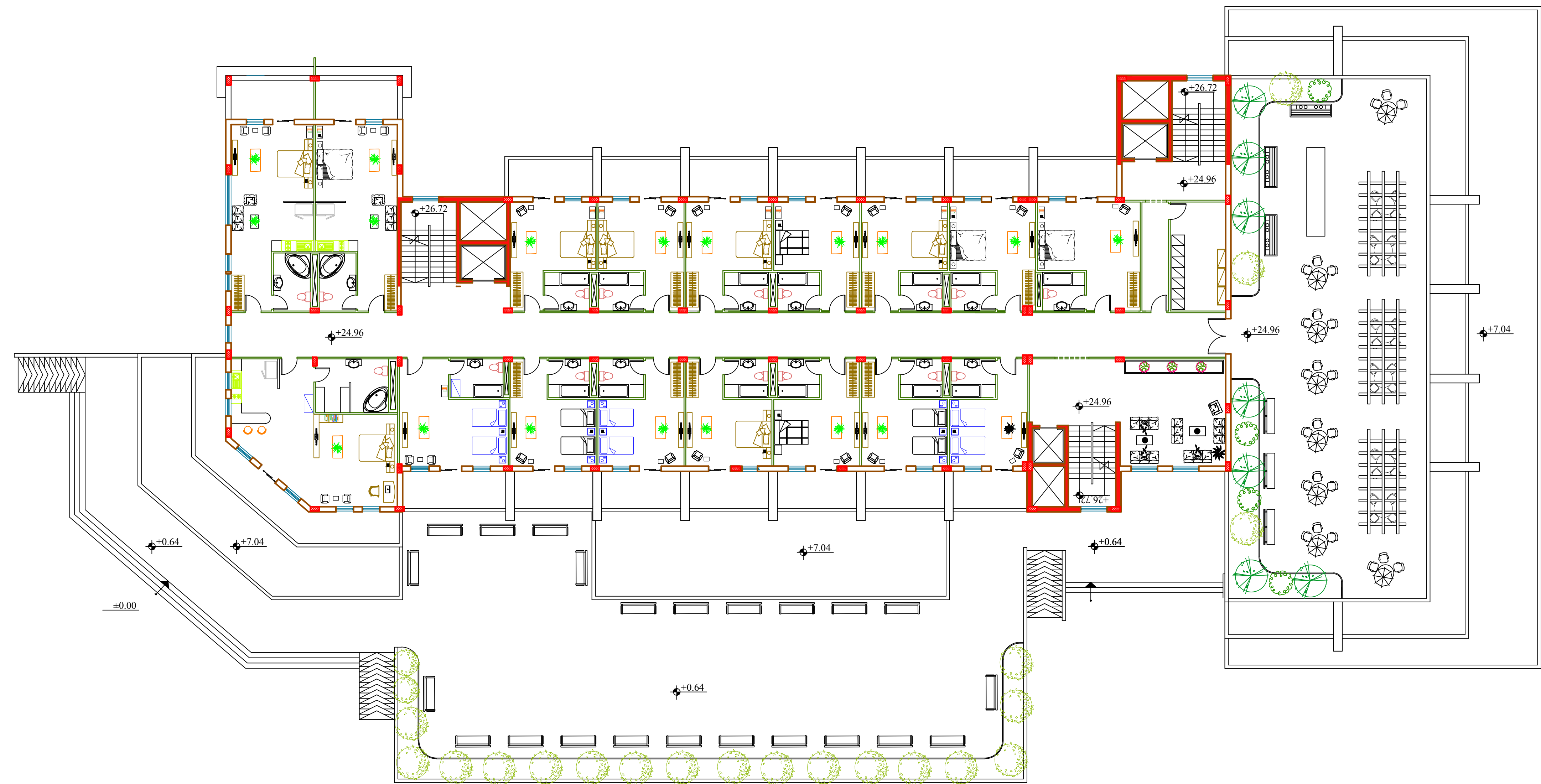
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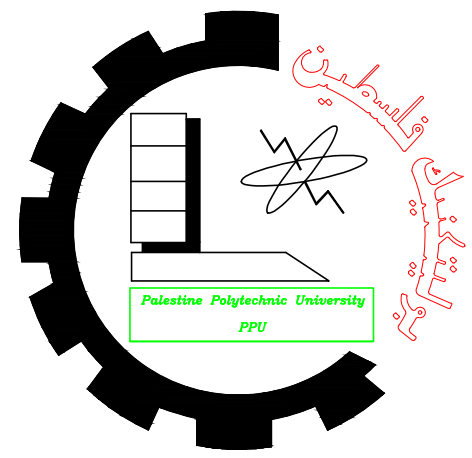
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Rof Flooor Furniture Plan

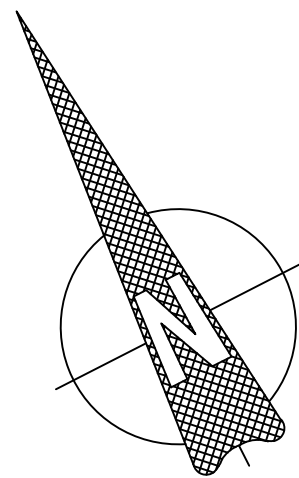
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| Scale: (1:150) | No: A13 |
|---------------------|------------|



Roof Floor Plan
Scale 1-150



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| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

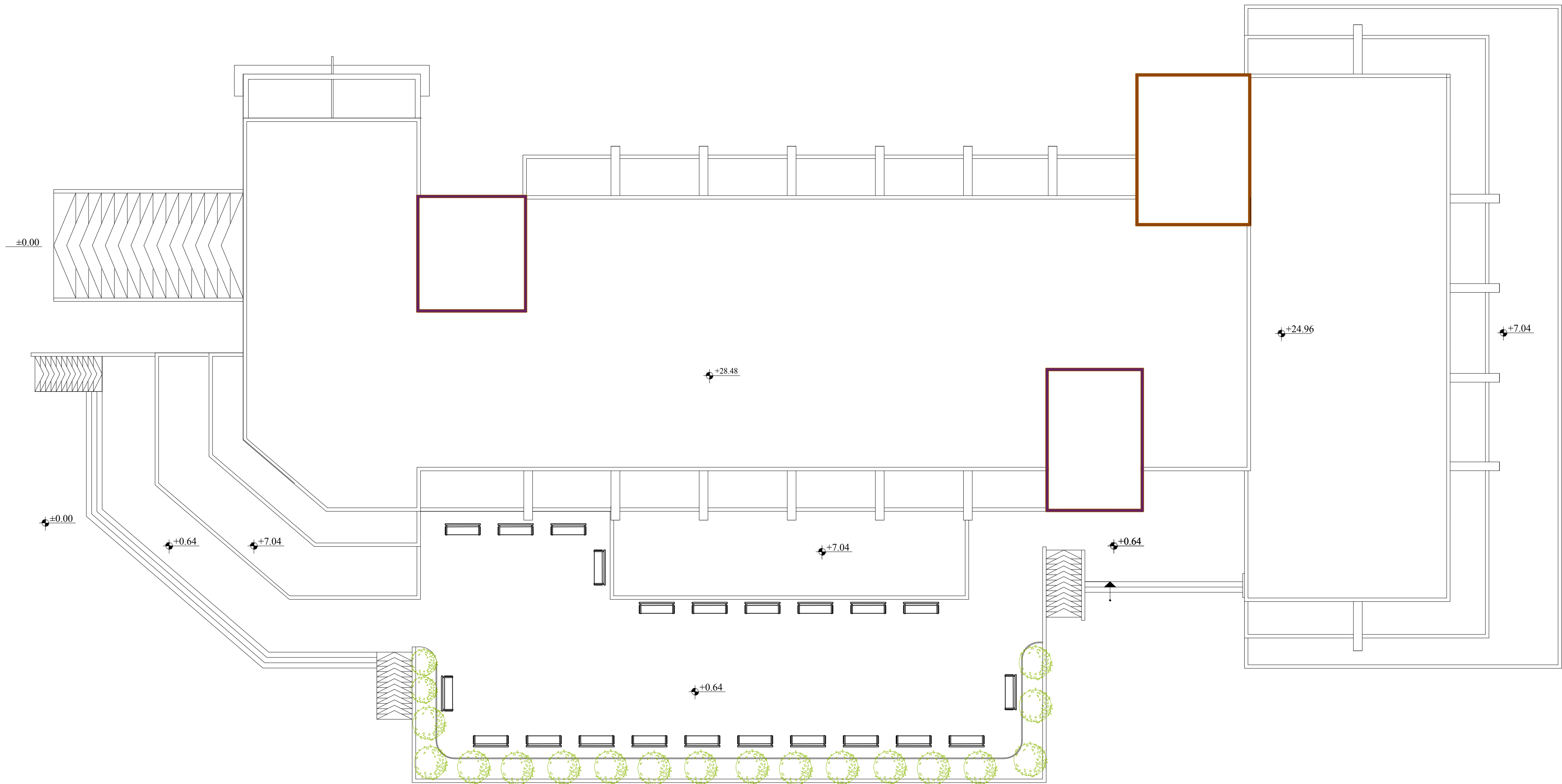
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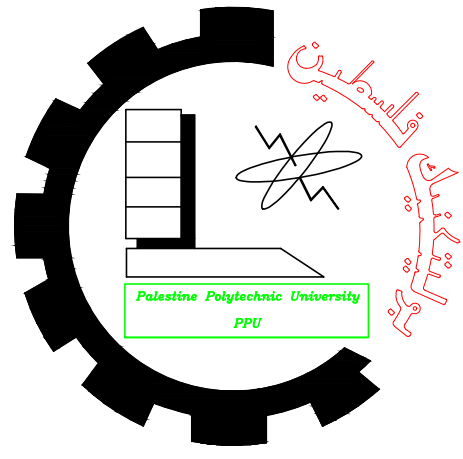
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Stair Case

| | |
|---------------------|-------------|
| Scale: (1:150) | No : A14 |
|---------------------|-------------|





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Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

West Elevation
South Elevation

Scale:
(1:200)

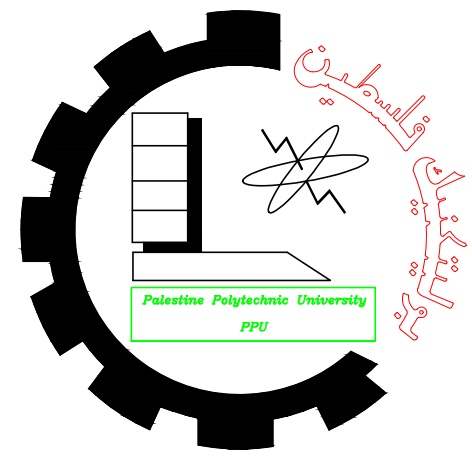
No:
A15



West Elevation
Scale 1-100



South Elevation
Scale 1-100



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Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
East & North Elevations

Scale:
(1:200)

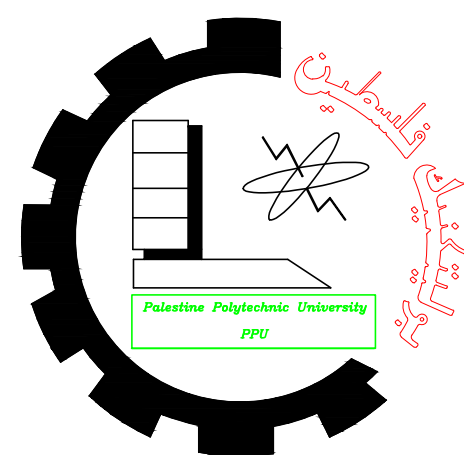
No:
A16



North Elevation
Scale 1-100



East Elevation
Scale 1-100



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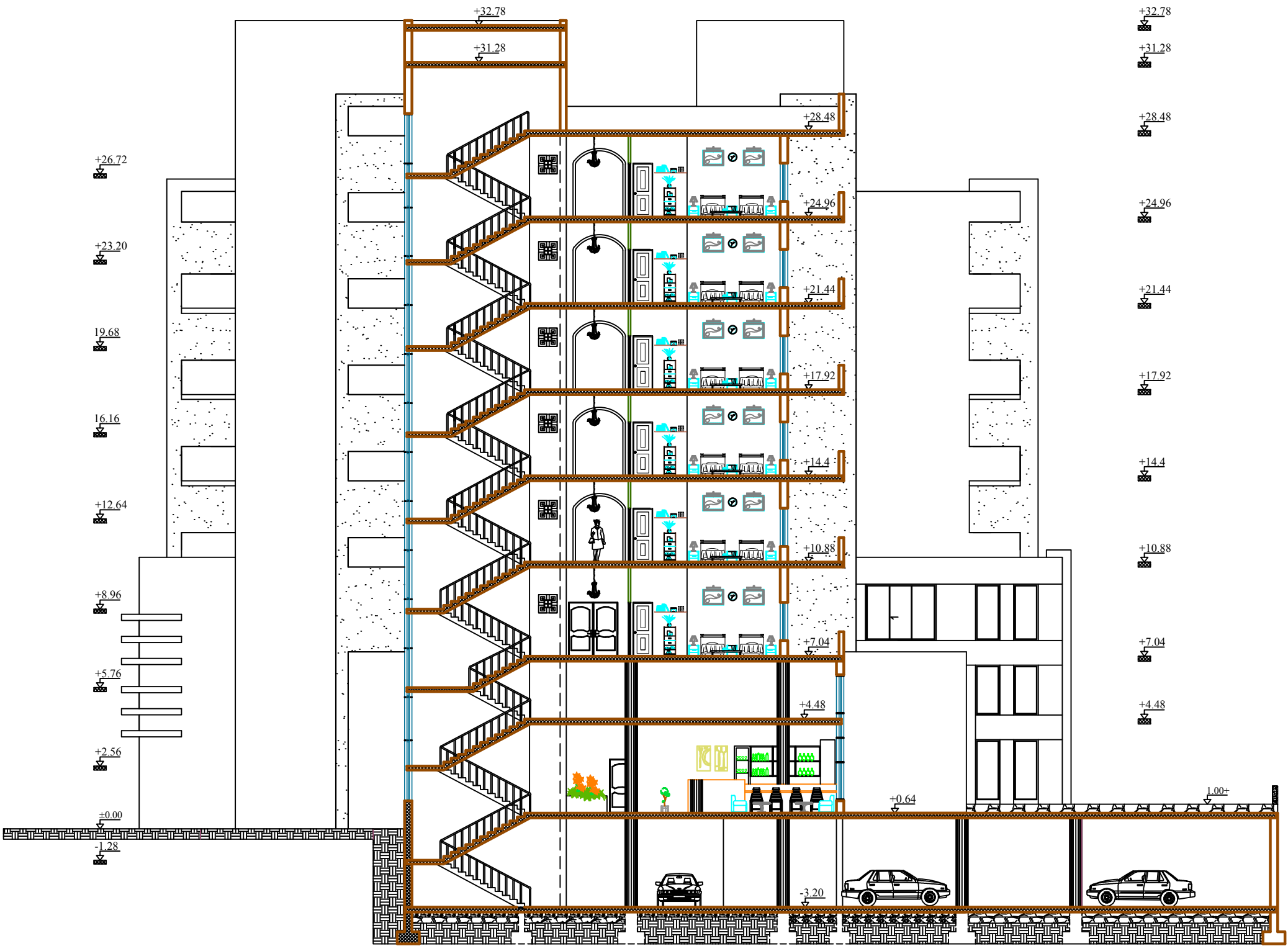
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Section A-A
Section B-B

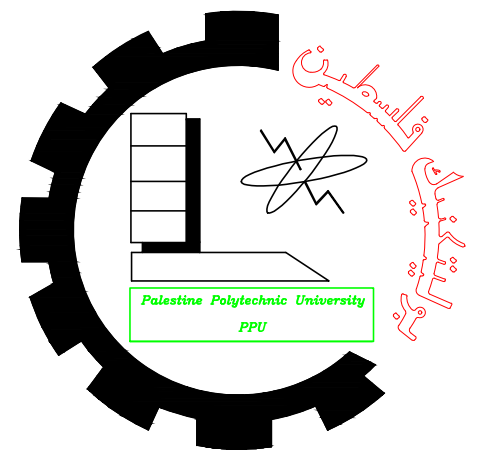
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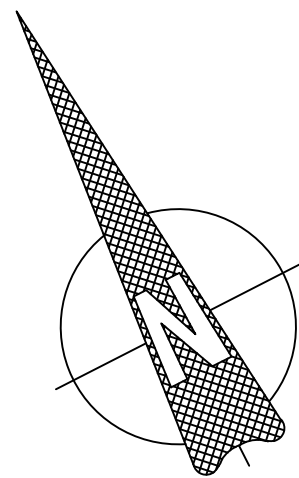
Section A-A
Scale 1-200



Section B-B
Scale 1-200



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| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

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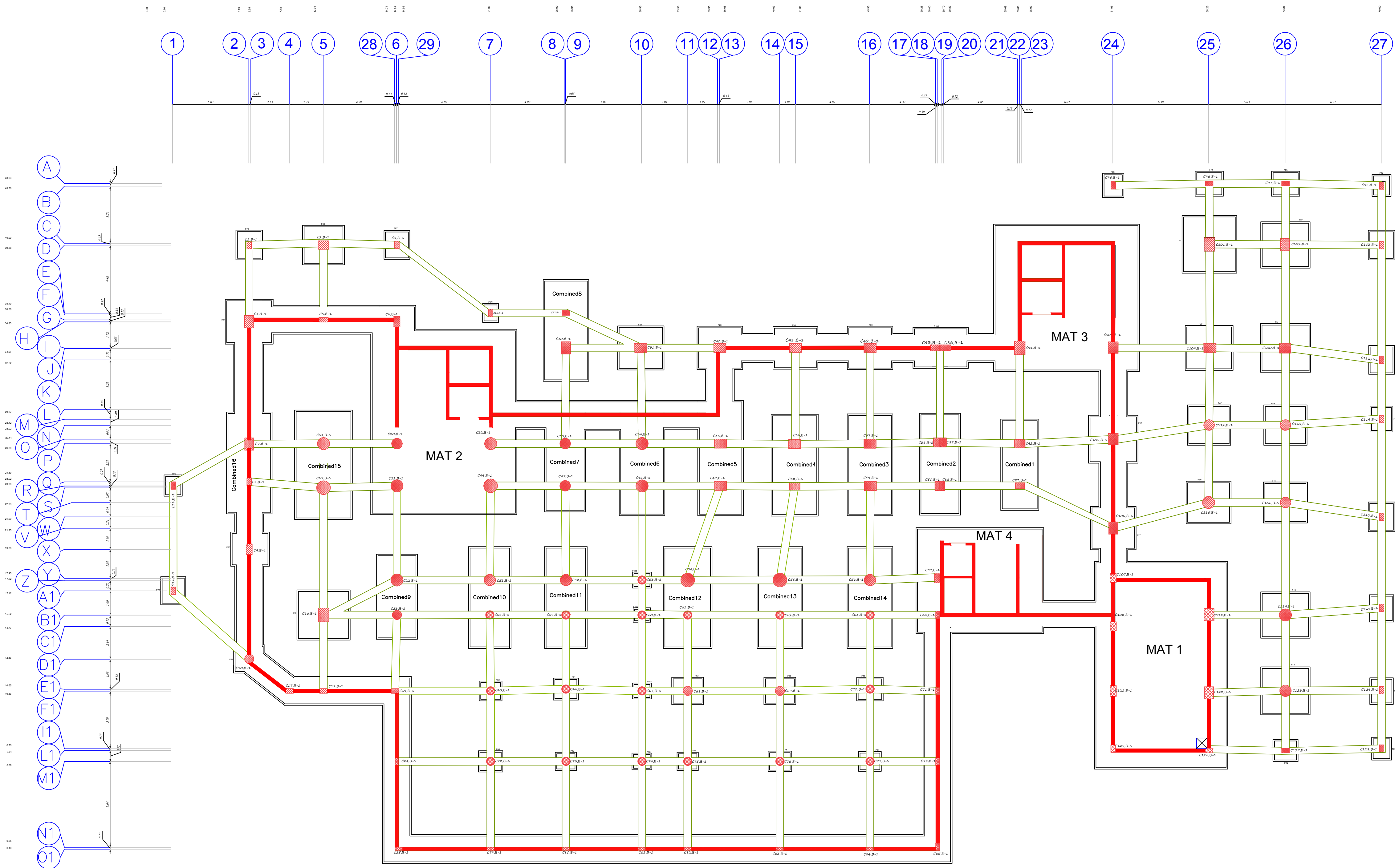
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Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

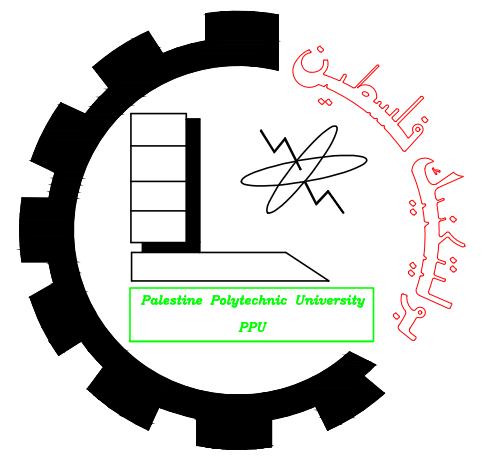
Drawing Contains:
Center of columns
Footing Plan

Scale:
(1:150)

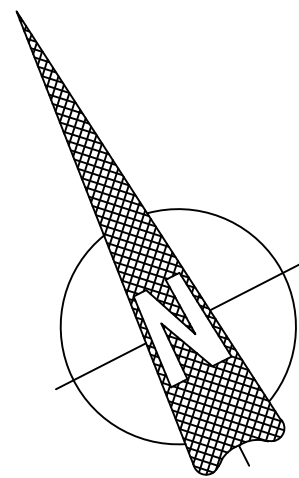
No :
S01

Center Of Columns & Footing Plan





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| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

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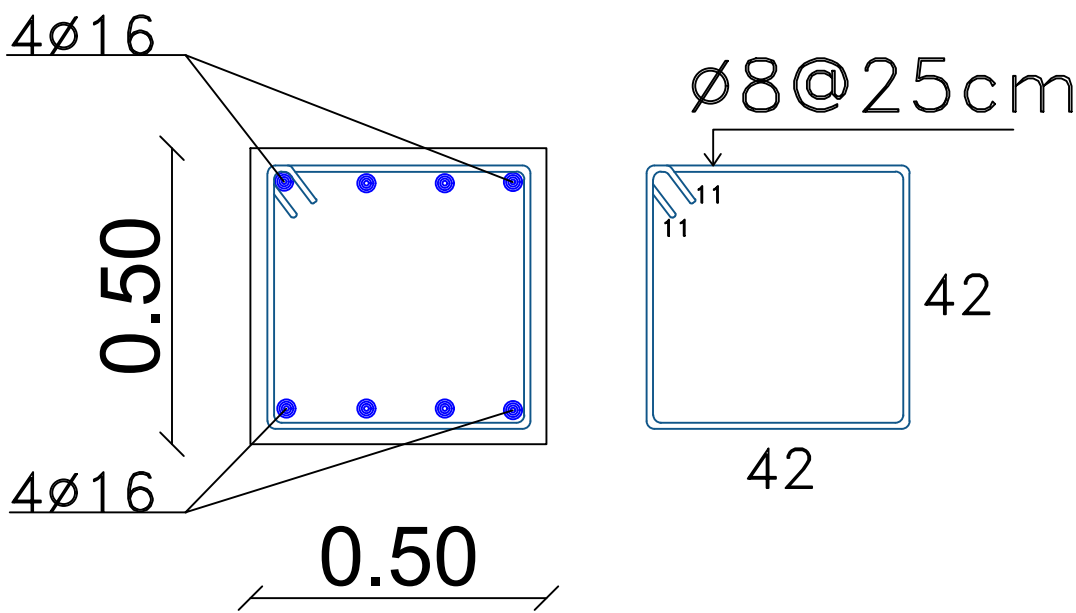
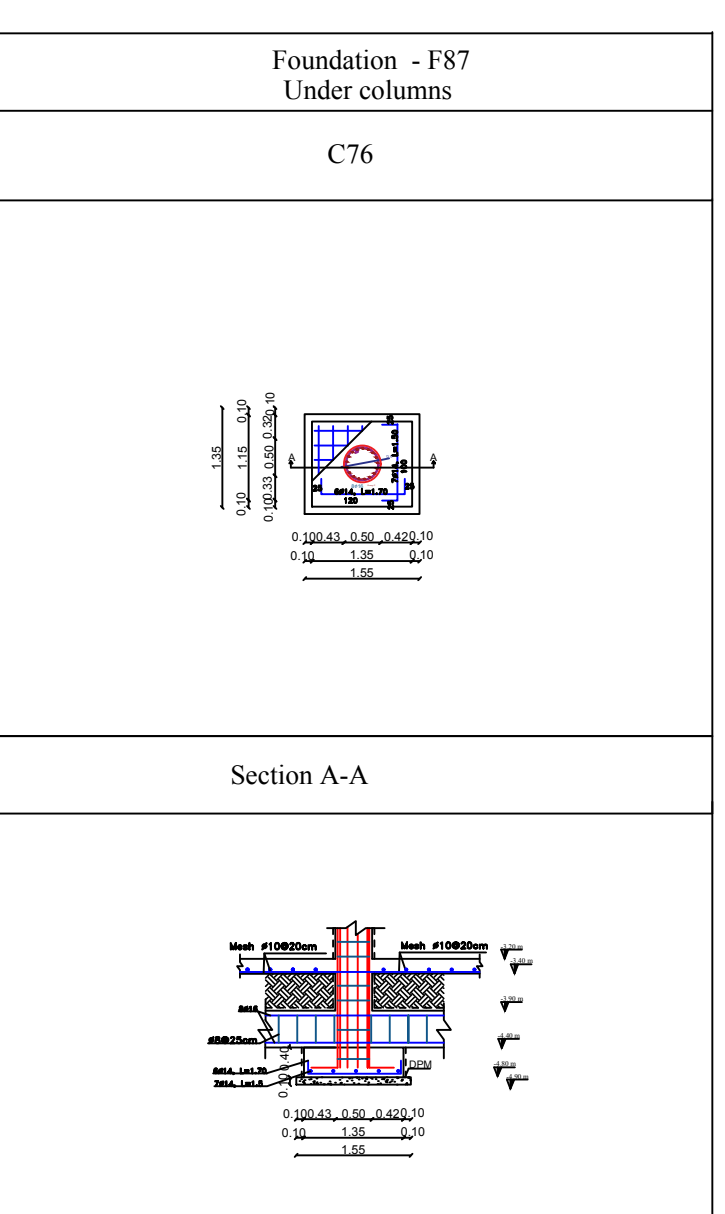
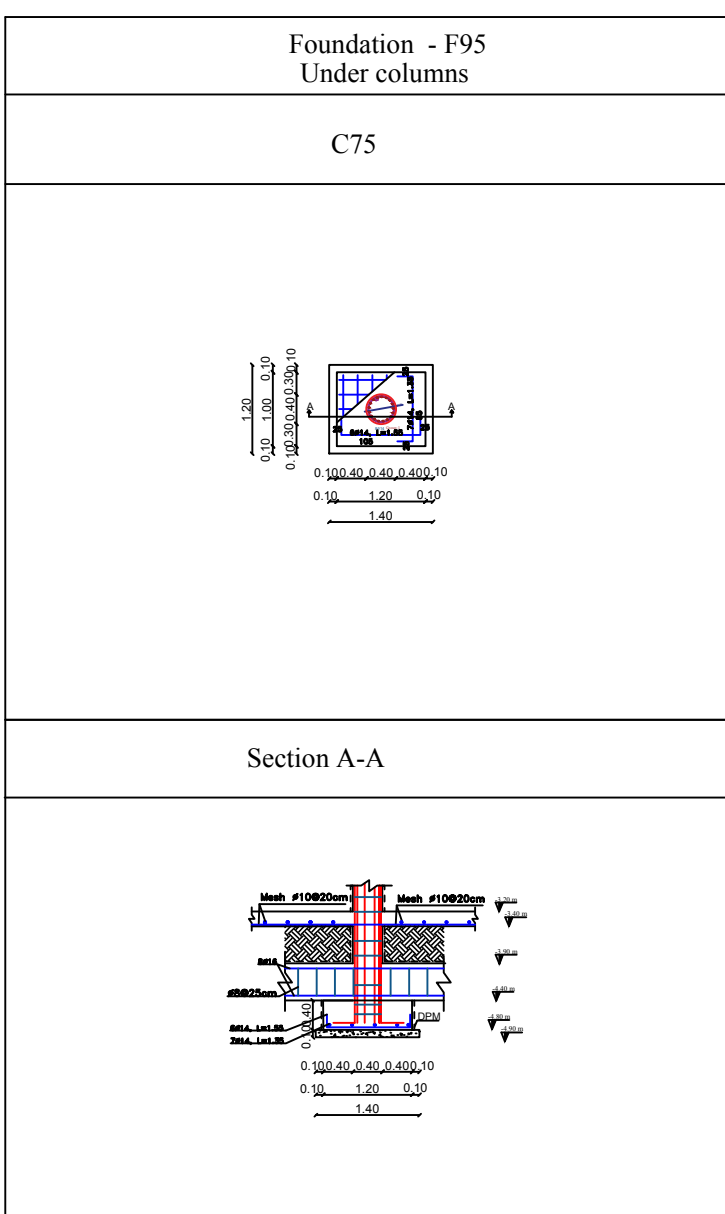
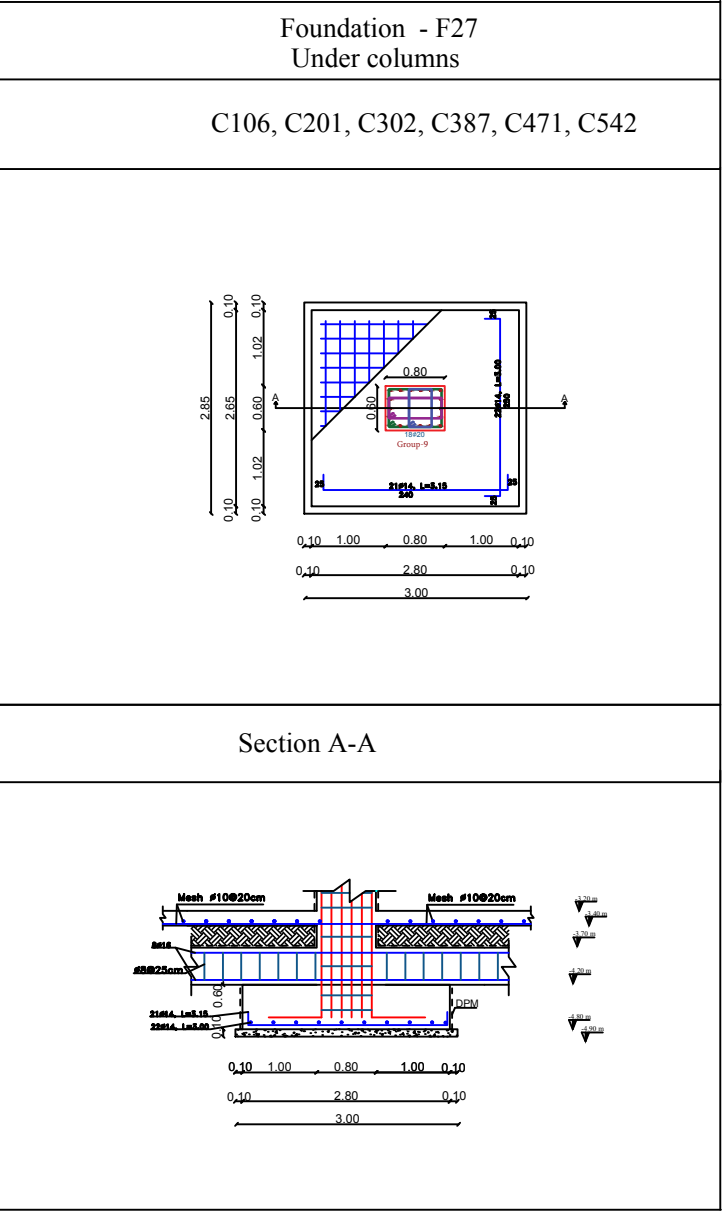
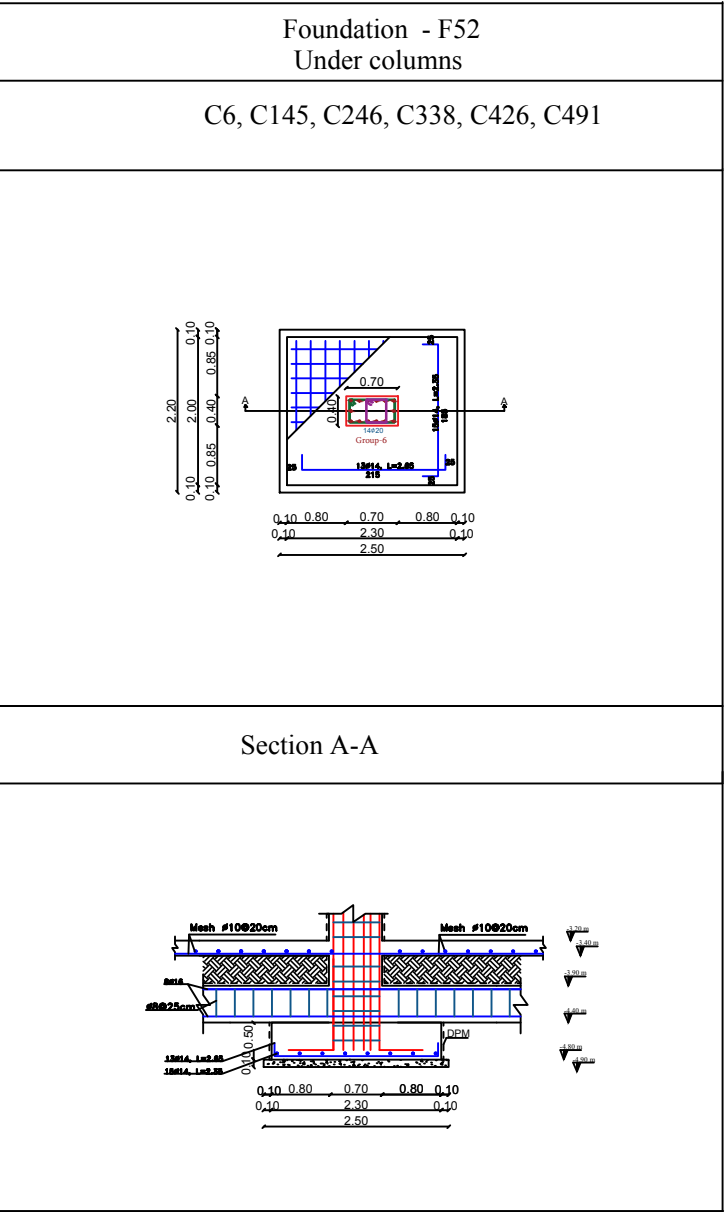
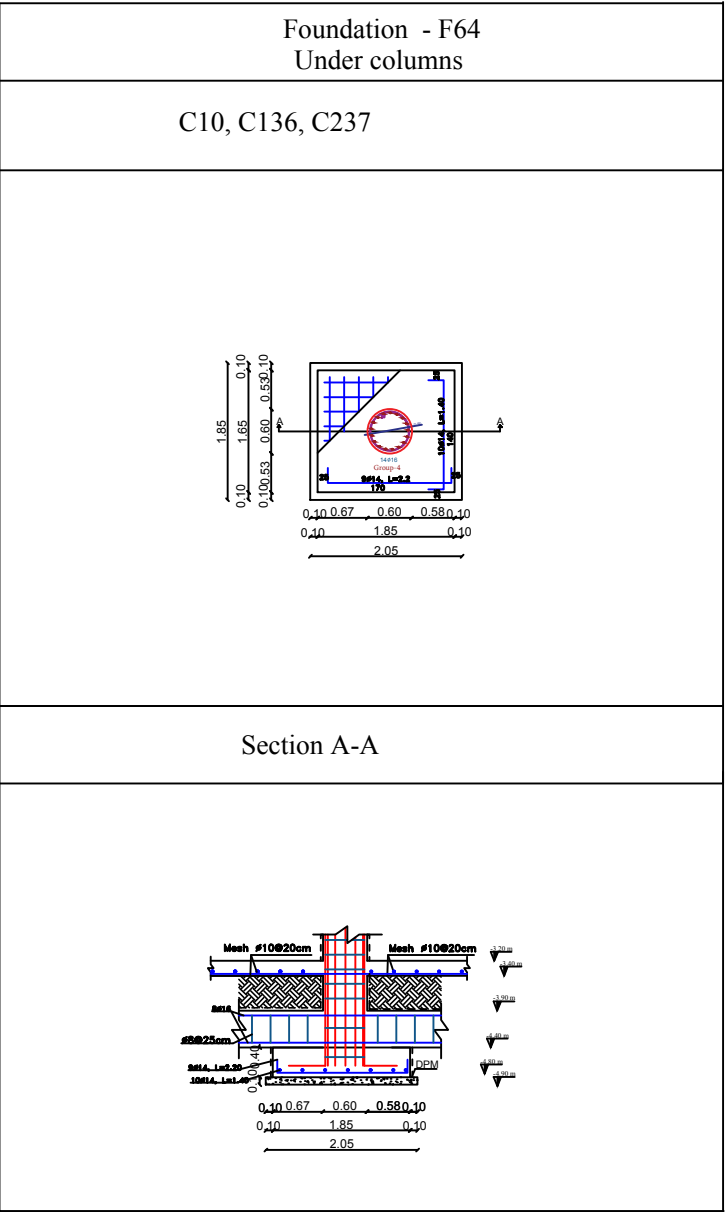
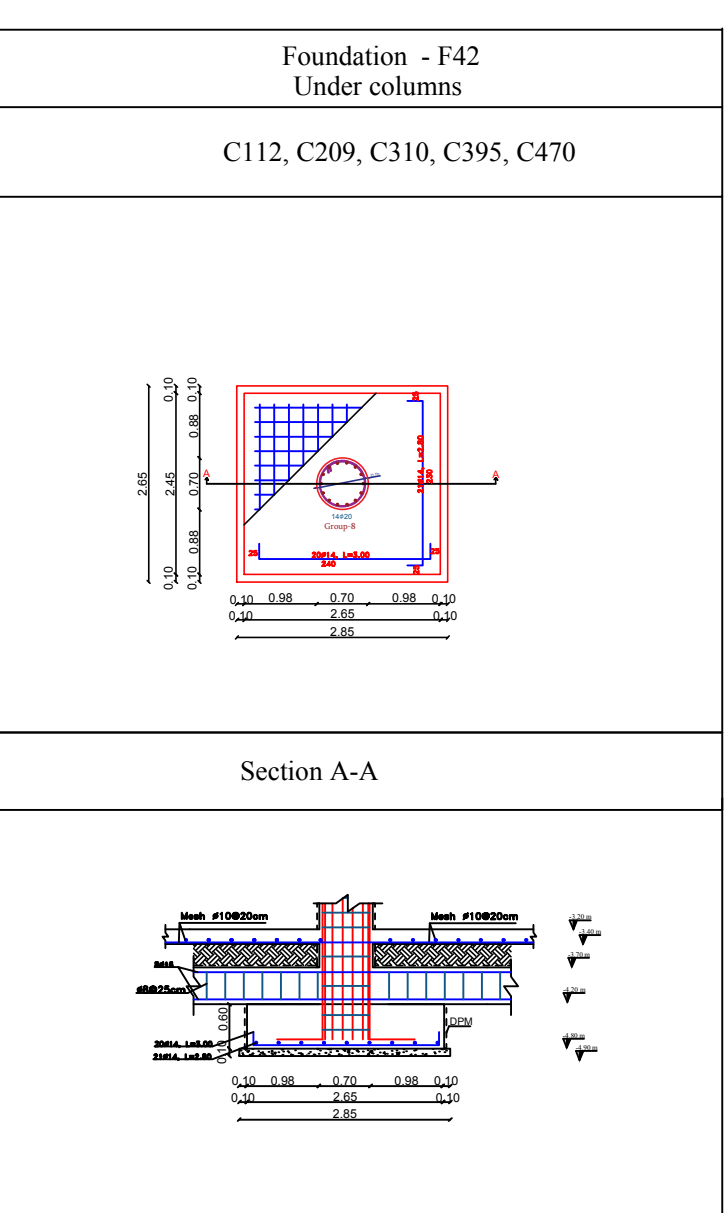
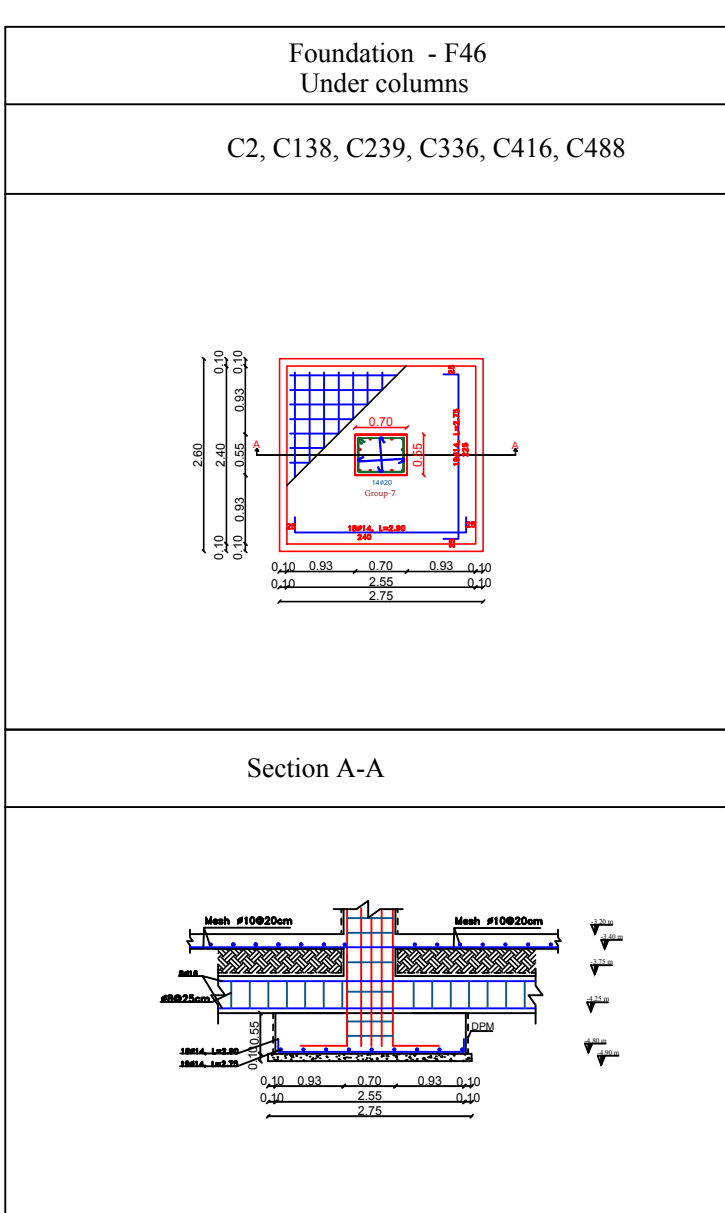
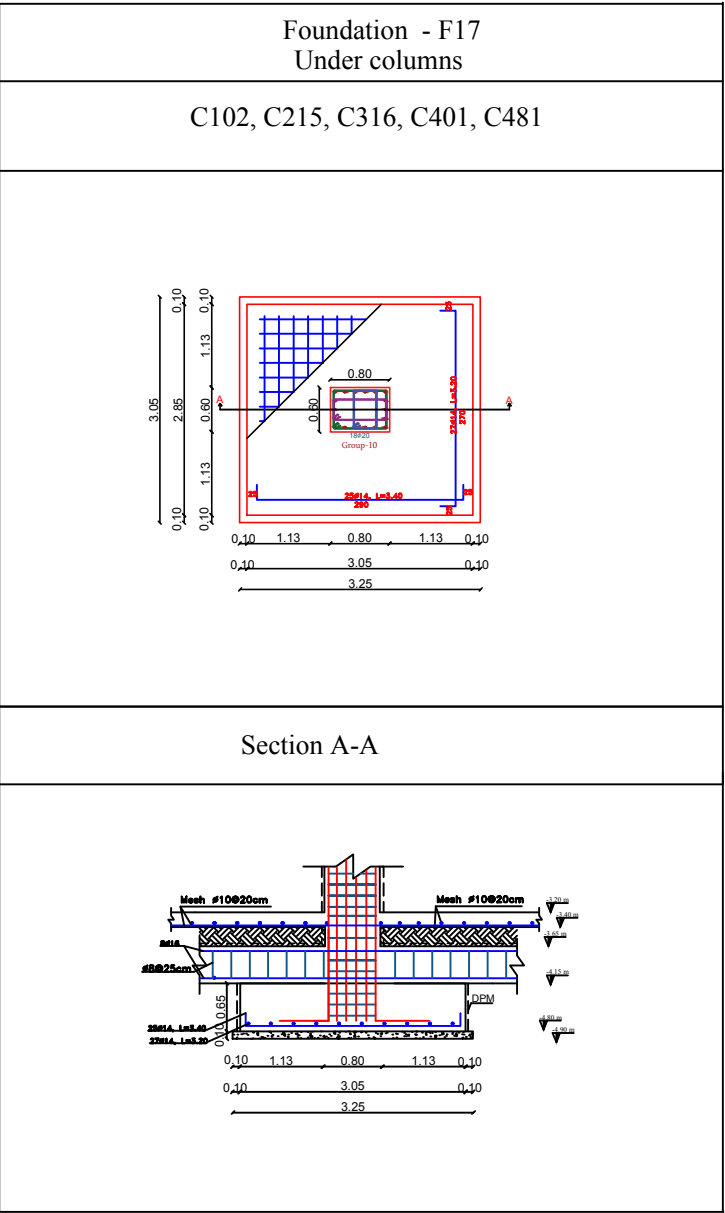
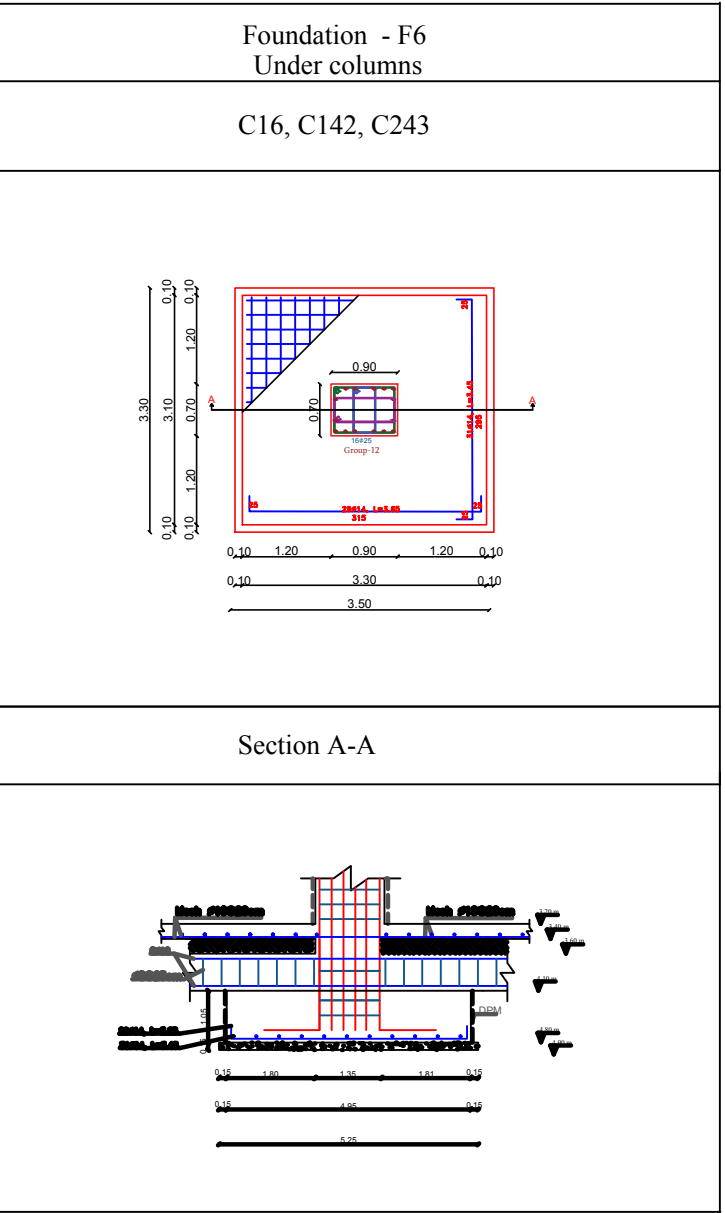
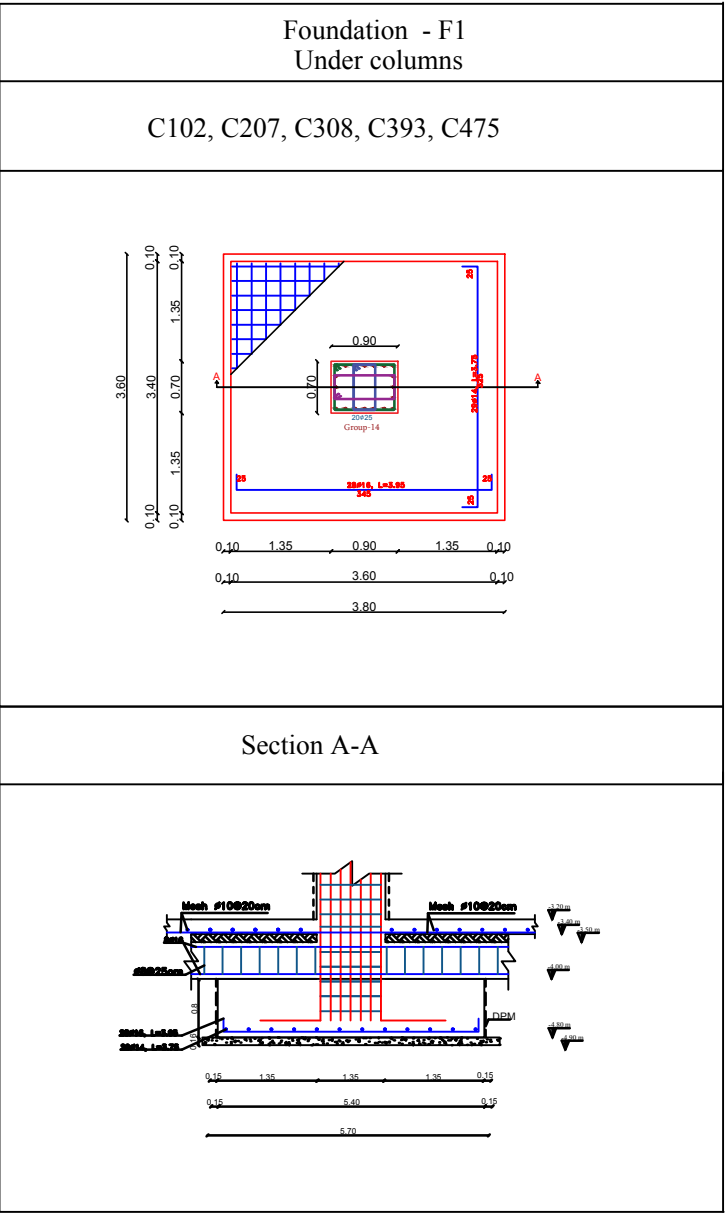
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

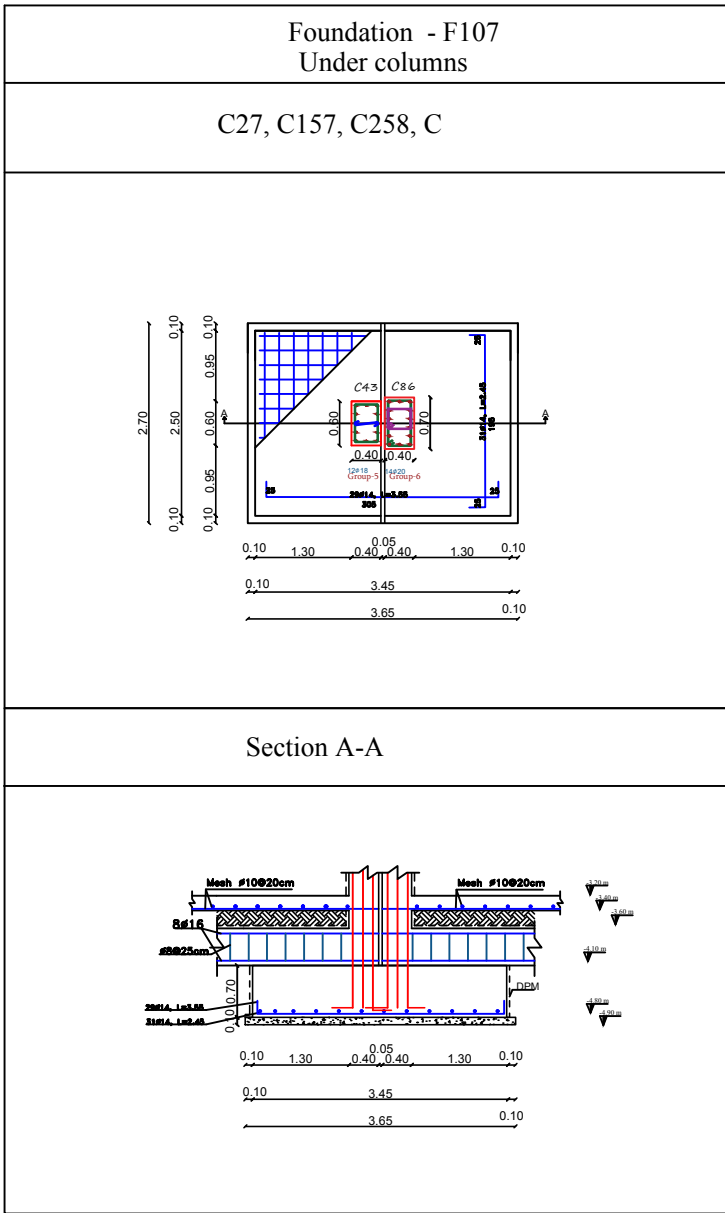
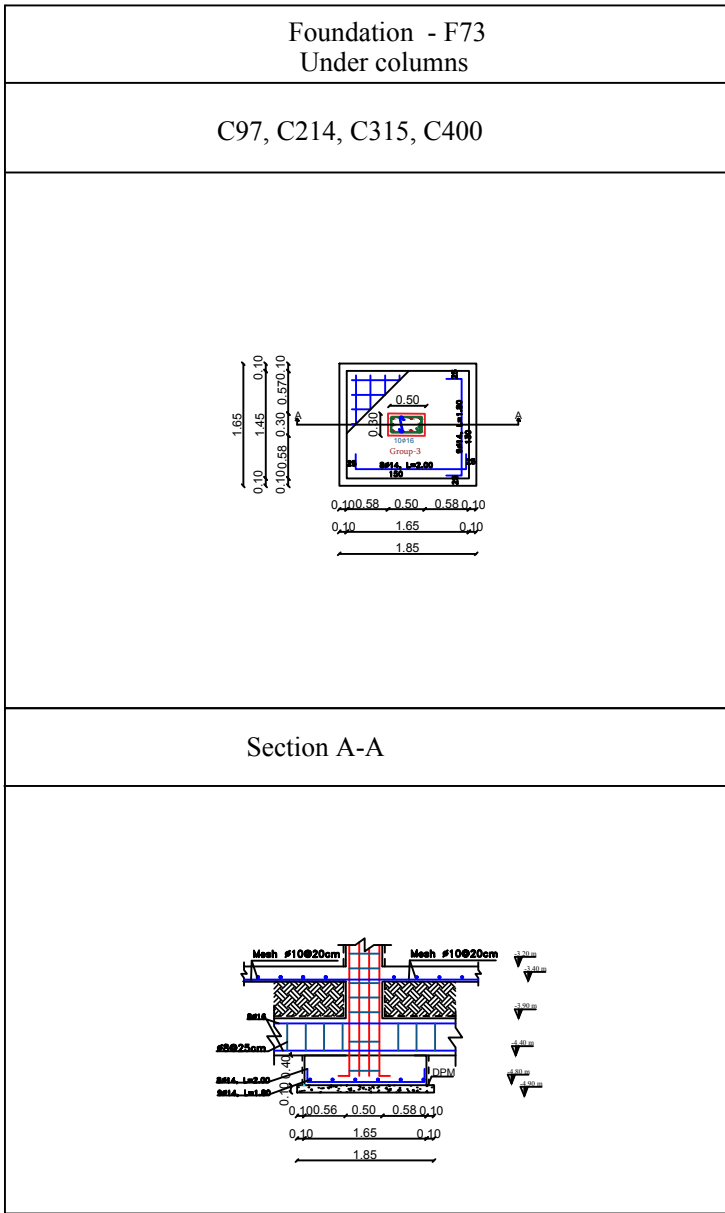
Drawing Contains:
Isolated Footing
Plans & Sections

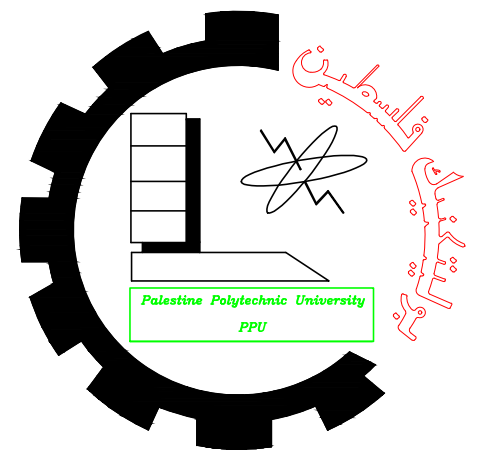
Scale:
(1:75)

No :
S02

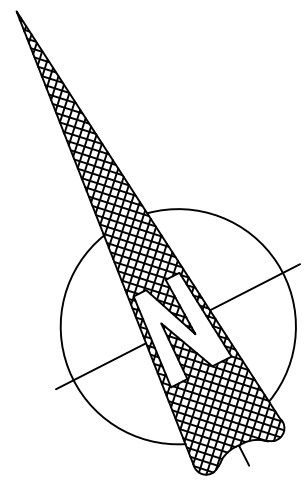


Sec-Tie Beam





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

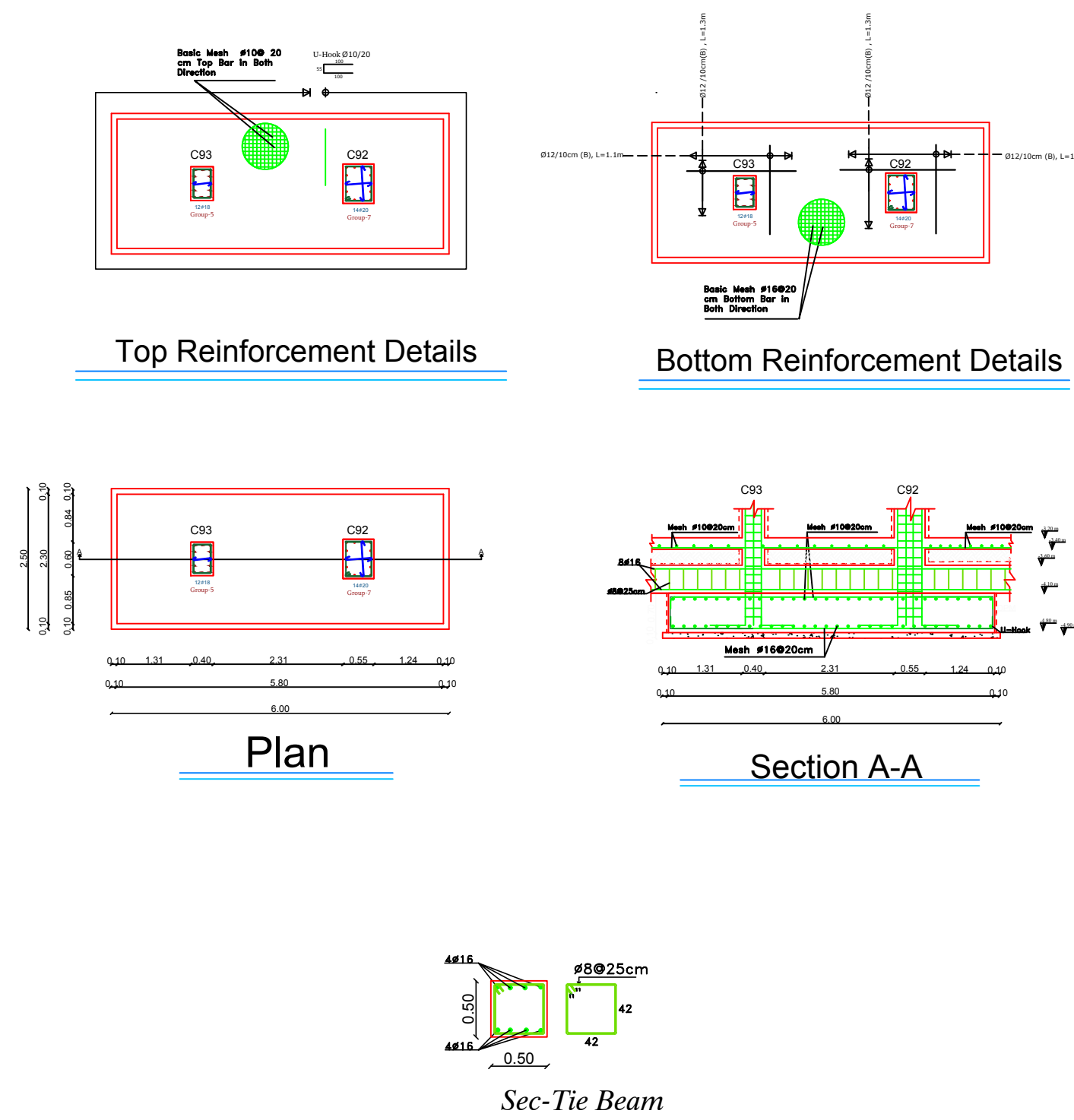
Combined Footing
Plans & Sections

Scale:
(1:75)

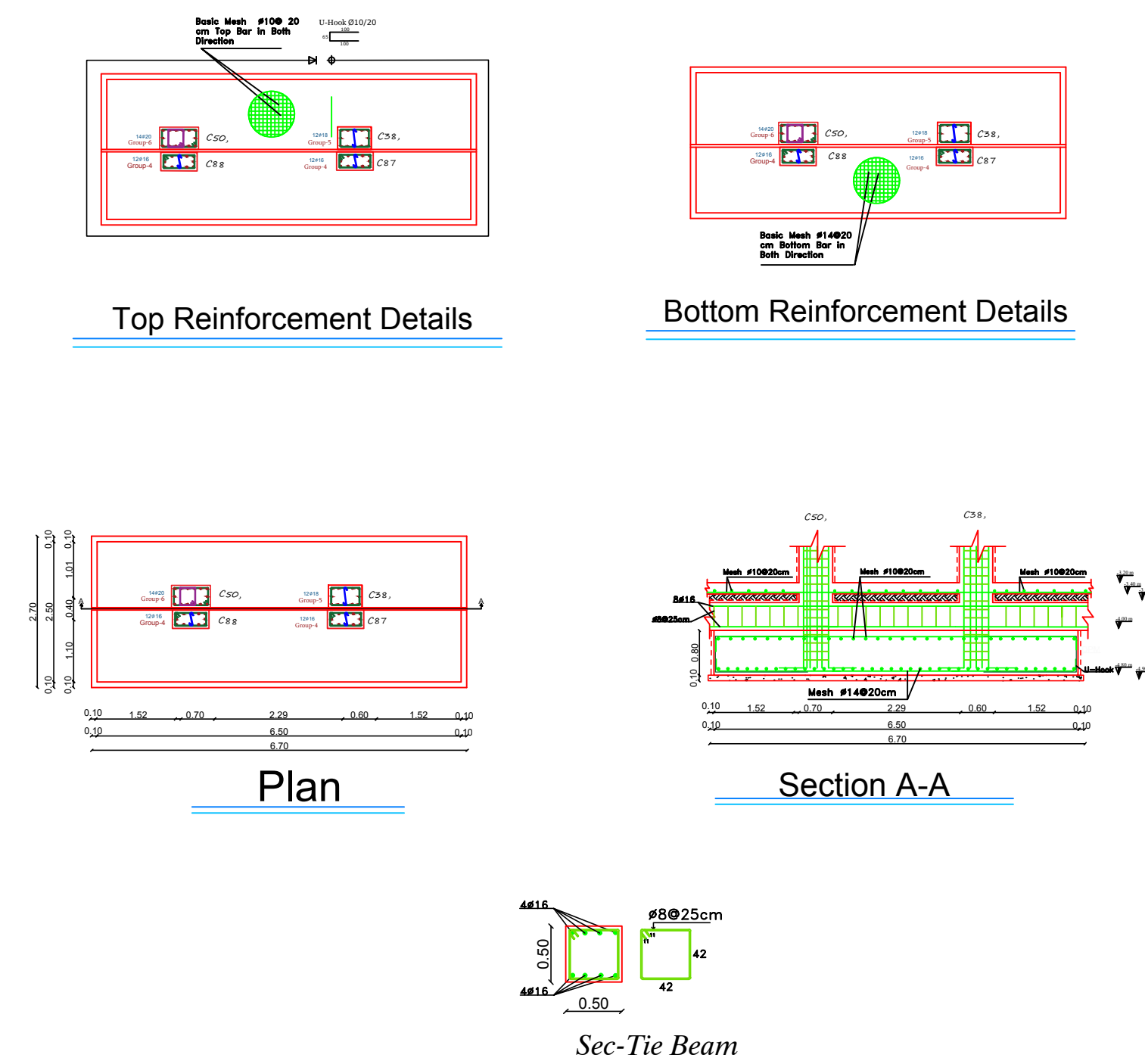
No :
S03

Combined Footing (1)

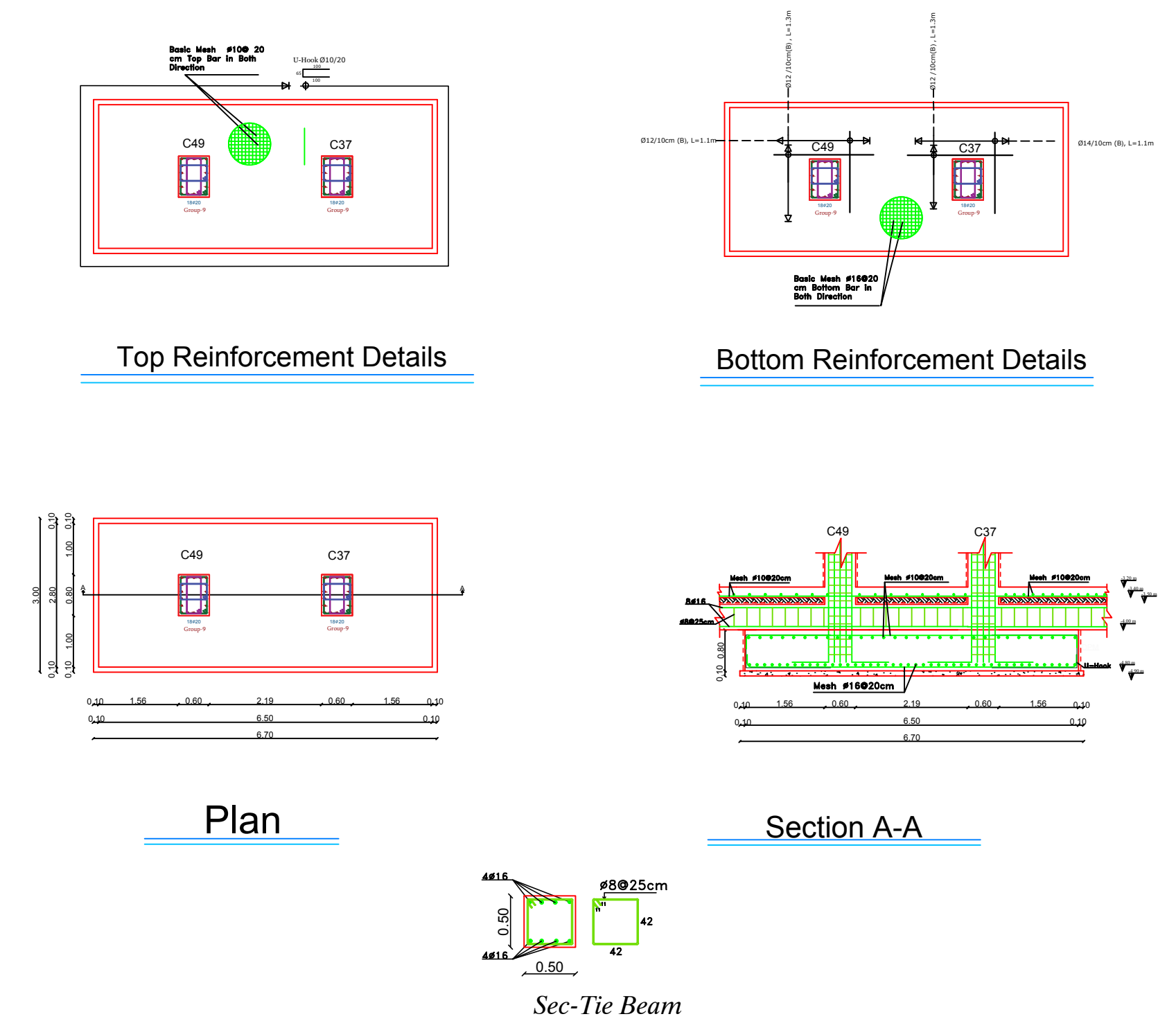
Combined 1



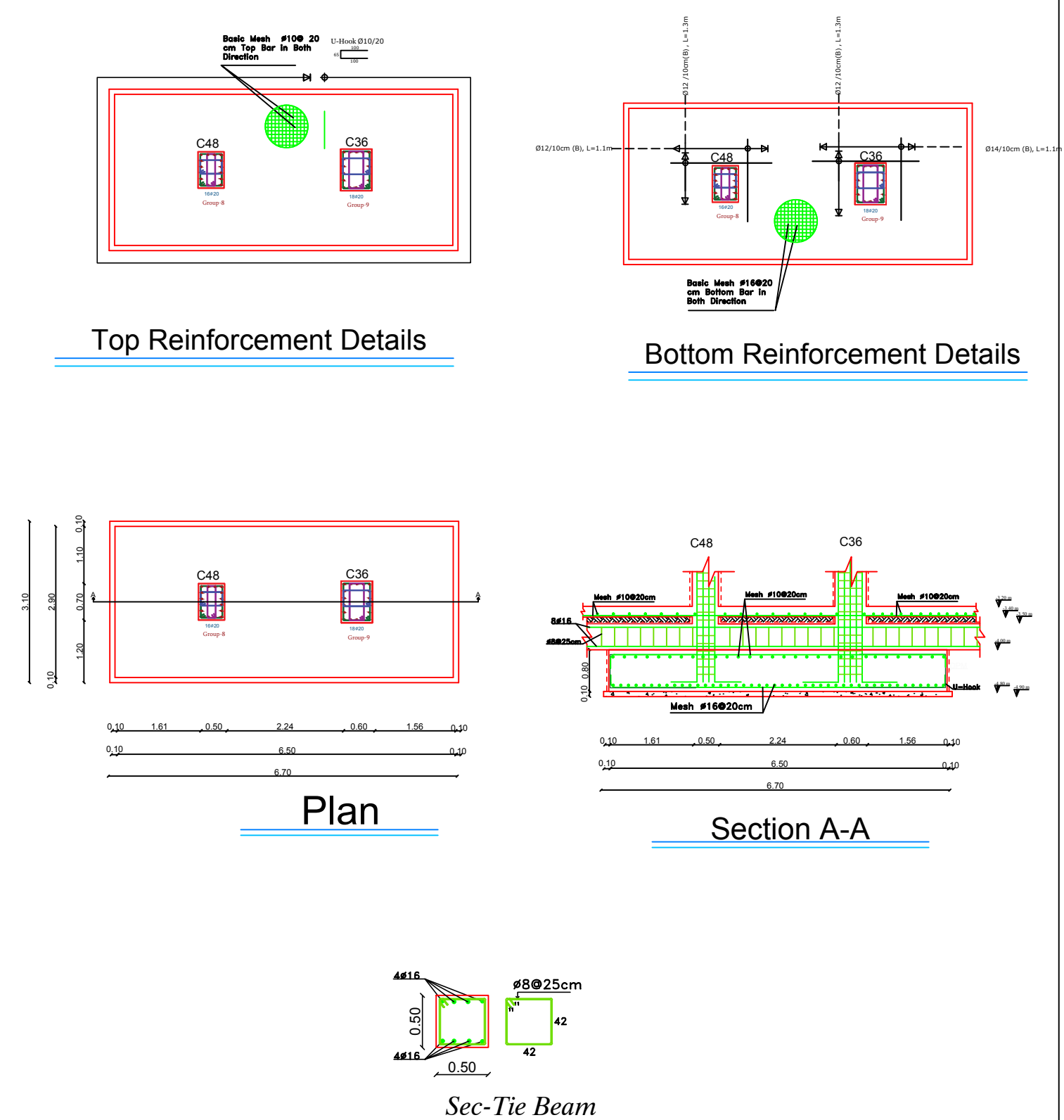
Combined 2



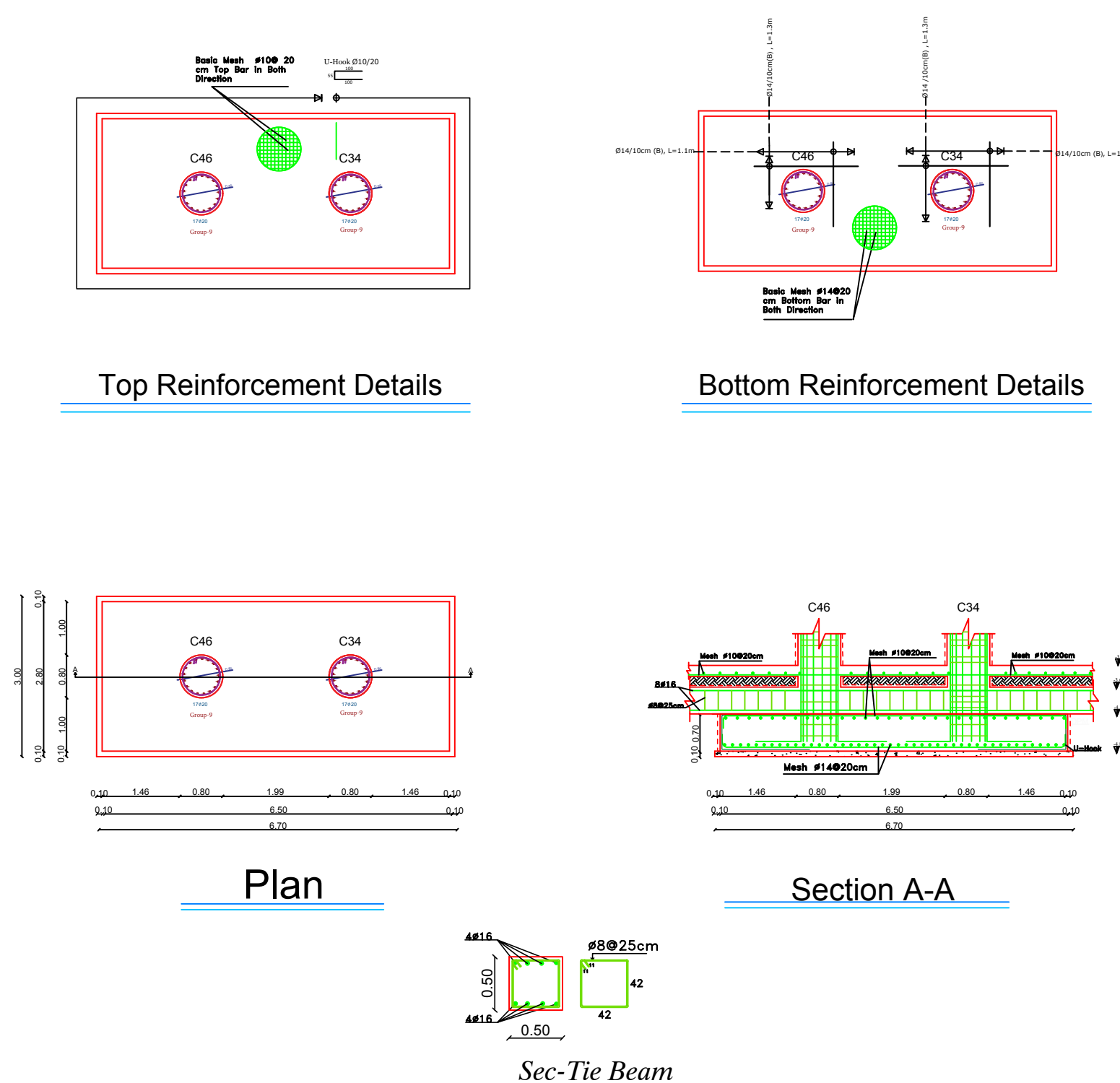
Combined 3



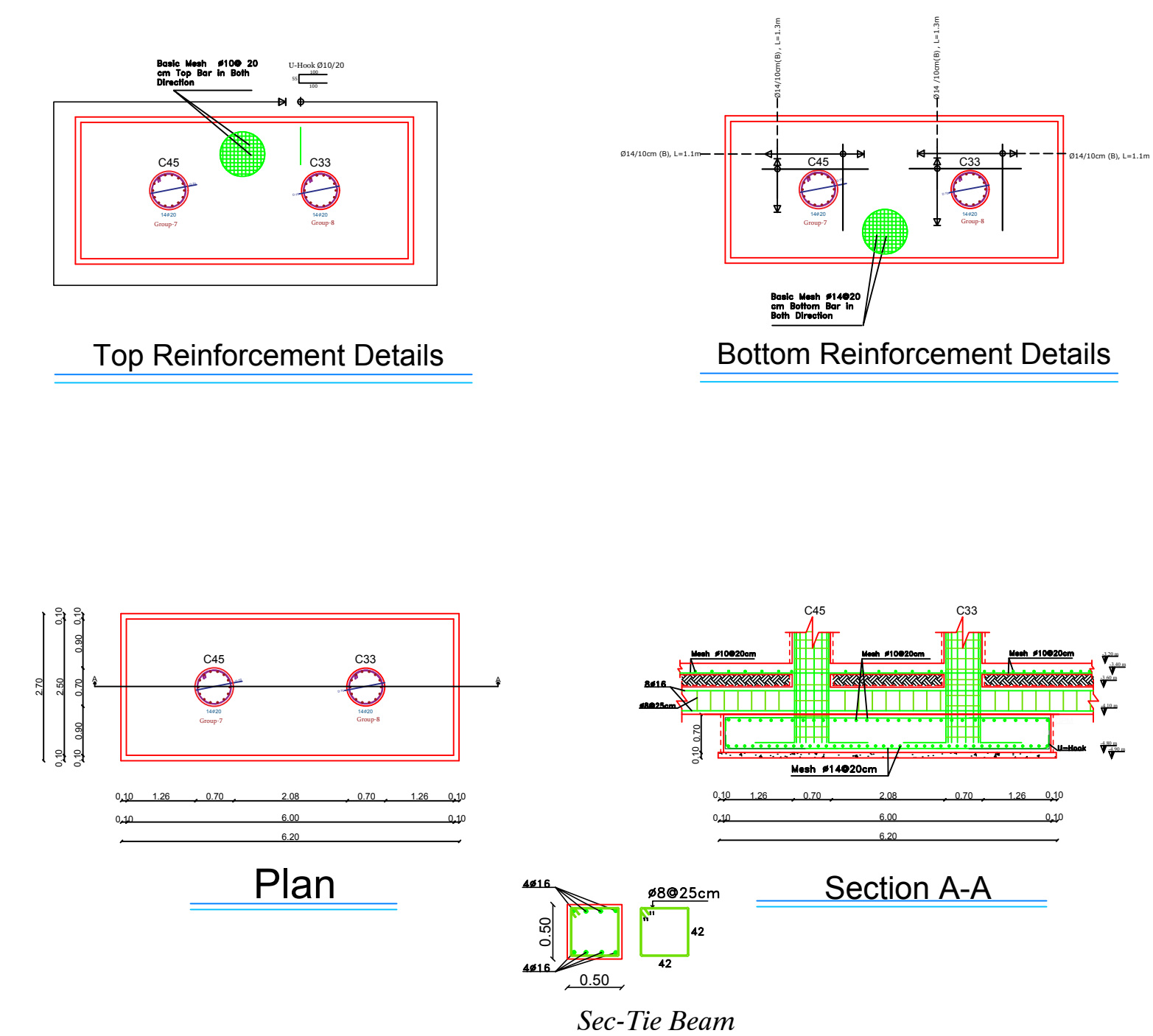
Combined 4



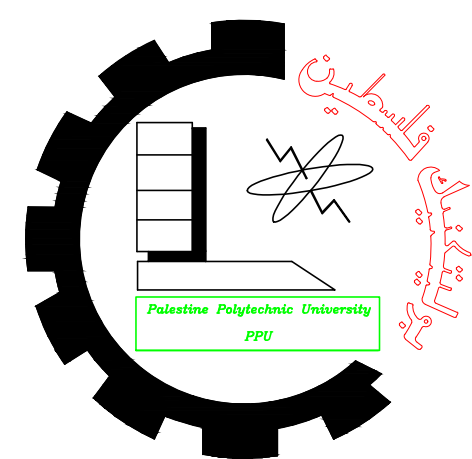
Combined 6



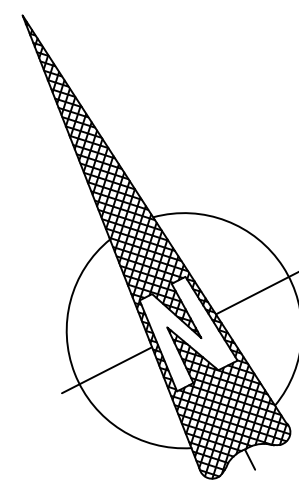
Combined 7



Combined Footing (2)



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| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

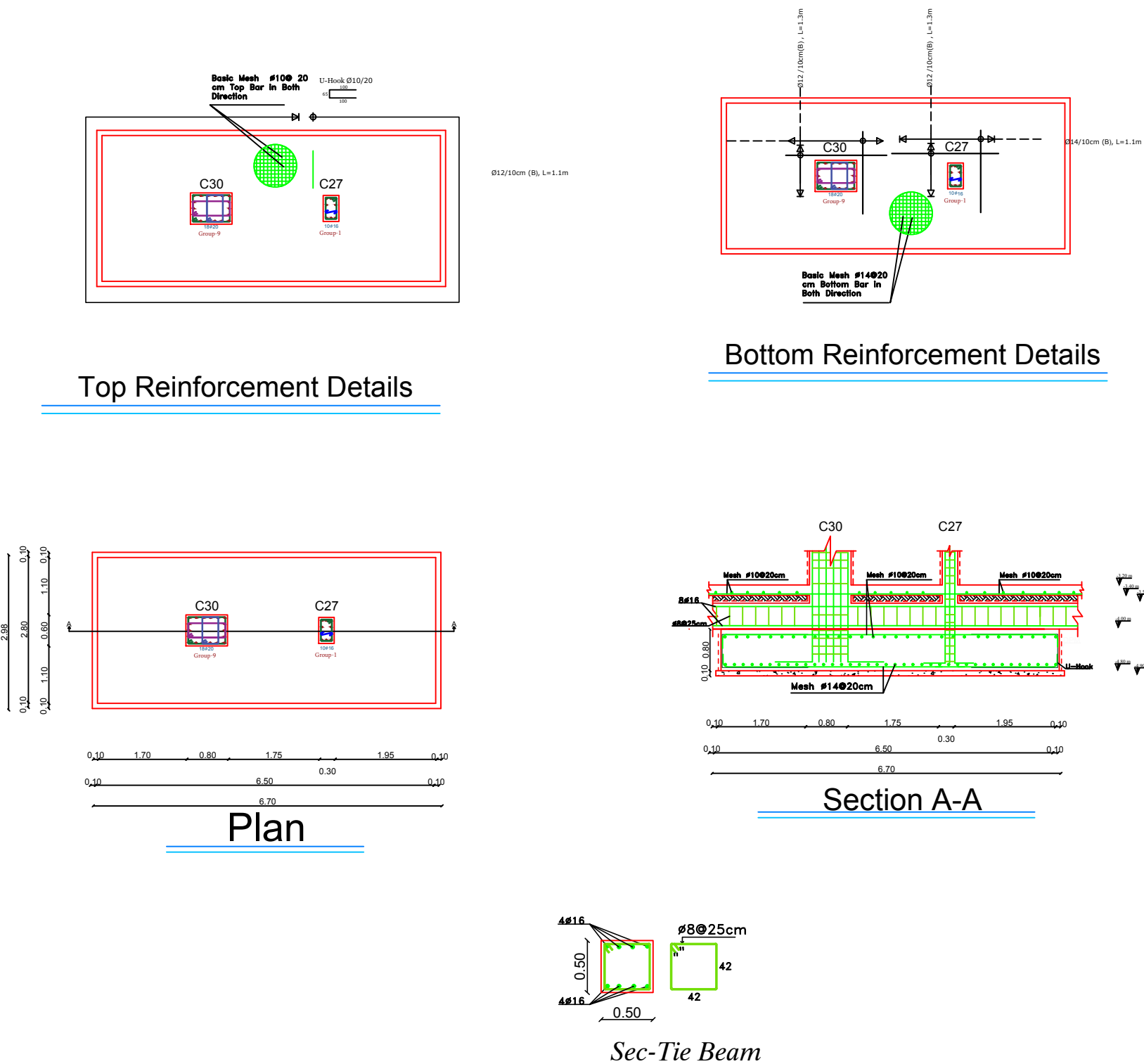
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Combined Footing
Plans & Sections

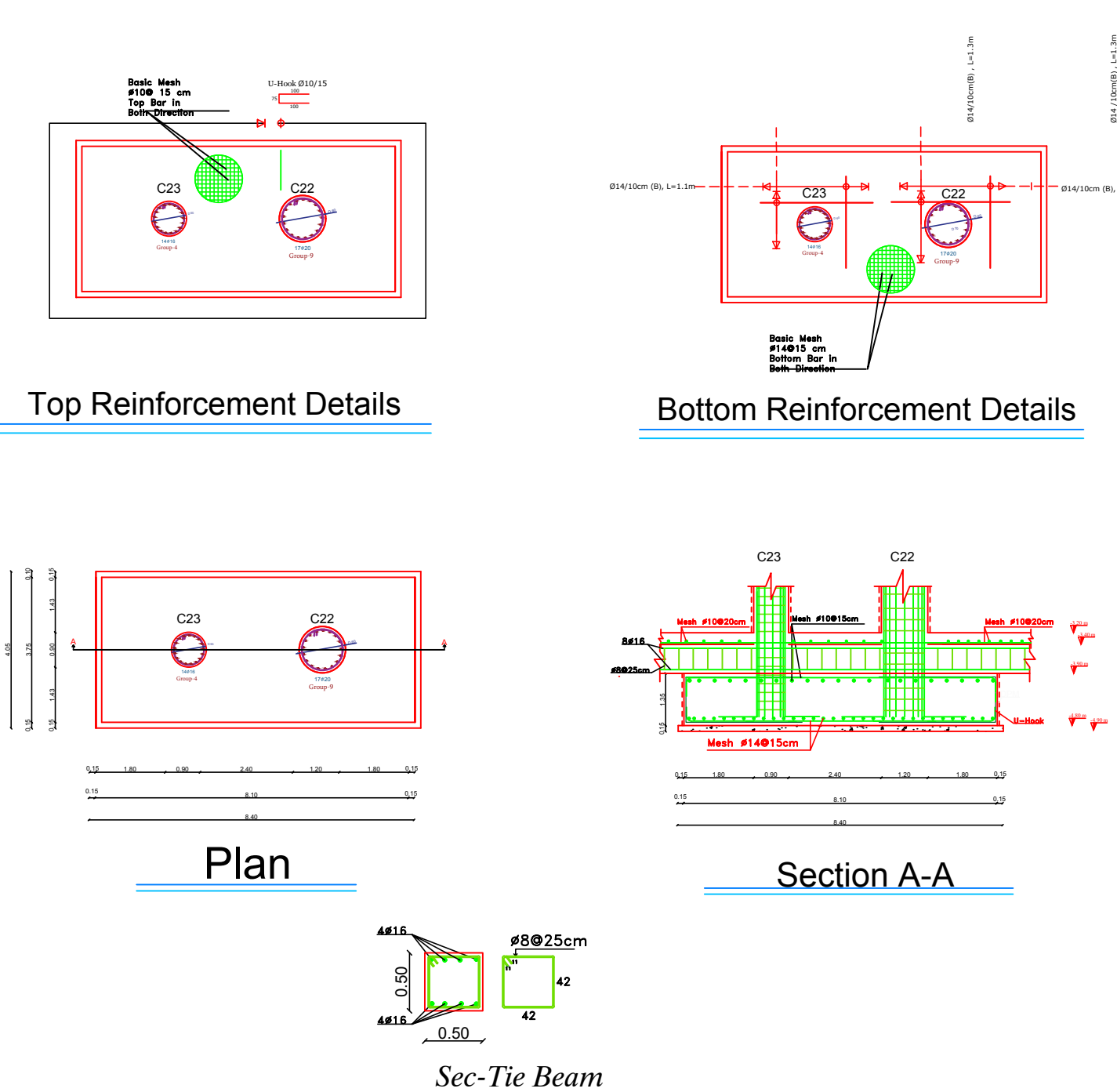
Scale:
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No :
S04

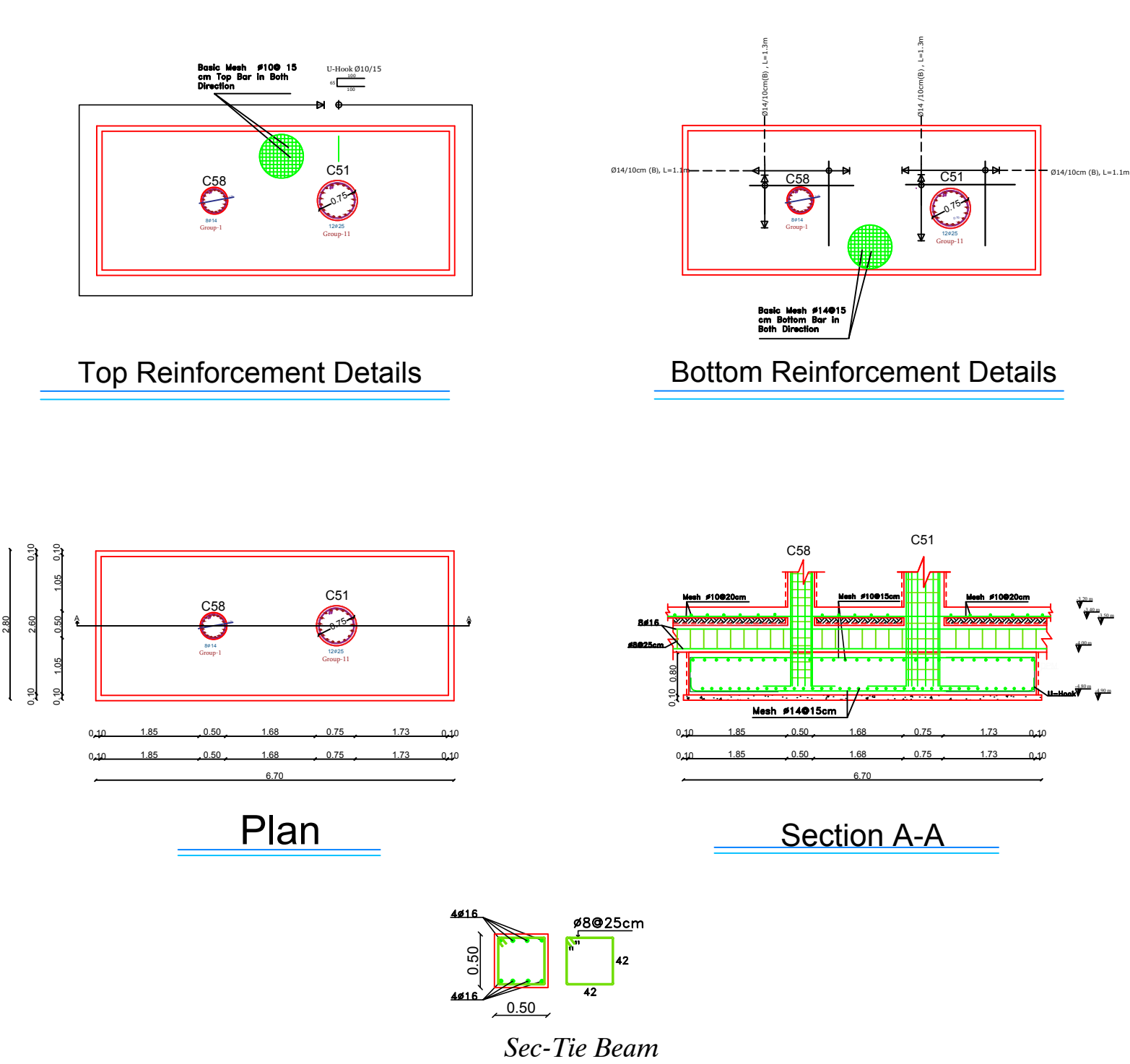
Combined 8



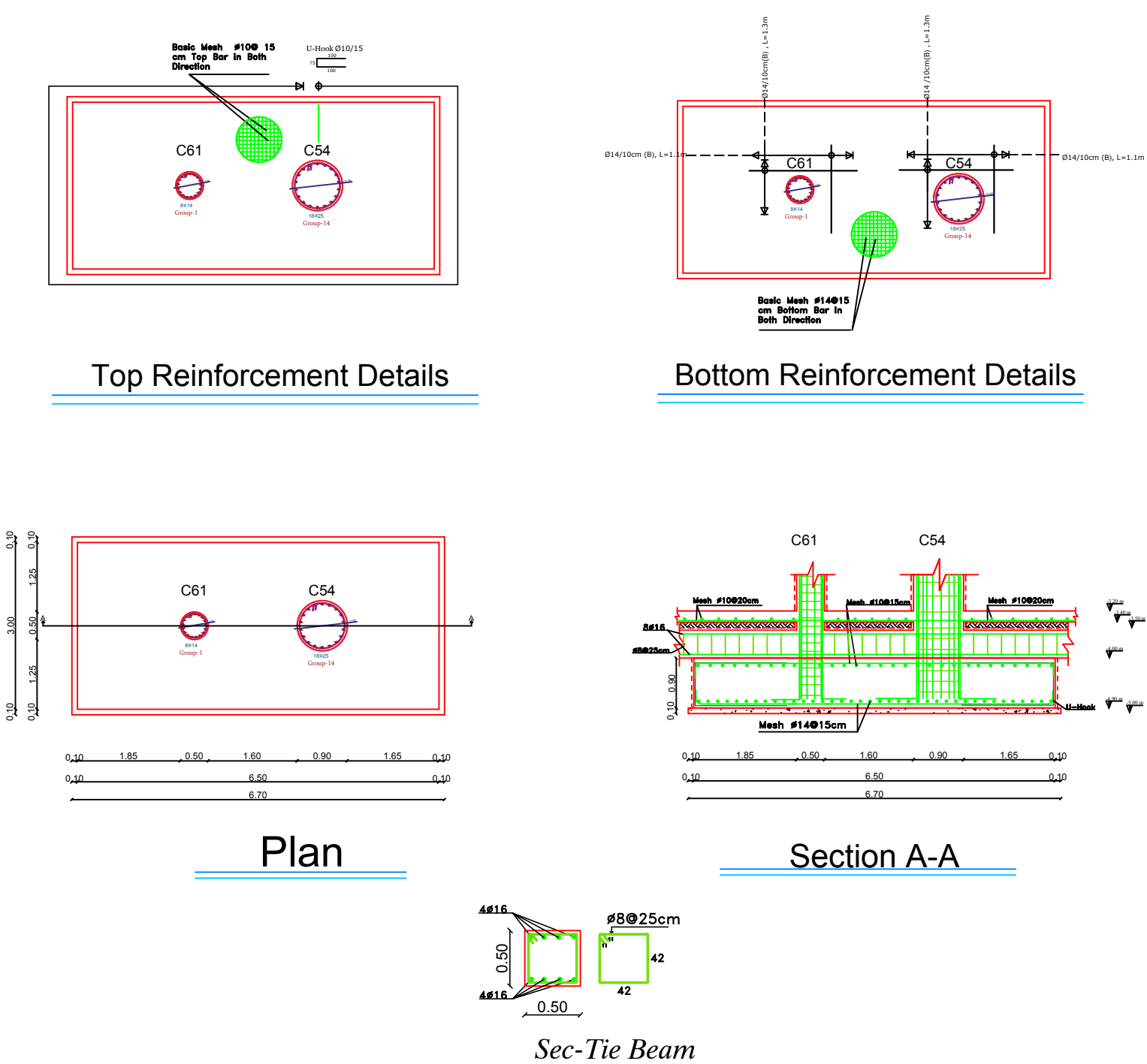
Combined 9



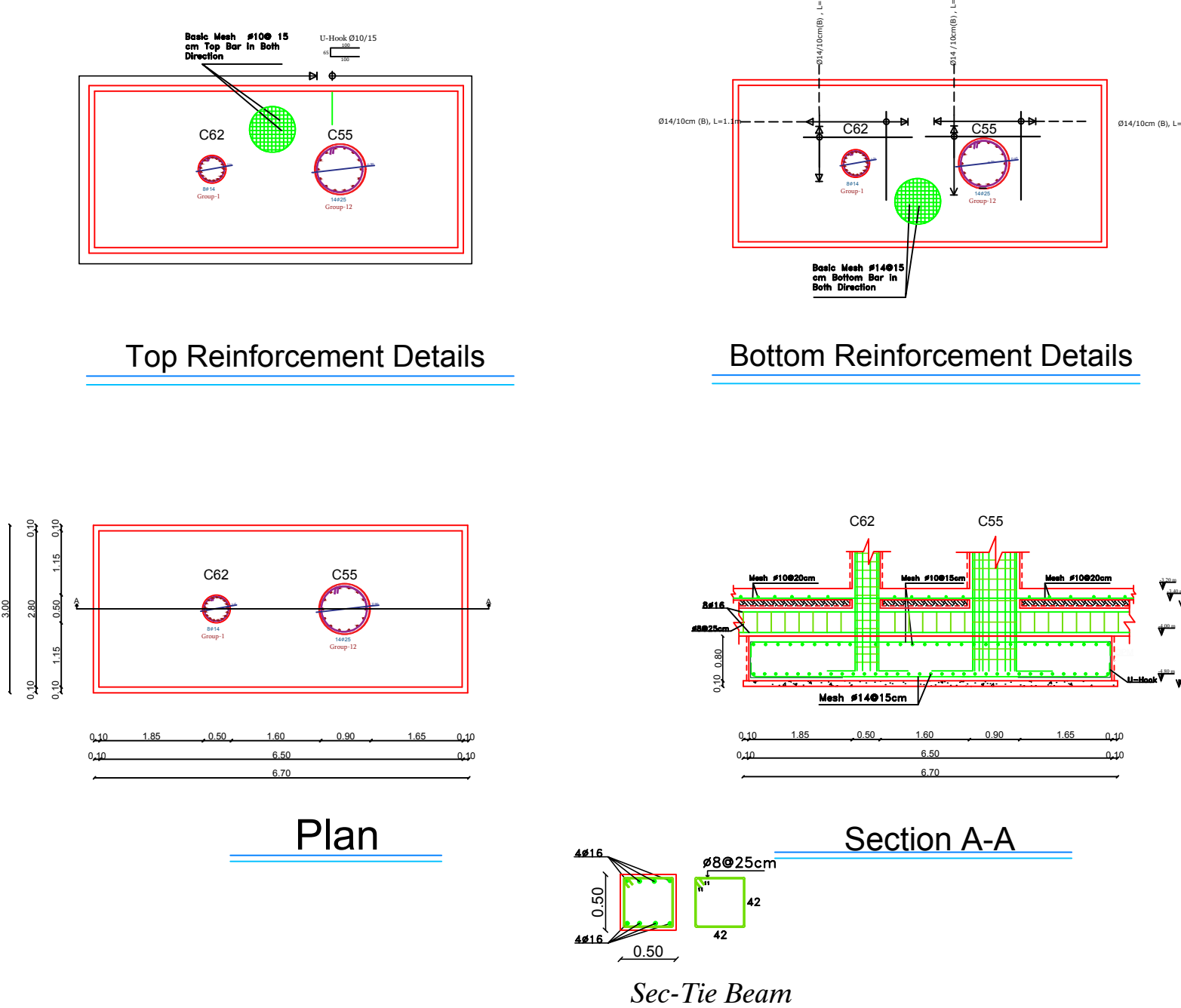
Combined 10



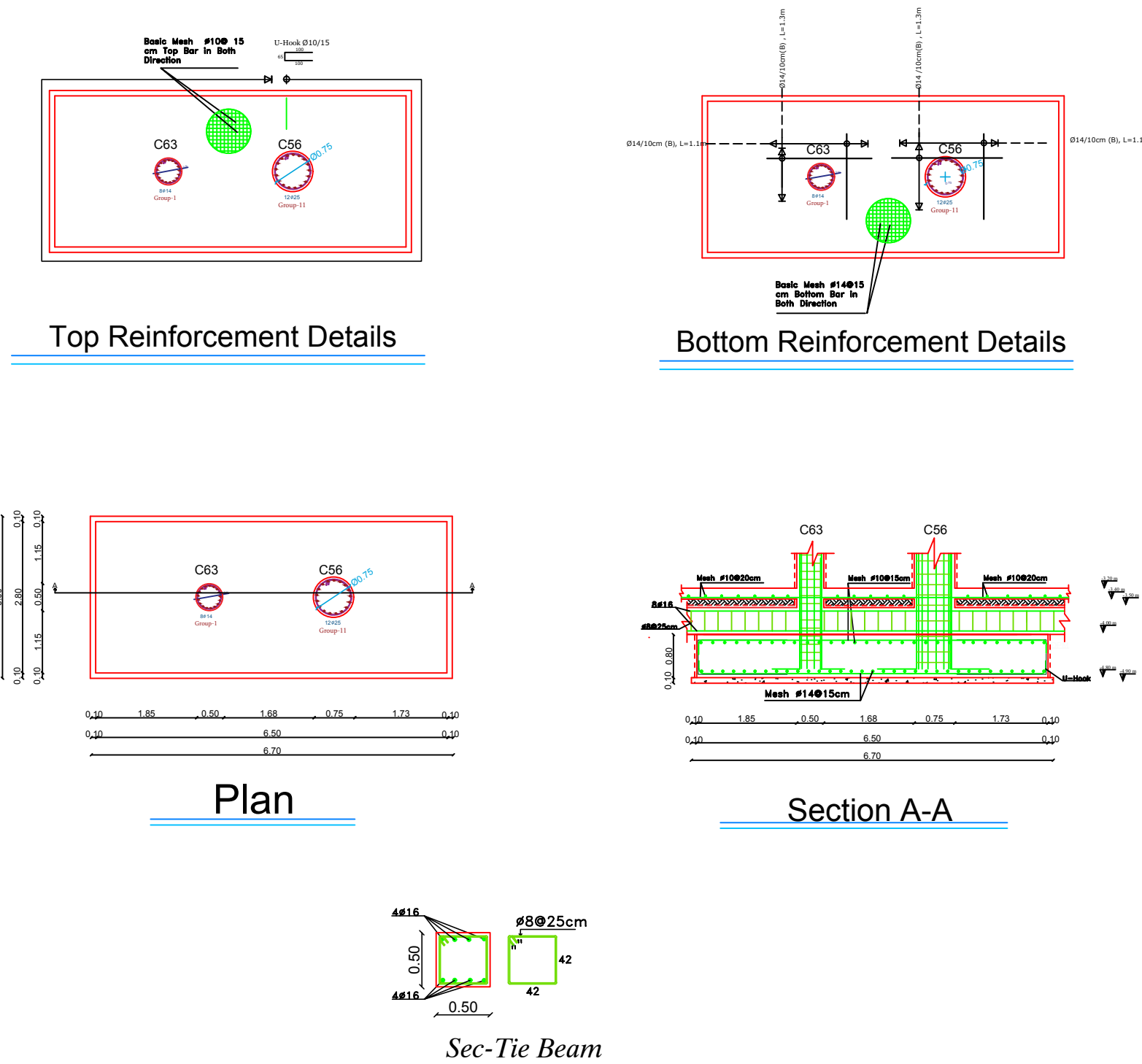
Combined12

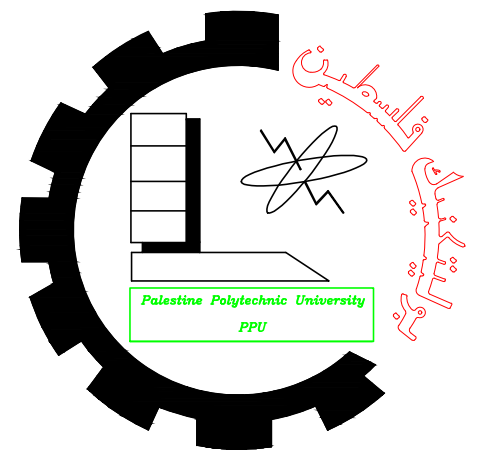


Combined 13

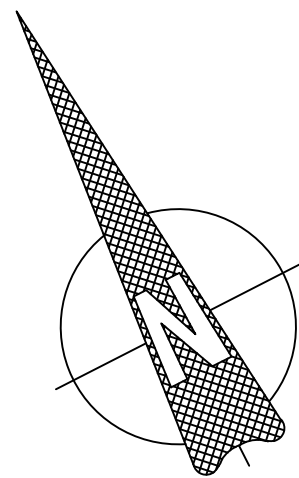


Combined 14





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civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

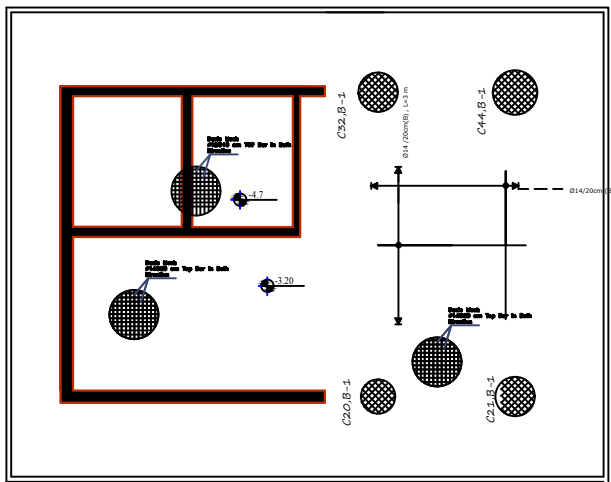
Drawing Contains:

MAT Footing
Strip Footing

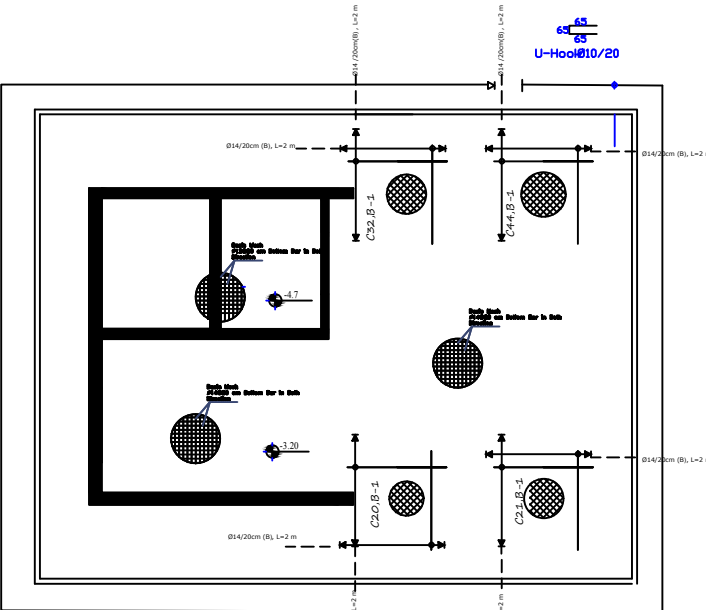
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No :
S05

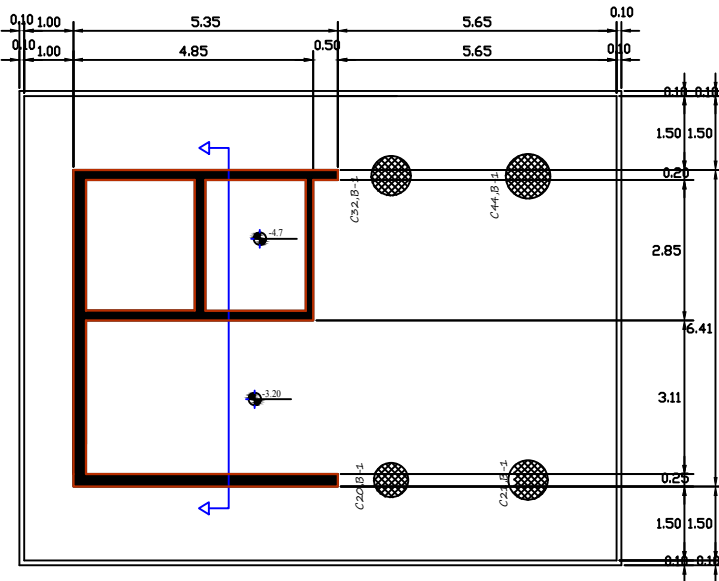
MAT 2



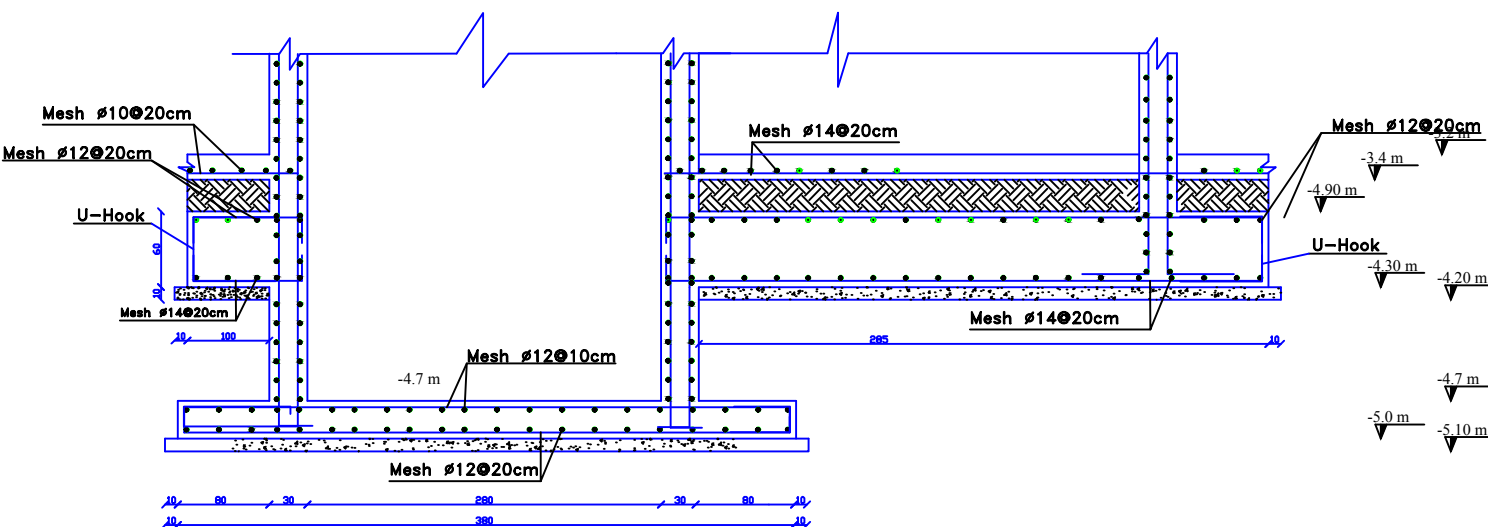
Top Reinforcement Details



Bottom Reinforcement Details

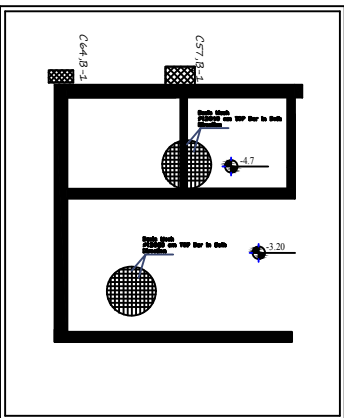


Plan

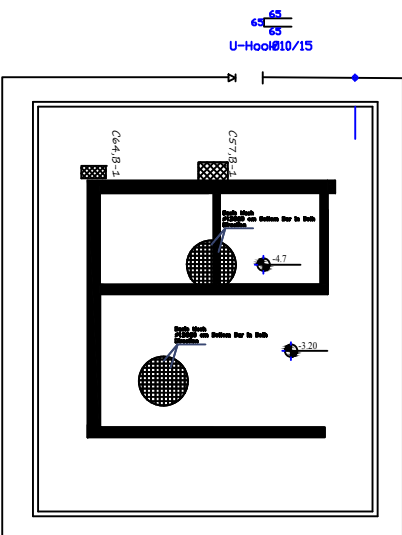


Section A-A

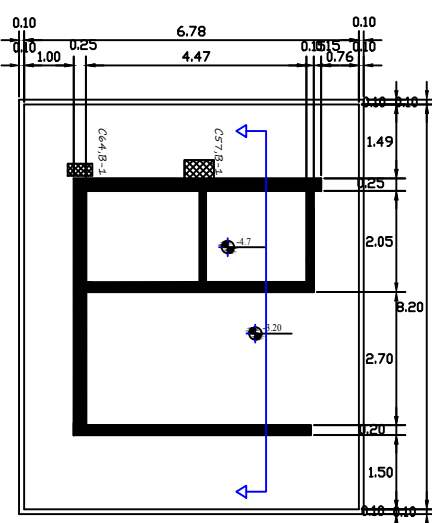
MAT 4



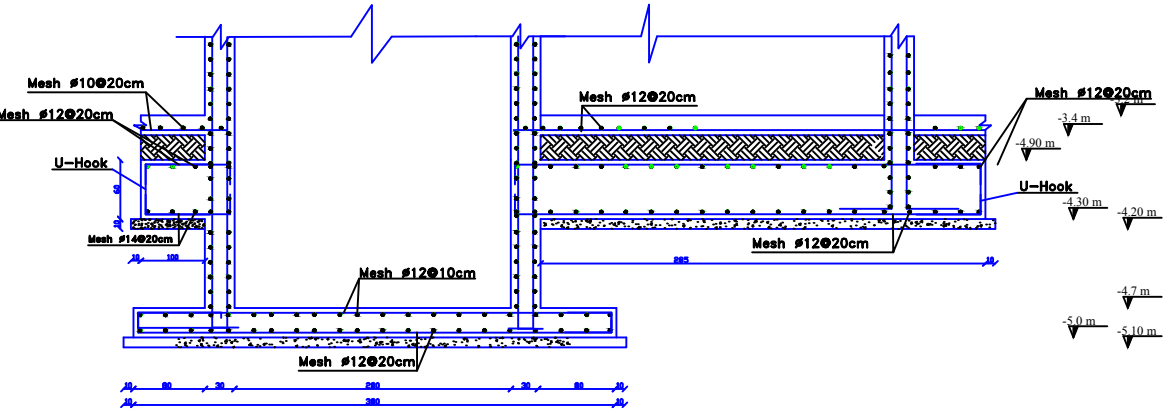
Top Reinforcement Details



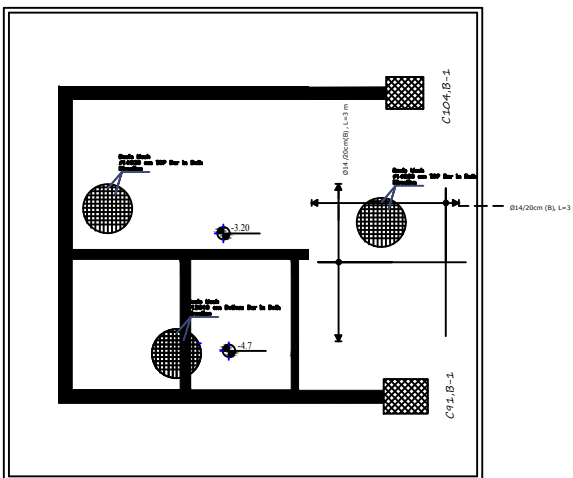
Bottom Reinforcement Details



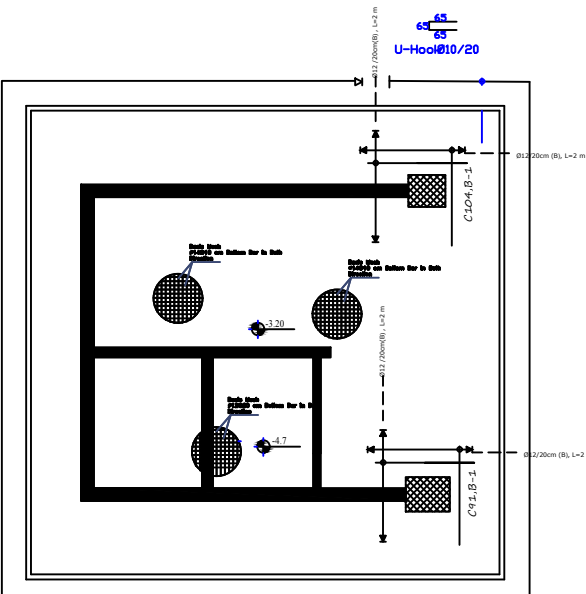
Section A-A



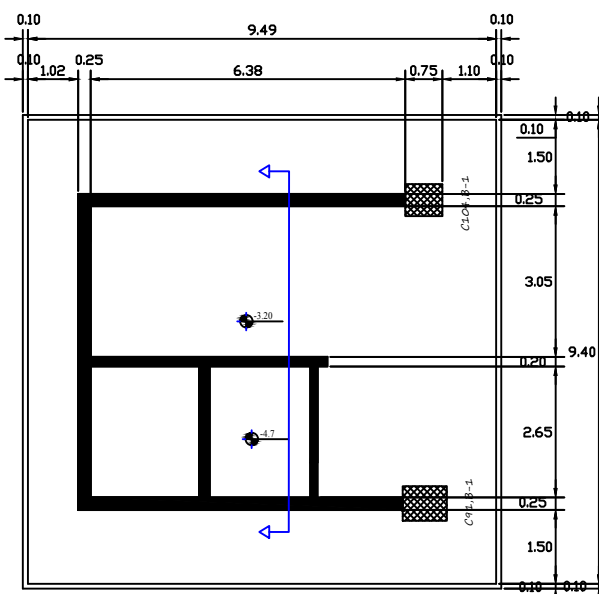
MAT 3



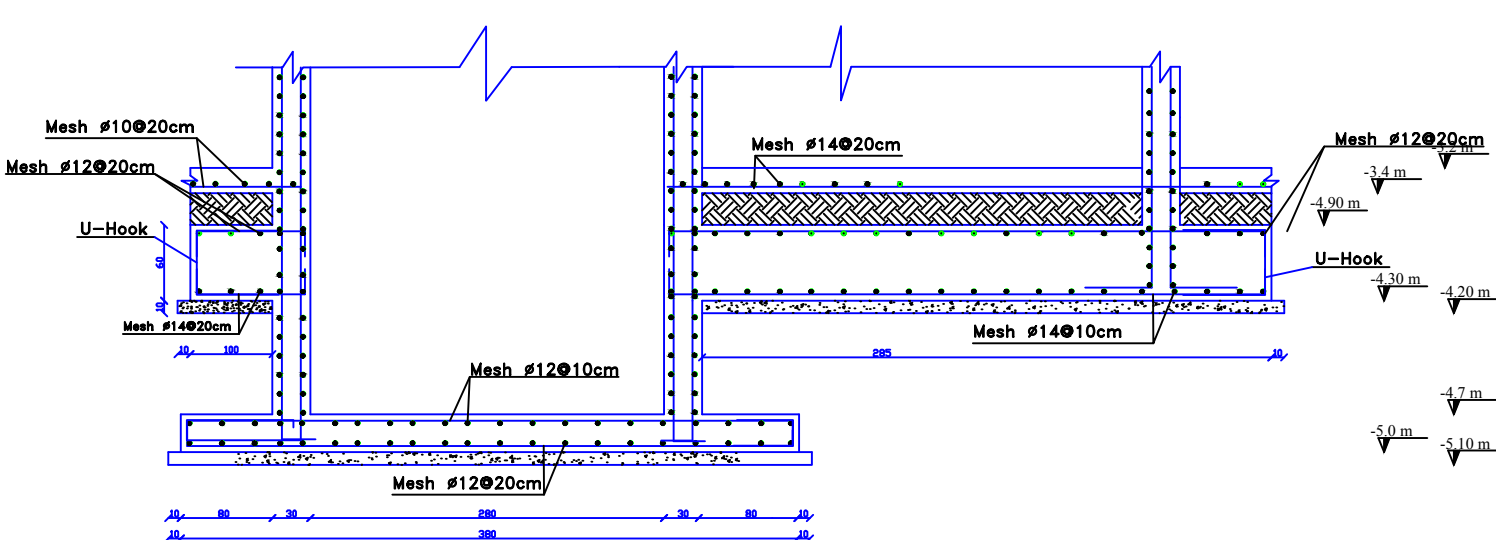
Top Reinforcement Details



Bottom Reinforcement Details

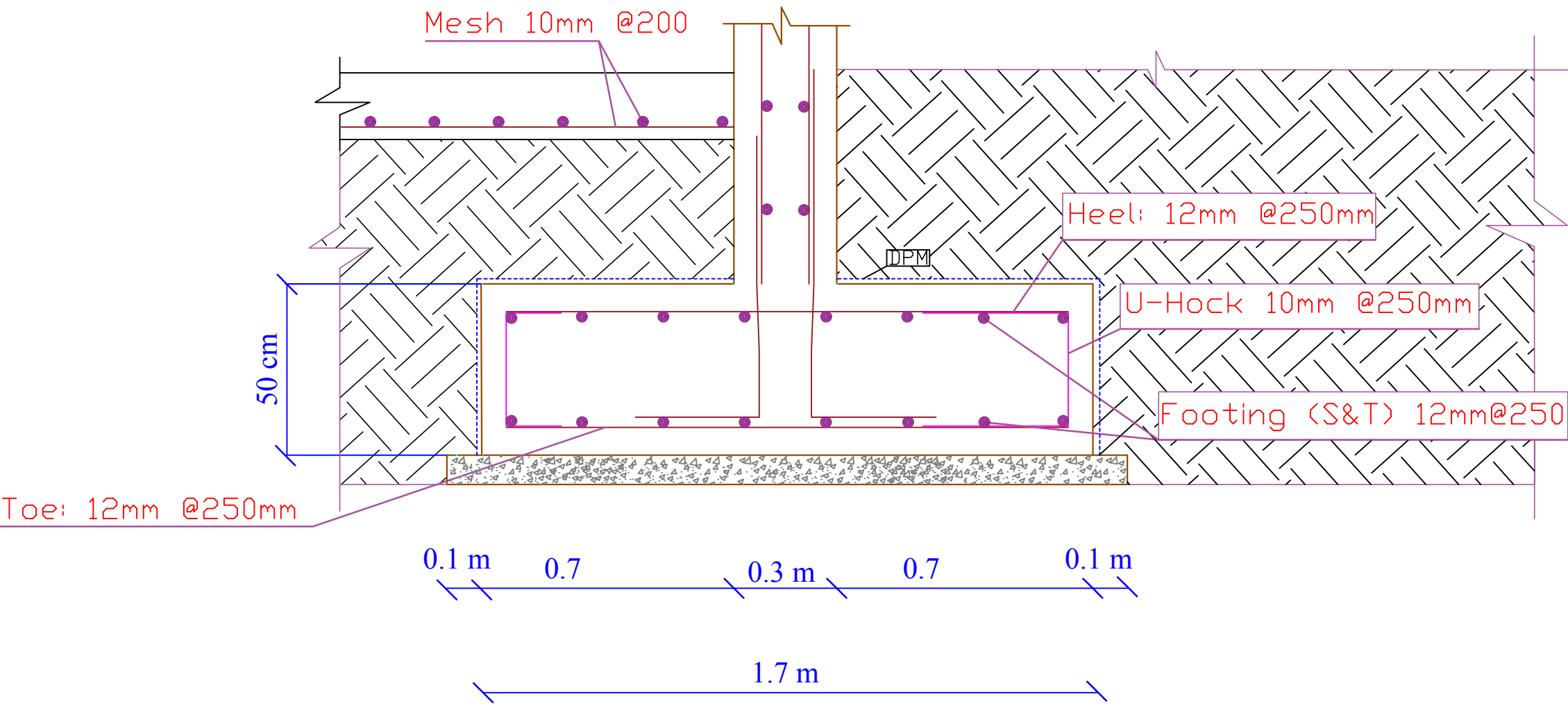


Plan

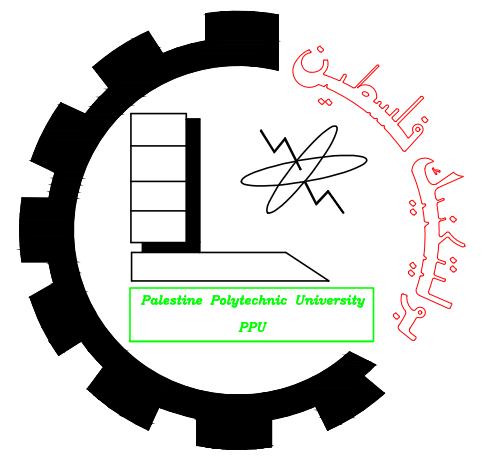


Section A-A

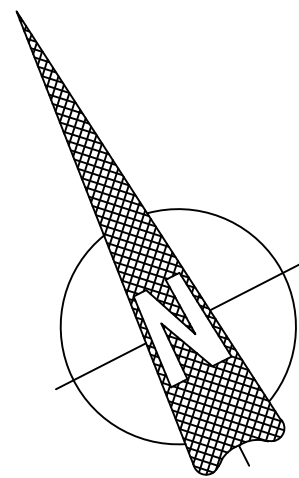
Strip Footing (For Retaining Wall)



Scale:
(1:10)



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civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

Done by :
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Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

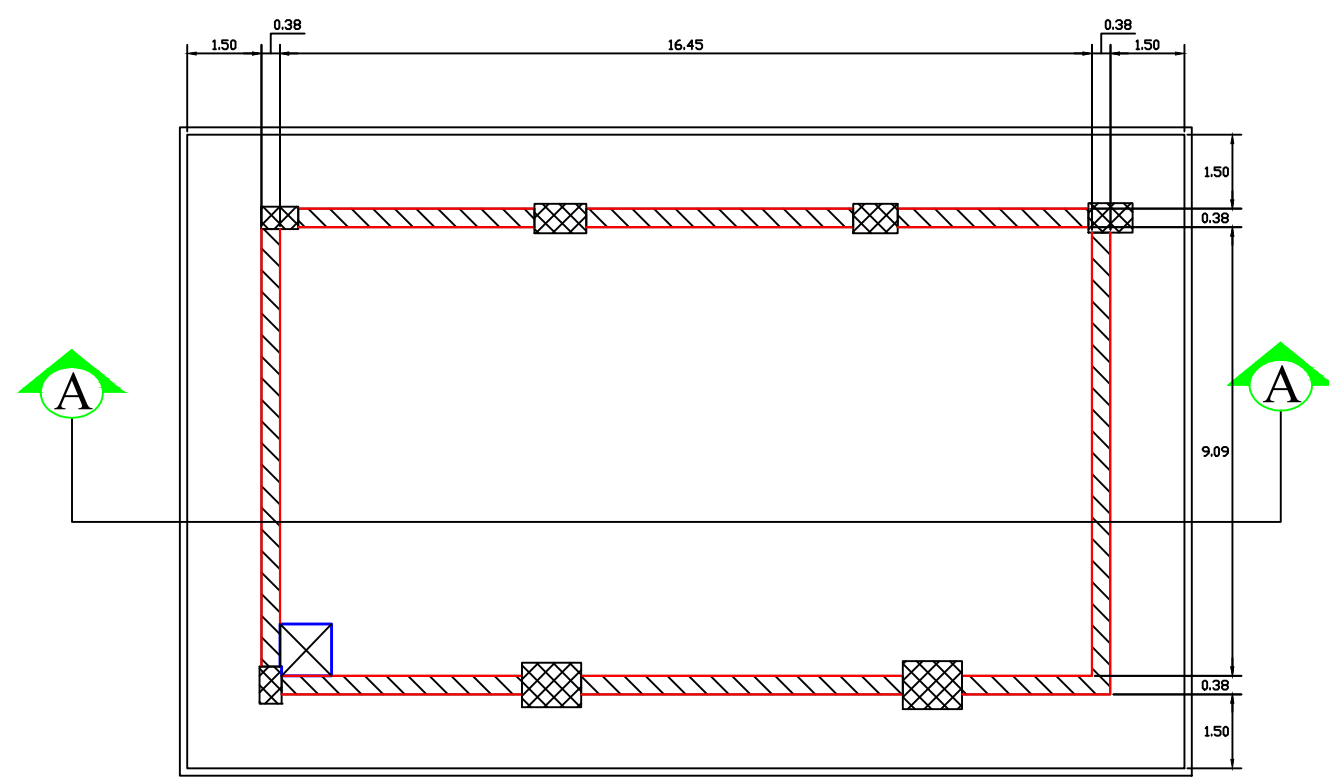
Drawing Contains:

Water Tank Details

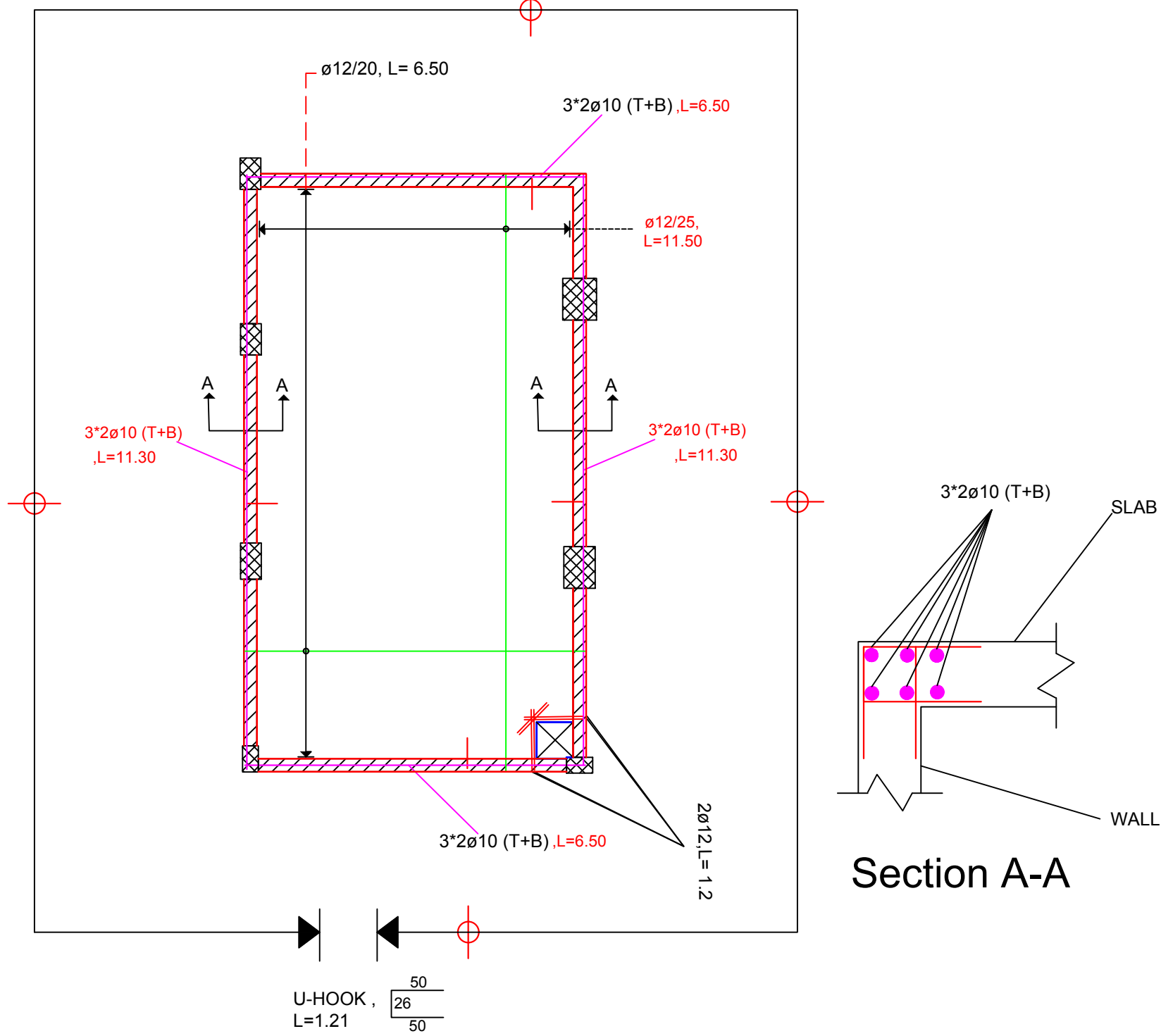
Scale:
(1:75)

No :
S06

Water Tank Plan

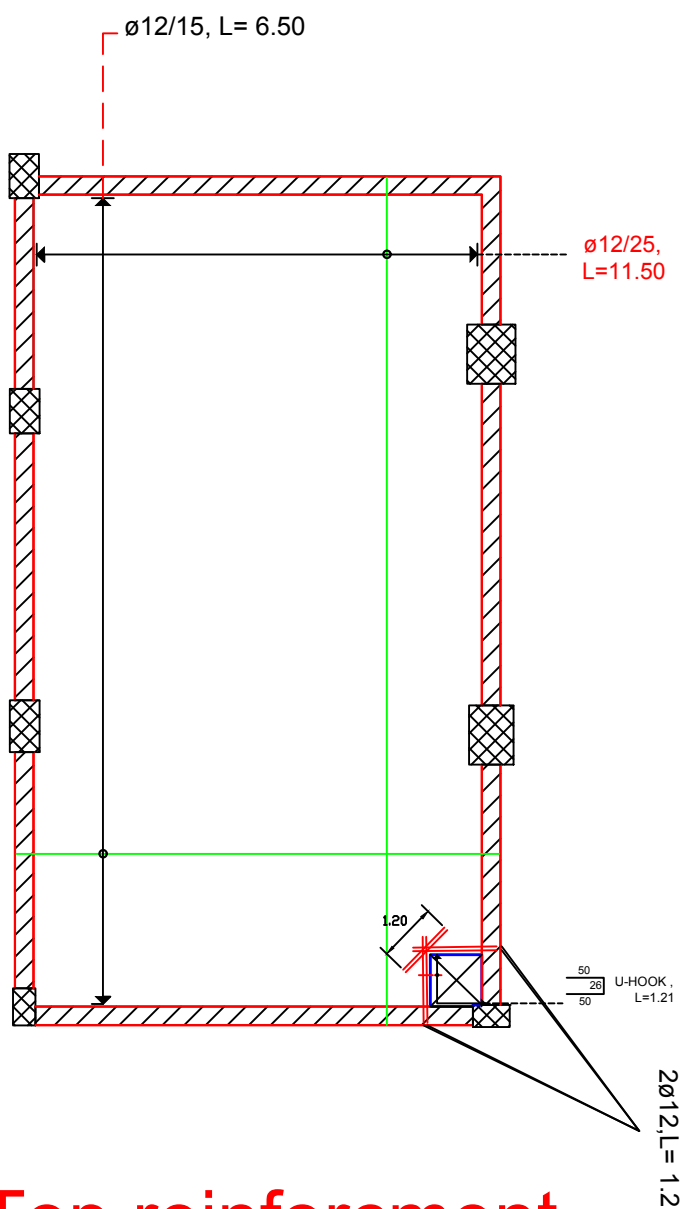


Water Tank Slab



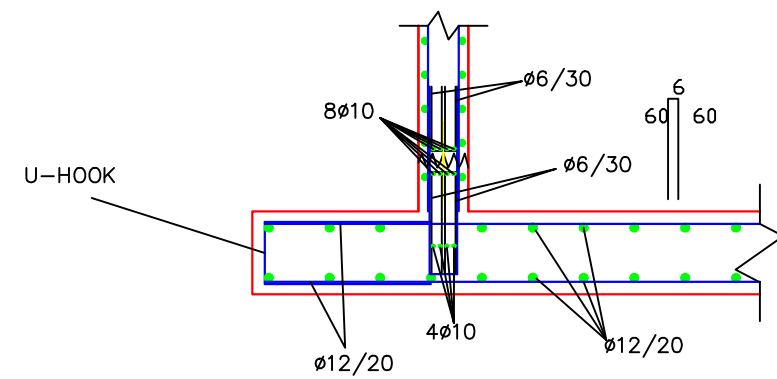
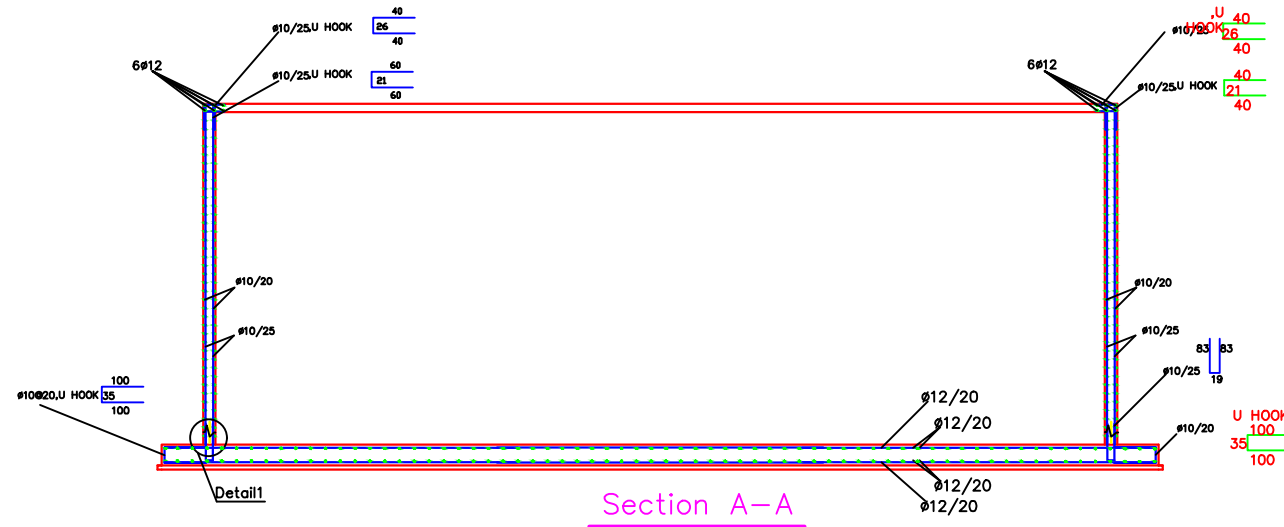
Bottom reinforcement

Water Tank Slab



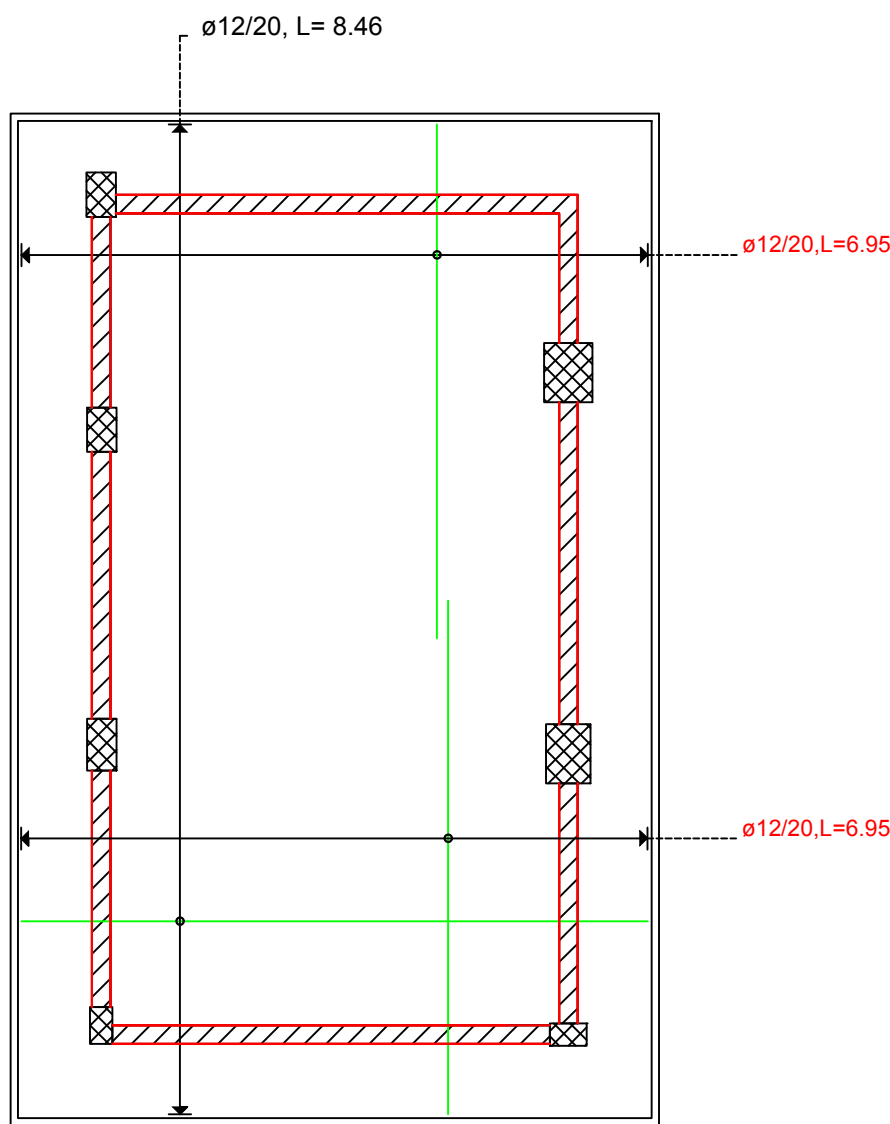
Top reinforcement

Water Tank Detailing



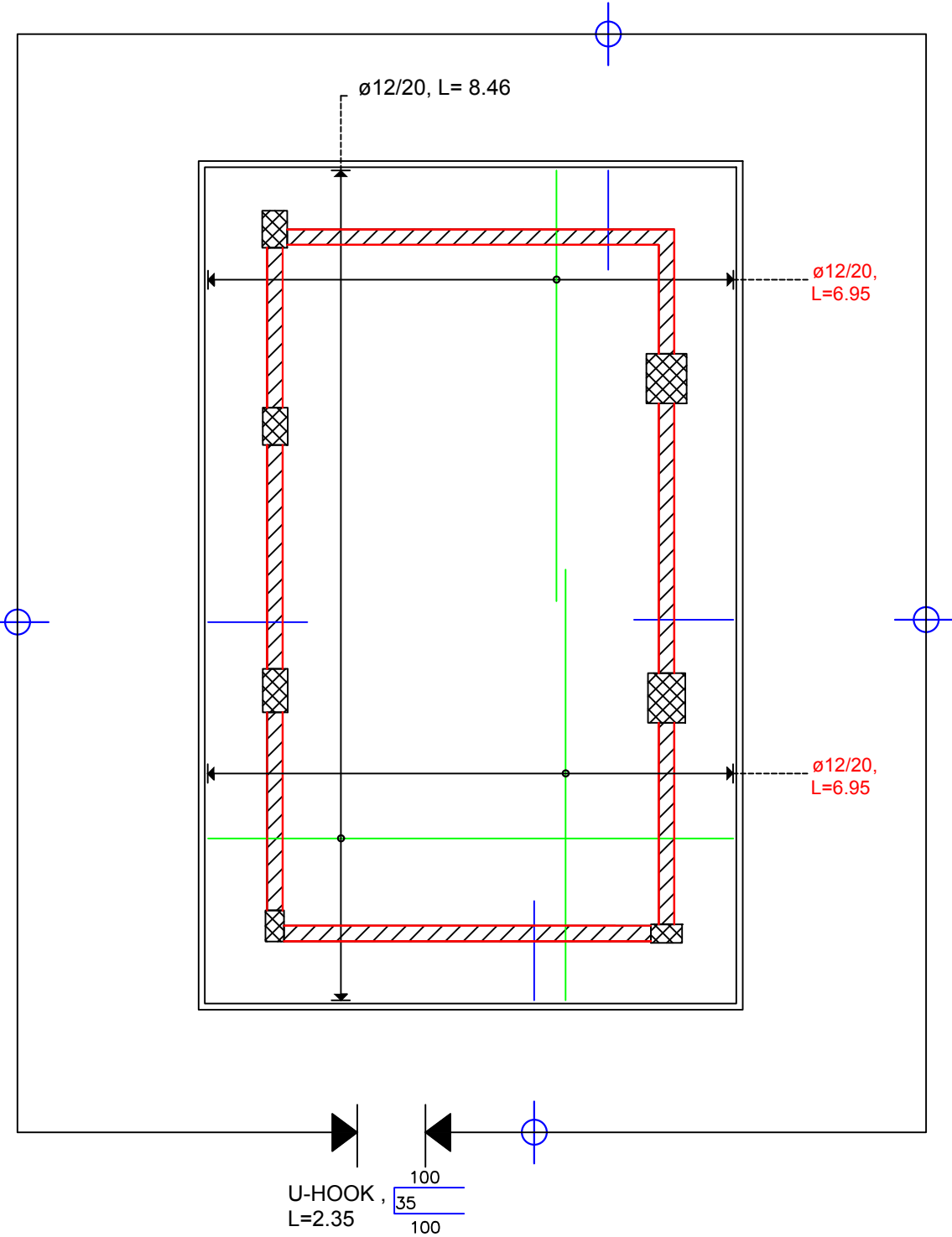
Detail1
Scale 1: 50

Water Tank Footing

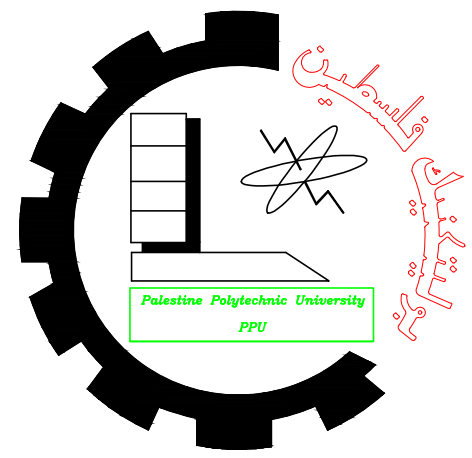


Bottom reinforcement

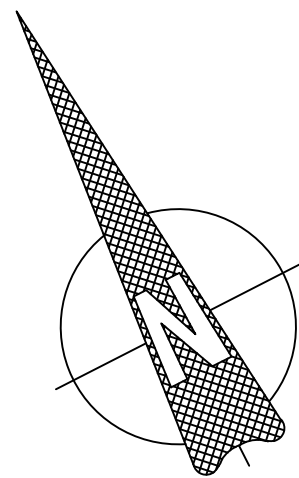
Water Tank Footing



Top reinforcement



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civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

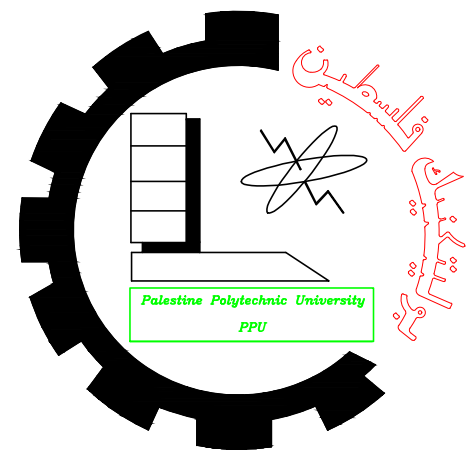
Columns Sec

Scale:
(1:150)

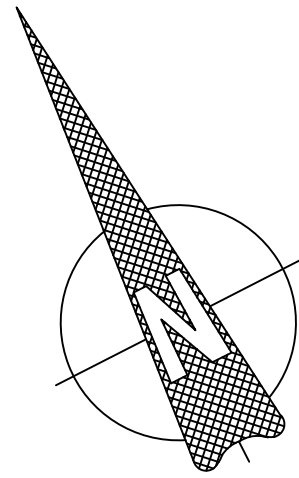
No :
S07

| Floor | Columns Design Sections | | | | |
|----------------|-------------------------|--|--|--|--|
| Basement Floor | | | | | |
| Ground Floor | | | | | |
| Hidden Floor | | | | | |
| First Floor | | | | | |
| Second Floor | | | | | |
| Third Floor | | | | | |
| Fourth Floor | | | | | |
| Fifth Floor | | | | | |
| Roof Floor | | | | | |

| Floor | Columns Design Sections | | | | |
|----------------|-------------------------|--|--|--|--|
| Basement Floor | | | | | |
| Ground Floor | | | | | |
| Hidden Floor | | | | | |
| First Floor | | | | | |
| Second Floor | | | | | |
| Third Floor | | | | | |
| Fourth Floor | | | | | |
| Fifth Floor | | | | | |
| Roof Floor | | | | | |



Palestine Polytechnic University
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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

Columns Sec

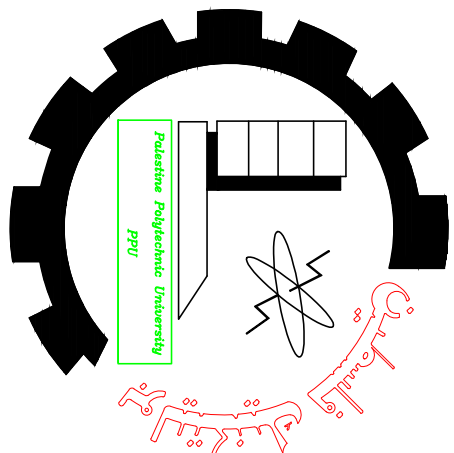
Scale:
(1:150)

No :
S08

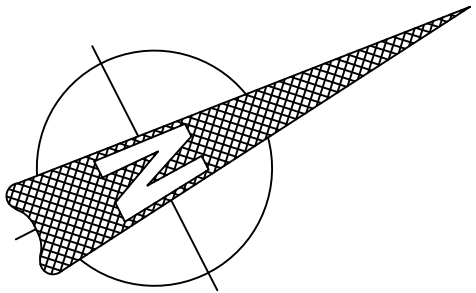
| Floor | Columns Design Sections | | | | |
|----------------|--|--|---|---|---|
| Basement Floor | <div>Detailing Of Columns Group (9 R)</div> <div>(175, 148, 173, 165, 172, 172, 201, 166, 168, 170, 153, 158, 131, 211, 140, 176, 178, 167, 218, 209, 217, 146, 159, 278, 319, 310, 318, 247, 260) 14Ø20 Group-9</div> | <div>Detailing Of Columns Group (8 C)</div> <div>(48, 20, 33) 14Ø20 Group-8</div> | <div>Detailing Of Columns Group (8 R)</div> <div>(177, 218, 209, 217, 146, 159, 278, 319, 310, 318, 247, 260) 10Ø20 Group-8</div> | <div>Detailing Of Columns Group (7 C)</div> <div>(45, 92) 14Ø20 Group-7</div> | <div>Detailing Of Columns Group (7 R)</div> <div>(138, 160, 194, 239, 261, 295) 14Ø20 Group-7</div> |
| Ground Floor | | | | | |
| Hidden Floor | | | | | |
| First Floor | <div>Detailing Of Columns Group (2)</div> <div>(342, 374, 375, 334, 430, 459, 460, 420) 8Ø16 Group-2</div> | <div>Detailing Of Columns Group (1)</div> <div>(409, 412, 331, 399, 410, 400, 392, 413, 414, 411, 407, 383, 415, 391, 408, 417) 8Ø14 Group-1</div> | | | |
| Second Floor | | | | | |
| Third Floor | | | | | |

| Floor | Columns Design Sections | | | | |
|----------------|--|---|---|---|--|
| Basement Floor | <div>Detailing Of Columns Group (6 C)</div> <div>(C50) 13Ø20 Group-6</div> | <div>Detailing Of Columns Group (5 C)</div> <div>(93, 38, 57) 12Ø18 Group-5</div> | <div>Detailing Of Columns Group (5 R)</div> <div>(195, 174, 183, 169, 203, 202, 296, 275, 284, 270, 304, 303) 12Ø18 Group-5</div> | <div>Detailing Of Columns Group (4 C)</div> <div>(23, 87, 68, 96, 88) 14Ø16 Group-4</div> | <div>Detailing Of Columns Group (4 R)</div> <div>(149, 188, 184, 185, 136, 139, 250, 289, 285, 236, 237, 240, 290) 12Ø16 Group-4</div> |
| Ground Floor | | | | | |
| Hidden Floor | | | | | |

| Floor | Columns Design Sections | | | |
|----------------|---|--|--|--|
| Basement Floor | <div>Detailing Of Columns Group (3 C)</div> <div>(175, 176, 177, 178, 166, 170, 171, 169, 173, 174, 168, 177, 178, 190, 81) 10Ø16 Group-3</div> | <div>Detailing Of Columns Group (3 R)</div> <div>(144, 223, 226, 129, 213, 224, 206, 135, 227, 186, 228, 132, 245, 324, 327, 230, 314, 315, 325, 307, 236, 328, 287, 329, 233) 10Ø16 Group-3</div> | <div>Detailing Of Columns Group (2 R)</div> <div>(177, 218, 209, 217, 146, 159, 278, 319, 310, 318, 247, 260) 8Ø16 Group-2</div> | <div>Detailing Of Columns Group (1 R)</div> <div>(45, 92) 8Ø14 Group-1</div> |
| Ground Floor | | | | |
| Hidden Floor | | | | |



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| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

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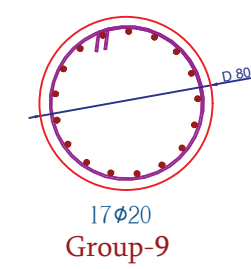
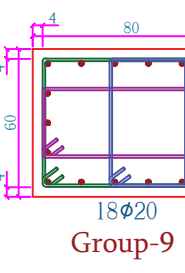
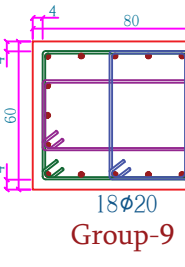
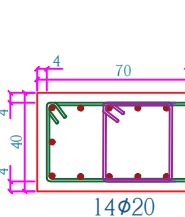
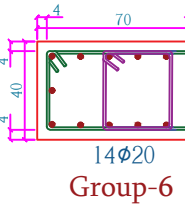
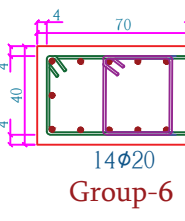
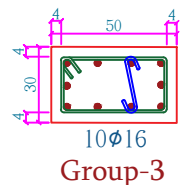
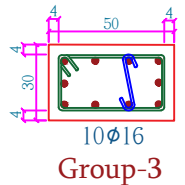
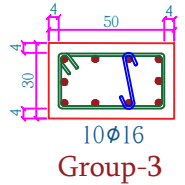
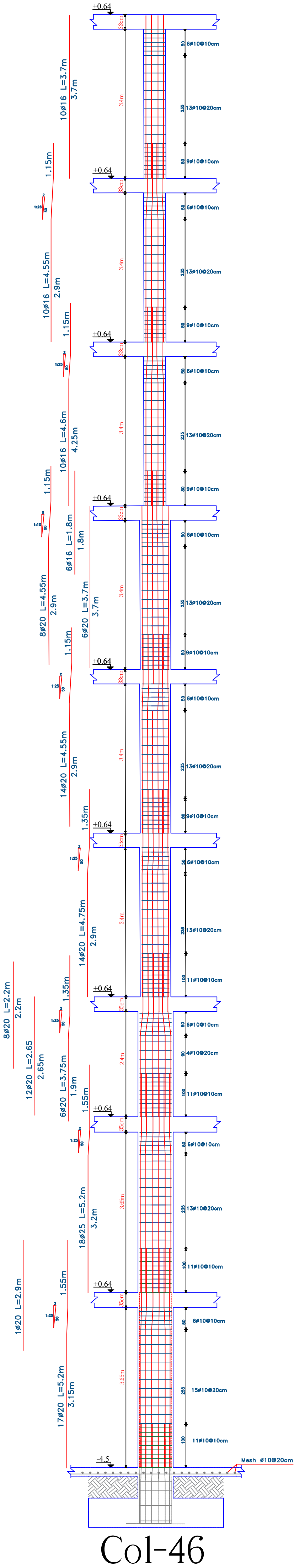
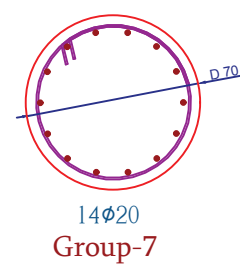
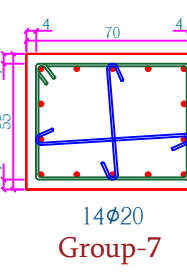
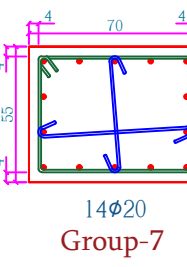
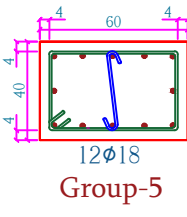
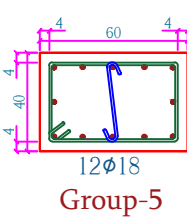
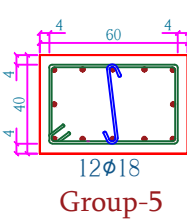
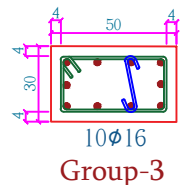
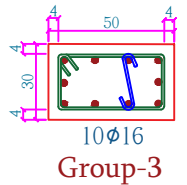
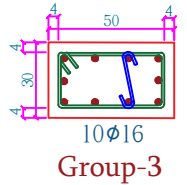
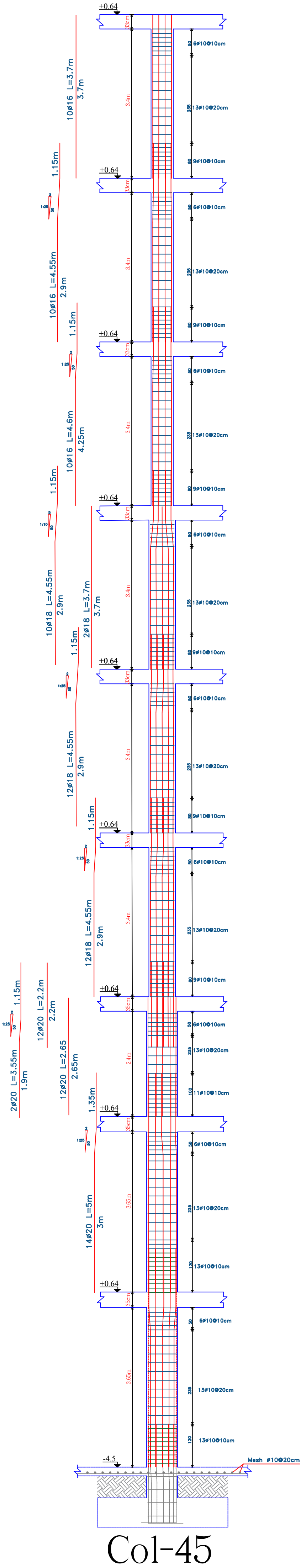
Supervisors :
Eng. Hamdi Idaes

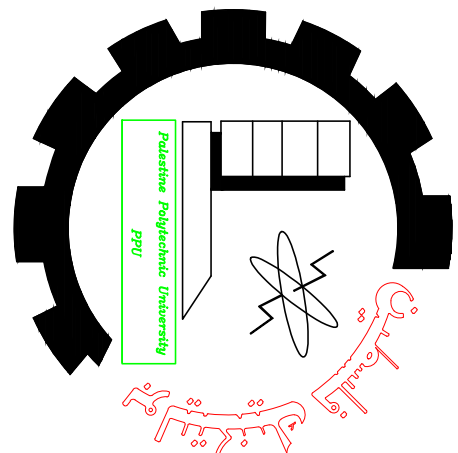
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Tounar

Drawing Contains:
Columns Elevations

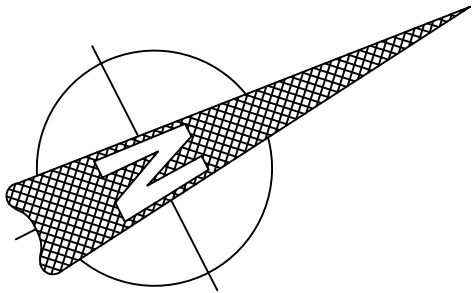
Scale:
(1:125)

No :
S09





Palestine Polytechnic University
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Civil Engineering



Surface Area

Slab Thickness

-

- cm

PPU

Graduation Project

Supervisors :

Eng. Hamdi Idaes

Done by :

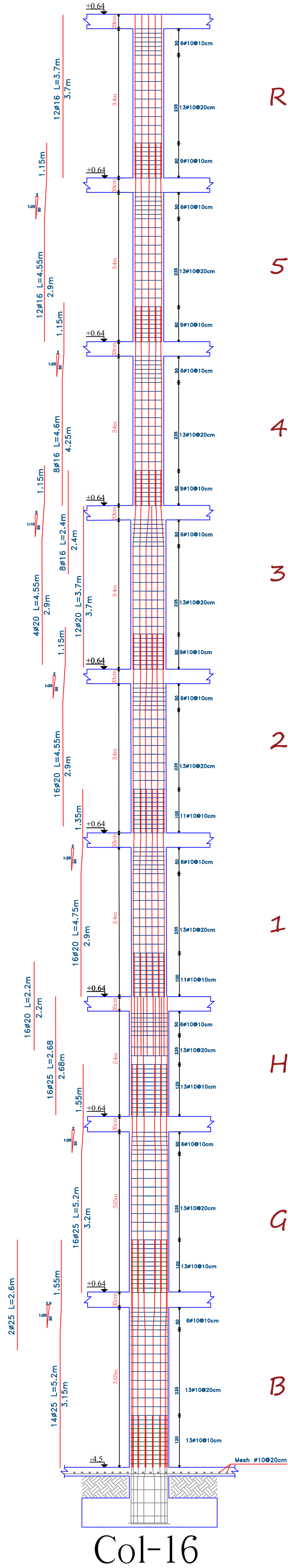
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Tounmar

Drawing Contains:

Columns Elevations

Scale:
(1:125)

No :
S10



RF
Group-4

5F
Group-4

4F
Group-4

3F
Group-8

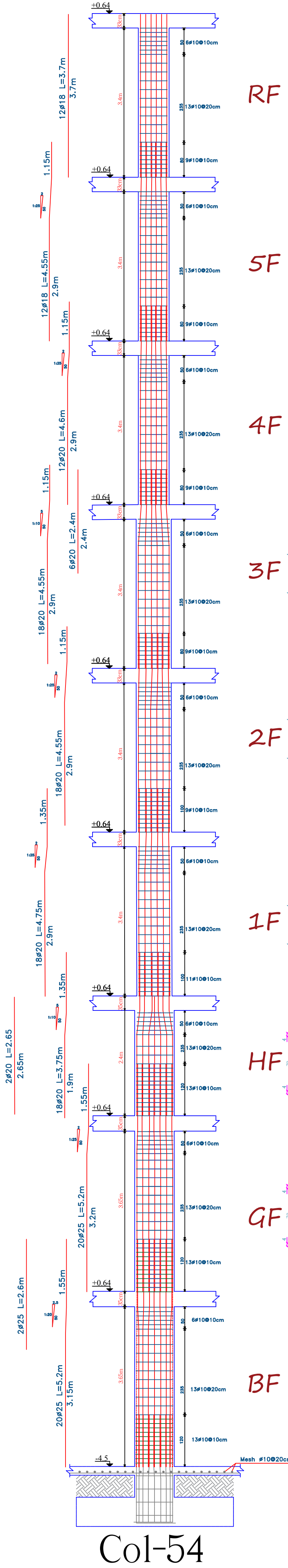
2F
Group-8

1F
Group-8

HF
Group-12

GF
Group-12

BF
Group-12



RF
Group-5

5F
Group-5

4F
Group-5

3F
Group-10

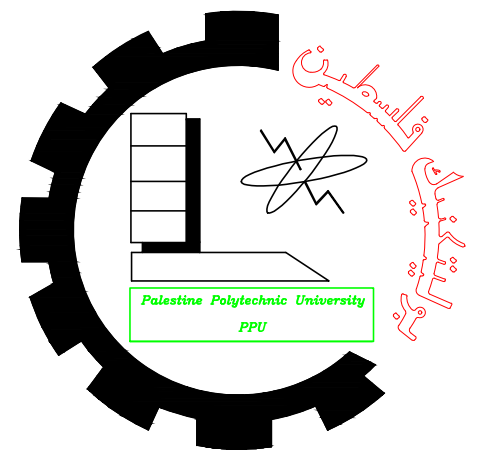
2F
Group-10

1F
Group-10

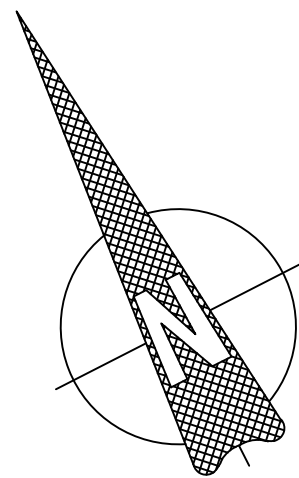
HF
Group-14

GF
Group-14

BF
Group-14



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civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

Supervisors :

Eng.Hamdi Idaes

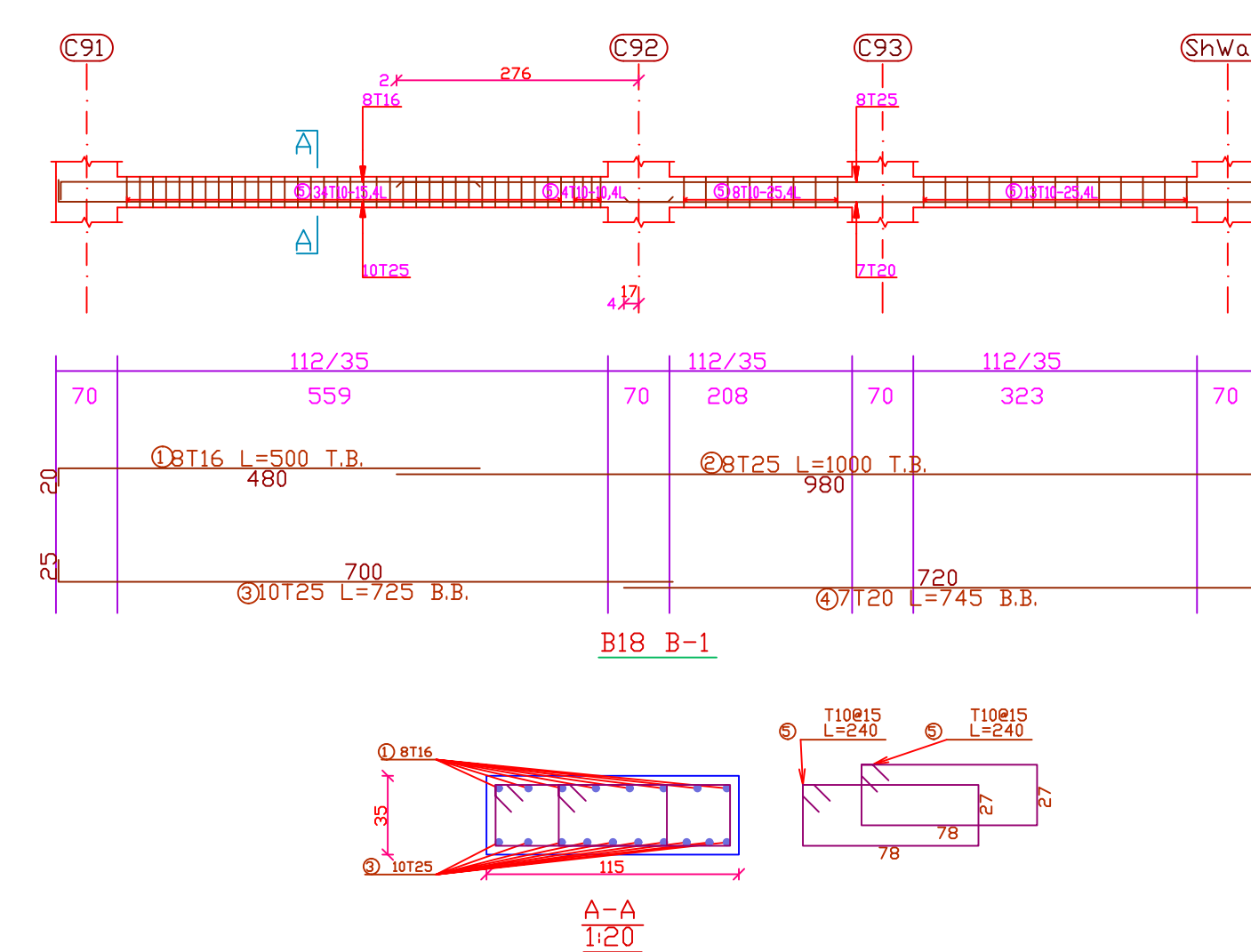
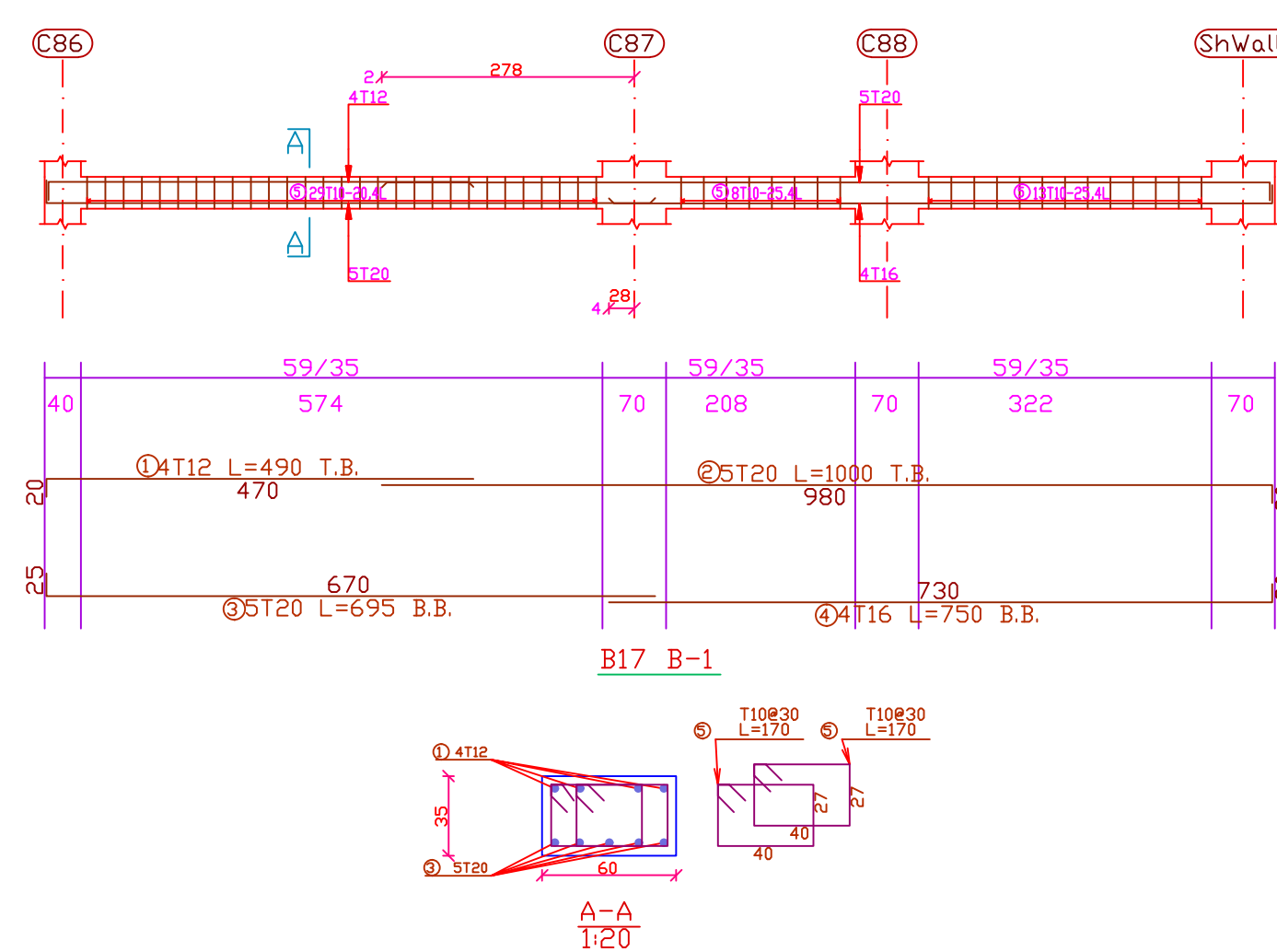
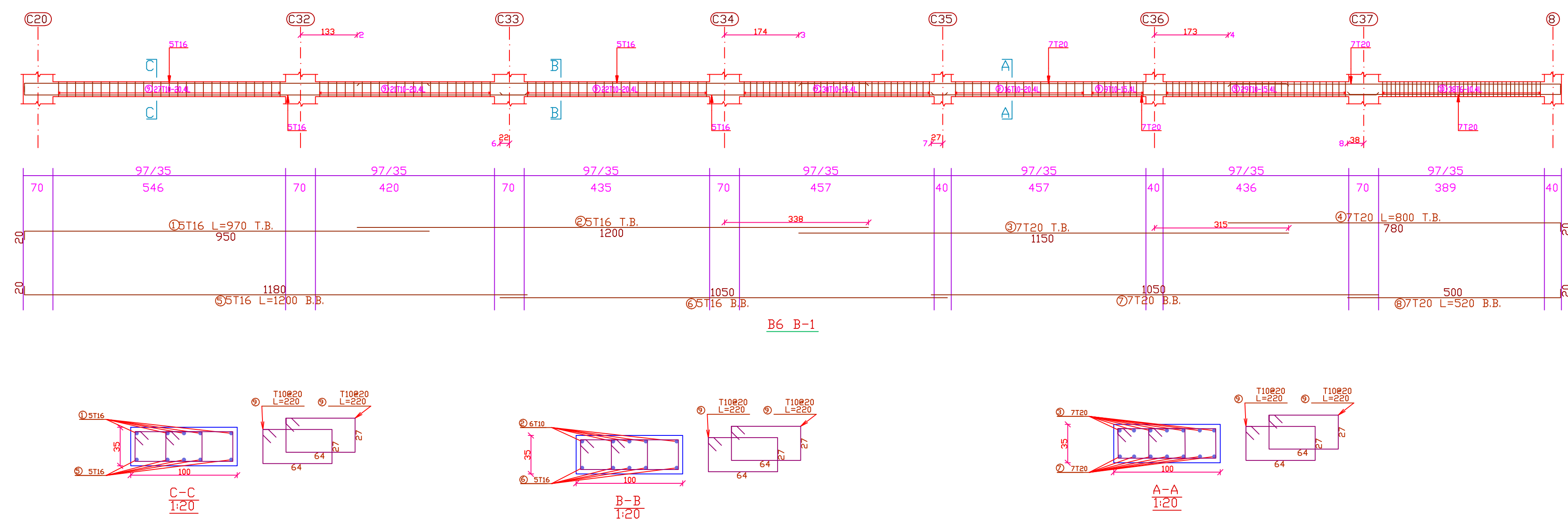
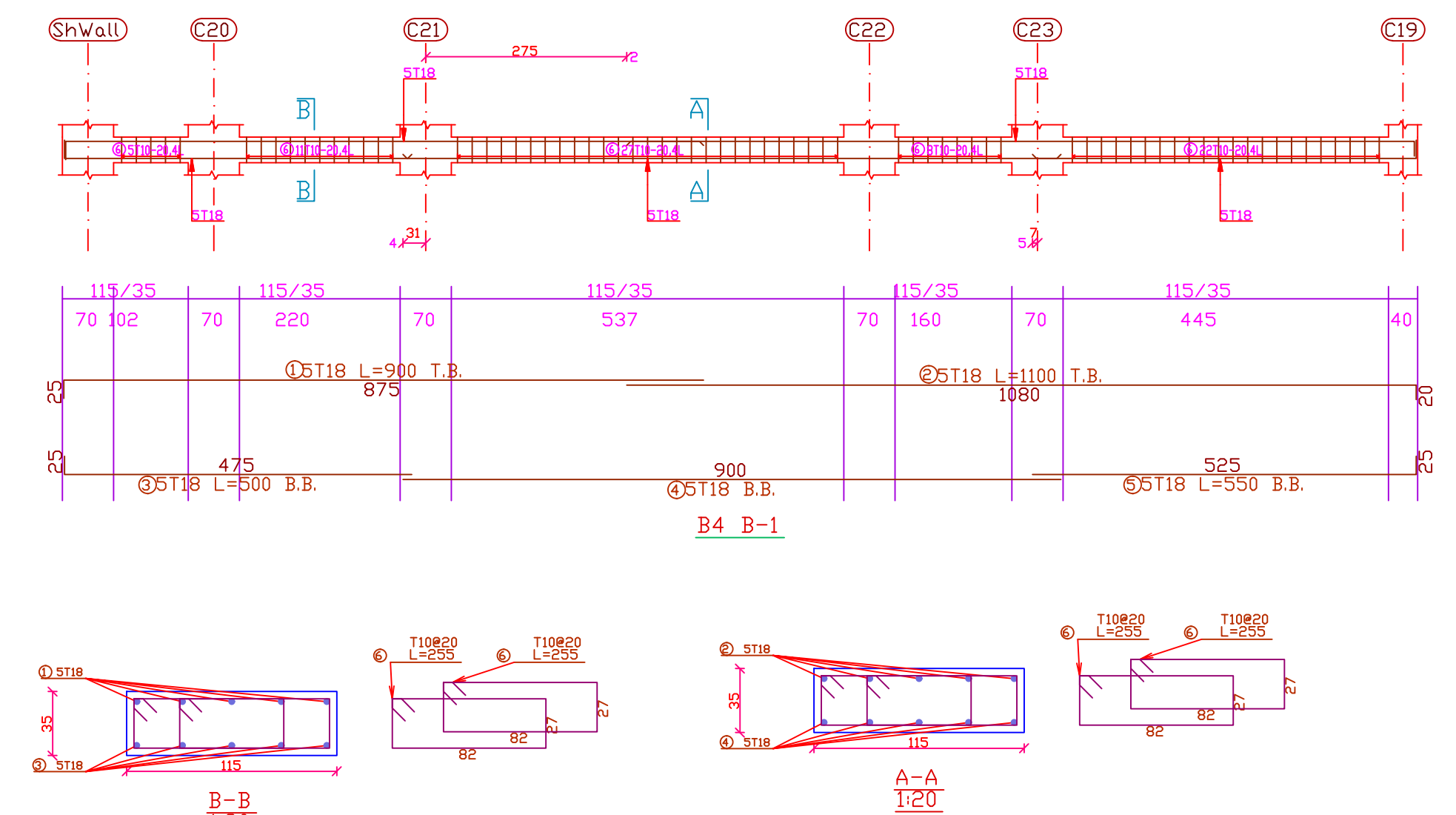
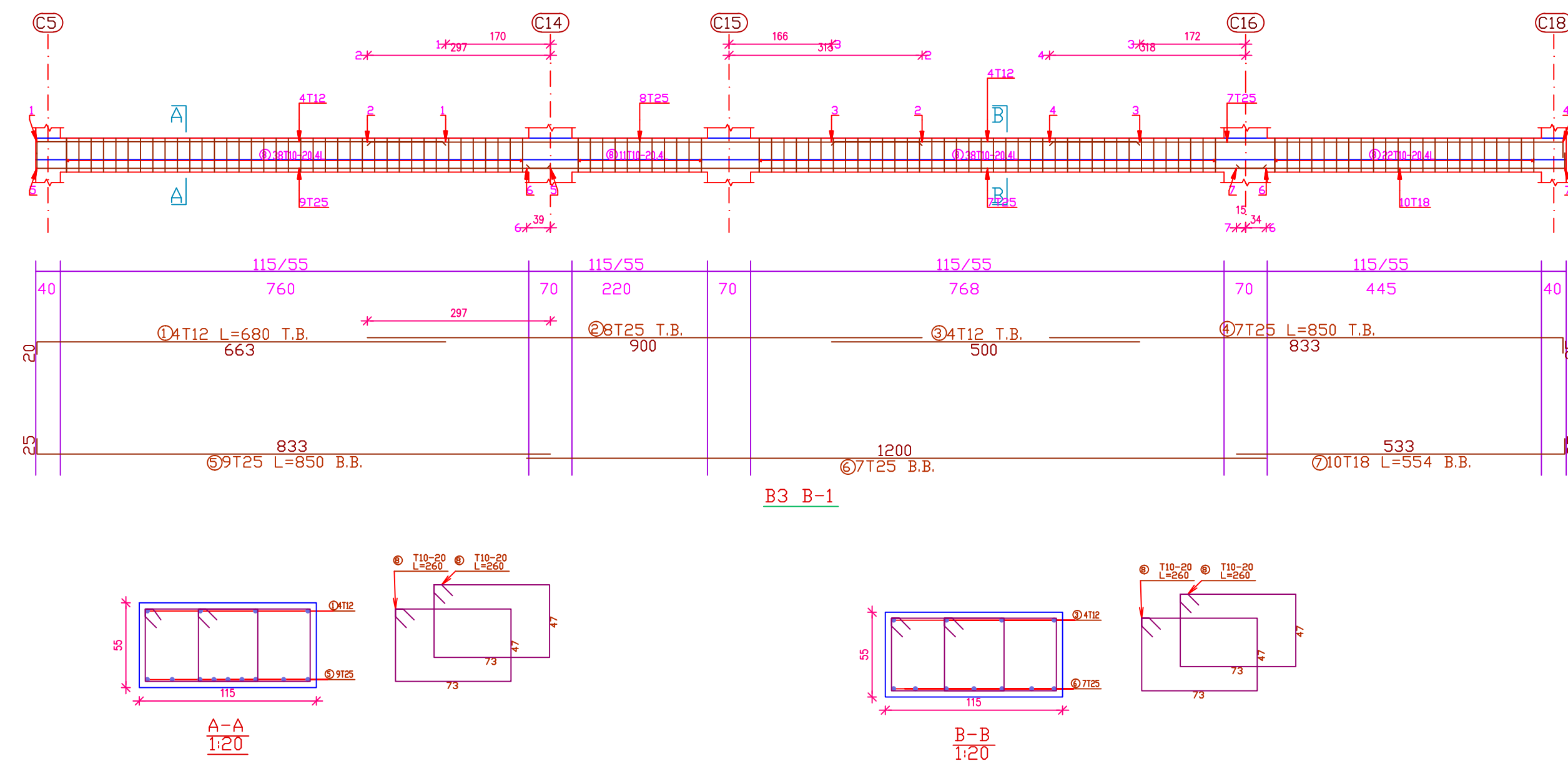
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

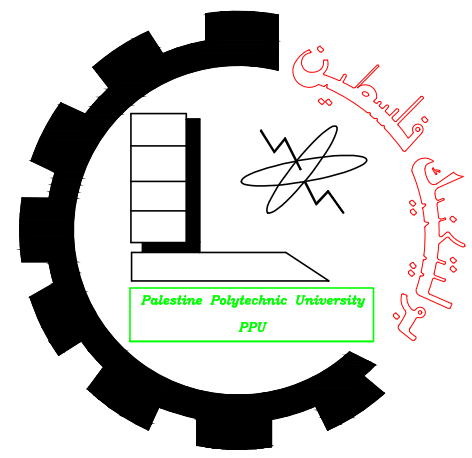
Drawing Contains:

BF Beams

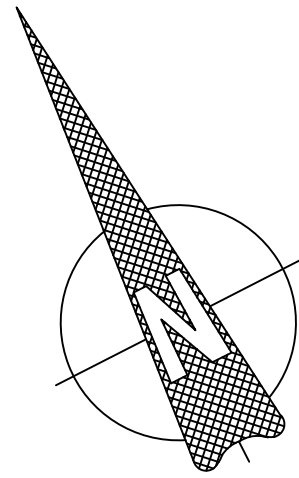
Scale:
(1:150)

No :
S11





Palestine Polytechnic University
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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

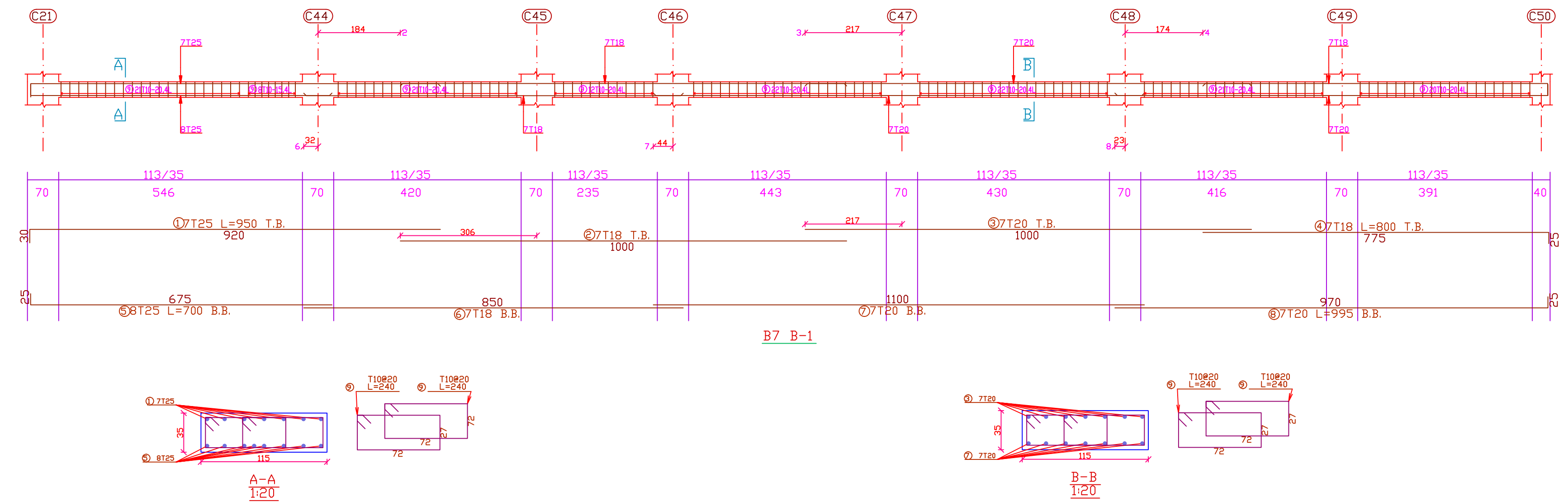
Supervisors :
Eng.Hamdi Idaes

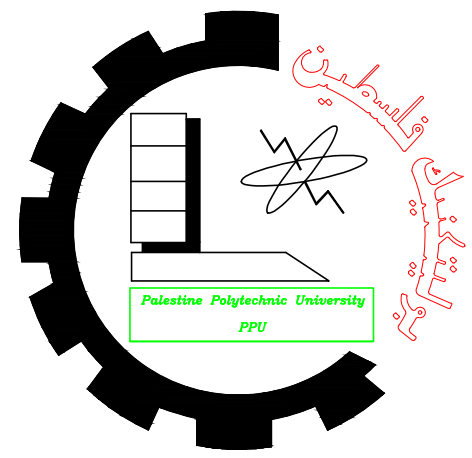
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

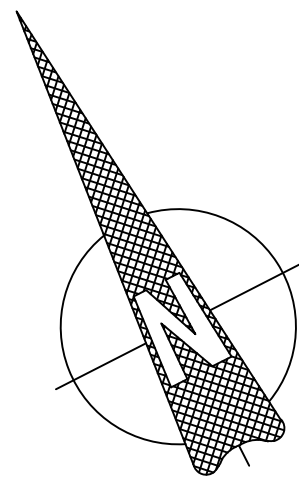
BF Beams

| | |
|---------------------|-------------|
| Scale: (1:150) | No : S12 |
|---------------------|-------------|





Palestine Polytechnic University
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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

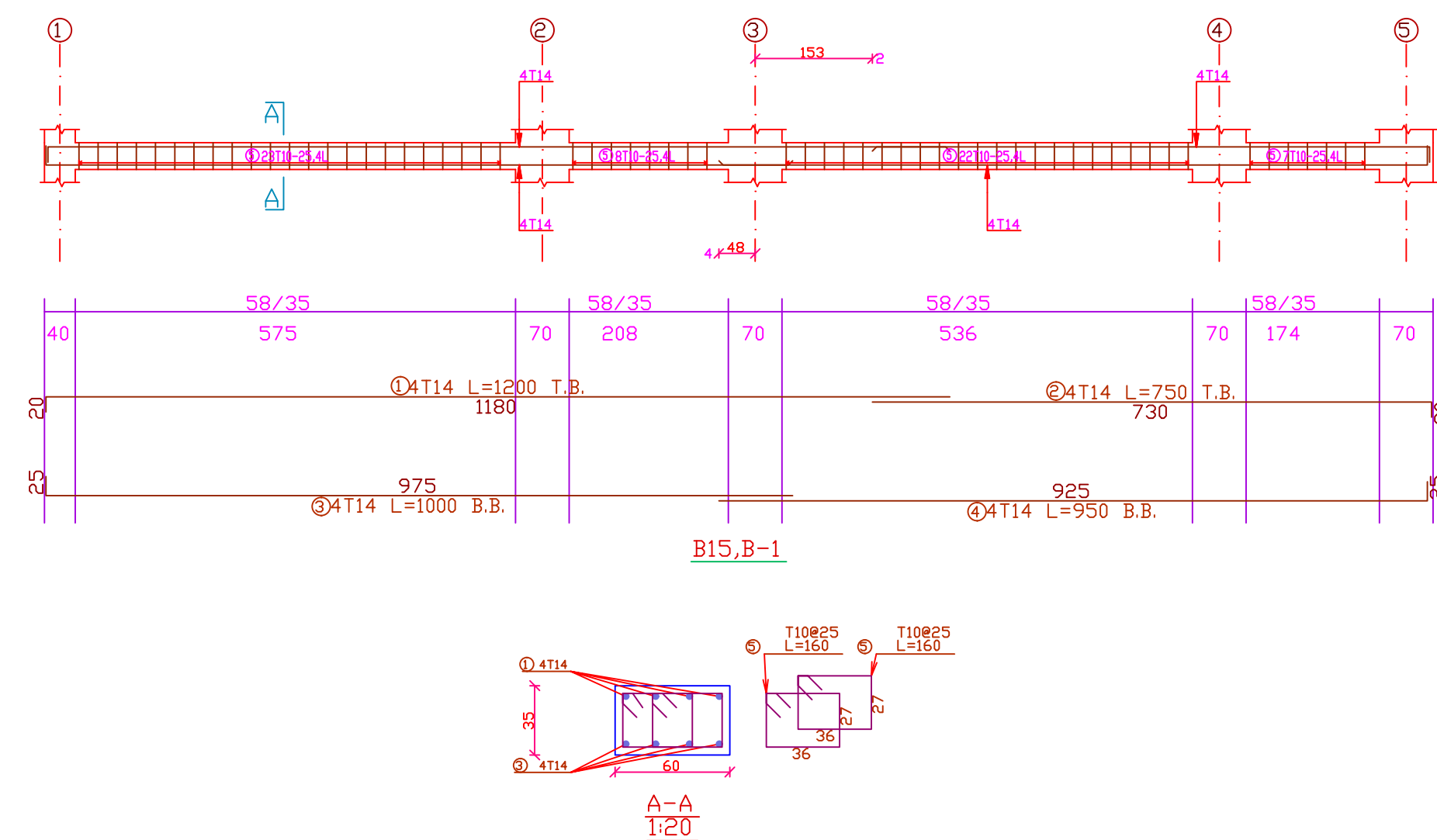
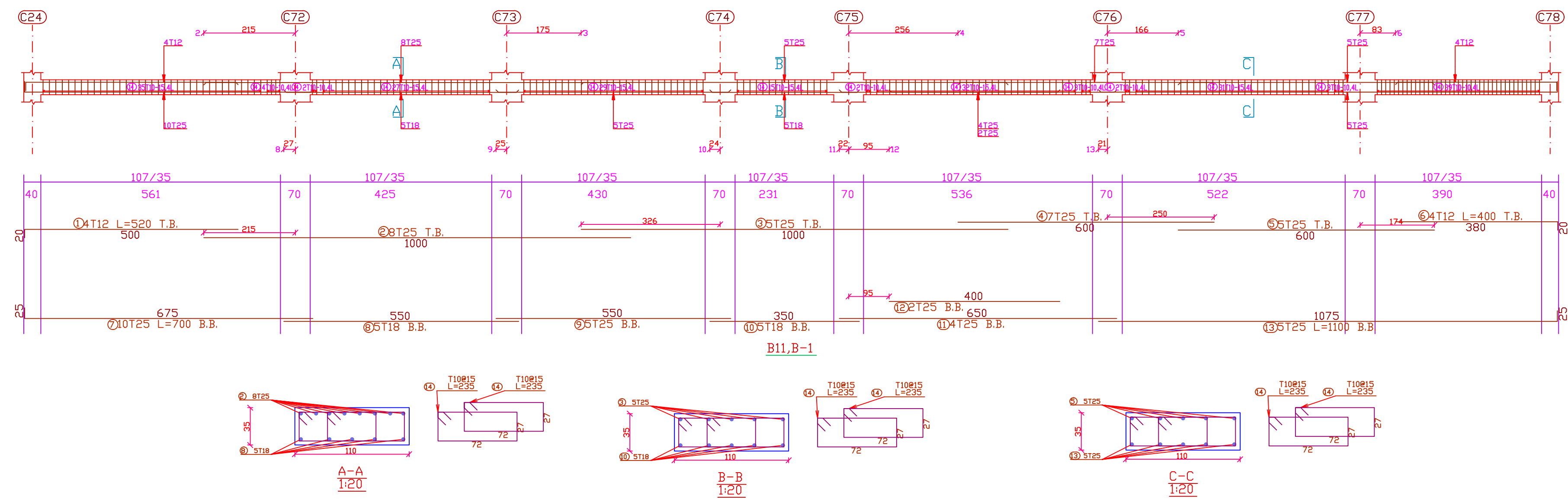
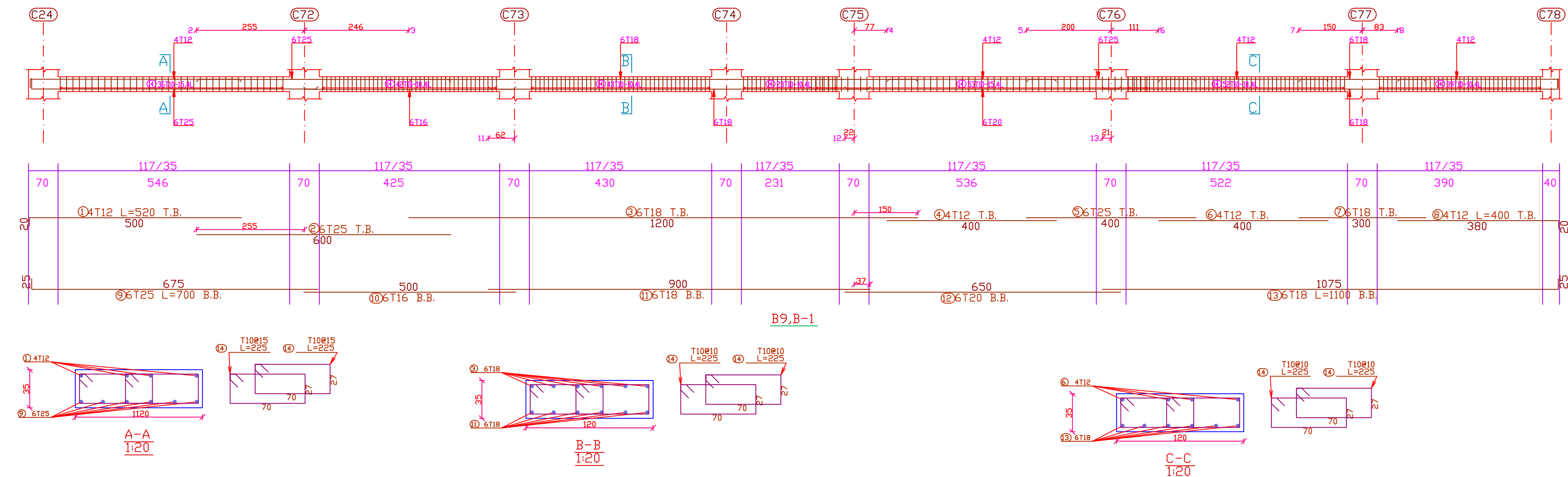
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

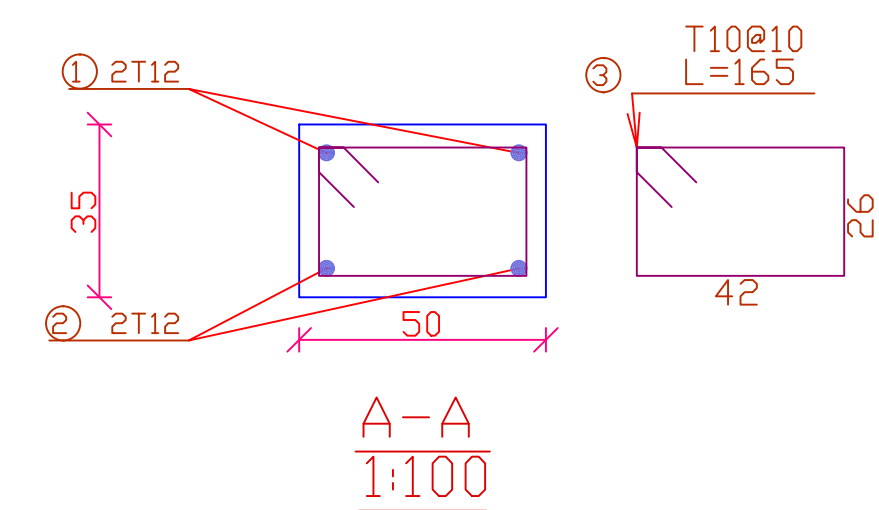
Drawing Contains:
BF Beams

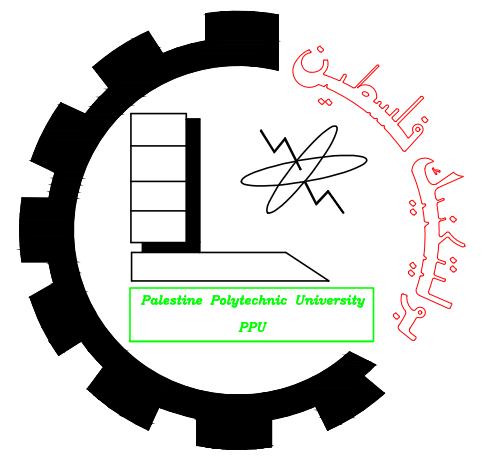
Scale:
(1:150)

No :
S13

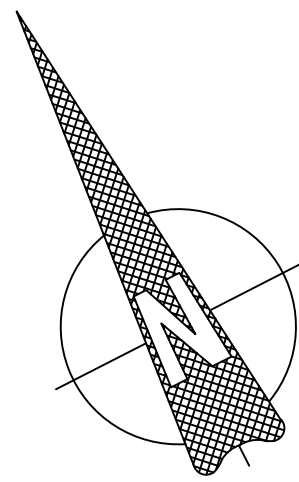


Beam 1 (B-1) Sec





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| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

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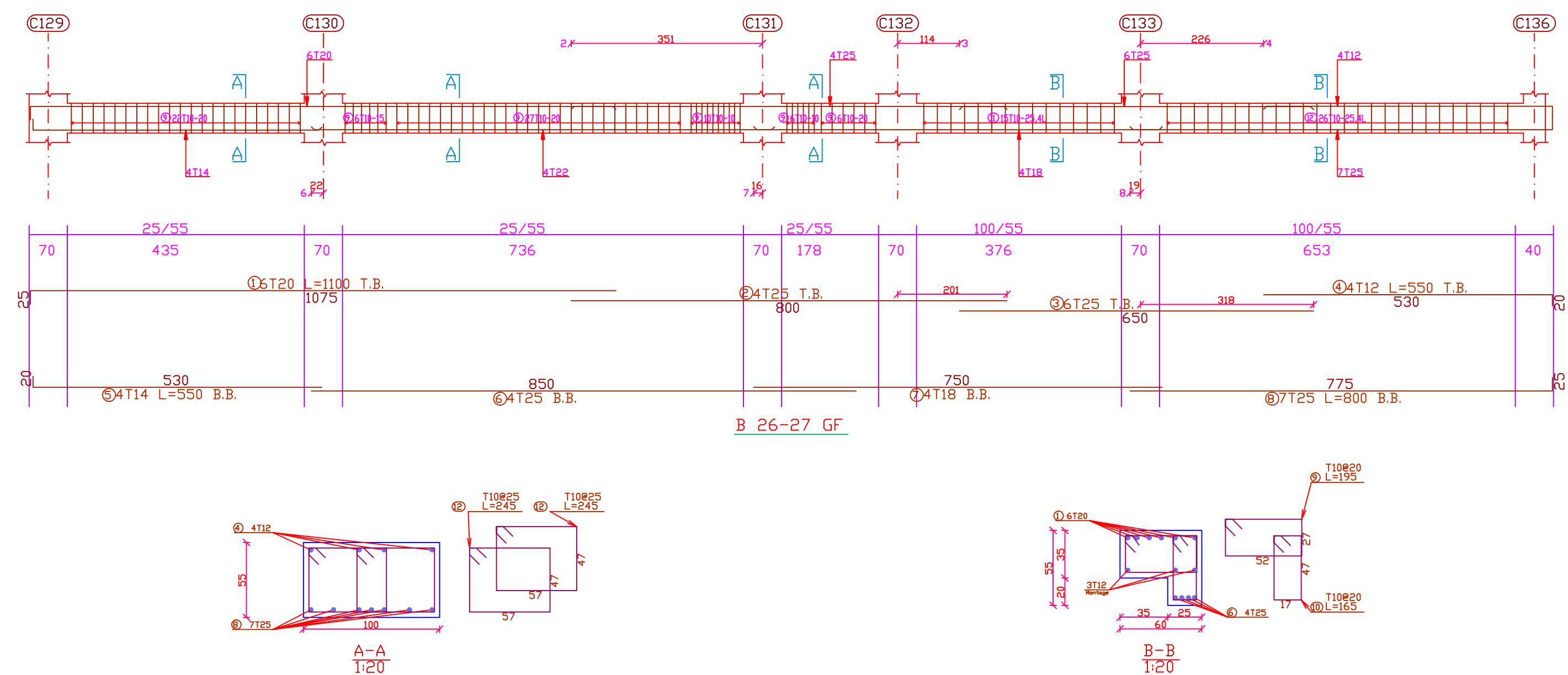
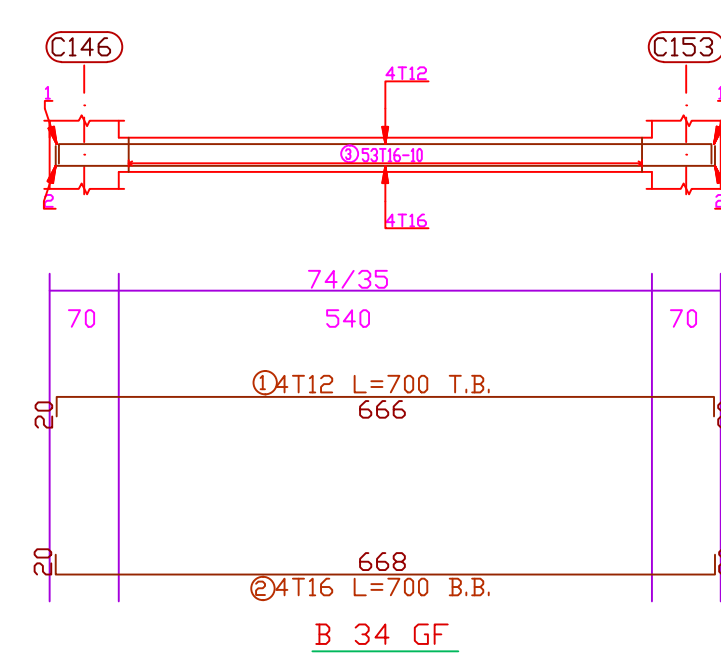
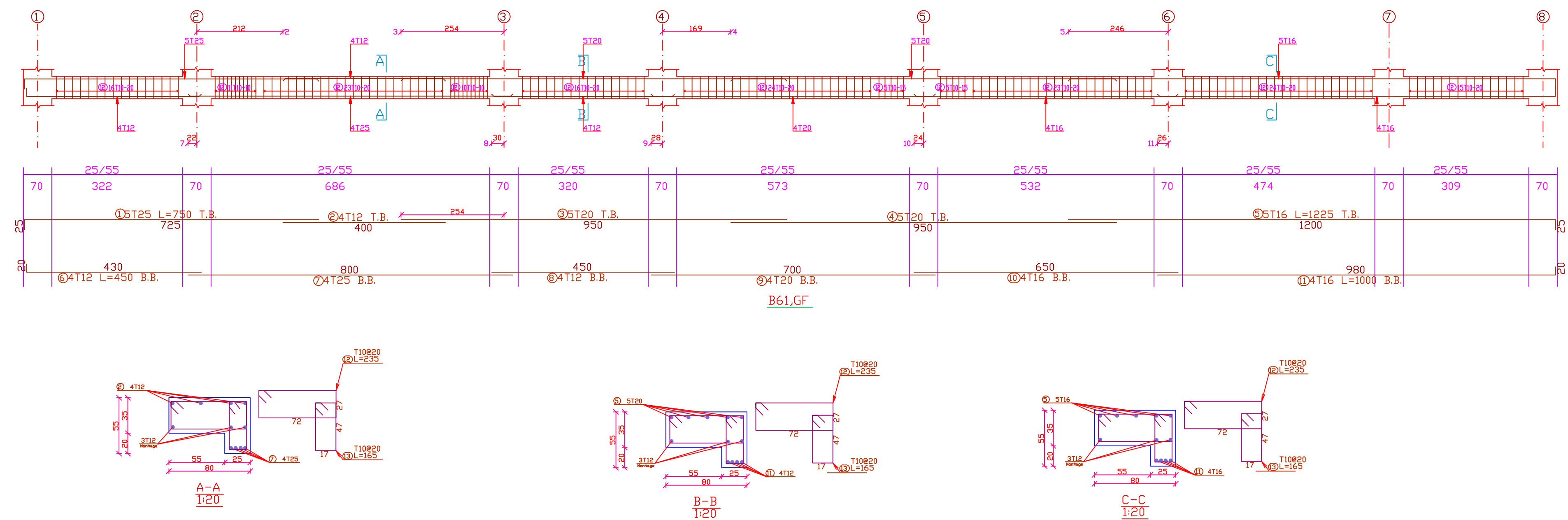
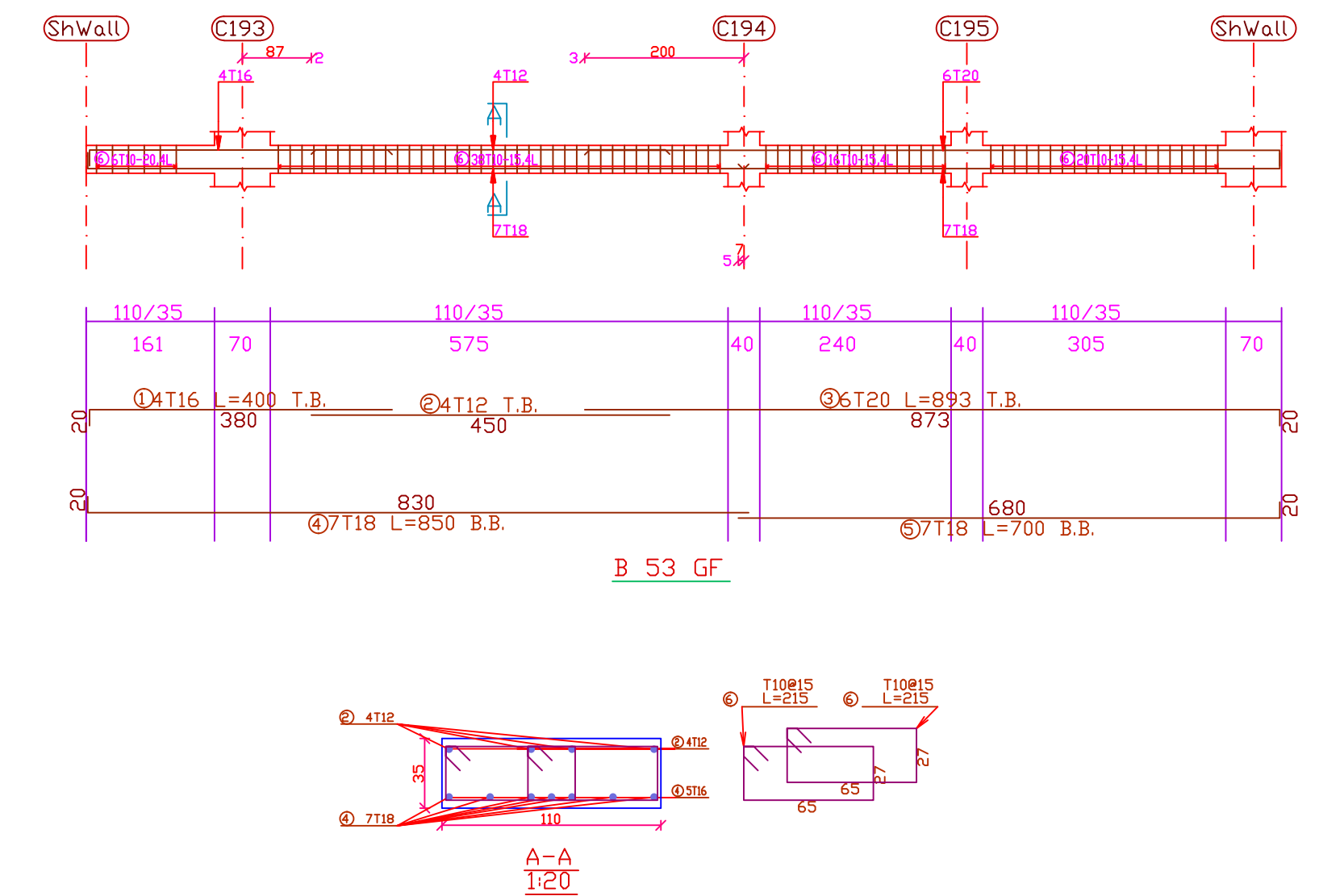
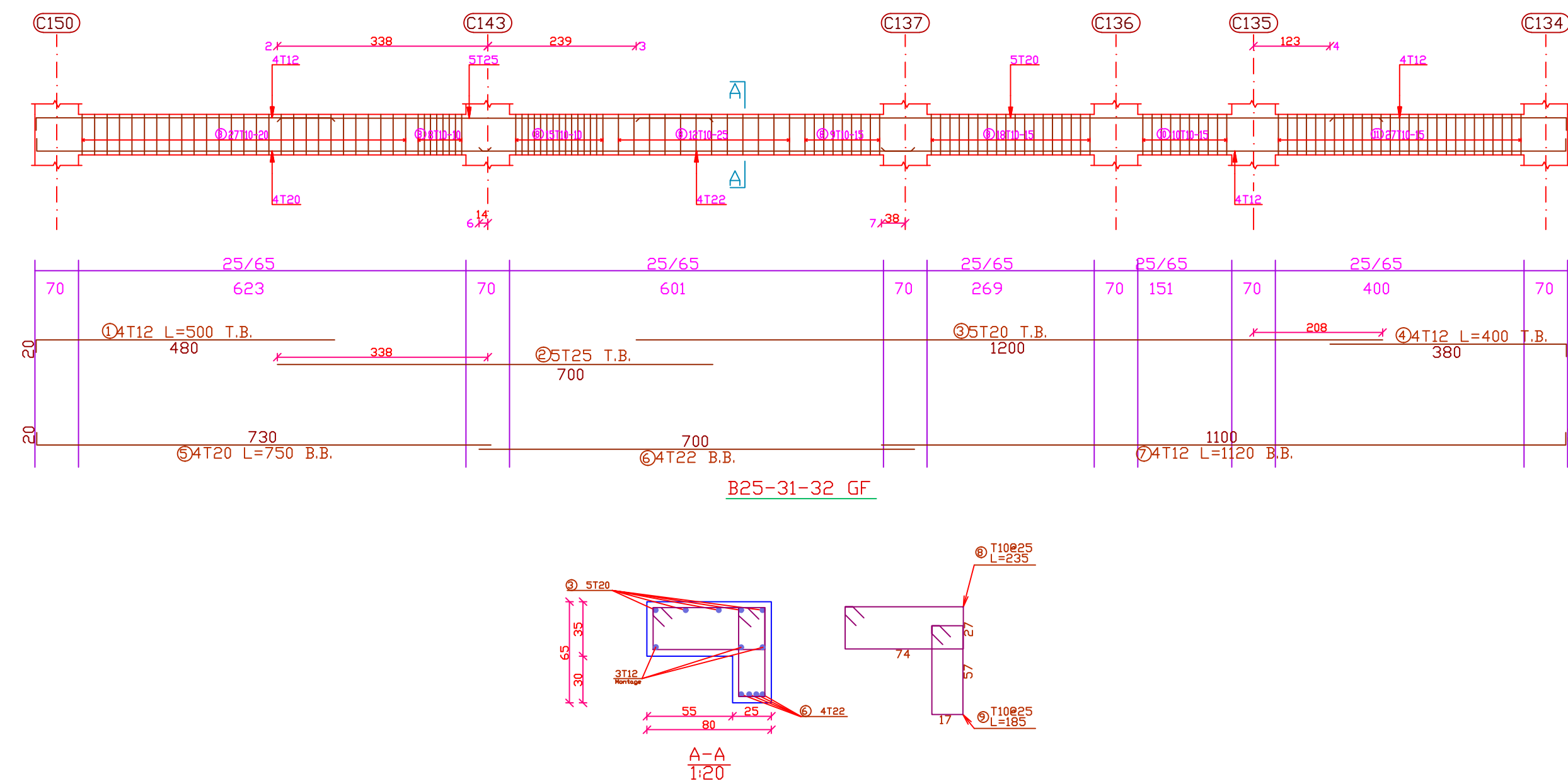
Supervisors :
Eng.Hamdi Idaes

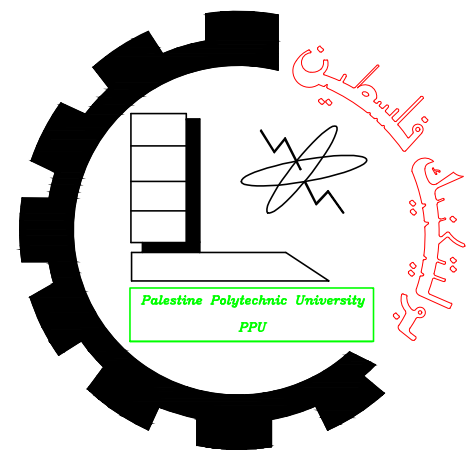
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
GF & HF Beams

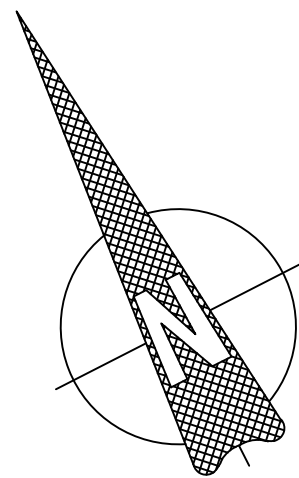
Scale:
(1:150)

No :
S14





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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

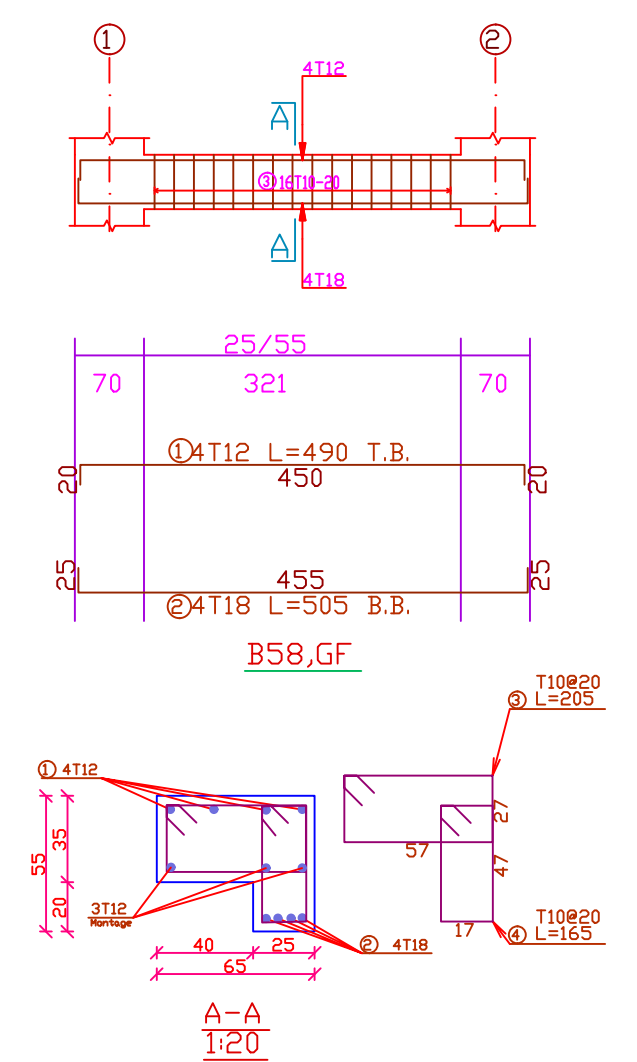
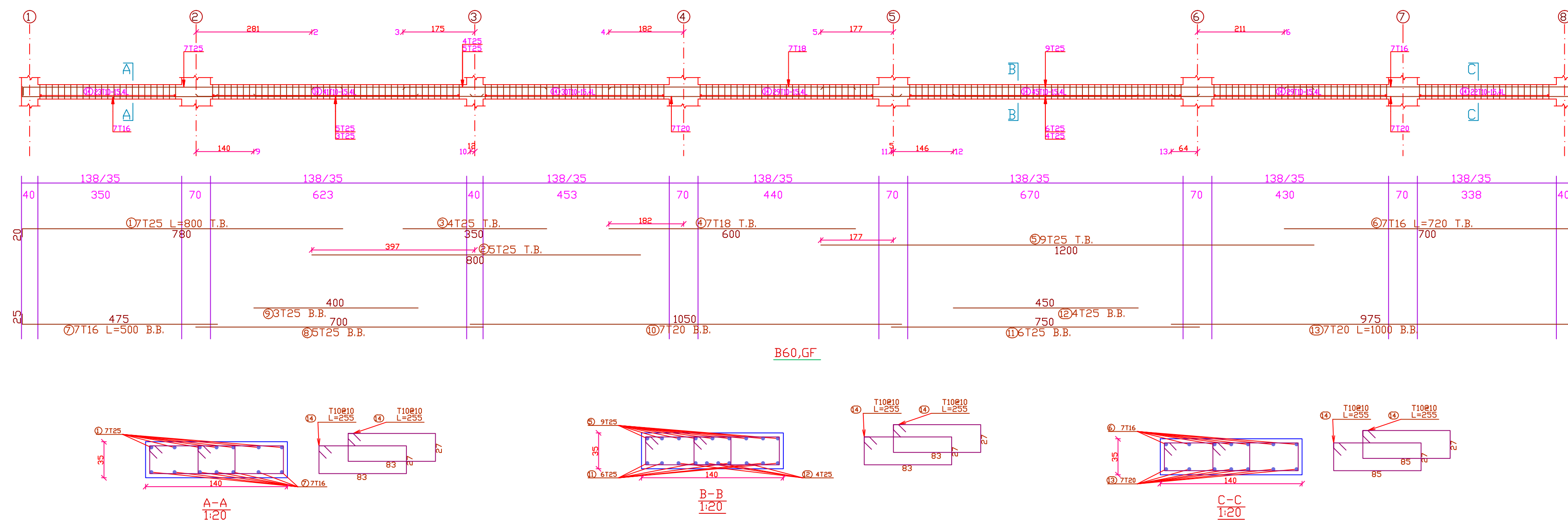
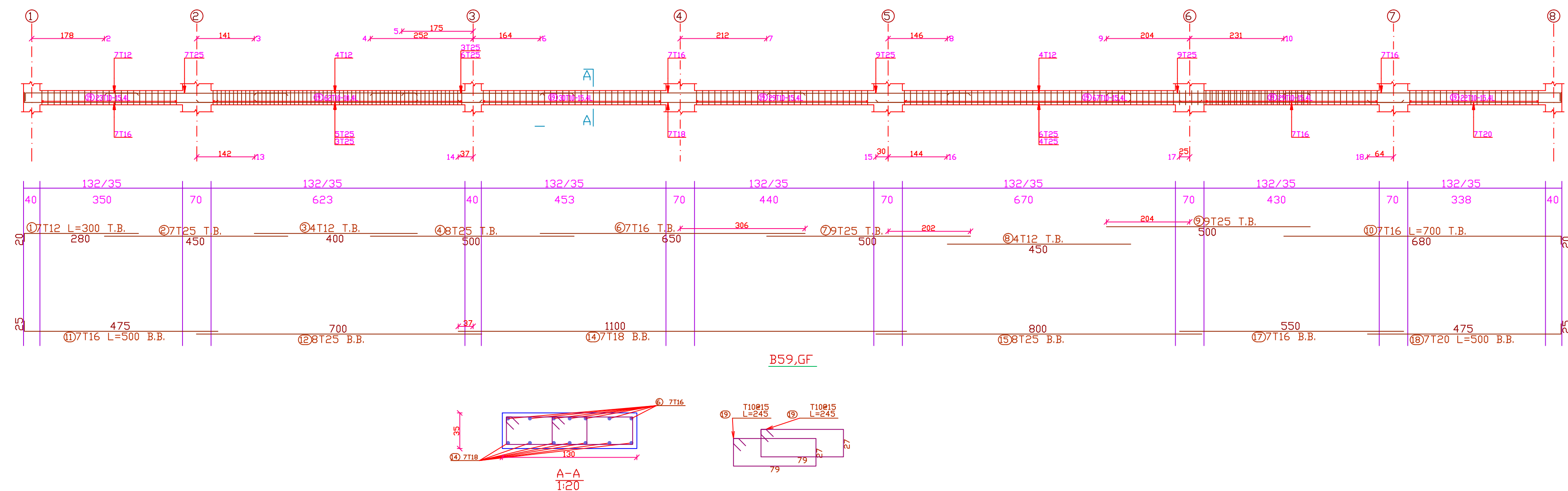
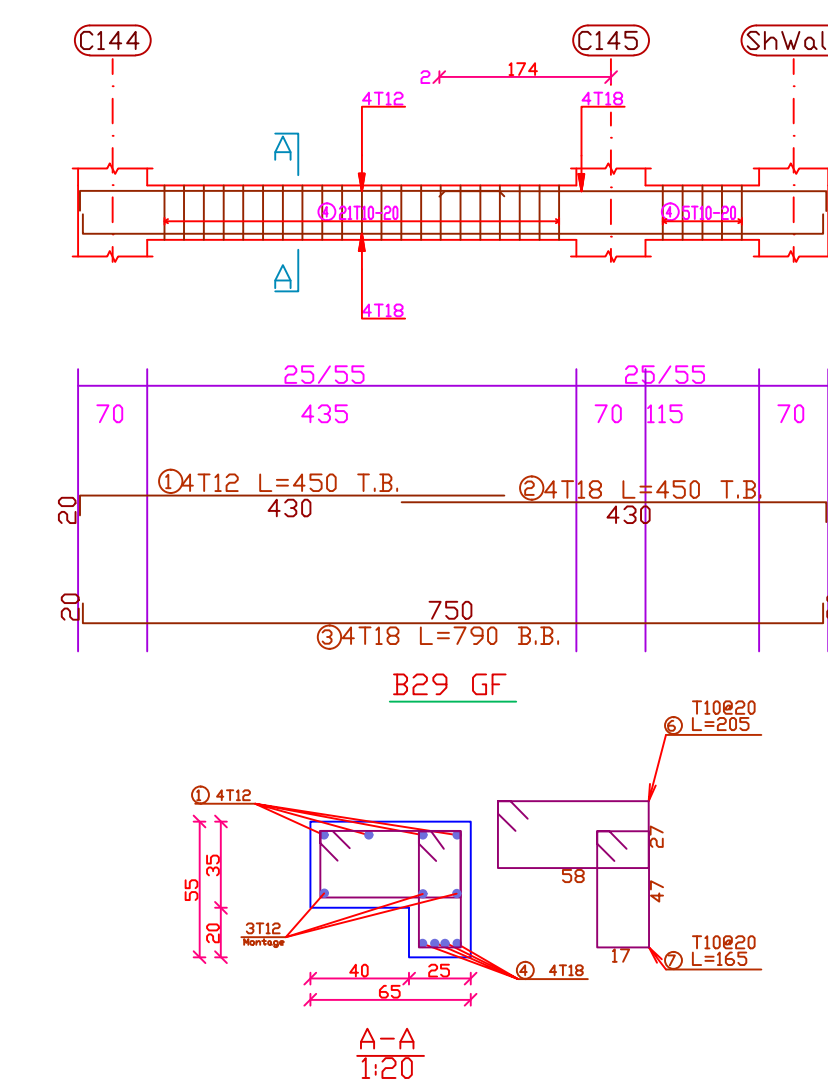
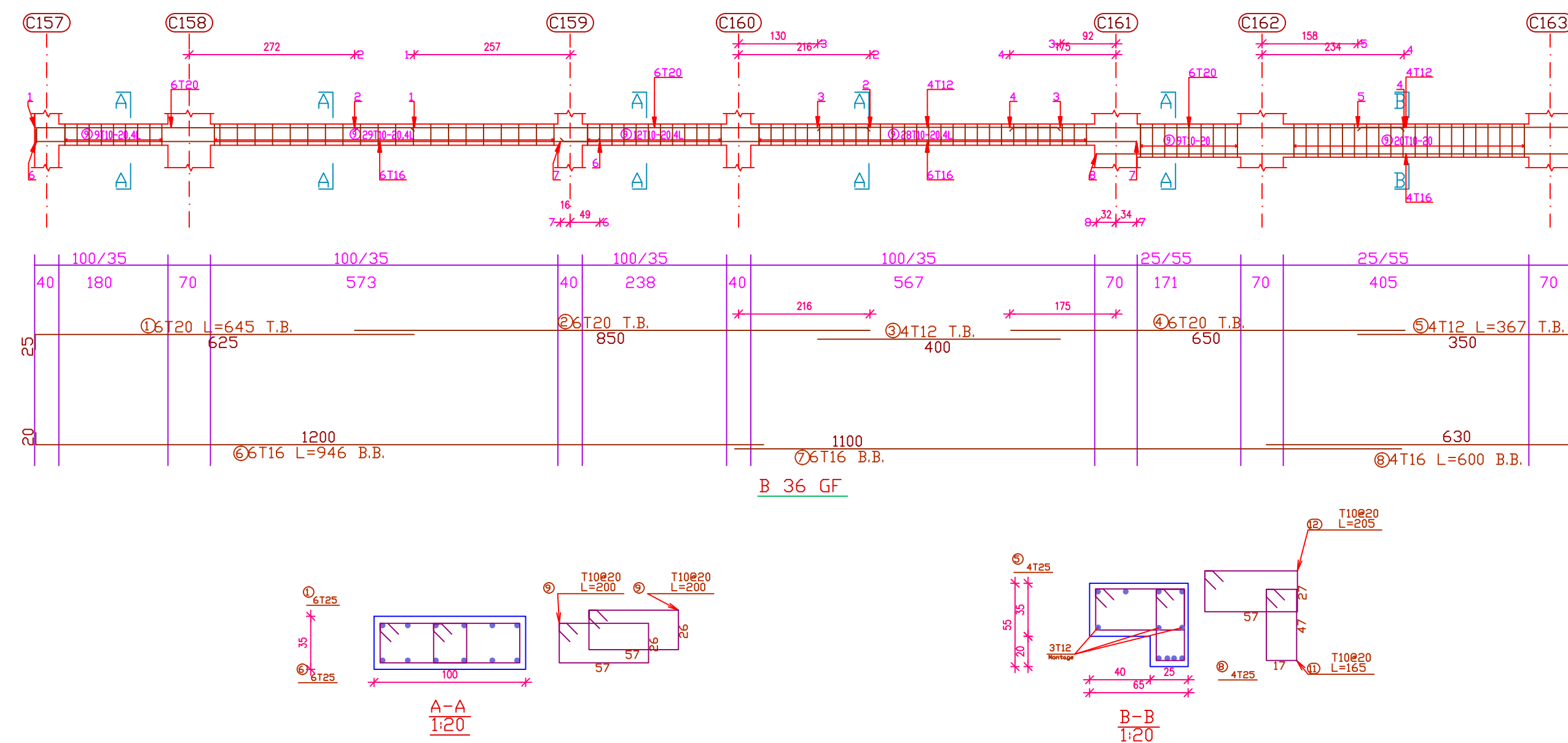
PPU Graduation Project

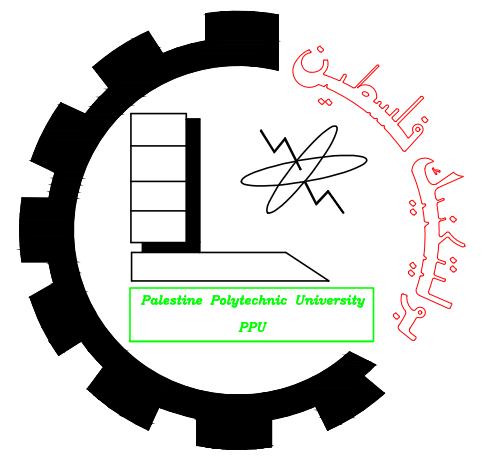
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

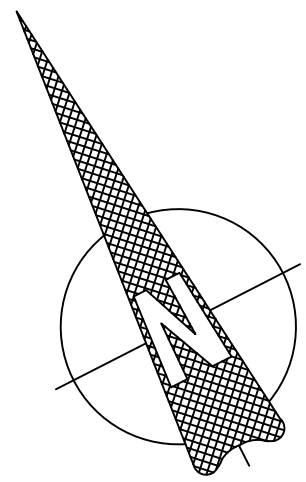
Drawing Contains:
GF & HF Beams

| Scale: | No : |
|-----------|------|
| (1:150) | S15 |





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| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

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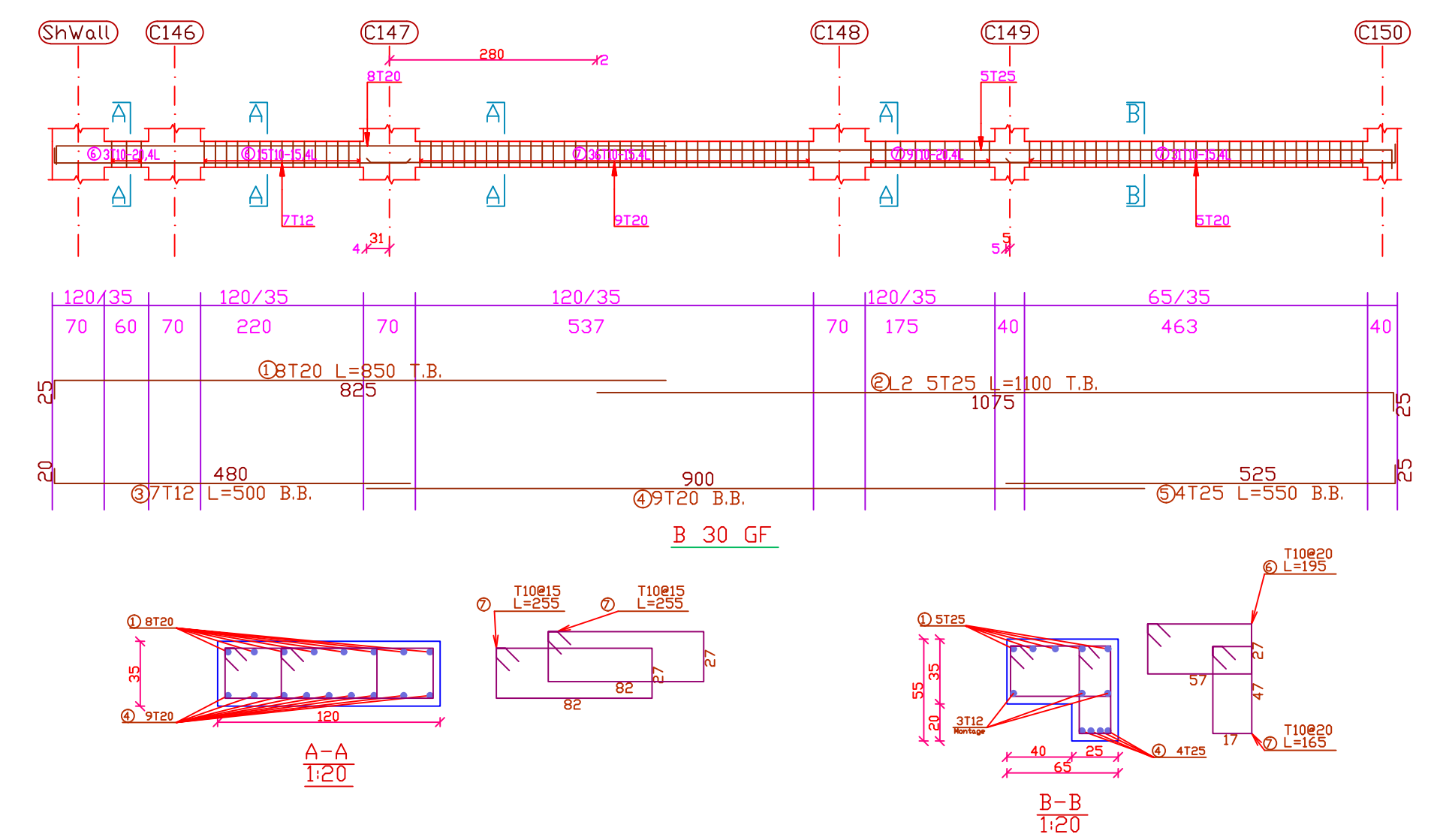
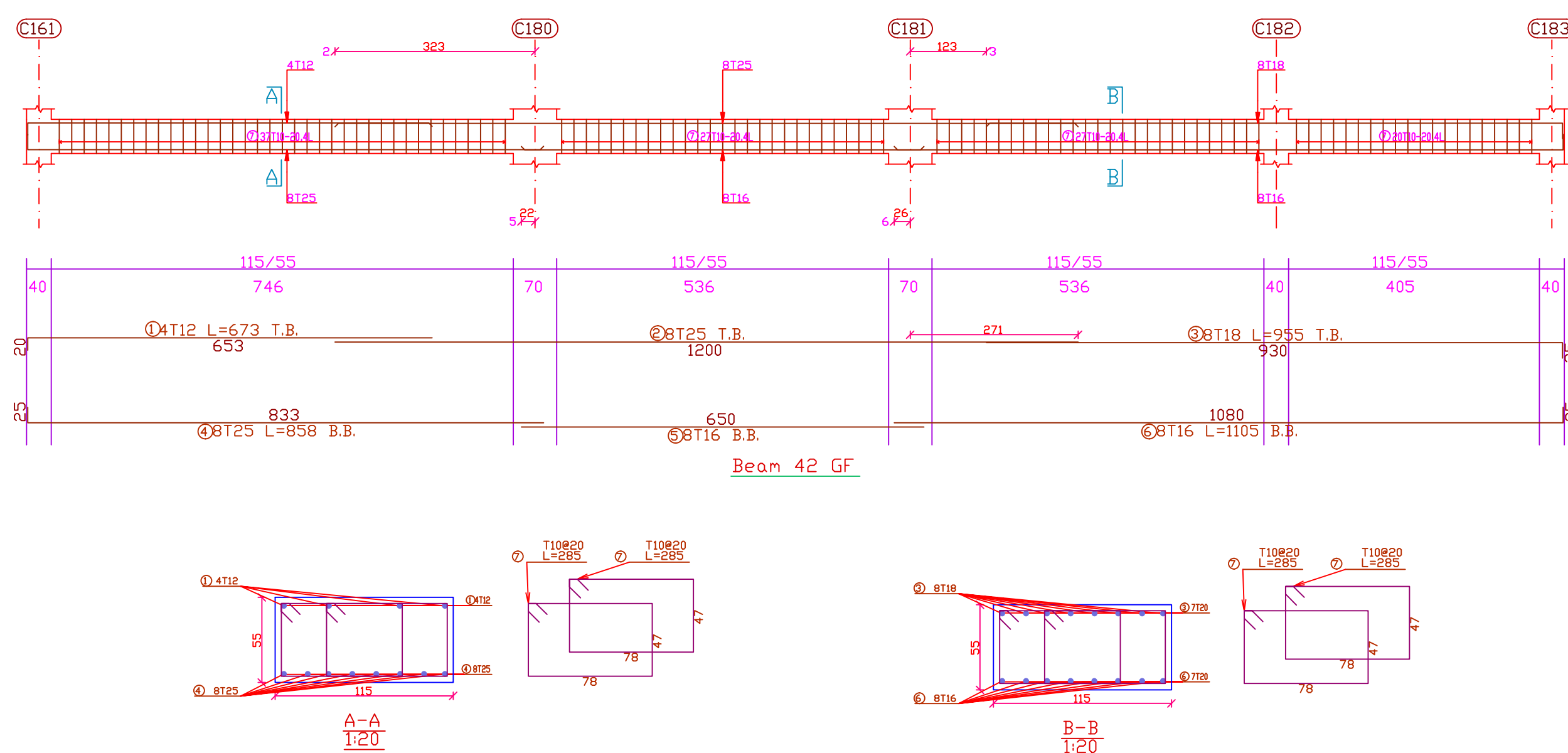
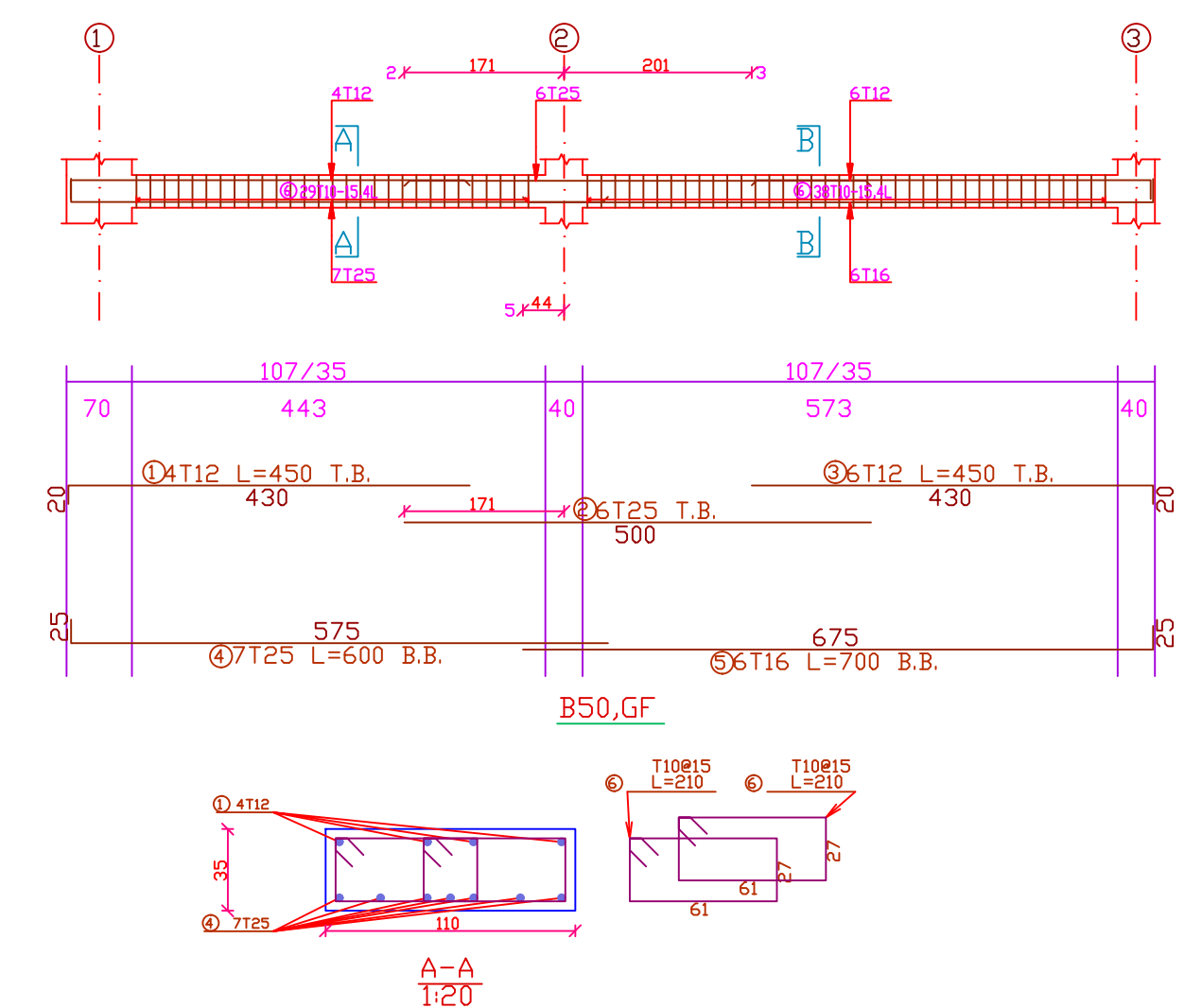
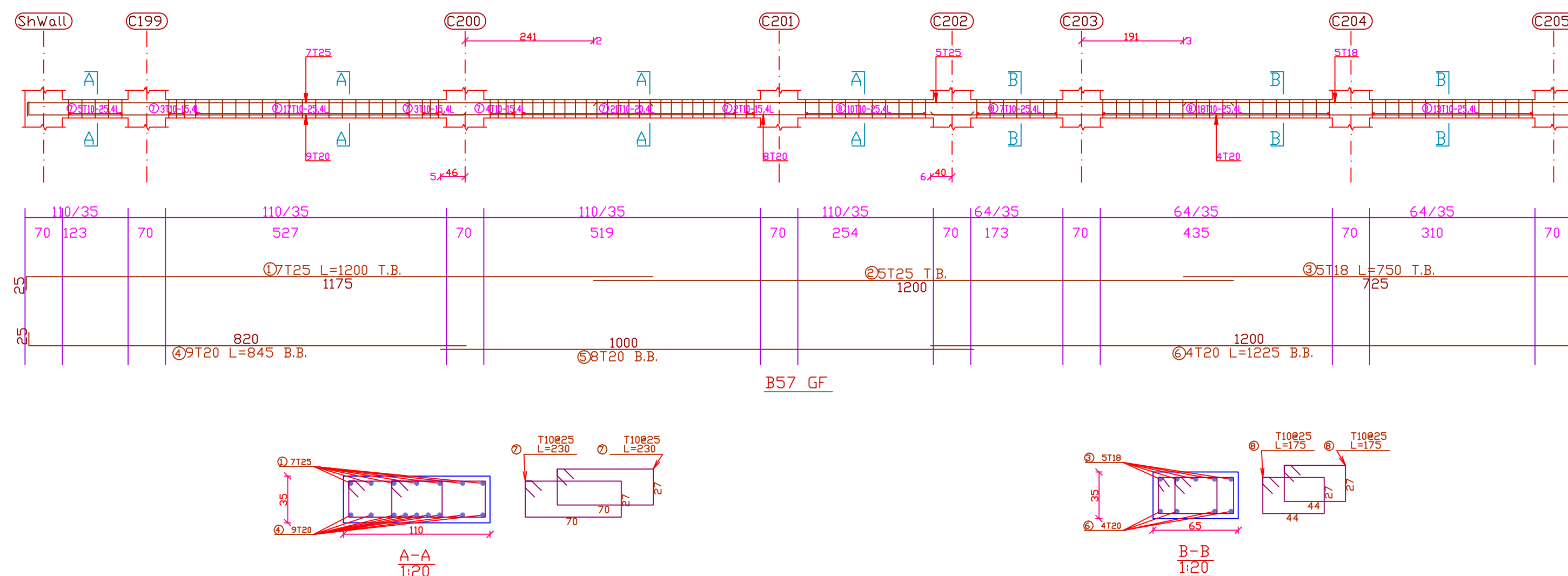
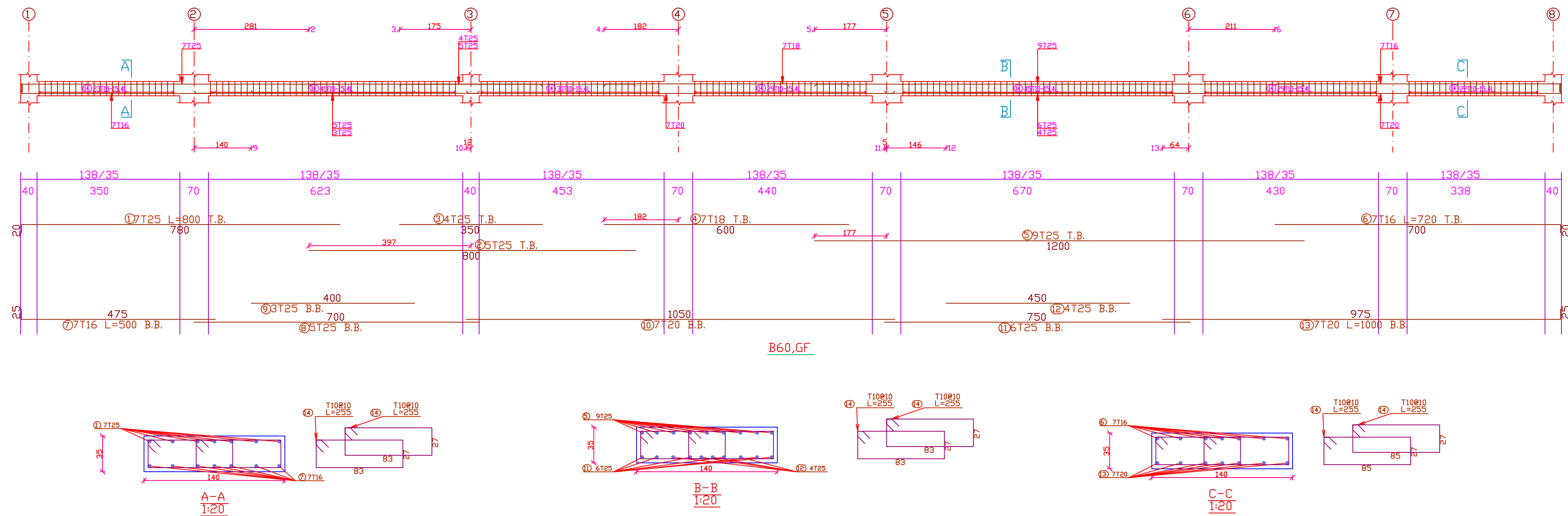
Supervisors :
Eng.Hamdi Idaes

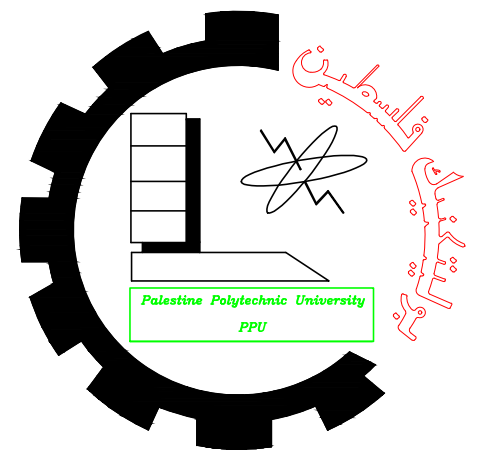
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
GF & HF Beams

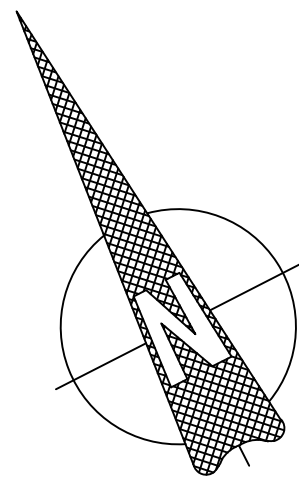
Scale:
(1:150)

No :
S16





Palestine Polytechnic University
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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

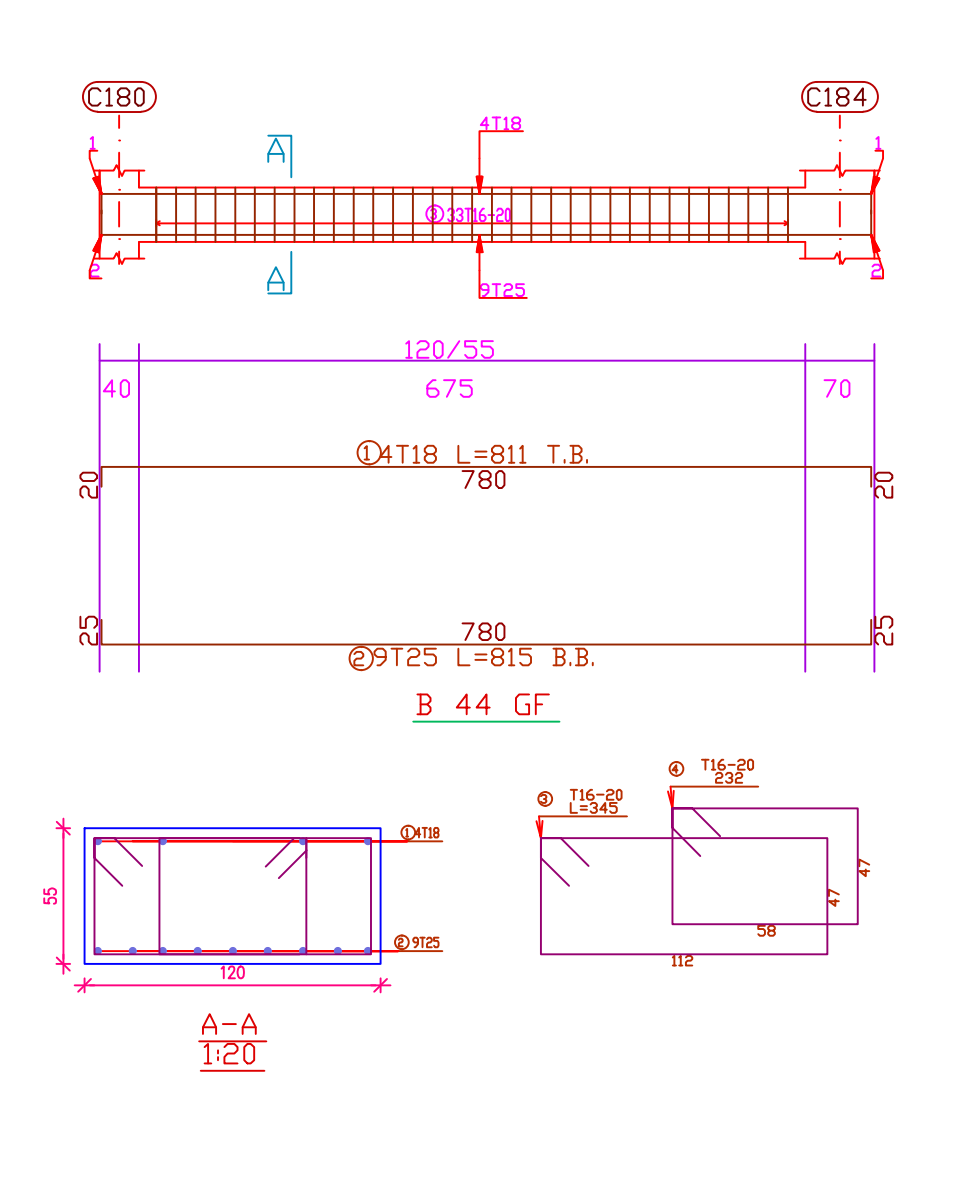
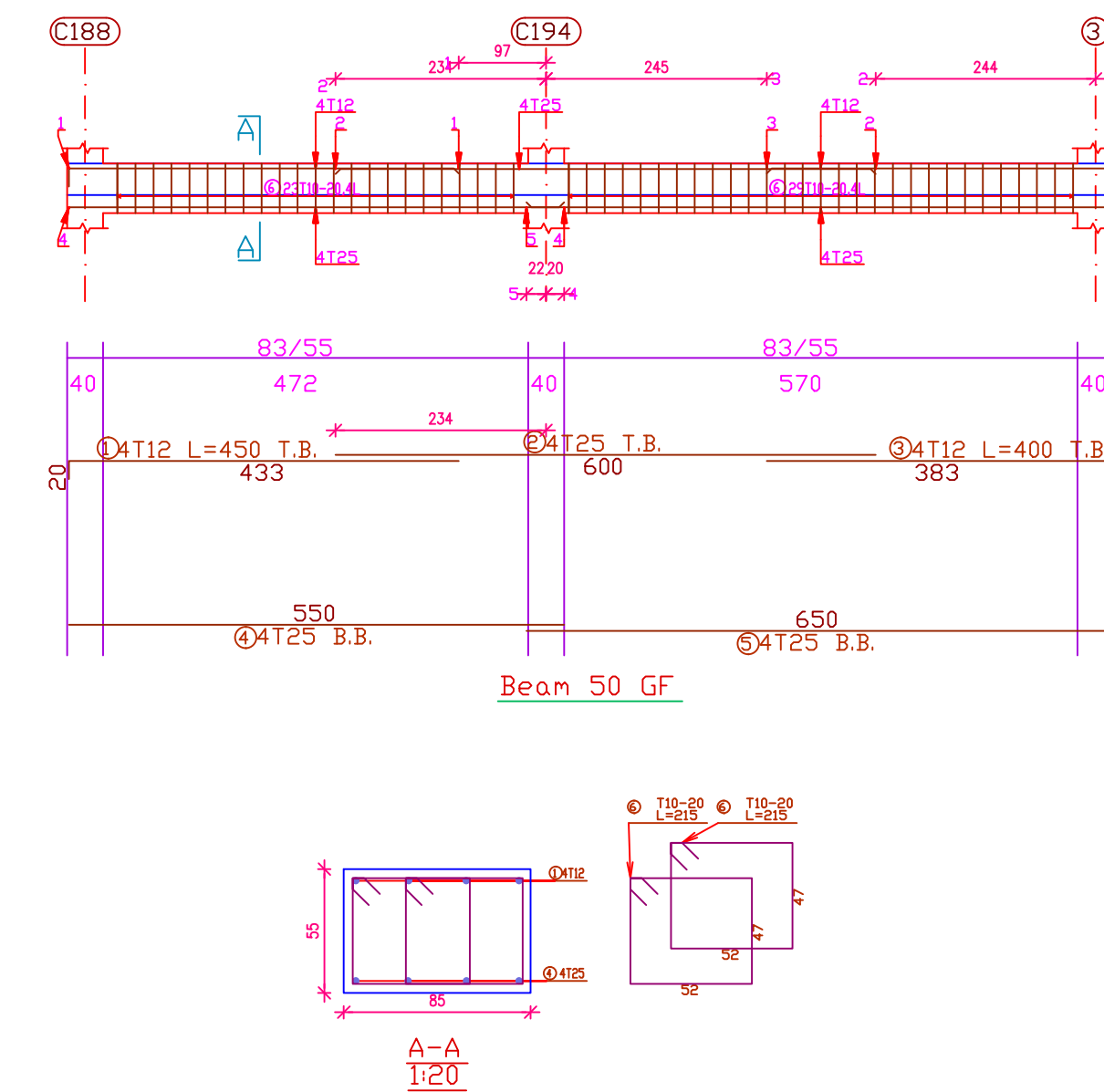
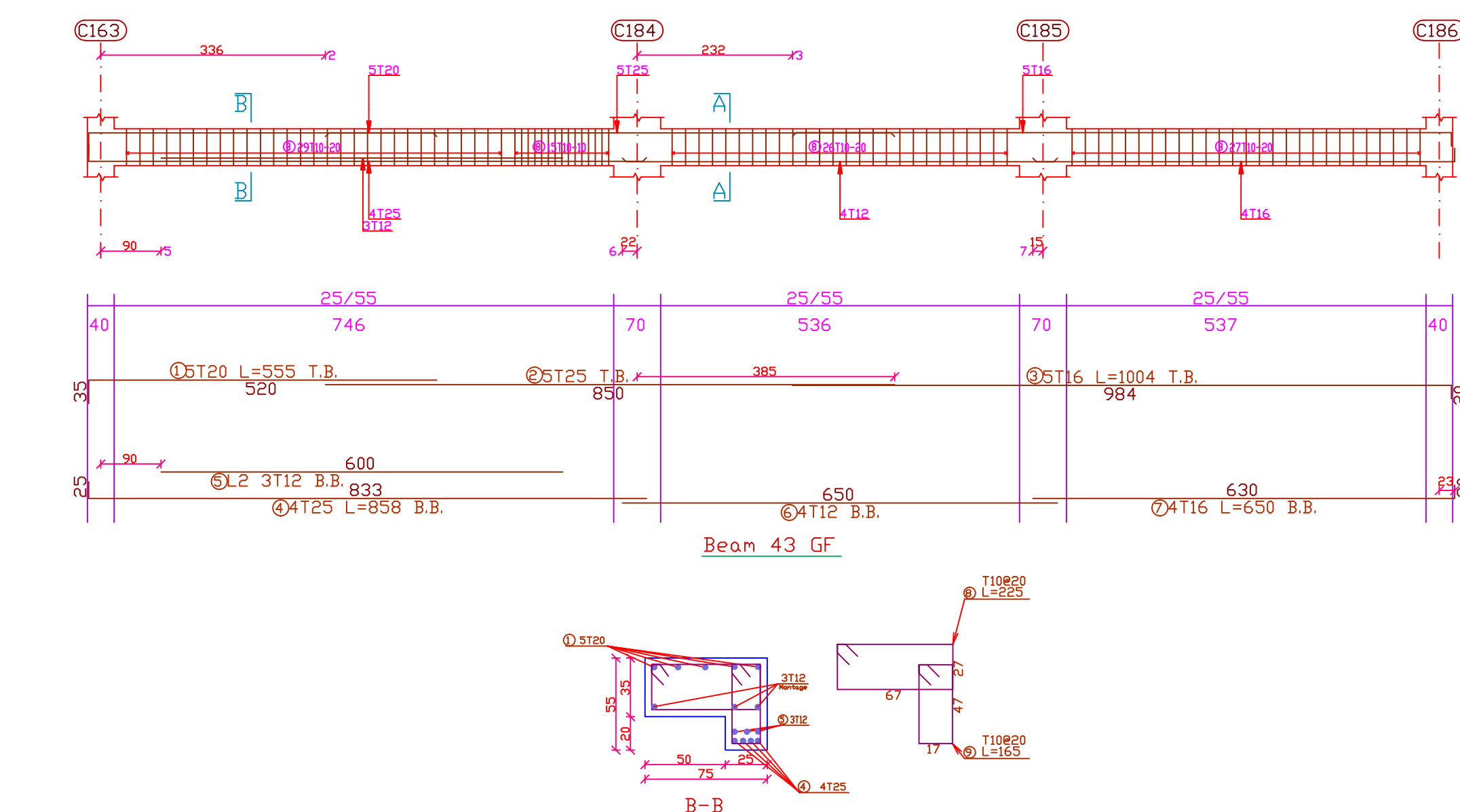
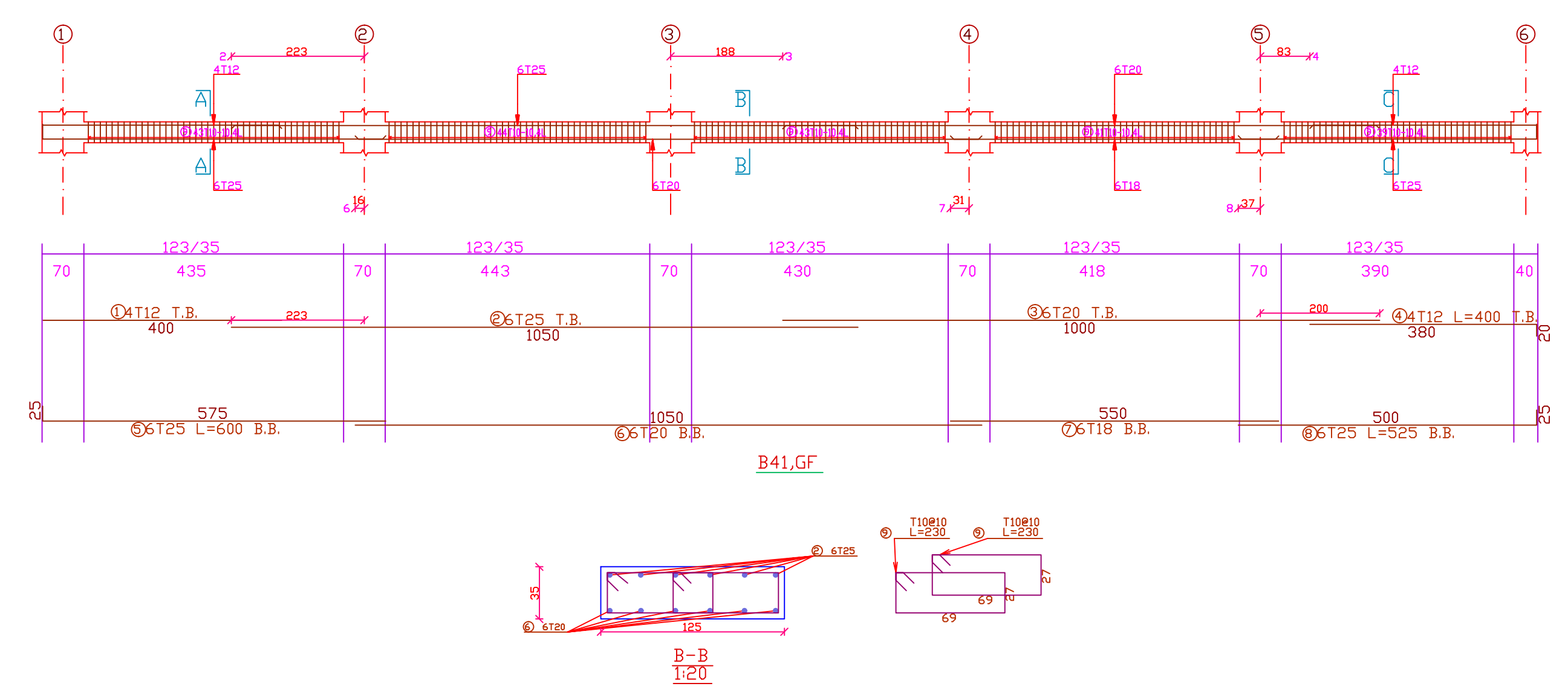
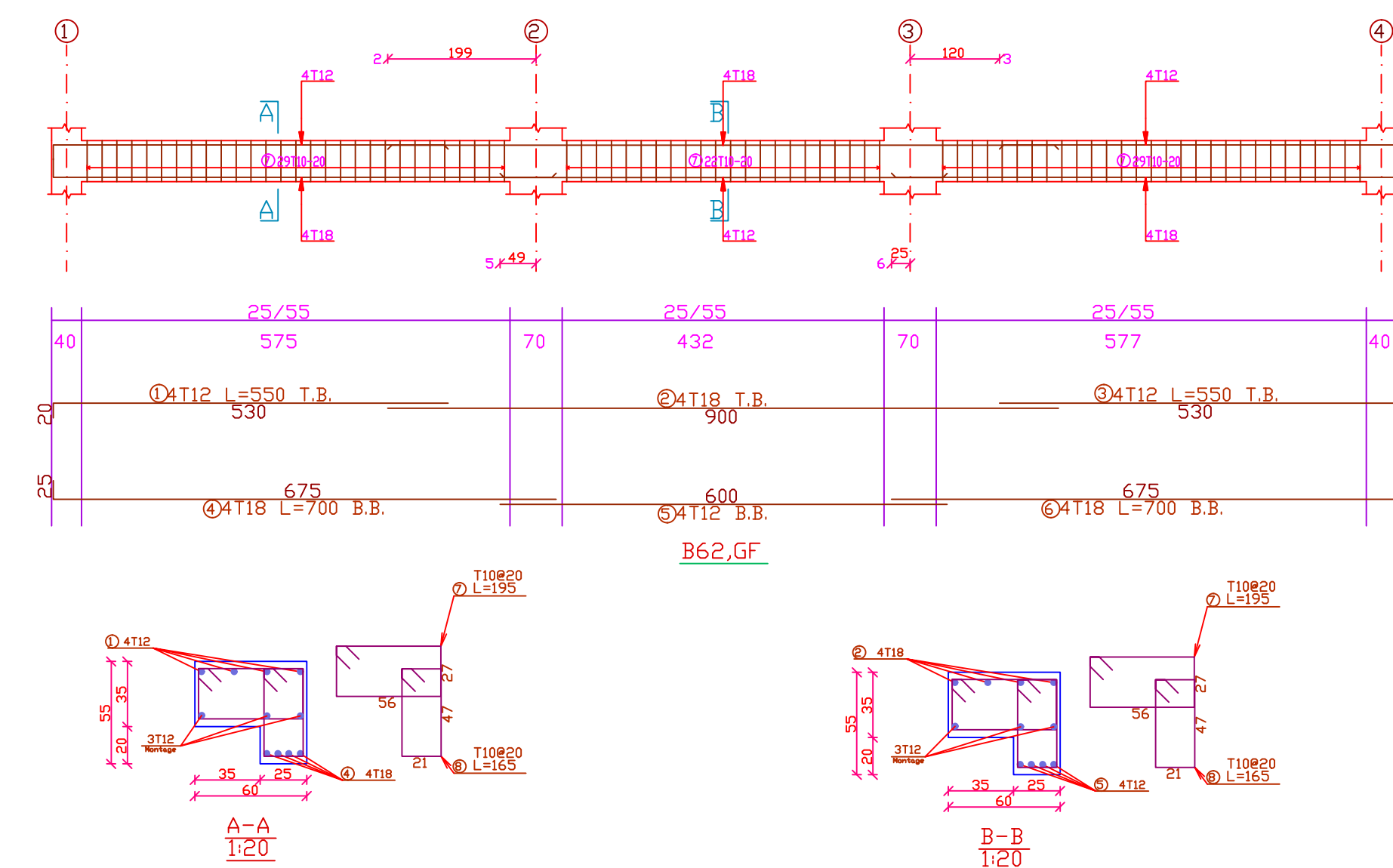
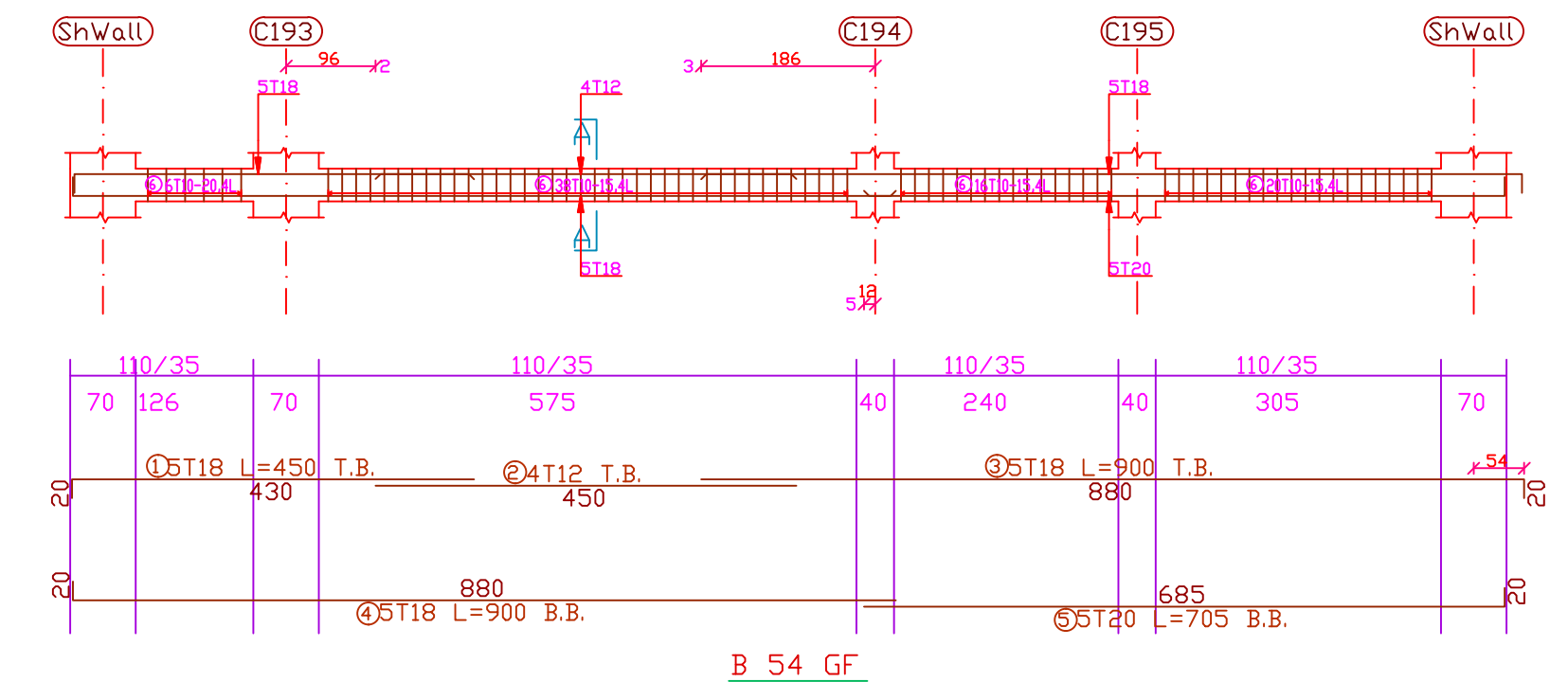
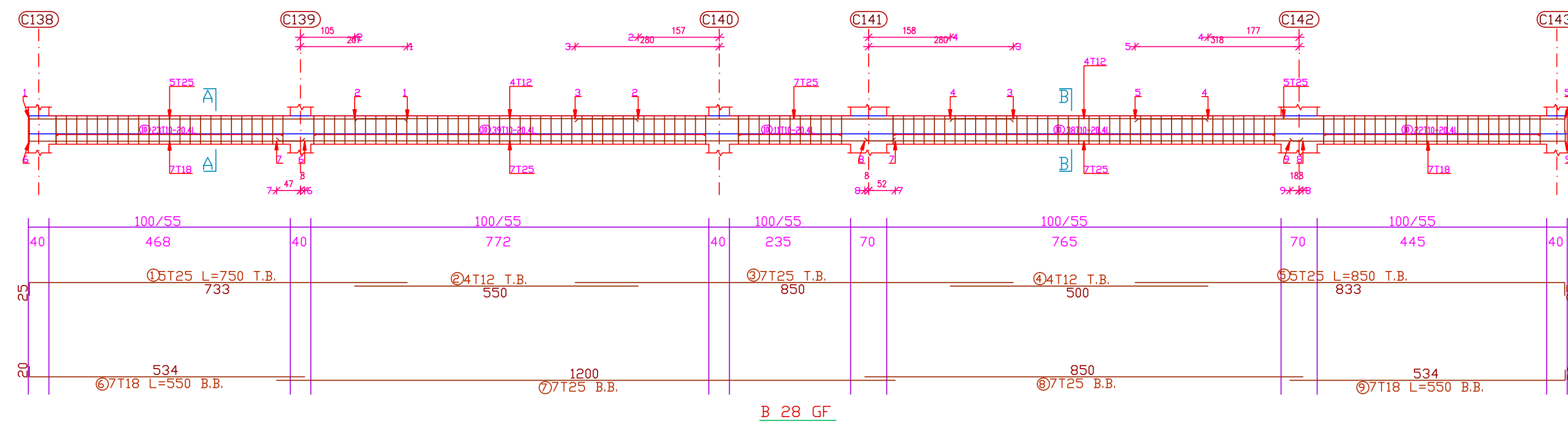
Supervisors :
Eng.Hamdi Idaes

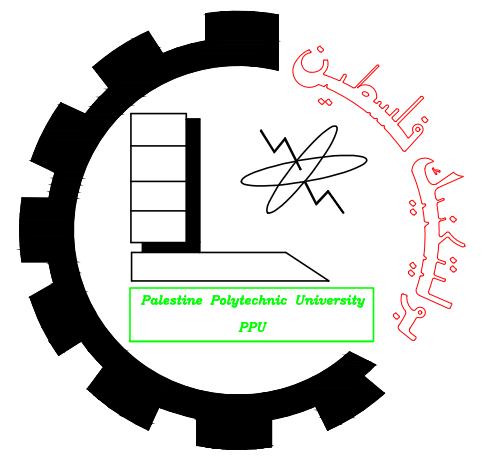
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
GF & HF Beams

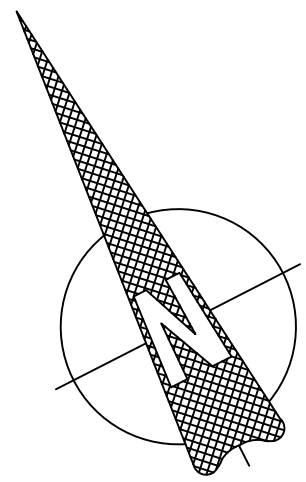
Scale:
(1:150)

No :
S17





Palestine Polytechnic University
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civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

Supervisors :
Eng.Hamdi Idaes

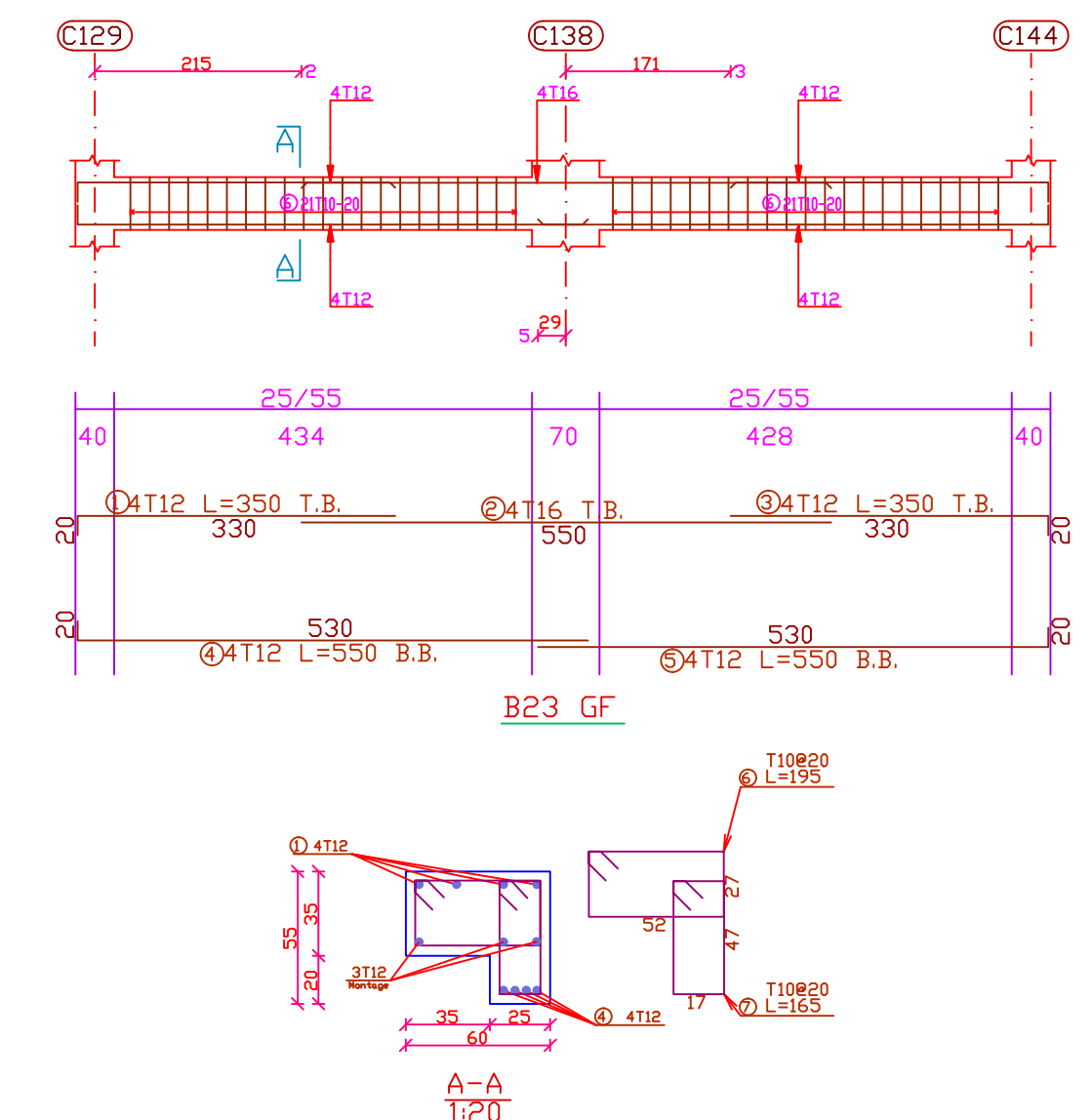
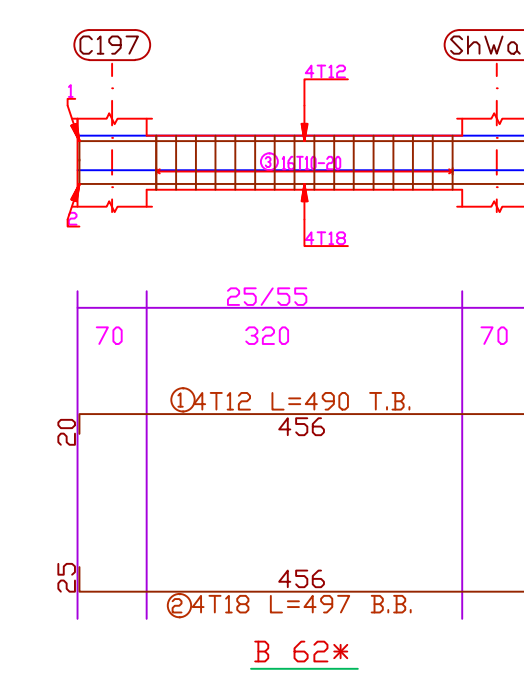
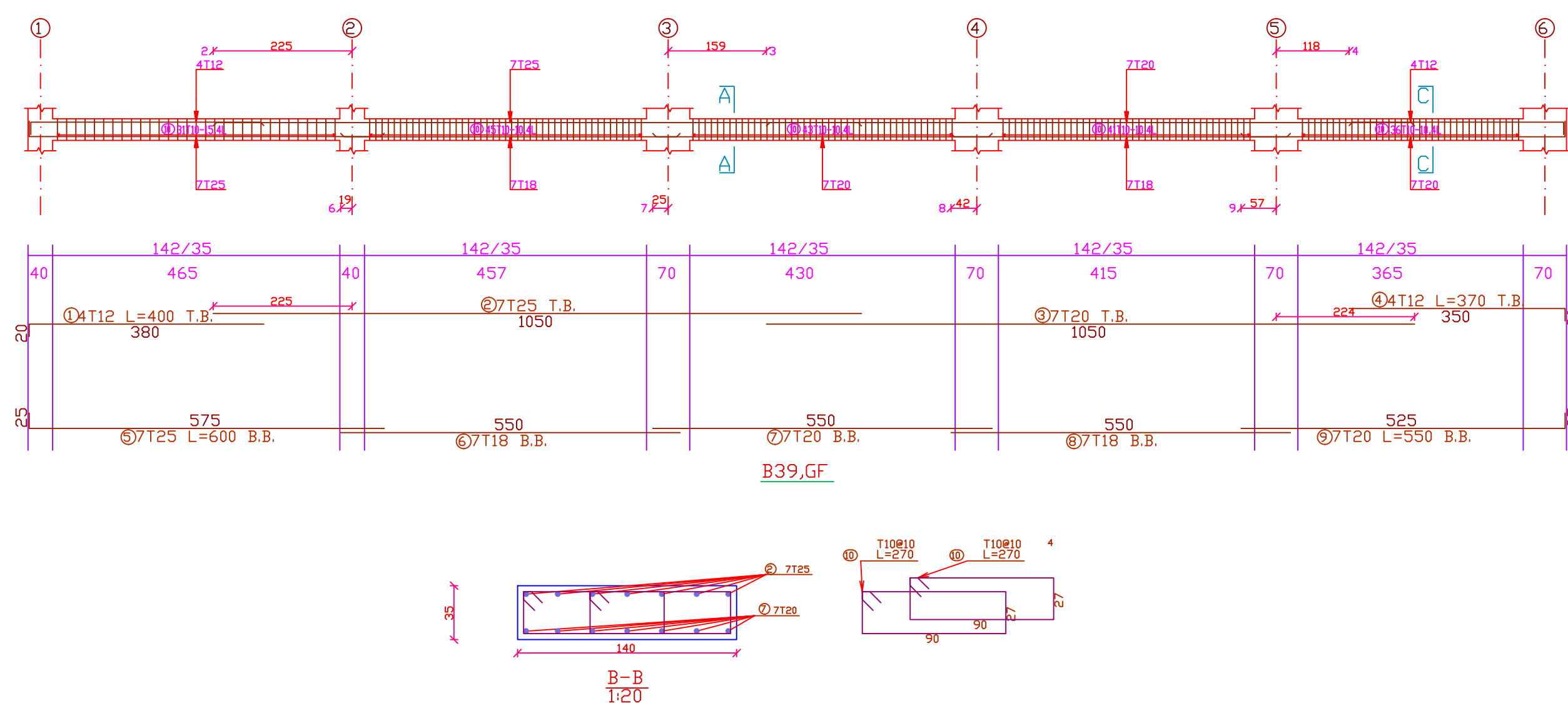
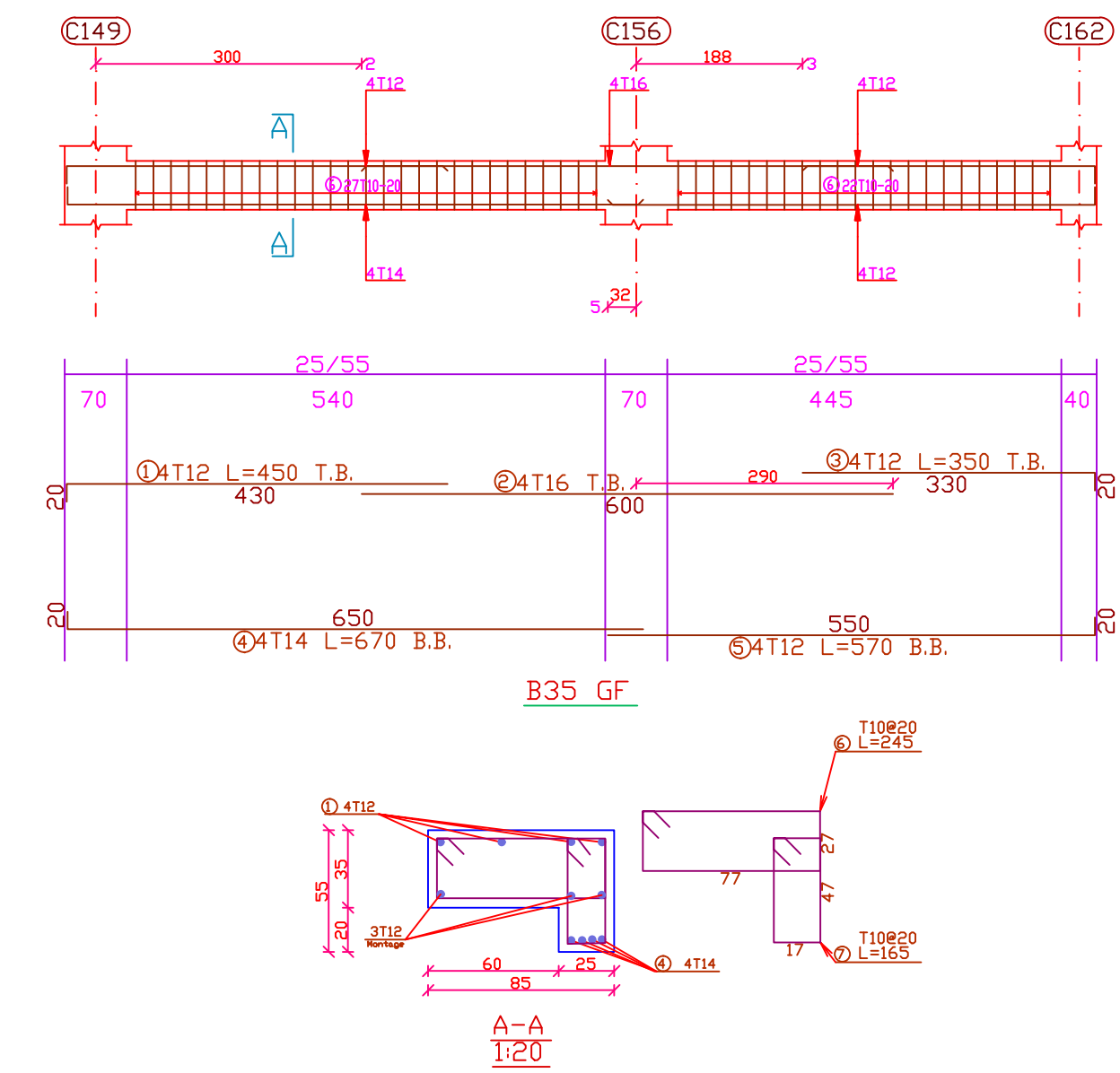
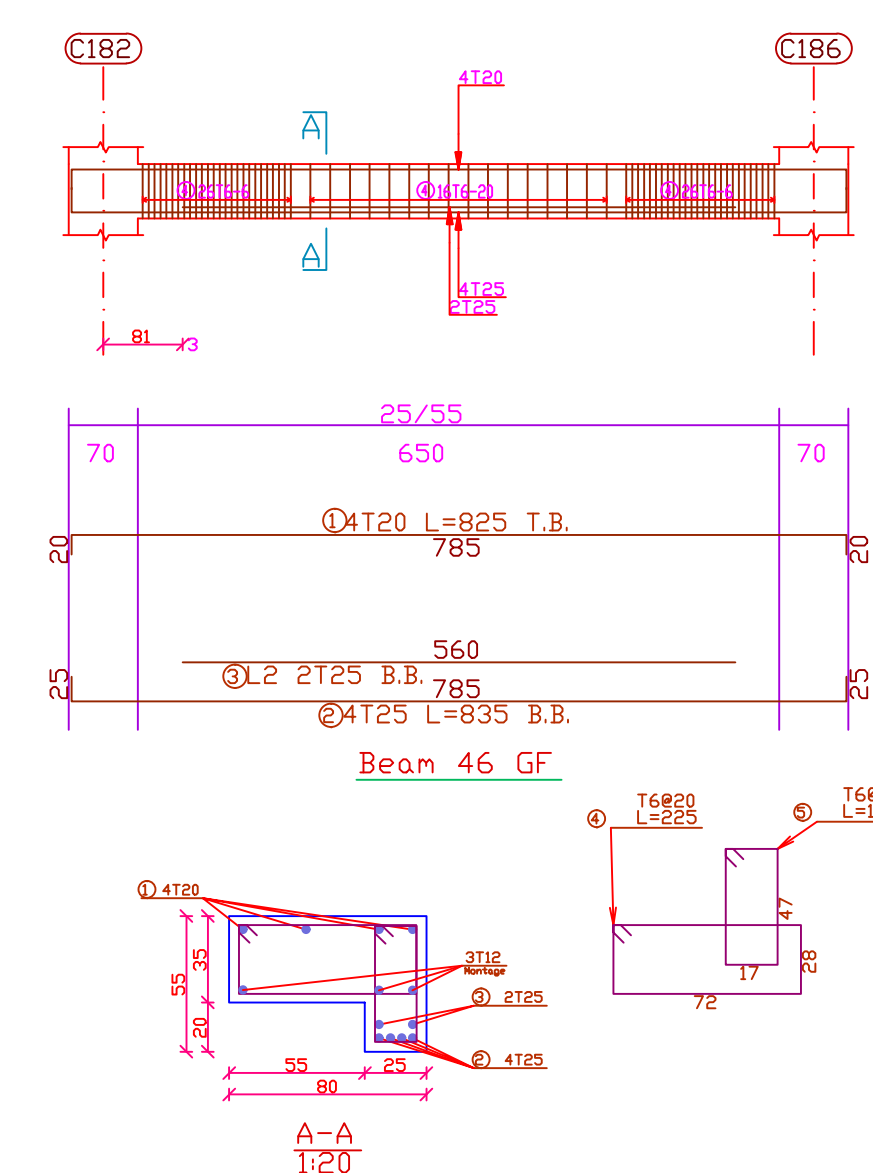
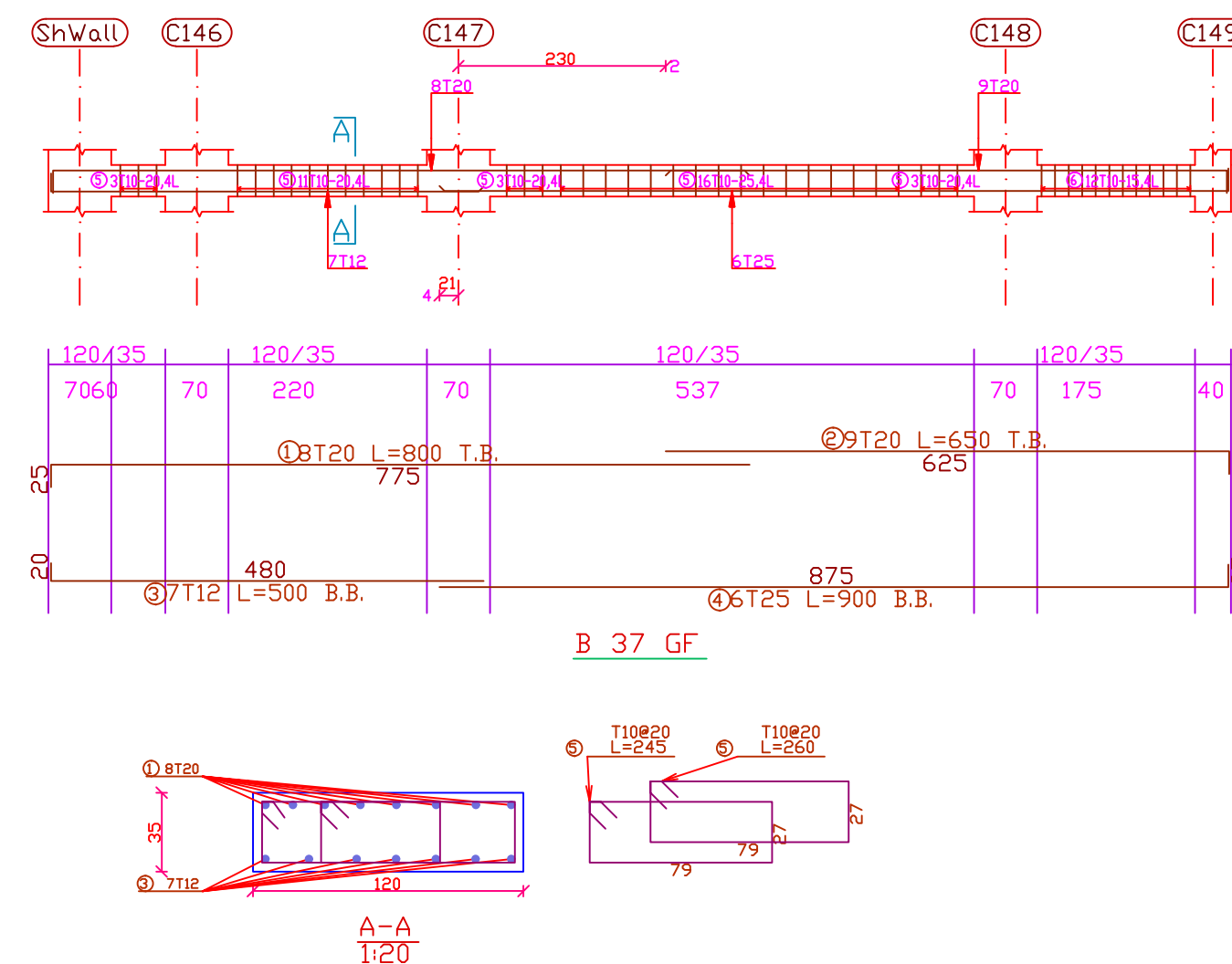
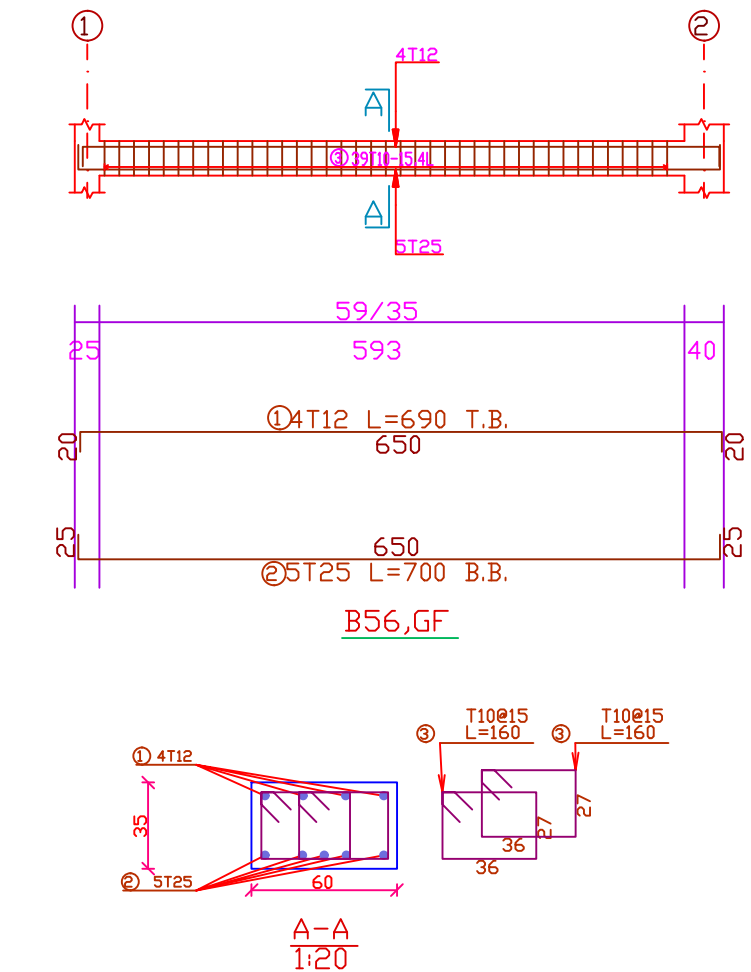
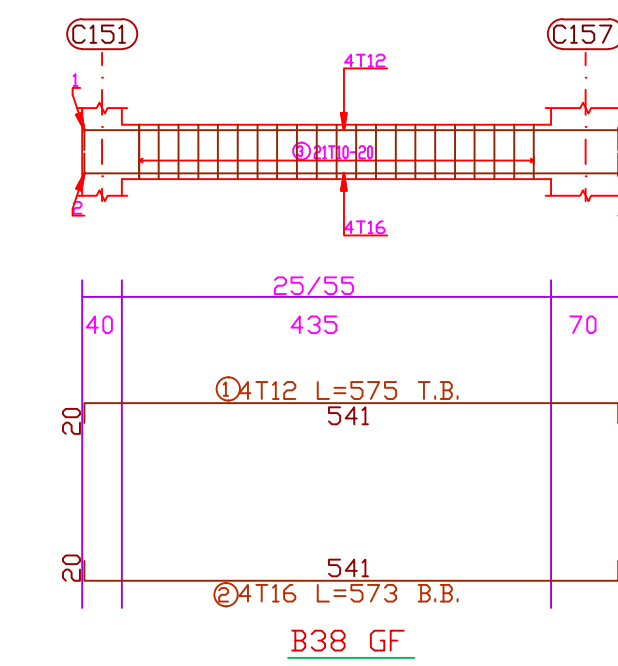
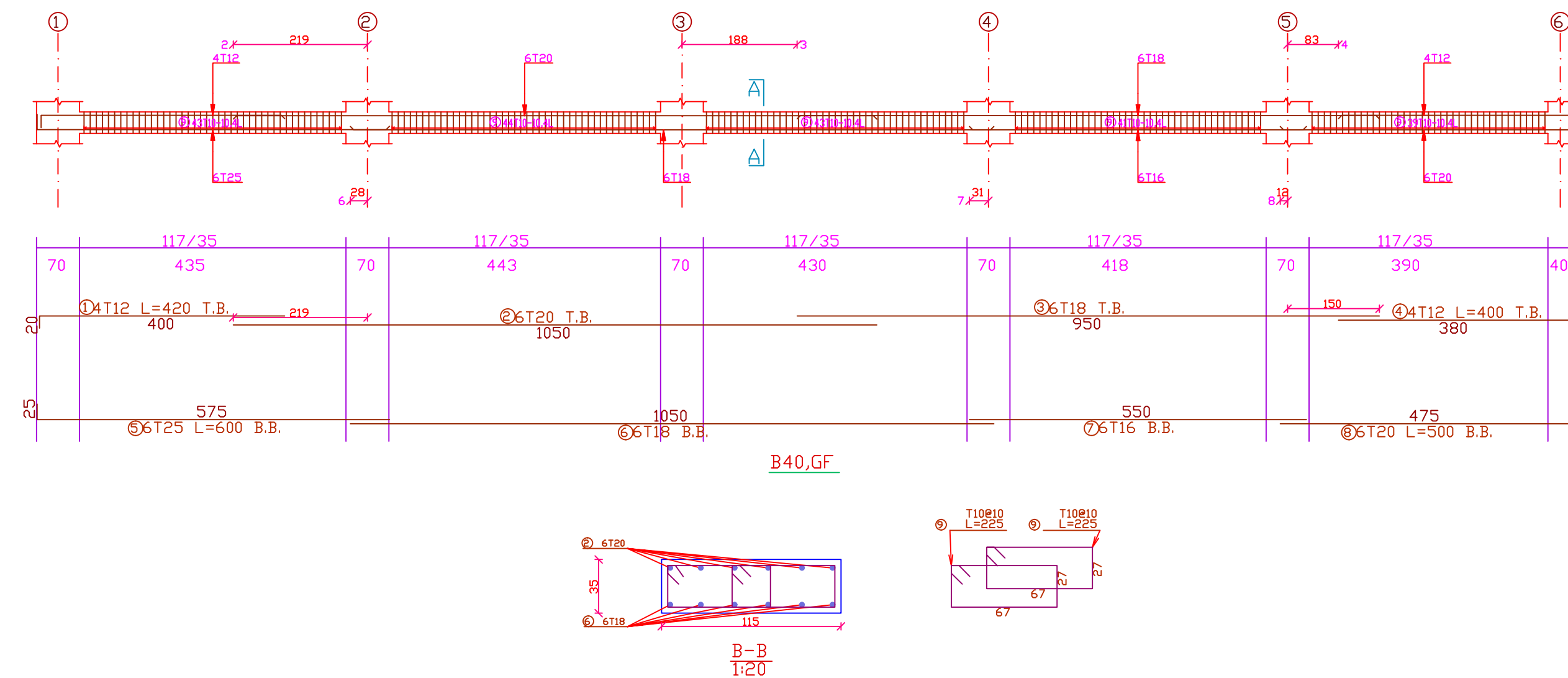
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

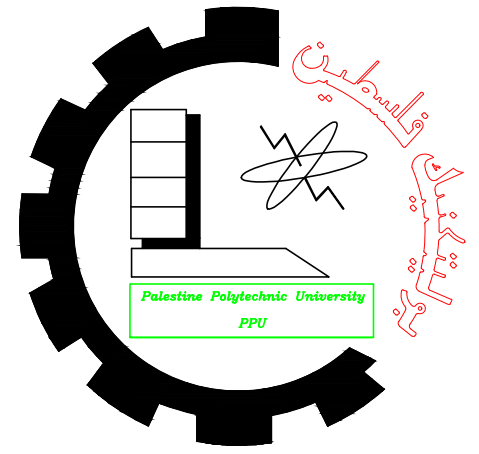
Drawing Contains:

GF & HF Beams

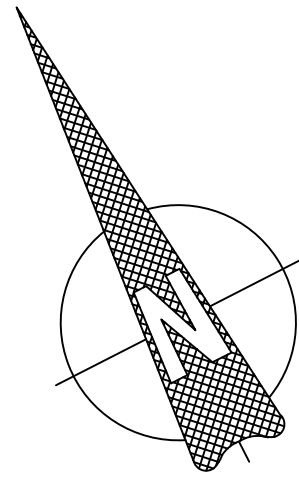
Scale:
(1:150)

No :
S18





Palestine Polytechnic University
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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

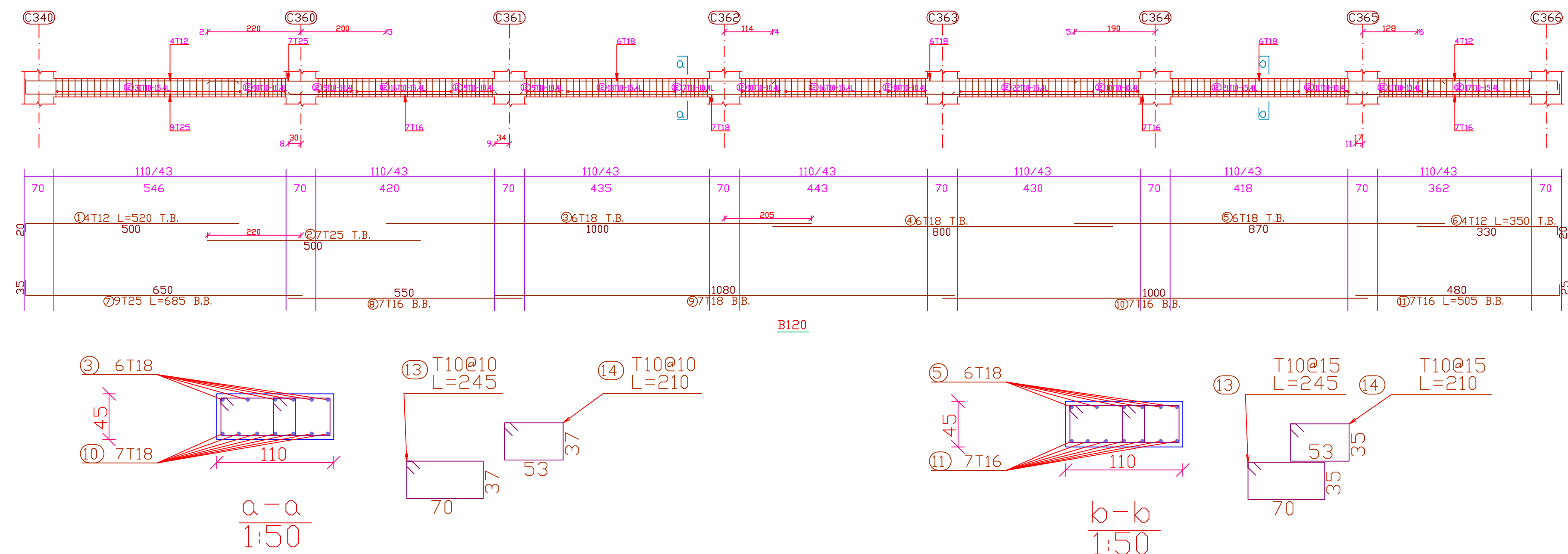
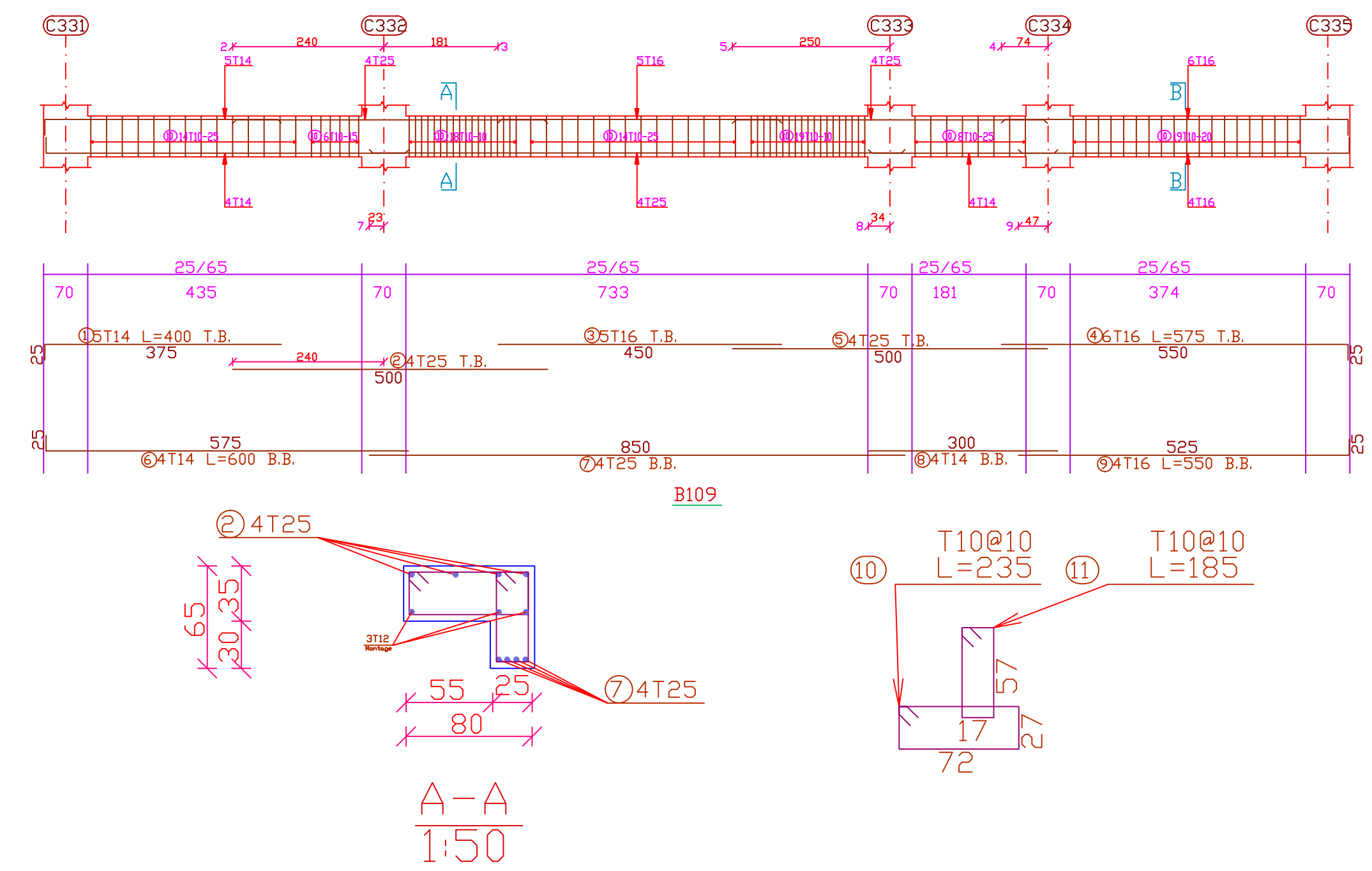
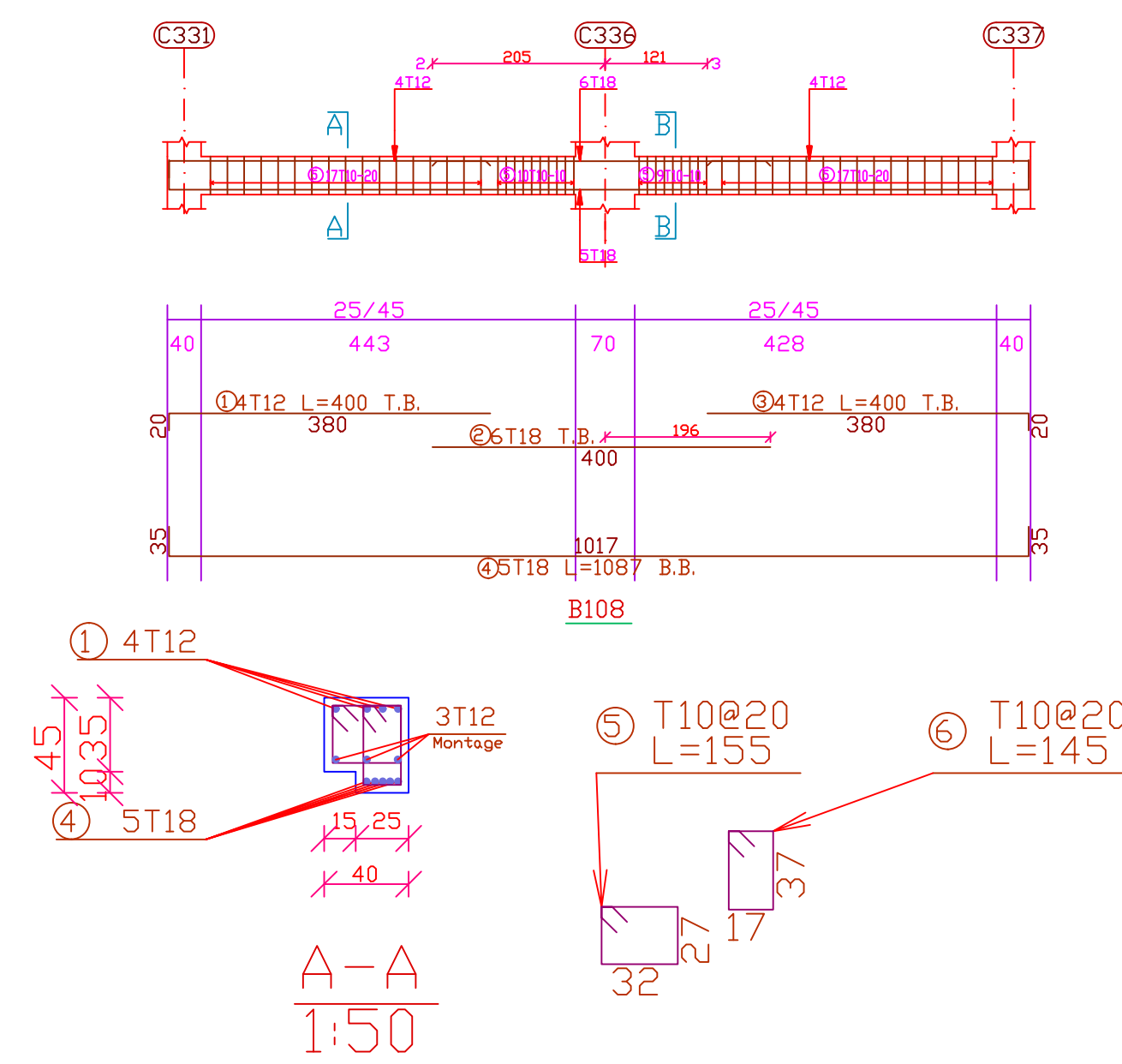
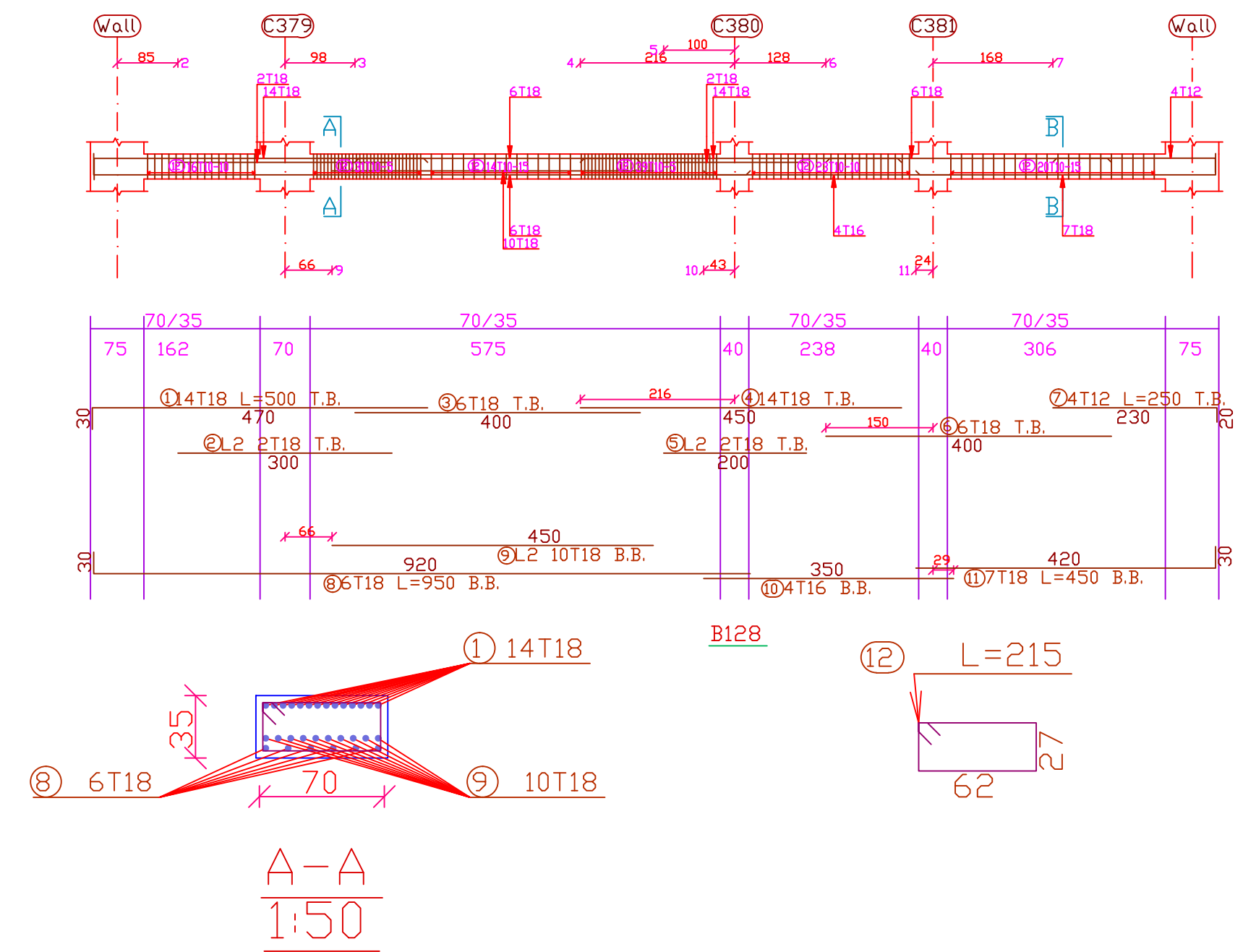
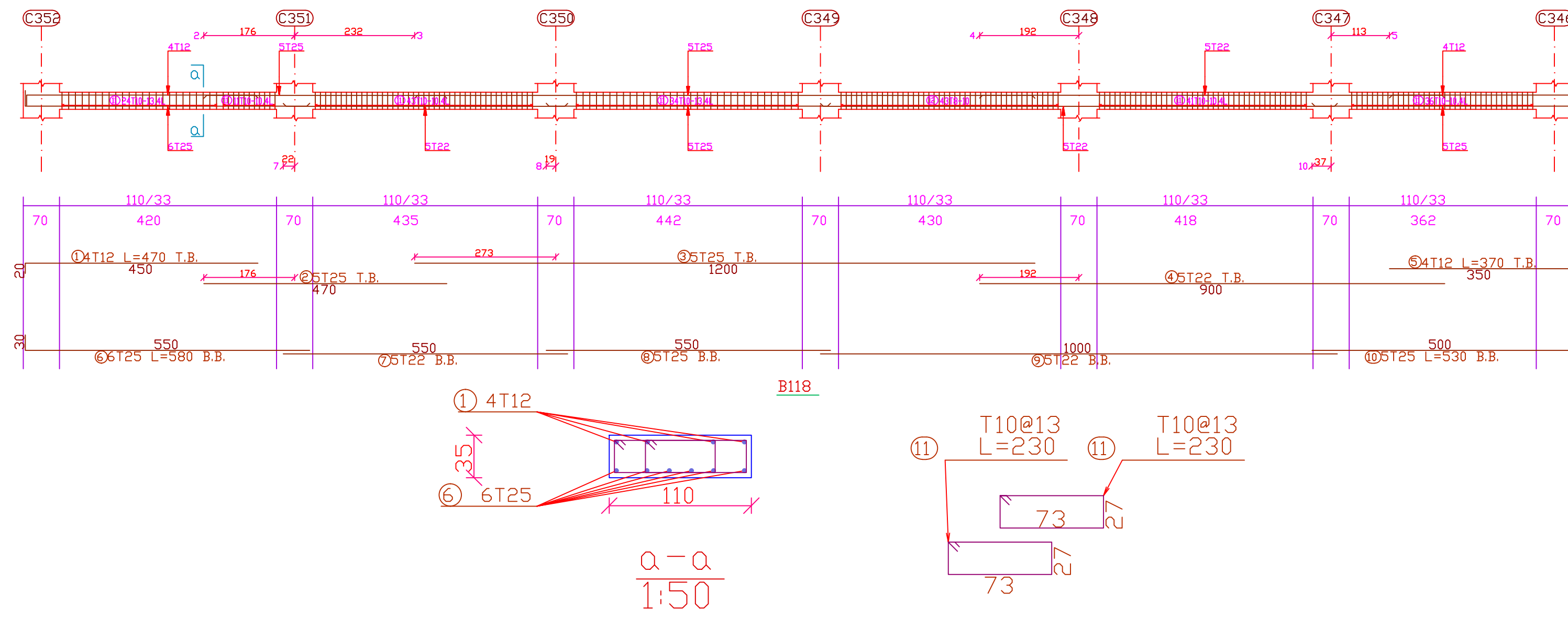
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

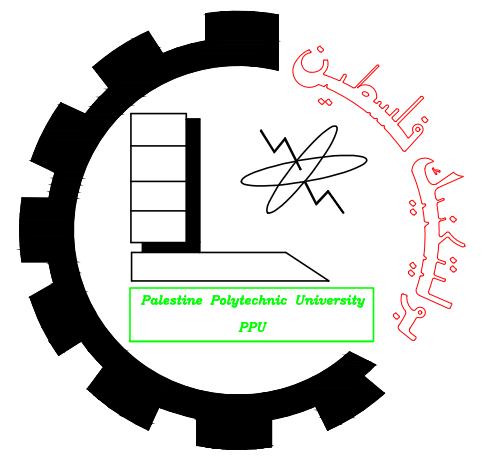
Drawing Contains:

1st Floor Beams

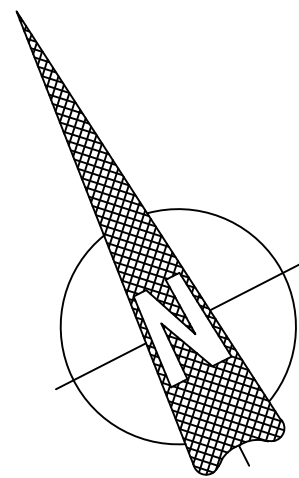
Scale:
(1:150)

No :
S19





Palestine Polytechnic University
Technology and engineering college
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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

PPU Graduation Project

Supervisors :
Eng.Hamdi Idaes

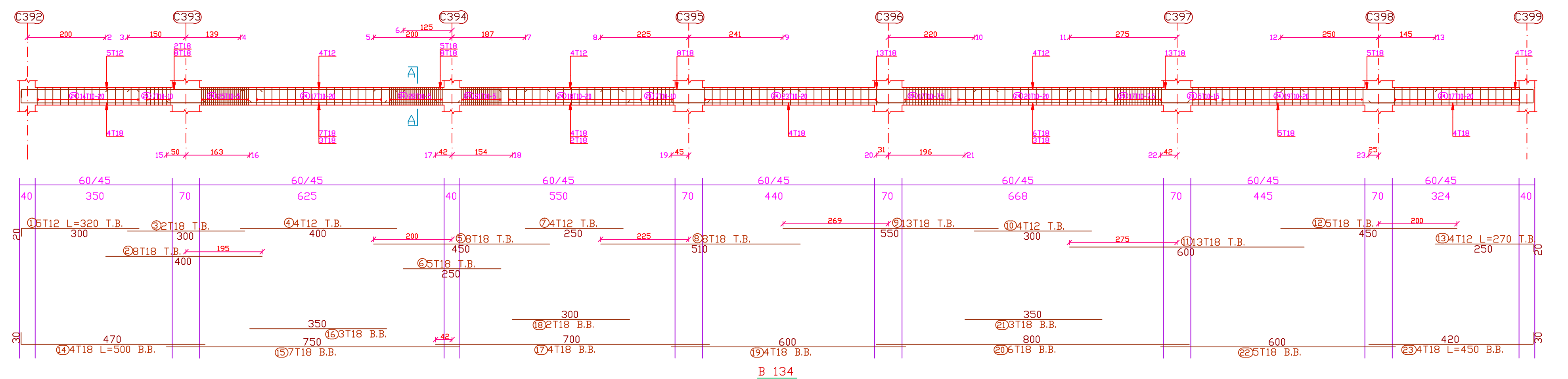
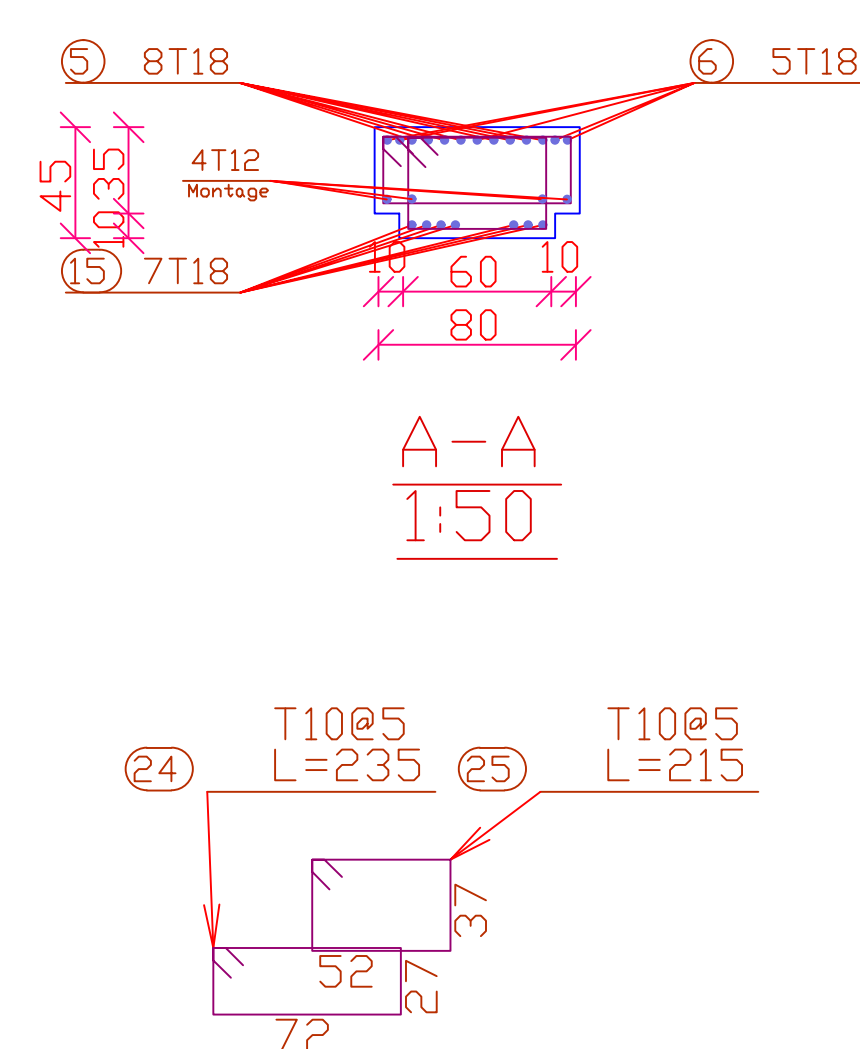
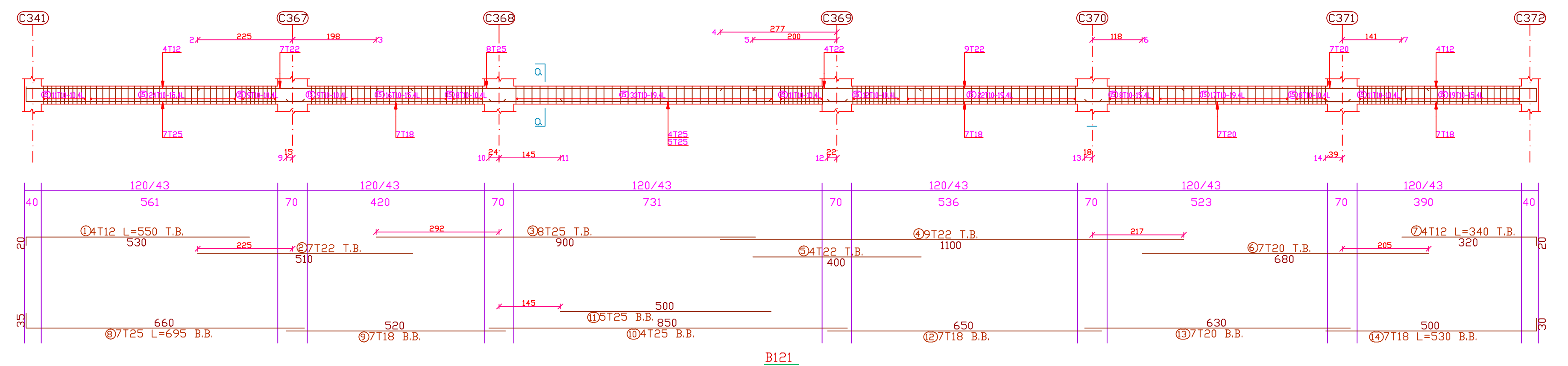
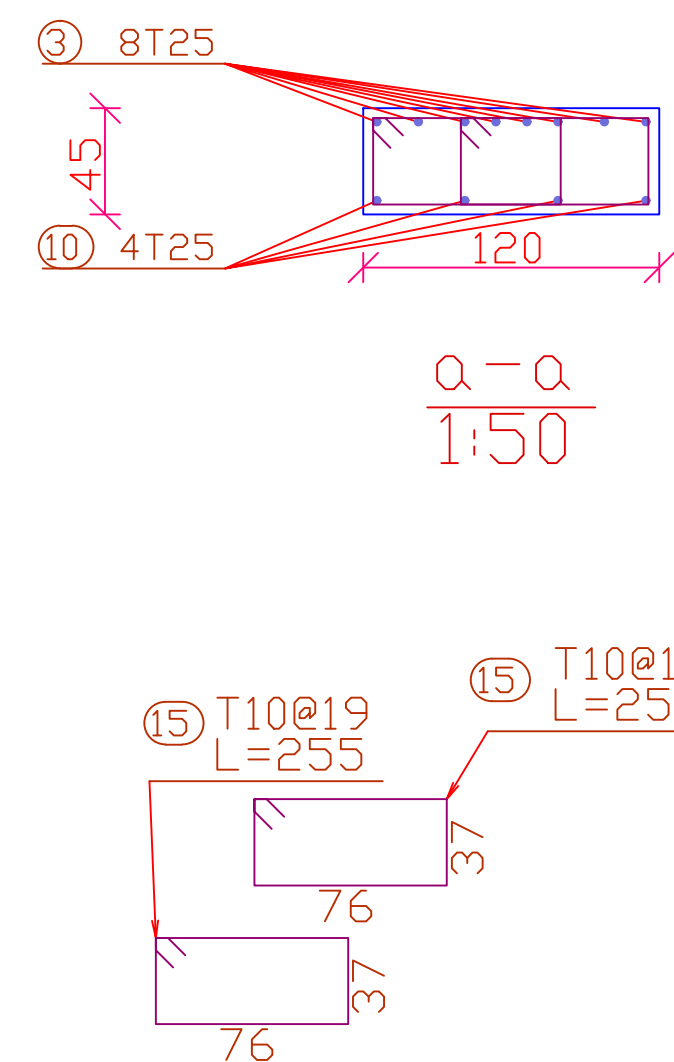
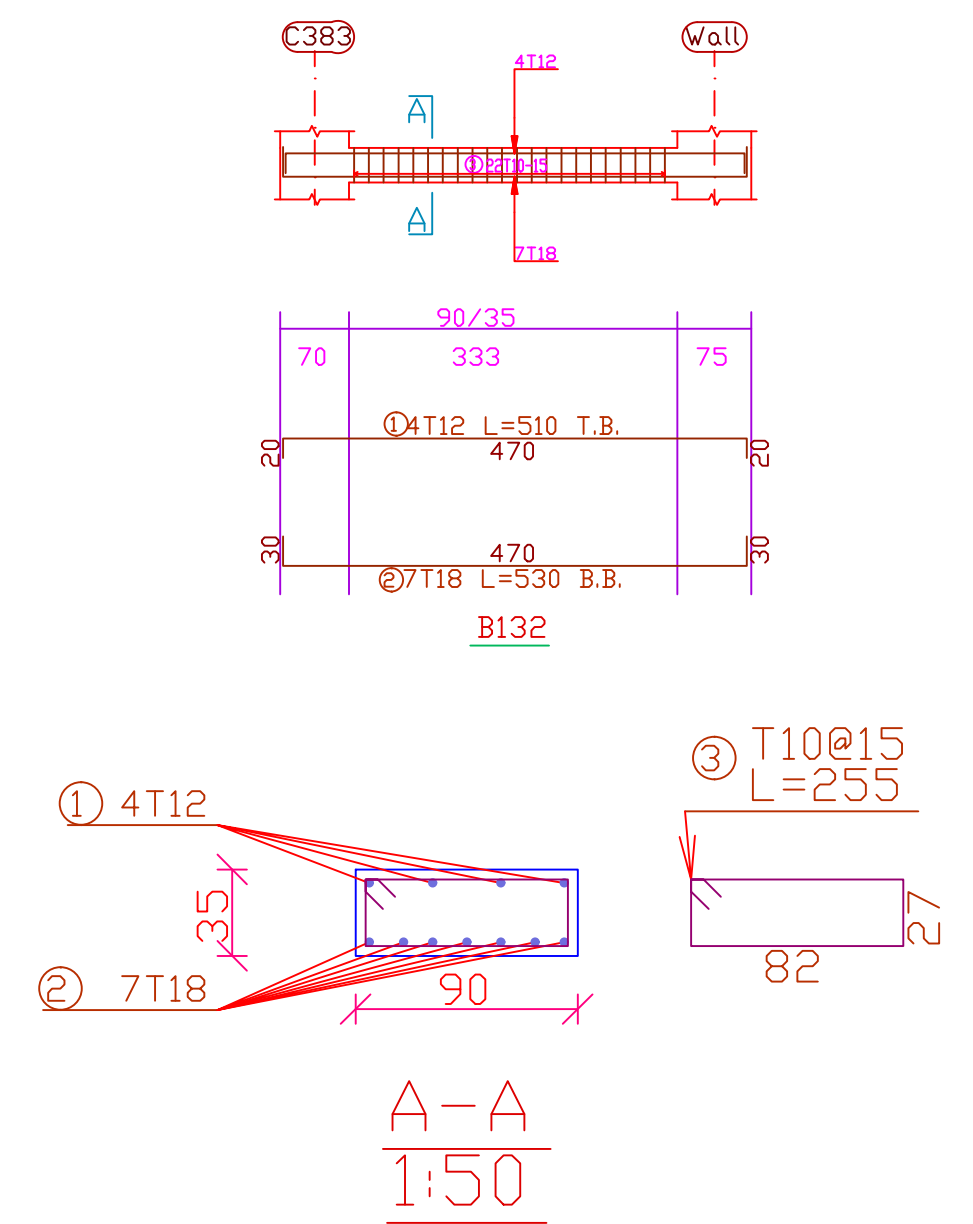
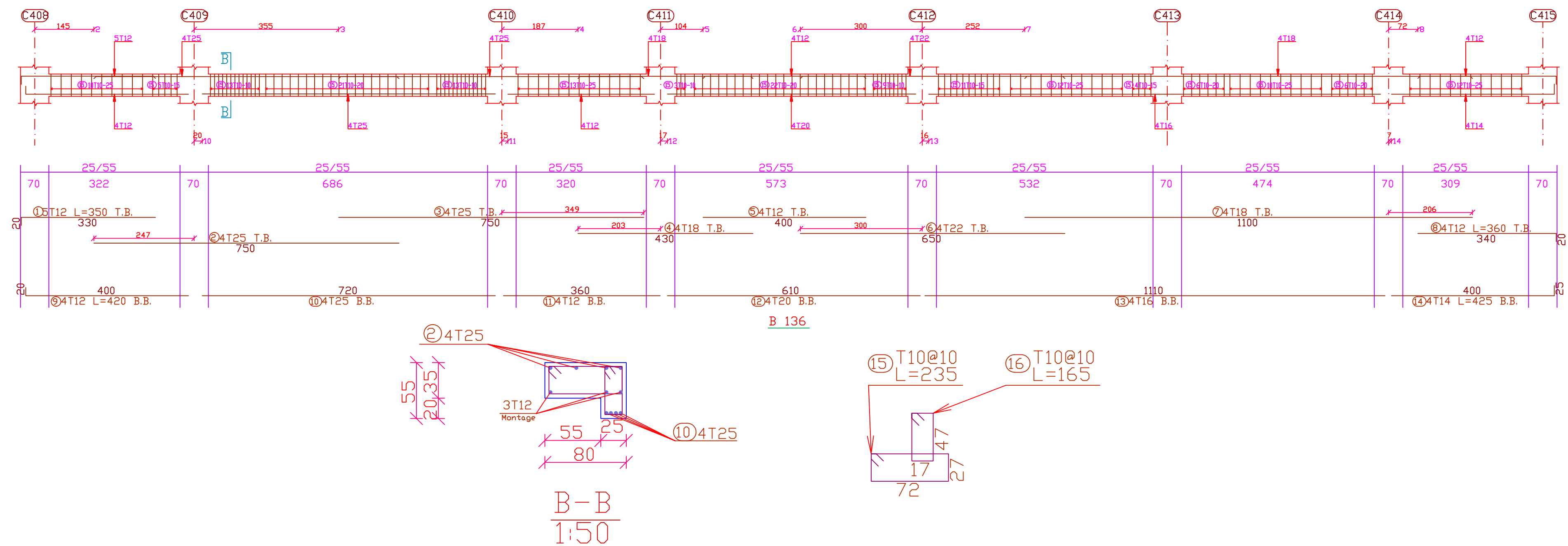
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

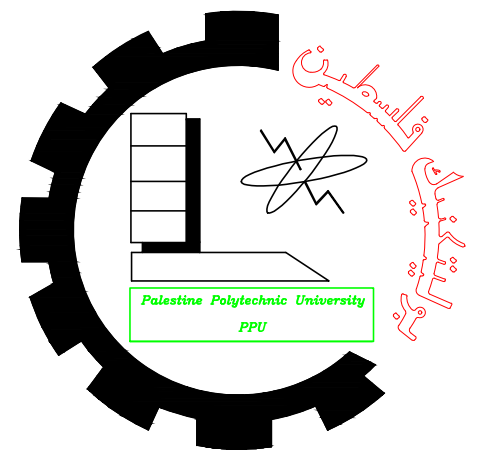
Drawing Contains:

1st Floor Beams

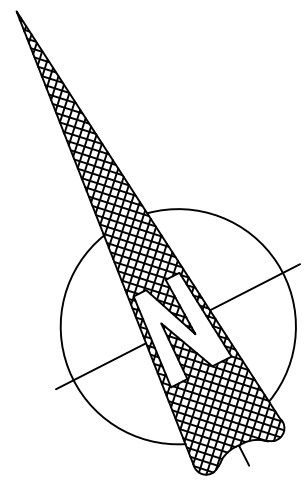
Scale:
(1:150)

No :
S20





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

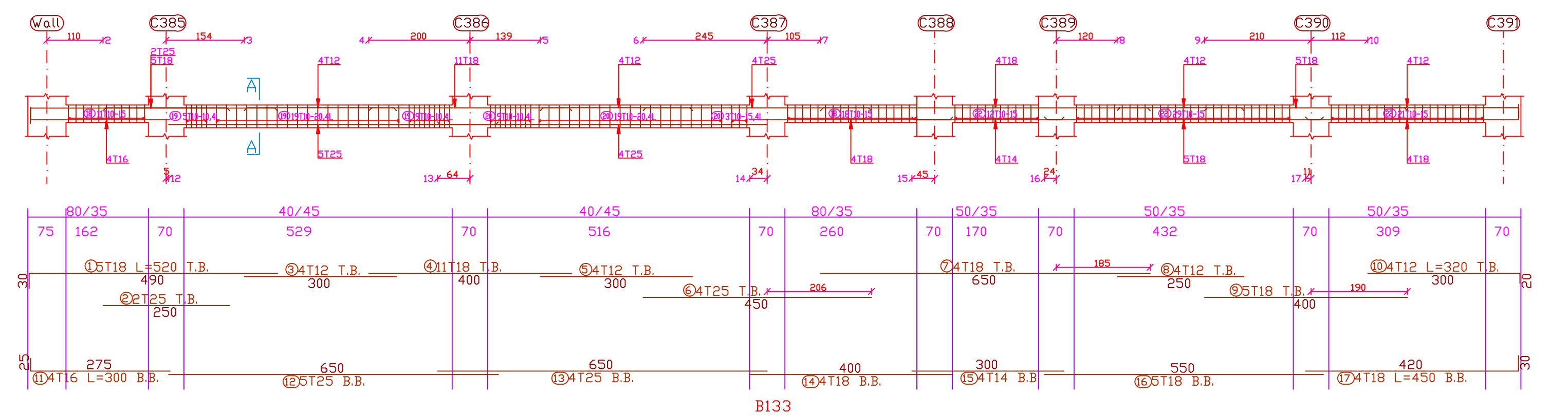
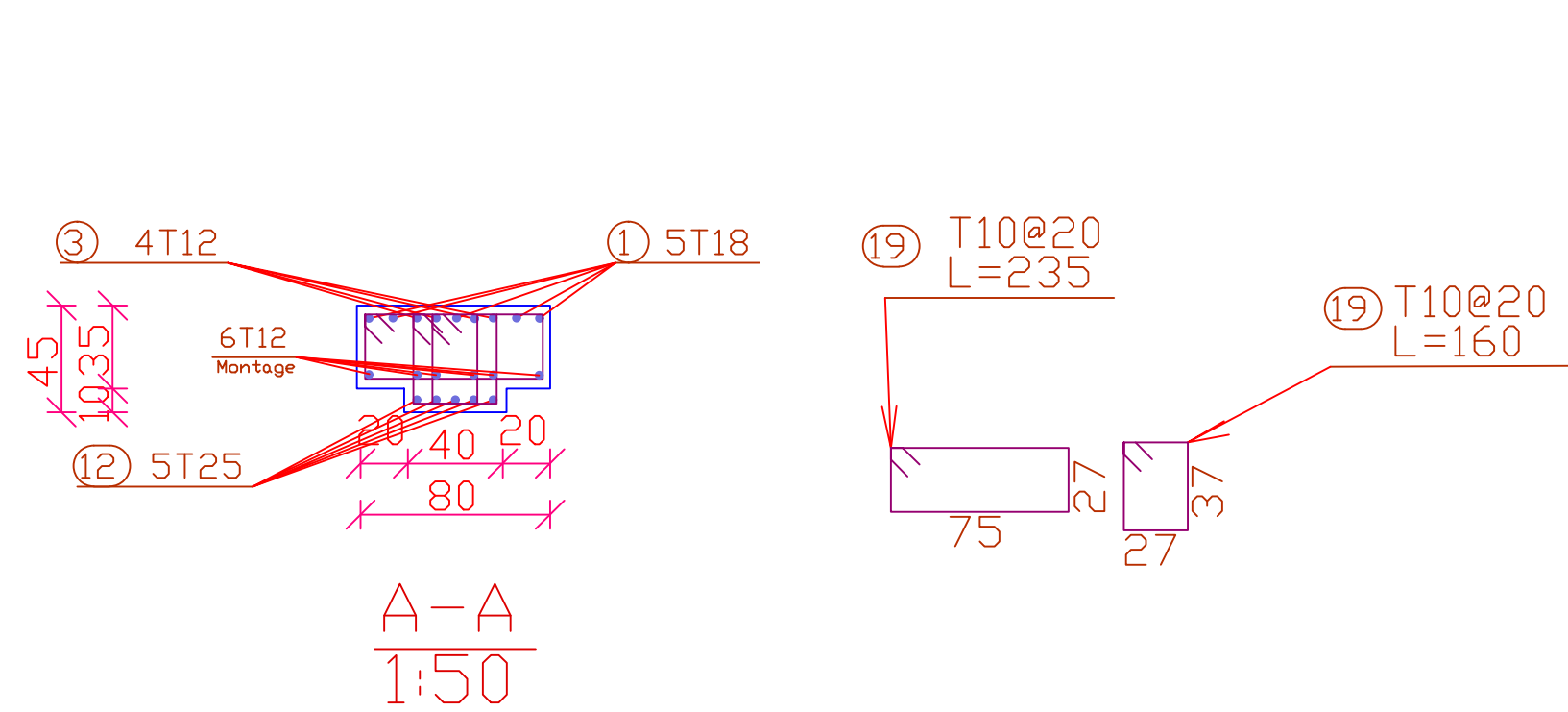
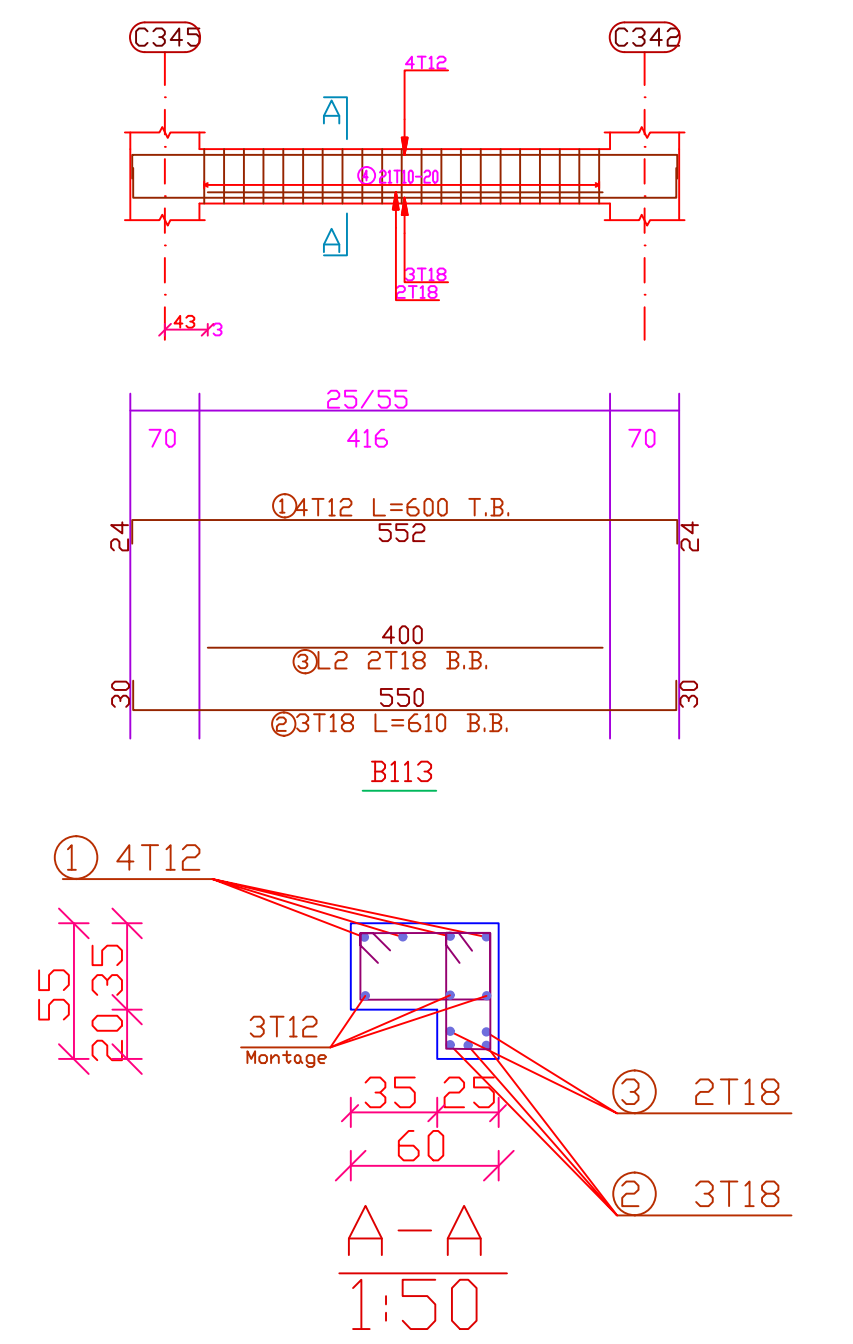
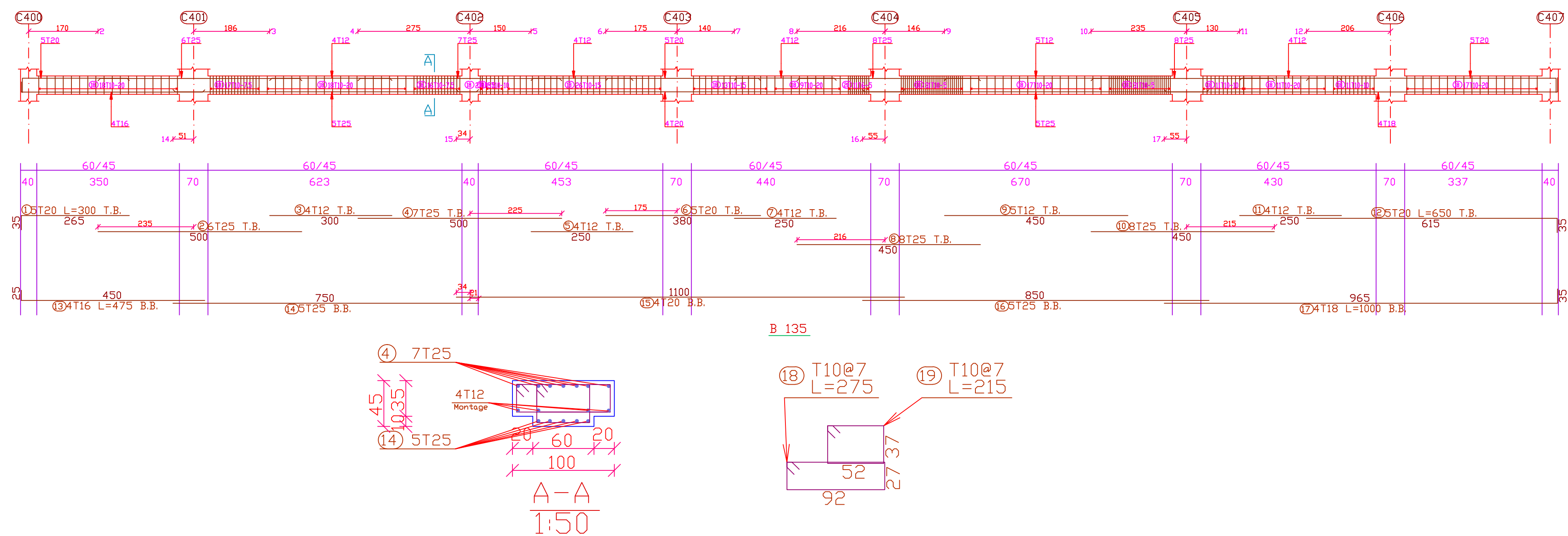
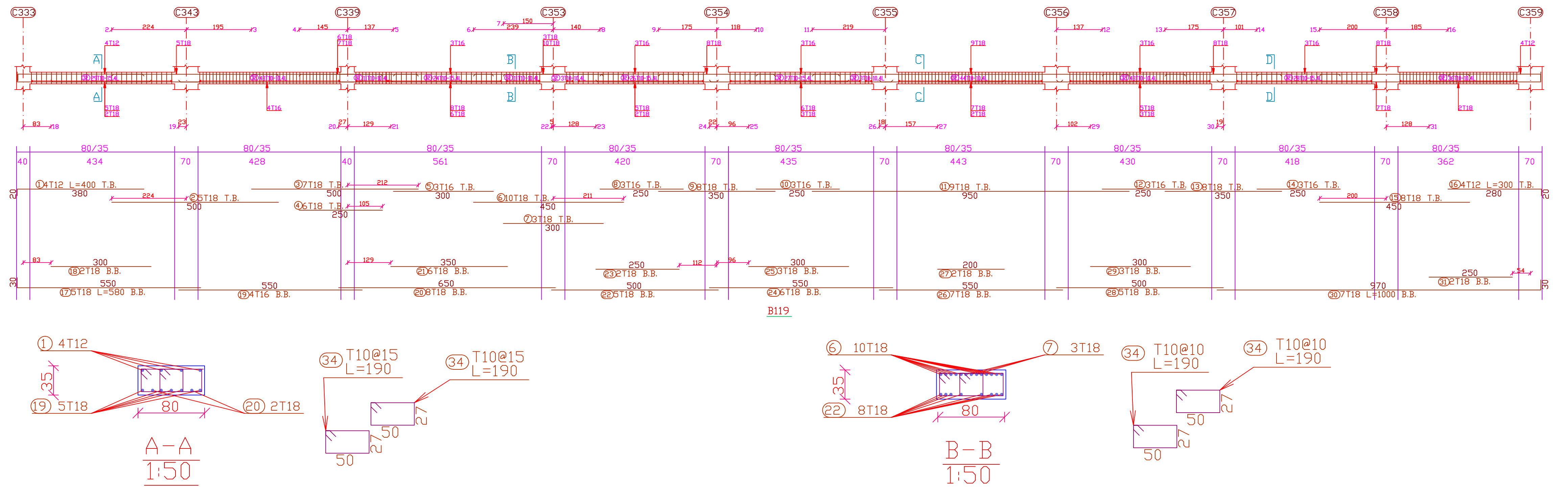
Supervisors :
Eng.Hamdi Idaes

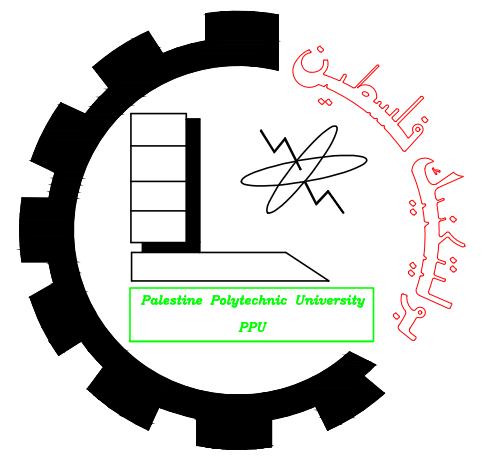
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
1st Floor Beams

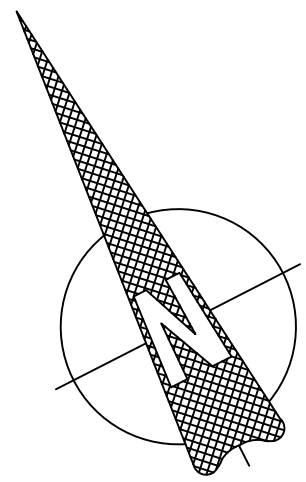
Scale:
(1:150)

No :
S21





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

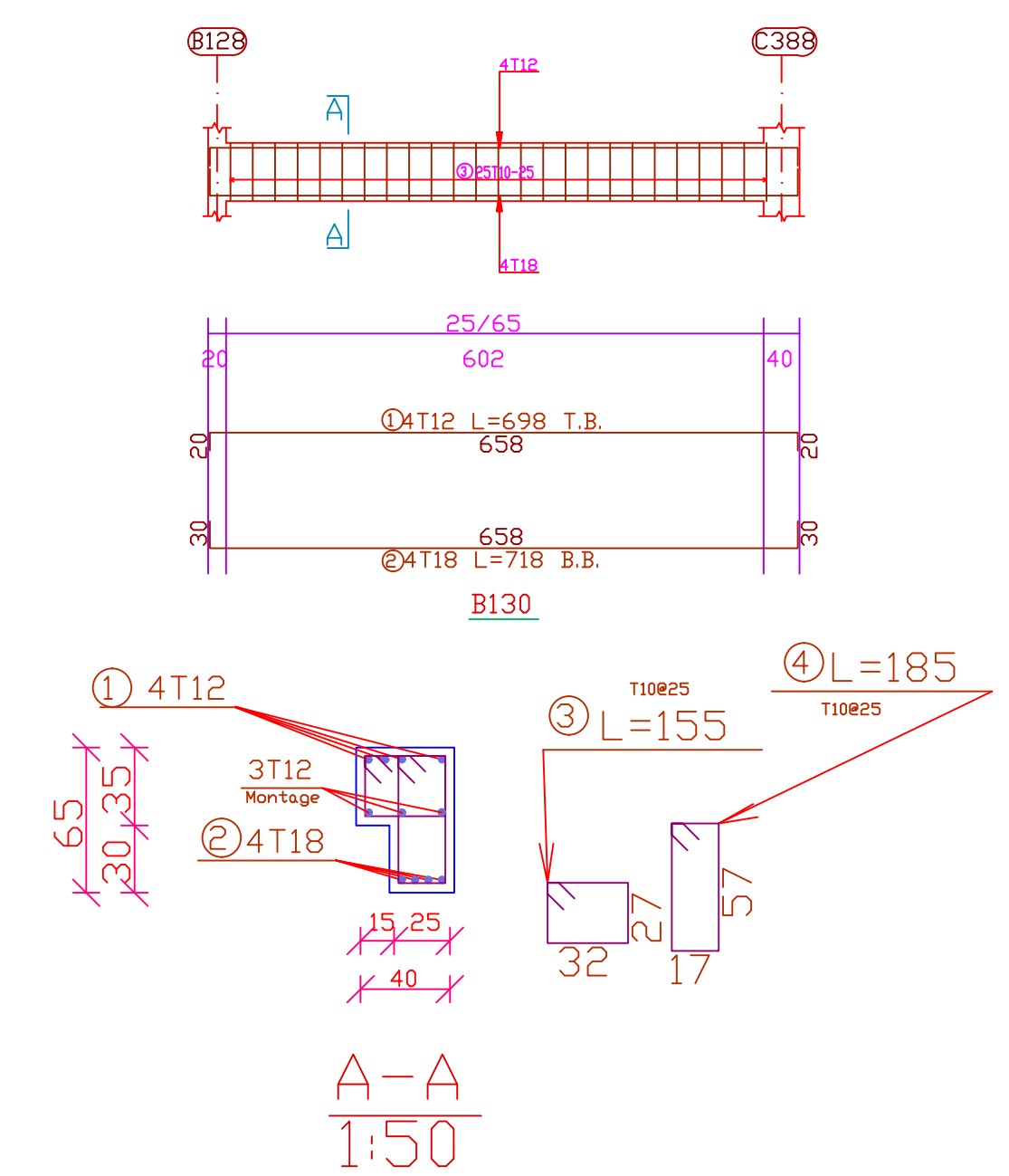
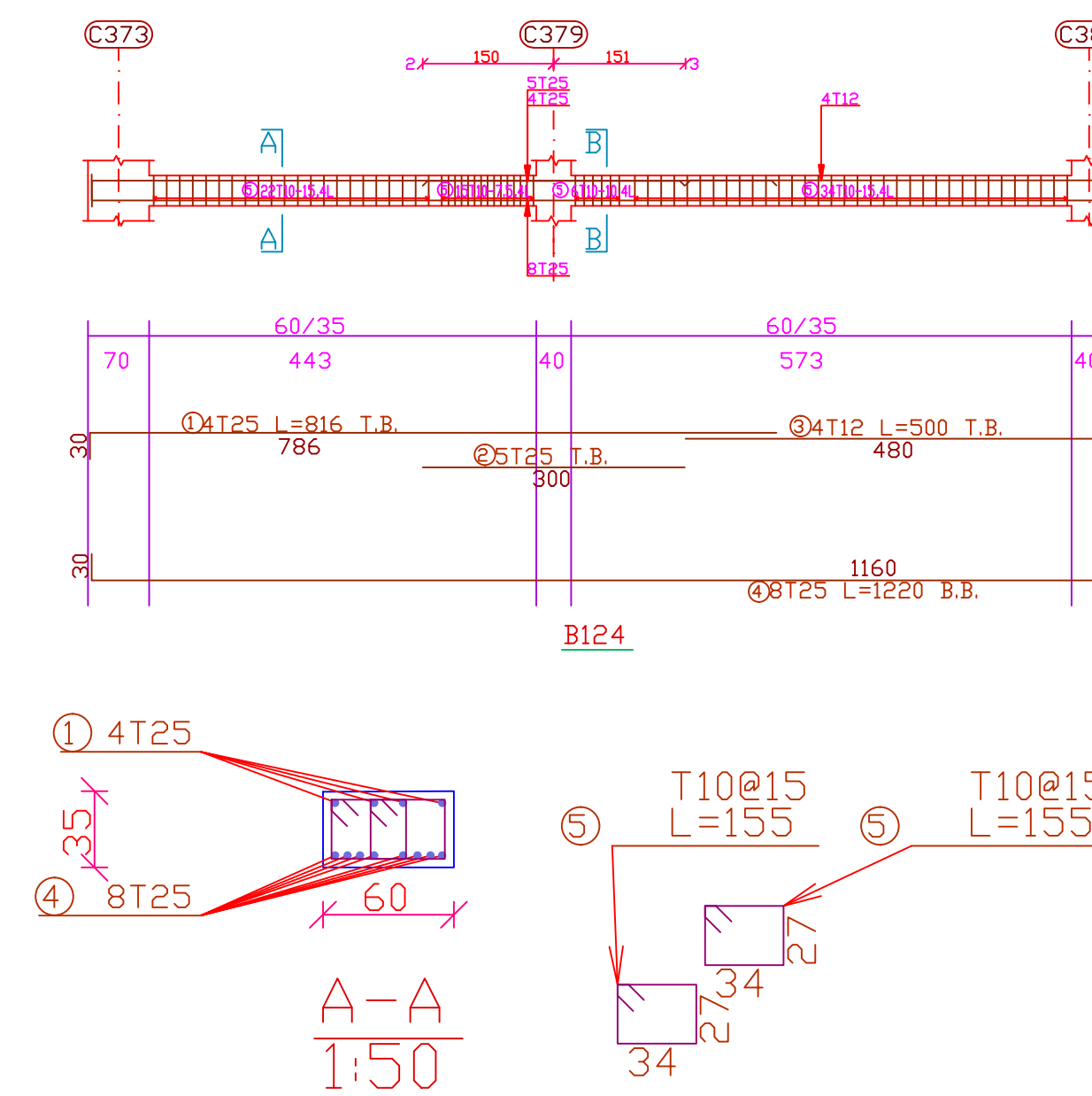
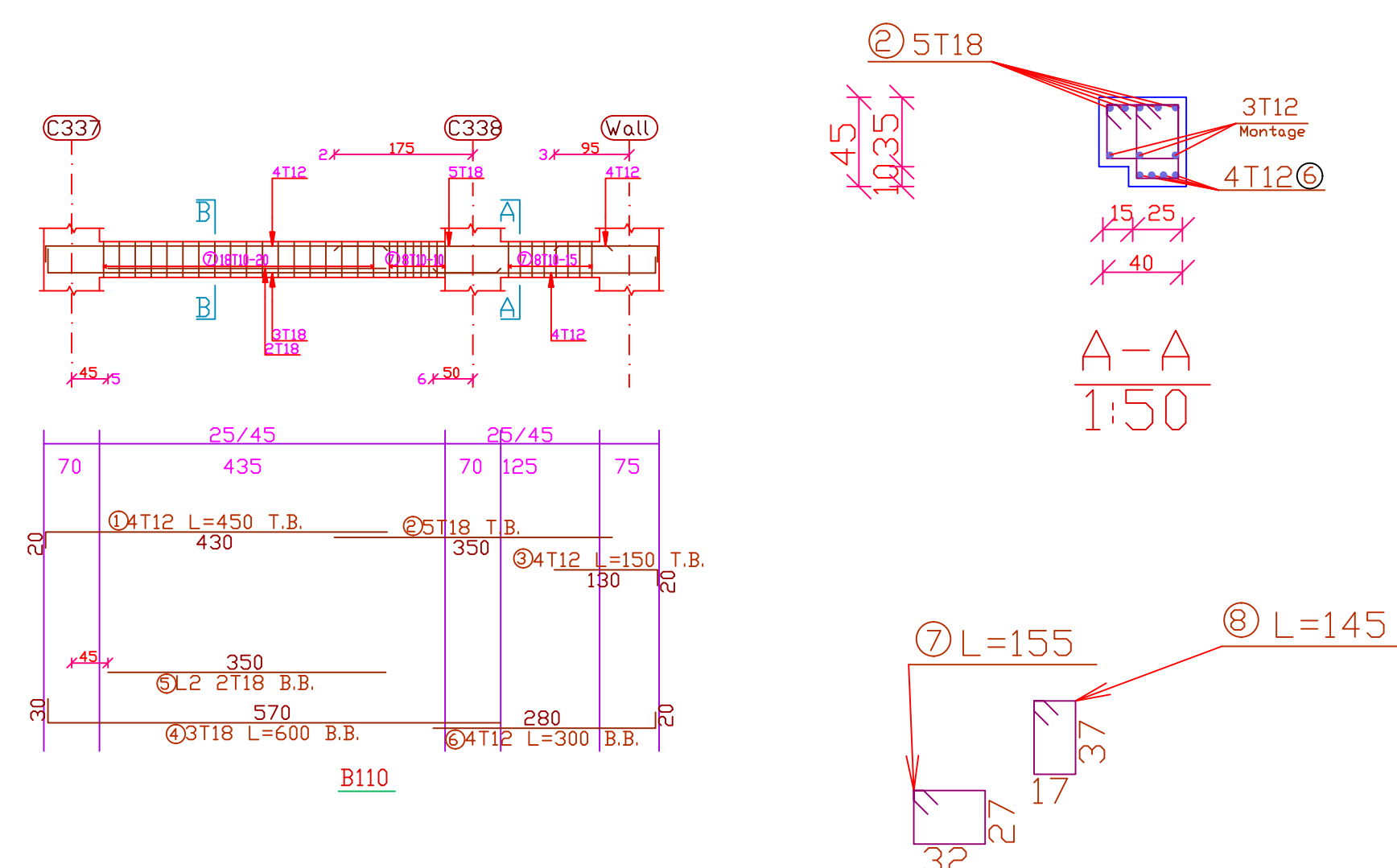
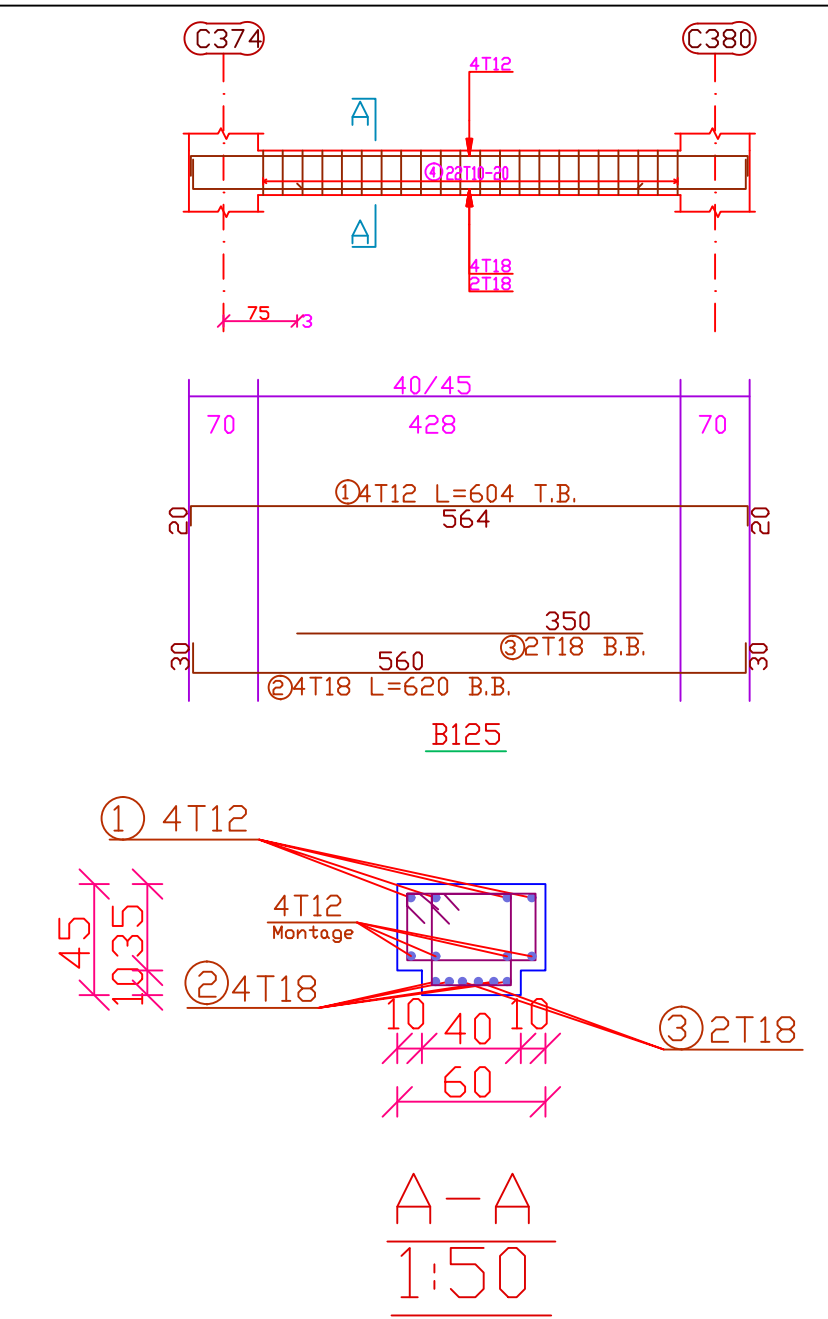
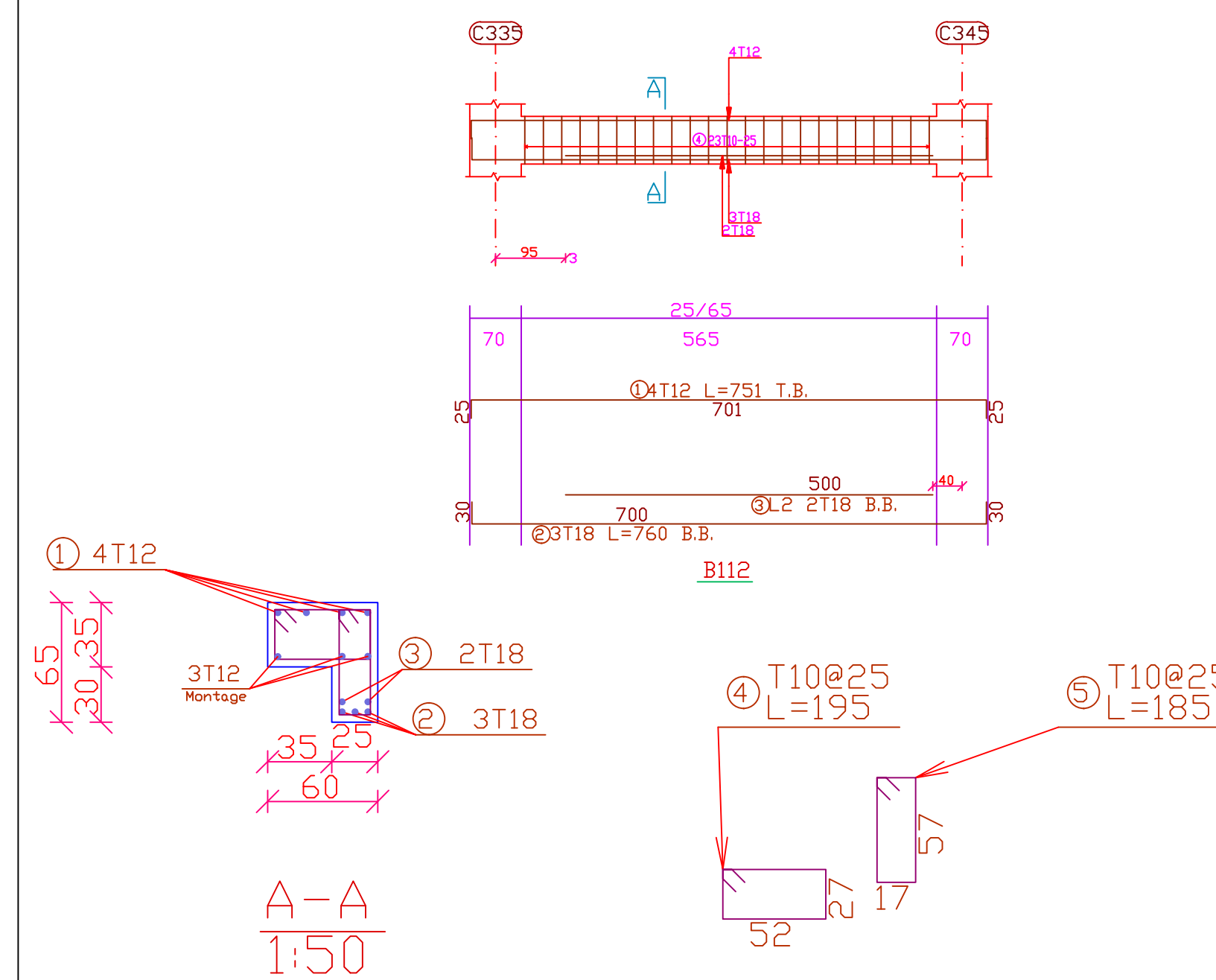
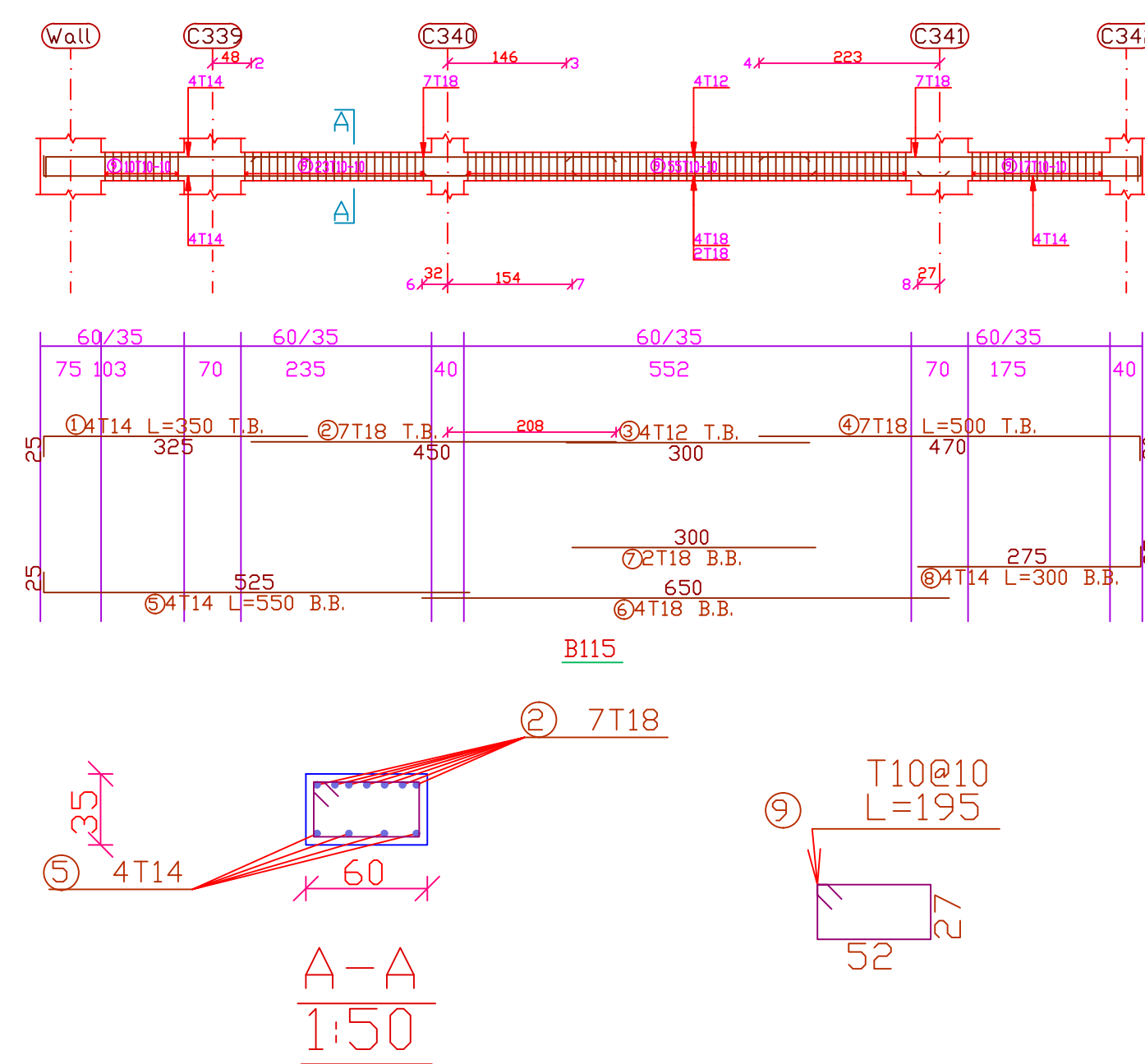
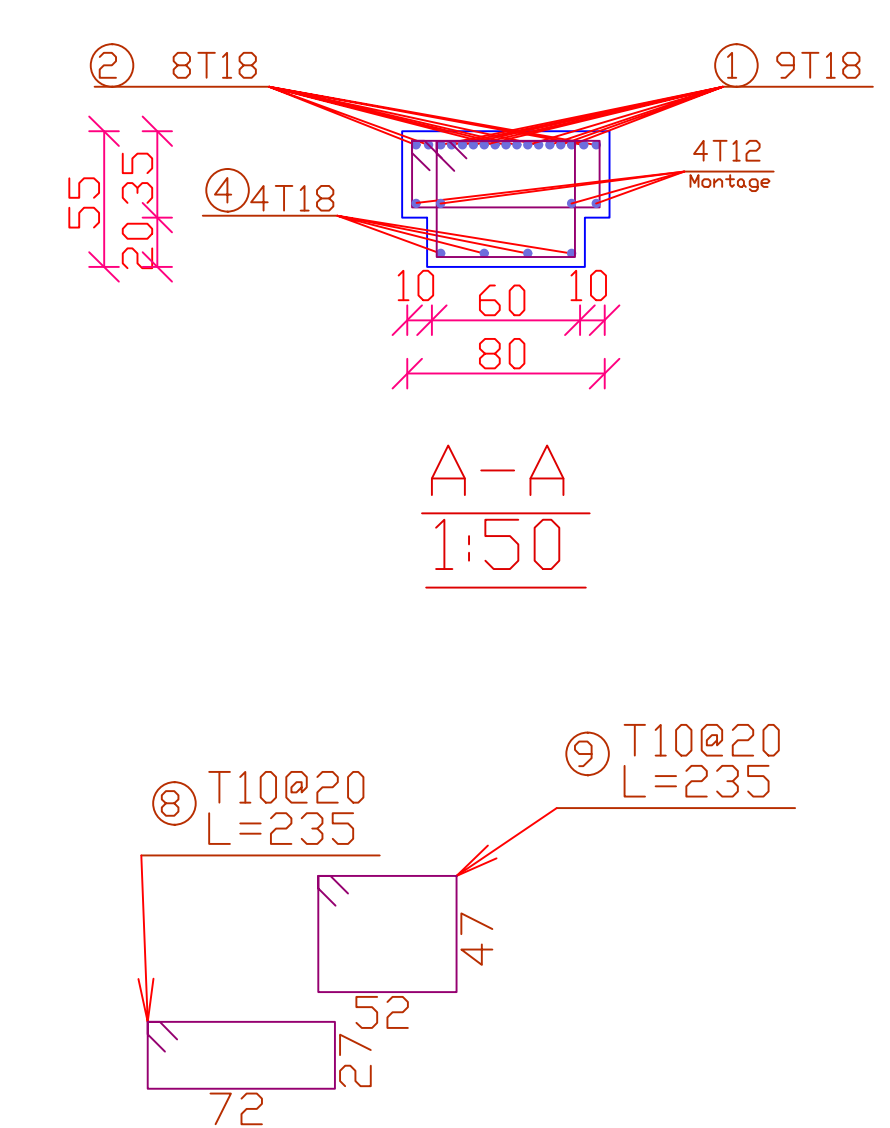
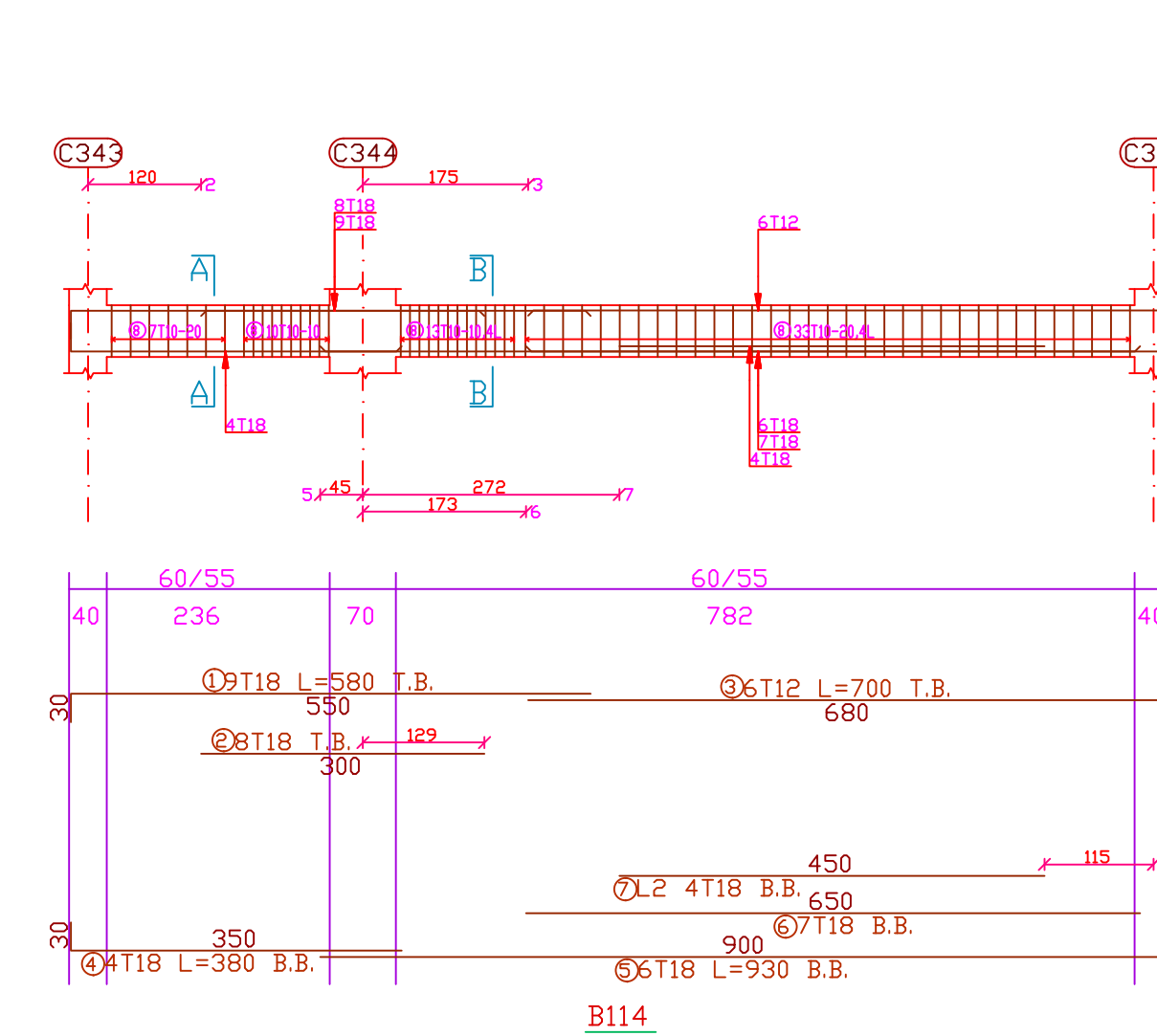
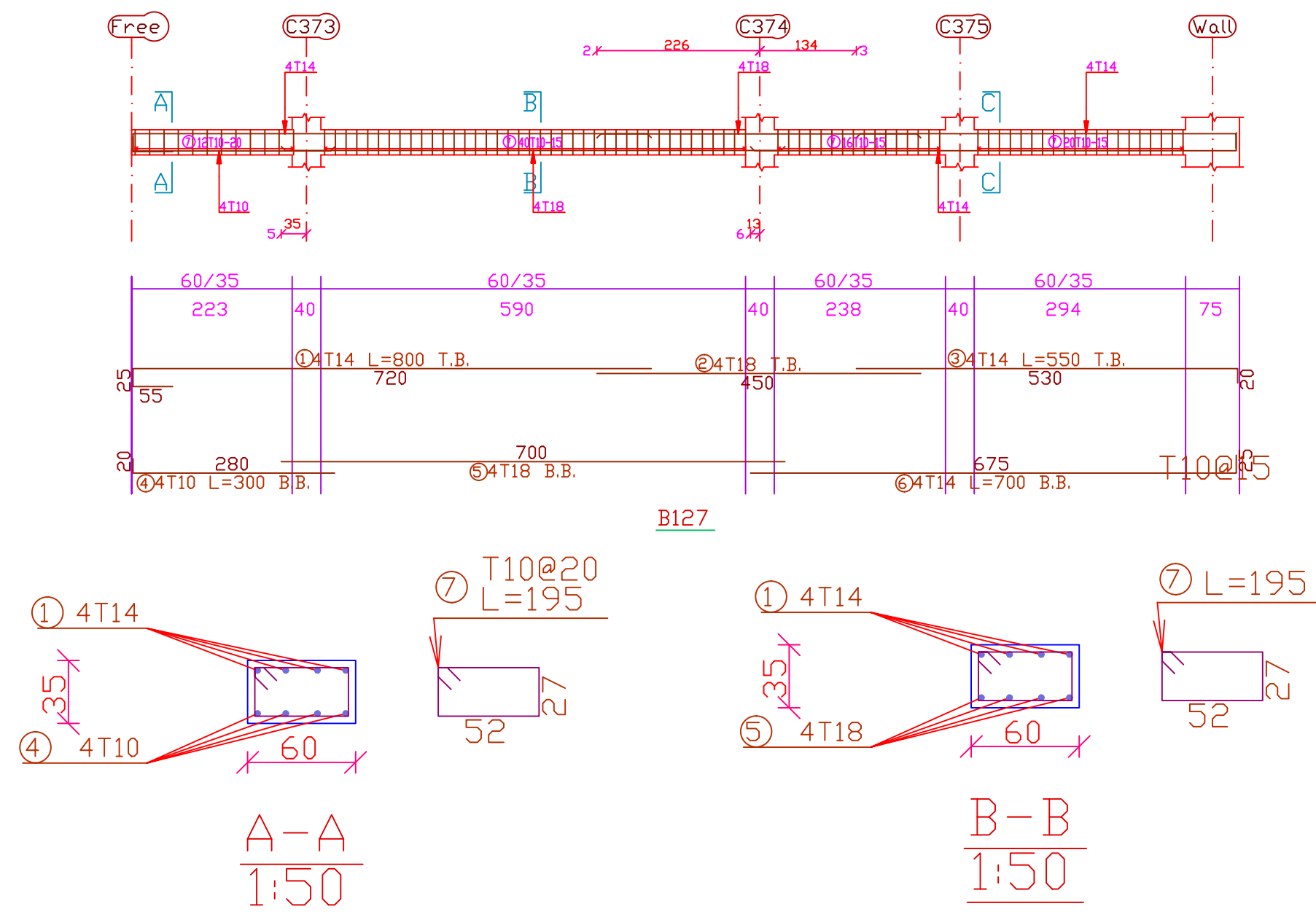
PPU
Graduation Project

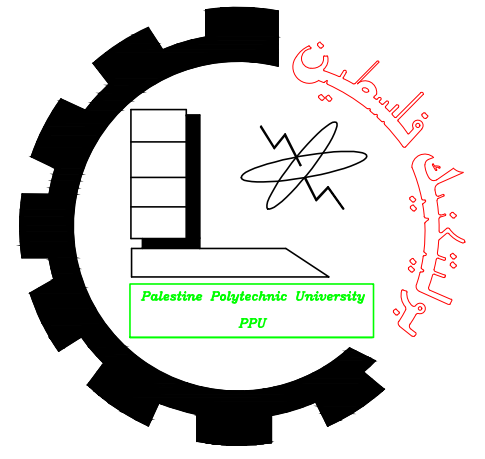
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

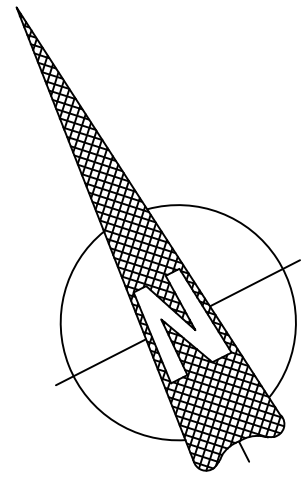
Drawing Contains:
1st Floor Beams

| | |
|---------------------|-------------|
| Scale: (1:150) | No : S22 |
|---------------------|-------------|





Palestine Polytechnic University
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civil and Architecture department
Civil Engineering



Surface Area Slab Thickness

— — cm

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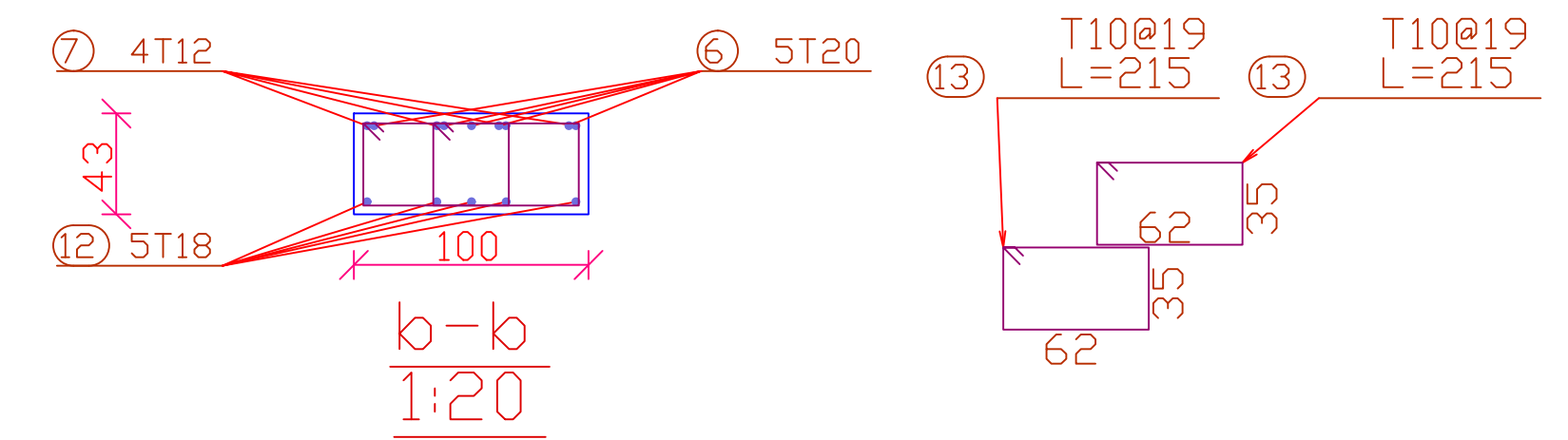
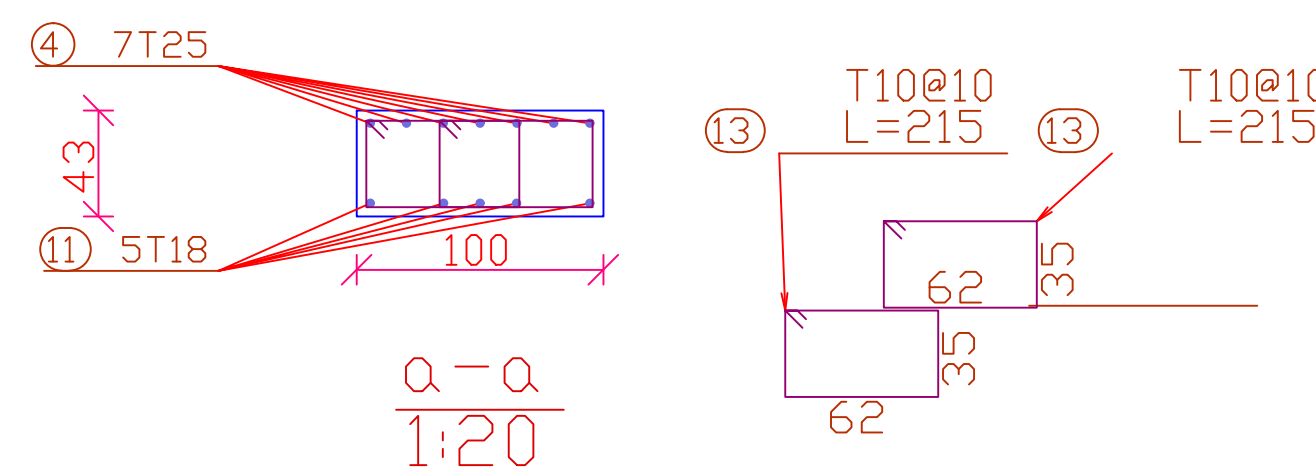
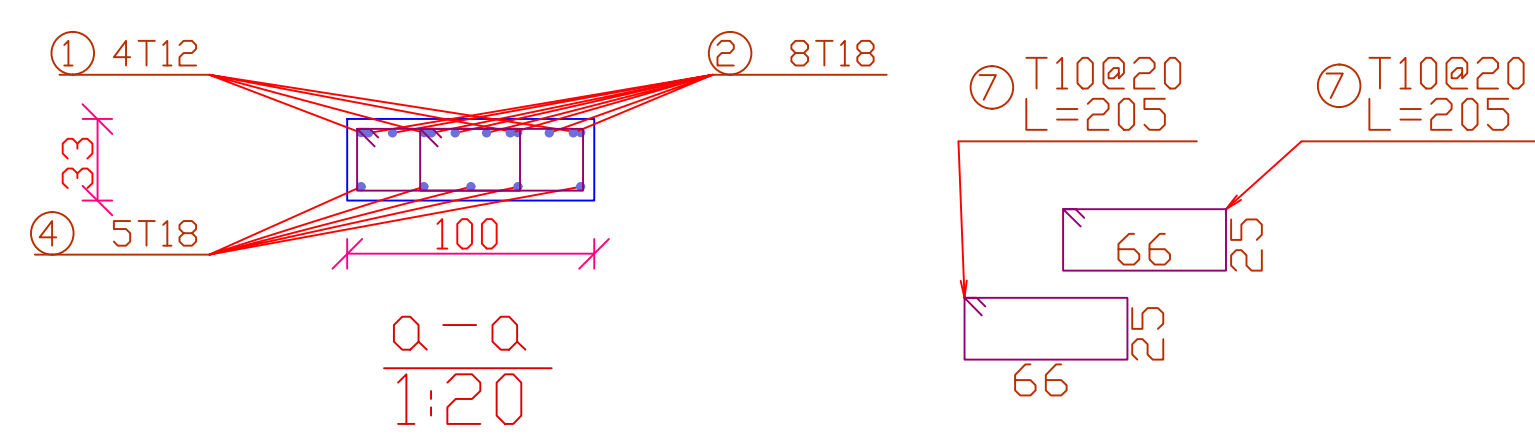
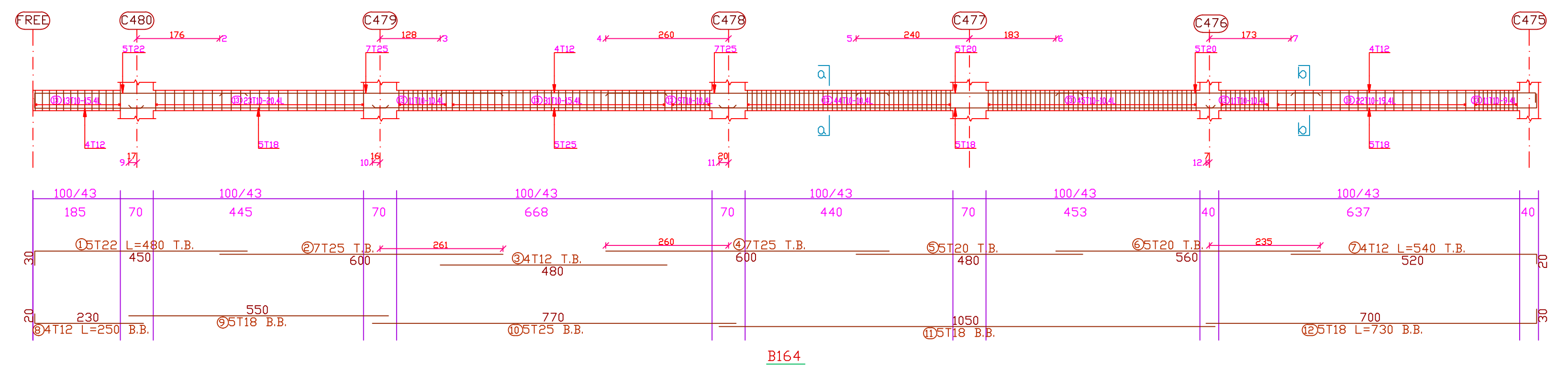
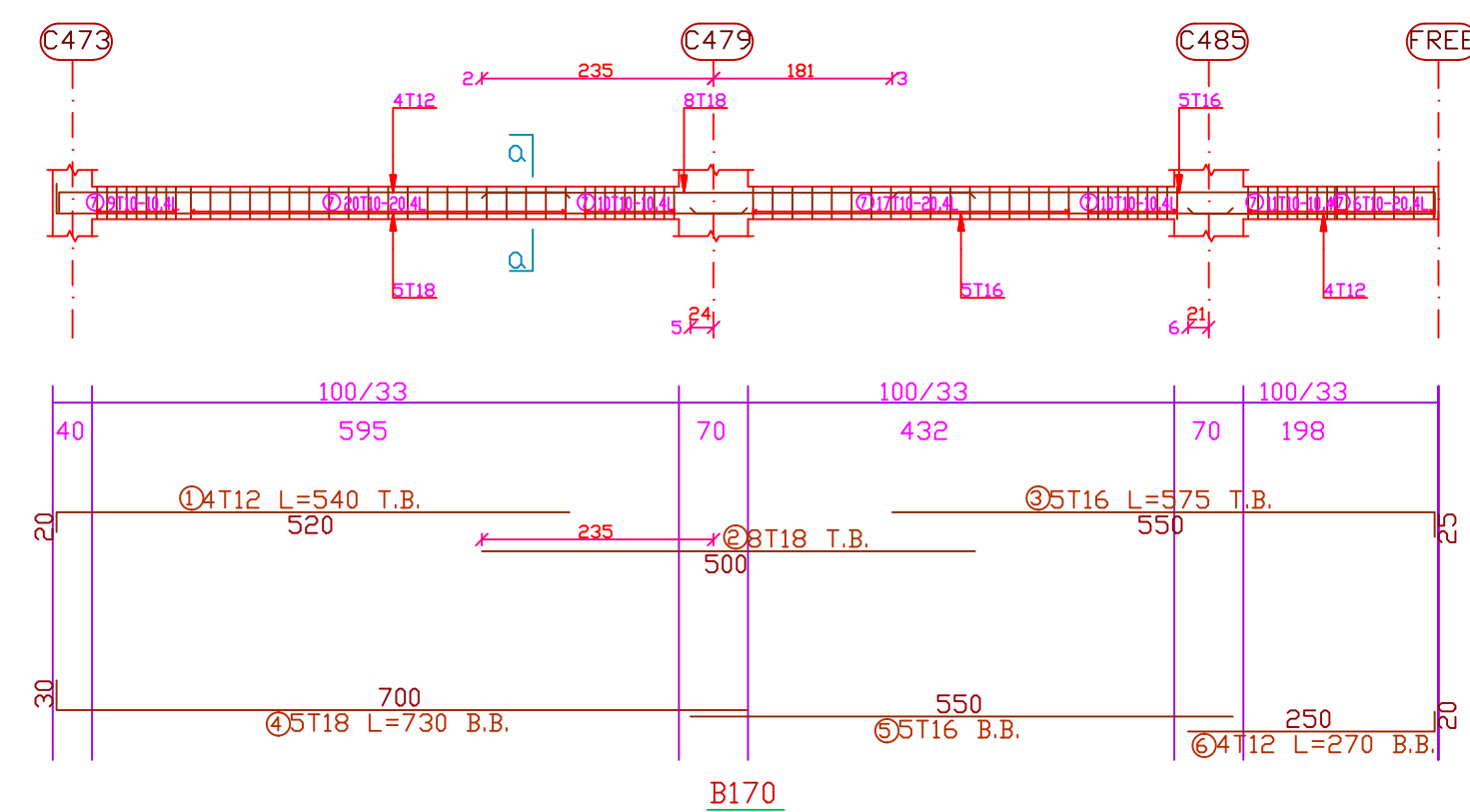
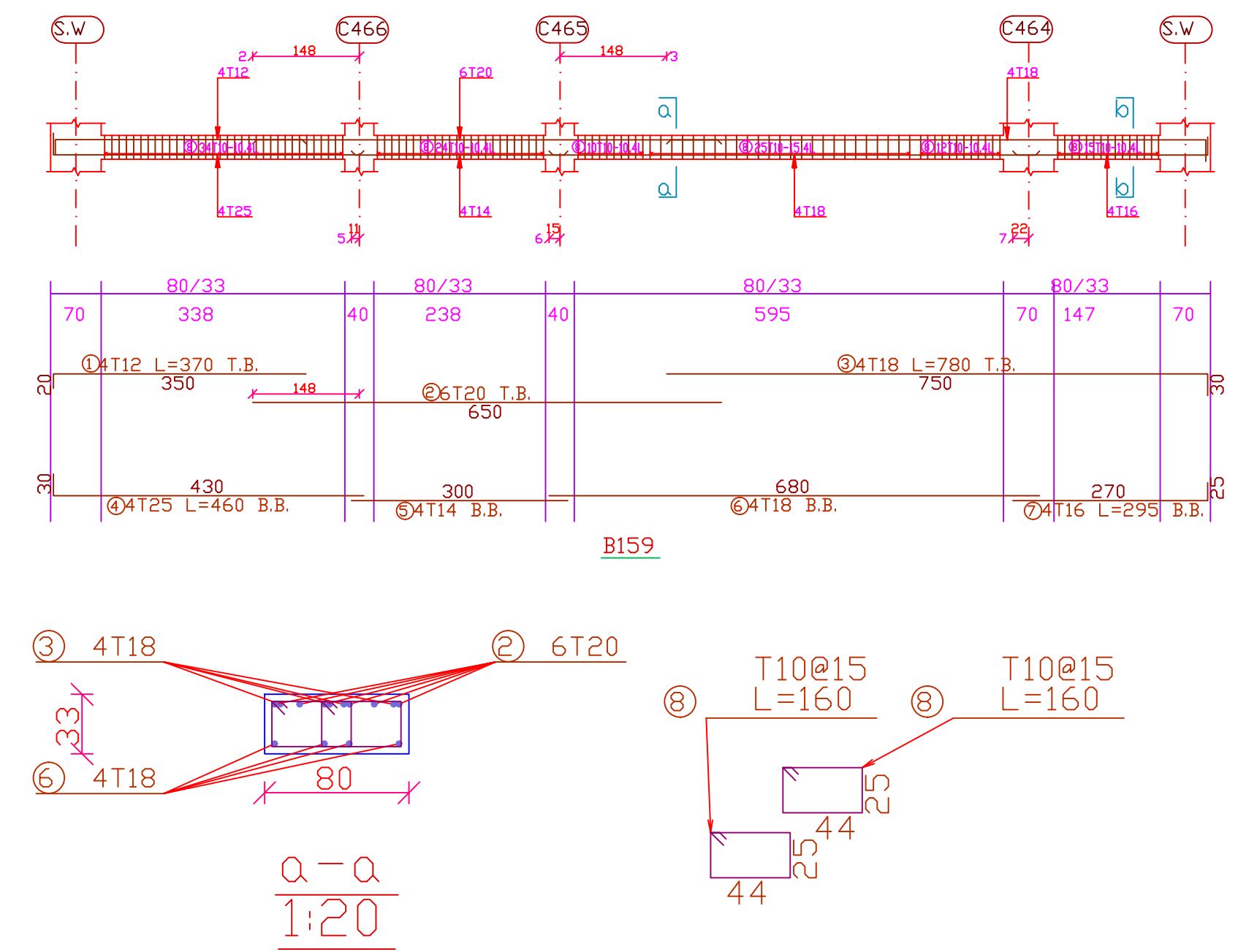
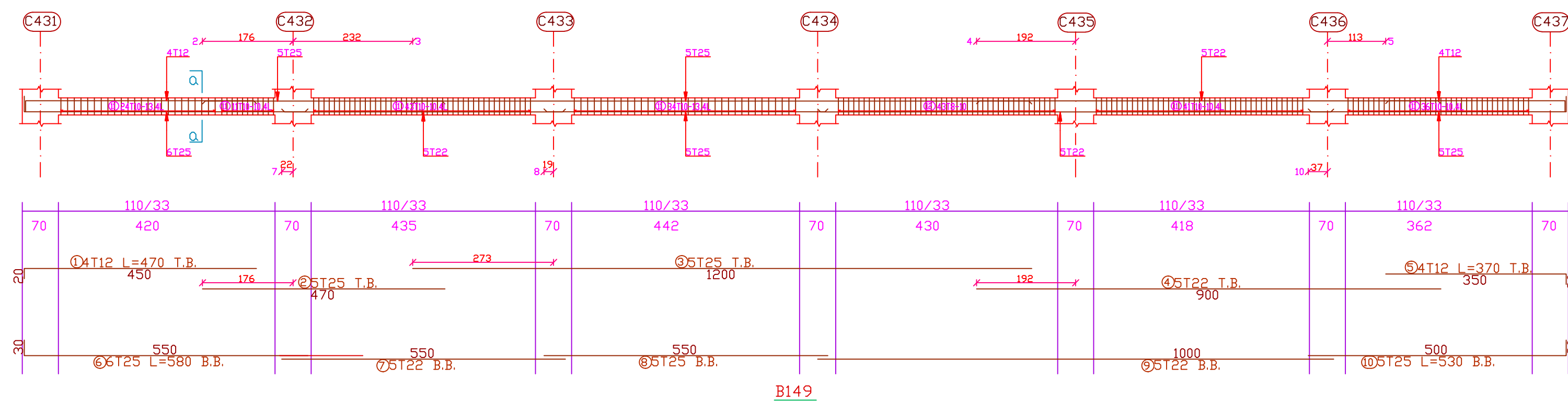
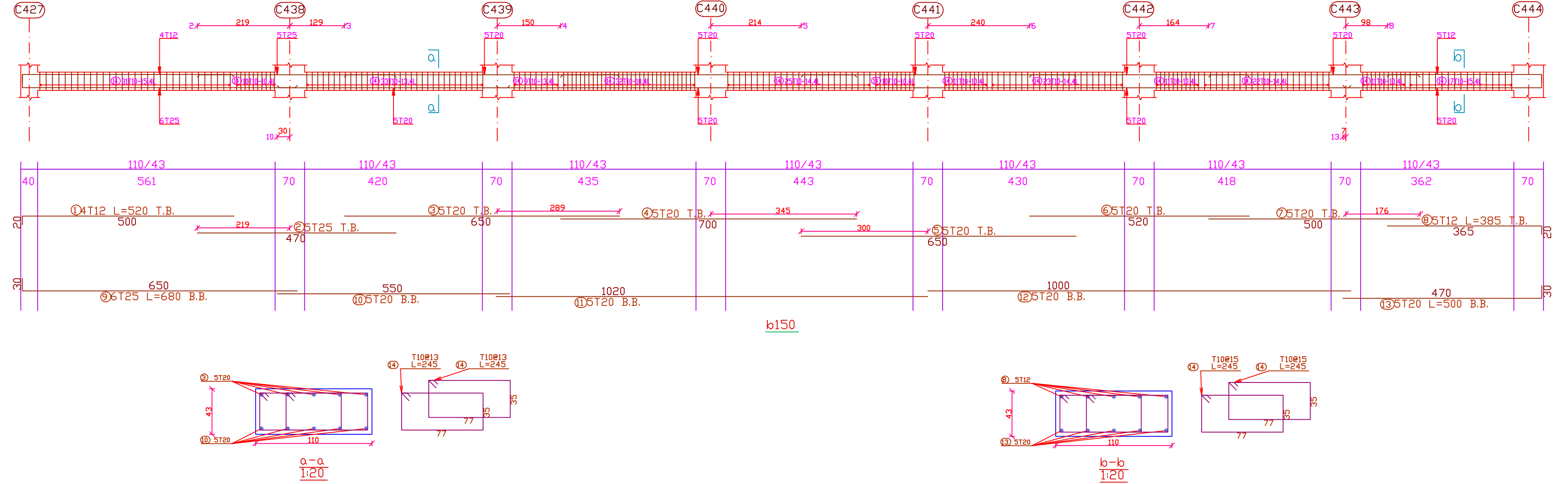
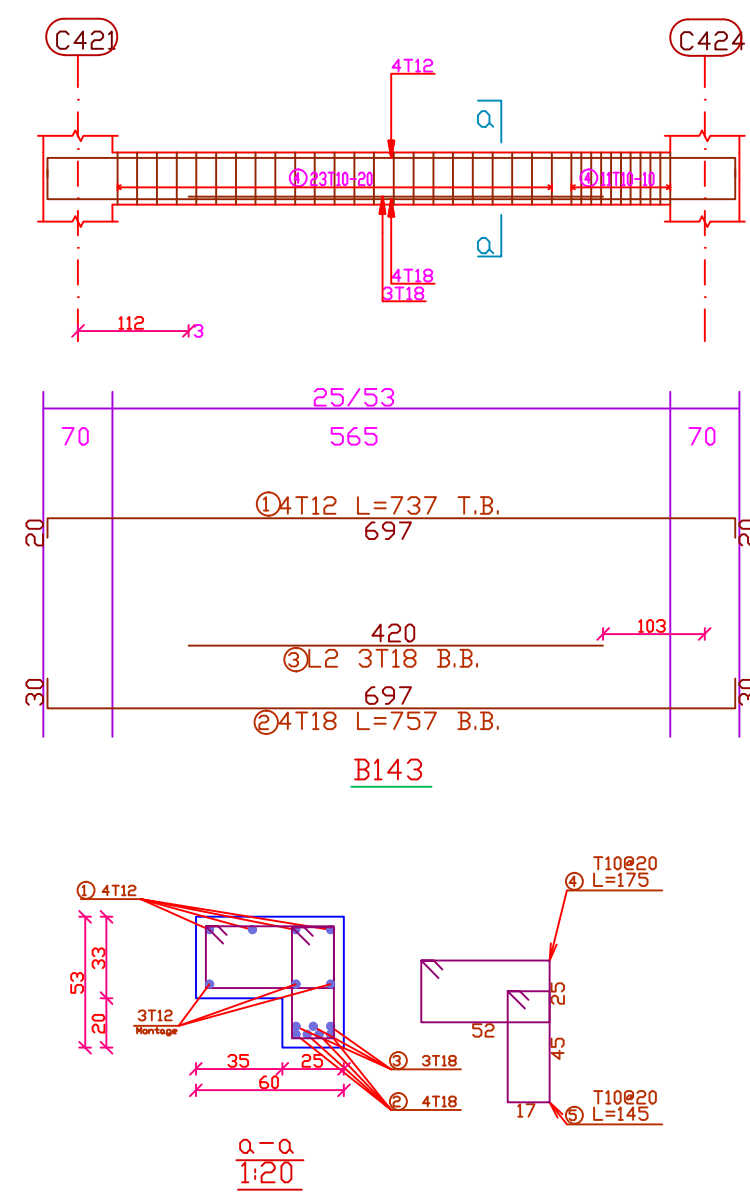
Supervisors :
Eng.Hamdi Idaes

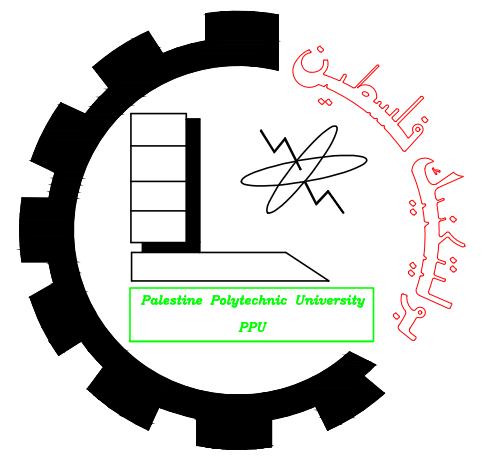
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
2nd_5th Floors Beams

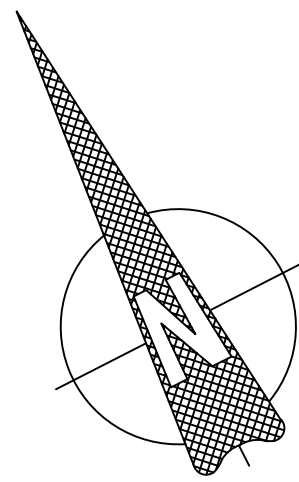
Scale:
(1:150)

No :
S23





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

Supervisors :
Eng.Hamdi Idaes

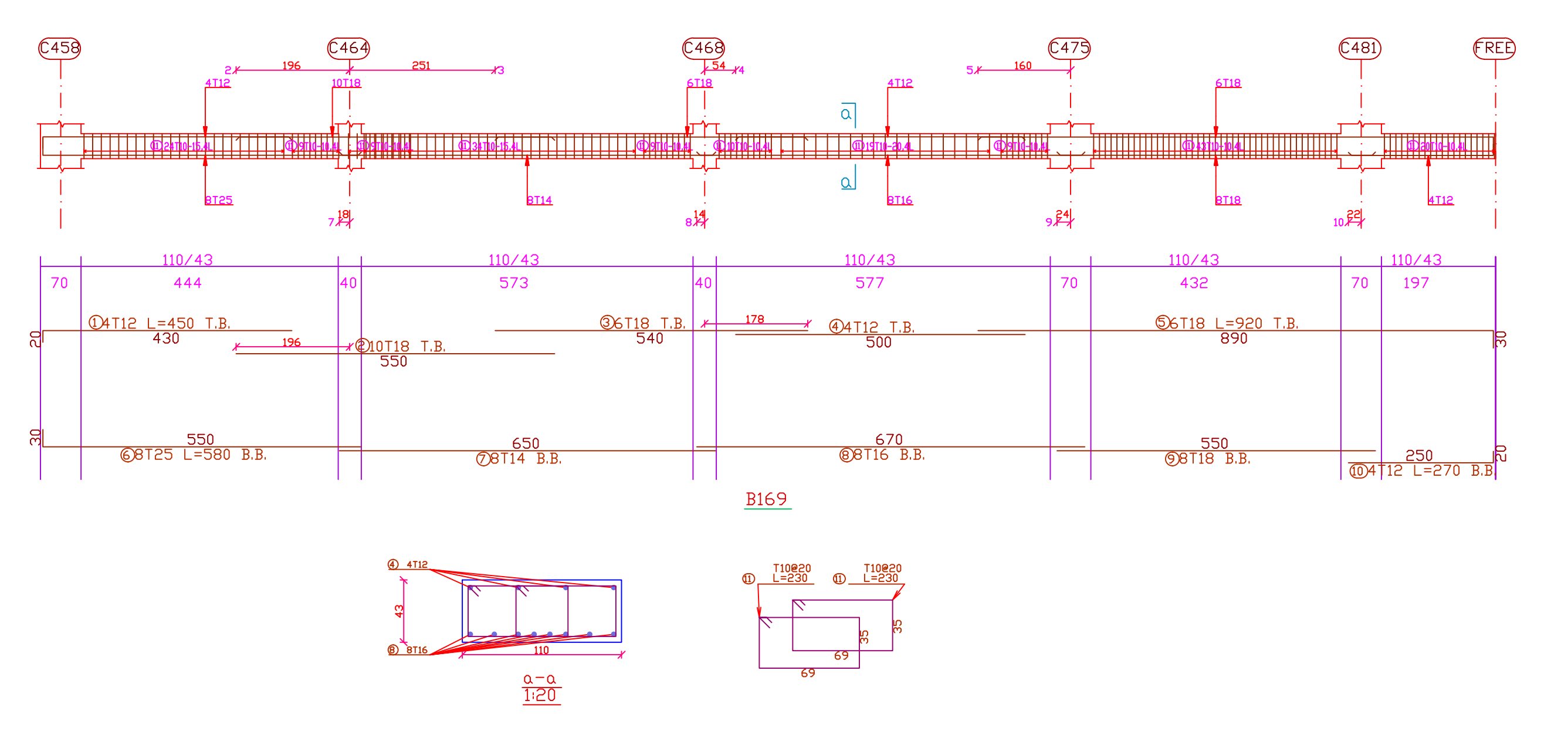
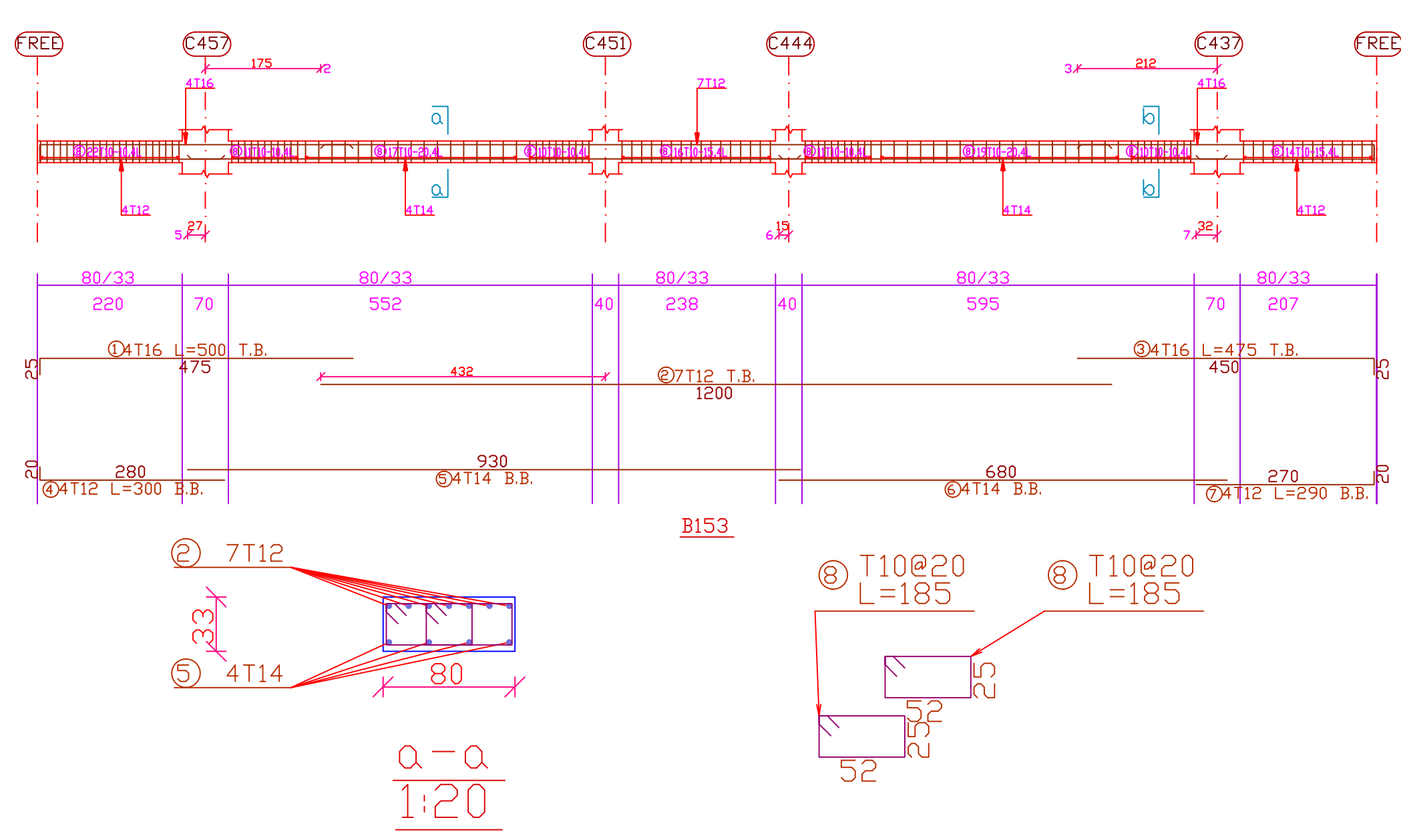
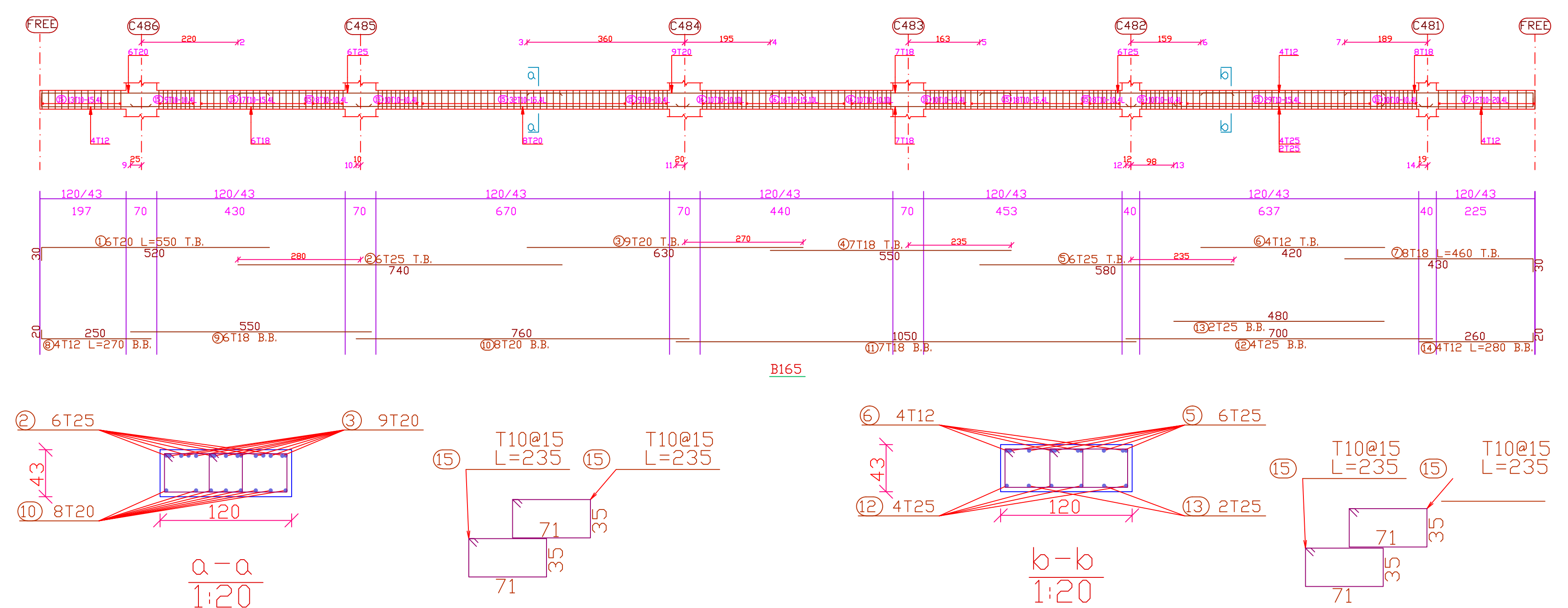
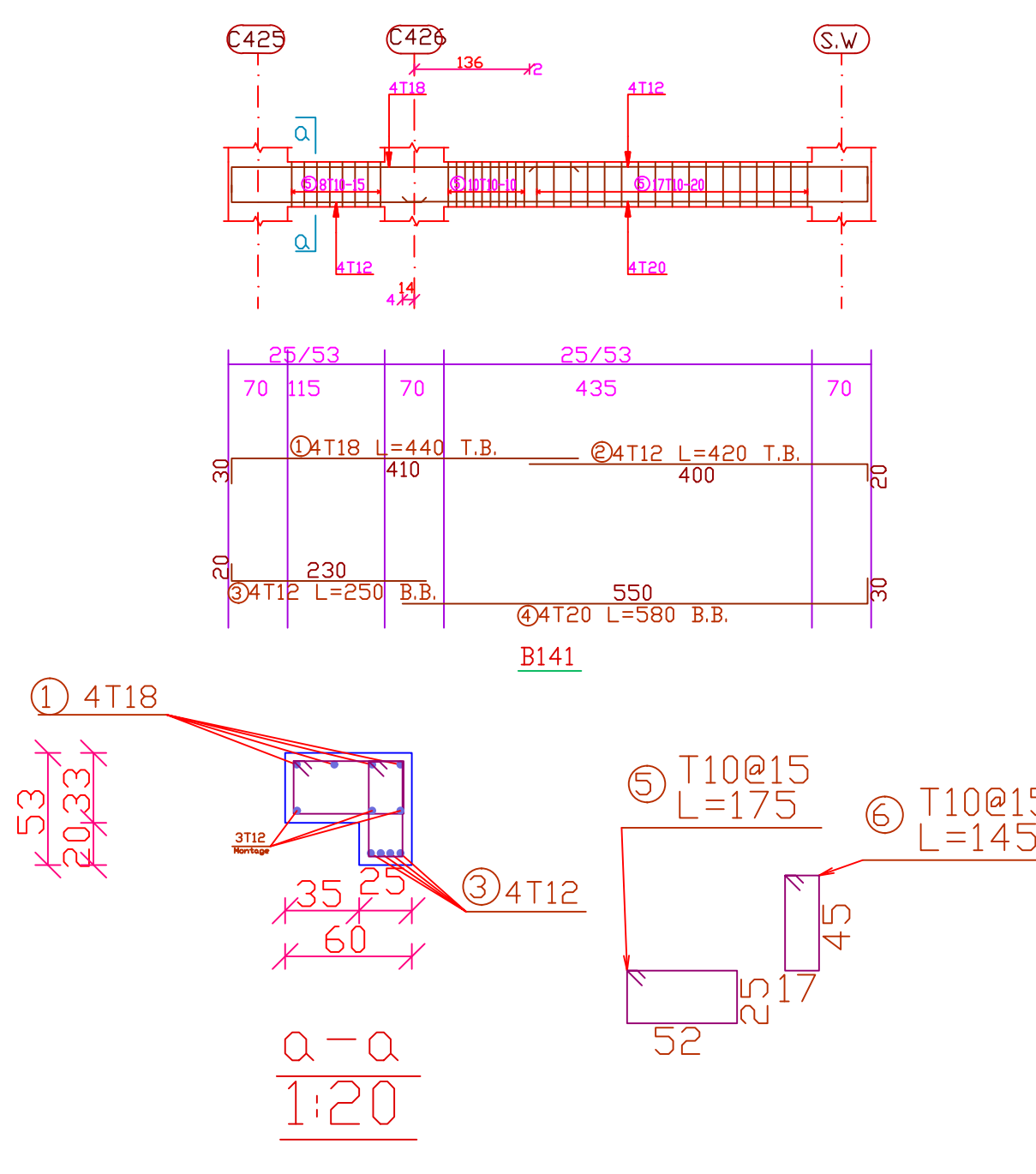
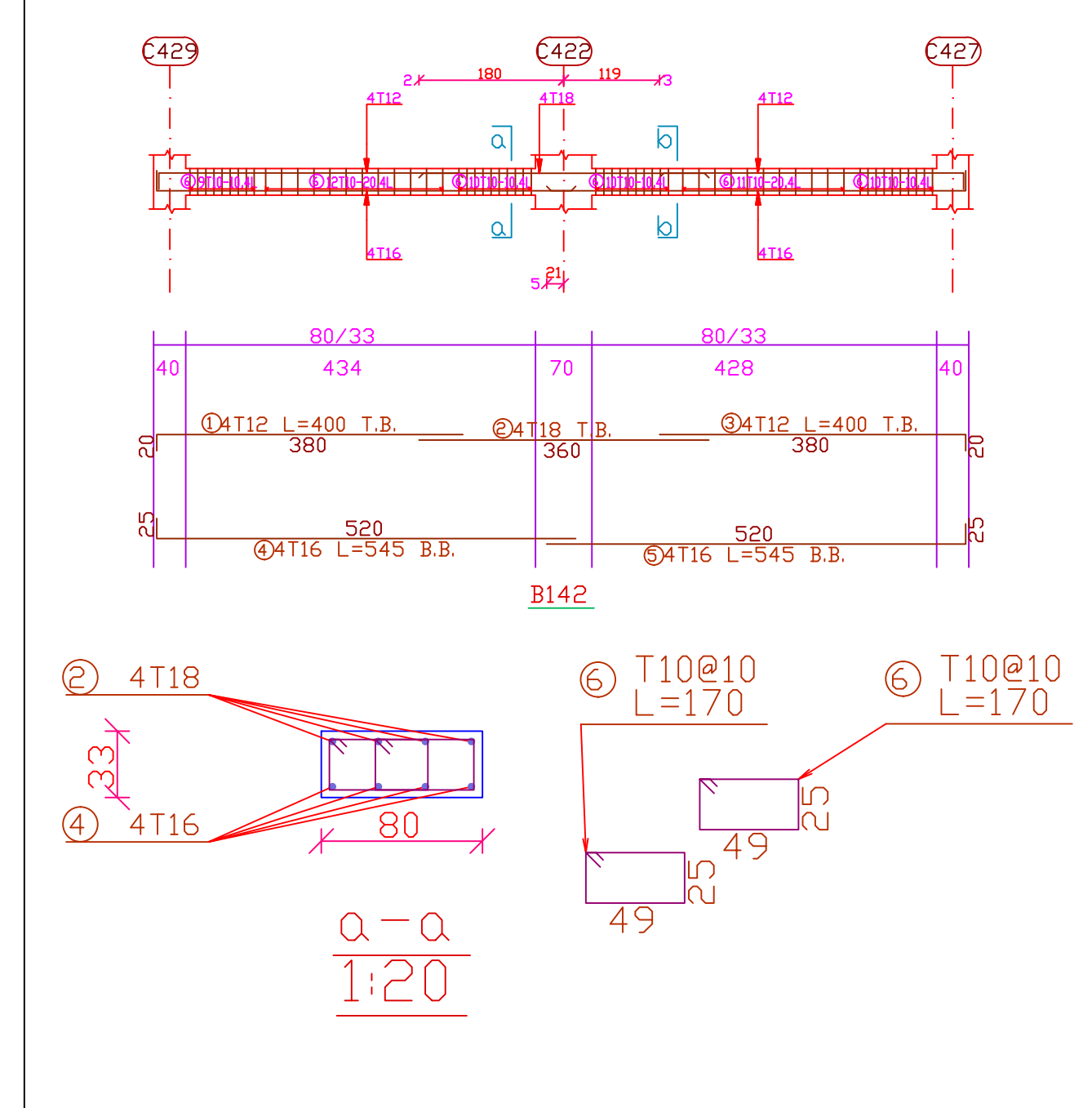
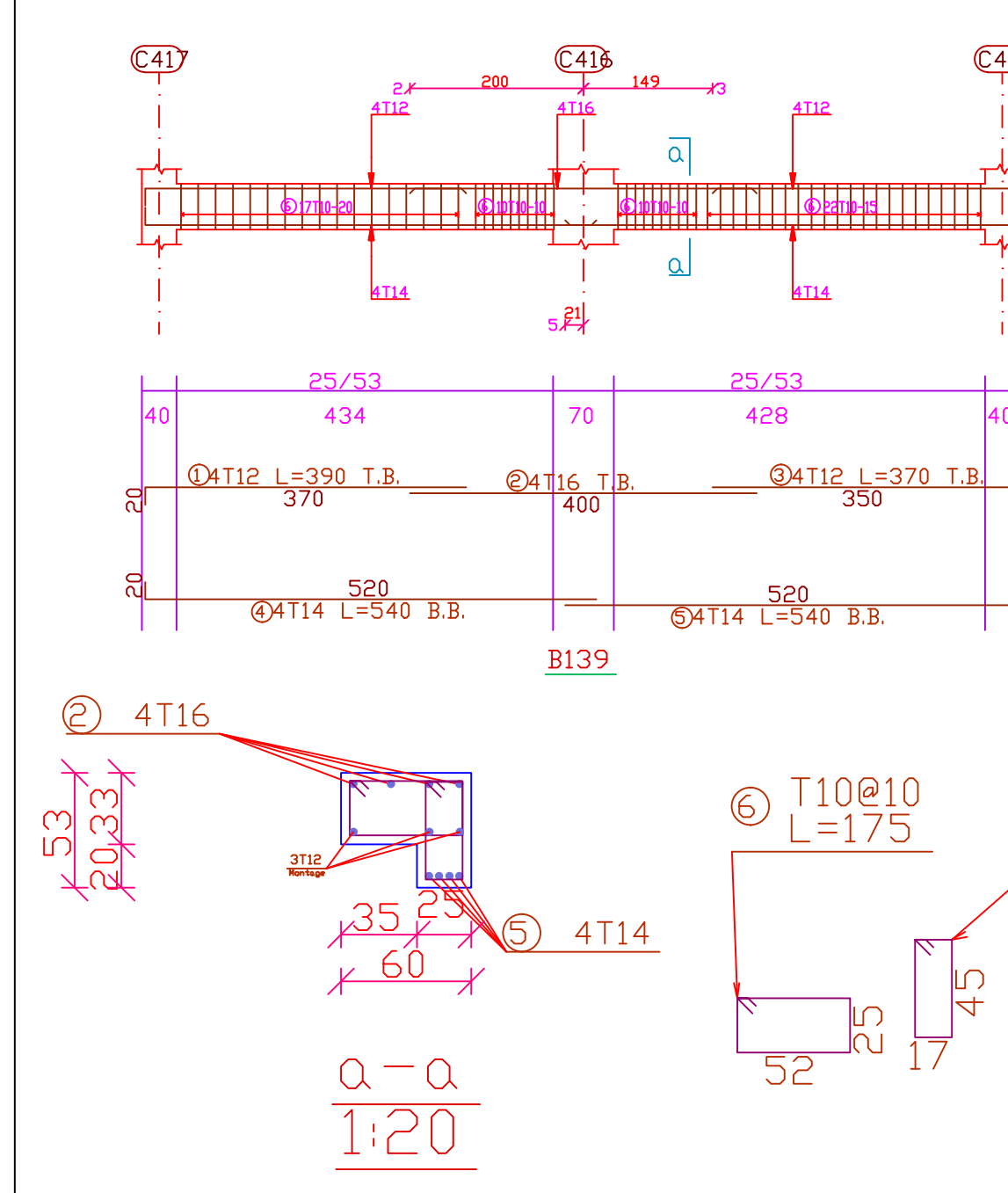
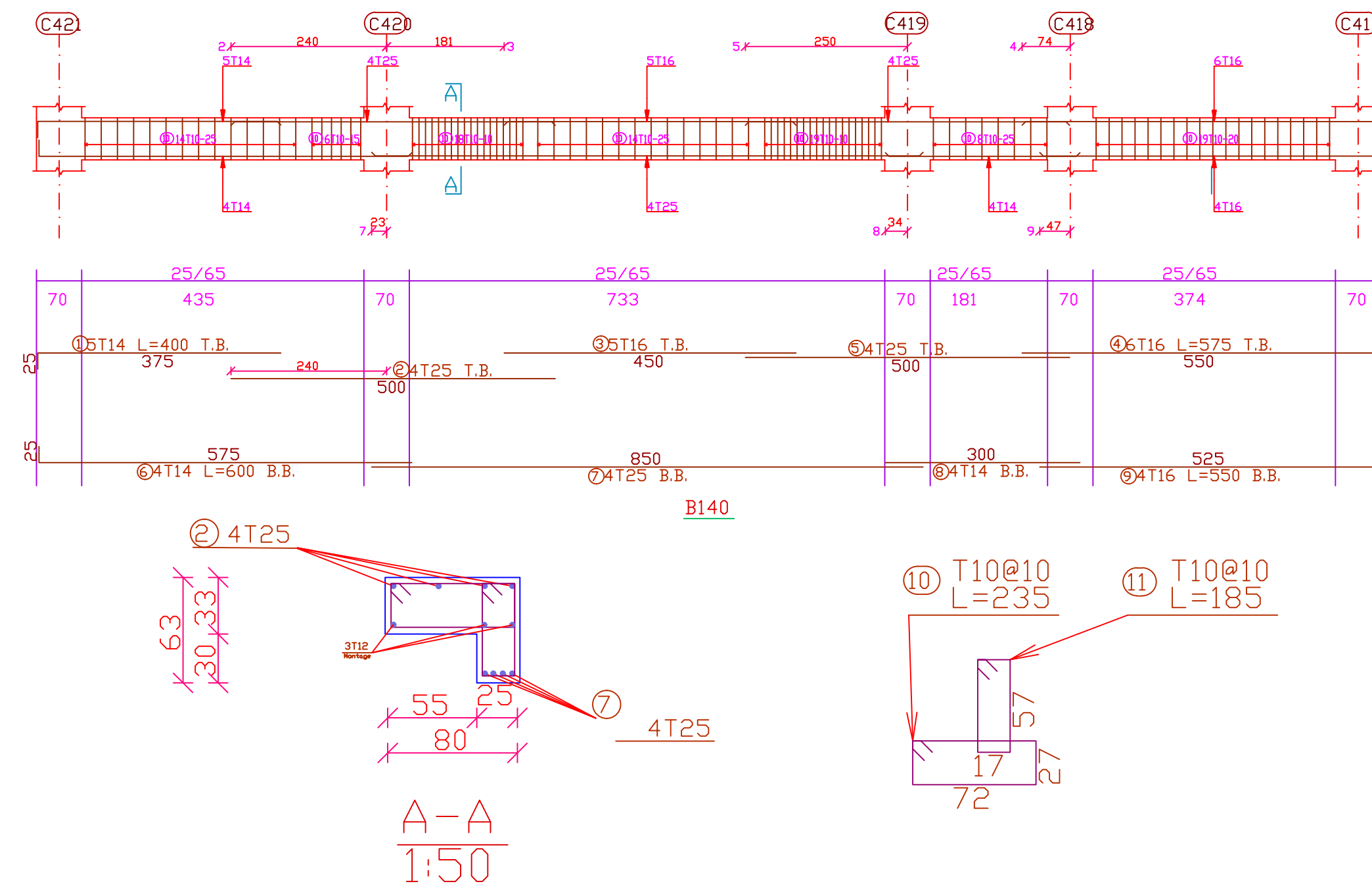
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

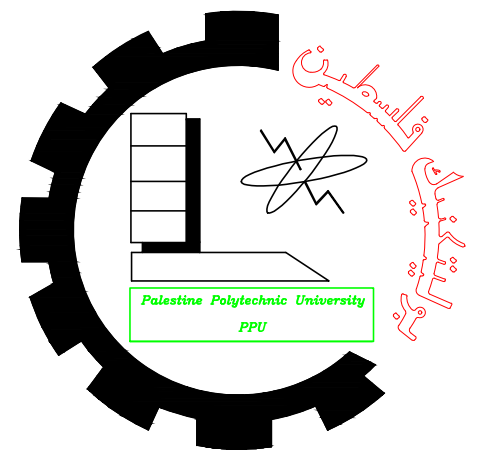
Drawing Contains:

2nd_5th Floors Beams

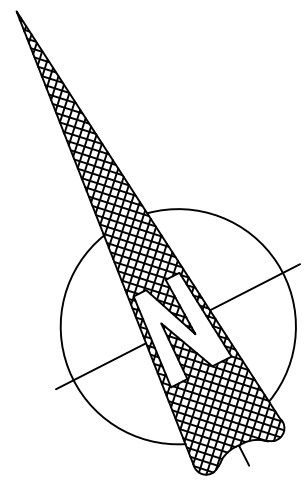
Scale:
(1:150)

No :
S24





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

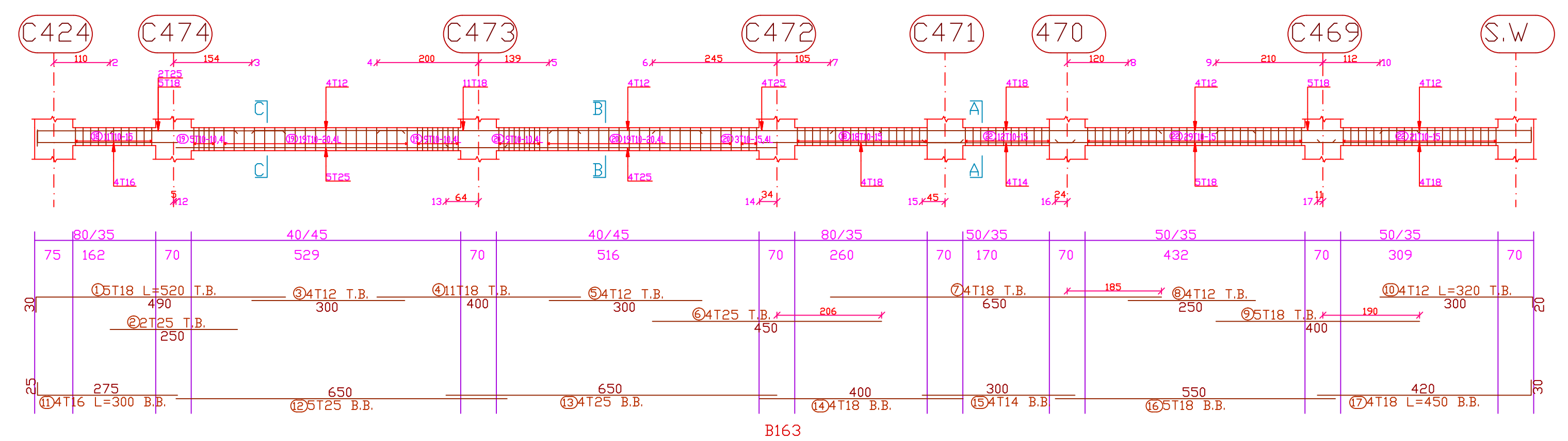
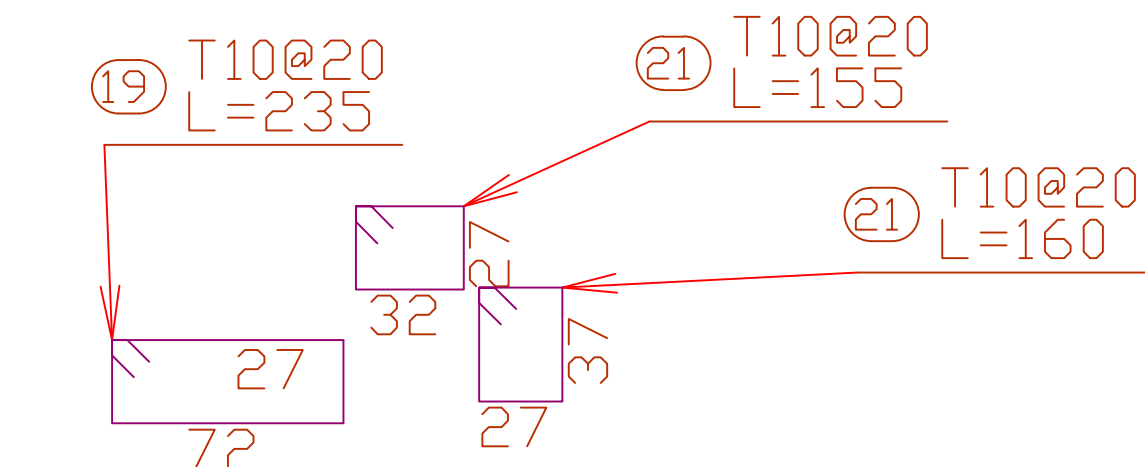
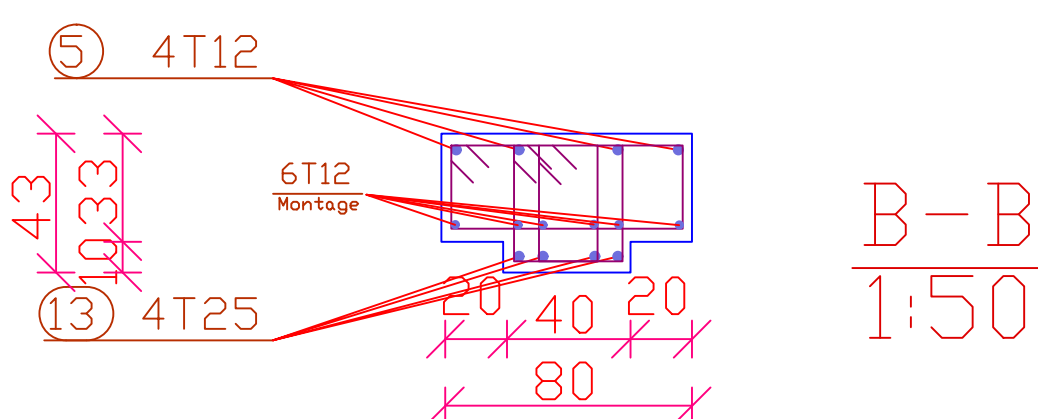
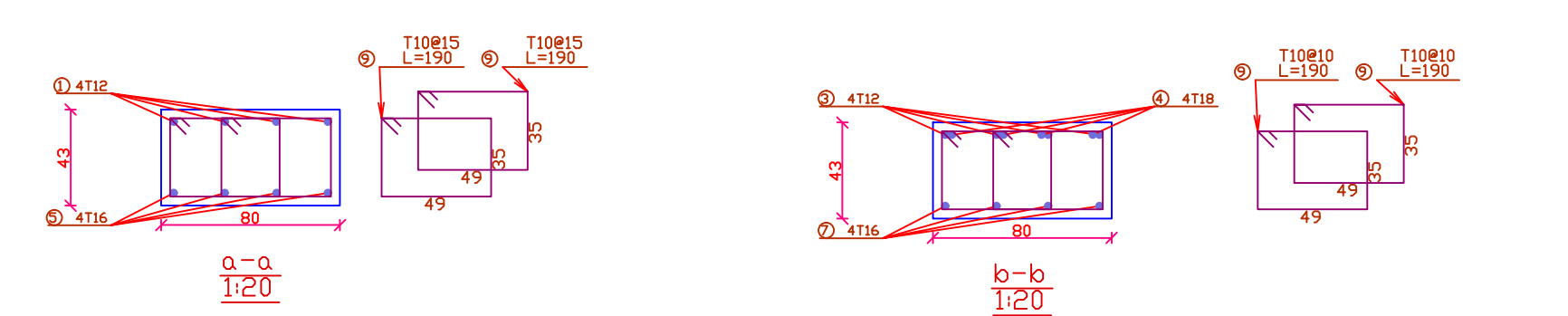
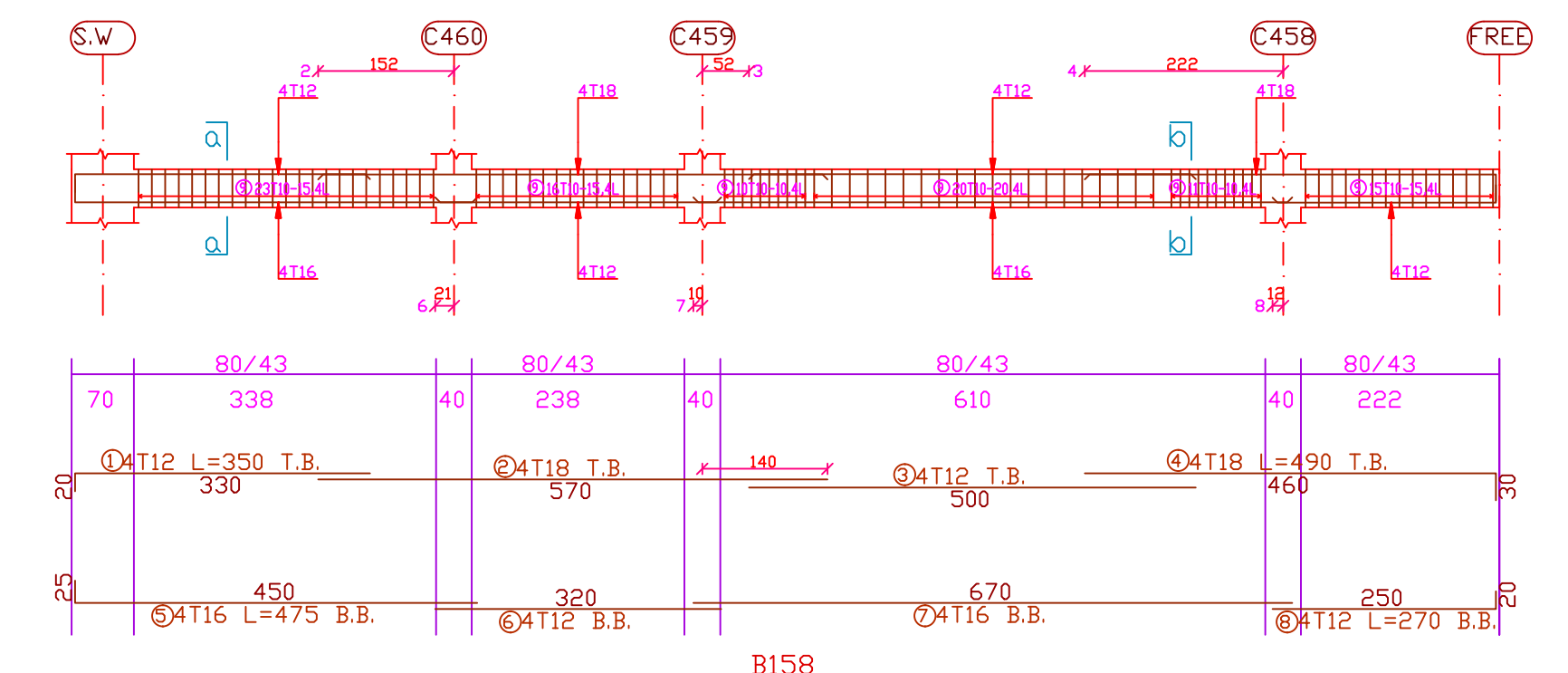
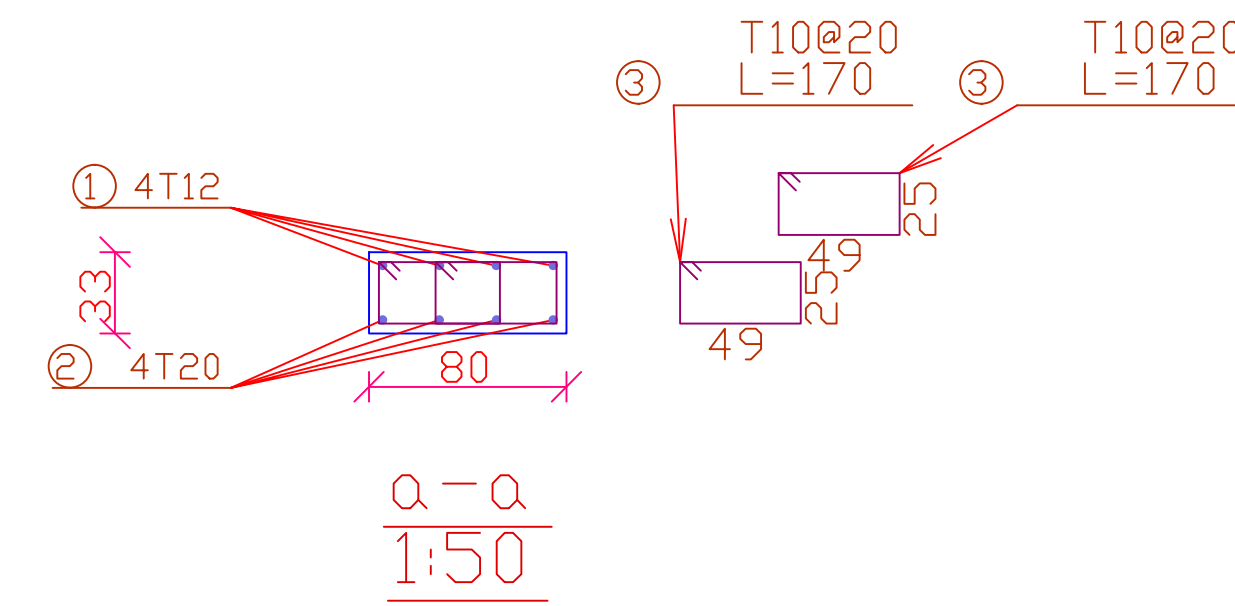
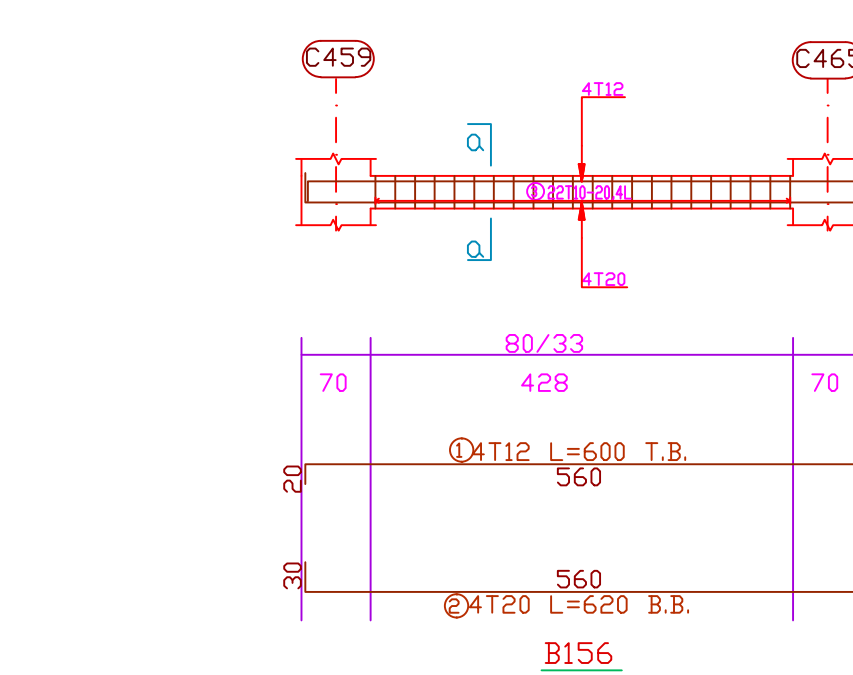
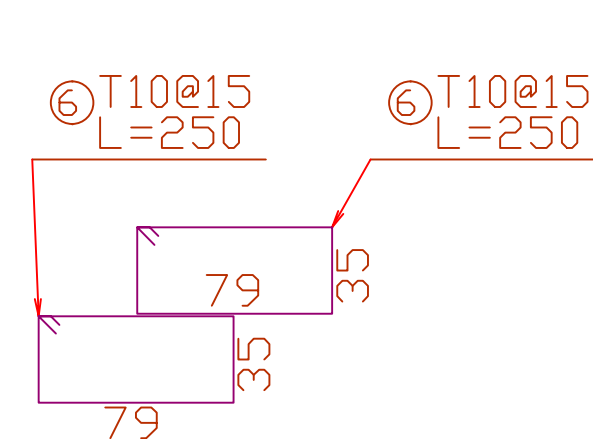
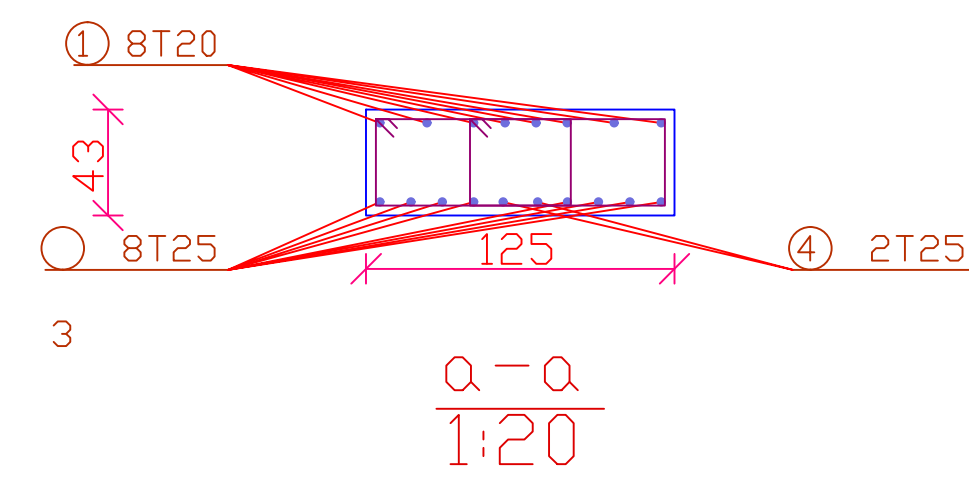
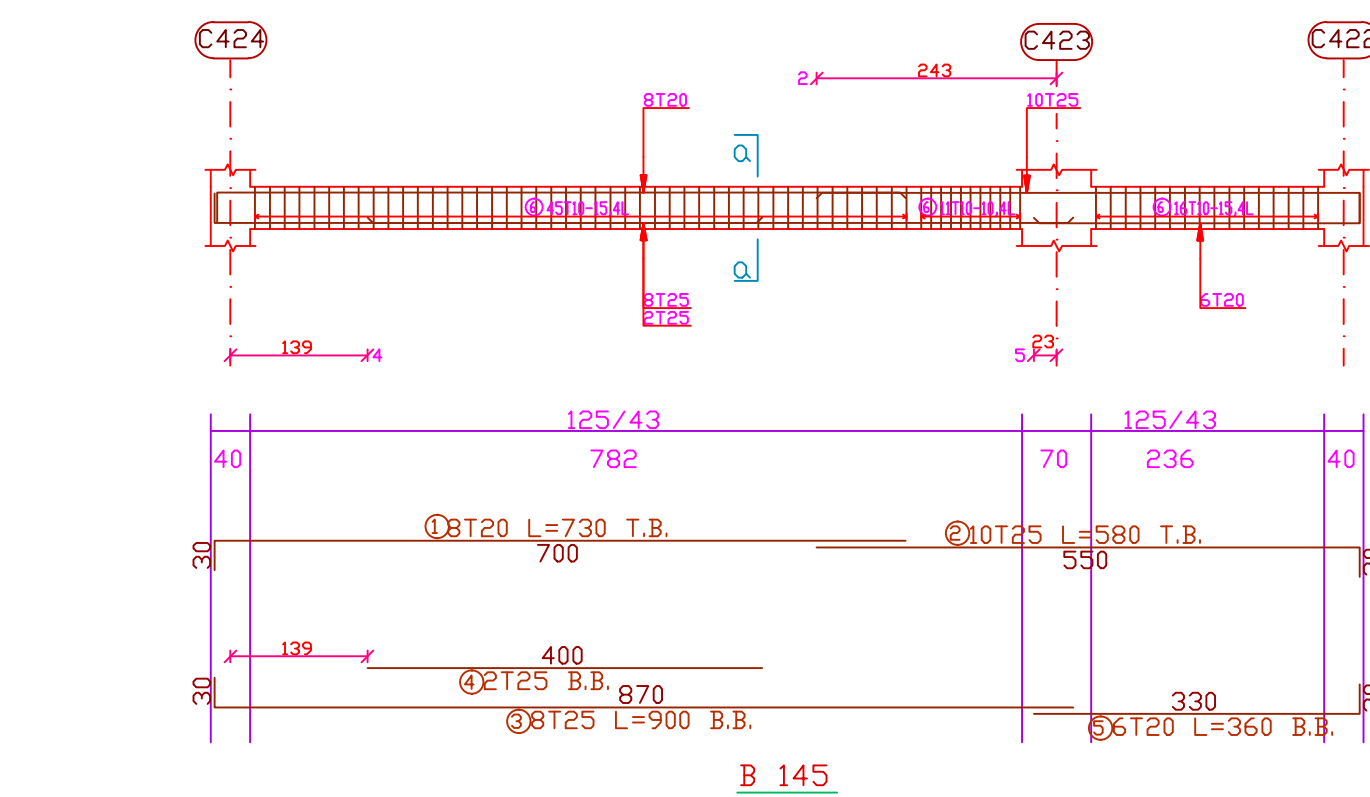
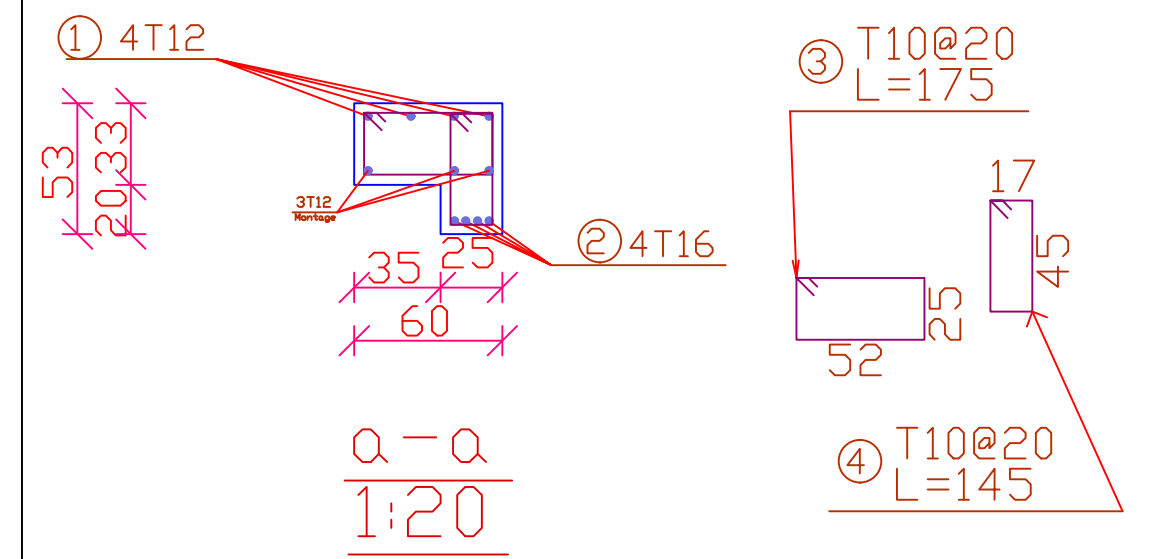
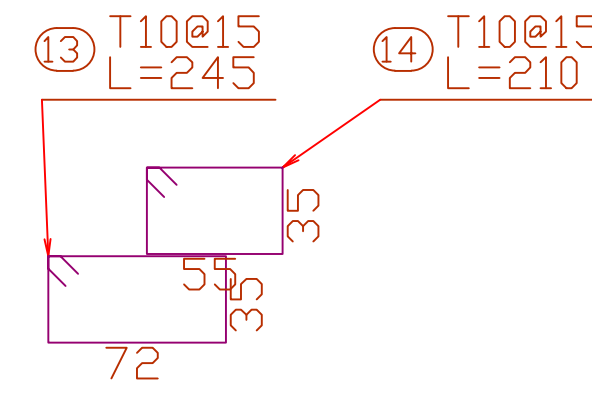
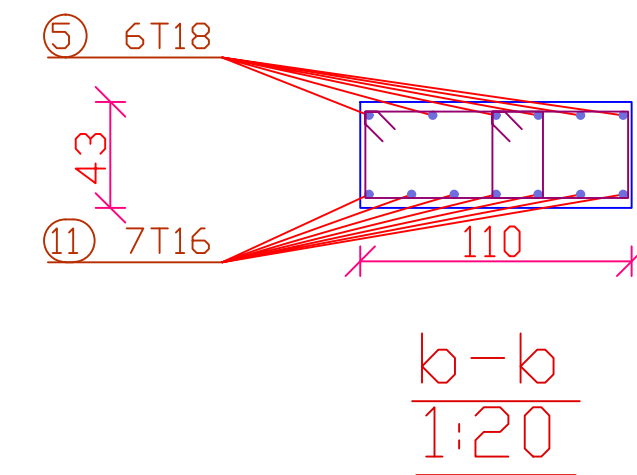
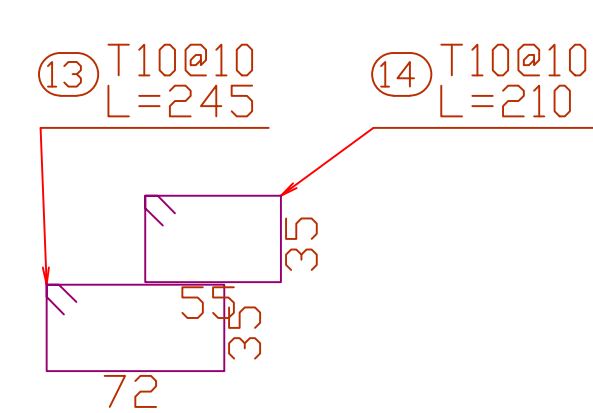
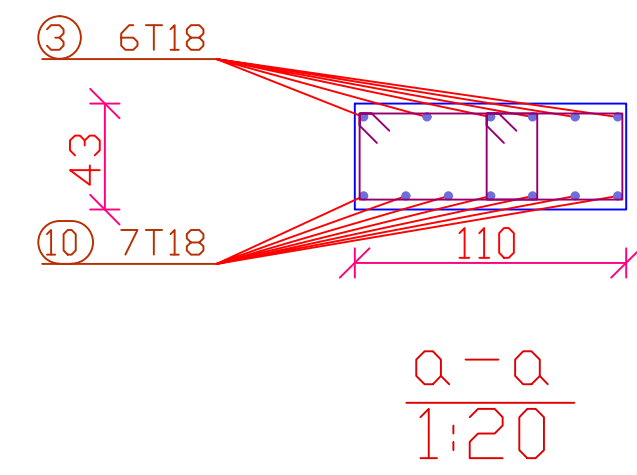
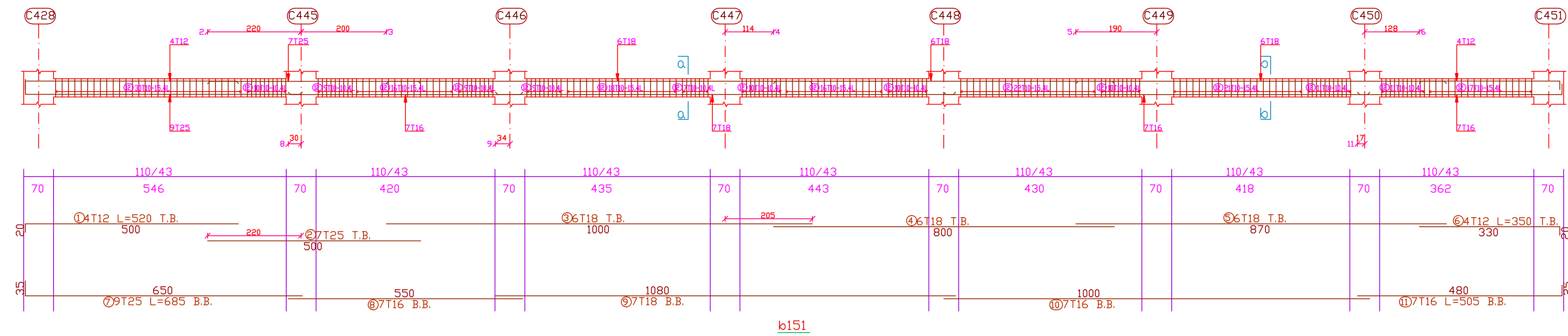
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

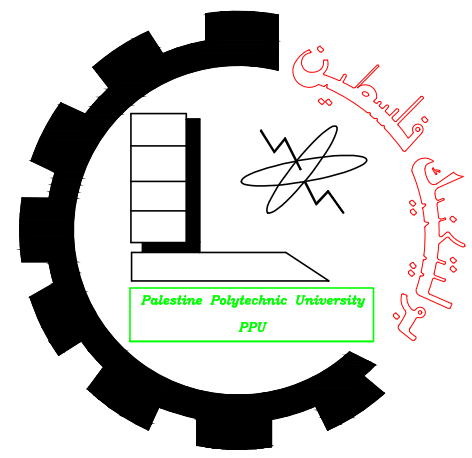
Drawing Contains:

2nd_5th Floors Beams

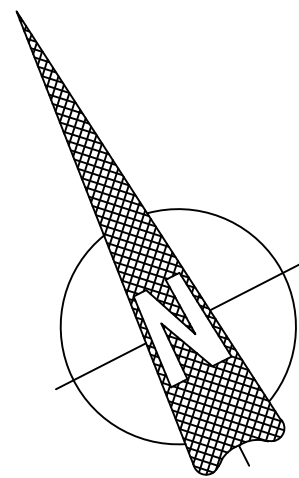
Scale:
(1:150)

No :
S25





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

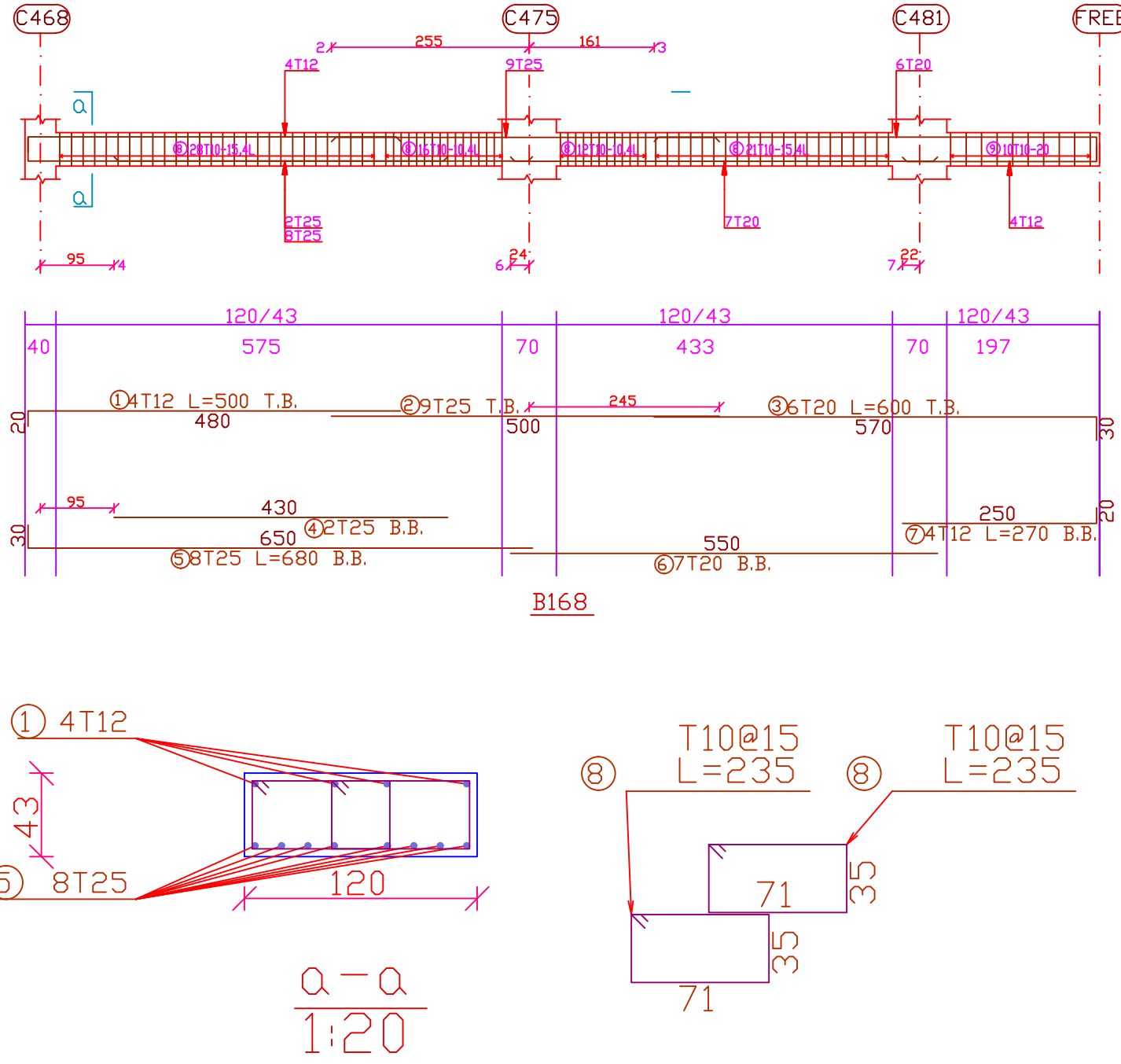
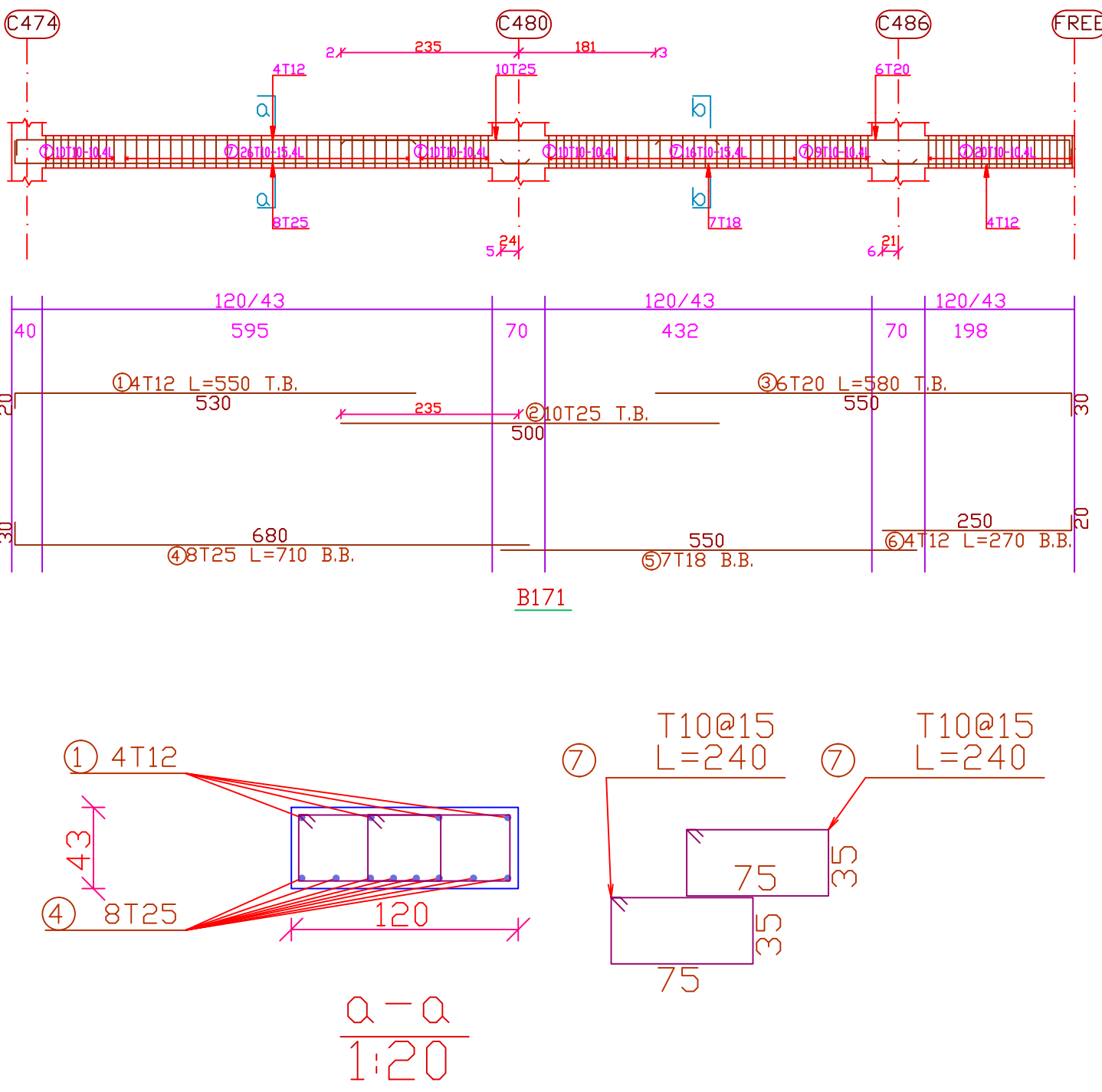
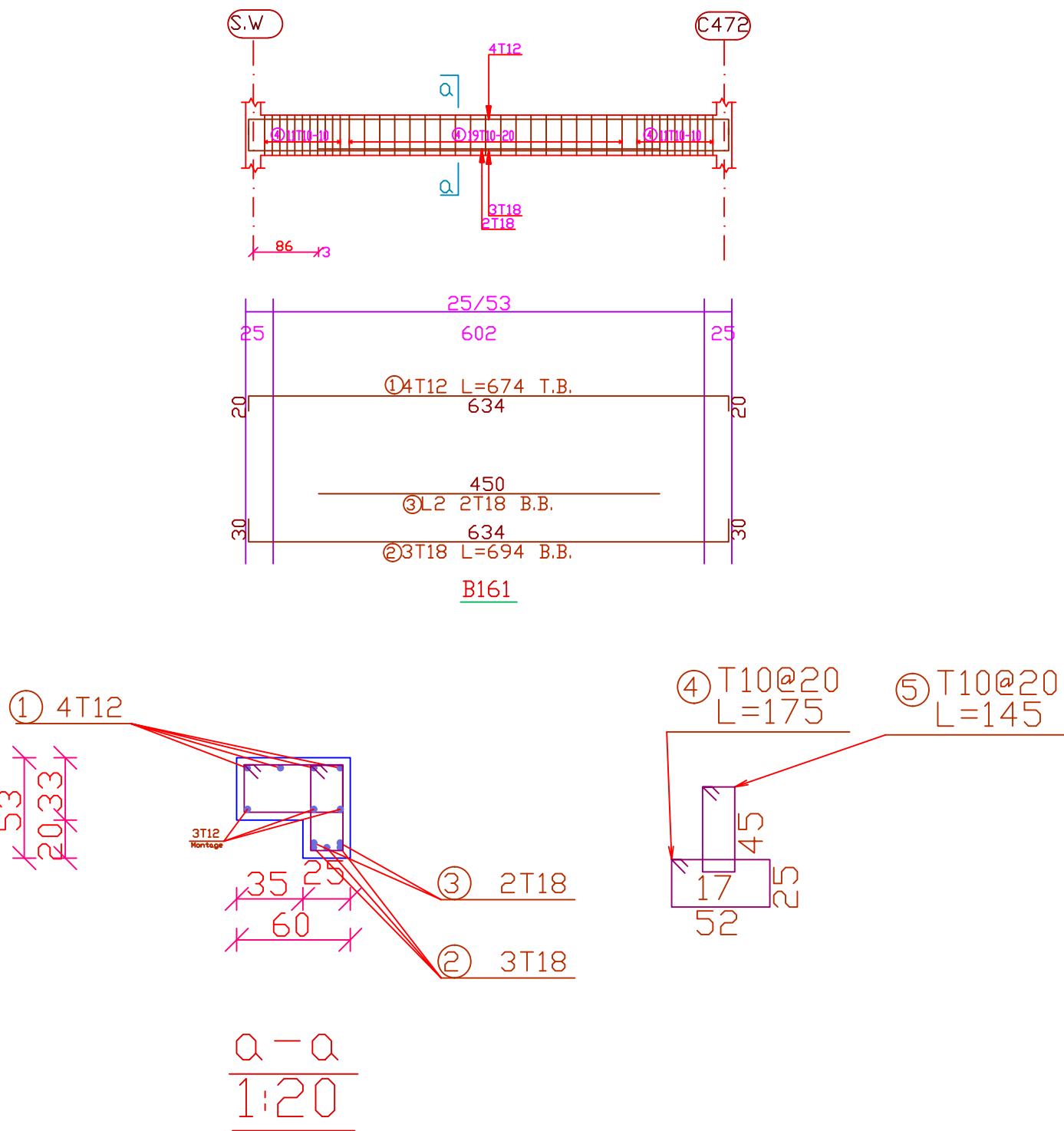
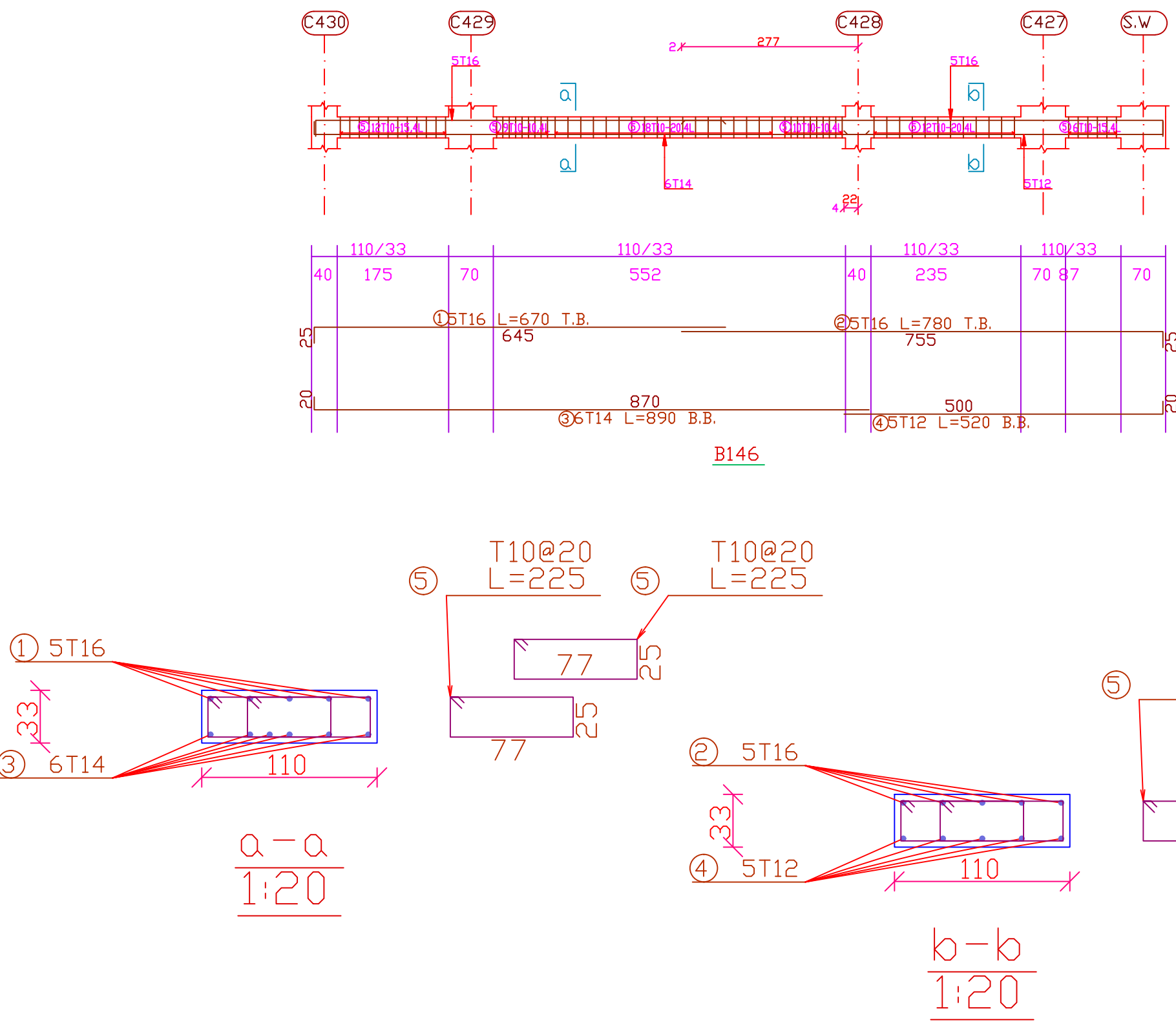
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

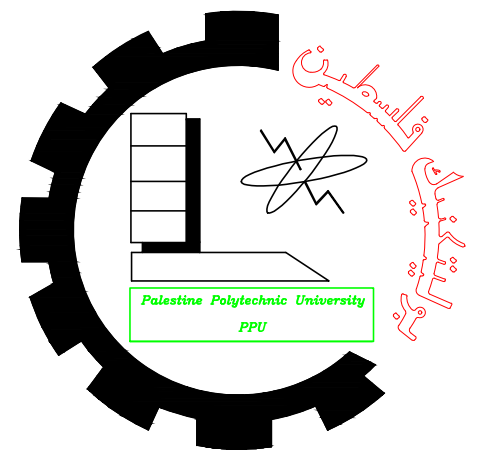
Drawing Contains:

2nd_5th Floors Beams

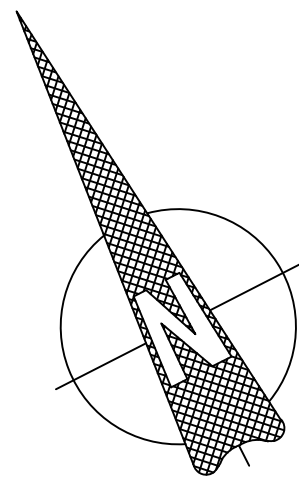
Scale:
(1:150)

No :
S26





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

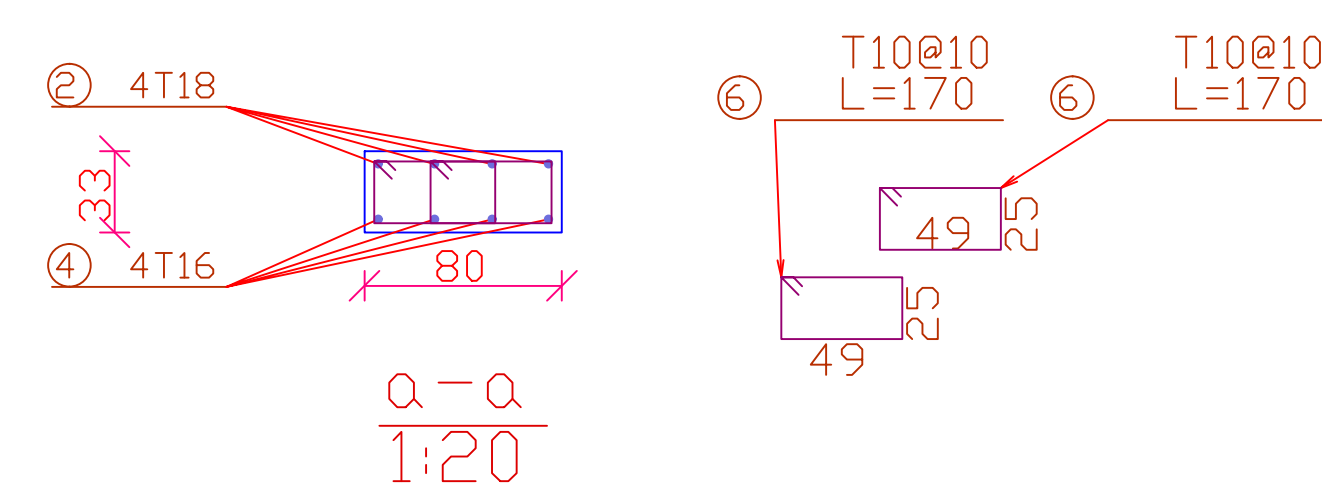
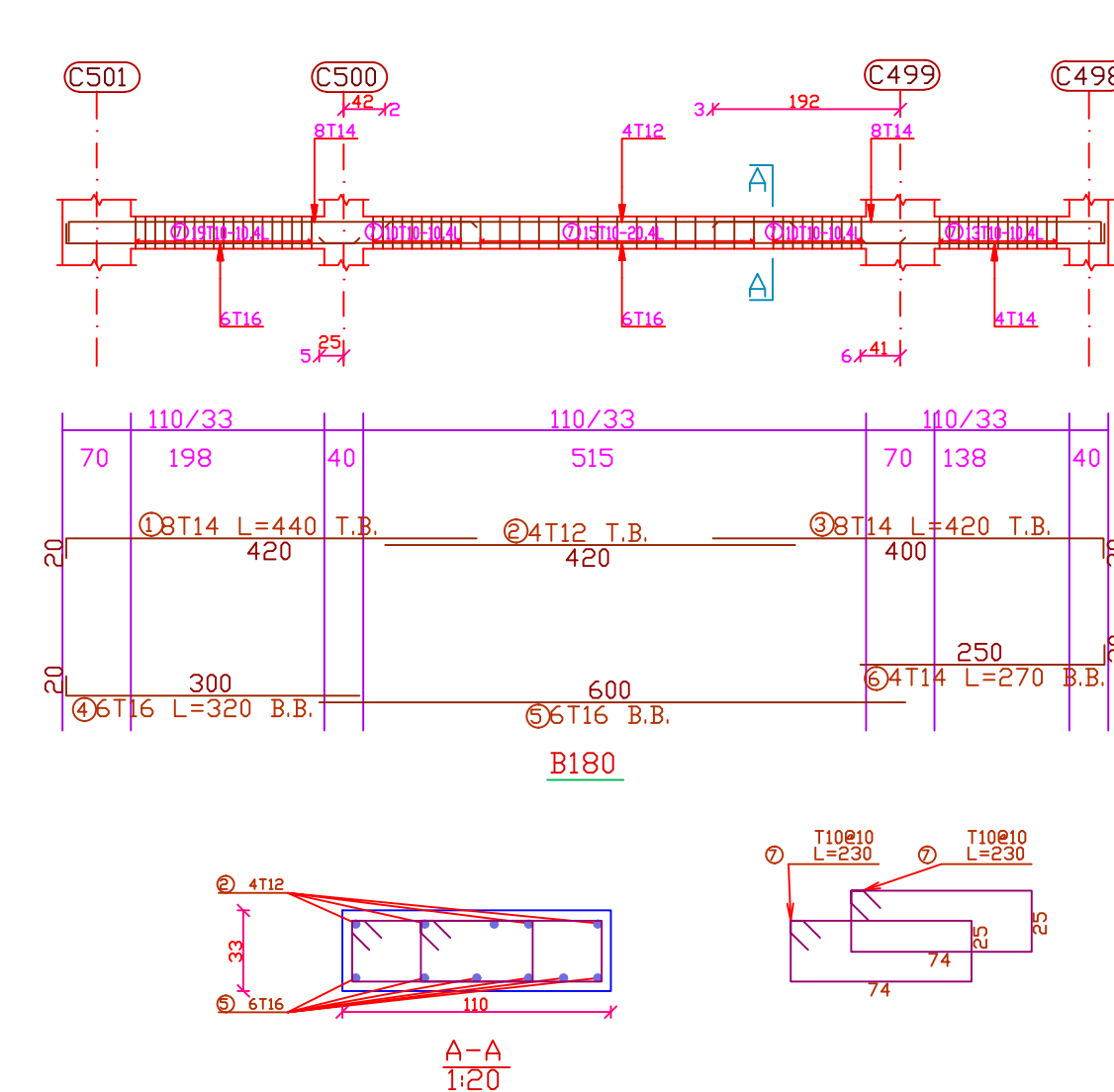
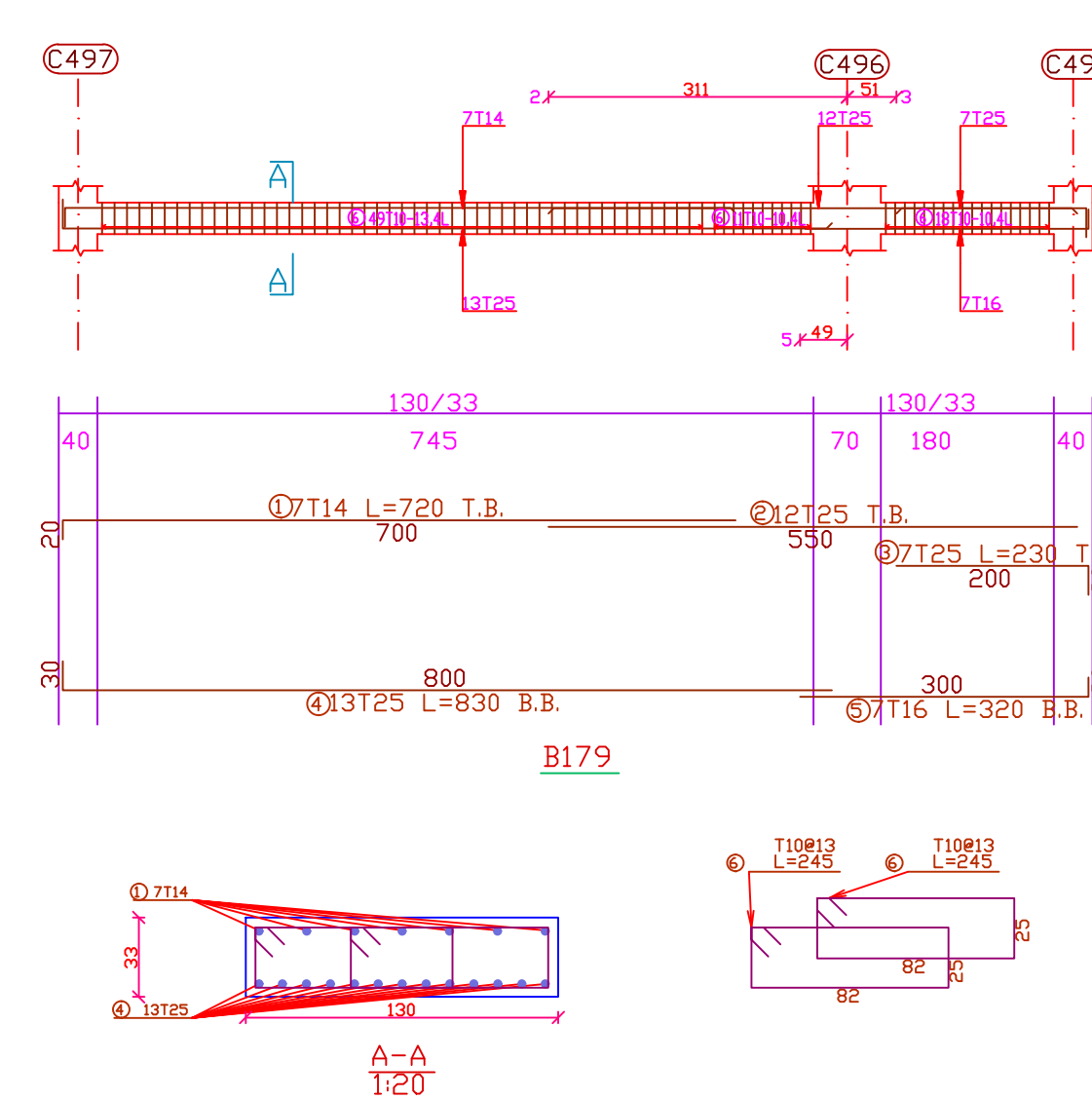
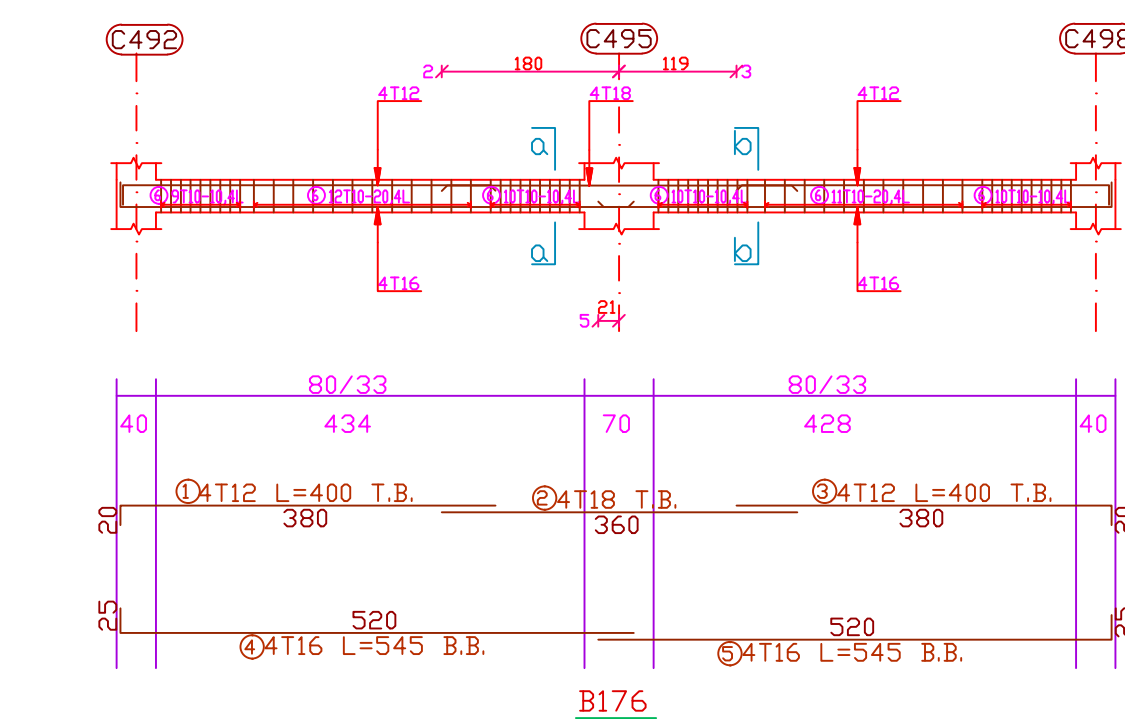
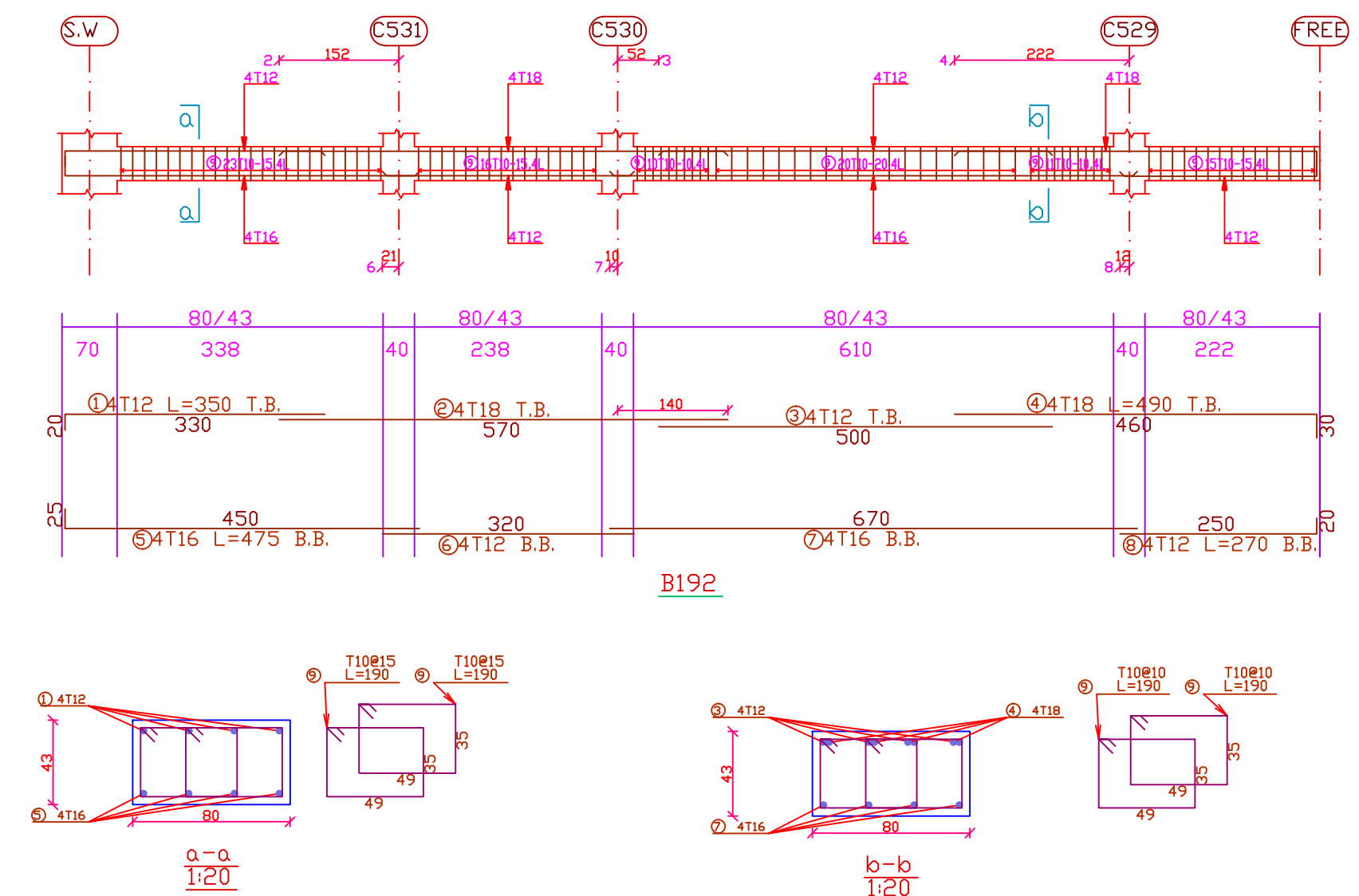
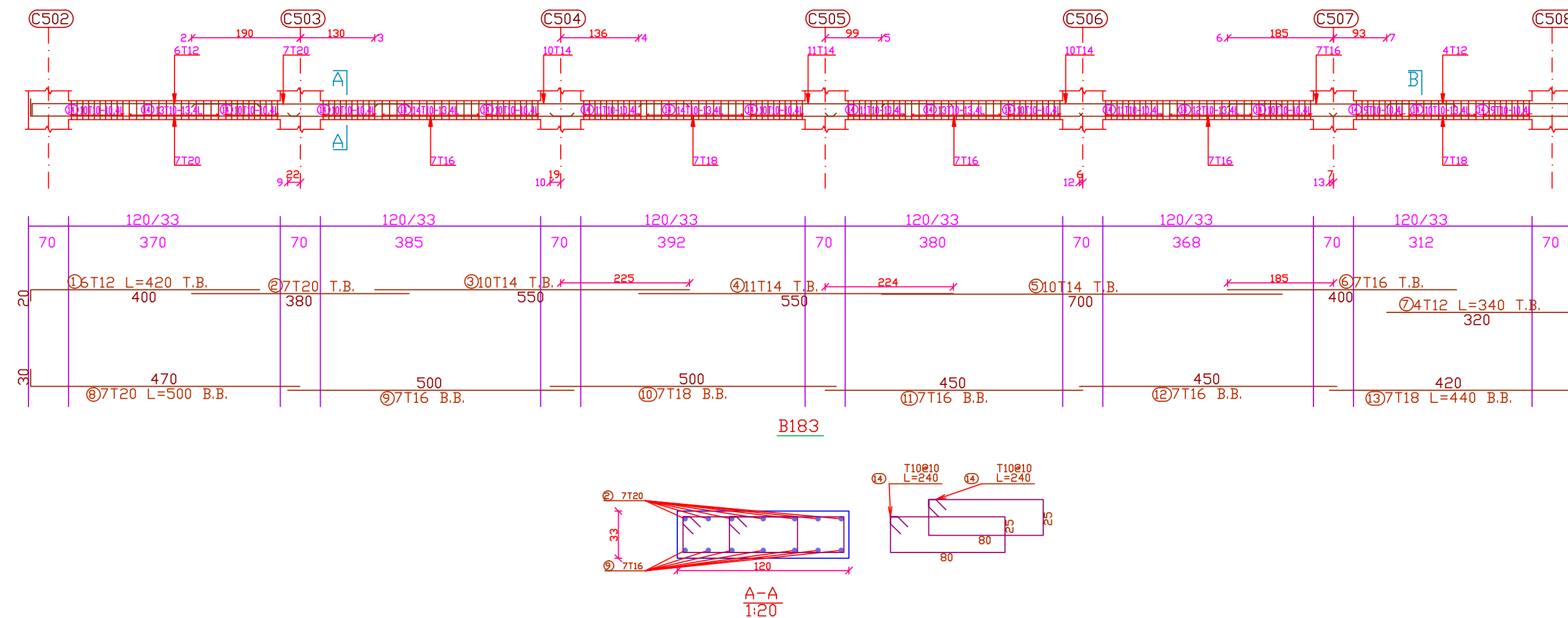
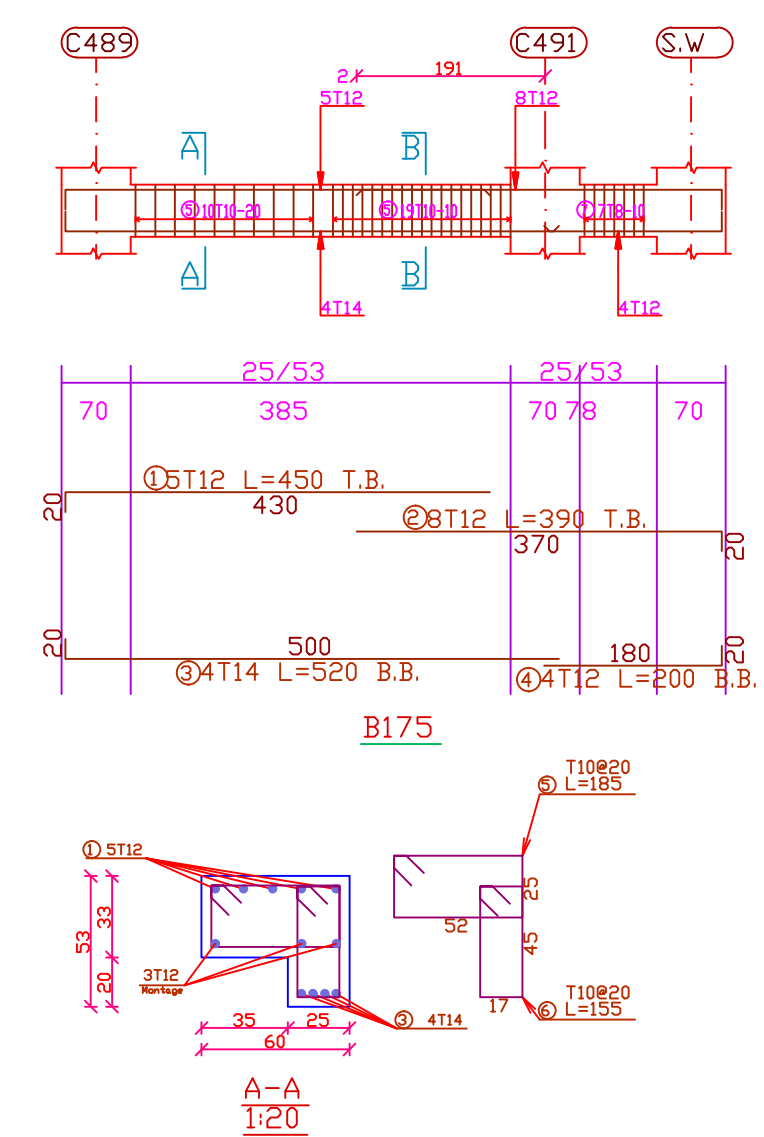
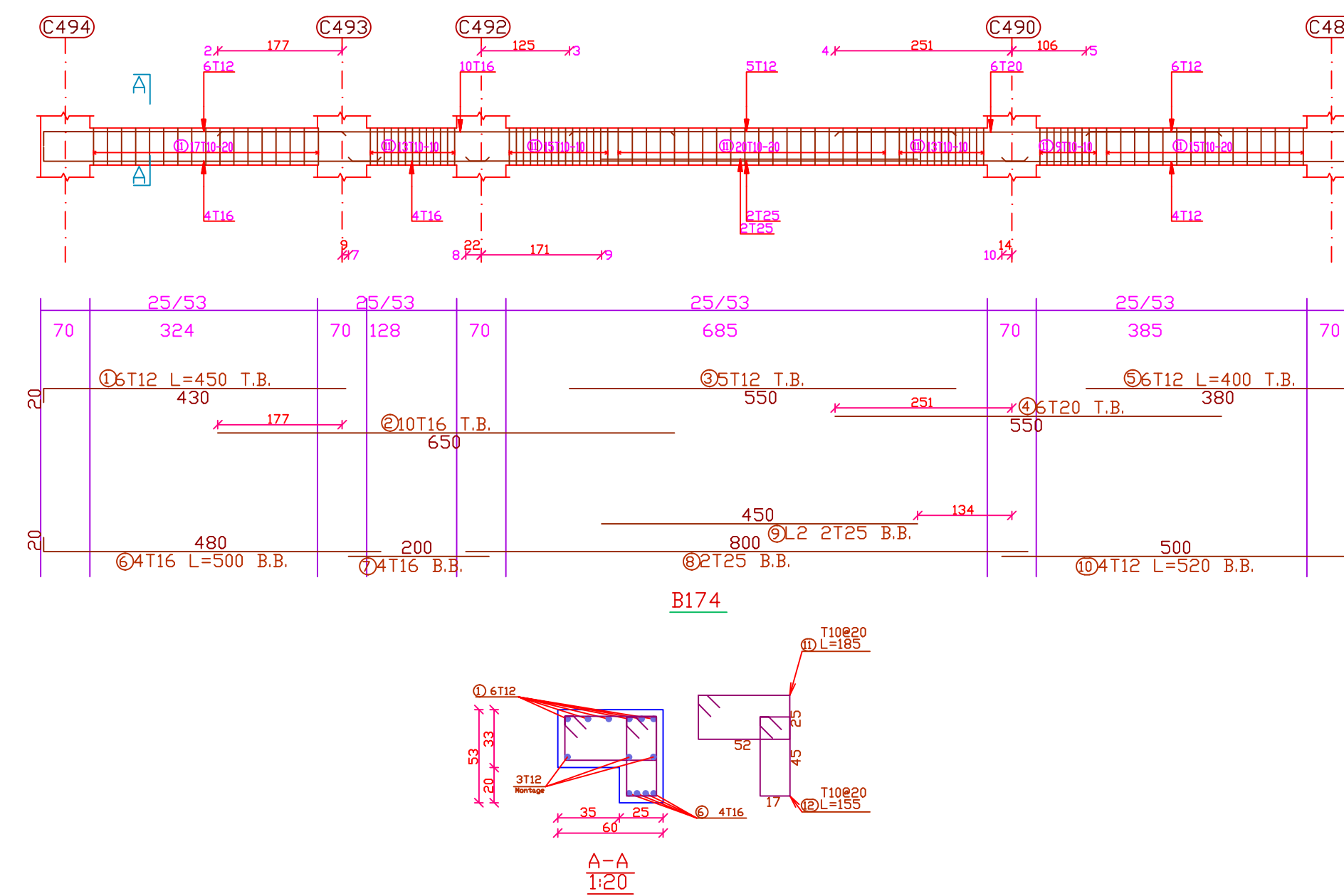
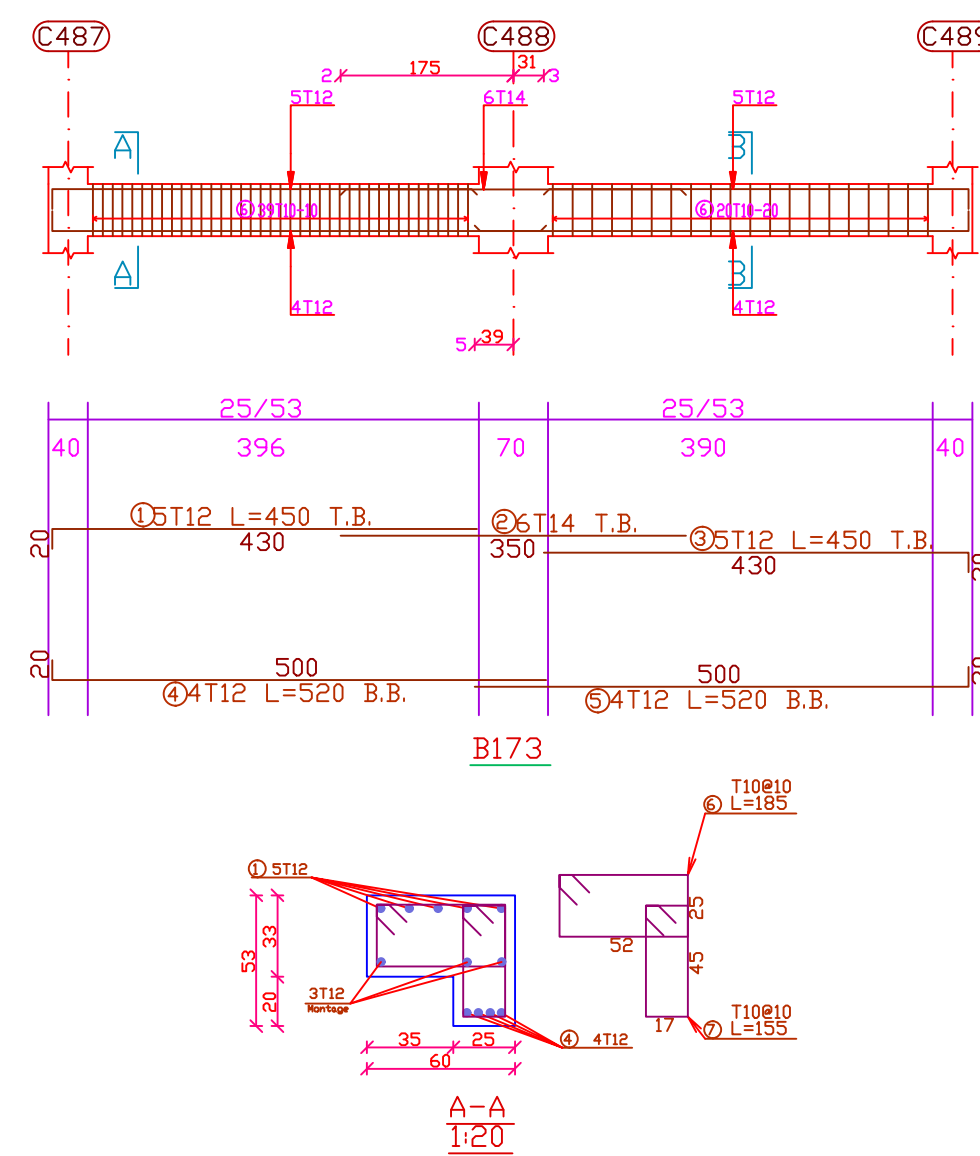
Supervisors :
Eng.Hamdi Idaes

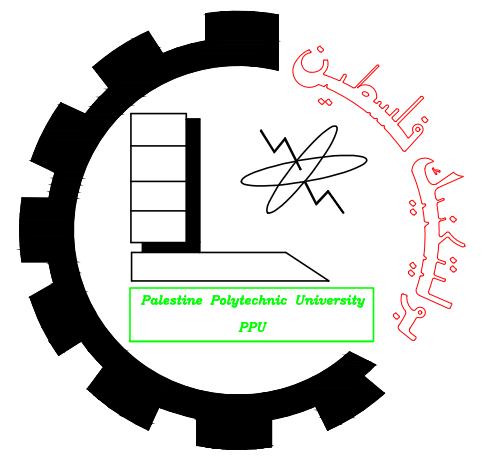
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Roof Floor Beams

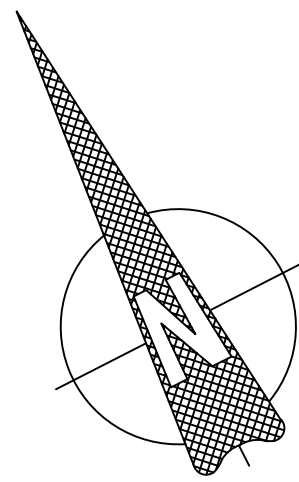
Scale:
(1:150)

No :
S27





Palestine Polytechnic University
Technology and engineering college
civil and Architecture department
Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU Graduation Project

Supervisors :
Eng.Hamdi Idaes

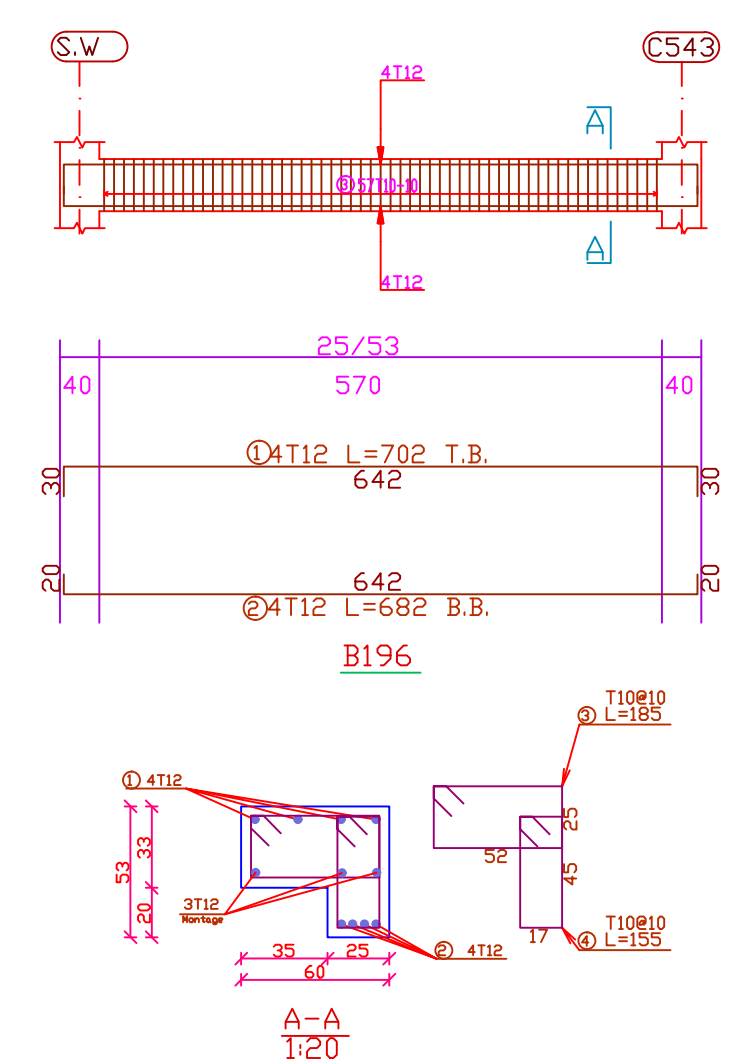
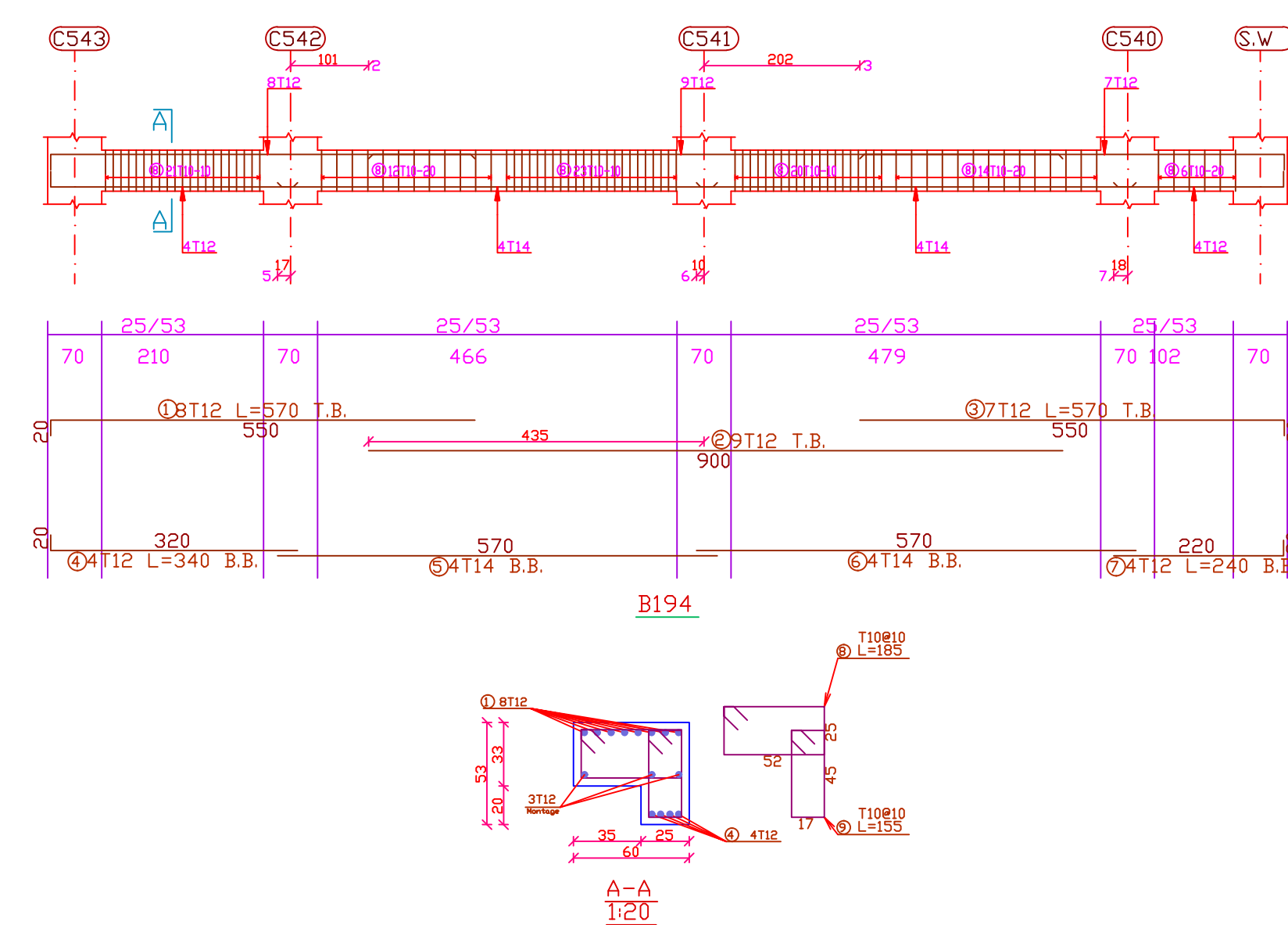
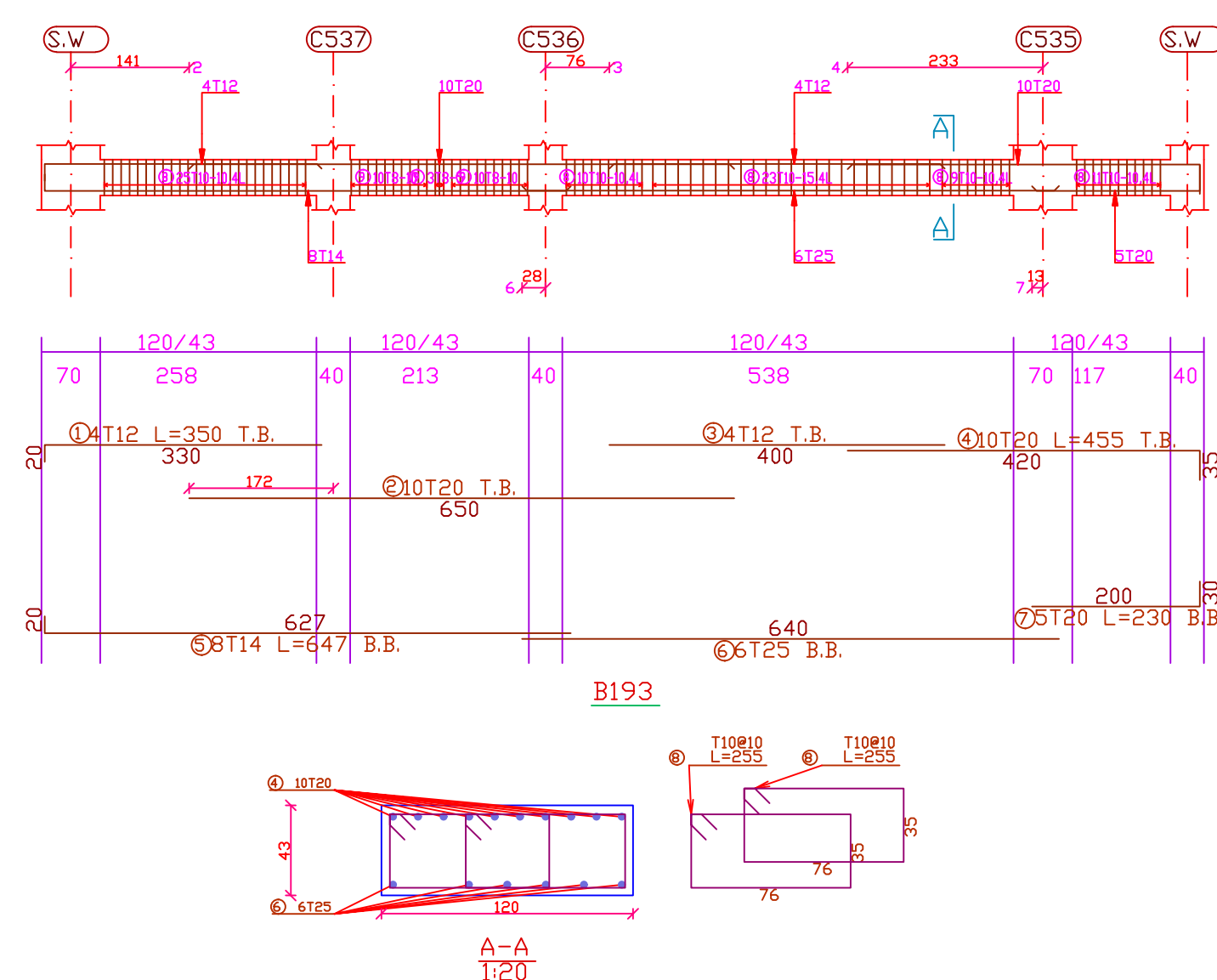
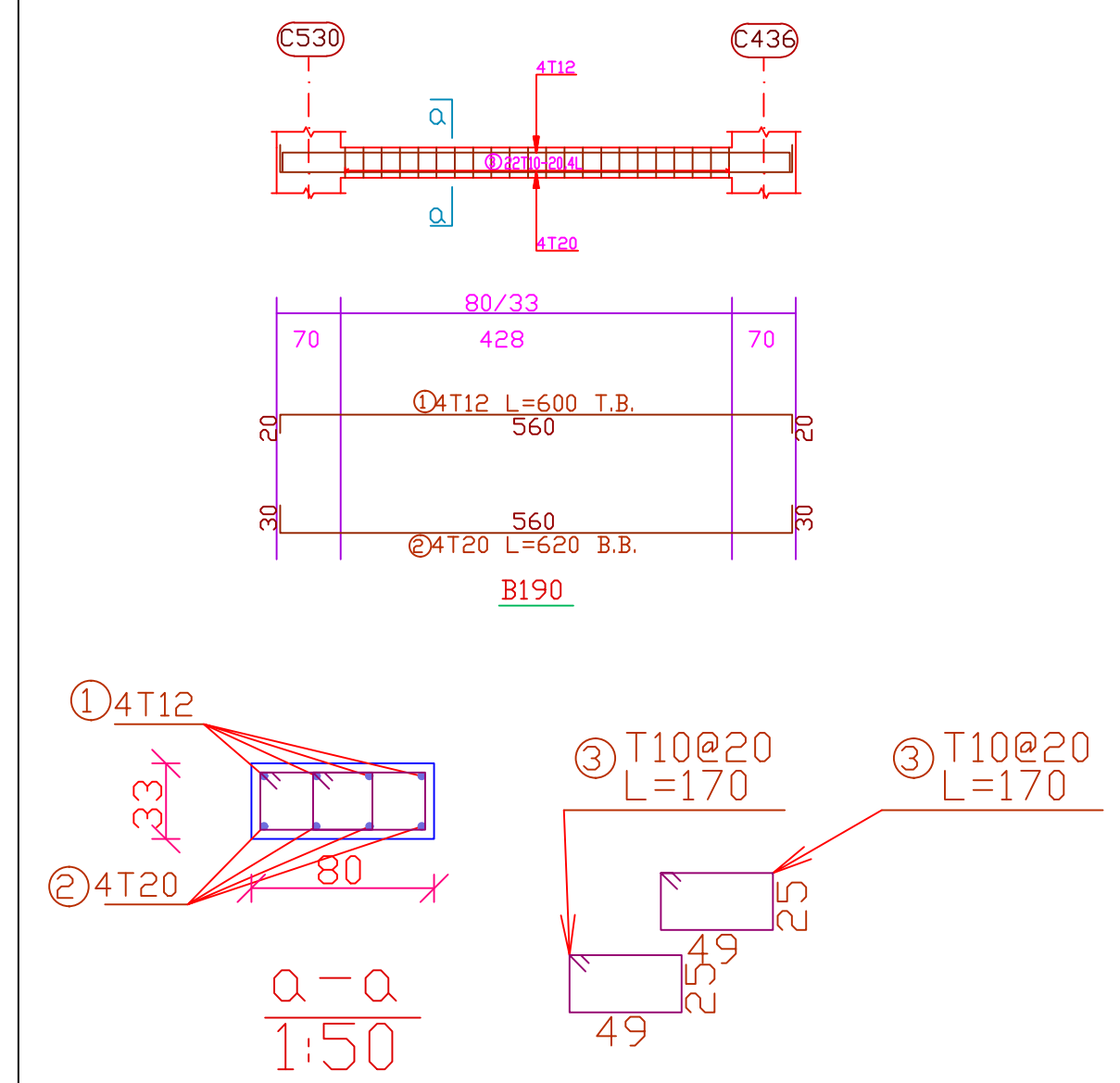
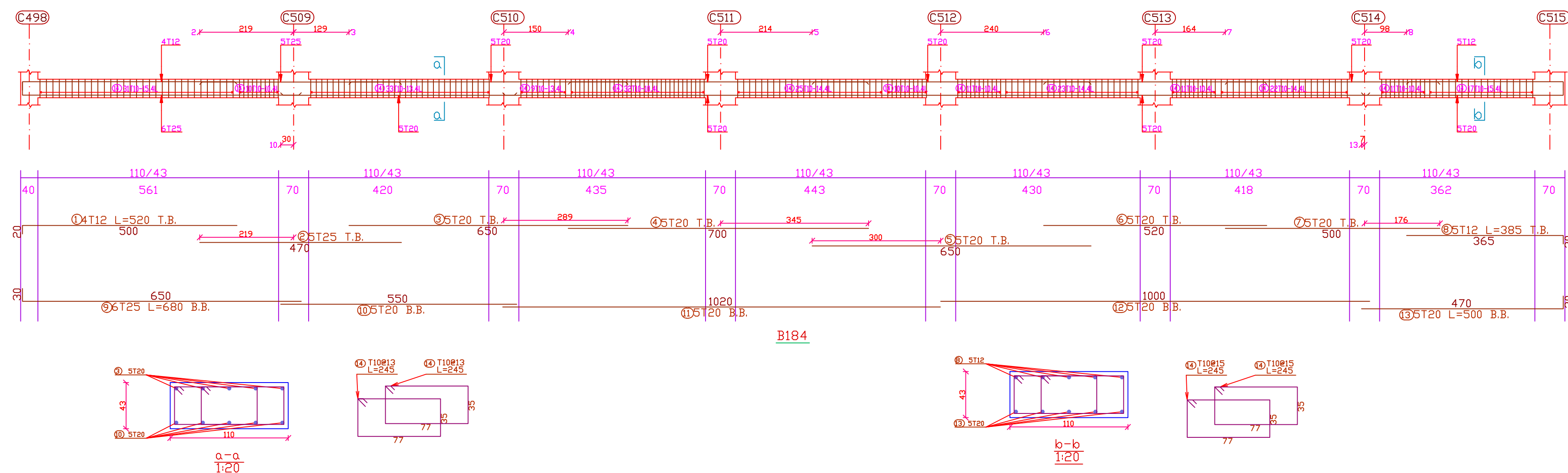
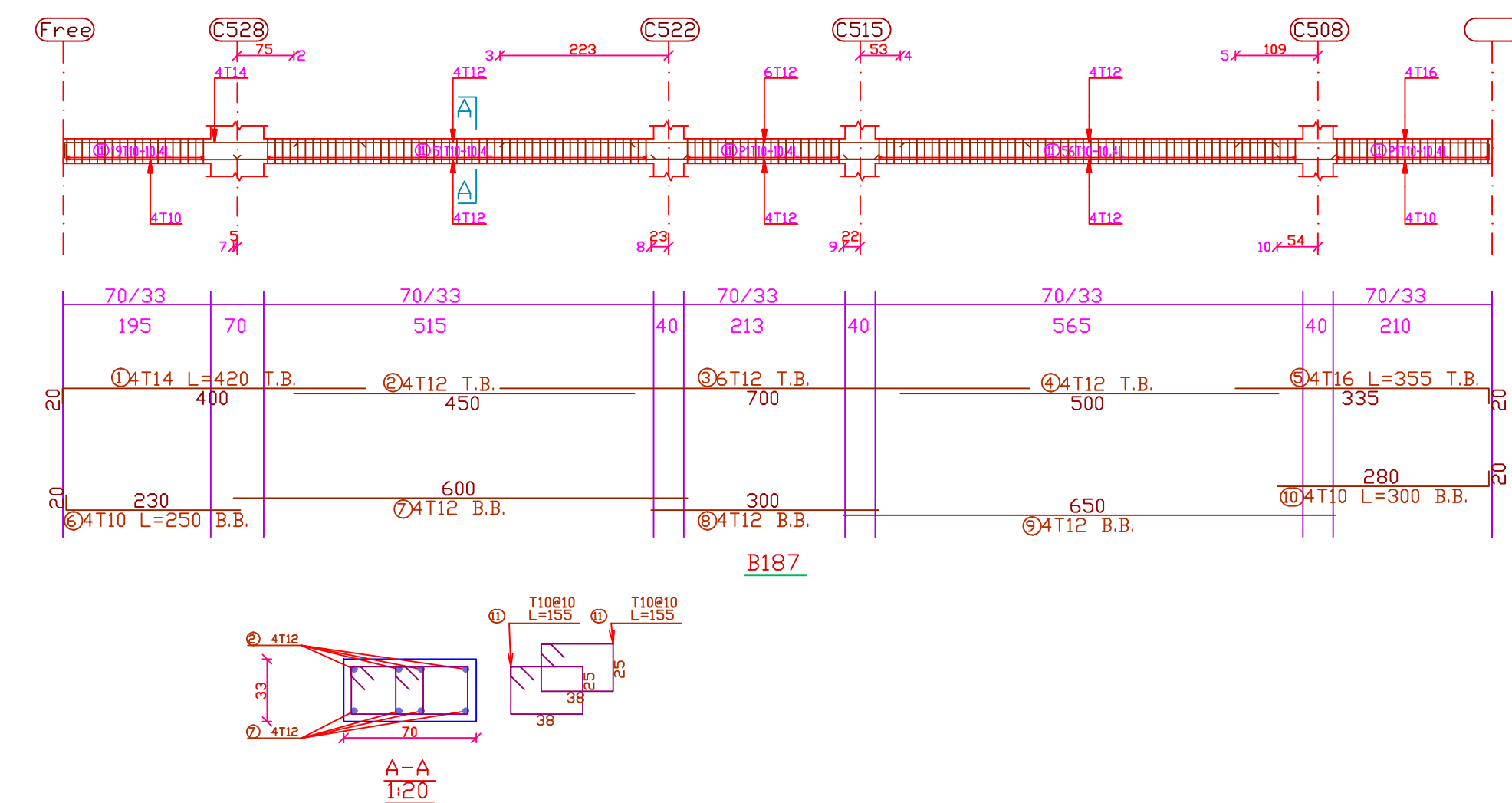
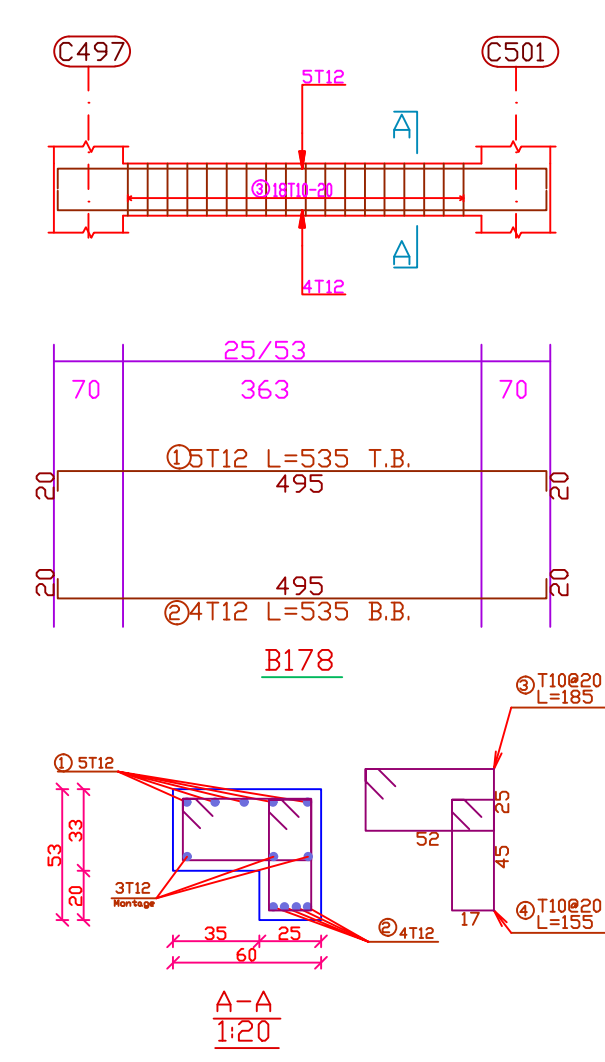
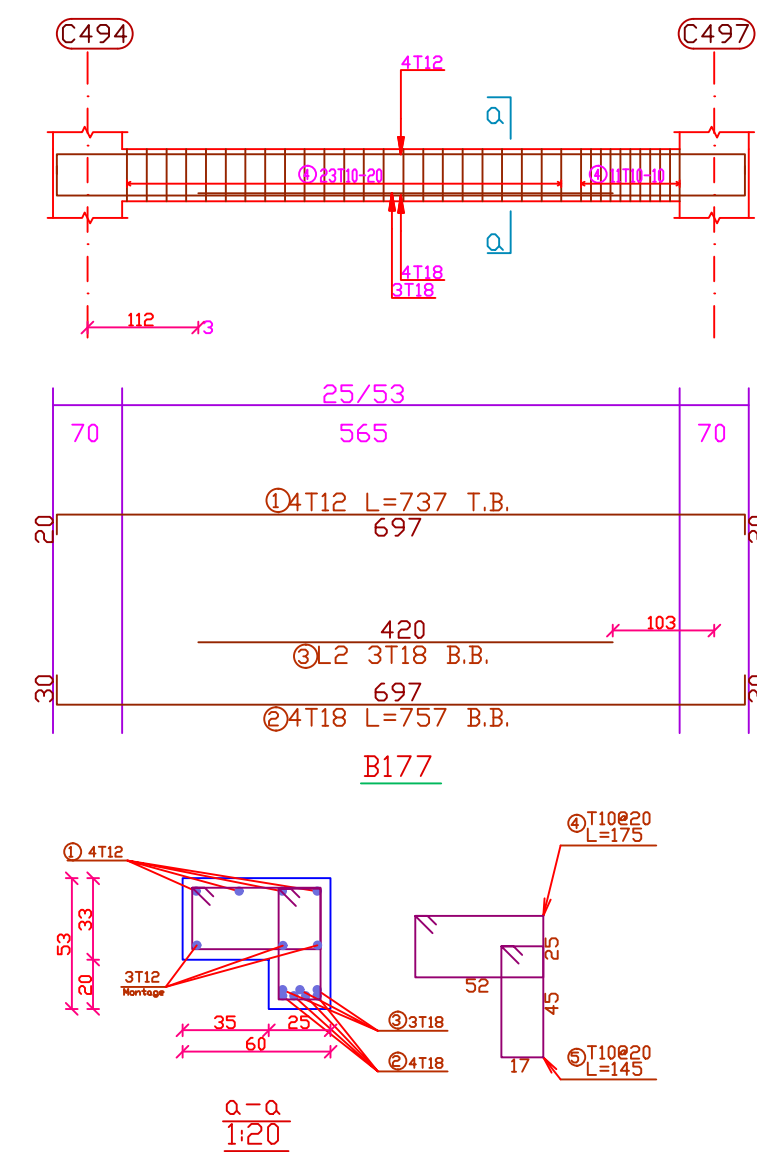
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

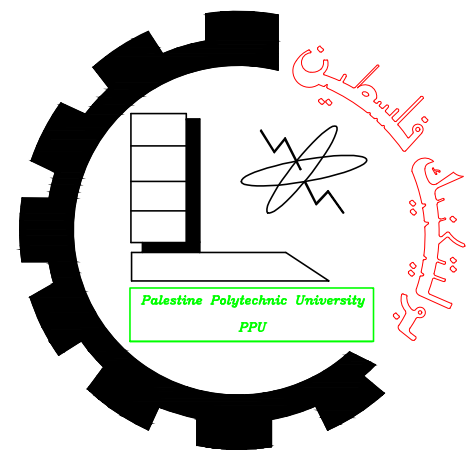
Drawing Contains:

Roof Floor Beams

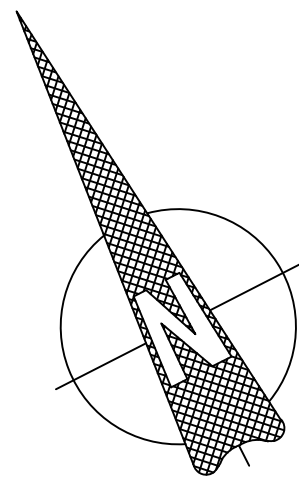
Scale:
(1:150)

No :
S28





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| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

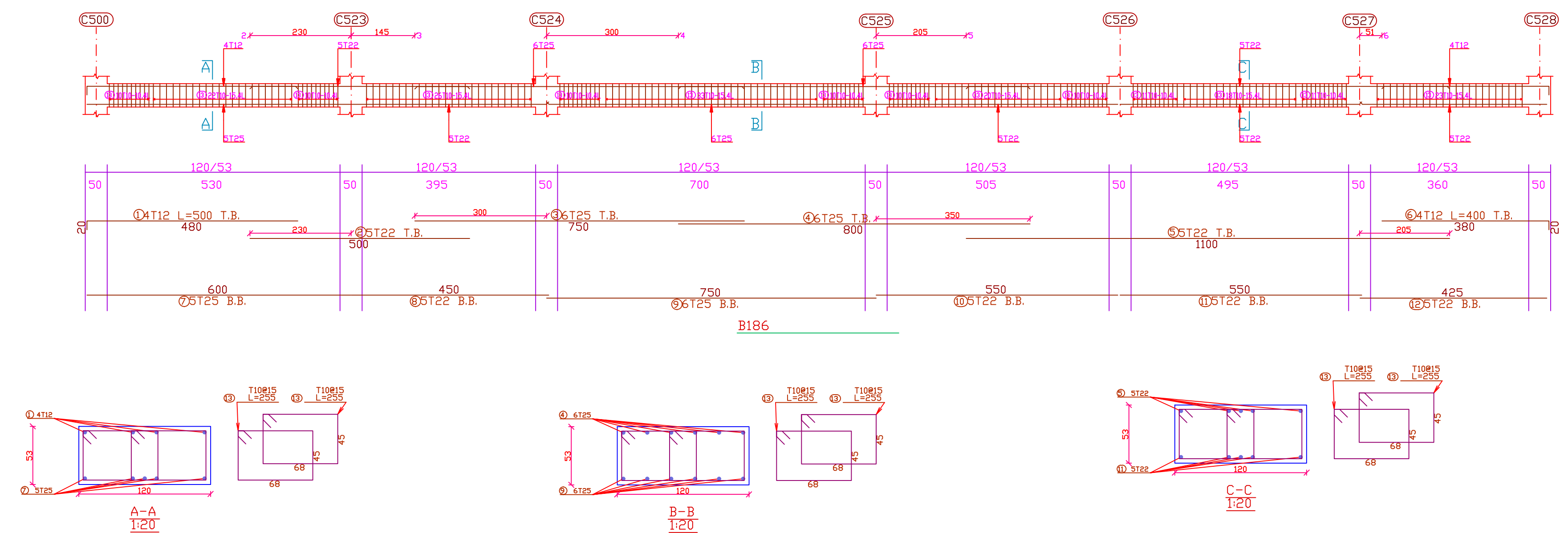
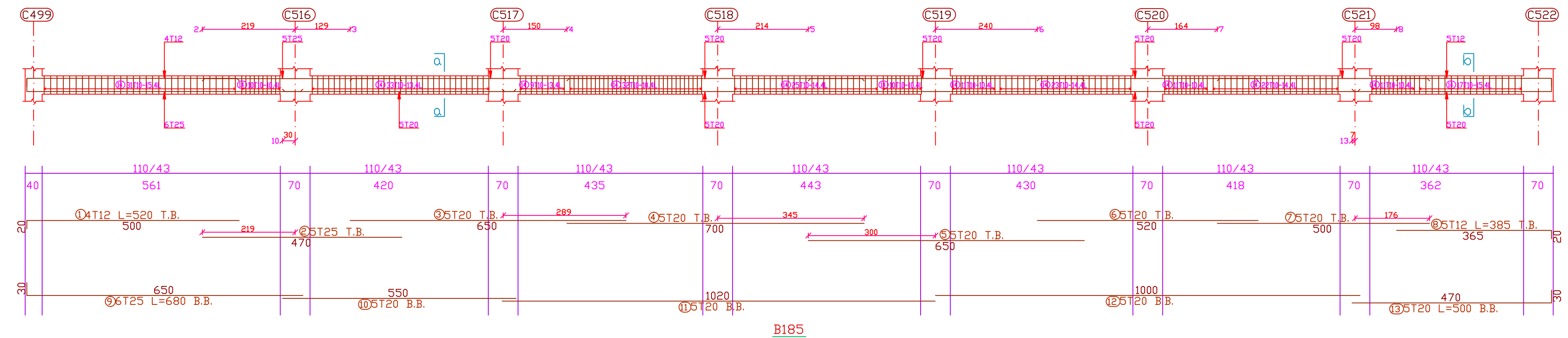
PPU
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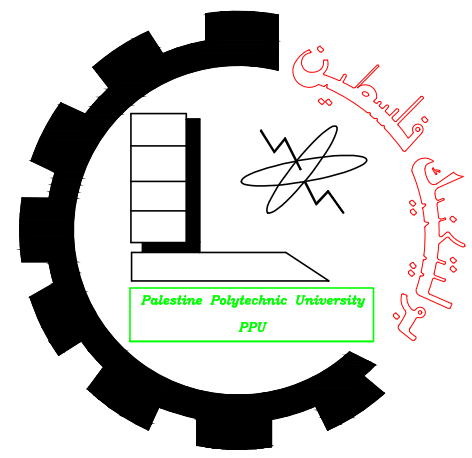
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

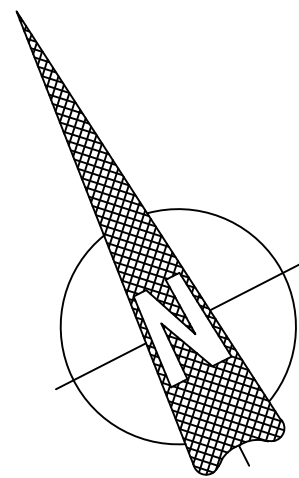
Drawing Contains:
Roof Floor Beams

| | |
|---------------------|-------------|
| Scale: (1:150) | No : S29 |
|---------------------|-------------|





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| Surface Area | Slab Thickness |
|--------------|----------------|
| - | - cm |

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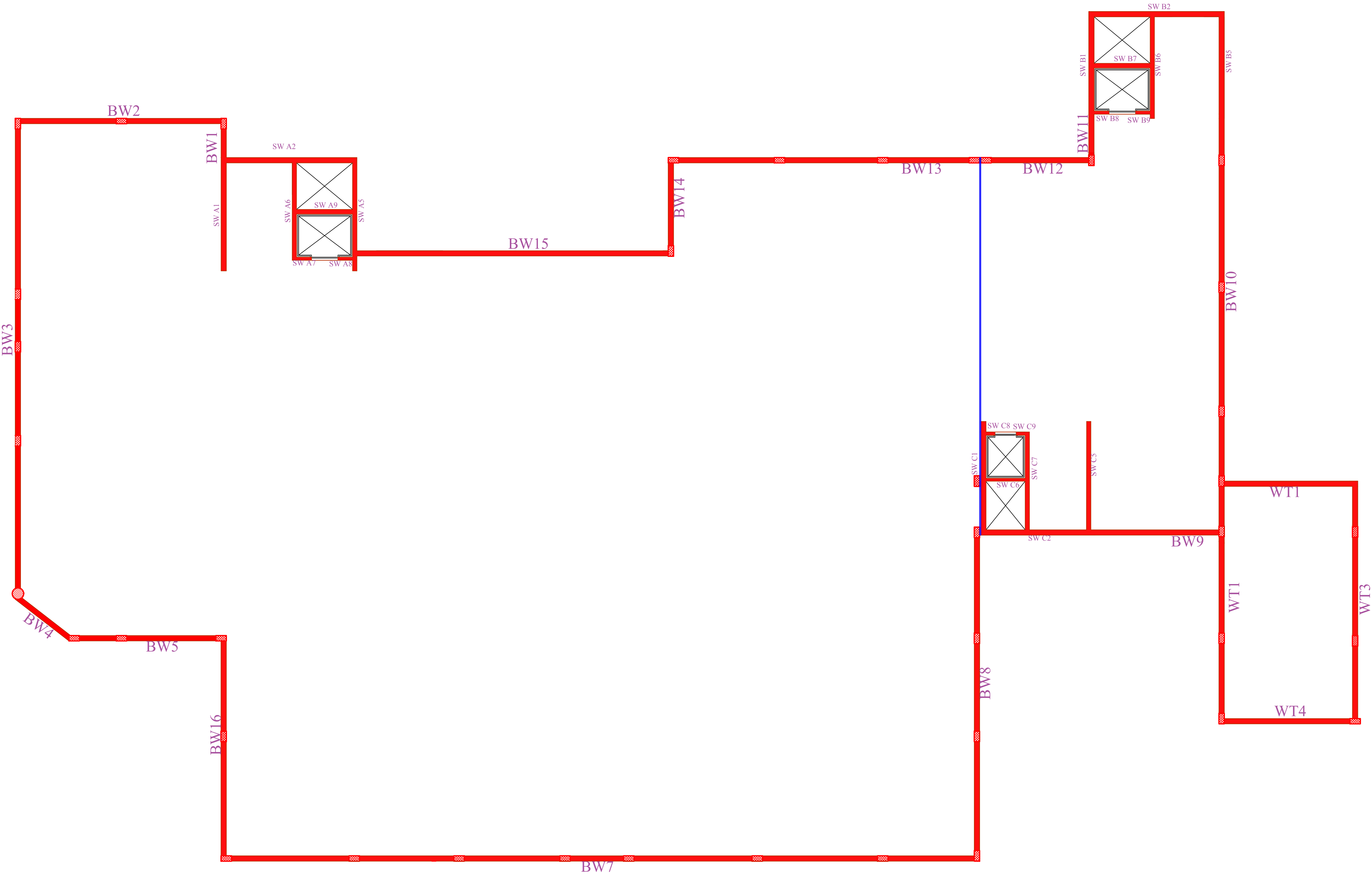
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

Shear Walls
& Basement Walls Plan

Scale:
(1:125)

No :
S30



Scale:
(1:150)

No.:
S31

Shear Walls
& Basement Walls Plan

Drawing Contains:

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Tounar

Supervisors :
Eng. Hamdi Idaes

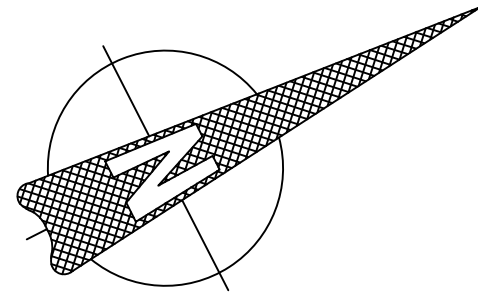
PPU
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Surface Area

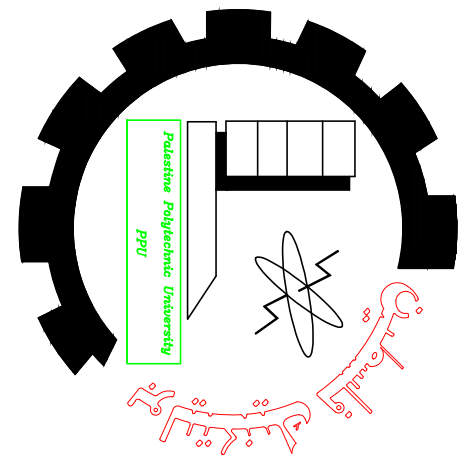
Slab Thickness

-

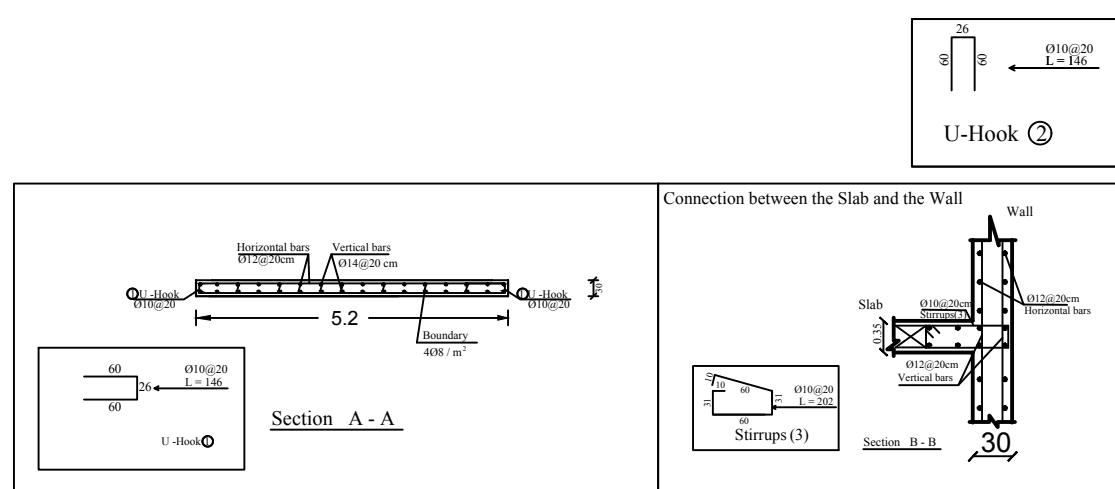
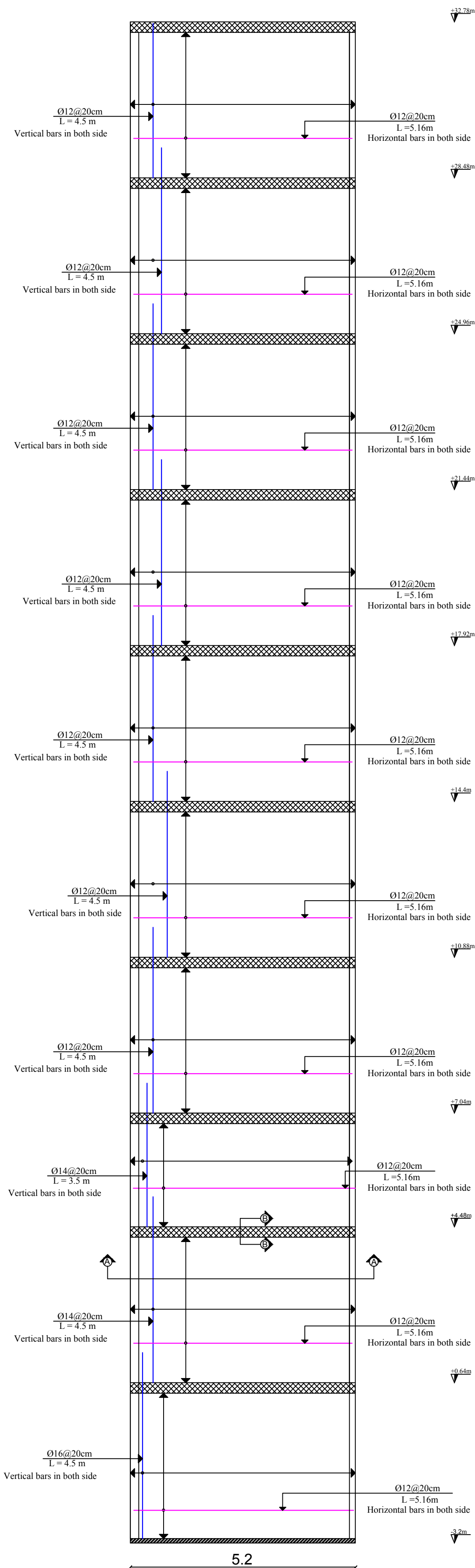
- cm



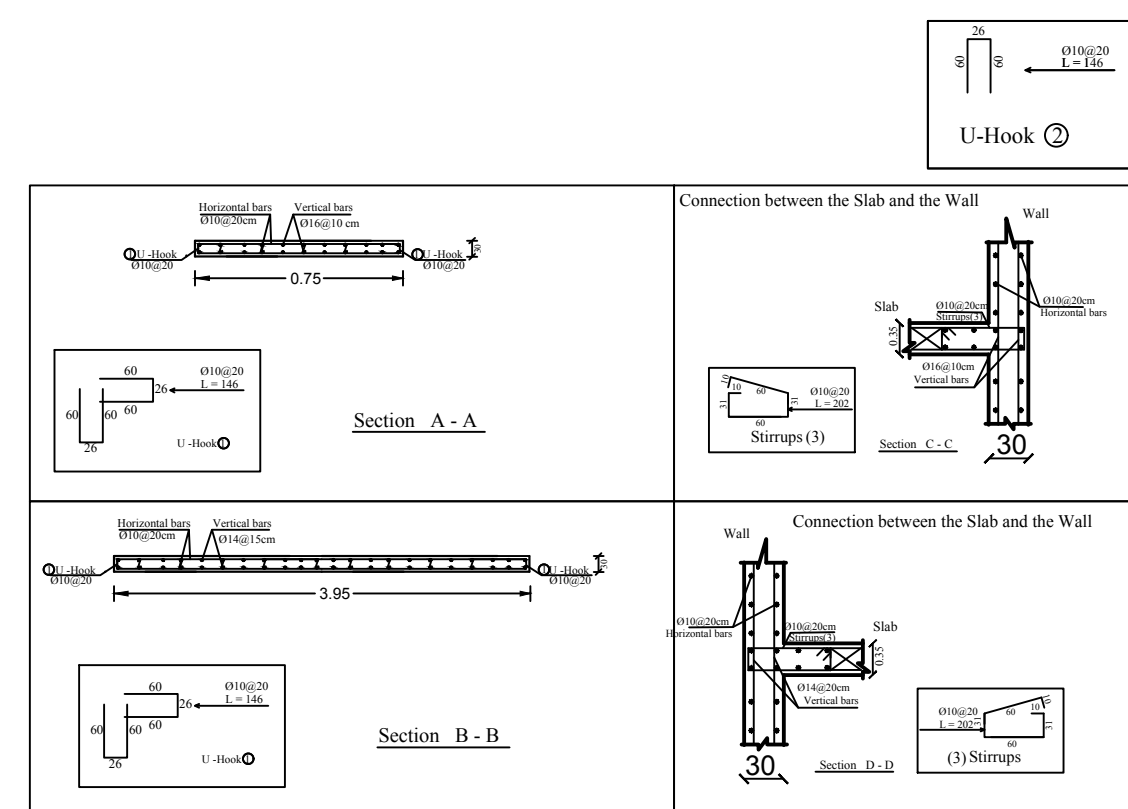
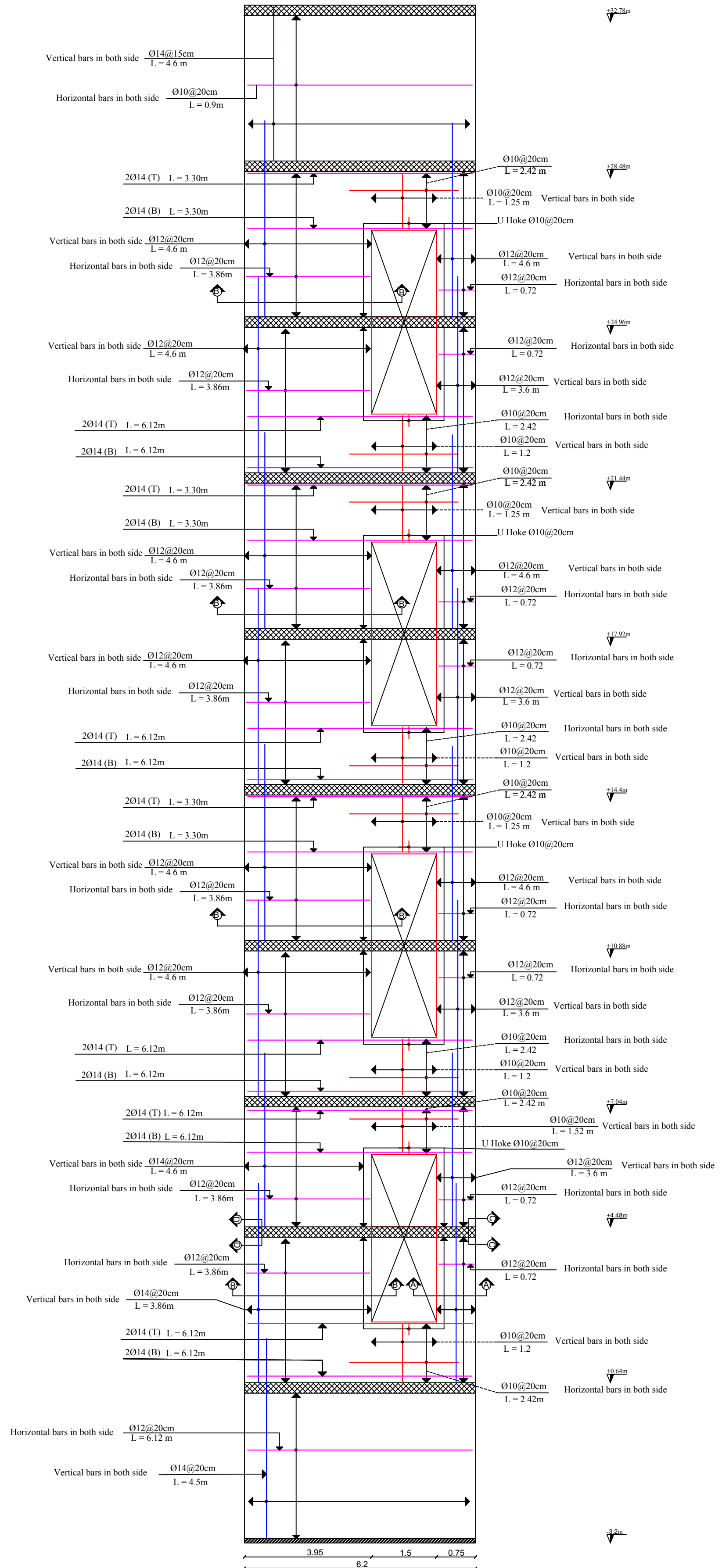
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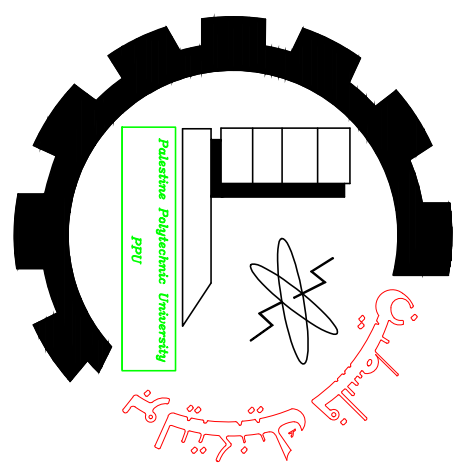


SW A1,C5

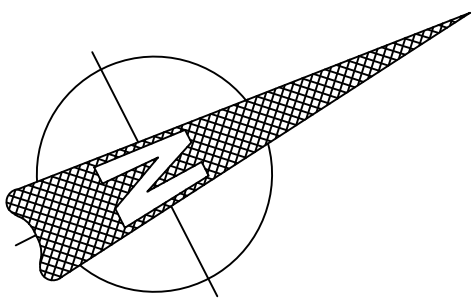


SW A2,B2,C2





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Surface Area

Slab Thickness

-

- cm

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Supervisors :

Eng. Hamdi Idaes

Done by :

Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Tounmar

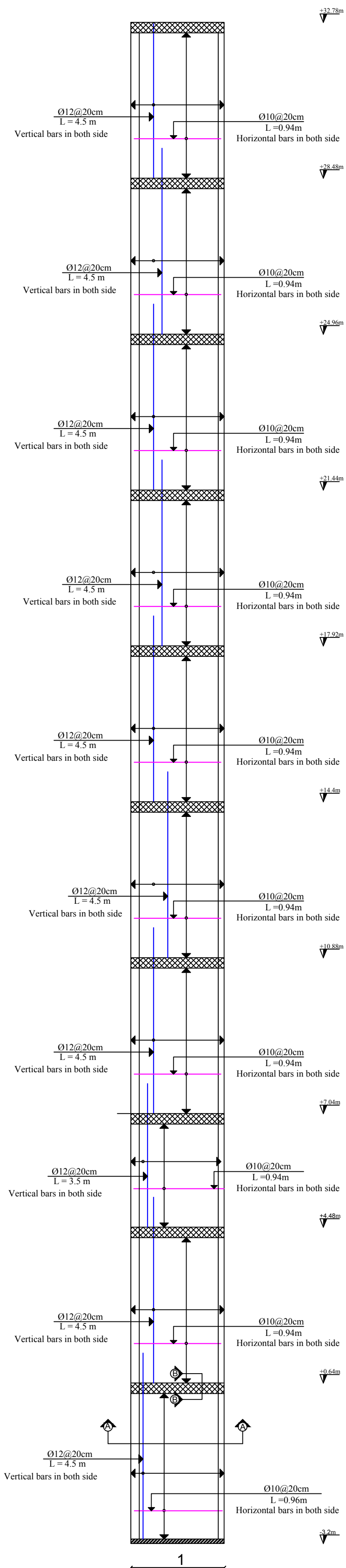
Drawing Contains:

Shear Walls
& Basement Walls Plan

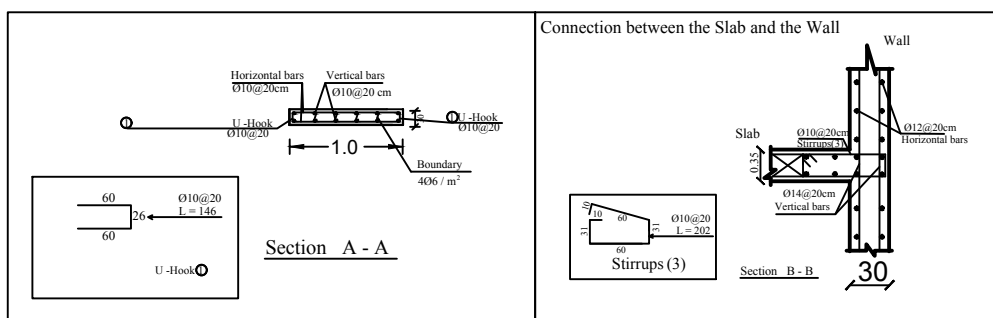
Scale:
(1:150)

No :
S32

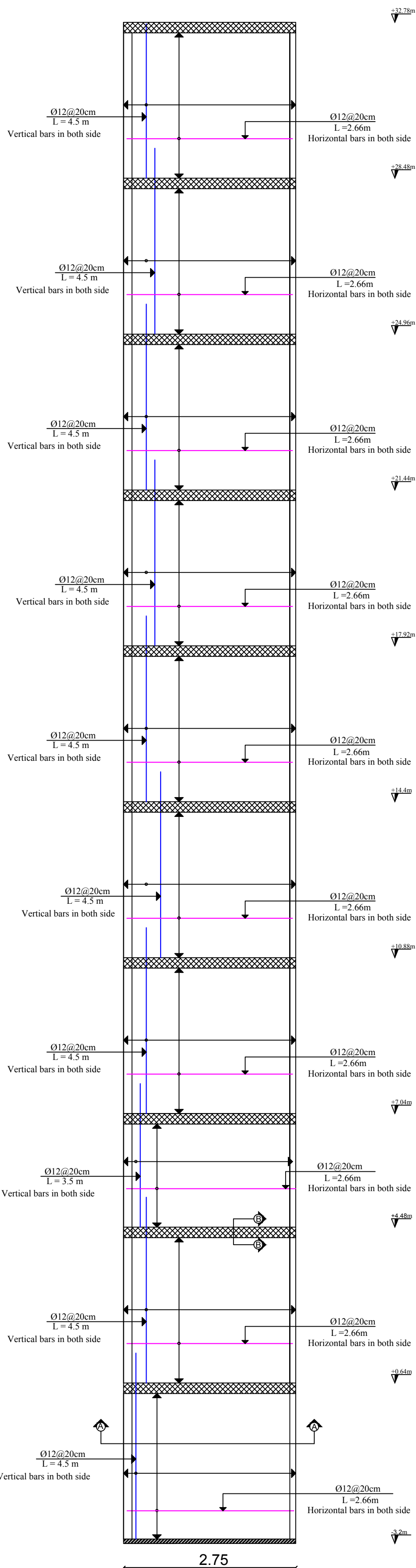
SW A7,B9,C9



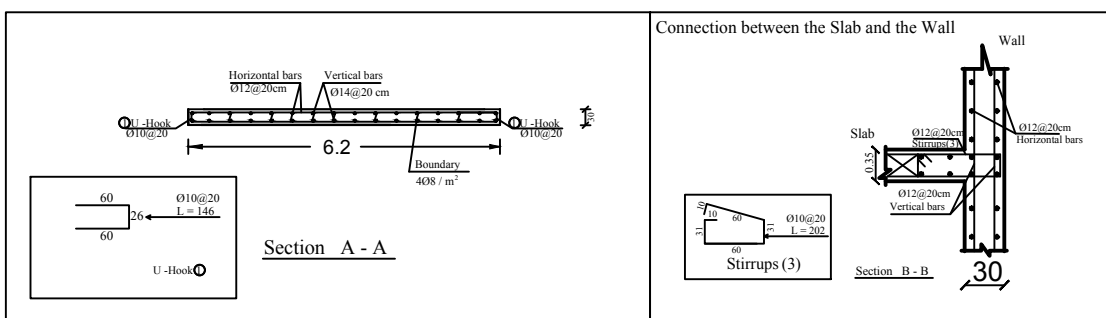
U-Hook ②



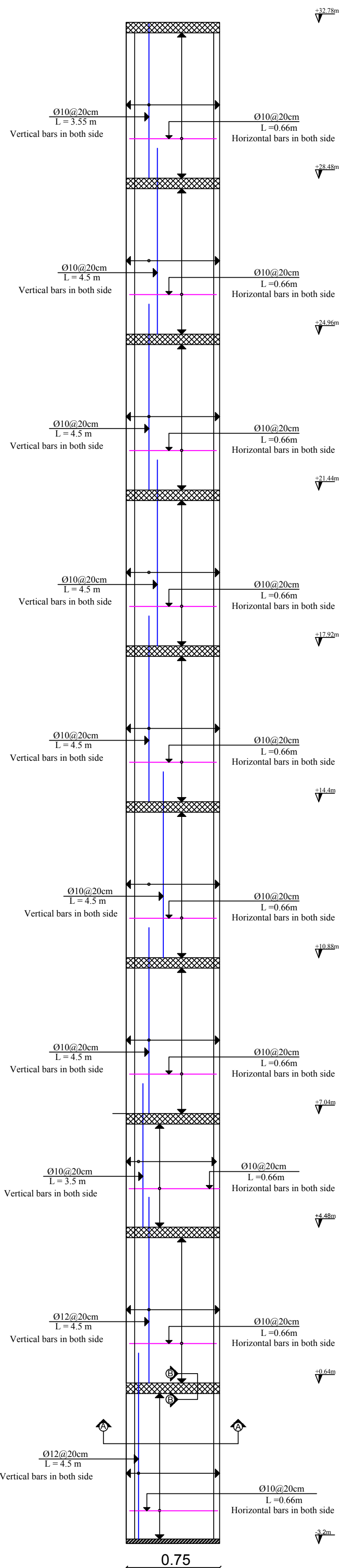
SW A9,B7,C6



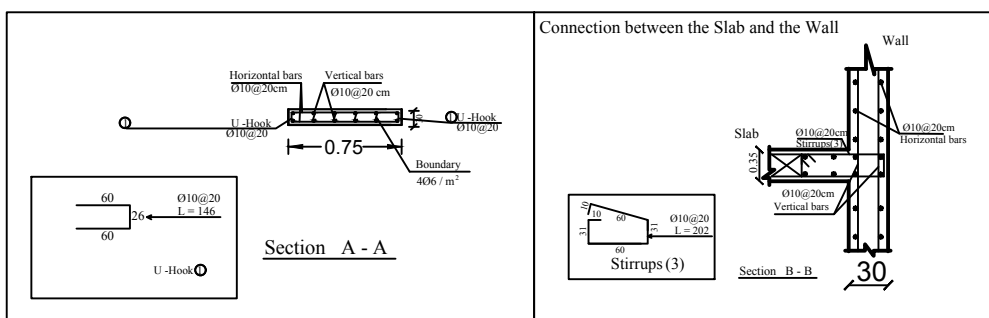
U-Hook ②

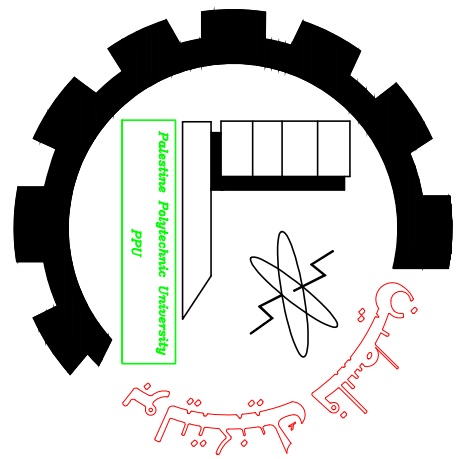


SW A8,B8,C8

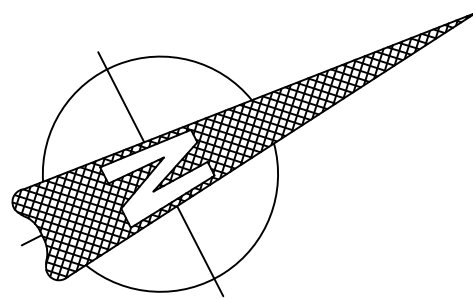


U-Hook ②





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Surface Area

Slab Thickness

-

- cm

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Graduation Project

Supervisors :

Eng. Hamdi Idaes

Done by :

Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Tounmar

Drawing Contains:

Shear Walls
& Basement Walls Plan

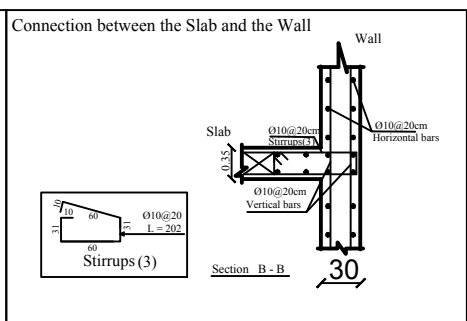
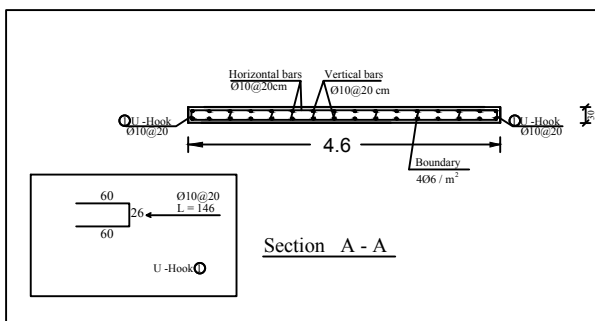
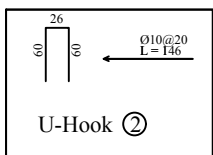
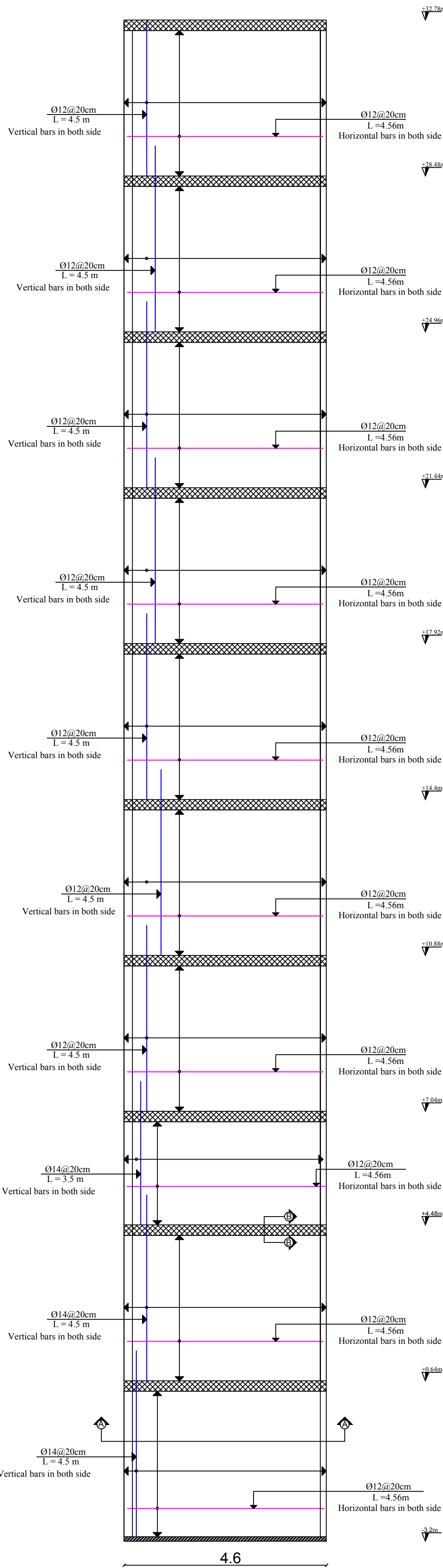
Scale:

(1:150)

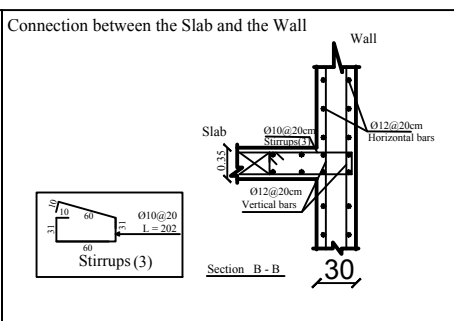
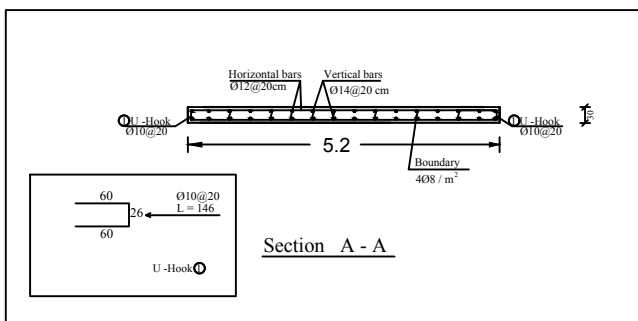
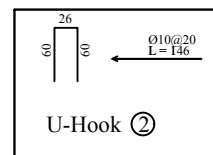
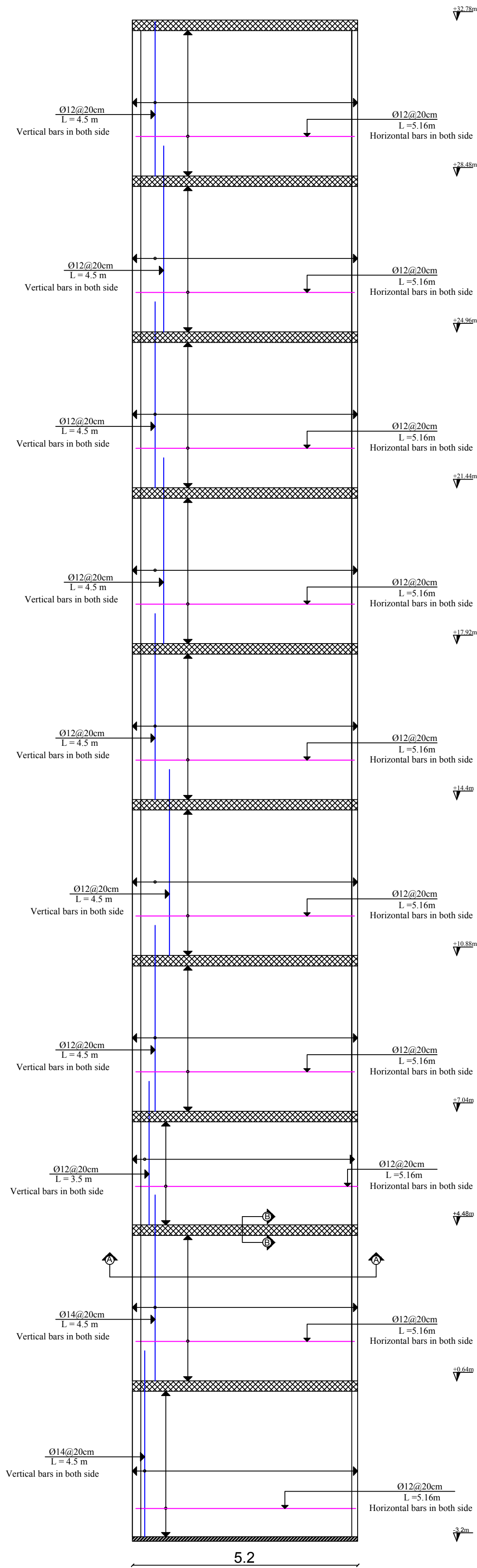
No :

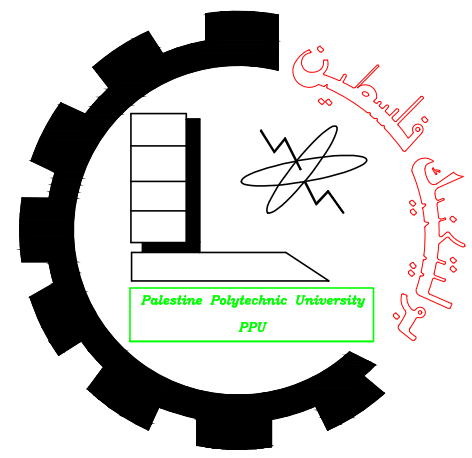
S33

SW A6,B6,C7

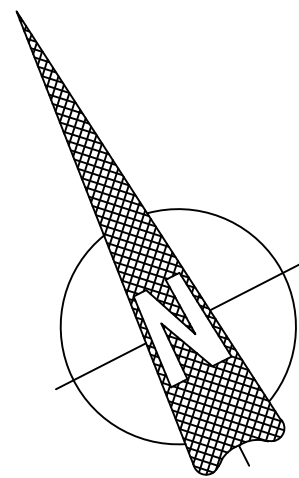


SW A5,B1,B5,C1





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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

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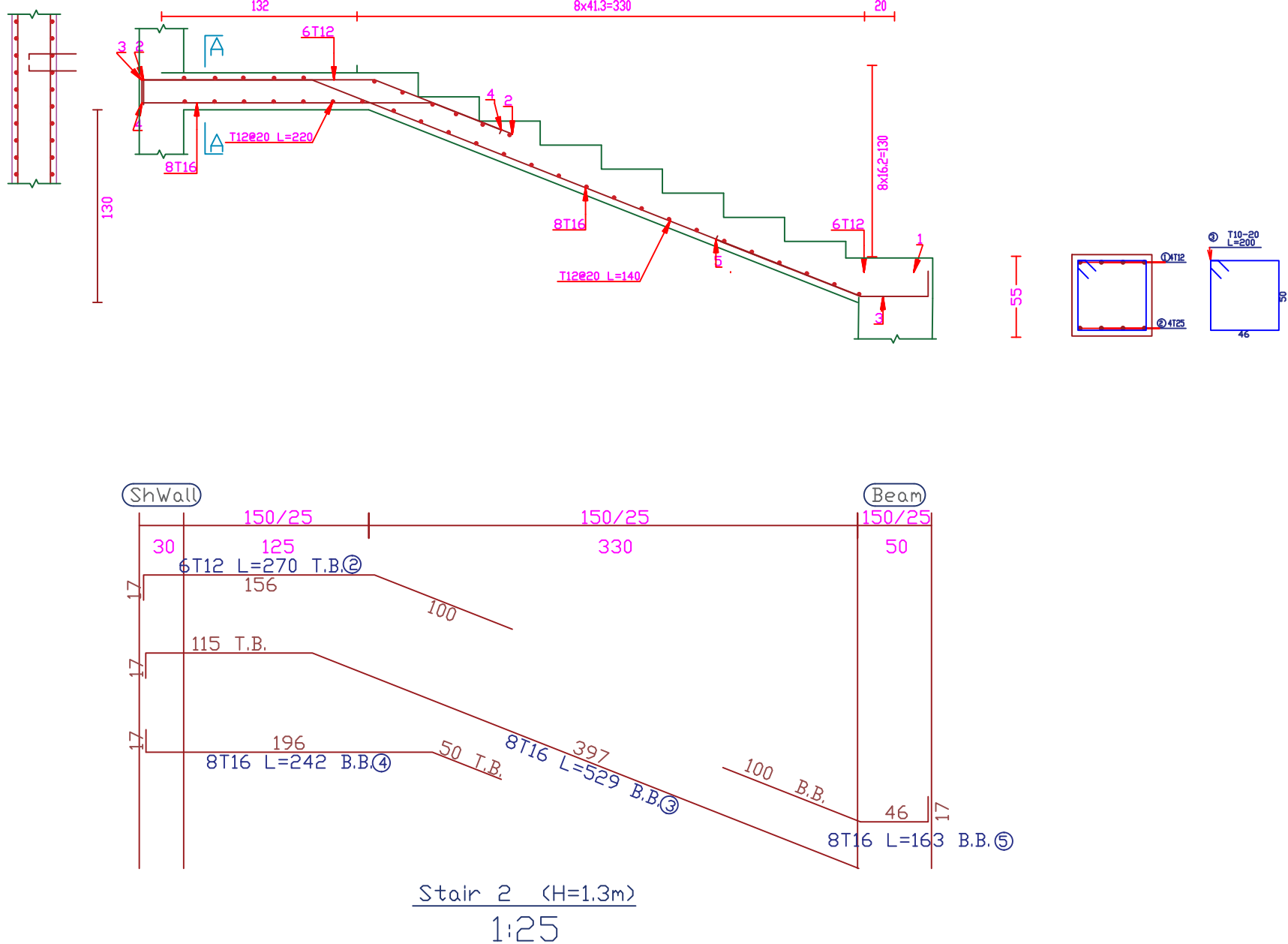
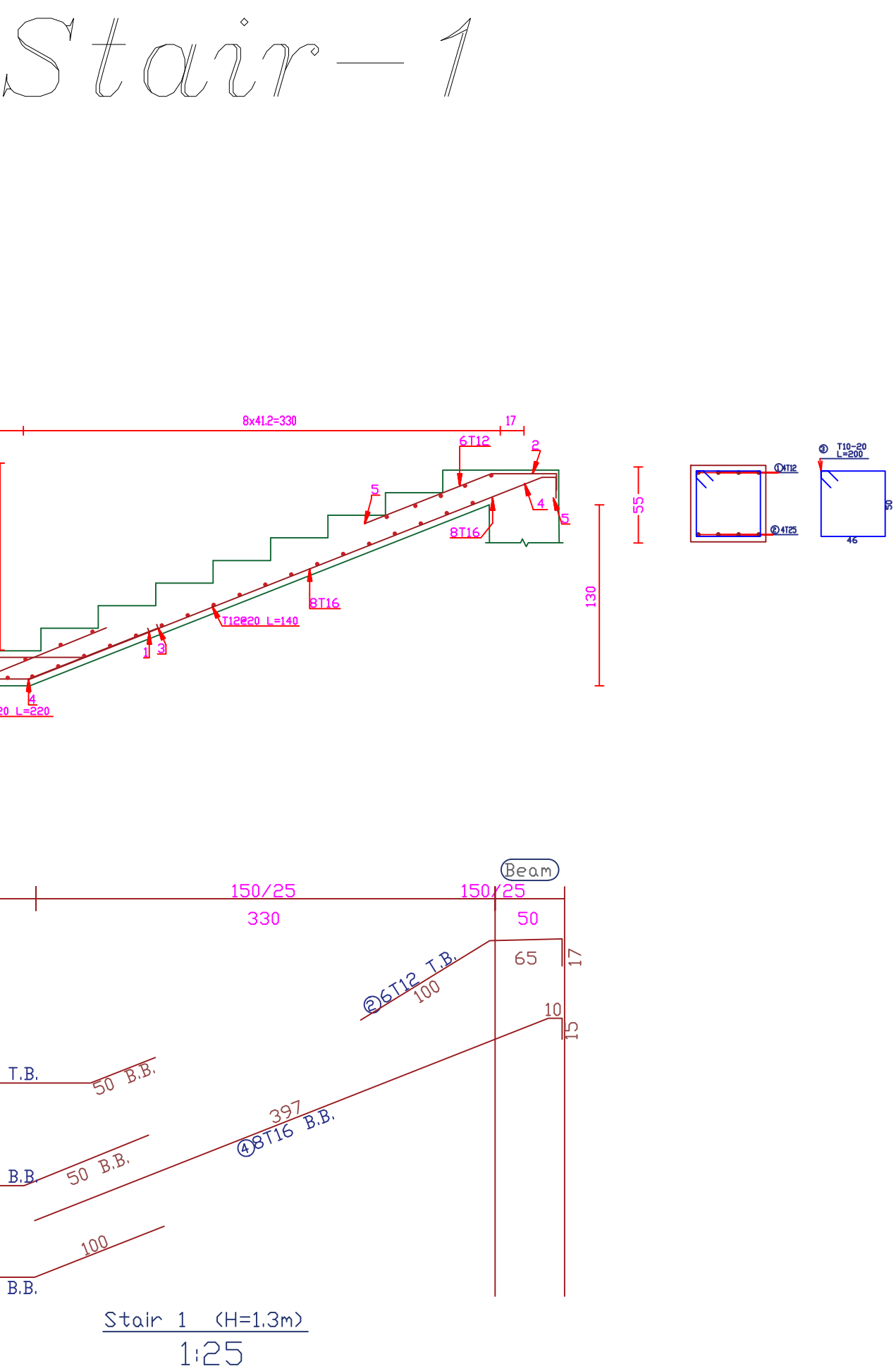
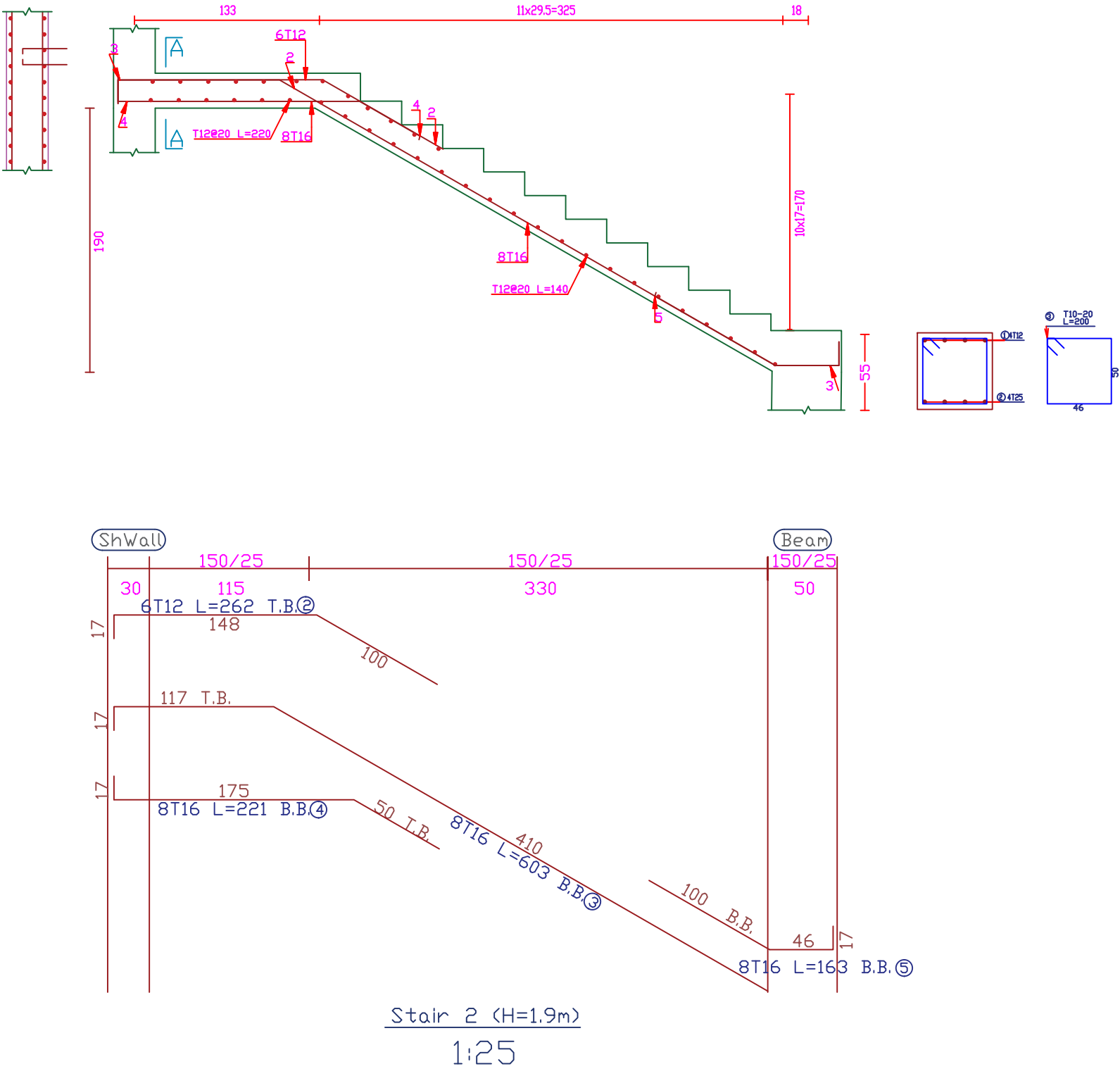
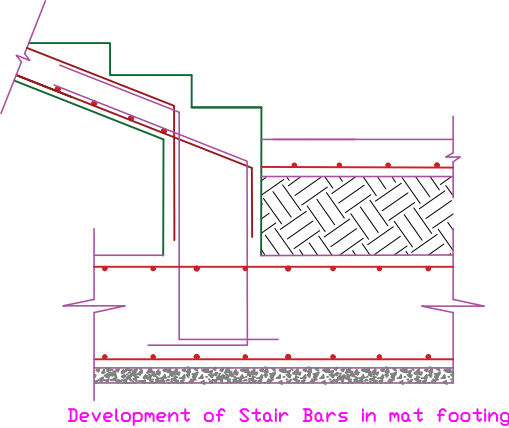
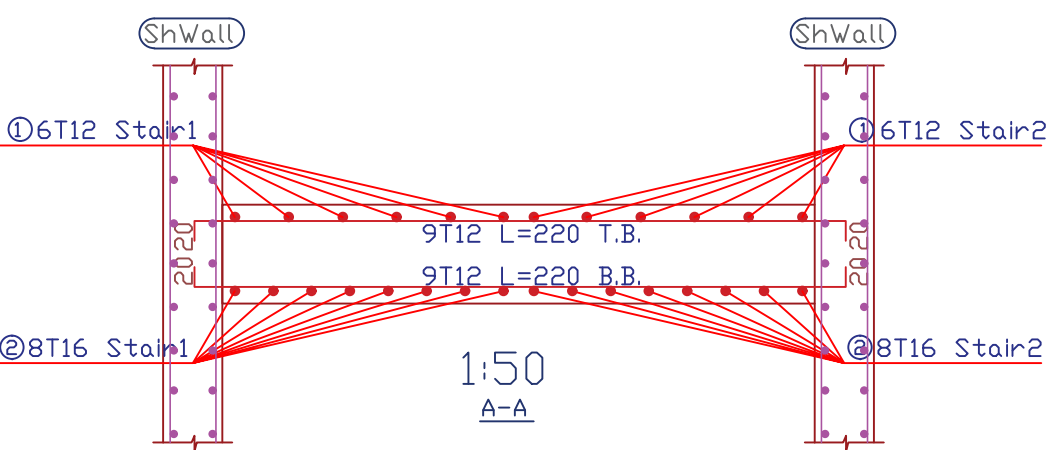
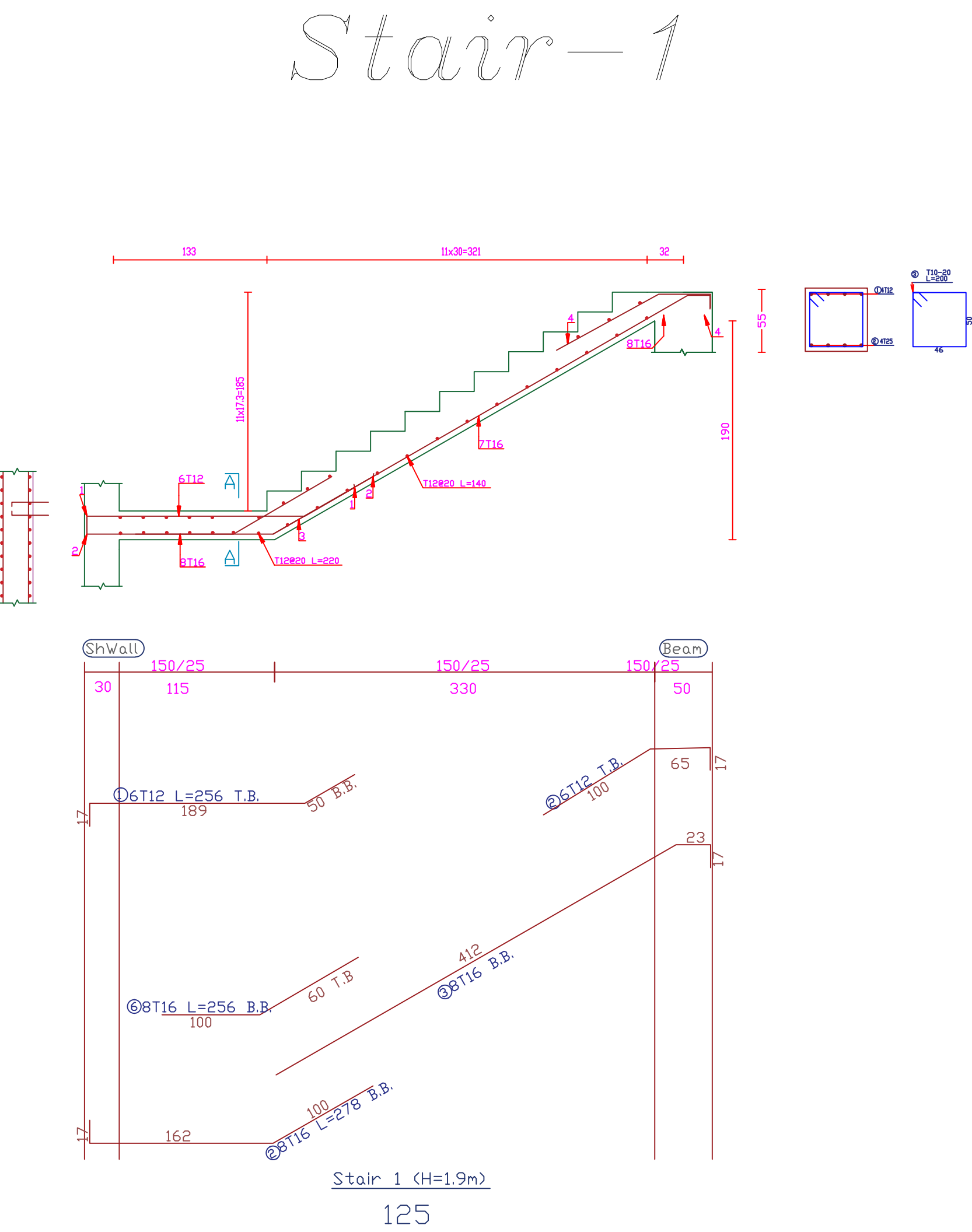
Supervisors :
Eng.Hamdi Idaes

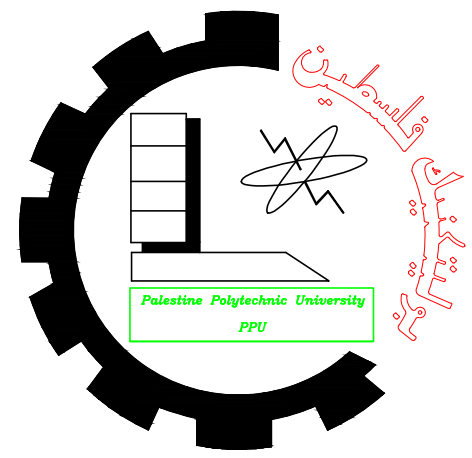
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Stairs Sections

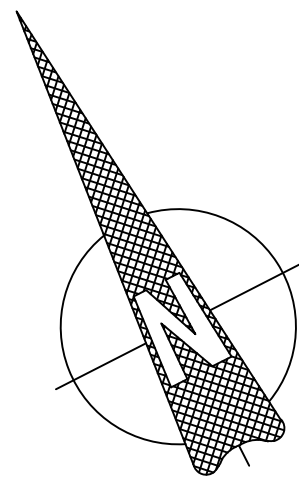
Scale:
(1:25)

No :
S34





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Civil Engineering



| Surface Area | Slab Thickness |
|---------------------|----------------|
| 1791 m ² | 35 cm |

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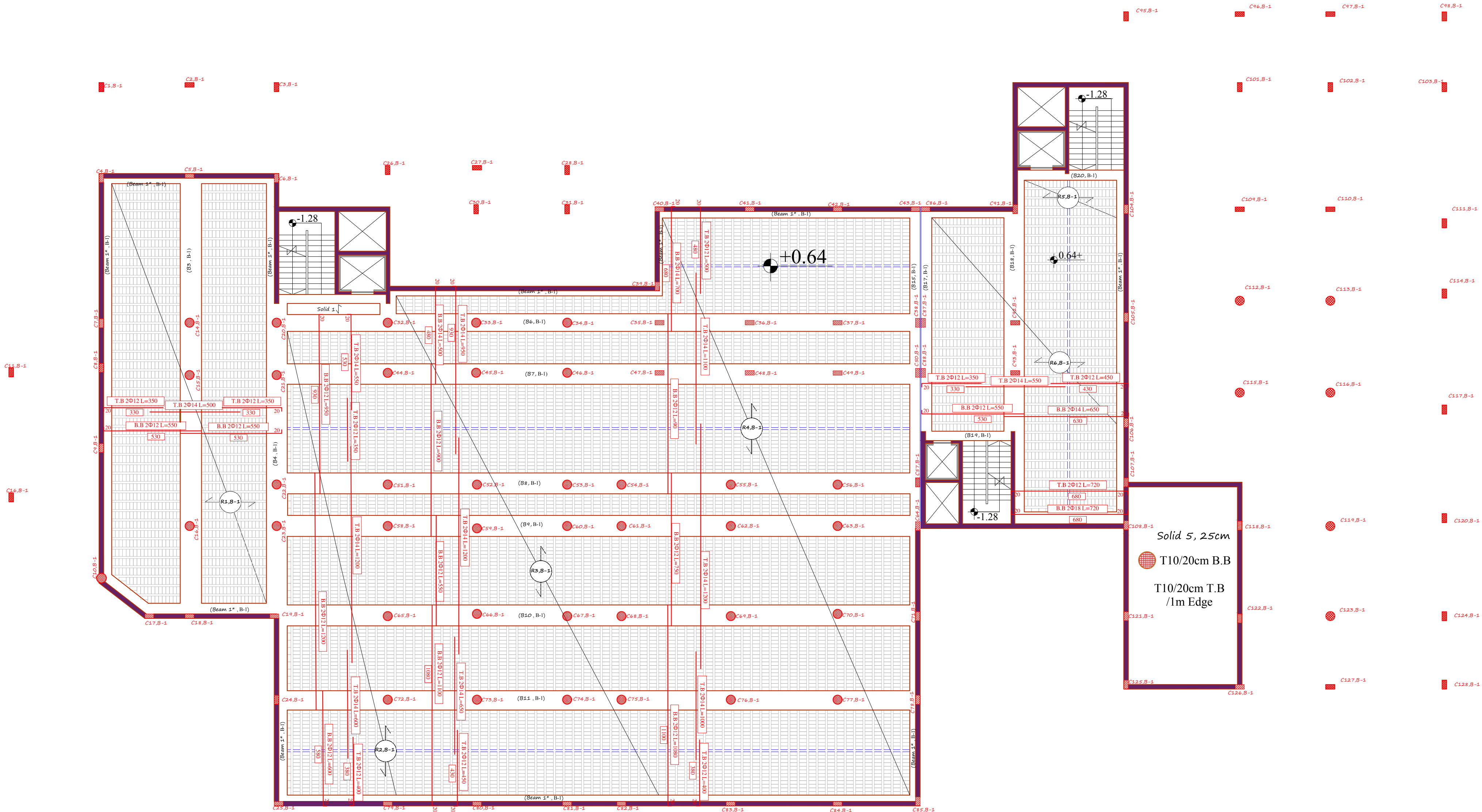
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Basement Floor
Slab Details Plan

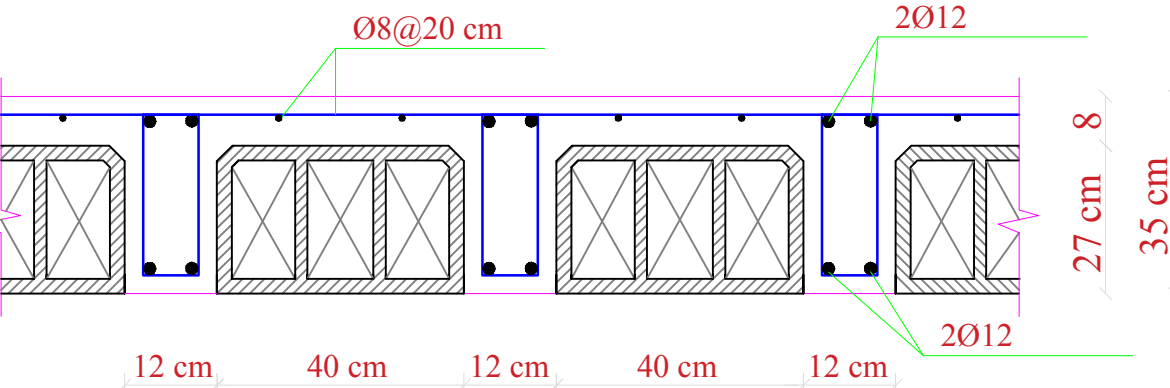
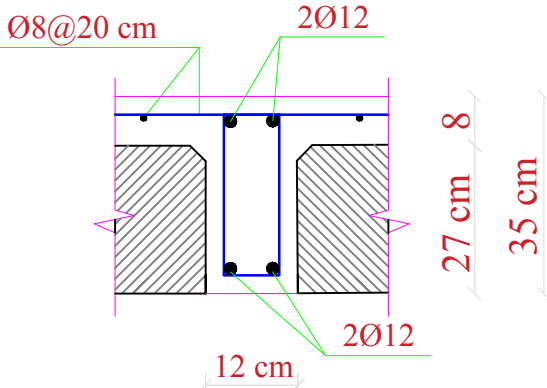
Scale:
(1:150)

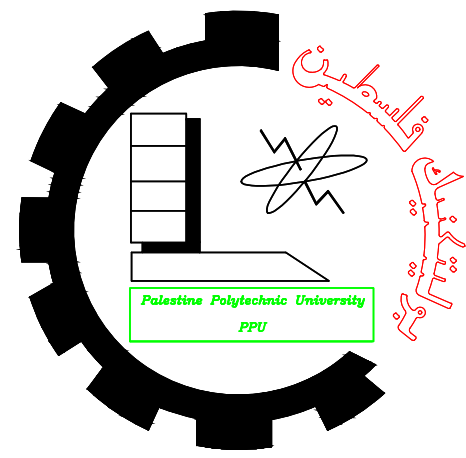
No:
S35



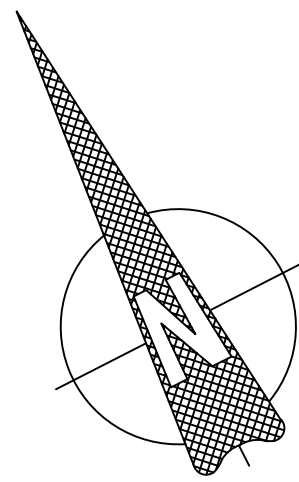
Basement Floor

Scale : (1:150)





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| Surface Area | Slab Thickness |
|---------------------|----------------|
| 2048 m ² | 35 cm |

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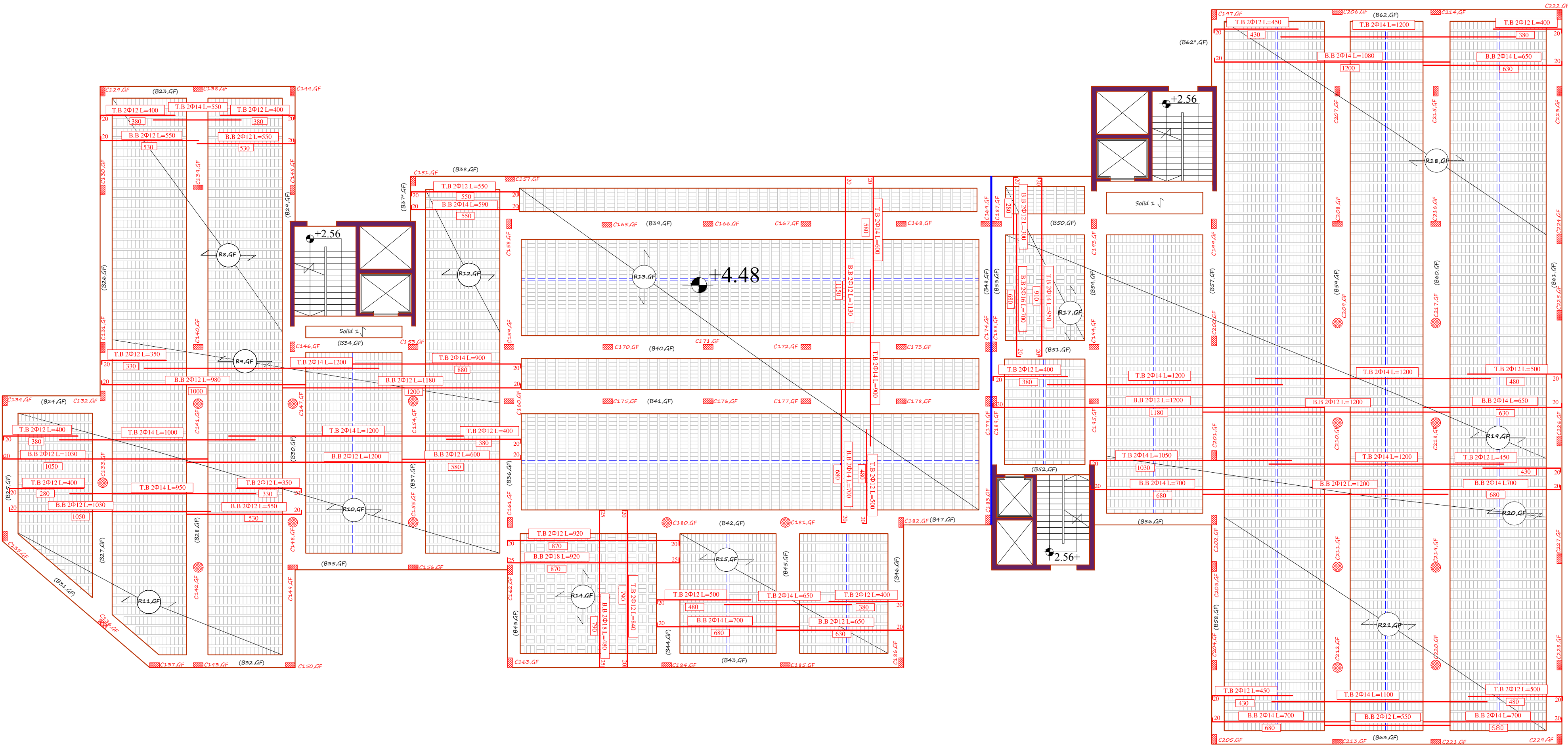
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

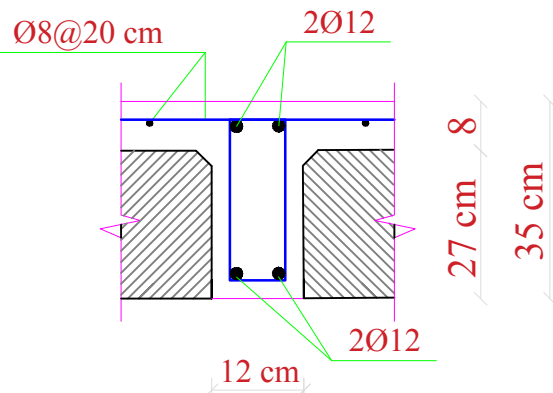
GF & Service Floor
Slab Details Plan

| | |
|---------------------|------------|
| Scale: (1:150) | No: S36 |
|---------------------|------------|

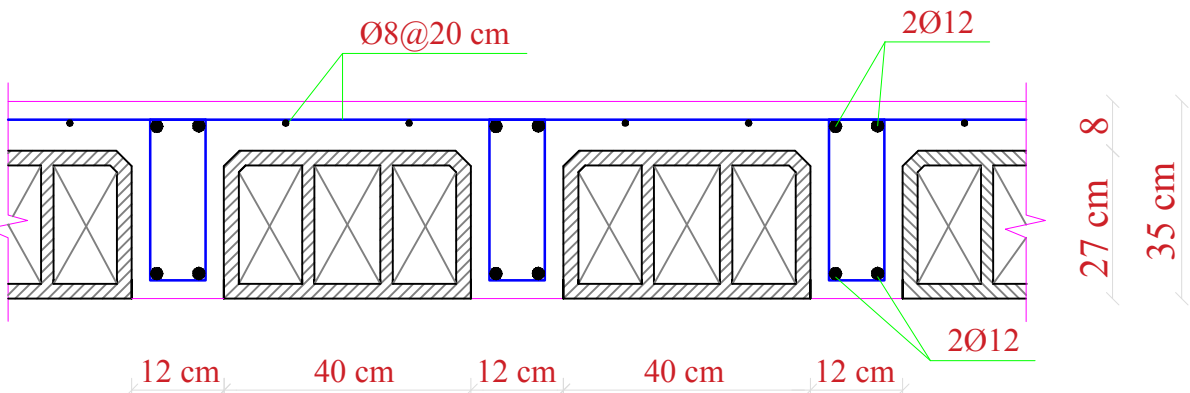


Ground Floor & Services Floor

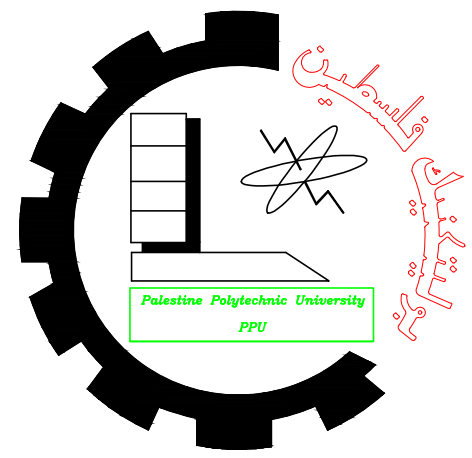
Scale : (1:150)



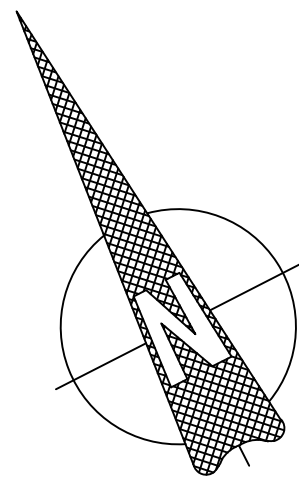
Distribution Rib
Scale 1:10



SECTION A-A
Scale 1:10



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| Surface Area | Slab Thickness |
|---------------------|----------------|
| 1854 m ² | 35 cm |

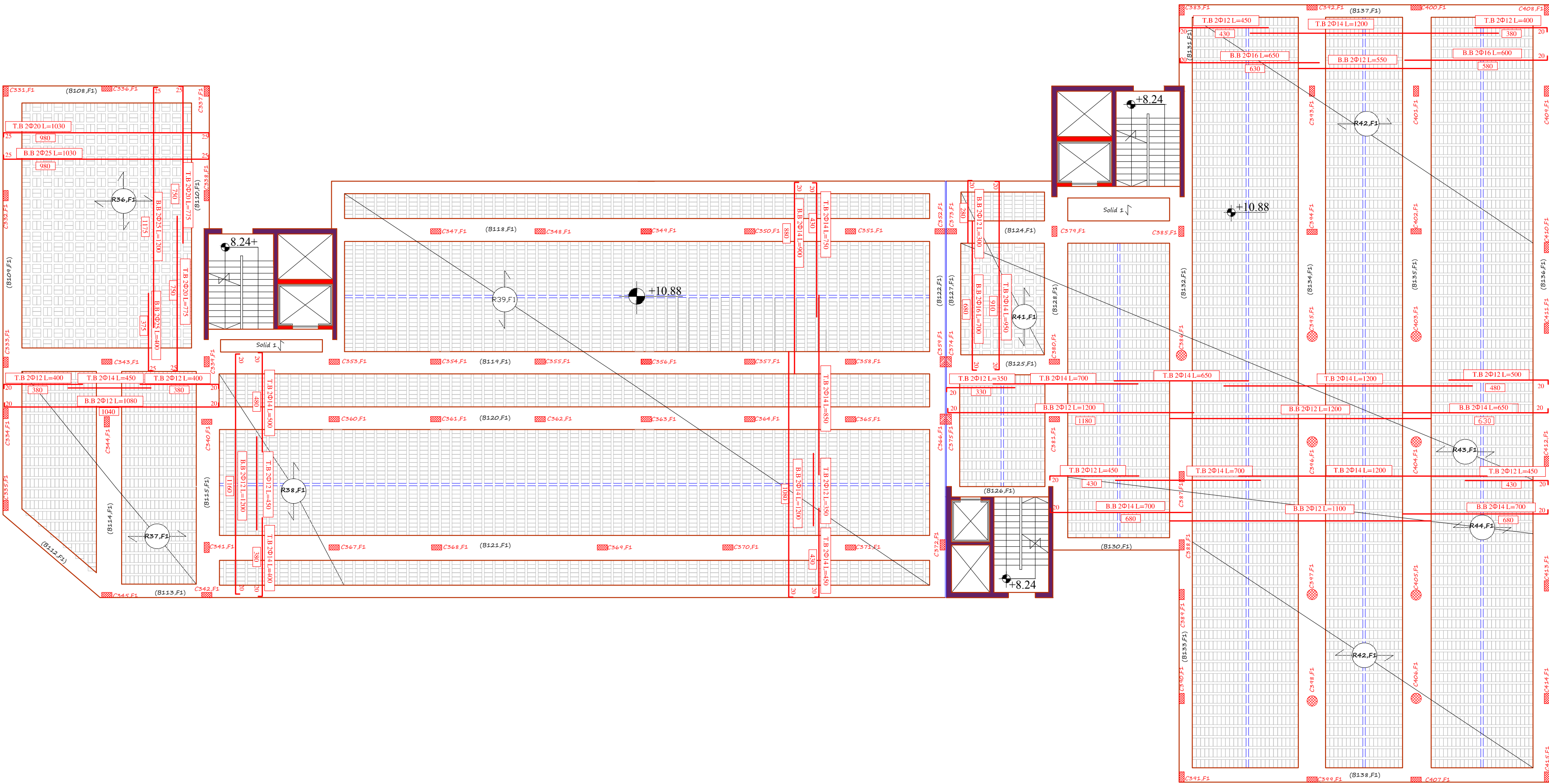
PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

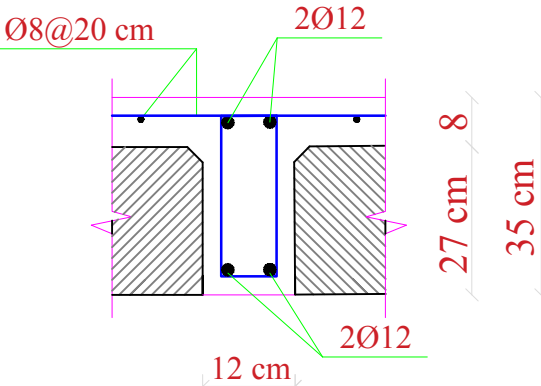
Drawing Contains:
First Floor
Slab Details Plan

| | |
|---------------------|------------|
| Scale: (1:150) | No: S37 |
|---------------------|------------|

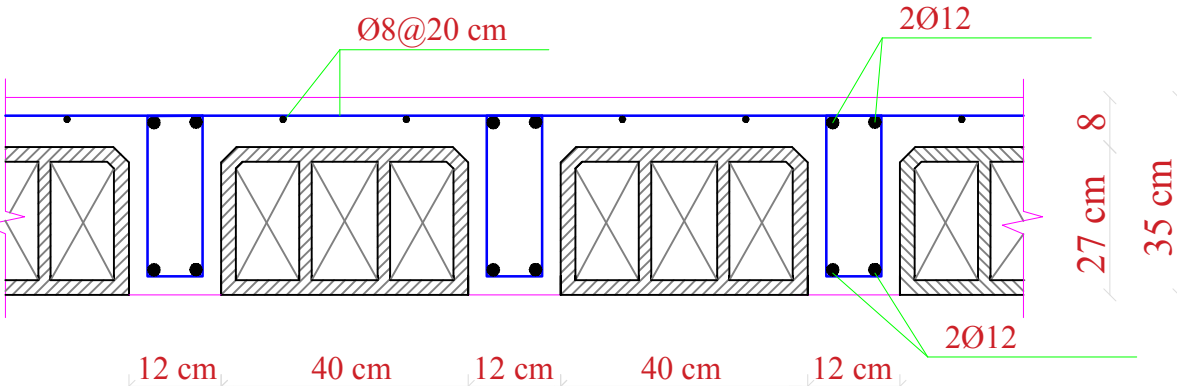


1st Floor

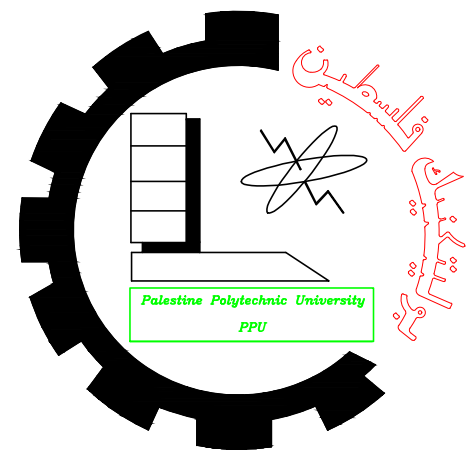
Scale : (1:150)



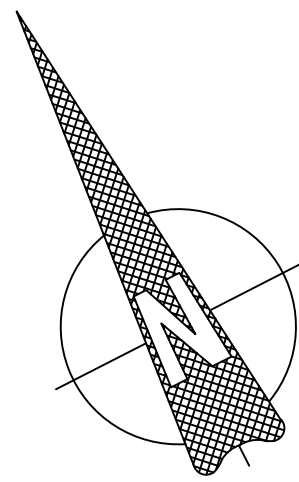
Distribution Rib
Scale 1:10



SECTION A-A
Scale 1:10



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| Surface Area | Slab Thickness |
|---------------------|----------------|
| 1651 m ² | 33 cm |

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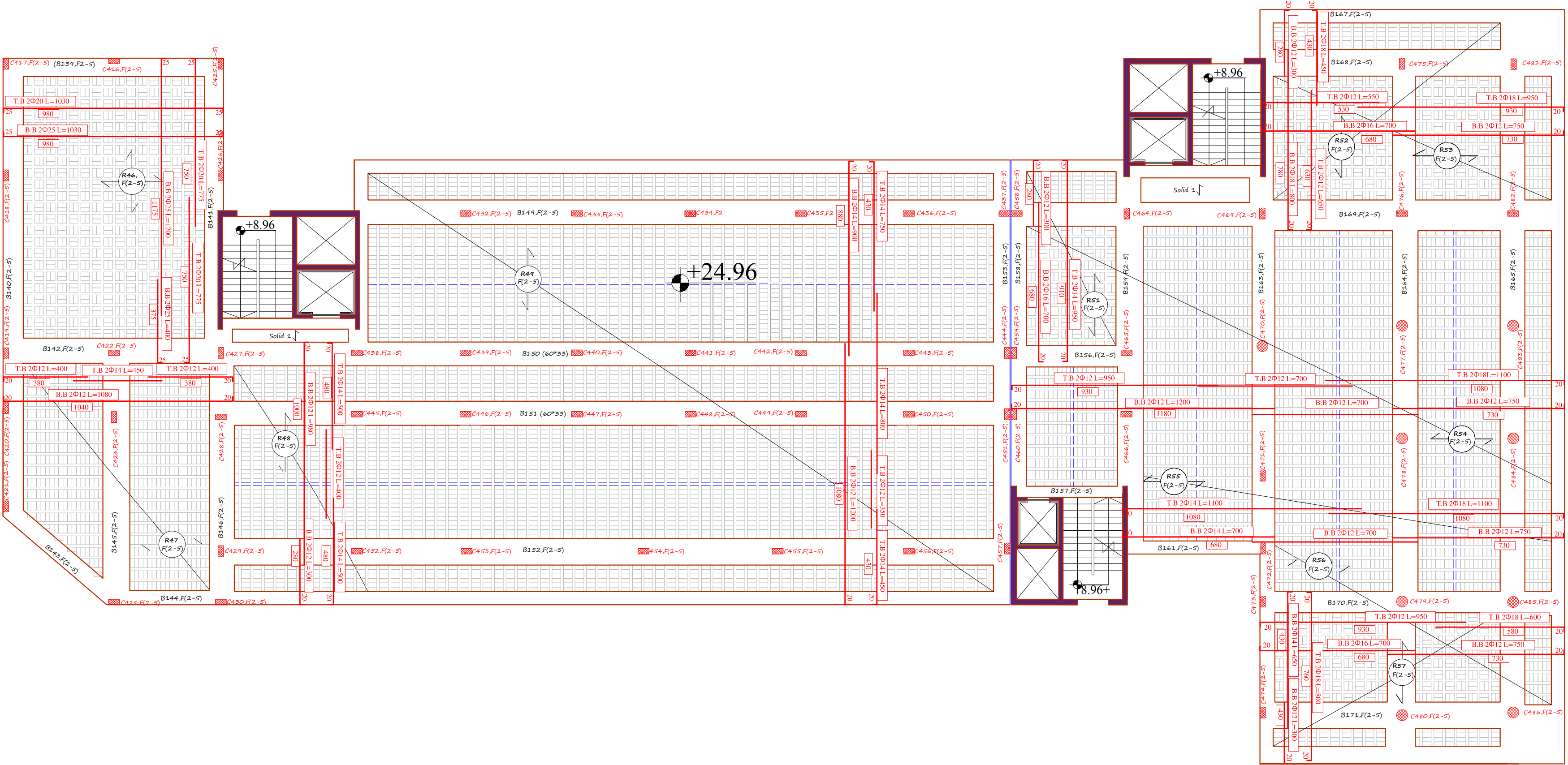
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

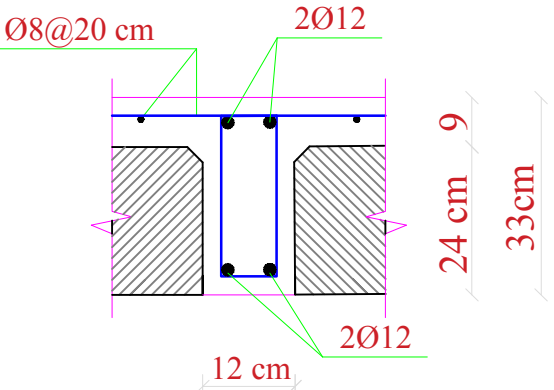
2-5 th Floors
Slab Details Plan

| | |
|---------------------|------------|
| Scale: (1:150) | No: S38 |
|---------------------|------------|

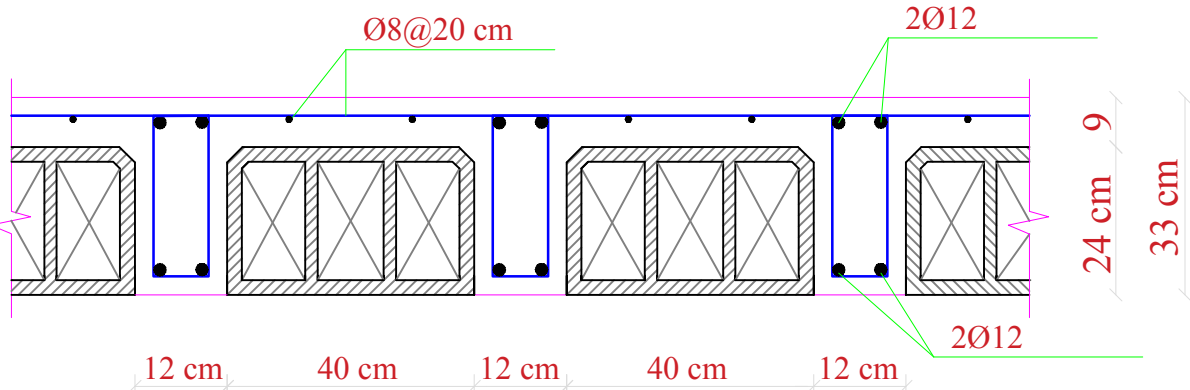


2-5th Floor

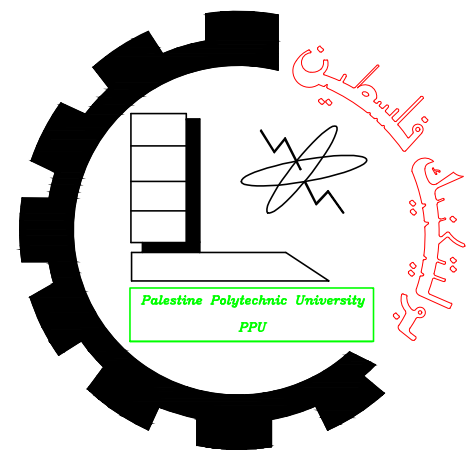
Scale : (1:150)



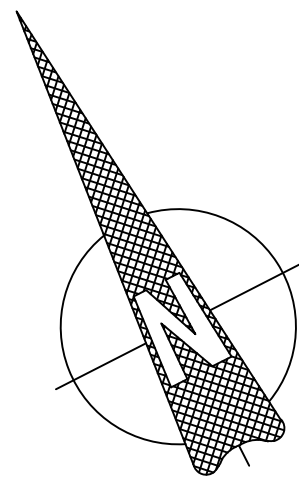
Distribution Rib
Scale 1:10



SECTION A-A
Scale 1:10



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| Surface Area | Slab Thickness |
|---------------------|----------------|
| 1187 m ² | 33 cm |

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Graduation Project

Supervisors :
Eng.Hamdi Idaes

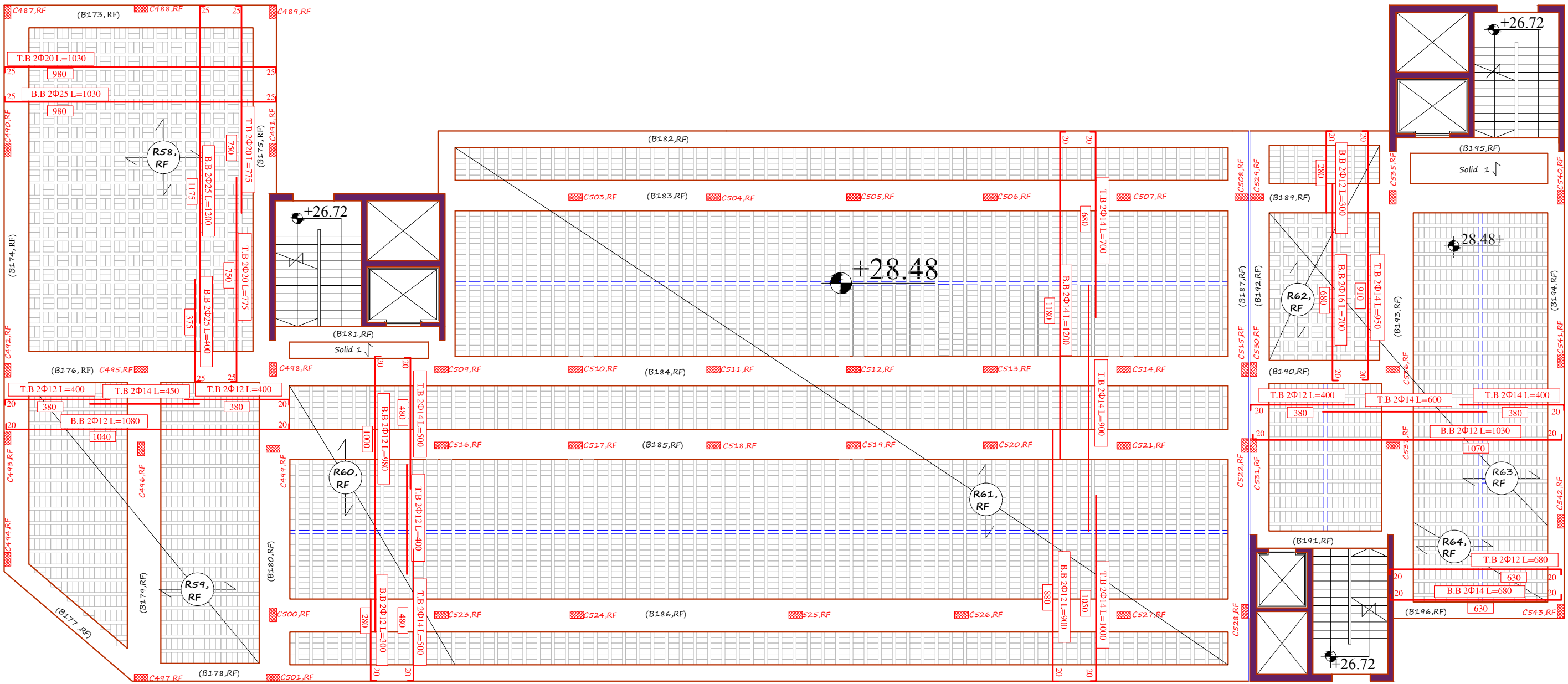
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:

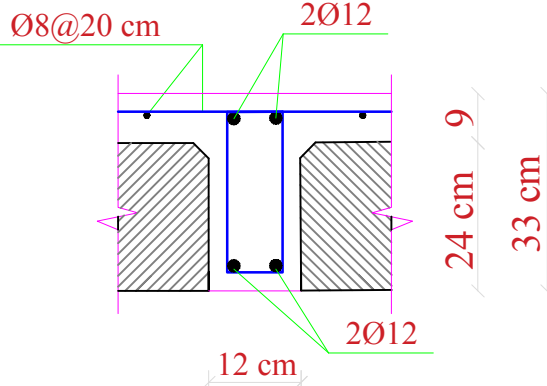
Roof Floor
Slab Details Plan

Scale:
(1:150)

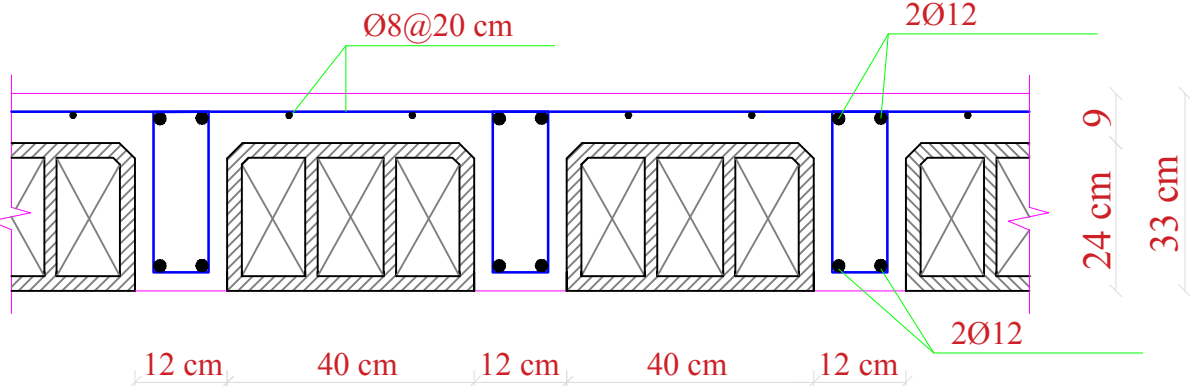
No:
S39



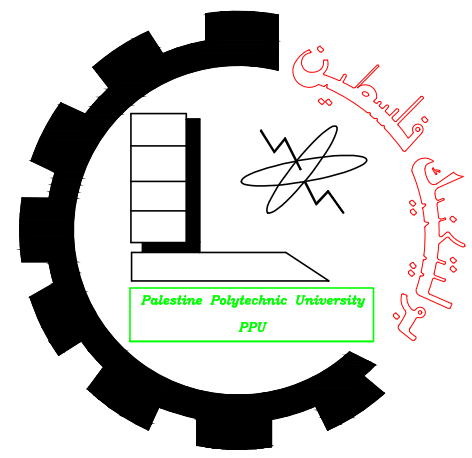
Roof Floor
Scale 1-150



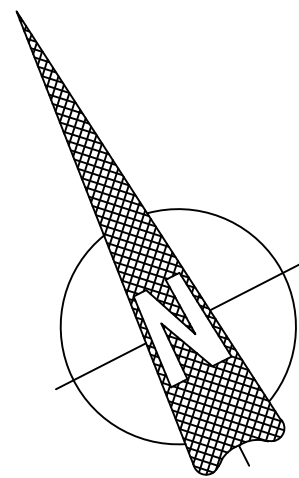
Distribution Rib
Scale 1:10



SECTION A-A
Scale 1:10



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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

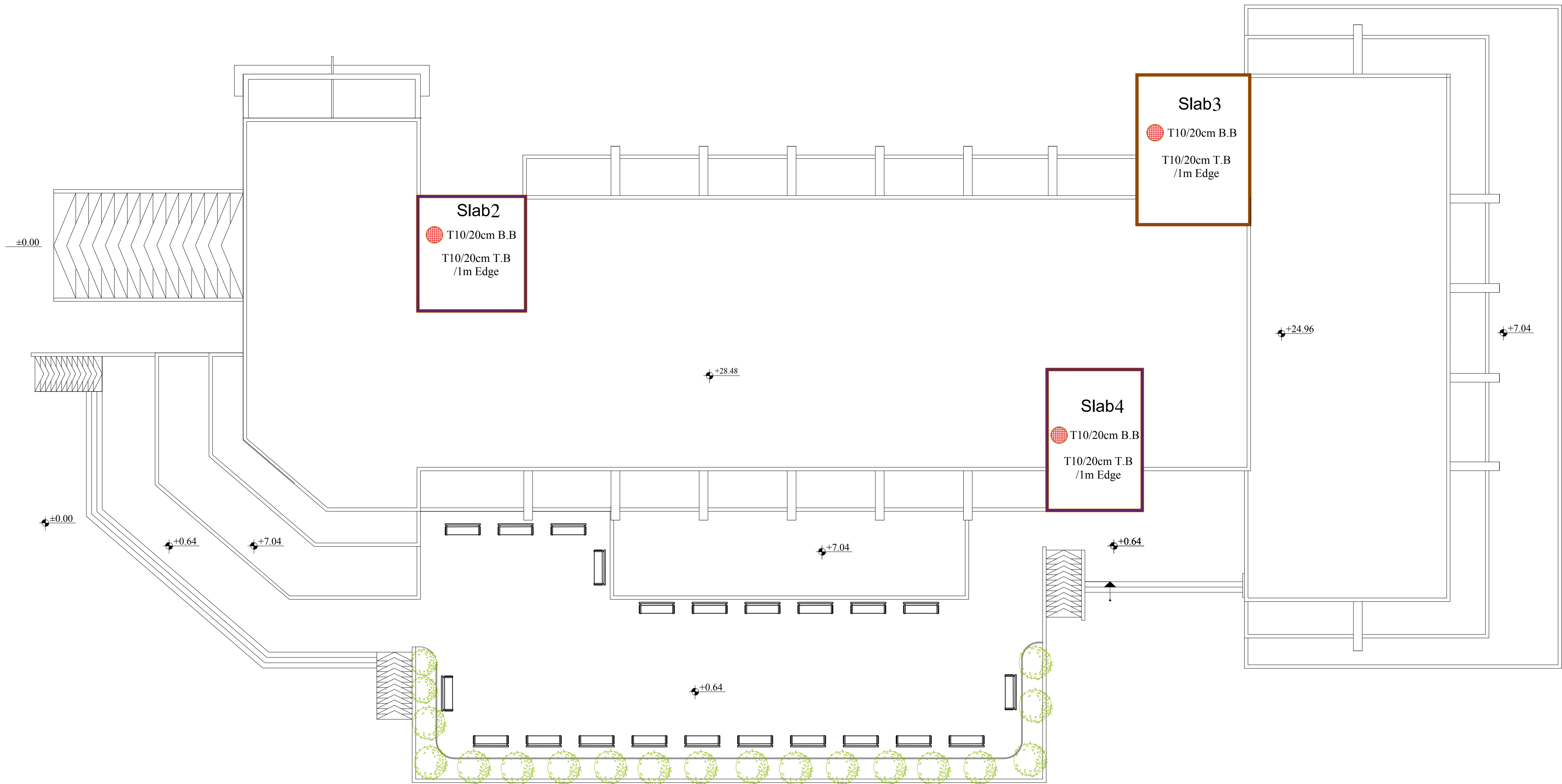
PPU
Graduation Project

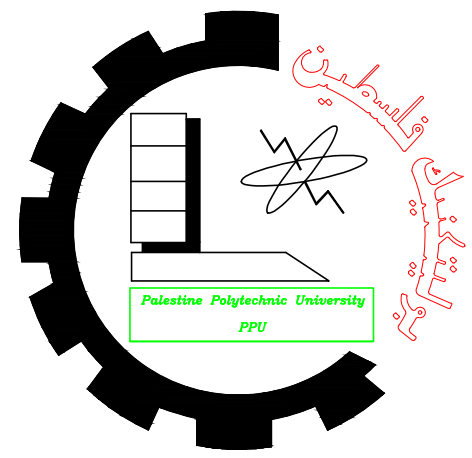
Supervisors :
Eng.Hamdi Idaes

Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

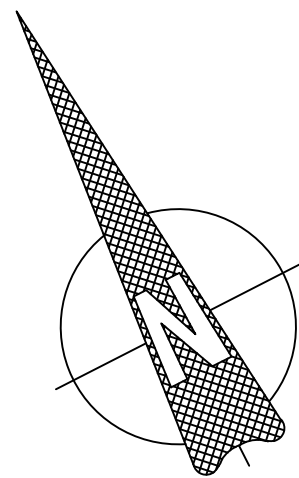
Drawing Contains:
Stair Case Slab Details Plan

| | |
|---------------------|-------------|
| Scale: (1:150) | No : S40 |
|---------------------|-------------|





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Civil Engineering



| Surface Area | Slab Thickness |
|--------------|----------------|
| — | — cm |

PPU
Graduation Project

Supervisors :
Eng.Hamdi Idaes

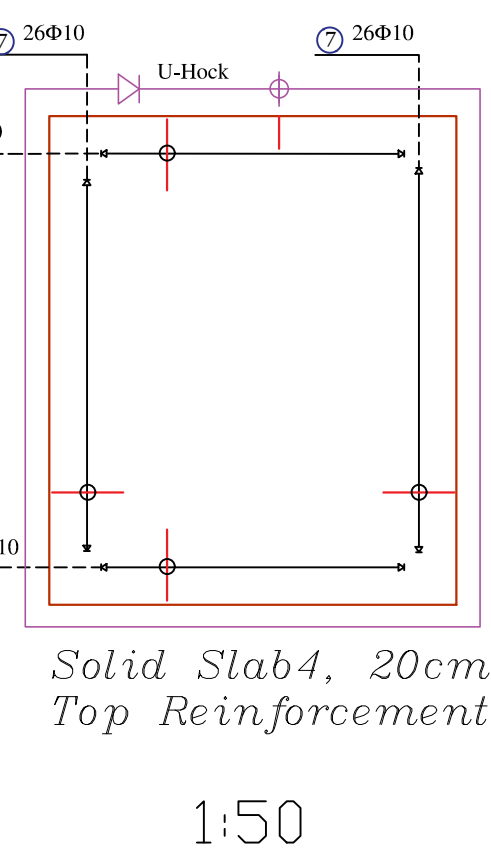
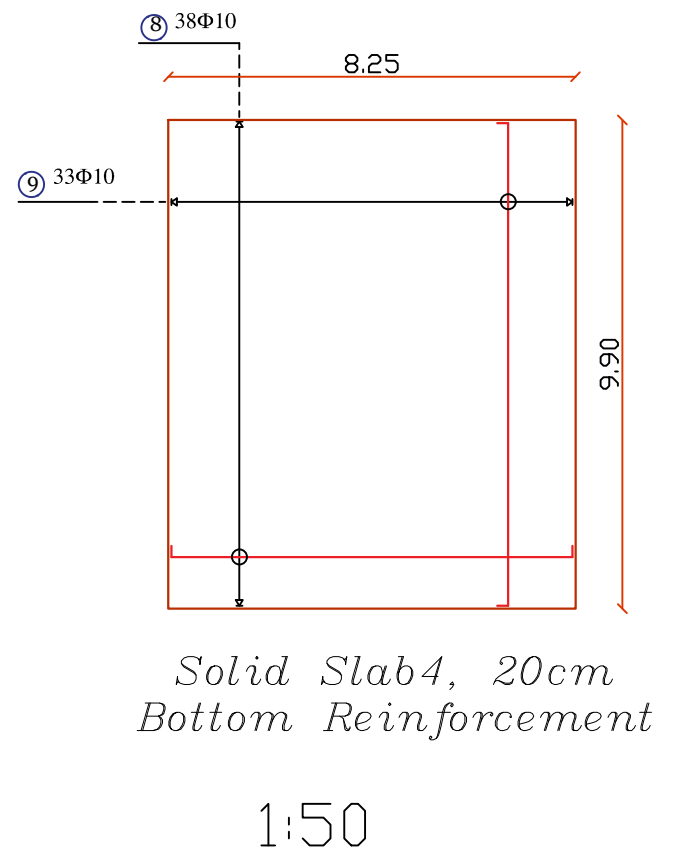
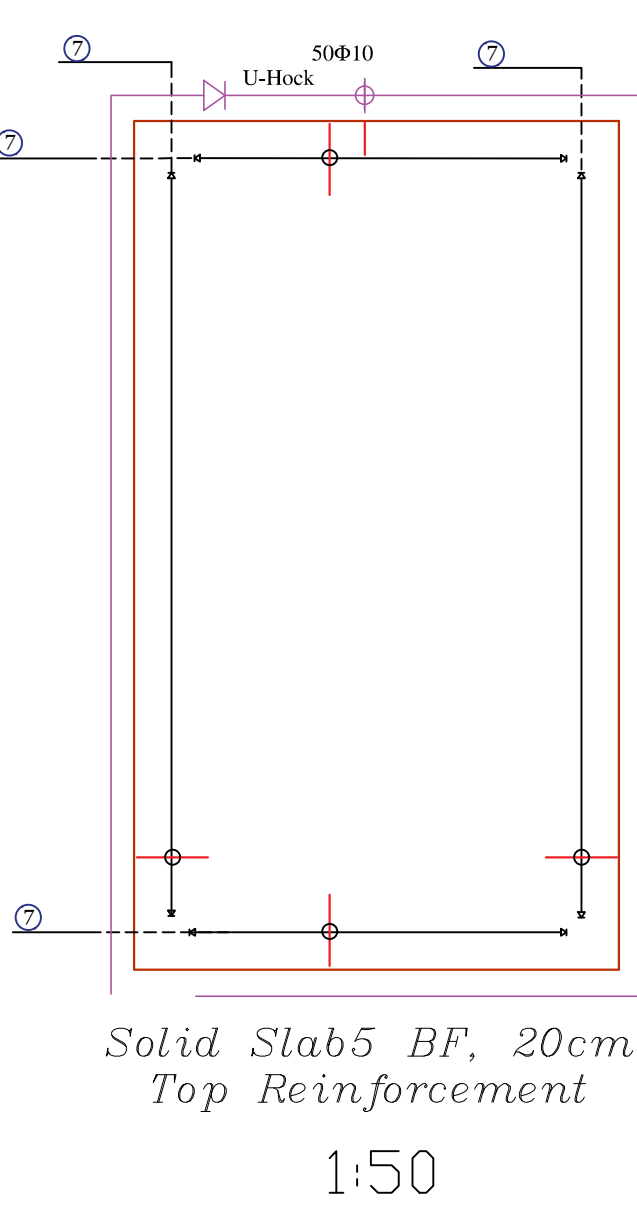
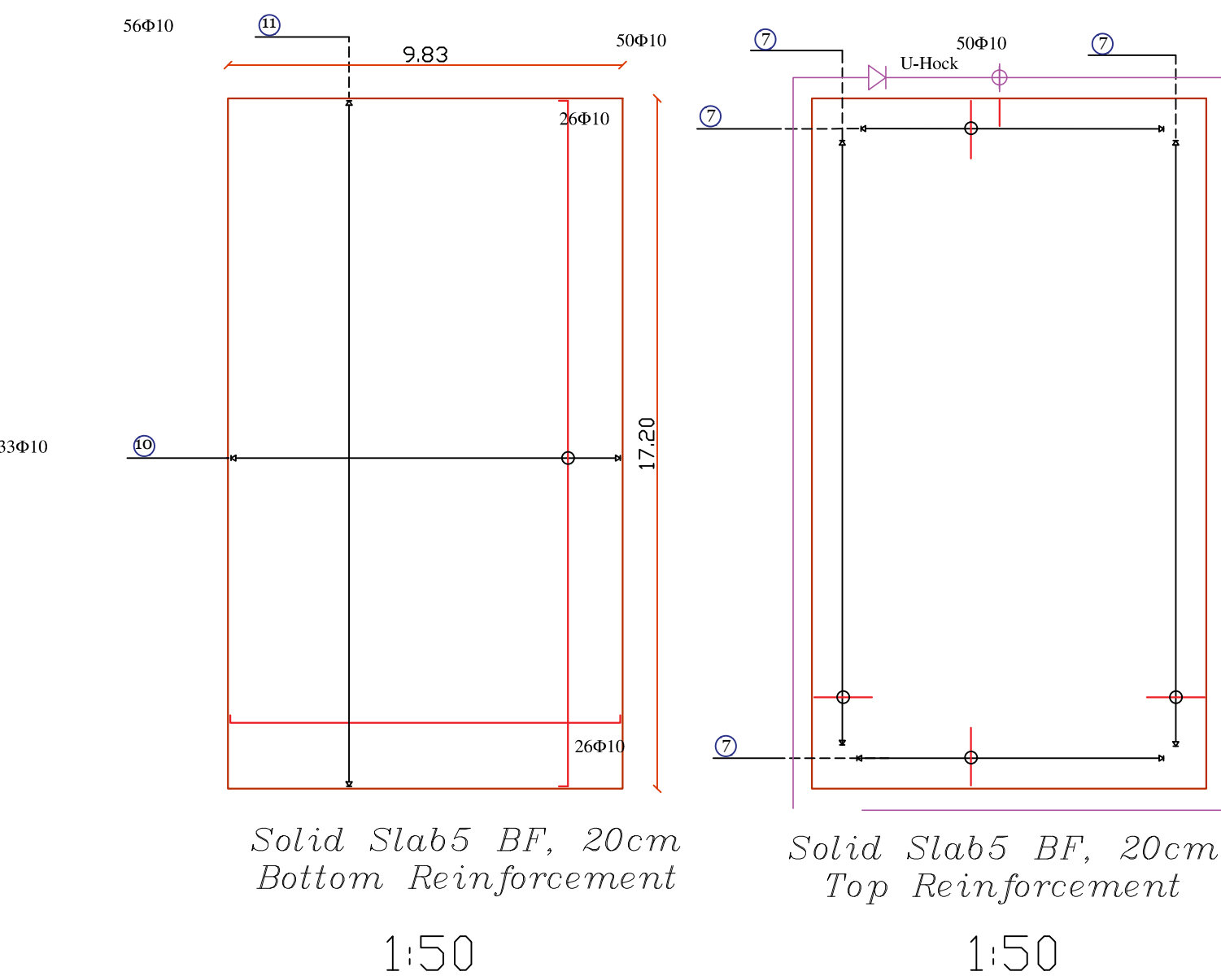
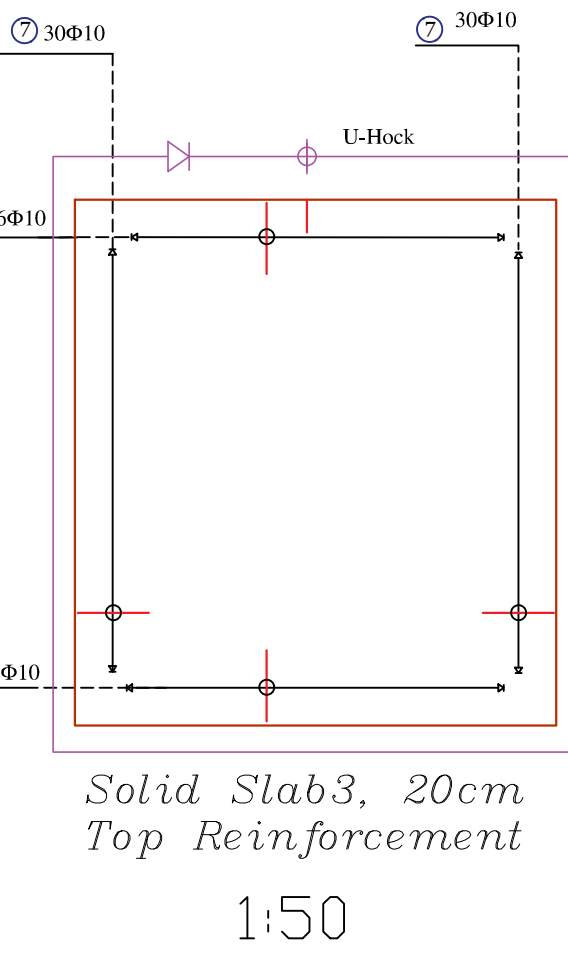
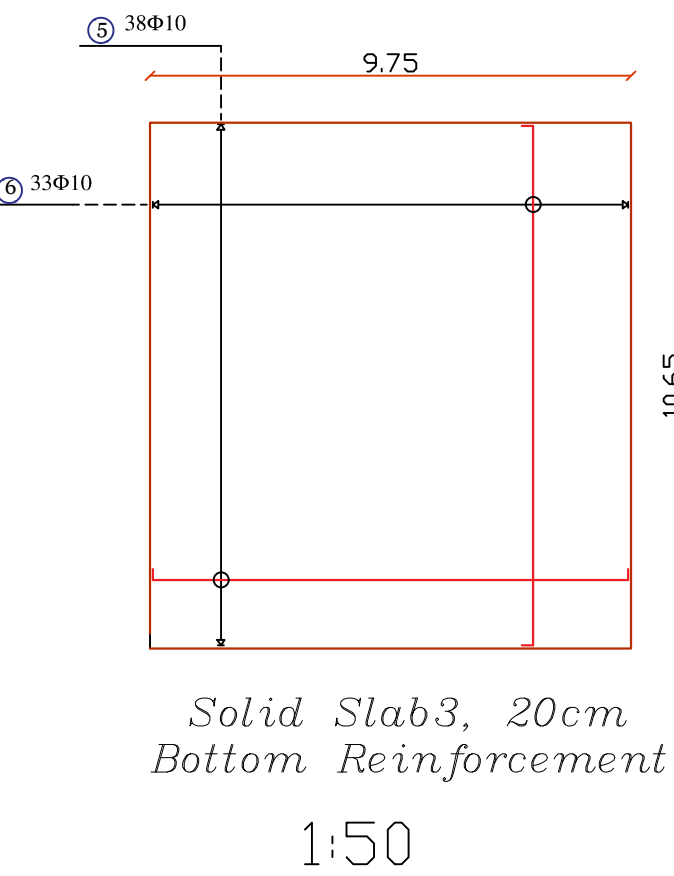
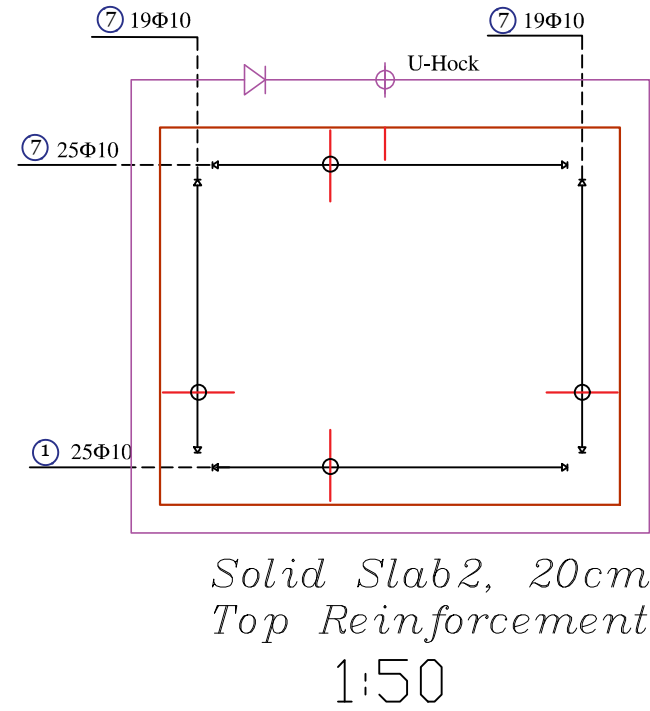
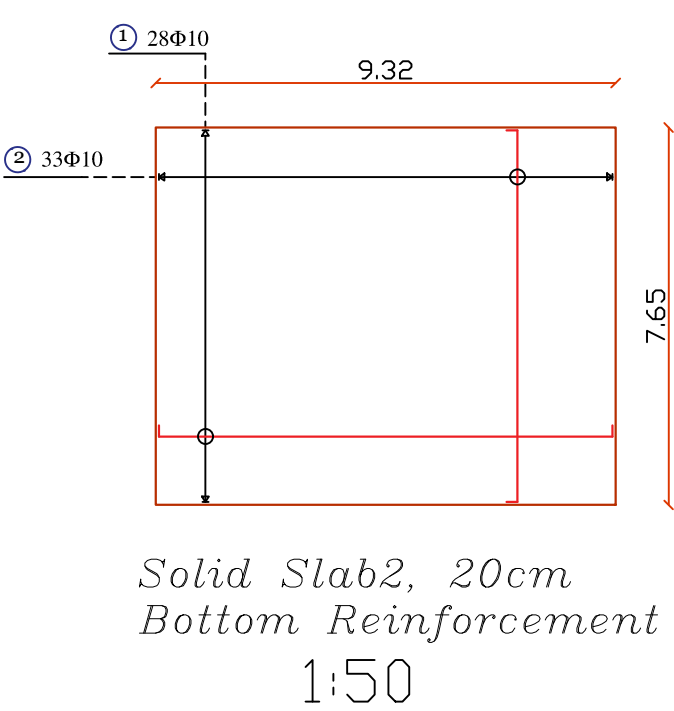
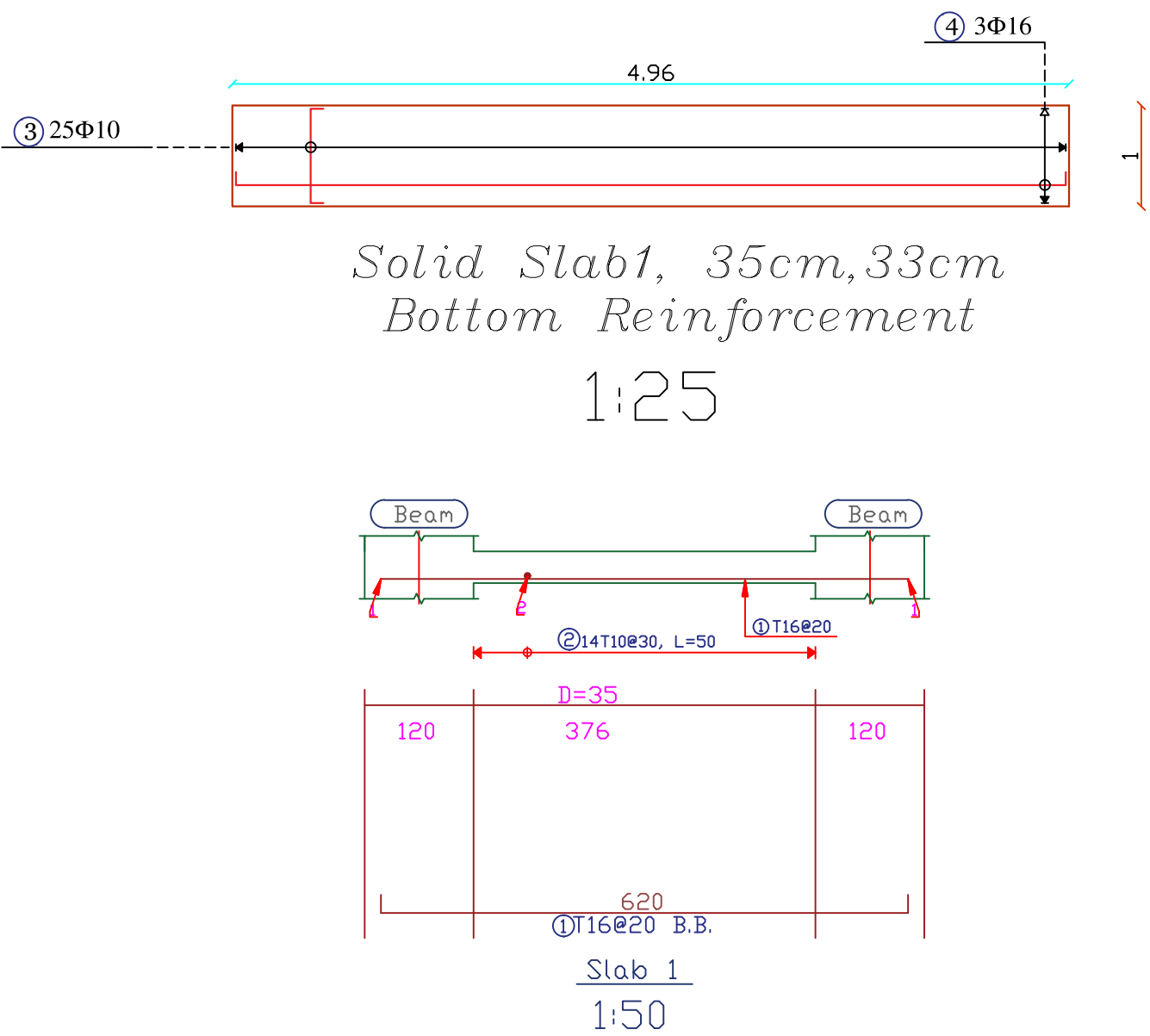
Done by :
Mahmoud Hamarsha
Yazan Jabari
Aseel Alsulibe
Bayan Adi
Haya Toumar

Drawing Contains:
Solid Slabs Details

Scale:
(1:150)

No :
S41

Solid Slabs



| | |
|------|--------------------|
| 613 | 1 28Φ10, L=6.43m |
| 502 | 2 33Φ10, L=5.32m |
| 150 | 3 25Φ10, L=1.3m |
| 380 | 4 3Φ16, L=4.2m |
| 642 | 5 38Φ10, L=6.72m |
| 702 | 6 33Φ10, L=7.32m |
| 150 | 7 448Φ10, L=1m |
| 542 | 8 38Φ10, L=5.72m |
| 652 | 9 33Φ10, L=6.82m |
| 1138 | 10 33Φ10, L=11.62m |
| 647 | 11 56Φ10, L=6.77m |
| 45 | 12 Φ10, L=1.1m |