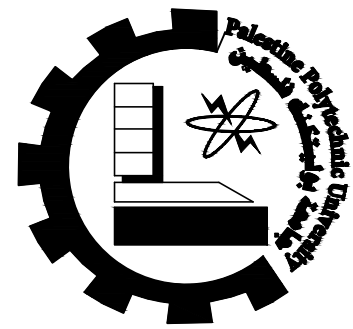
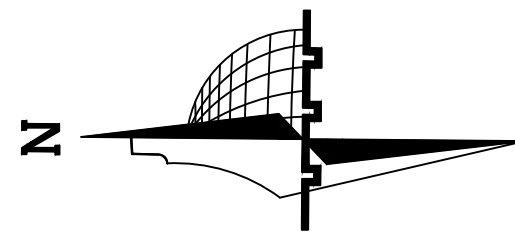


GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

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–Supervisor:

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–Students Name:

Ahmad Nimer
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Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

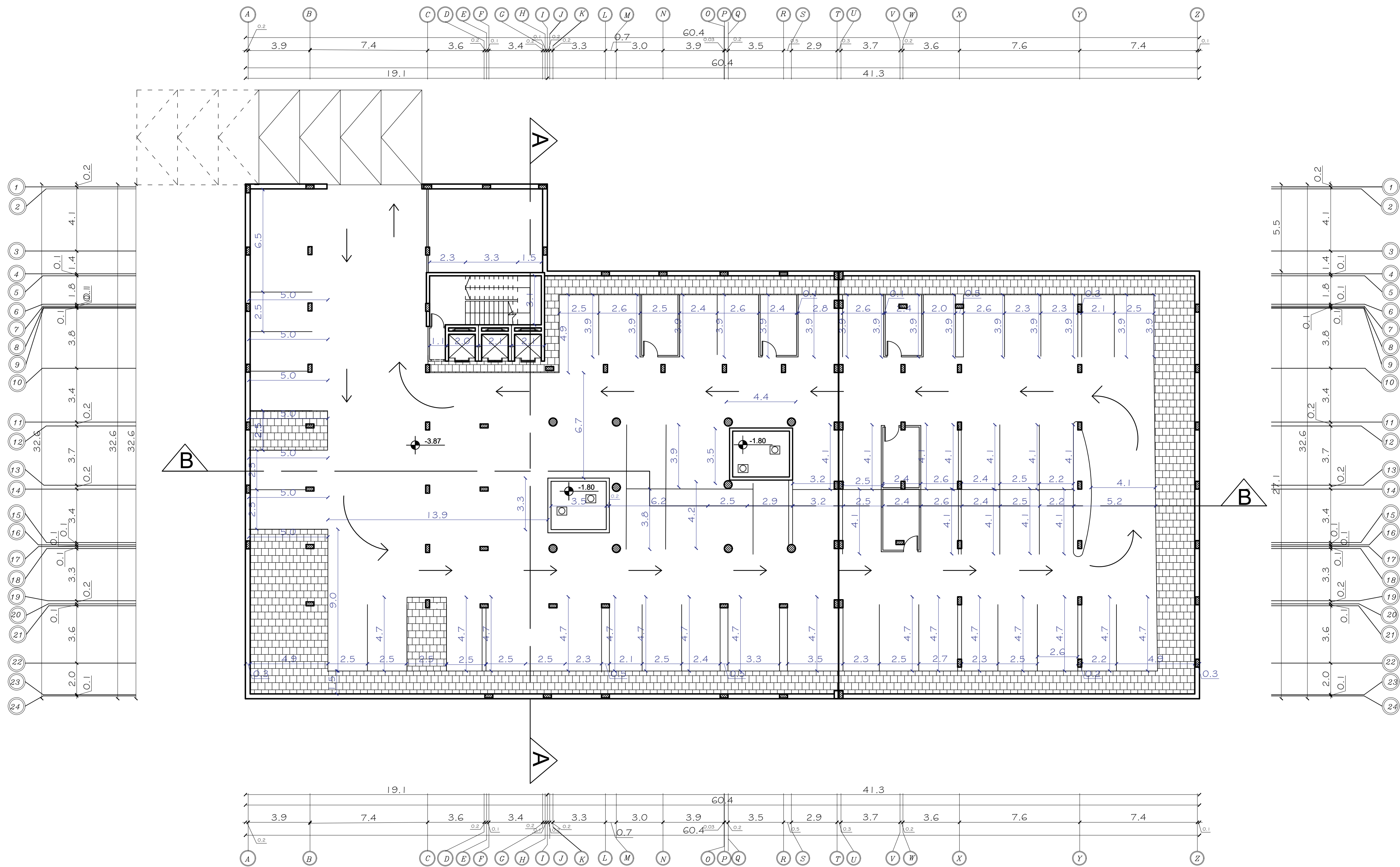
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Basement
Plan Dimension

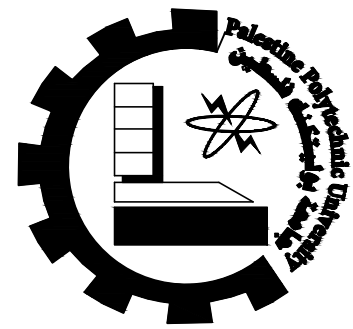
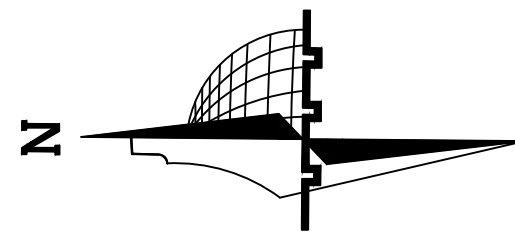
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GENERAL NOTES



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Civil & Arch. Eng.
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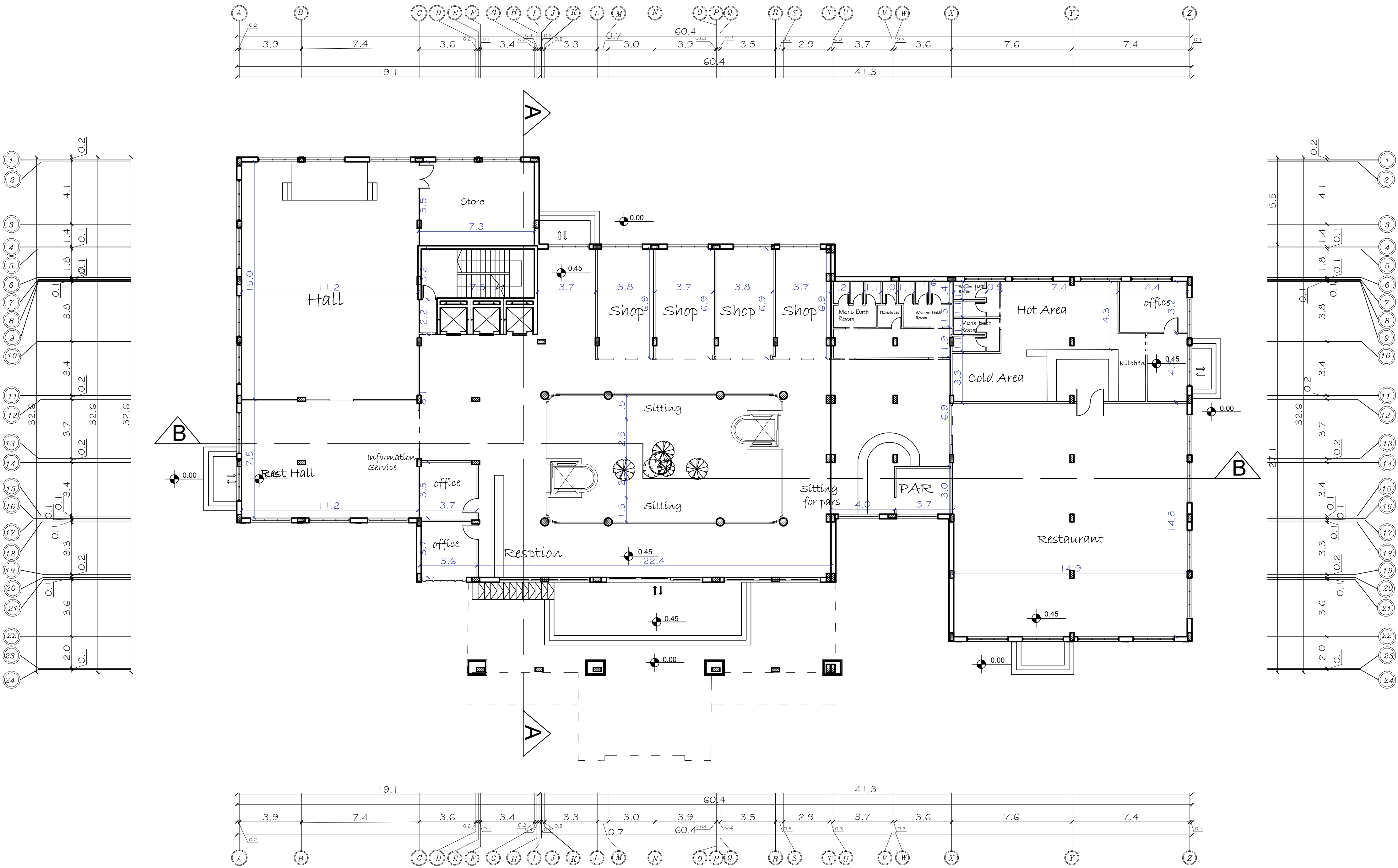
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Plan Dimension

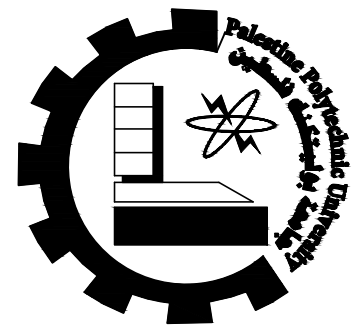
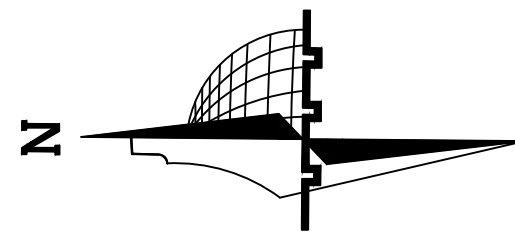
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GENERAL NOTES



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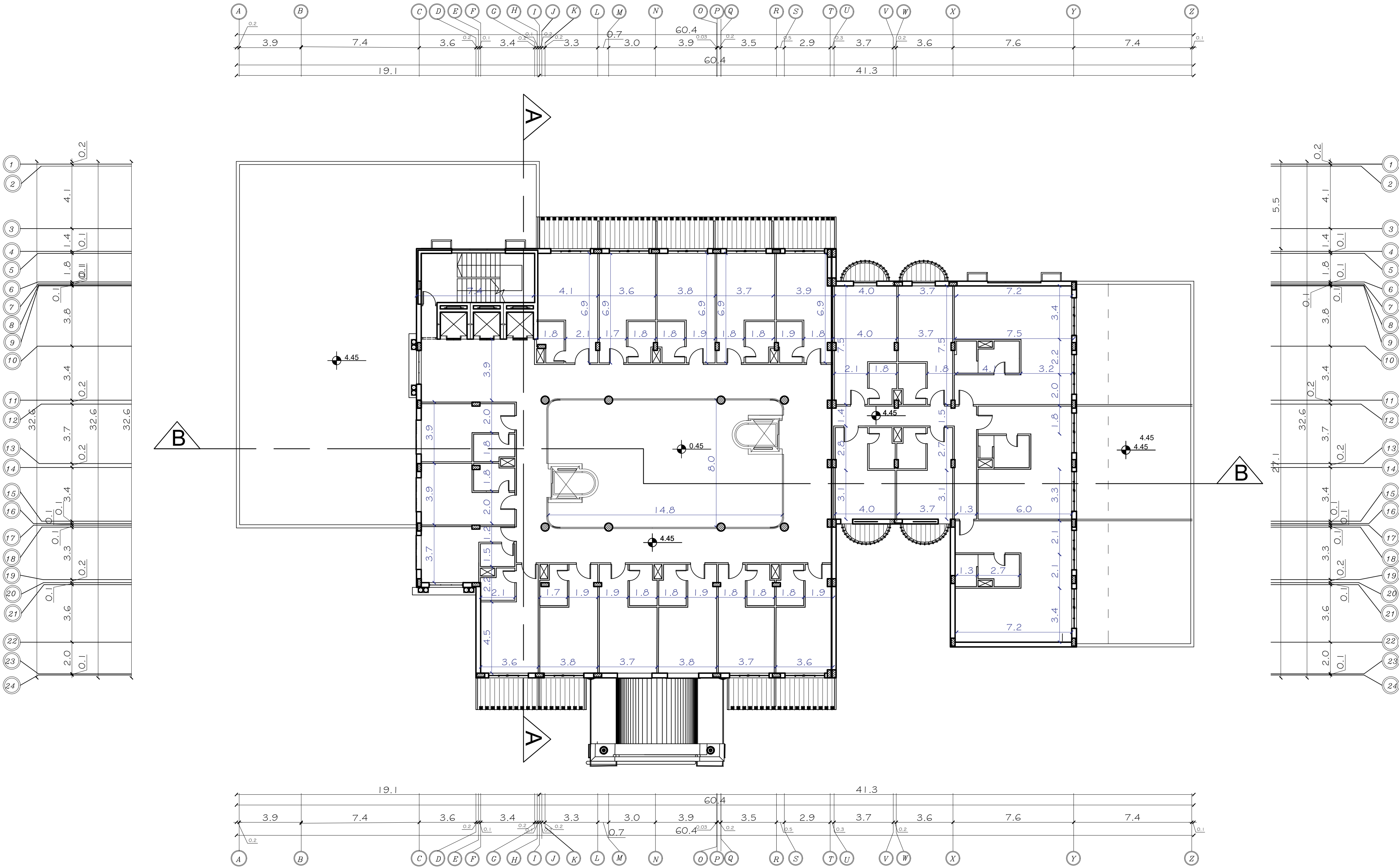
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1st, 2nd, 3rd Floor
Plan Dimension

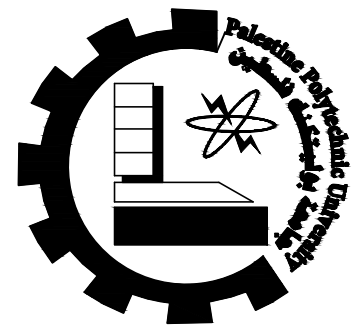
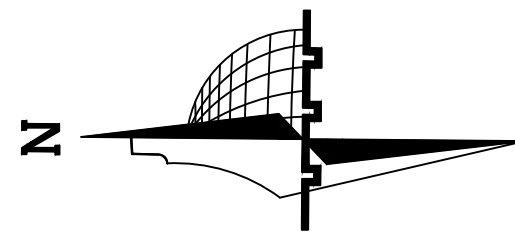
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Scale: 1:150



GENERAL NOTES



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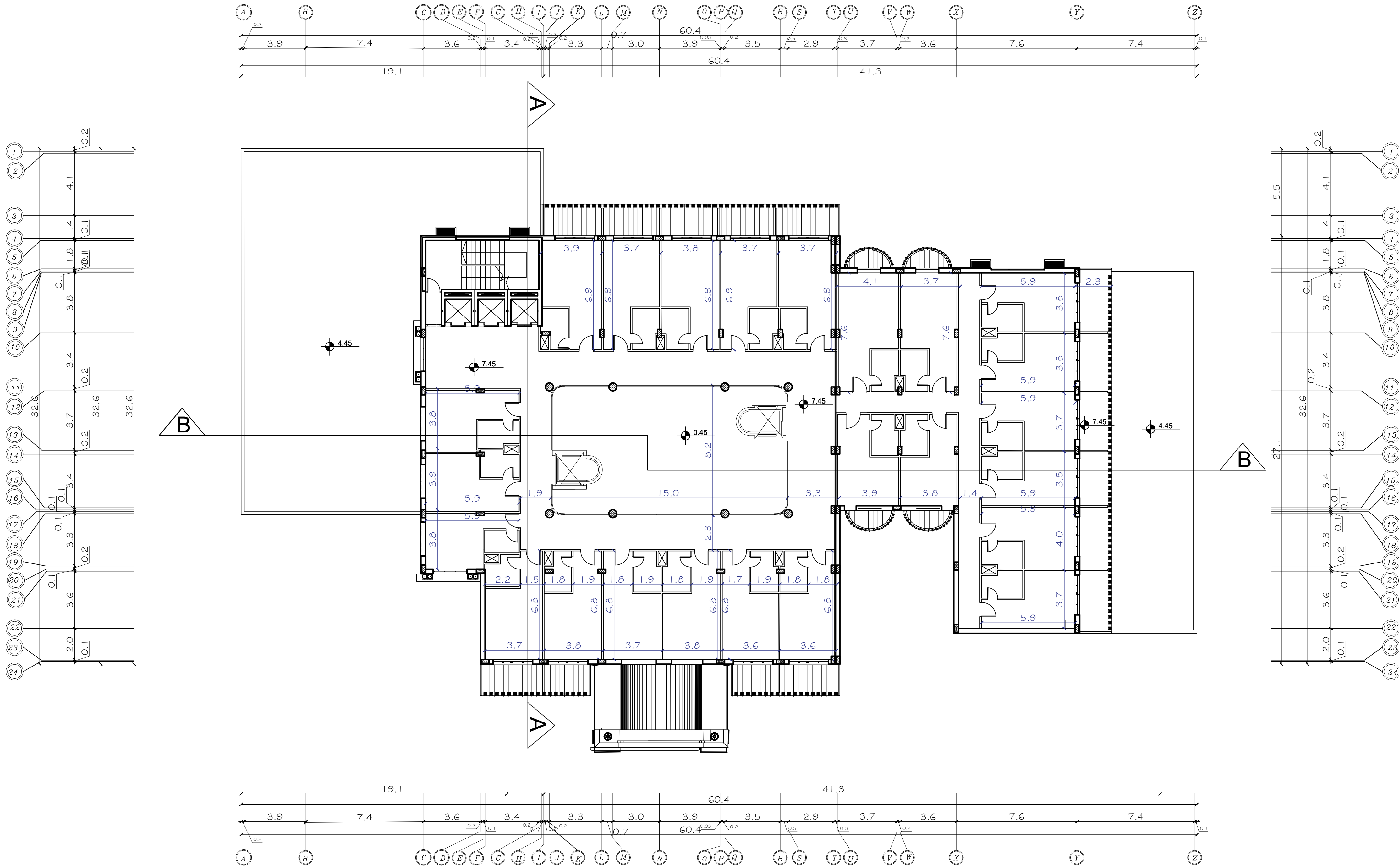
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Fourth Floor
Plan Dimension

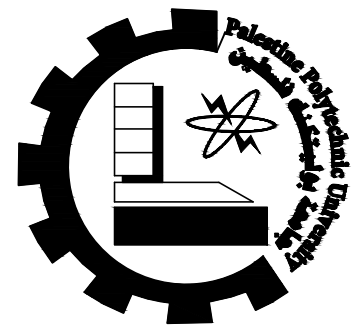
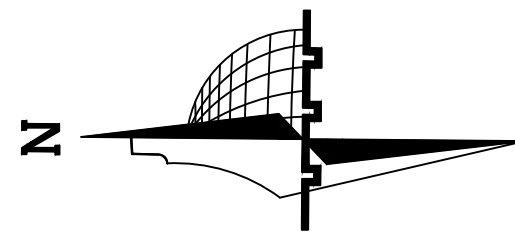
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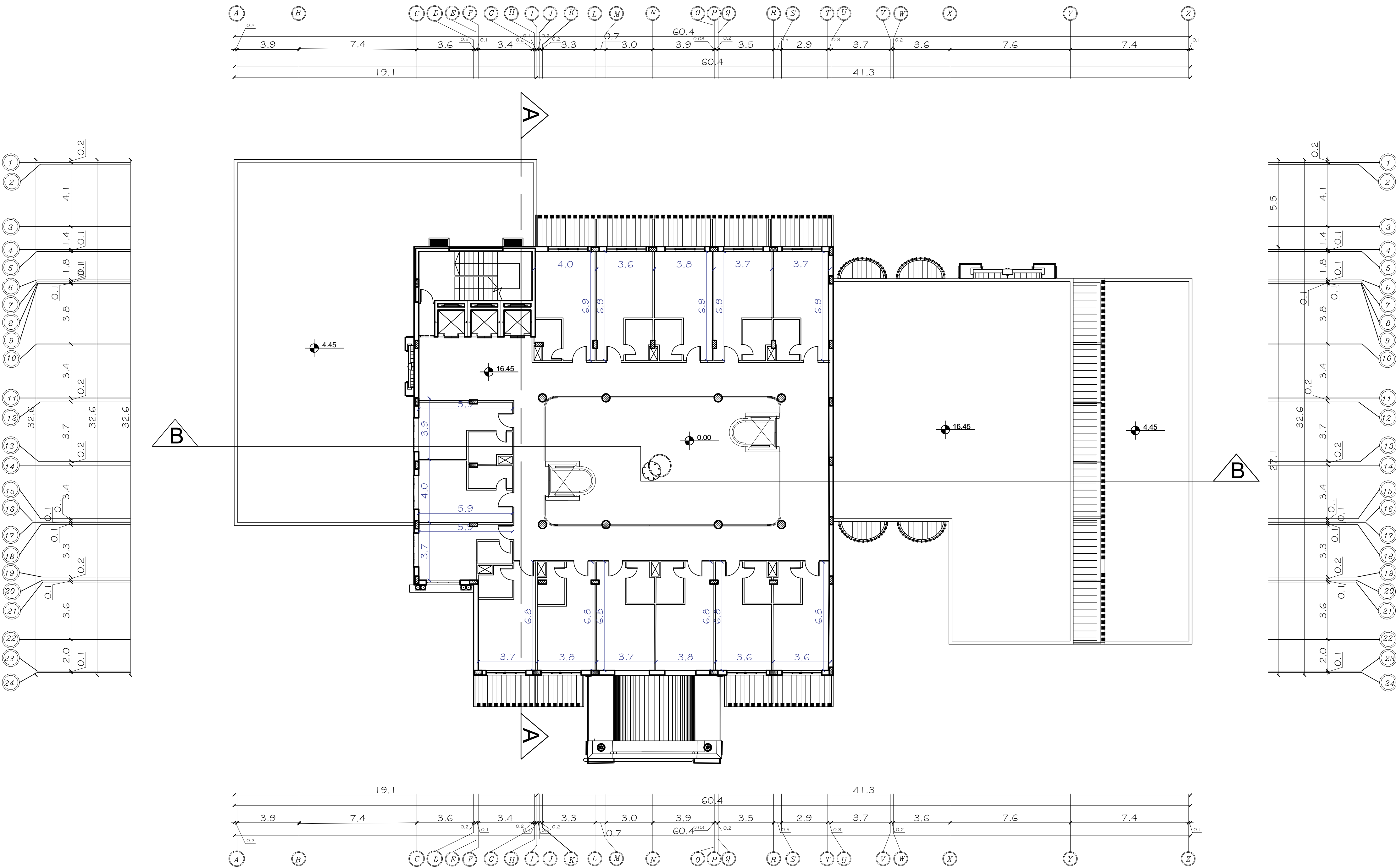
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Roof Floor
Plan Dimension

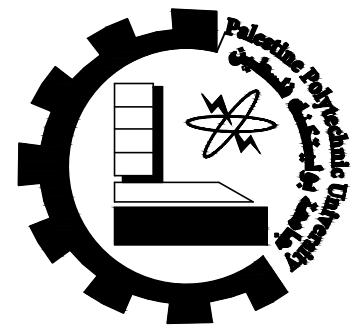
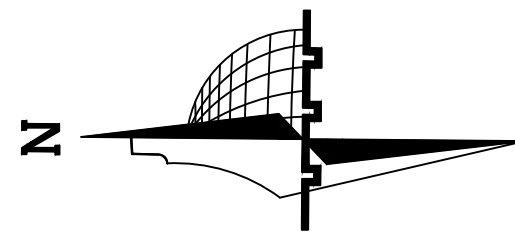
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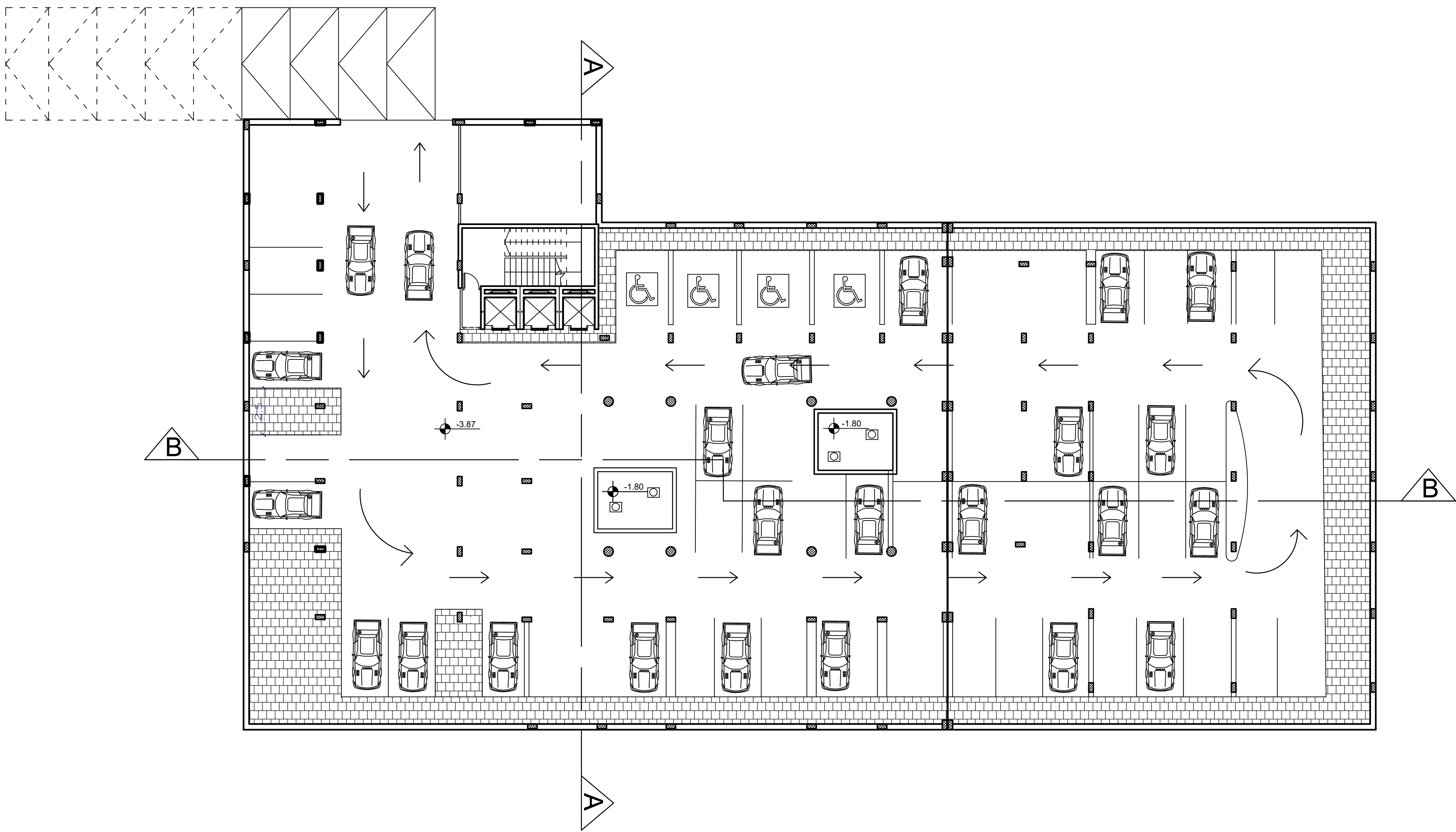
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Basement Floor
Plan Furniture

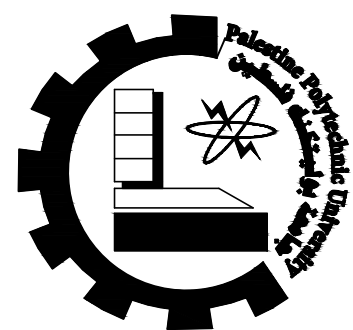
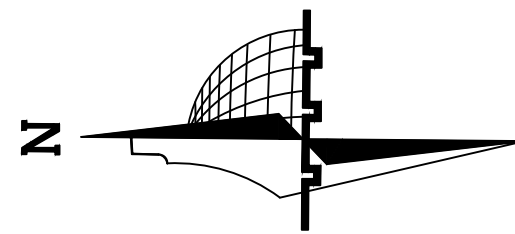
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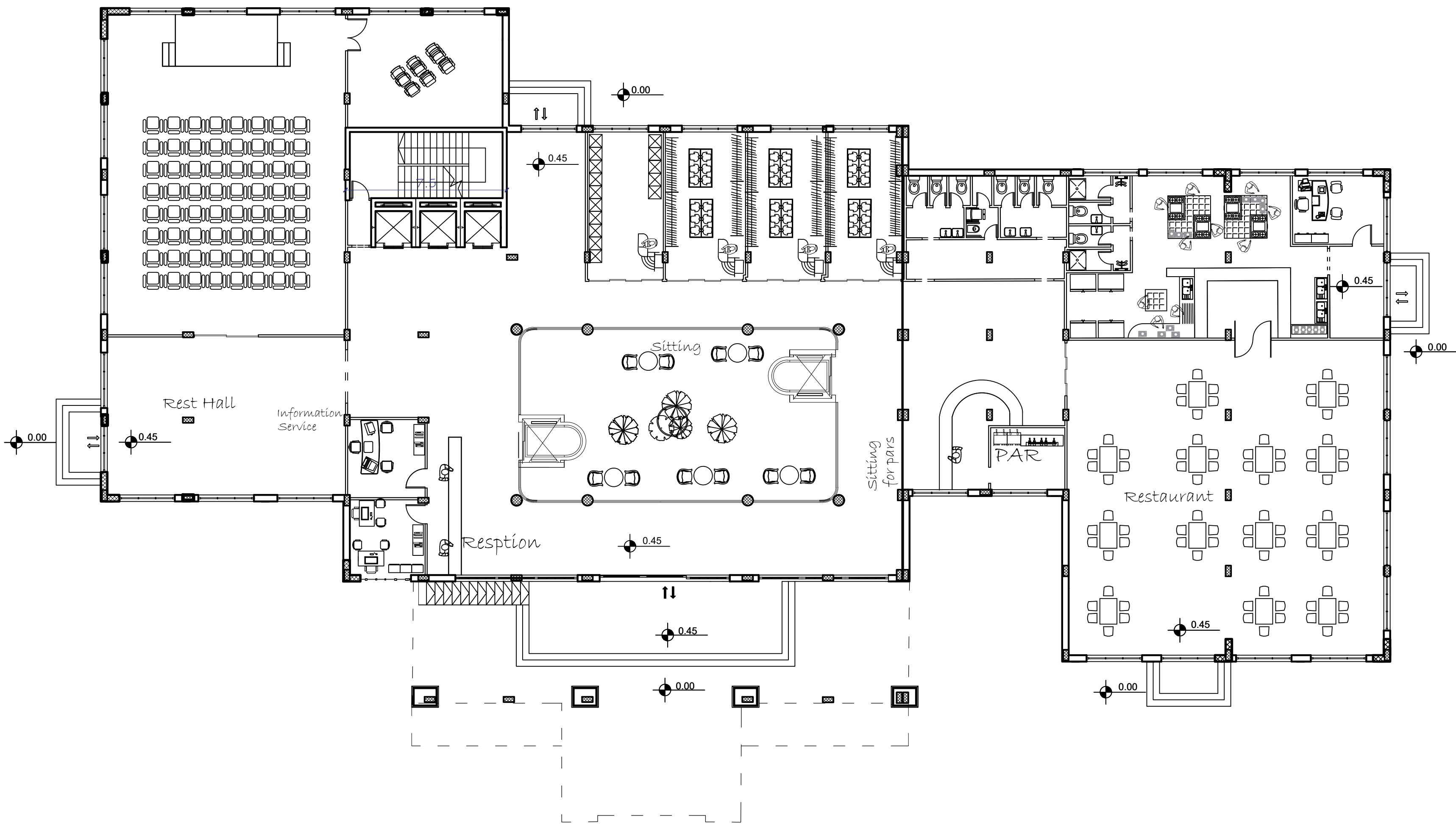
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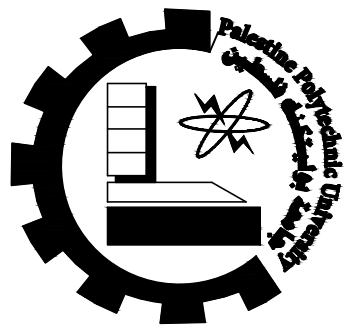
Ground Floor
Plan Furniture

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A07

Scale: 1:150





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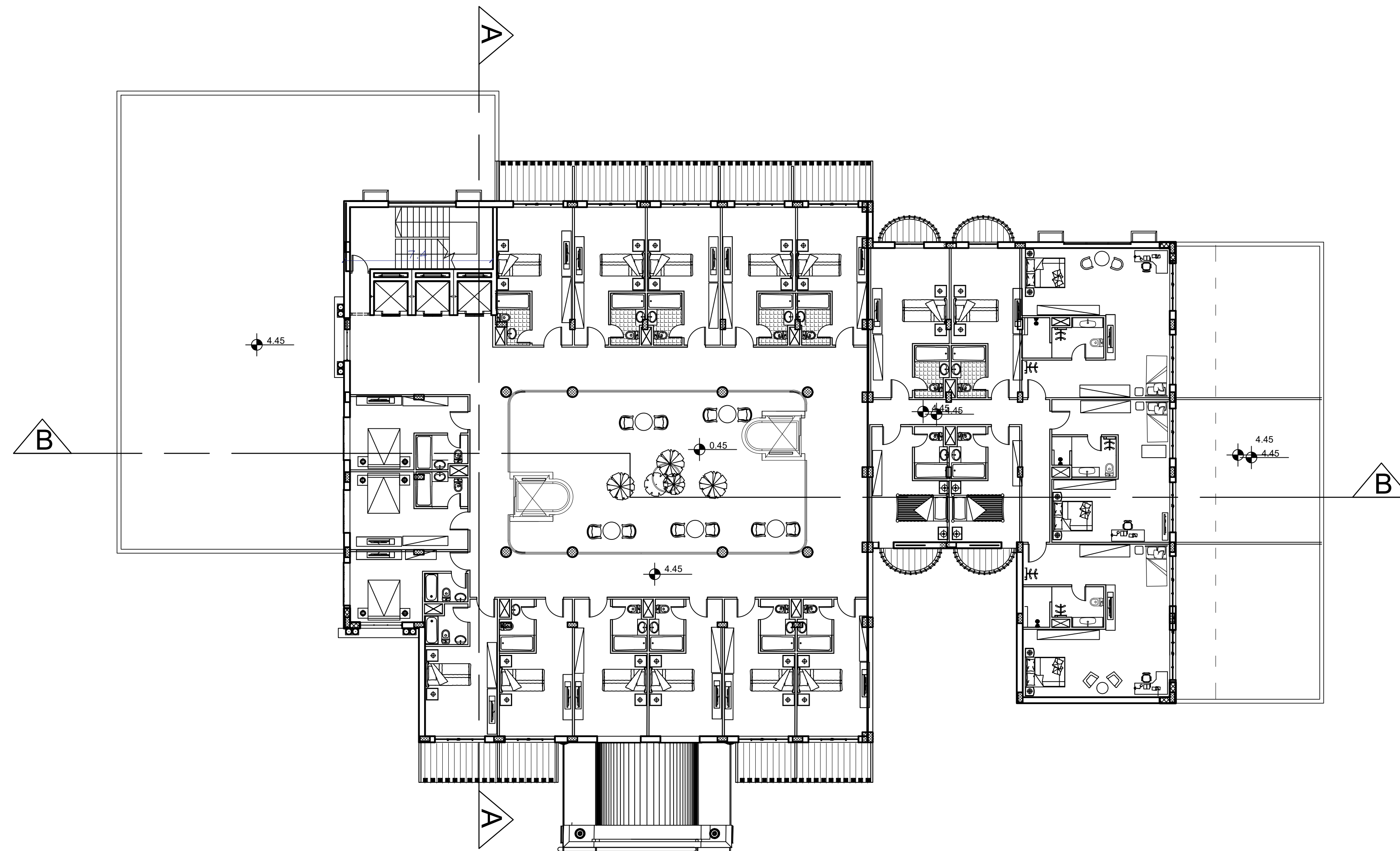
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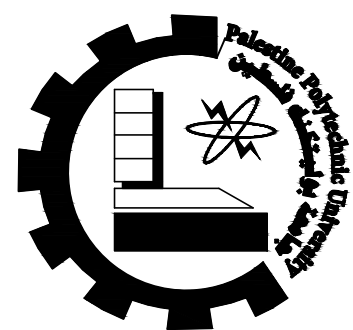
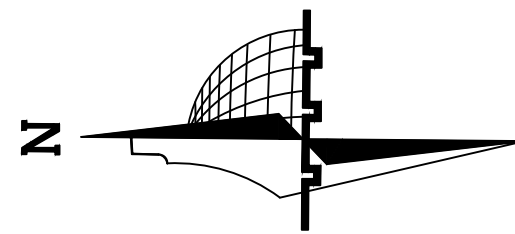
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Scale: 1:150



GENERAL NOTES



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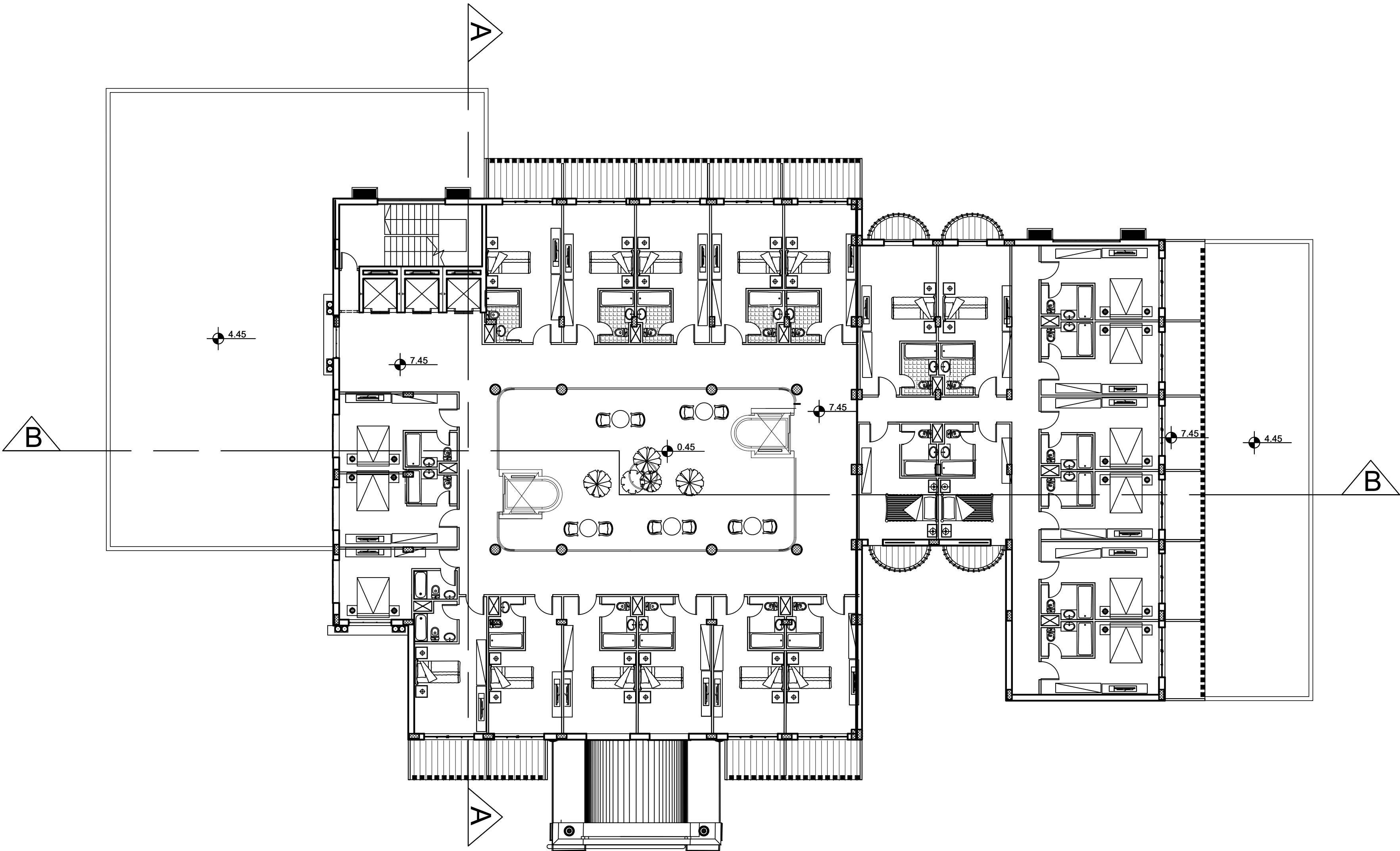
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Fourth Floor
Plan Furniture

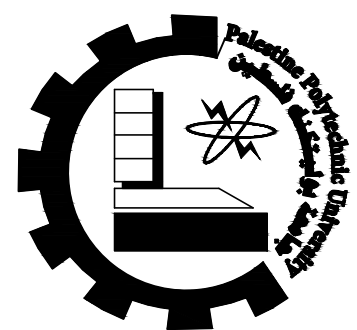
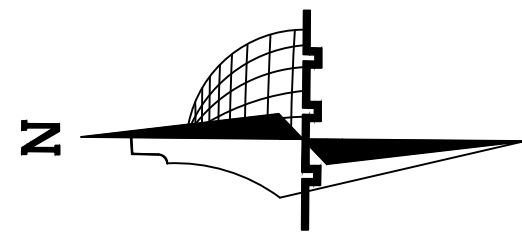
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GENERAL NOTES



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Civil & Arch. Eng.
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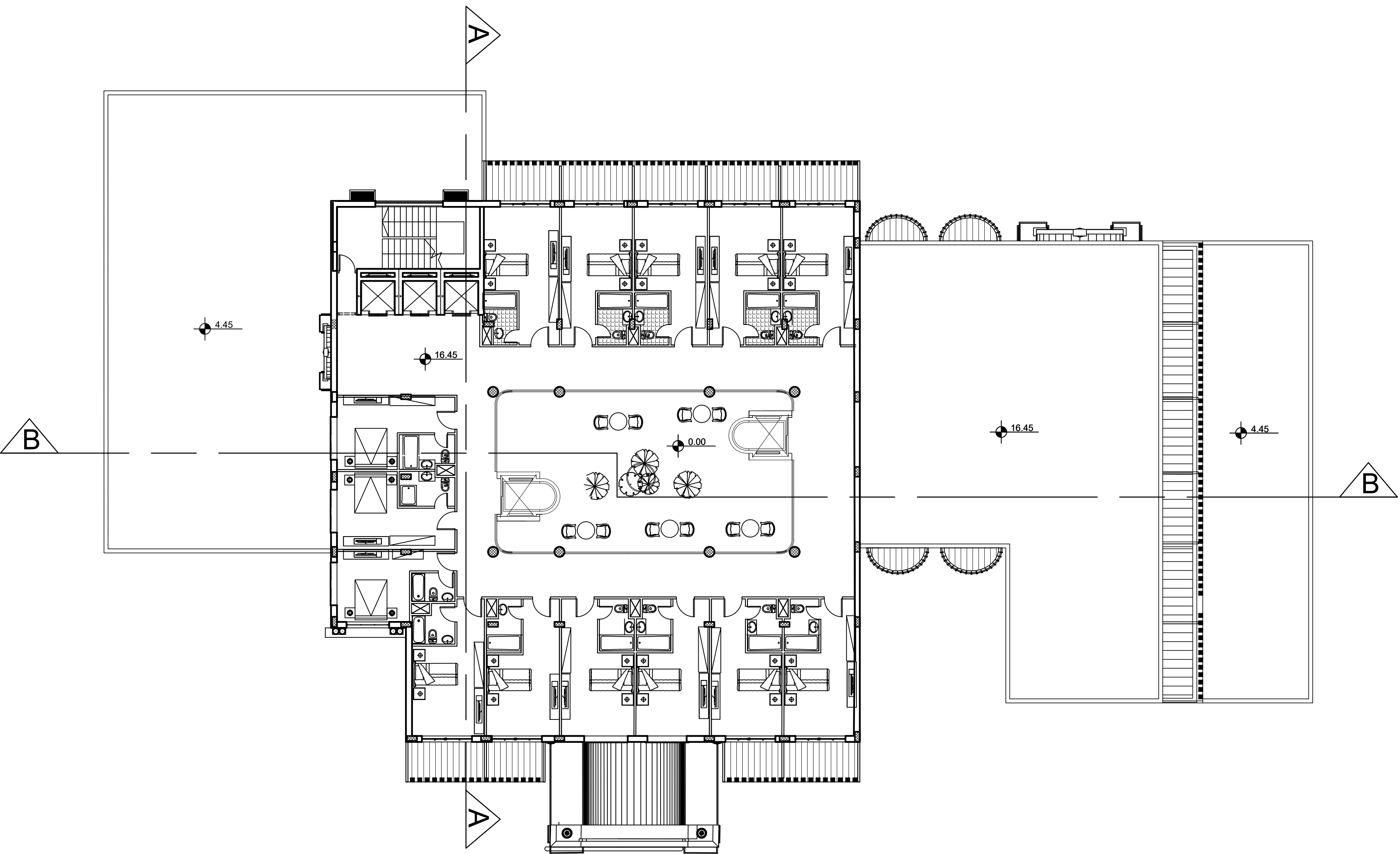
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Roof Floor
Plan Furniture

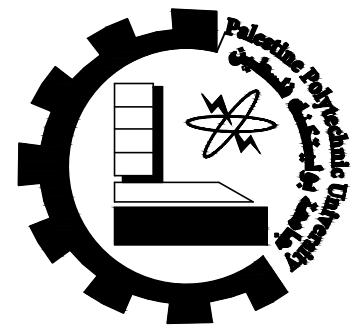
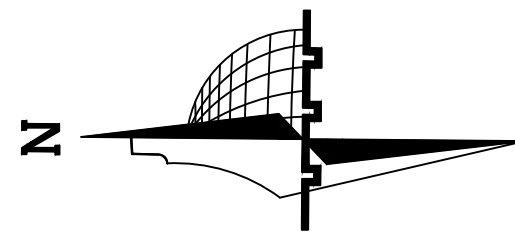
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GENERAL NOTES



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Sheet Title:

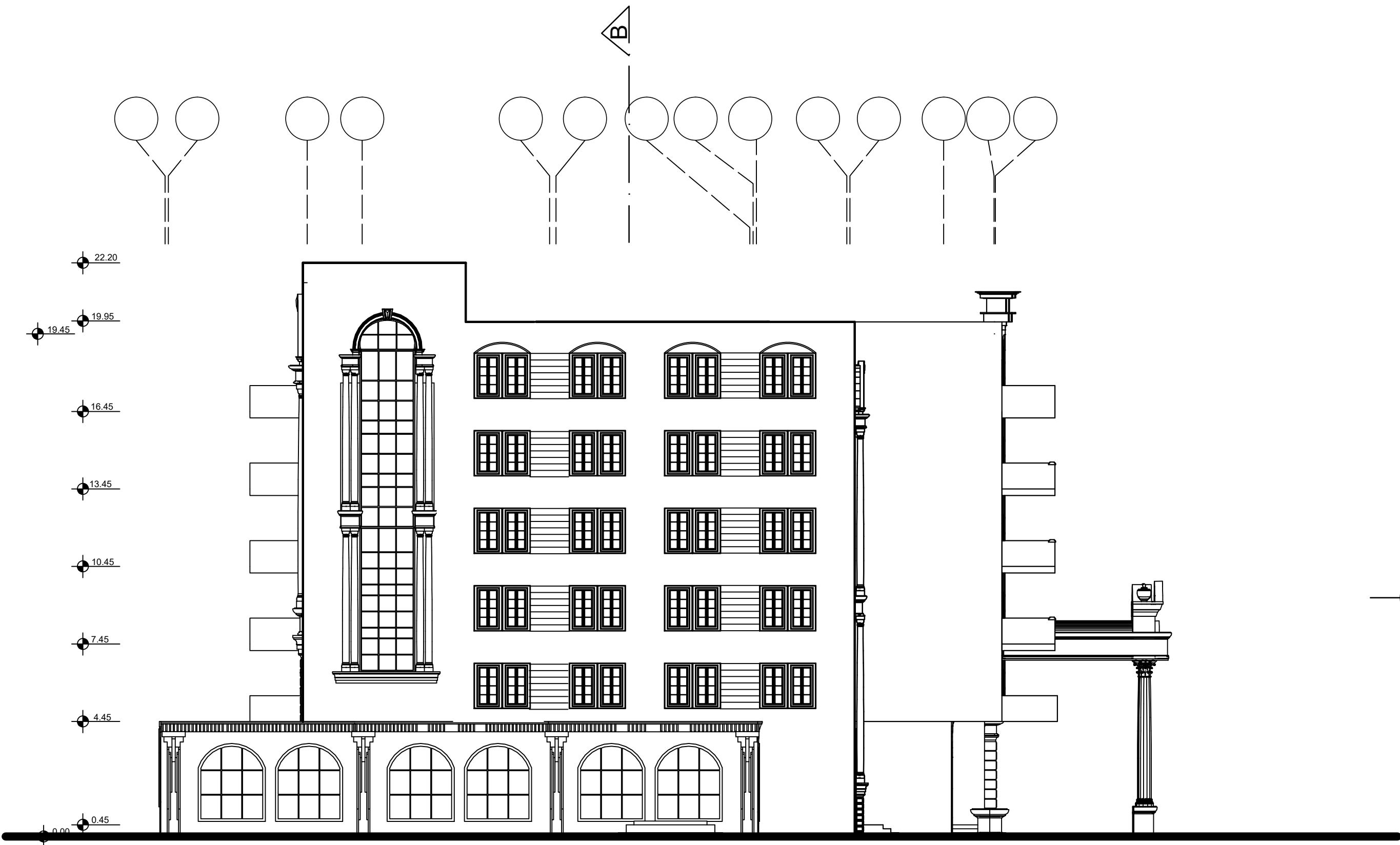
N & W
Elevation

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A11

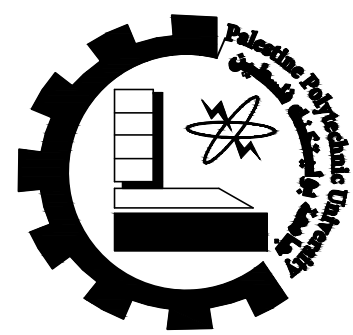
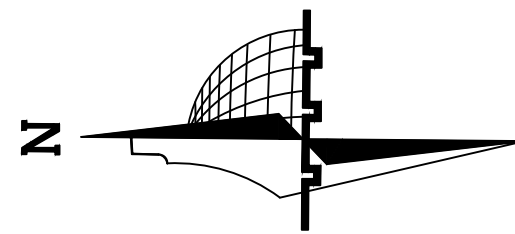
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Main Elevation
Scale 1:150



North Elevation
Scale 1:150

GENERAL NOTES



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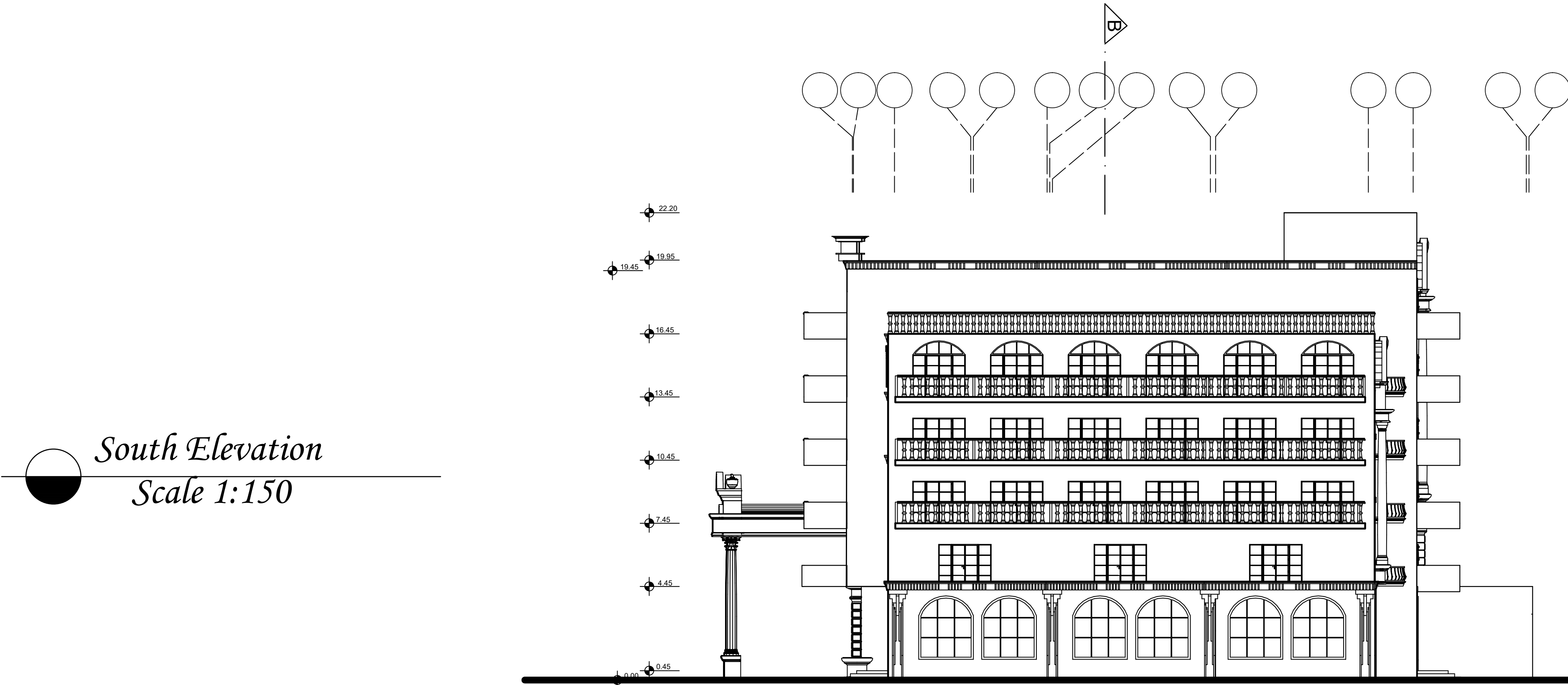
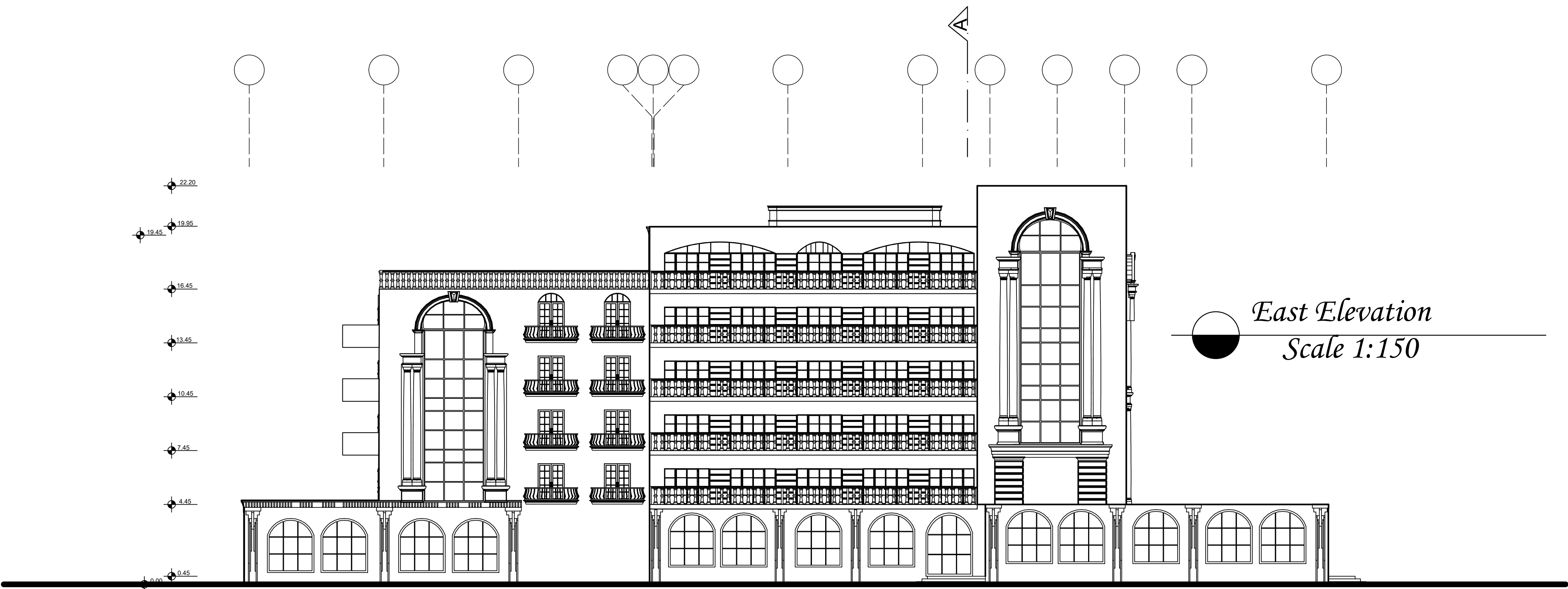
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S & E
Elevation

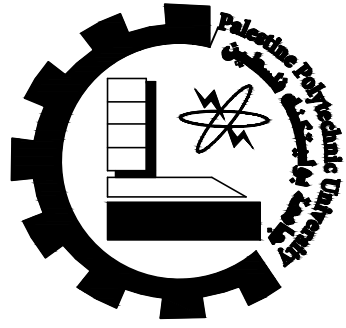
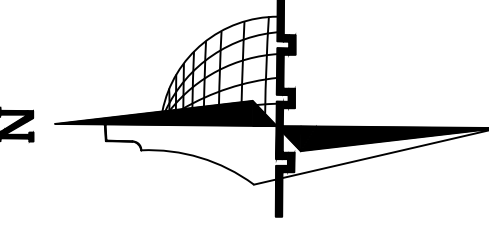
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GENERAL NOTES



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Structural design for a
proposed building
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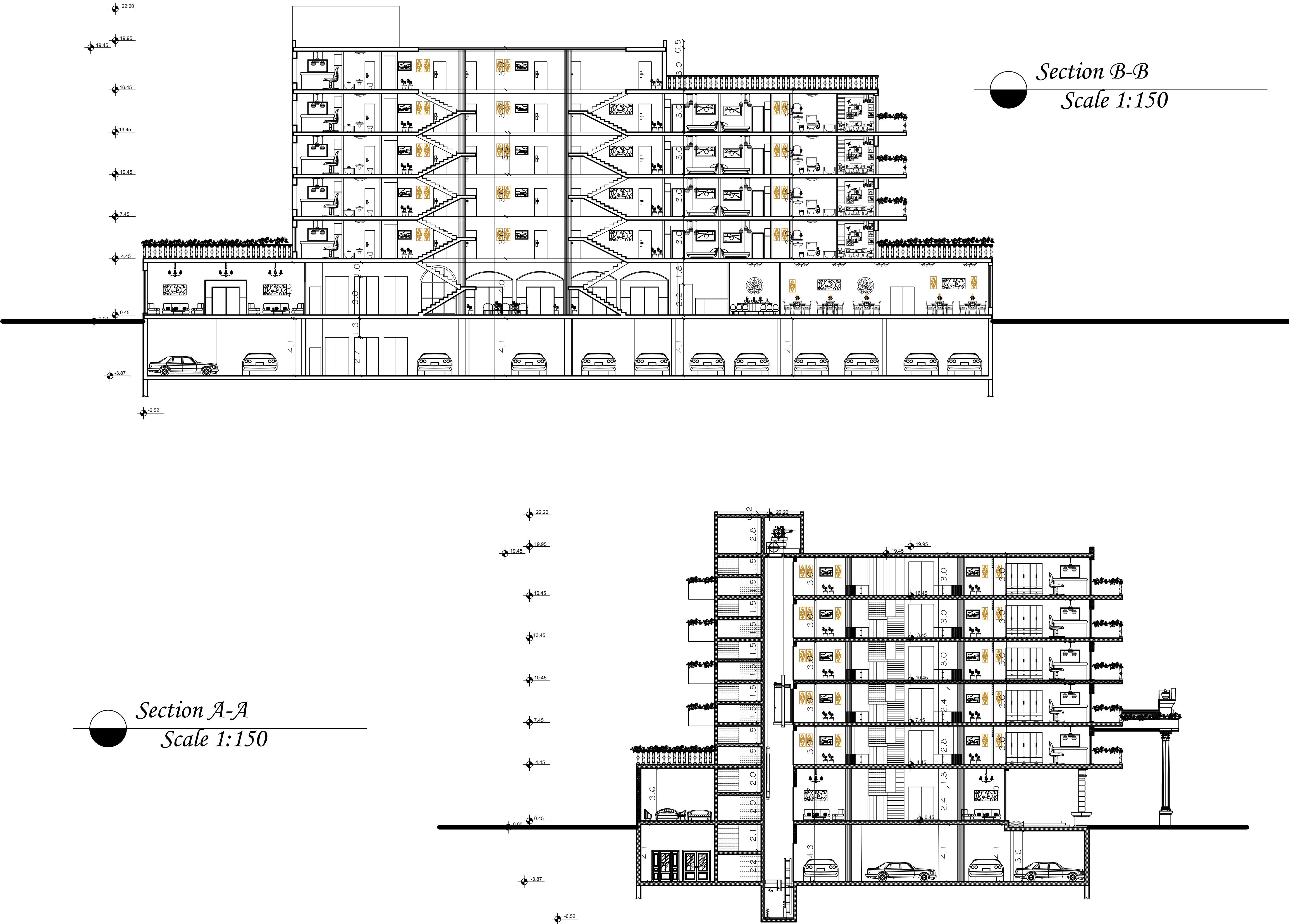
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Section A-A
and
Section B-B

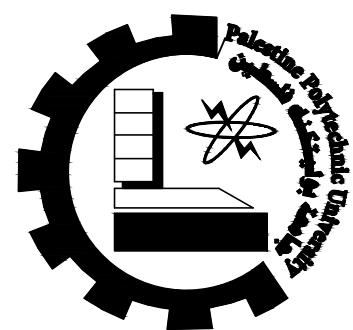
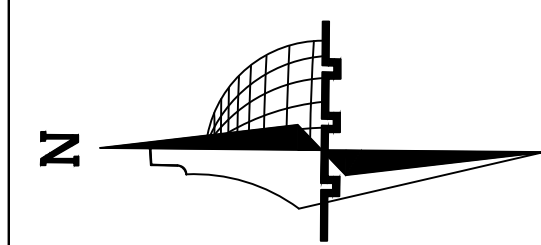
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GENERAL NOTES



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Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

Sheet Title:

List Of Drawings

Sheet:

Scale:

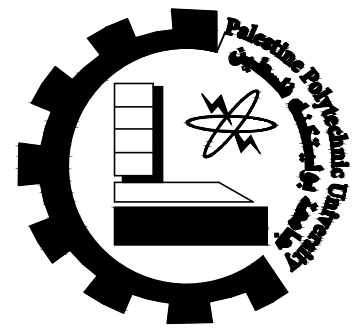
LIST OF DRAWINGS

ARCHITECTURAL	
A00	Site Plan
A01	Basement Floor Dimension Plan
A02	Ground Floor Dimension Plan
A03	First Floor Dimension Plan
A04	Second,Third & Fourth Floor Plan
A05	Roof Floor Dimension Plan
A06	Basement Floor Furniture
A07	Ground Floor Furniture
A08	First Floor Furniture
A09	Second,Third&Fourth Floor Furniture
A10	Roof Floor Furniture
A11	Elevation W & N
A12	Elevation E & S
A13	Section A–A & B–B

Structure	
S01	Basement Slab Plan
S02	Ground Slab Plan
S03	First Slab Plan
S04	Second & Third Slab Plan
S05	Fourth Slab Plan
S06	Roof Slab Plan
S07	Reinforcement of Basement Slab
S08	Reinforcement of Ground Slab
S09	Reinforcement of First Slab
S10	Reinforcement of 2nd & 3rd Slab
S11	Reinforcement of fourth Slab
S12	Reinforcement of Roof Slab

Structure	
S13–S15	Basement Floor Beams
S16–S19	Ground Floor Beams
S20–S22	1st,2nd&3rd Floor Beams
S23–S25	Fourth Floor Beams
S26,S27	Roof Floor Beams
S28	Columns Plan
S29,S30	Columns Sections
S31	Column Group D Elevation
S32	Basement Wall Section
S33	Shear Walls Plan
S34–S42	Walls Reinforcement Drawings
S43	Stairs Reinforcement Drawings

Structure	
S44	Stairs Slab Reinforcement
S45–S49	Mat Foundation Details
S46	Top Reinforcement Drawing
S47	Bottom Reinforcement Drawing
S48	Additional Reinforcement Drawing
S49	Section A–A Drawing
S49	Section B–B&Steel Details Drawing



Civil & Arch. Eng.
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*Structural design for a
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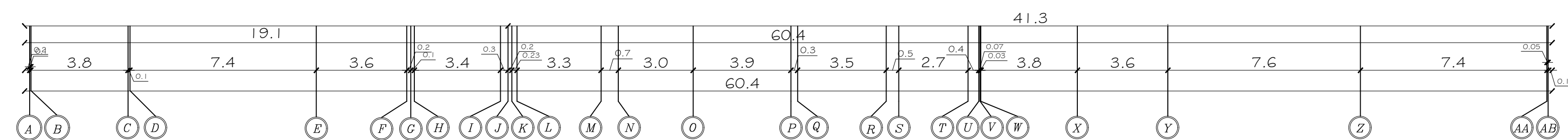
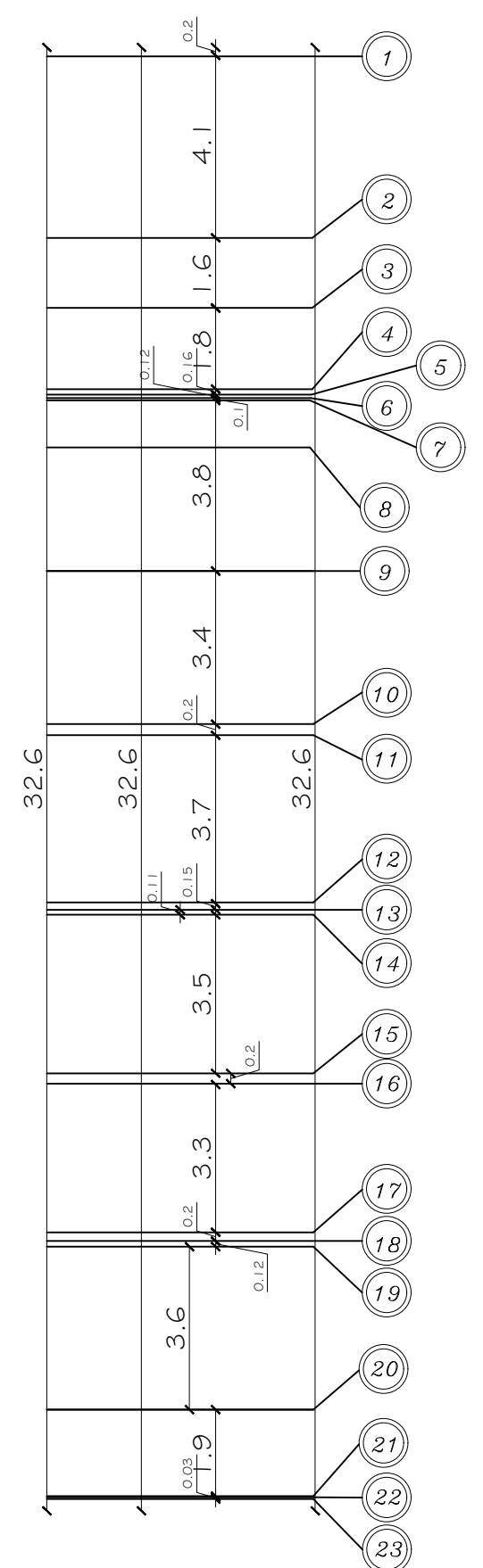
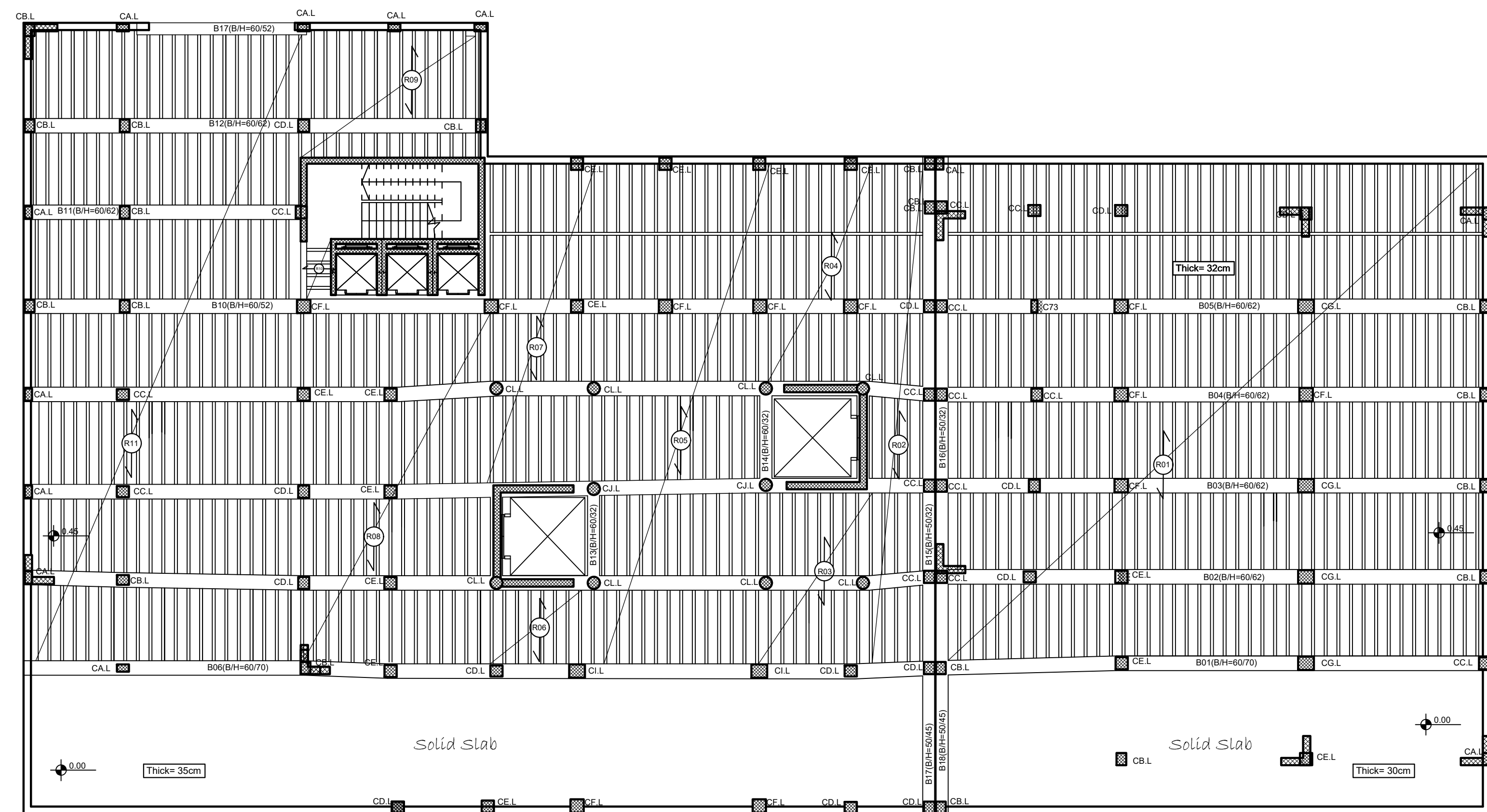
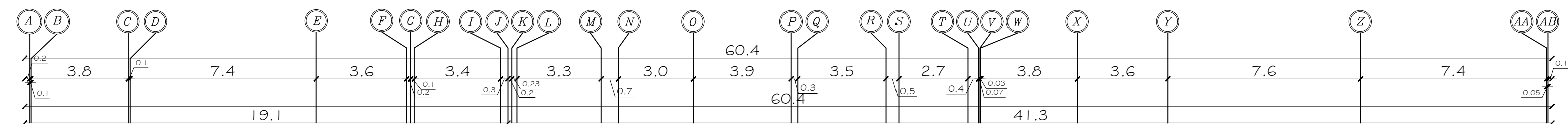
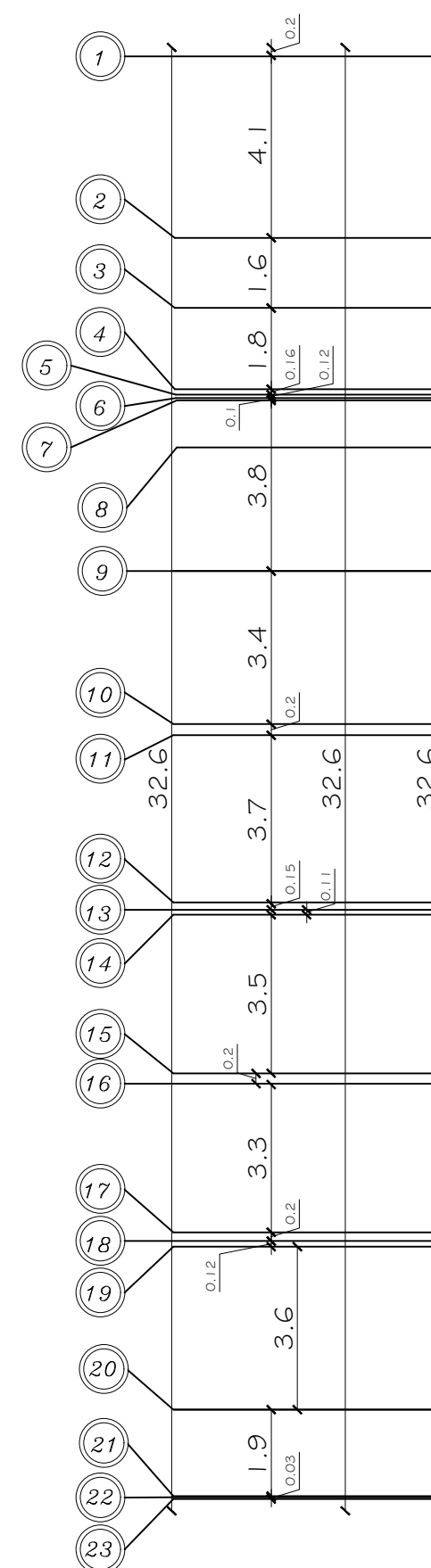
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Basement Floor
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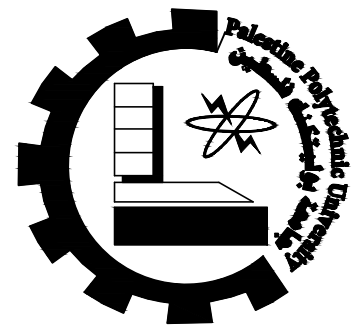
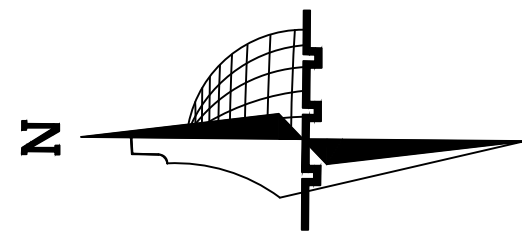
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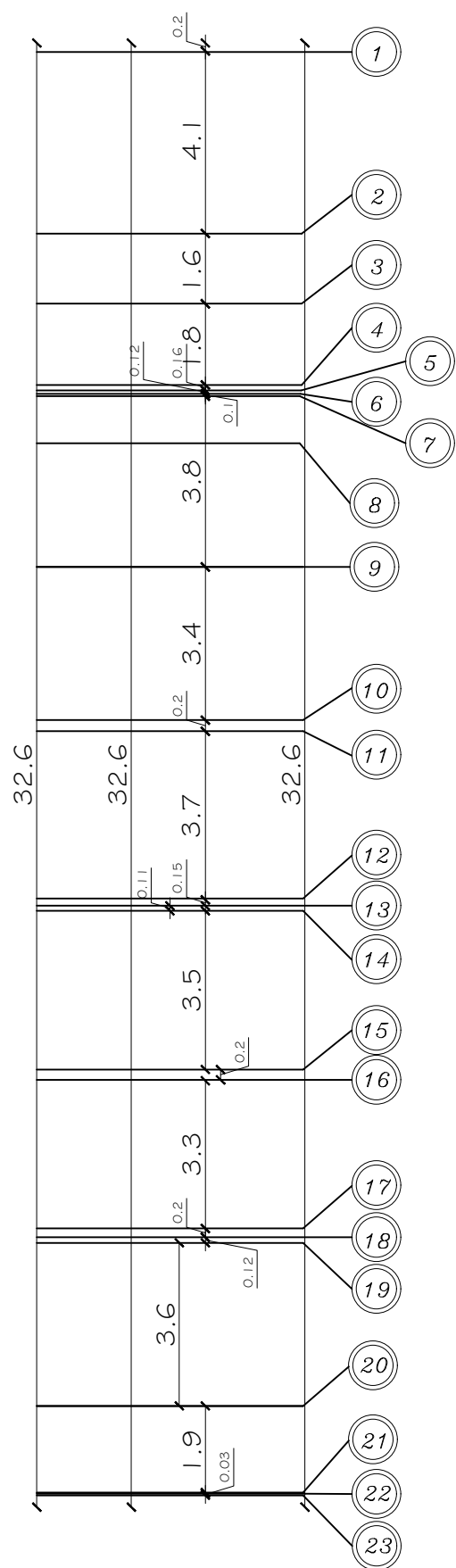
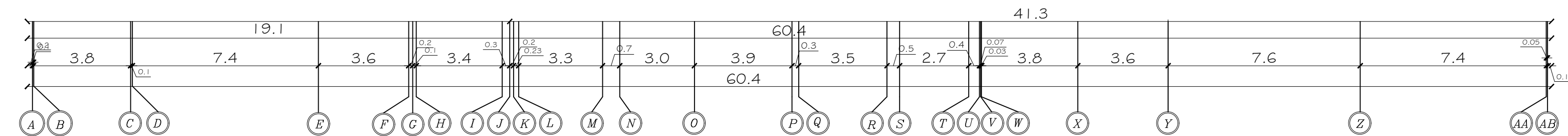
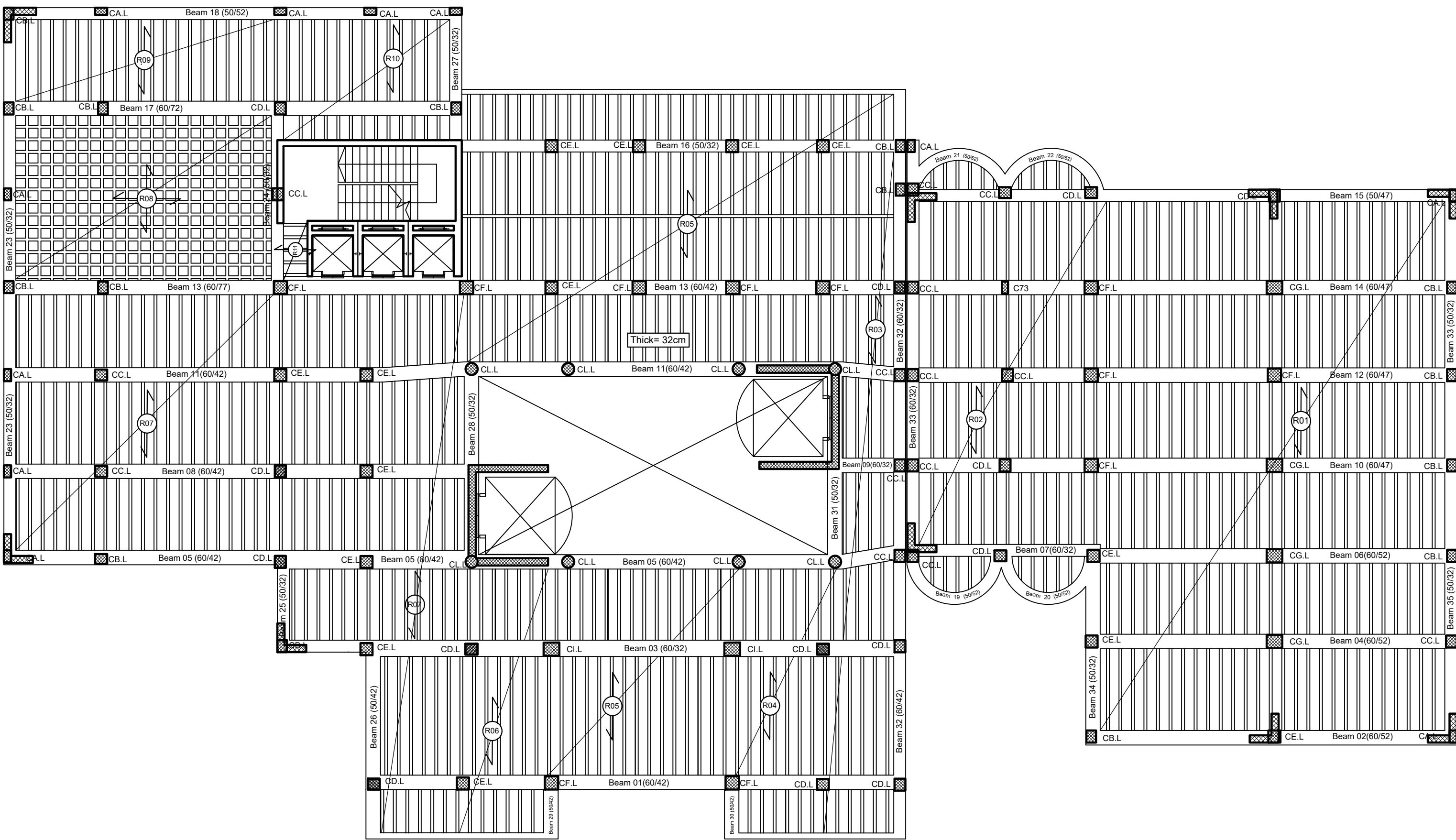
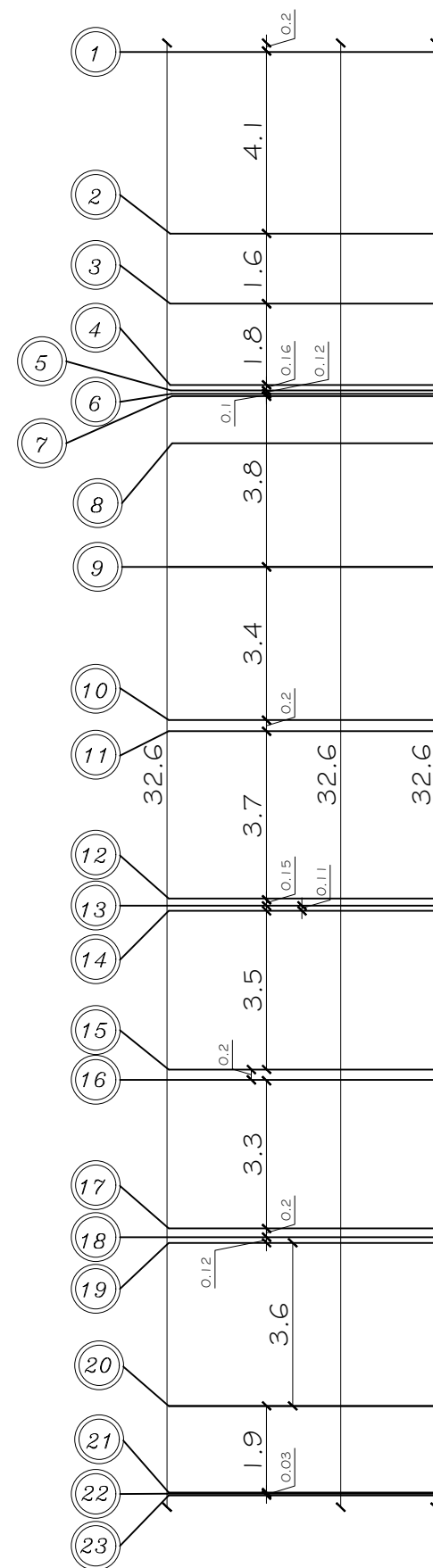
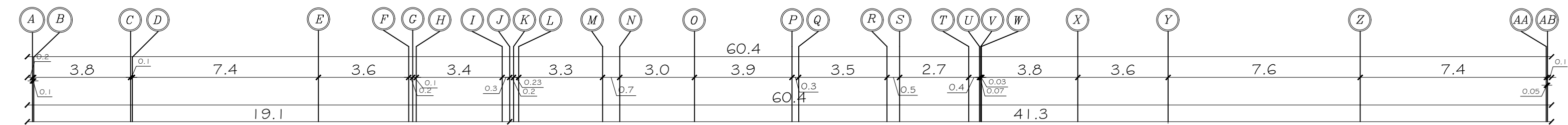
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Ground Floor
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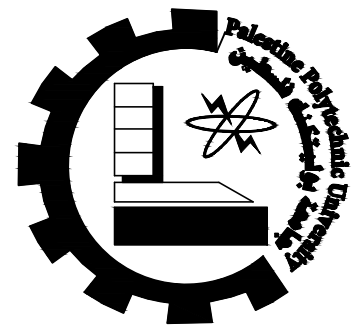
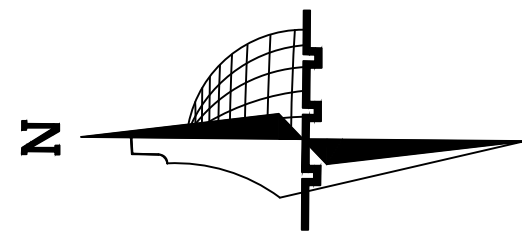
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S02

Scale: 1:150



GENERAL NOTES



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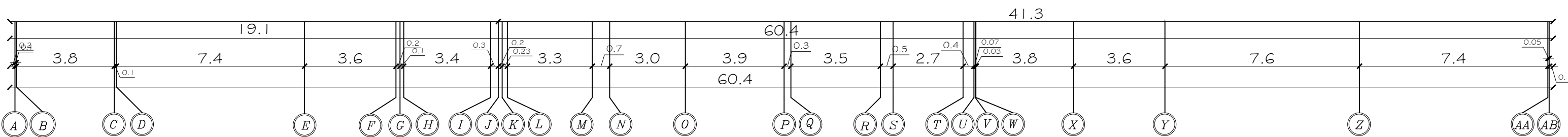
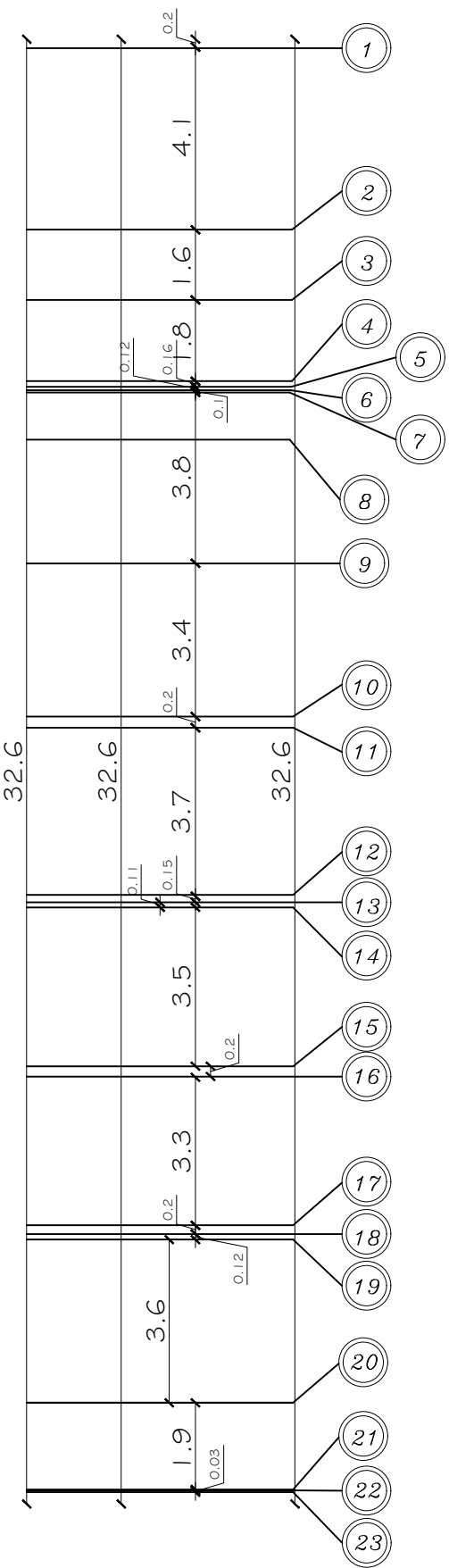
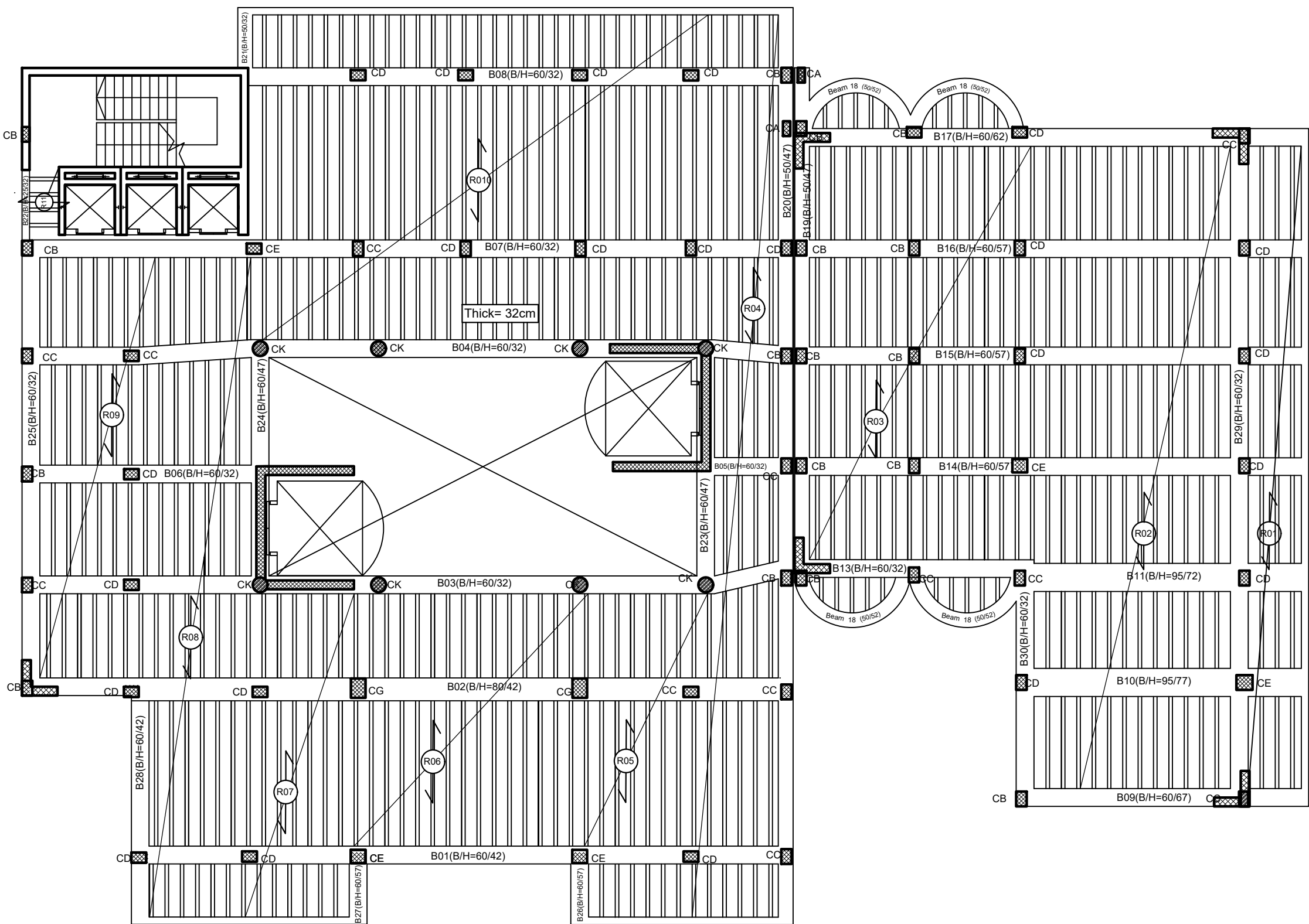
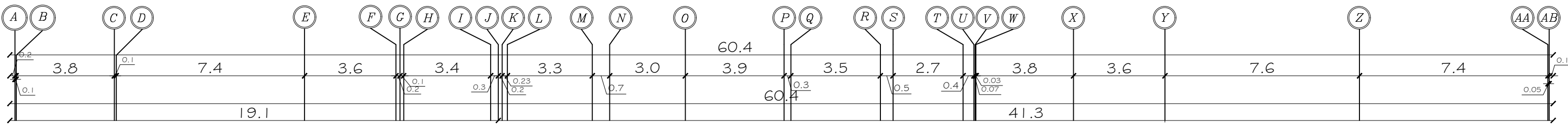
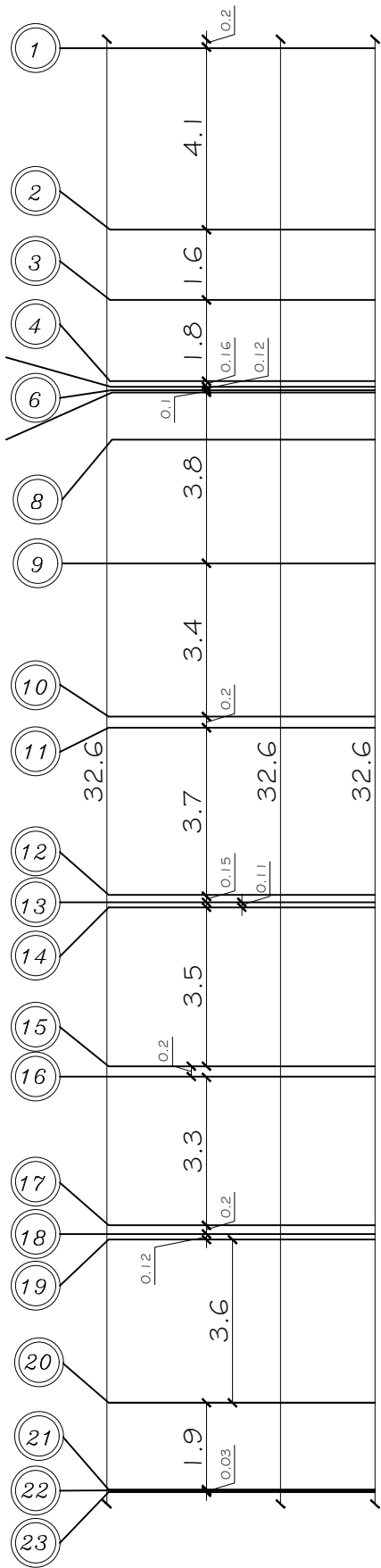
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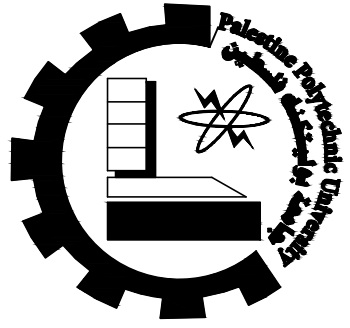
First Floor
Ribs Distribution

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S03

Scale: 1:150





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Graduation Project :

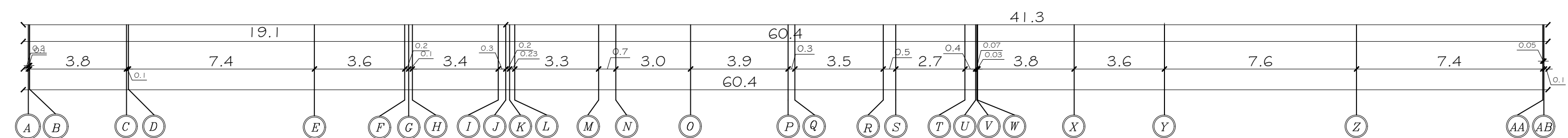
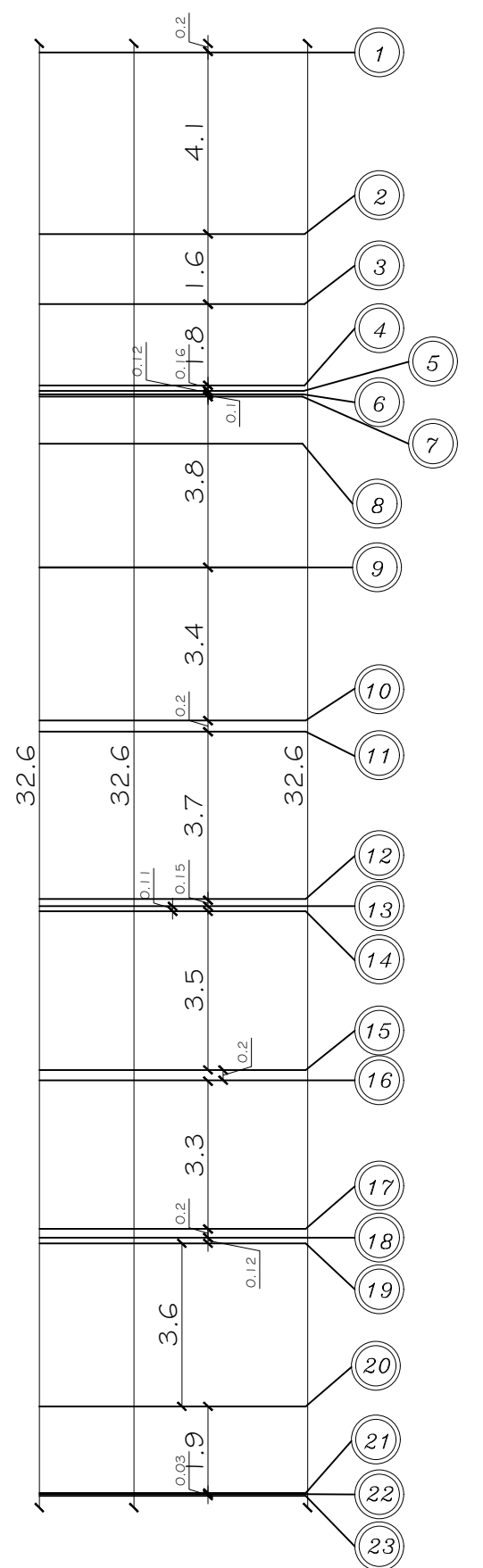
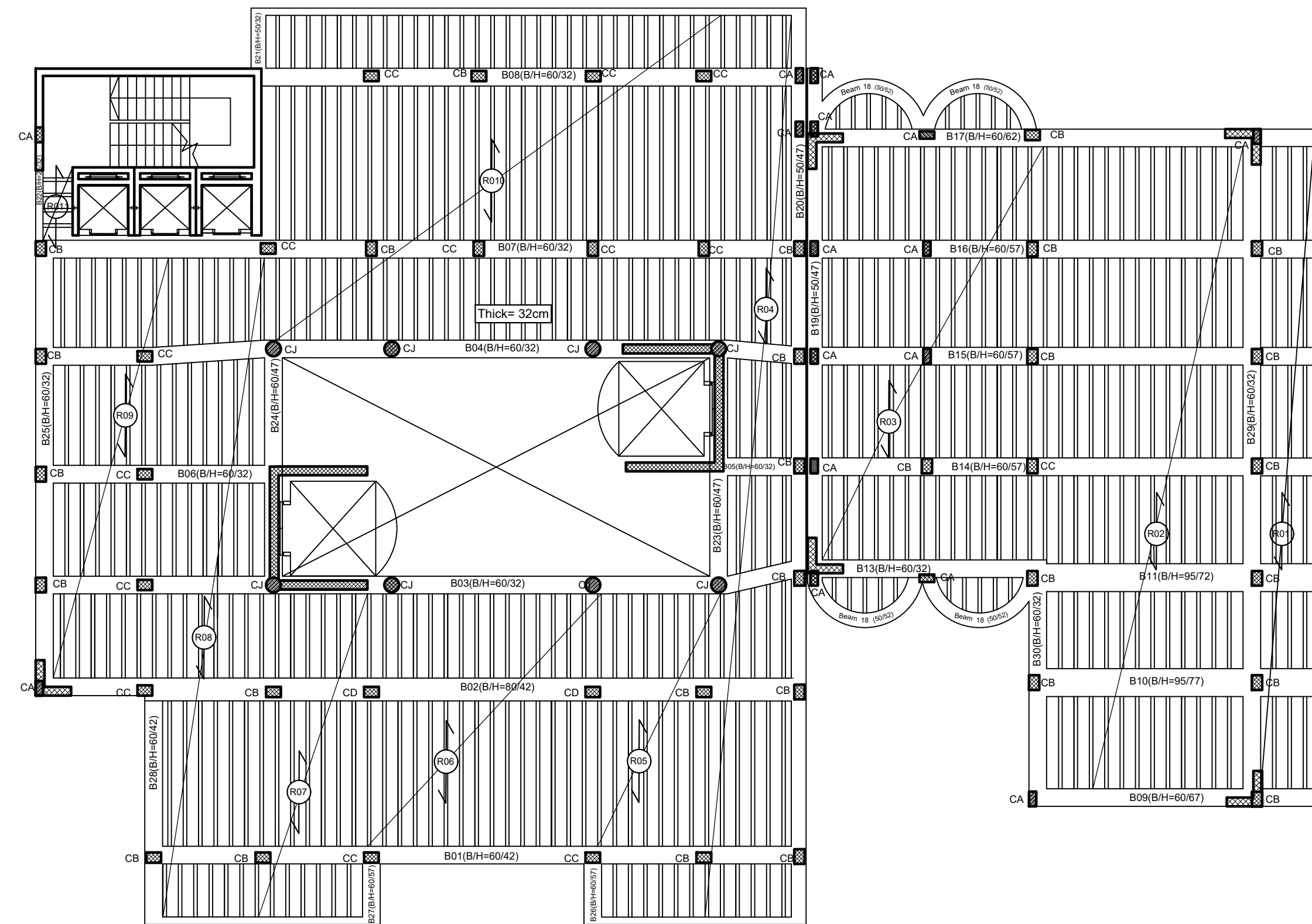
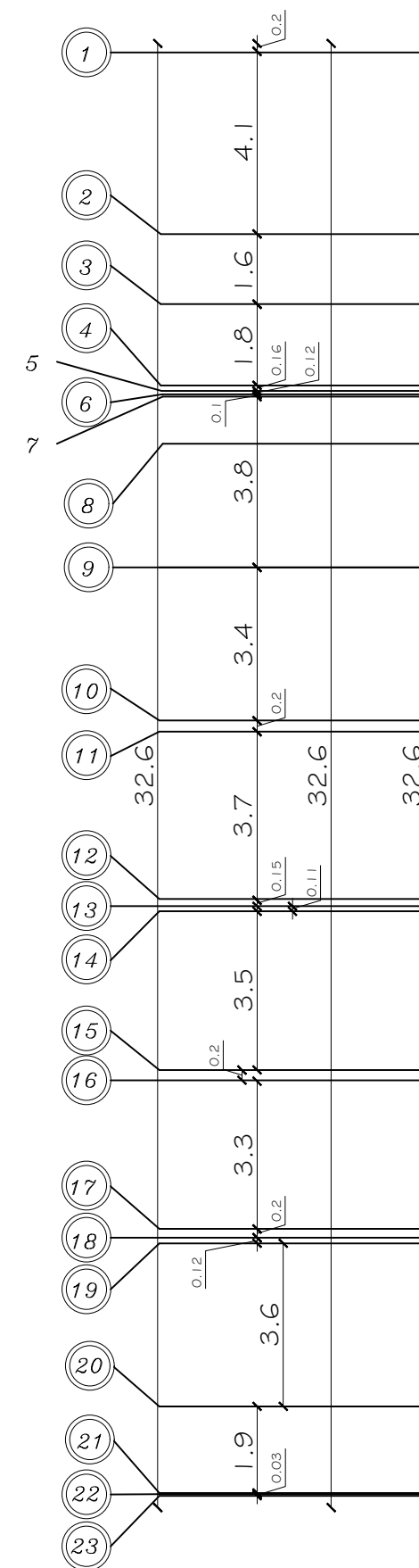
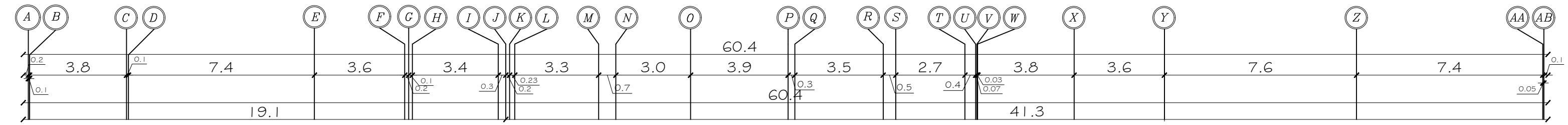
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2nd & 3rd Floor
 Ribs Distribution

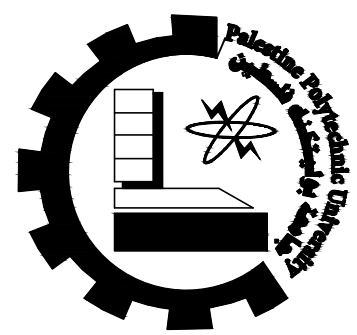
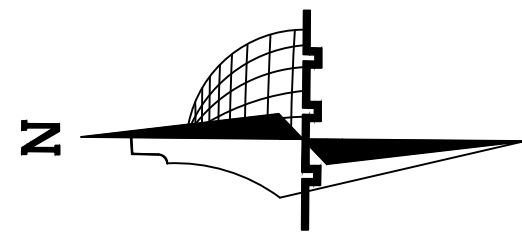
Sheet:

S04

Scale: 1:150



GENERAL NOTES



Palestine Polytechnic
University

Civil &Arch.Eng.
Department

civil Engineering

–Supervisor:

Dr.Belal Al–Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

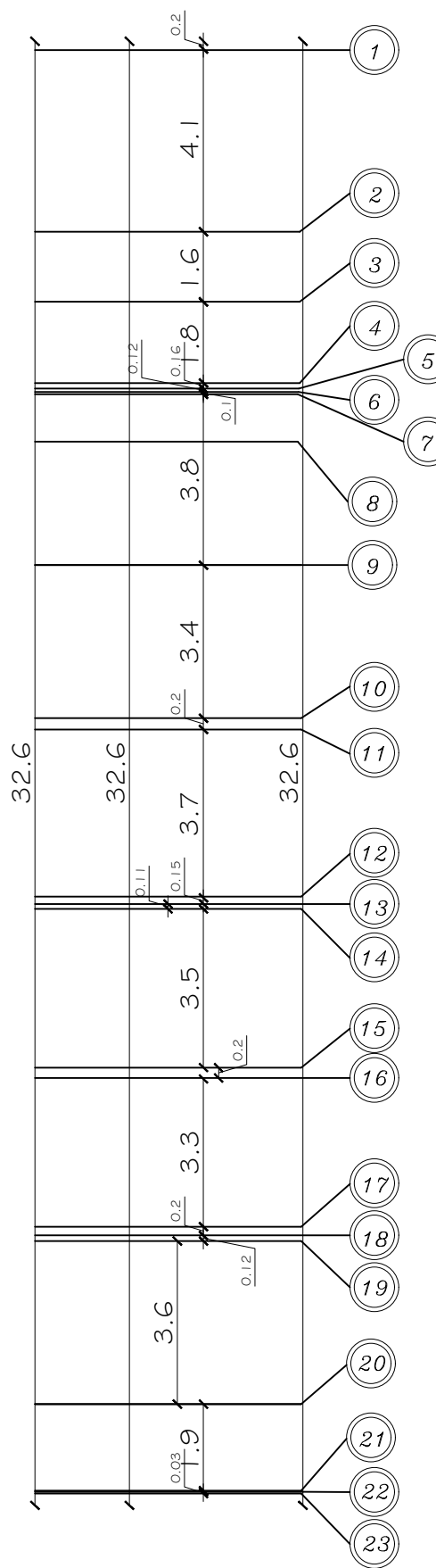
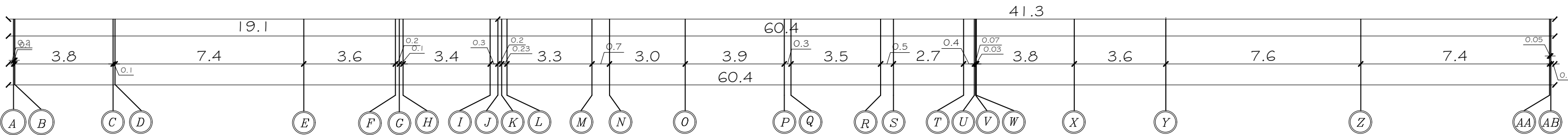
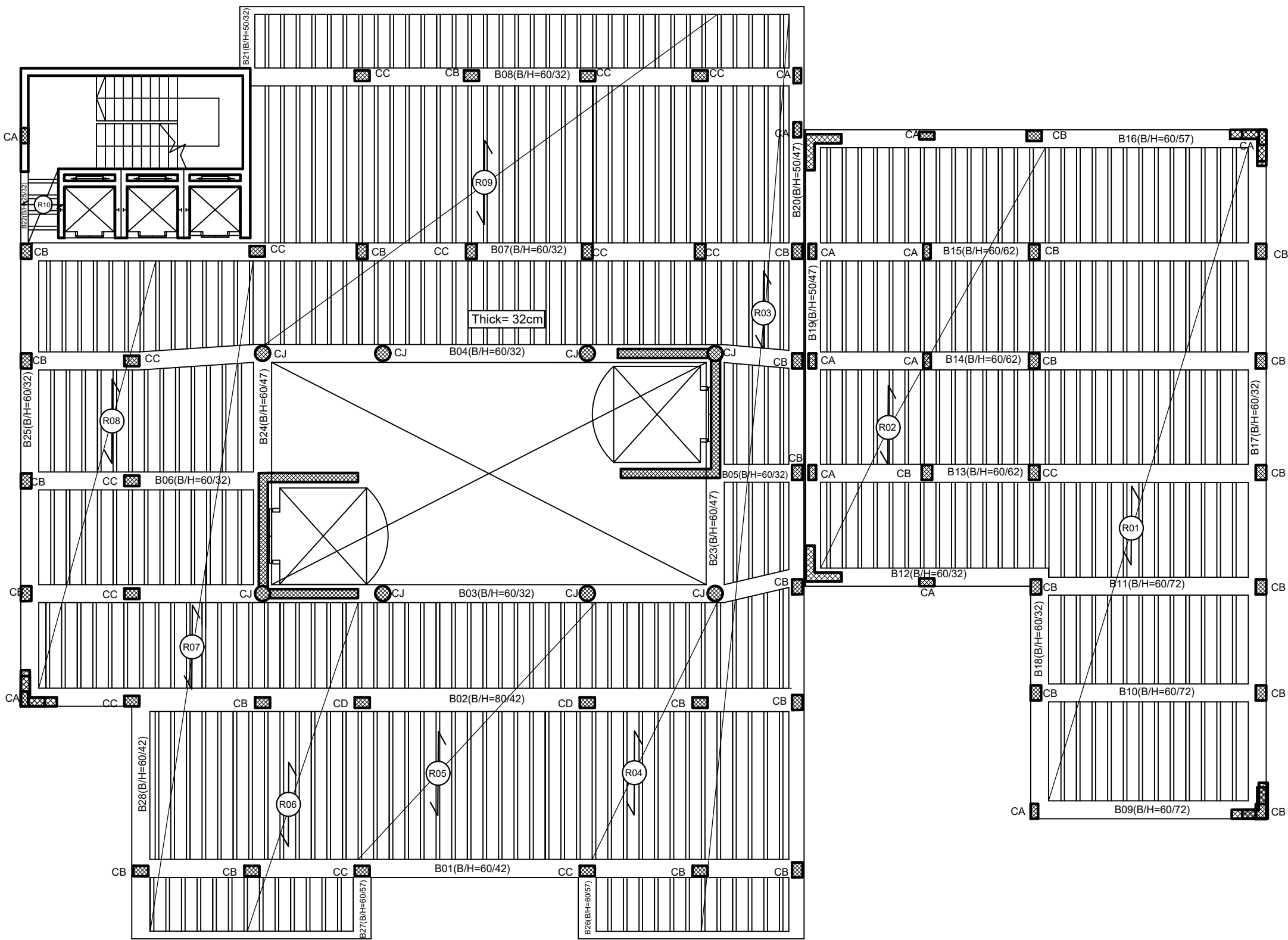
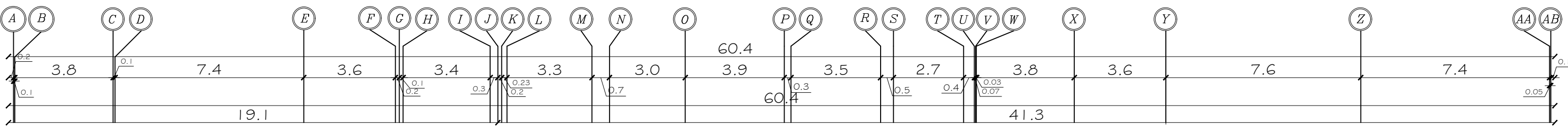
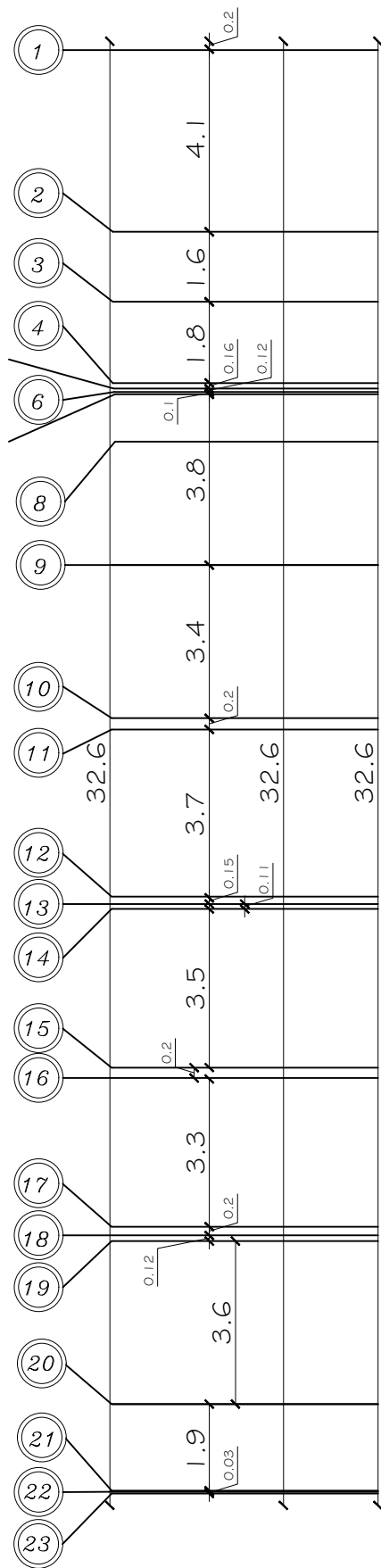
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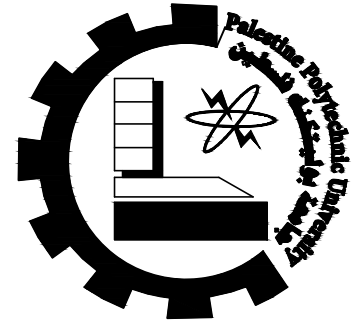
Fourth Floor
Ribs Distribution

Sheet:

S05

Scale: 1:150





Civil & Arch. Eng.
Department

–*Supervisor:*

–Students Name :

Graduation Project :

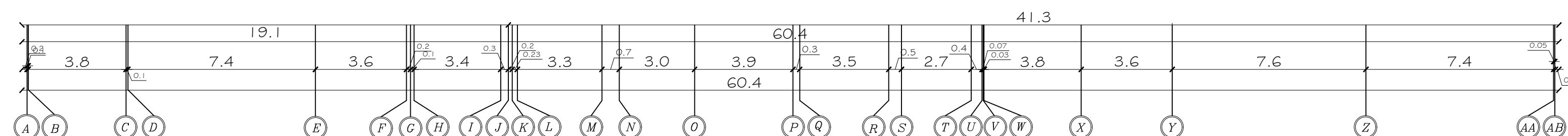
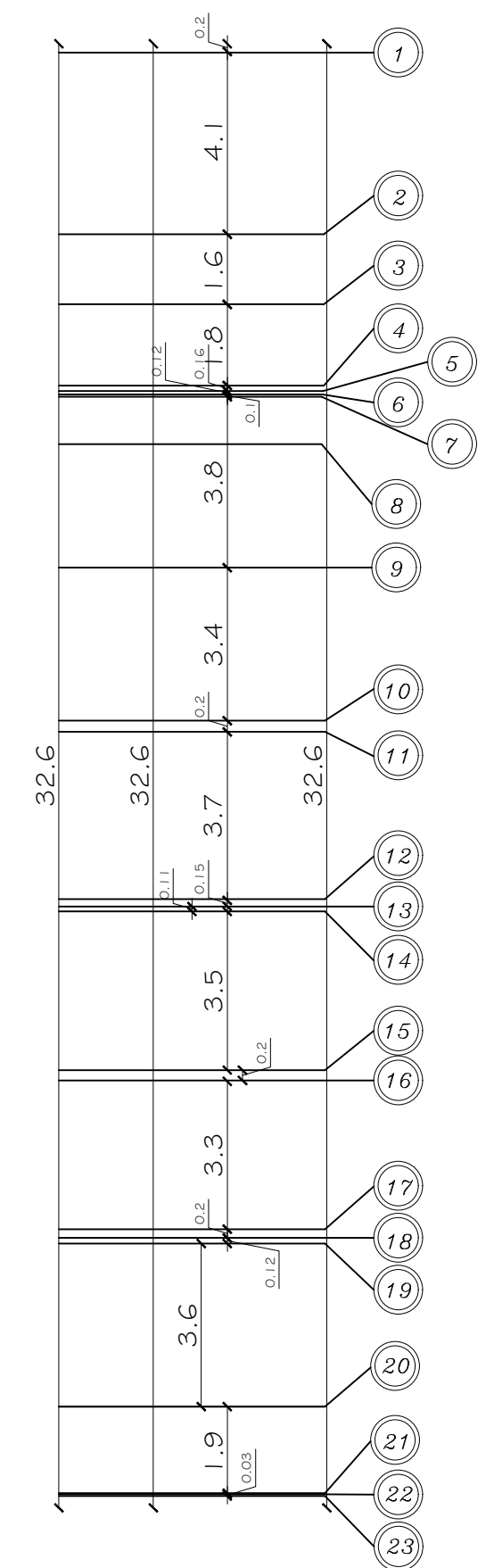
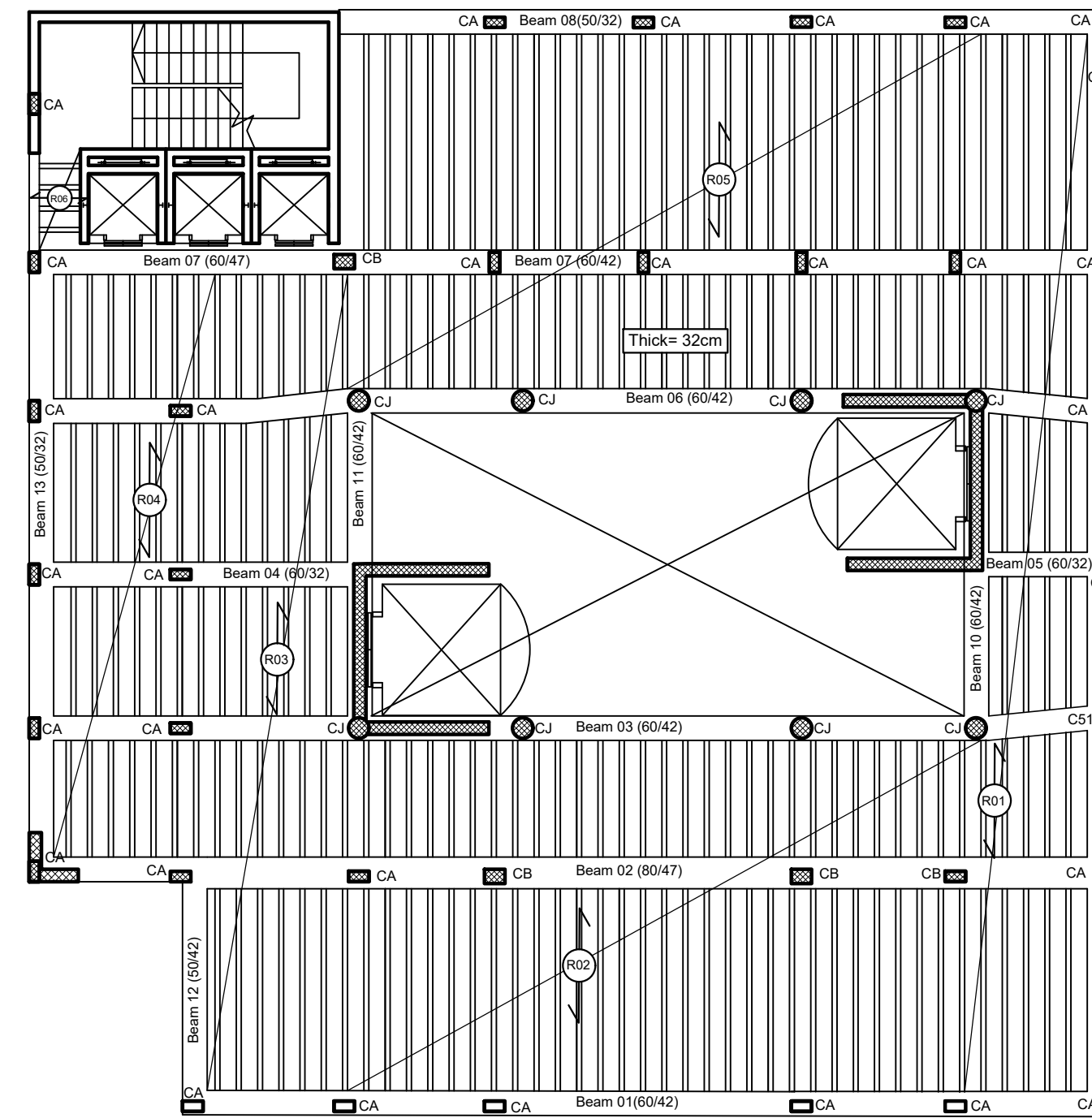
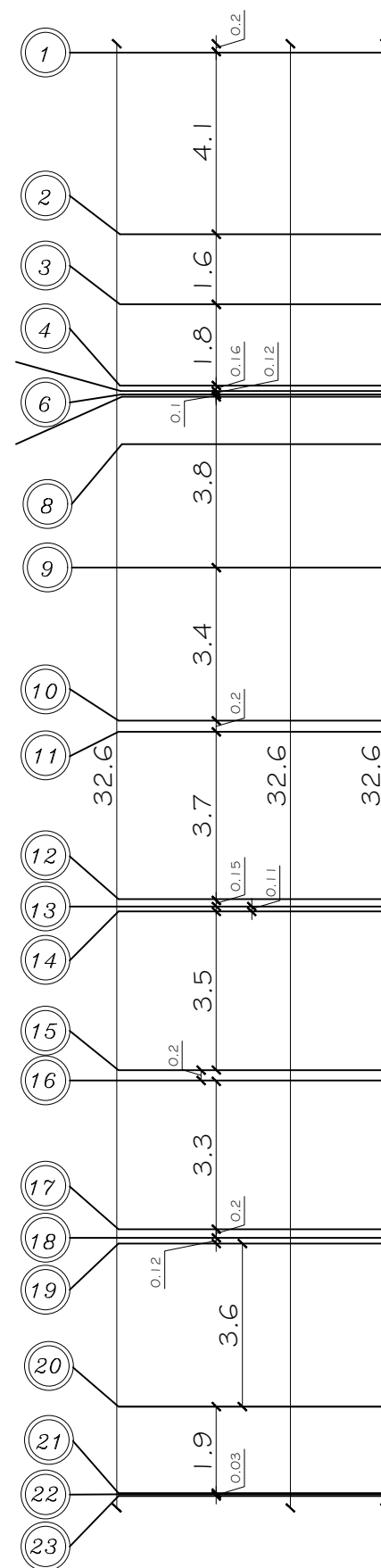
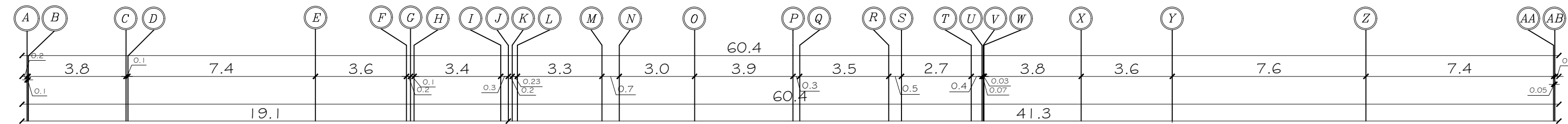
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*Roof Floor
Ribs Distribution*

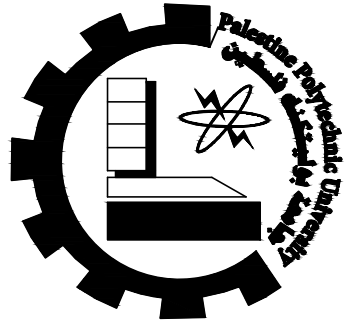
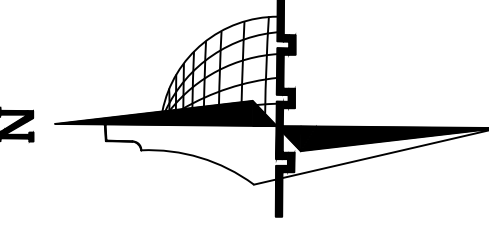
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506

Scale: 1:150



GENERAL NOTES



Palestine Polytechnic
University

Civil &Arch.Eng.
Department

civil Engineering

–Supervisor:

Dr.Belal Al–Masri

–Students Name :

Ahmad Nimer
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Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

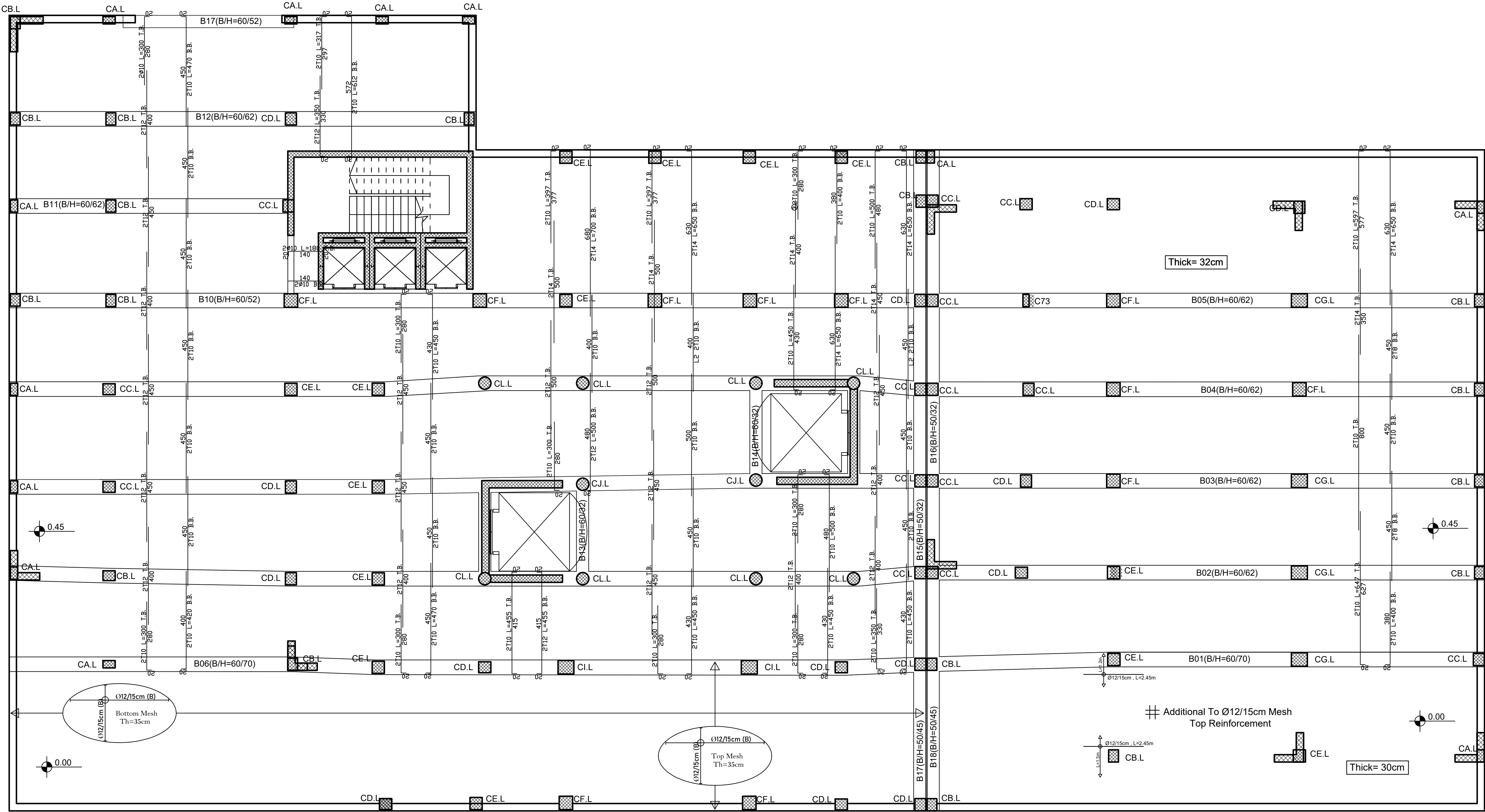
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Basement Floor
Slab Reinforcement

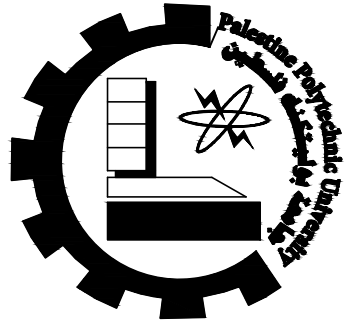
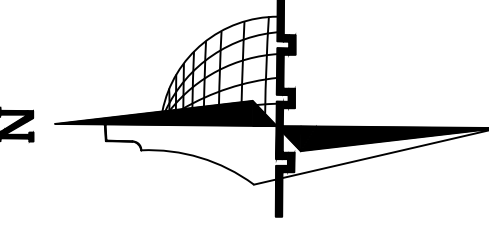
Sheet:

S07

Scale: 1:100



GENERAL NOTES



Palestine Polytechnic
University

Civil &Arch.Eng.
Department

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–Supervisor:

Dr.Belal Al–Masri

–Students Name :

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Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

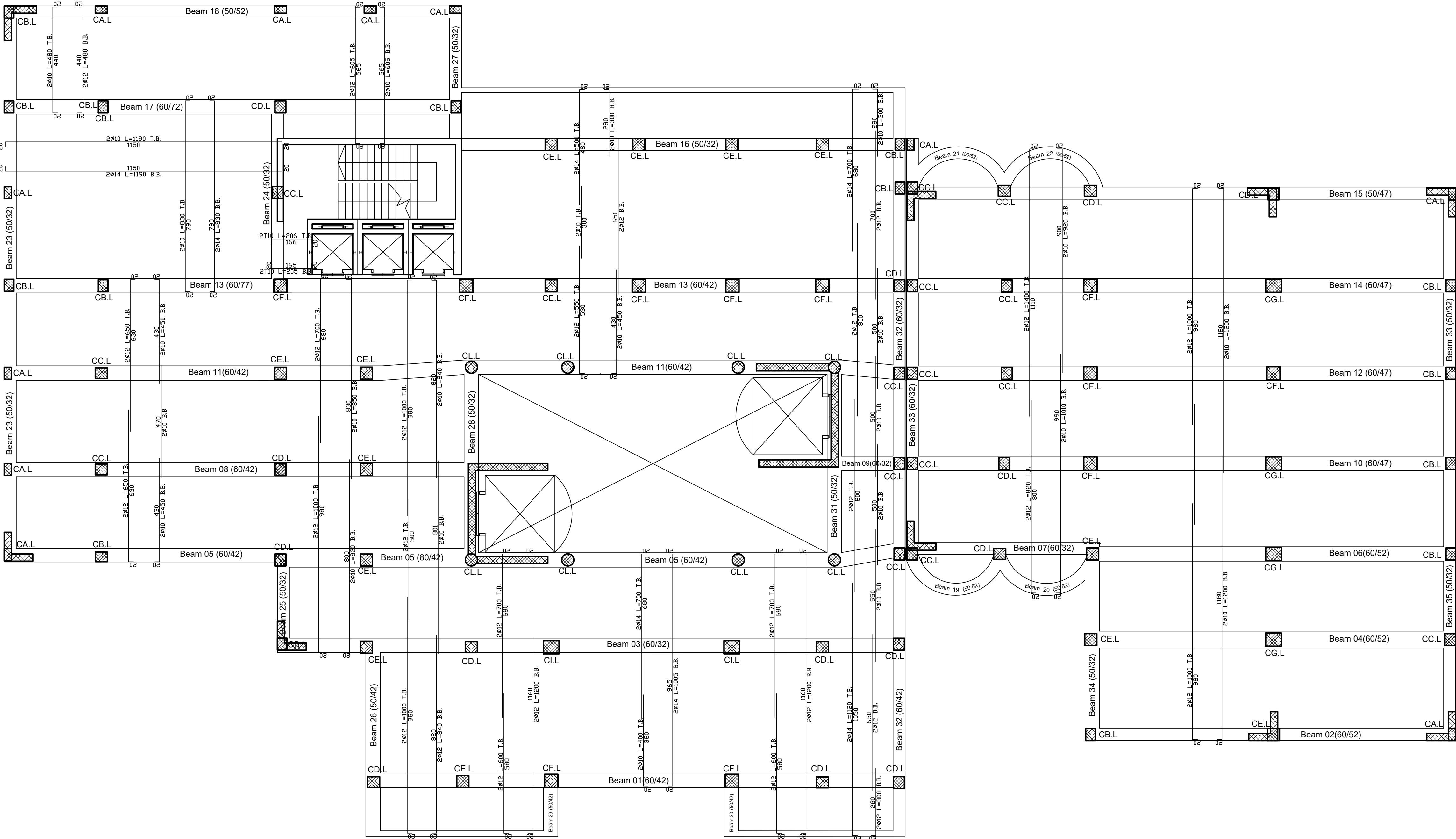
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Ground Floor
Slab Reinforcement

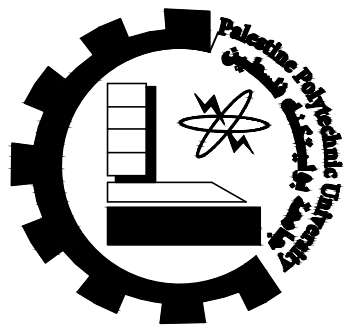
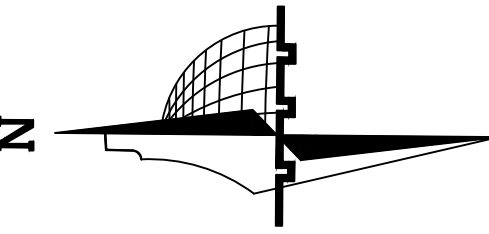
Sheet:

S08

Scale: 1:100



GENERAL NOTES



Palestine Polytechnic
University

Civil &Arch.Eng.
Department

civil Engineering

–Supervisor:

Dr.Belal Al–Masri

–Students Name :

Ahmad Nimer
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Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

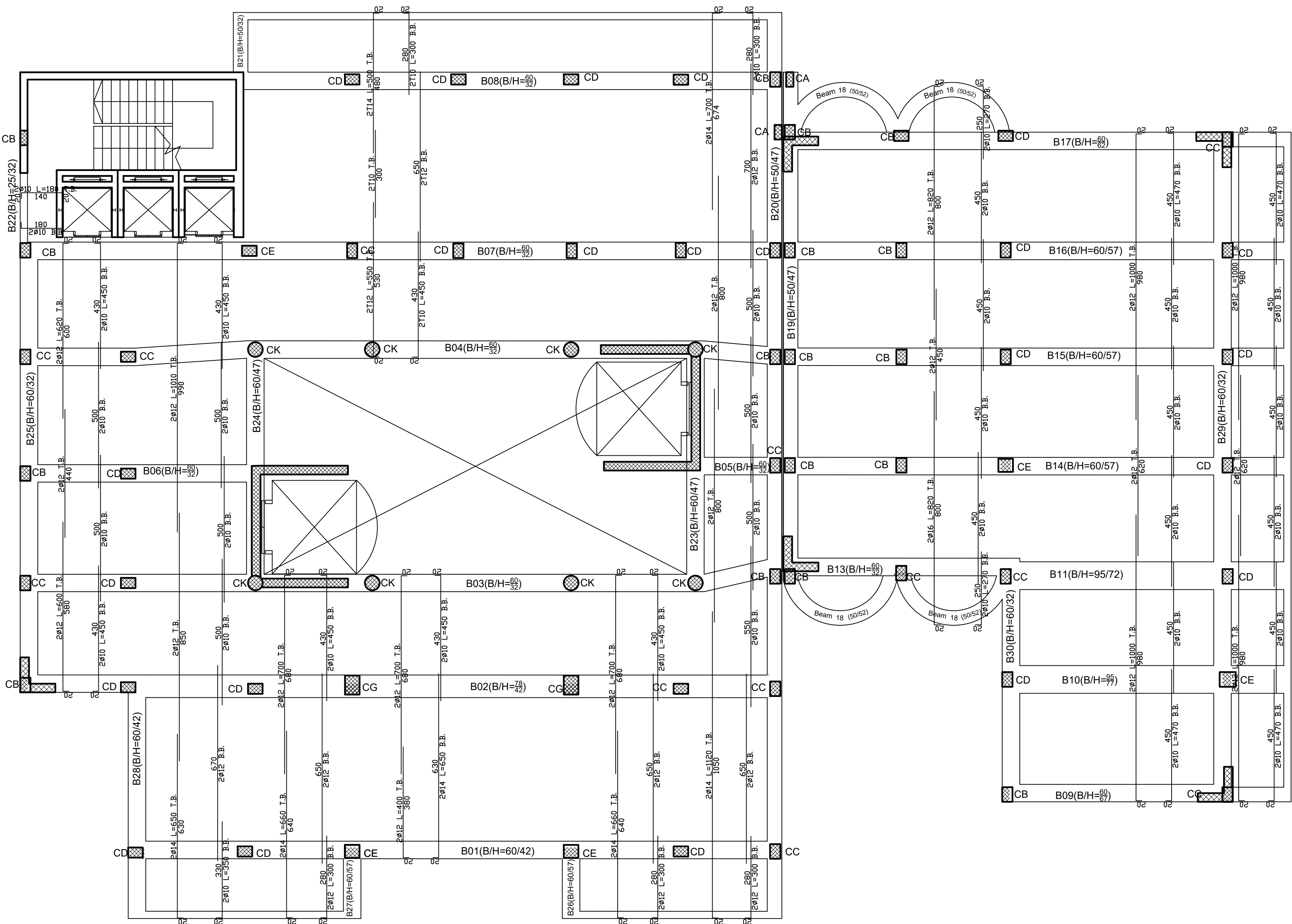
Sheet Title:

First Floor
Slab Reinforcement

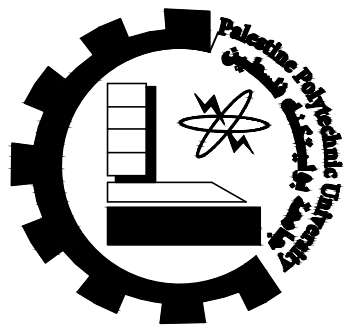
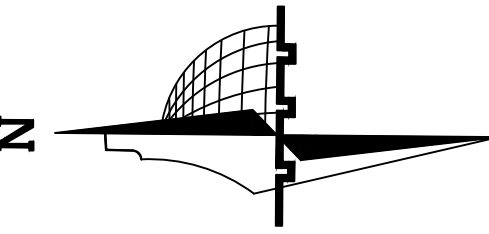
Sheet:

S09

Scale: 1:100



GENERAL NOTES



Palestine Polytechnic
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Department

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–Students Name :

Ahmad Nimer
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Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

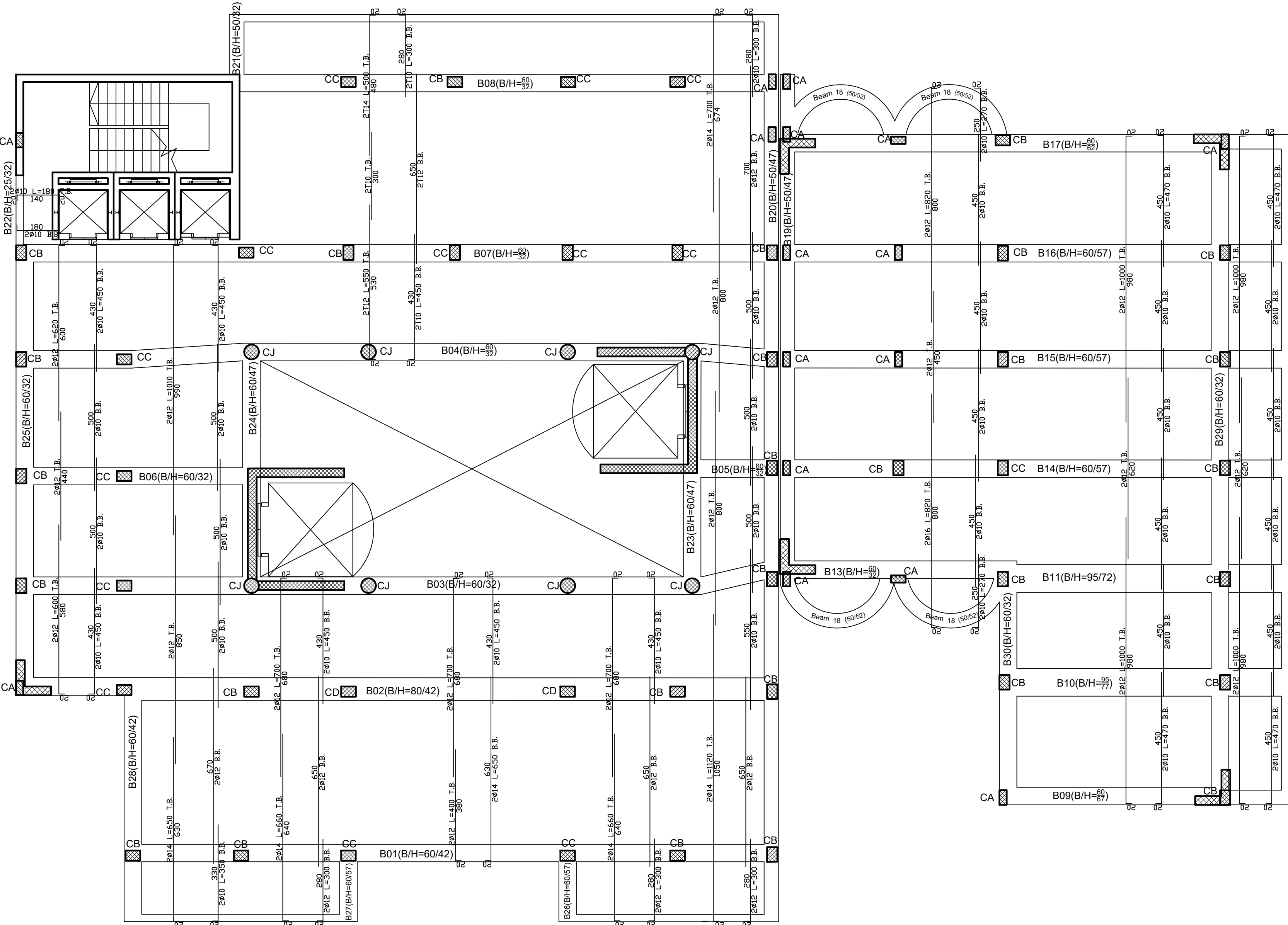
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2nd&3rd Floor
Slab Reinforcement

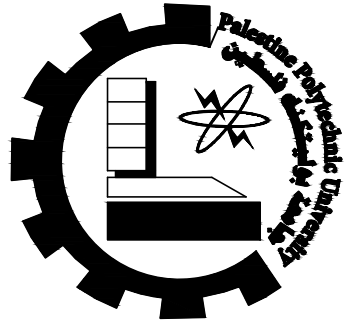
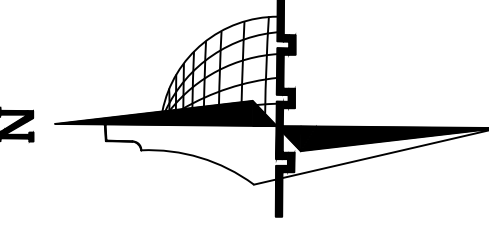
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S10

Scale: 1:100



GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
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Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

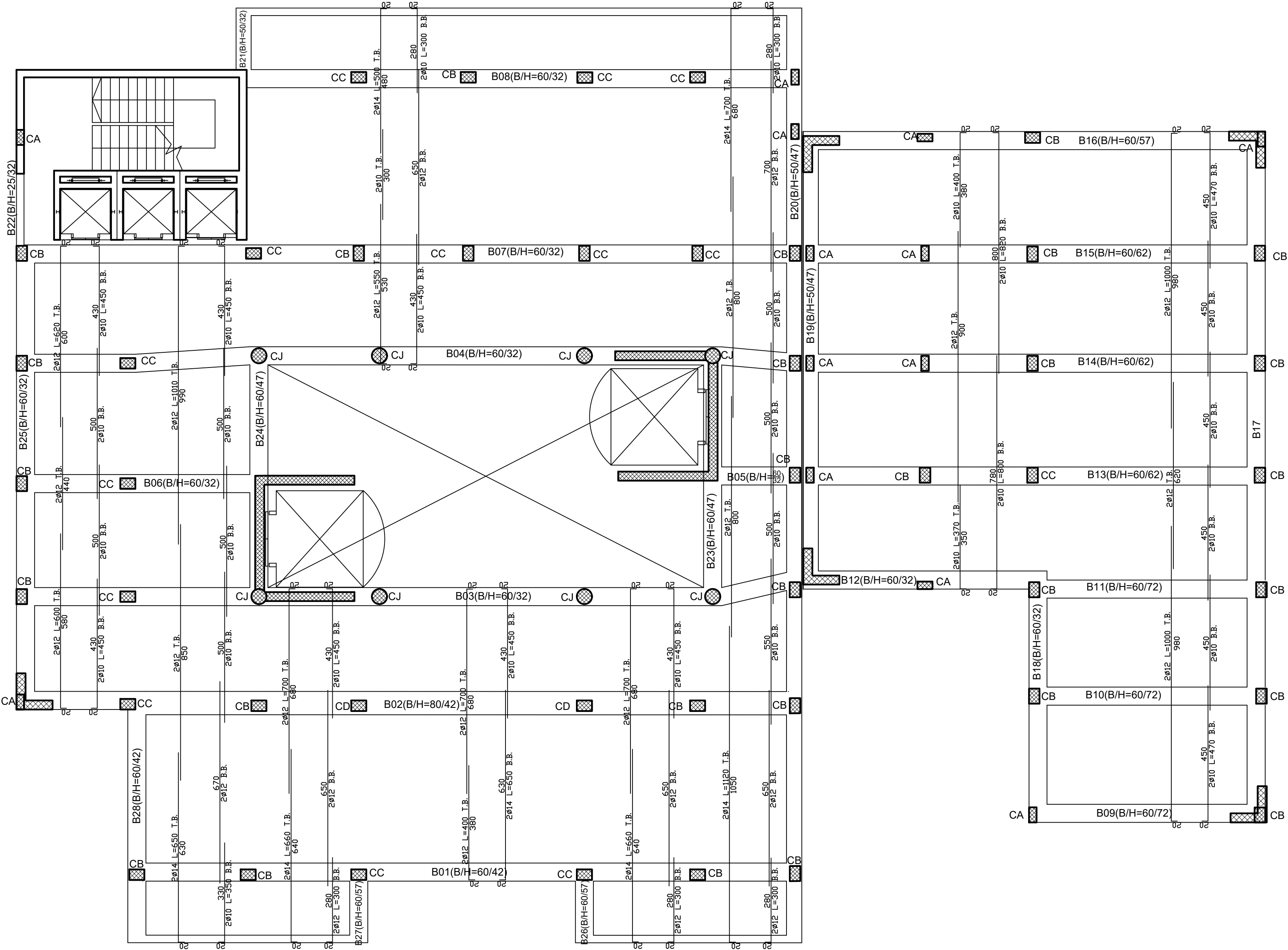
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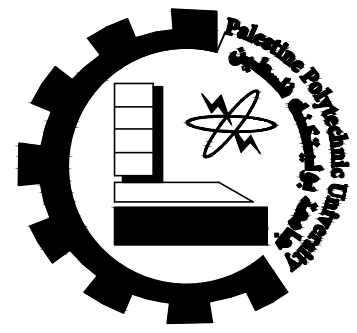
Forth Floor
Slab Reinforcement

Sheet:

S11

Scale: 1:100





Civil & Arch. Eng.
Department

–*Supervisor:*

–Students Name :

Graduation Project :

*Structural design for a
proposed building
(Al-Manar Hotel)*

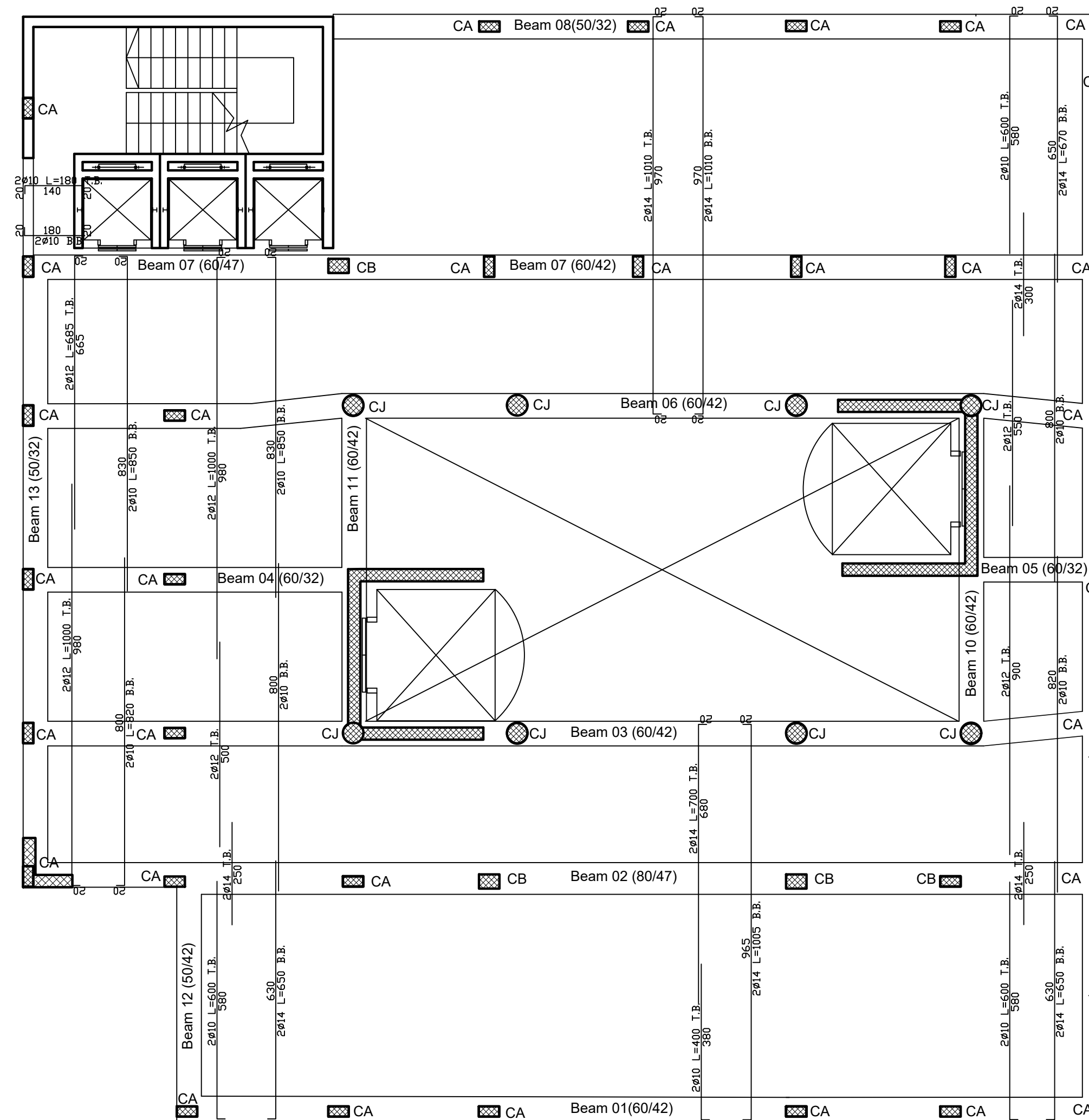
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*Roof Floor
Slab Reinforcement*

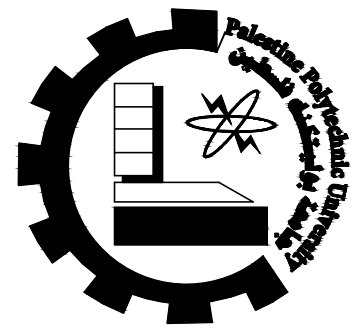
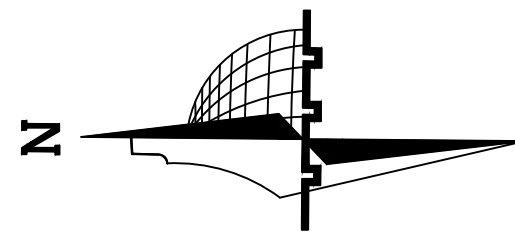
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\$12

Scale: *1:100*



GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

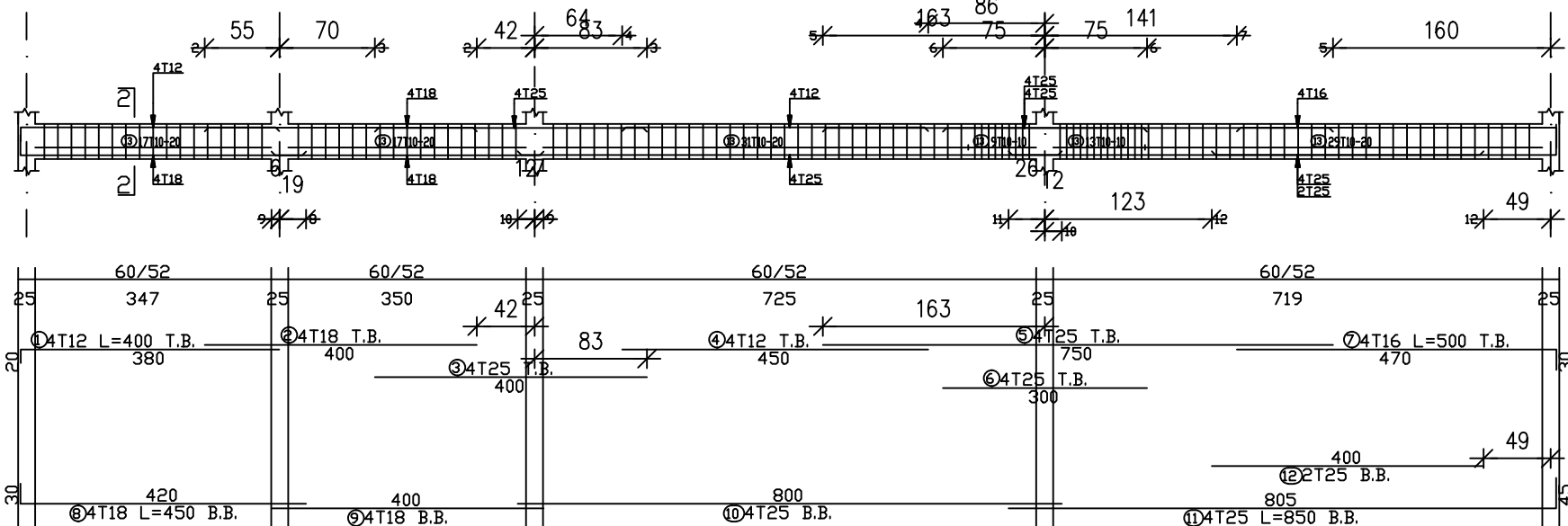
Beams Drawings

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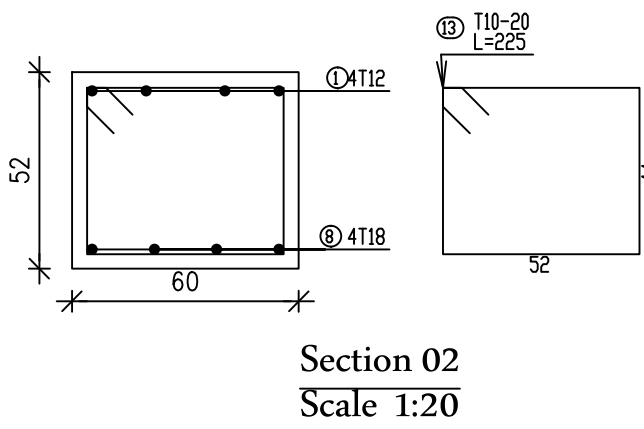
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Scale: 1:100

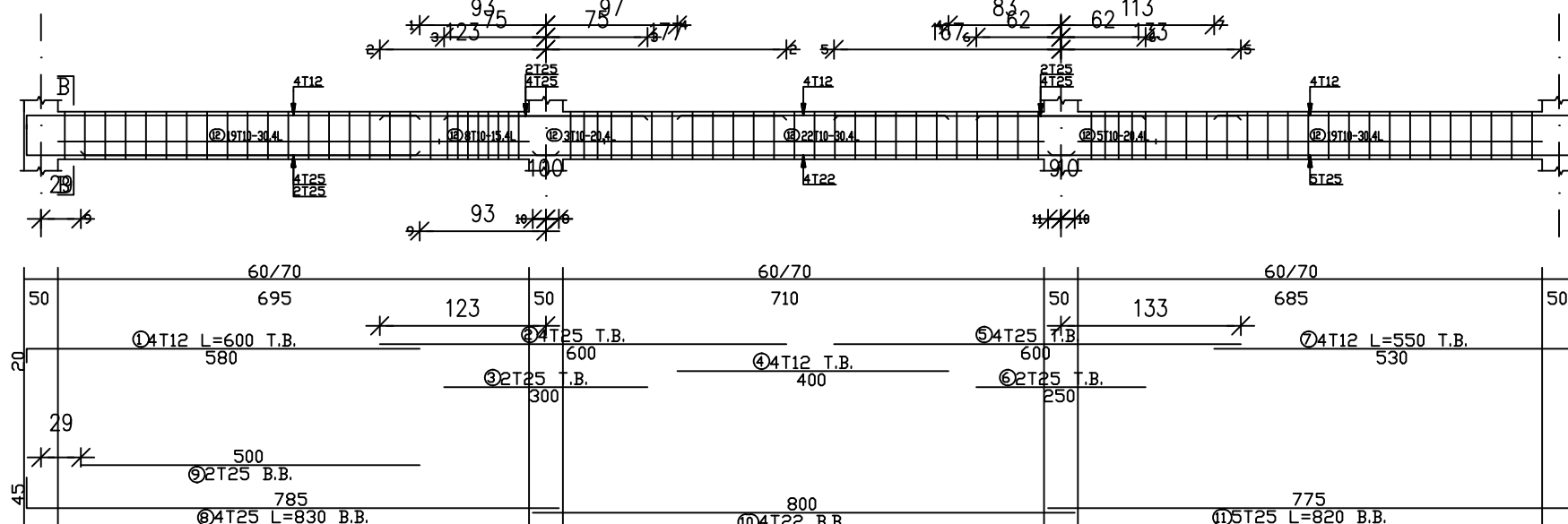
Beam(1,2,3,4,5,6) Basement Floor



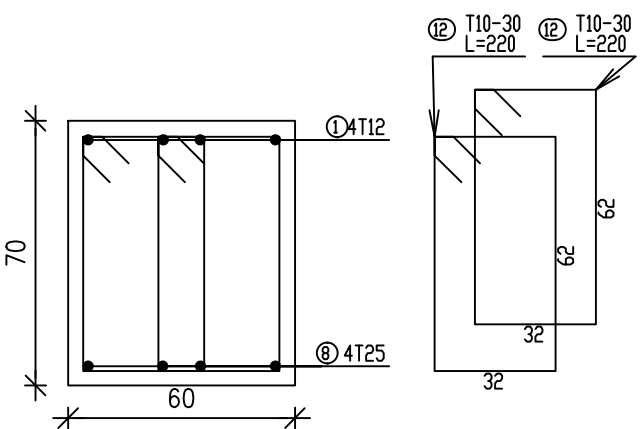
Beam 02 (60/52)



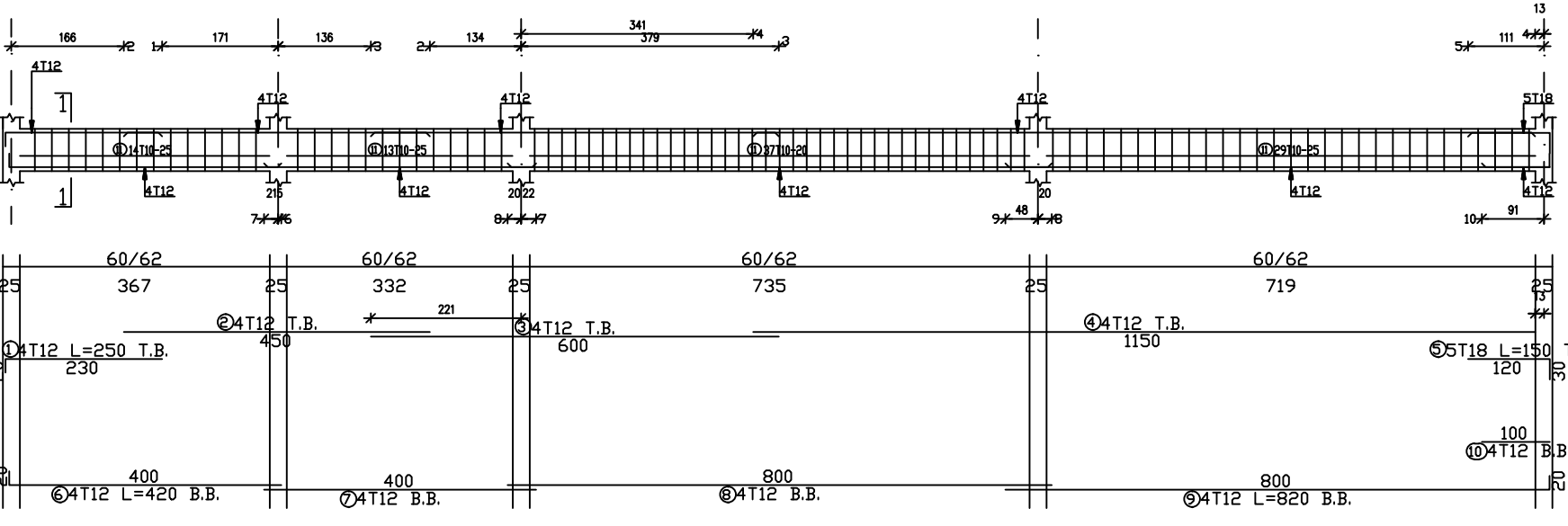
Section 02
Scale 1:20



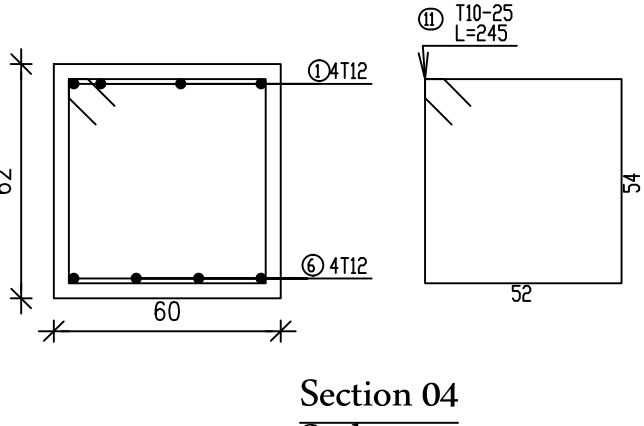
Beam 01 (60/70)



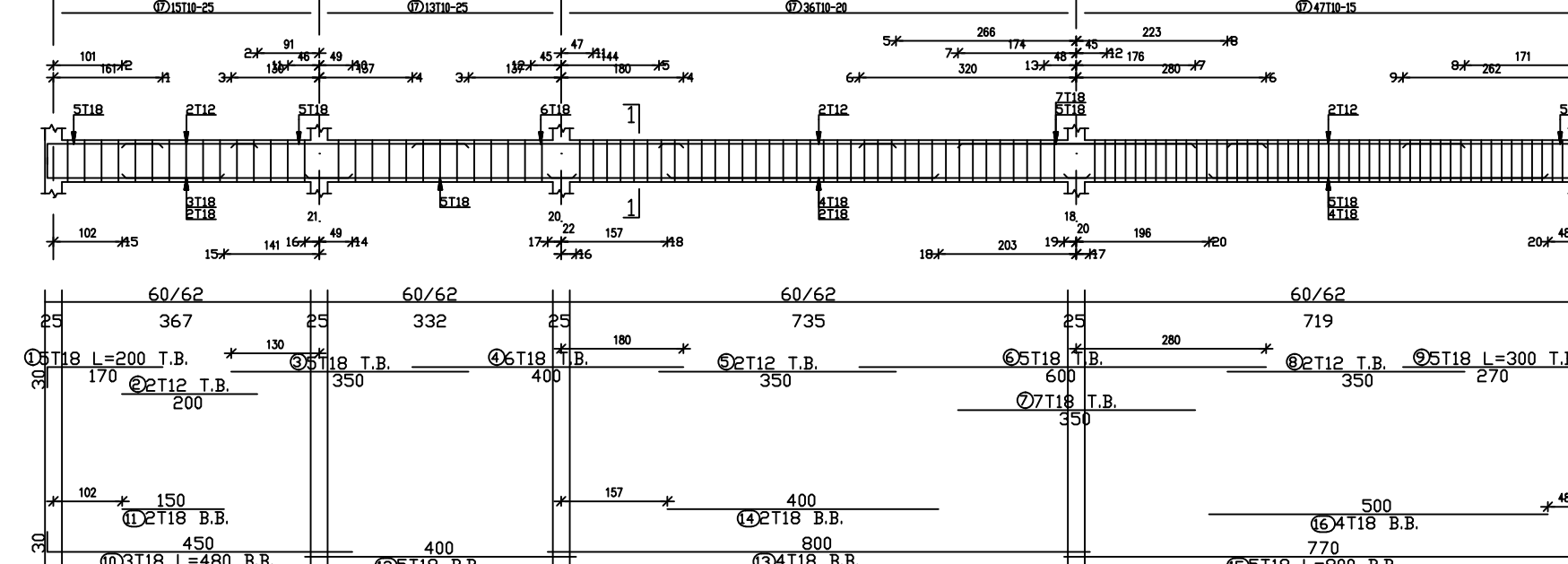
Section 01
Scale 1:20



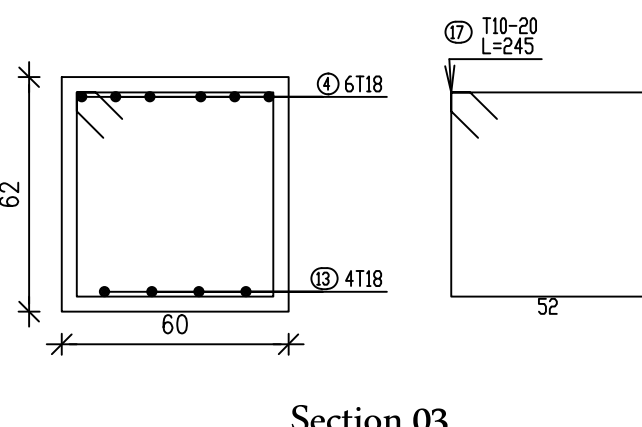
Beam 04 (60/62)



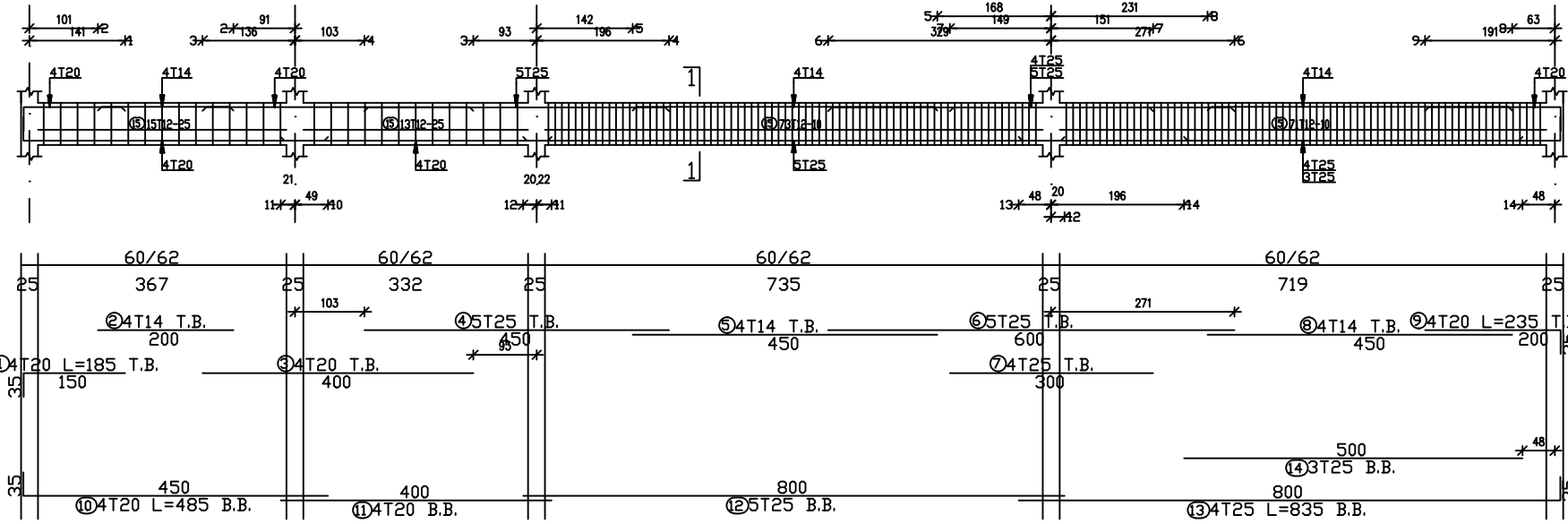
Section 04
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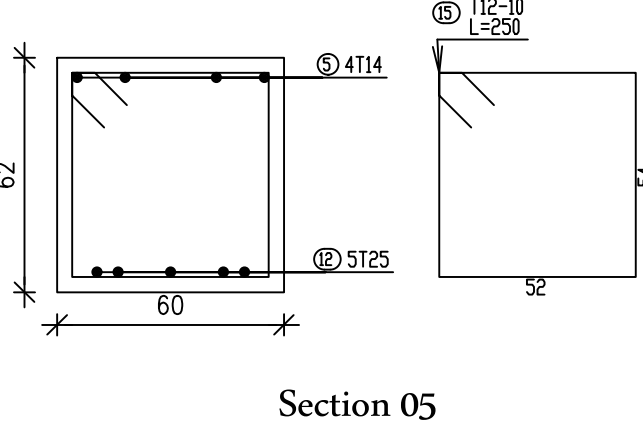
Beam 03 (60/62)



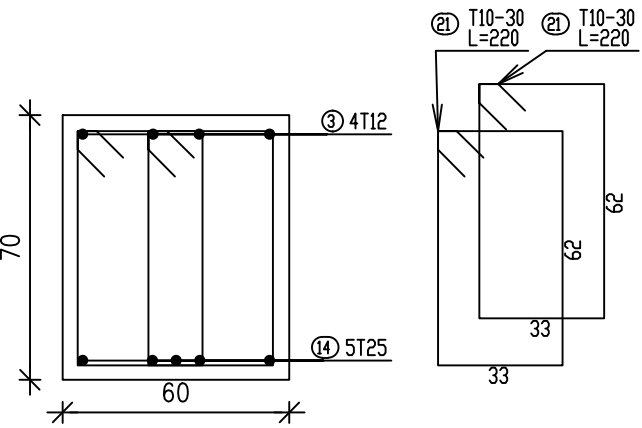
Section 03
Scale 1:20



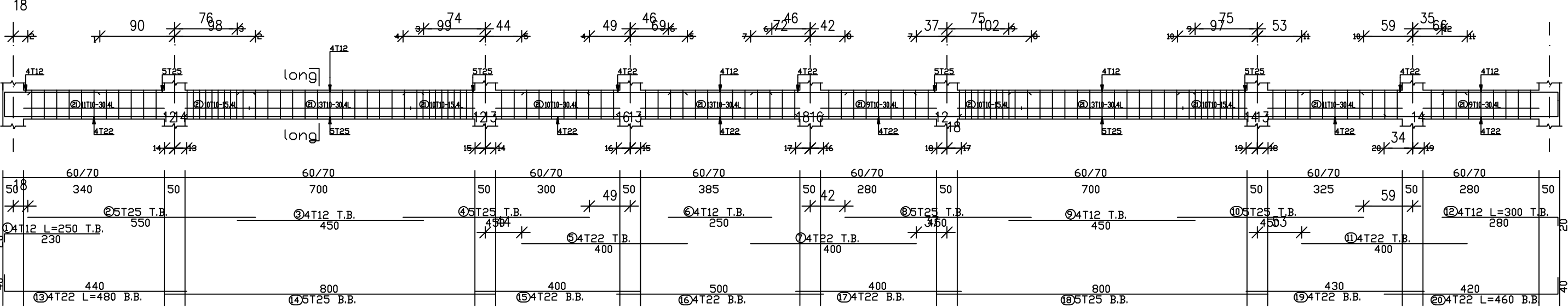
Beam 05 (60/62)



Section 05
Scale 1:20

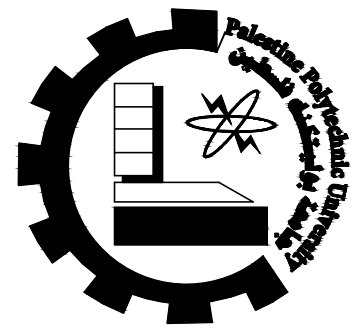
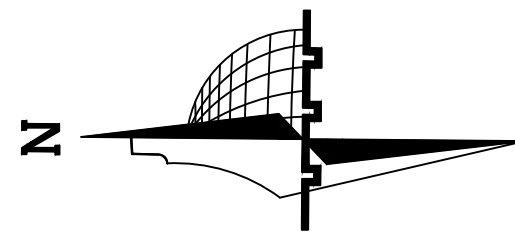


Section 06
Scale 1:20



Beam 06 (60/70)

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

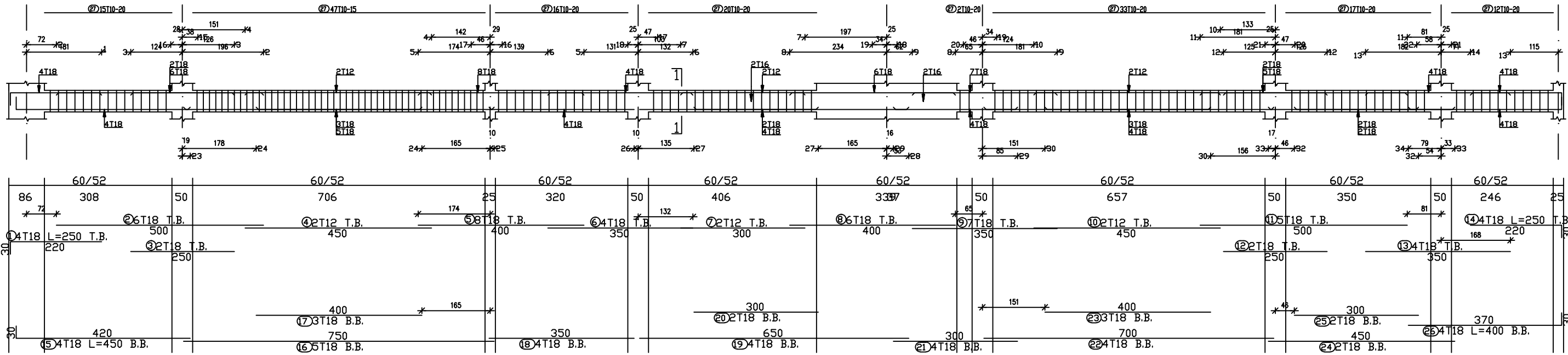
Beams Drawings

Sheet:

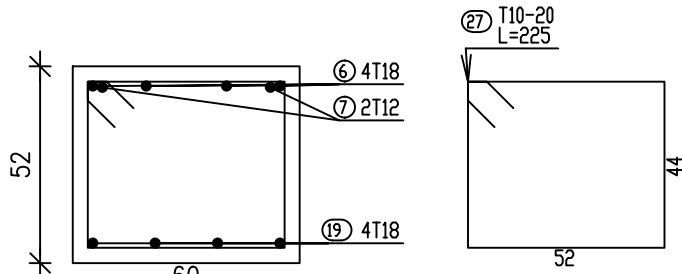
S14

Scale: 1:100

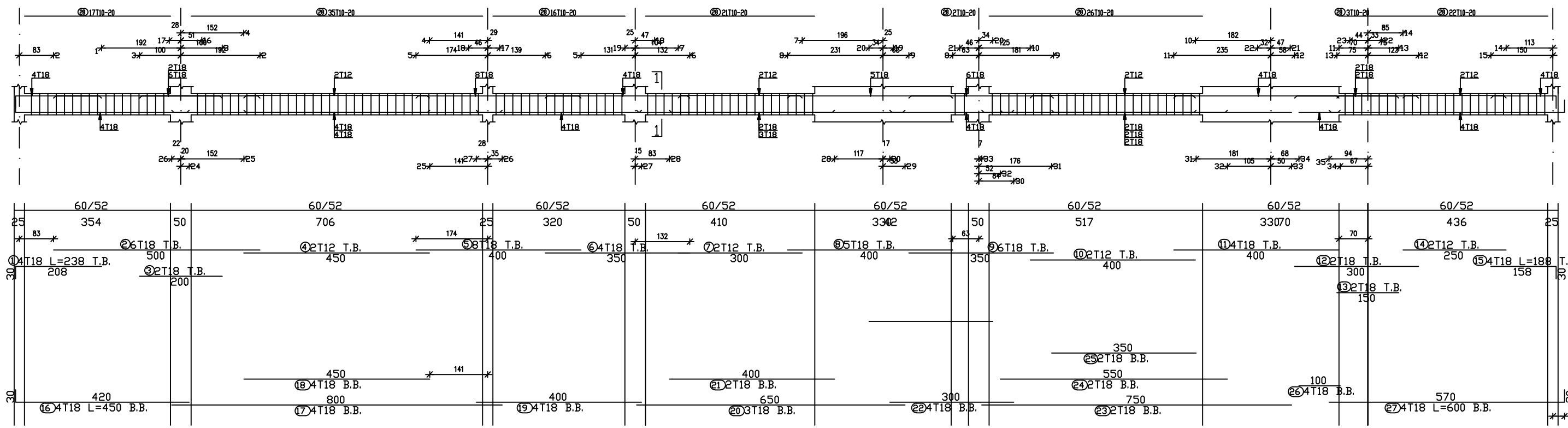
Beam(7,8,9,10) Basement Floor



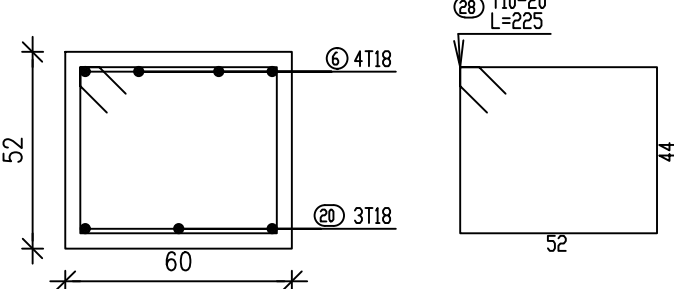
Beam 07 (60/52)



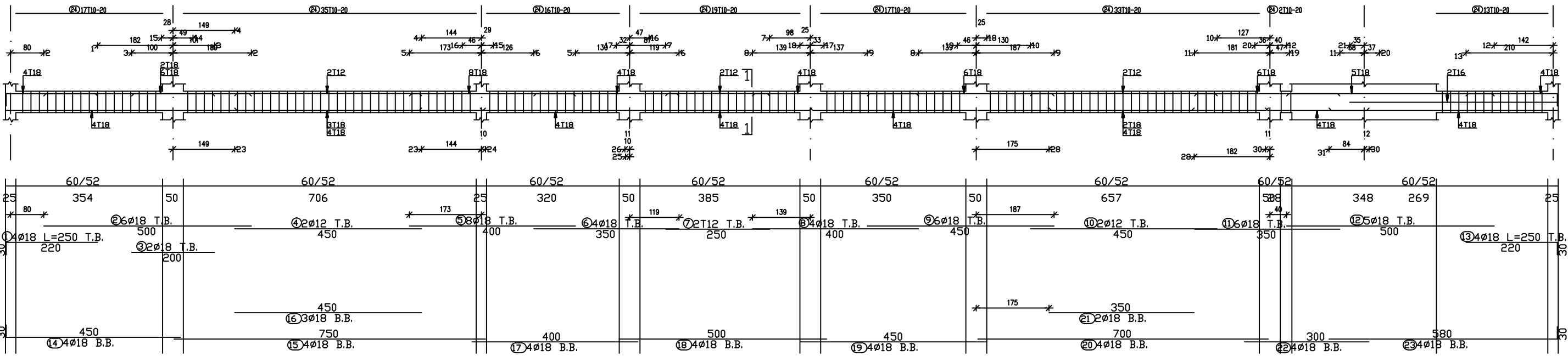
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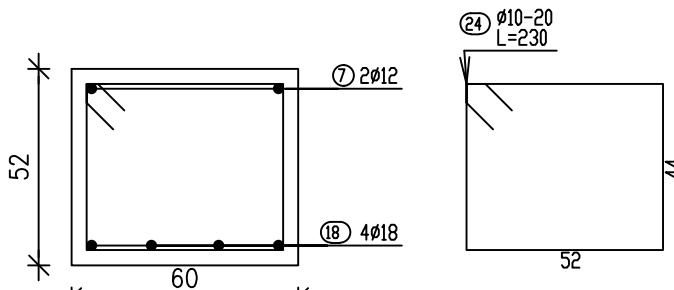
Beam 08 (60/52)



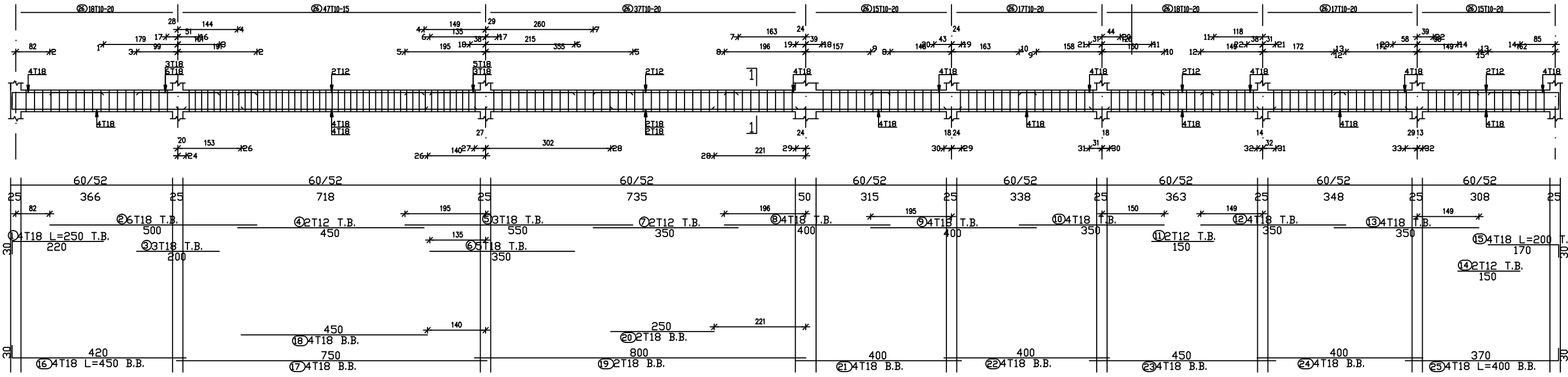
Section 08
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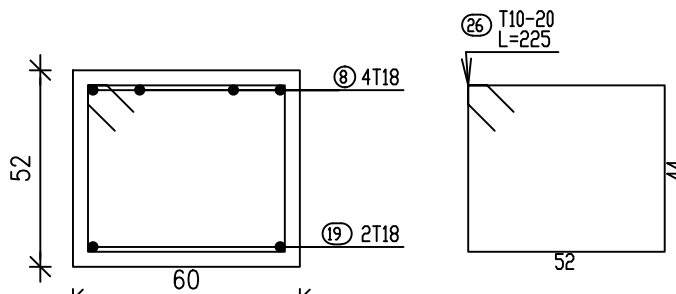
Beam 09 (60/52)



Section 09
Scale 1:20

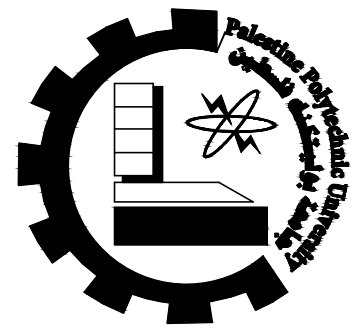
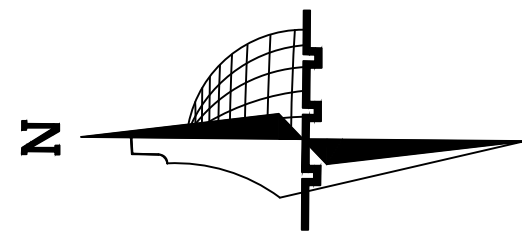


Beam 10 (60/52)



Section 10
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

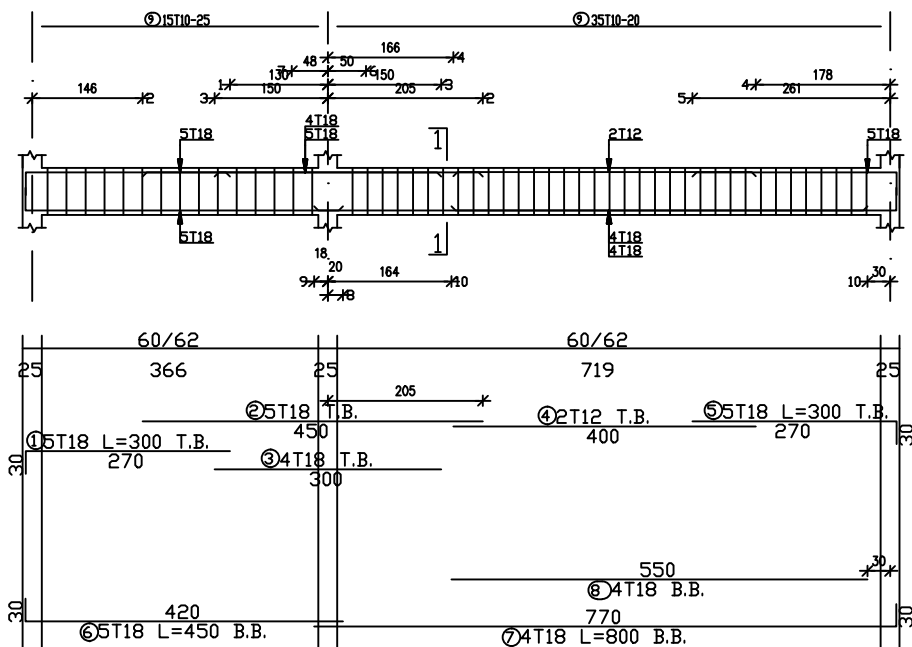
Beams Drawings

Sheet:

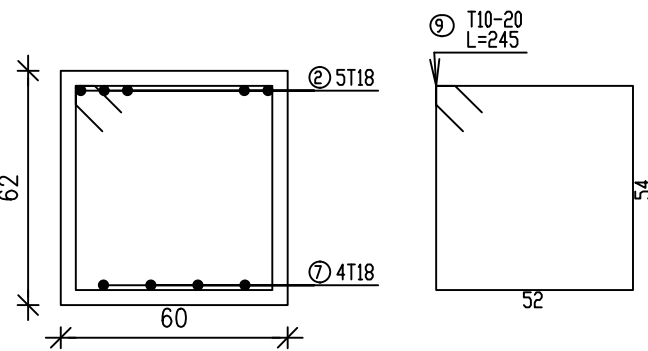
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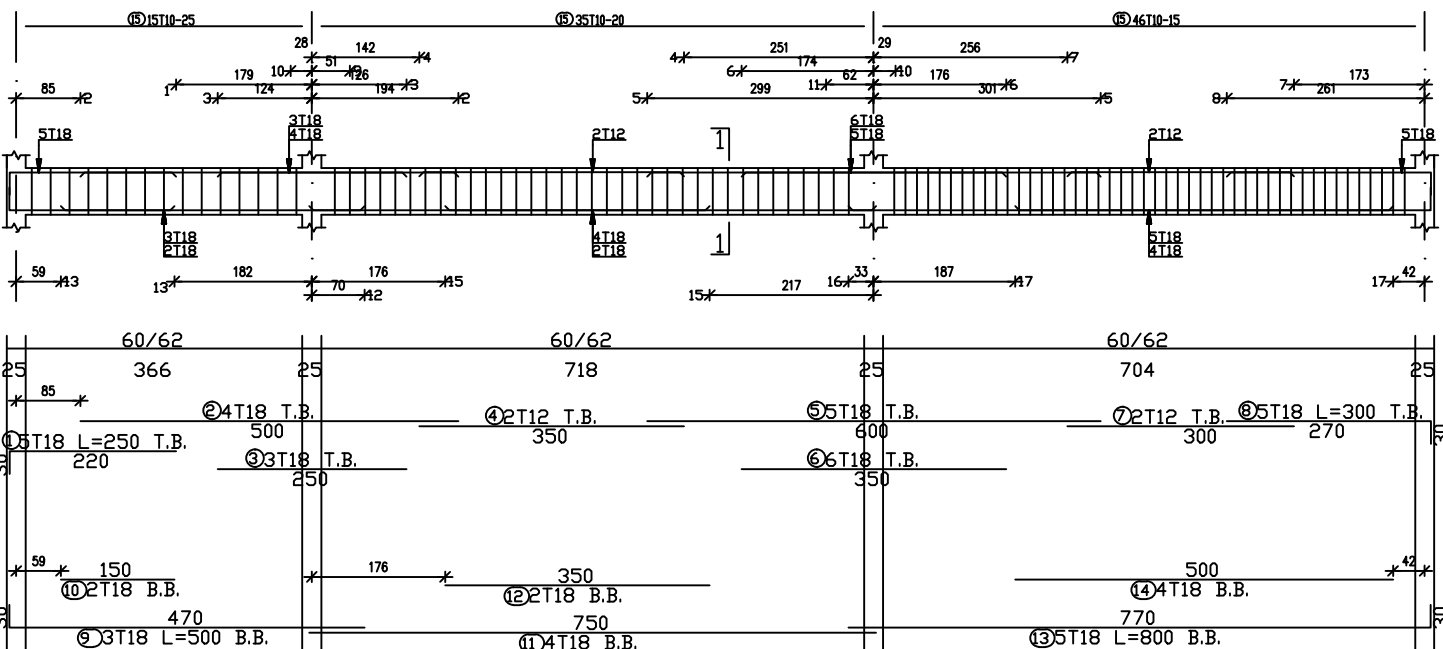
Beam(11-18) Basement Floor



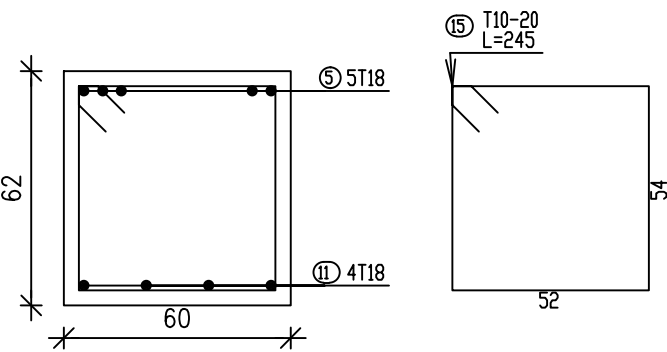
Beam 11 (60/62)



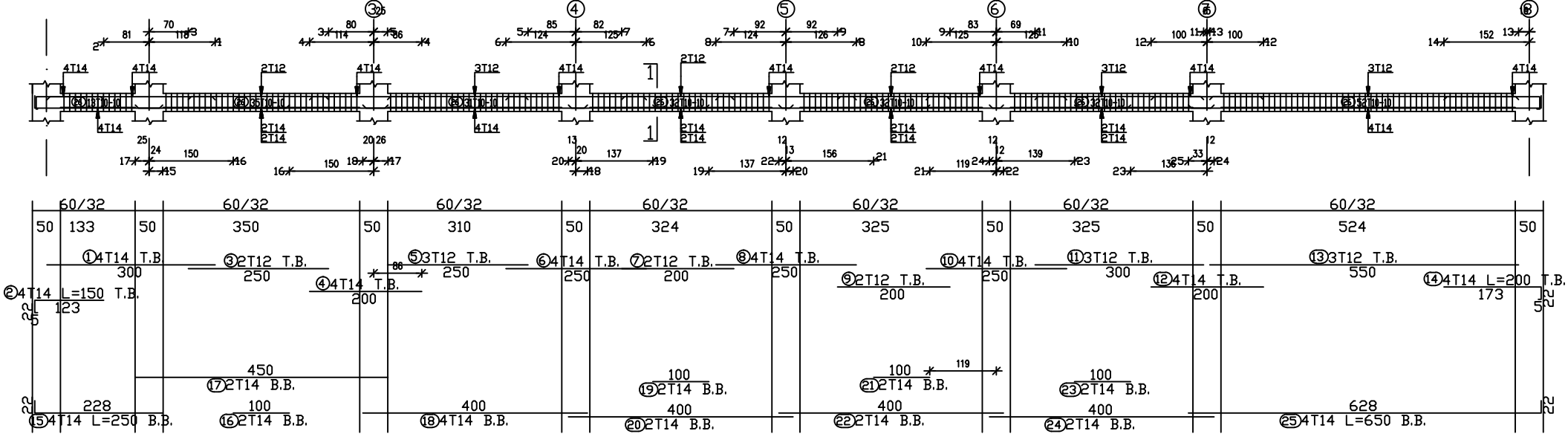
Section 11
Scale 1:20



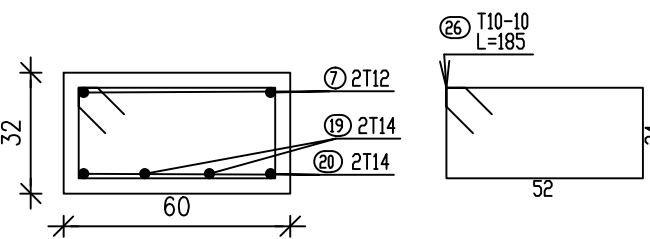
Beam 12 (60/62)



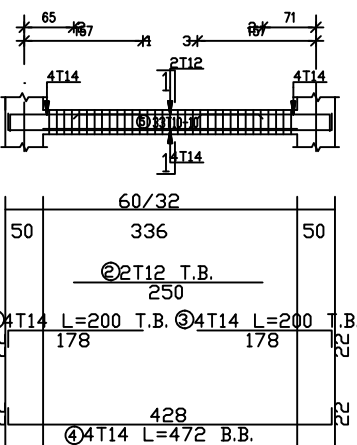
Section 12
Scale 1:20



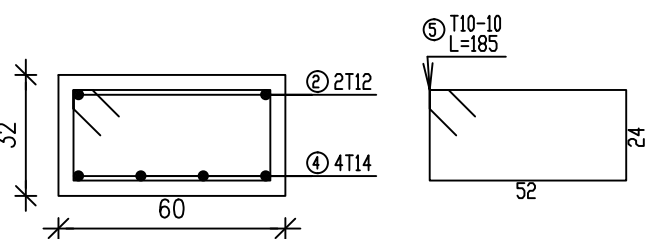
Beam 15&16 (60/32)



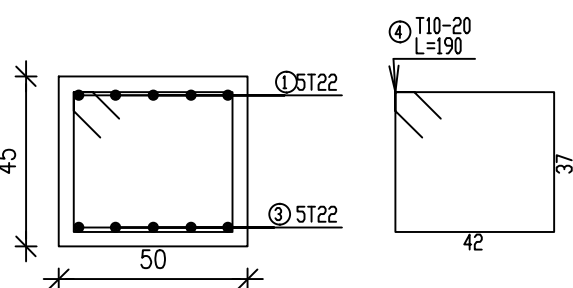
Section 15&16
Scale 1:20



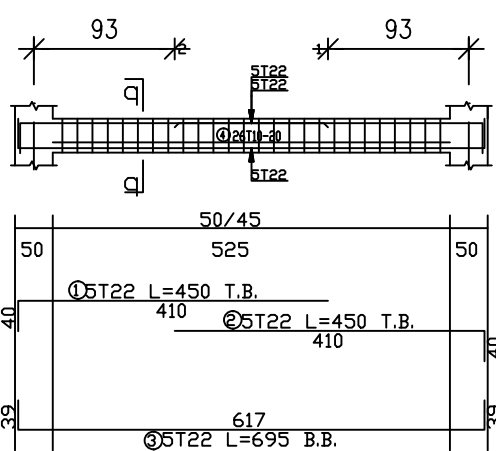
Beam 13&14 (60/32)



Section 13&14
Scale 1:20

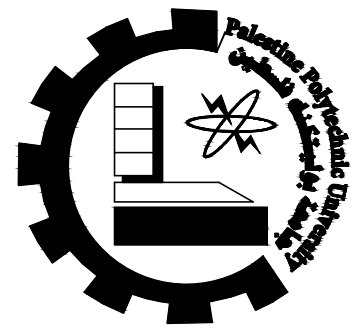
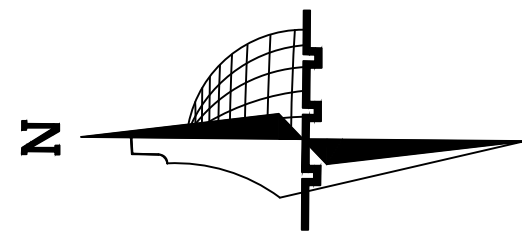


Section 17&18
Scale 1:20



Beam 17&18 (50/45)

GENERAL NOTES



Palestine Polytechnic
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–Supervisor:

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Graduation Project :

Structural design for a
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Sheet Title:

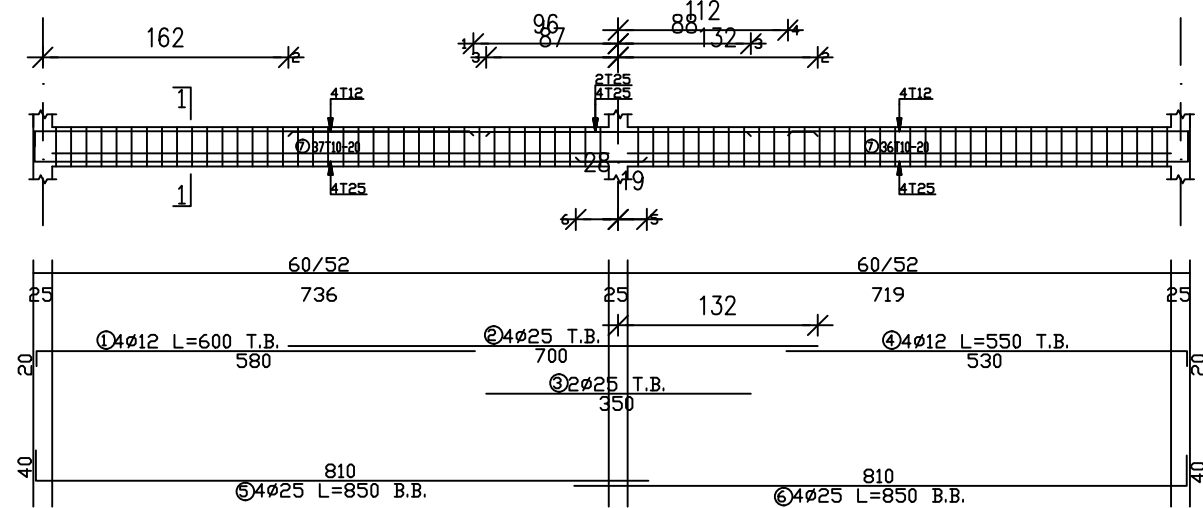
Beams Drawings

Sheet:

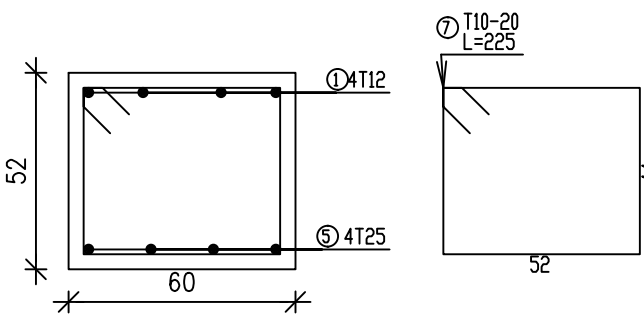
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Scale: 1:100

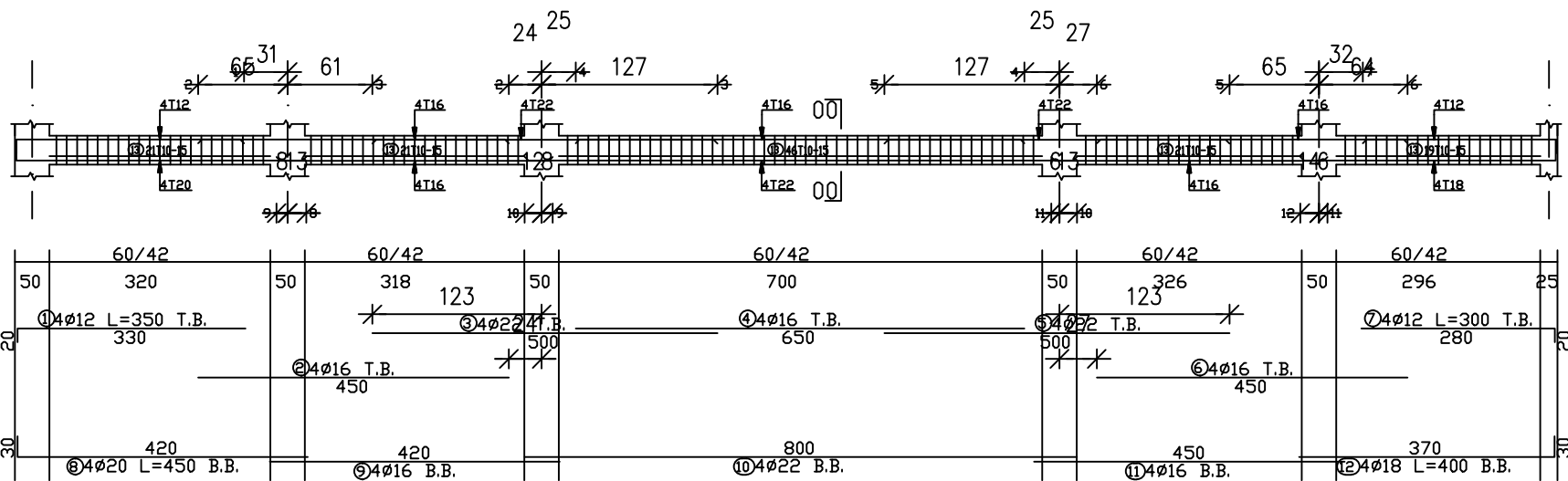
Beam(1,2,3,4,5,6,7) Ground Floor



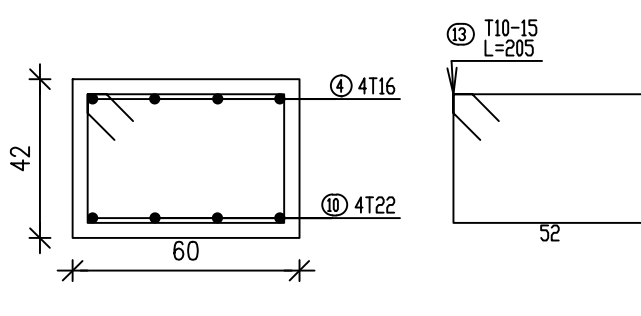
Beam 02 (60/52)



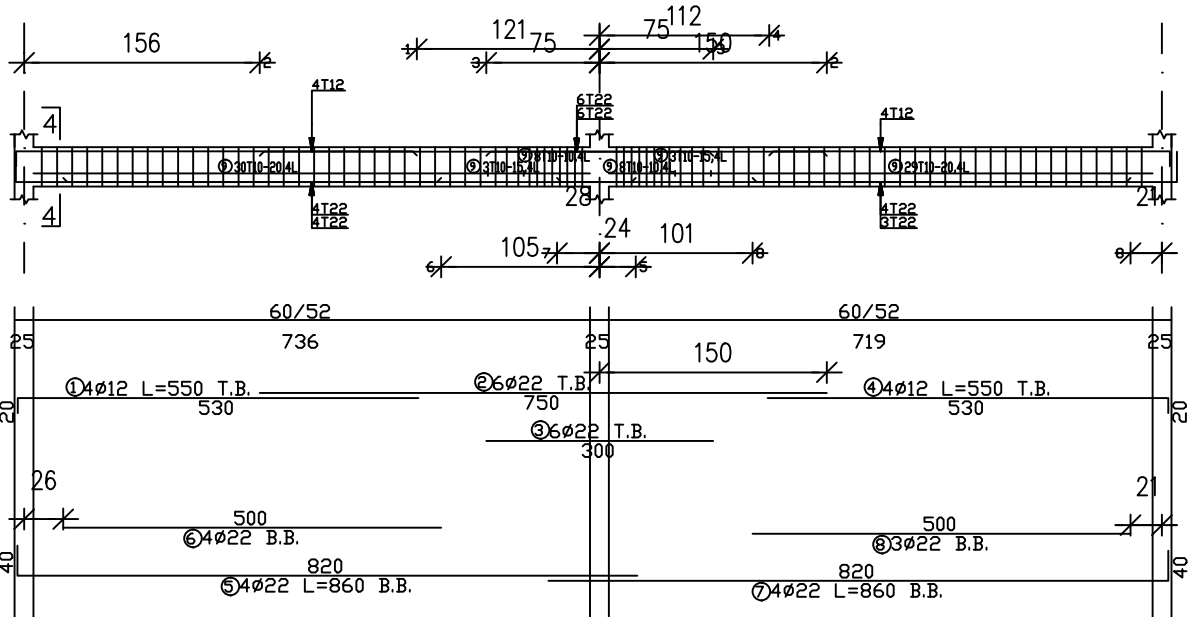
Section 02
Scale 1:20



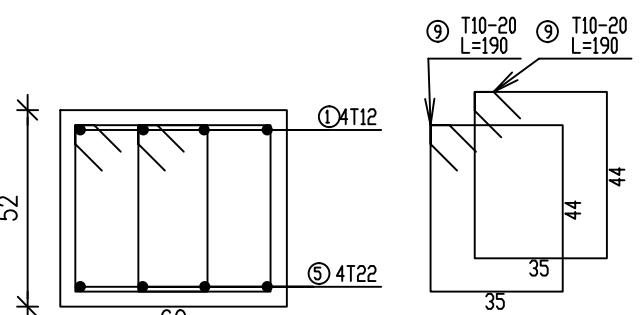
Beam 01 (60/42)



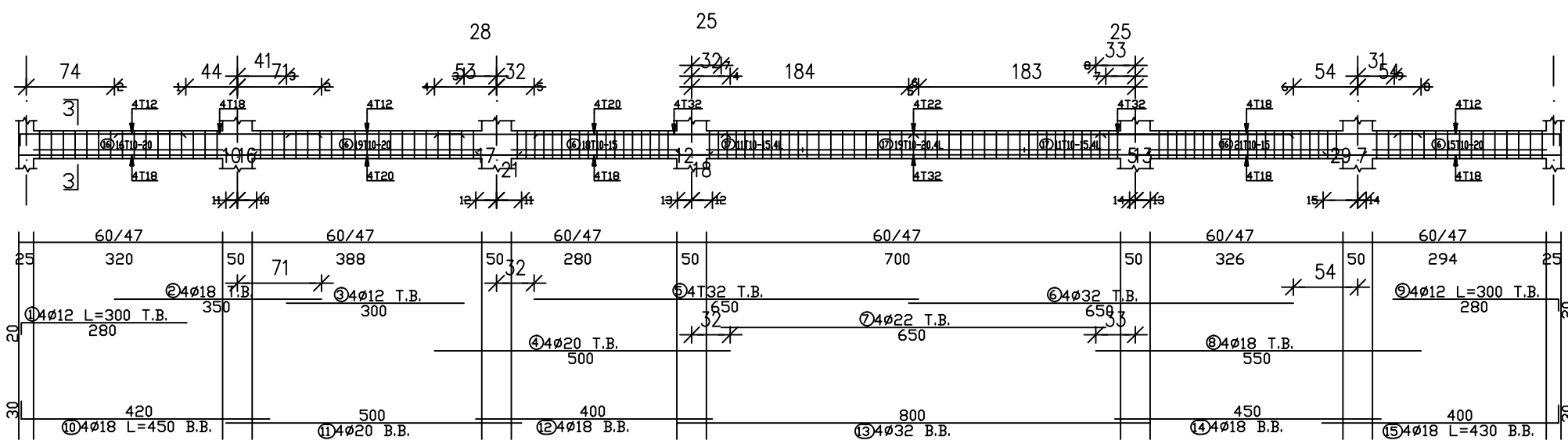
Section 01
Scale 1:20



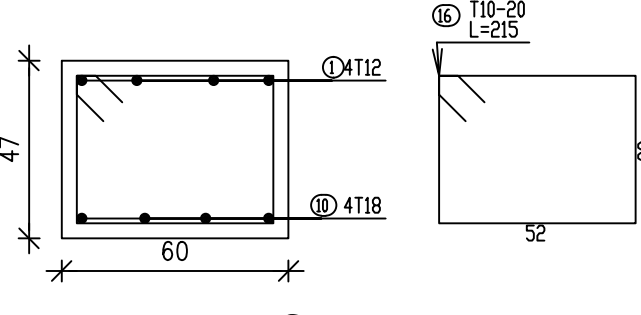
Beam 04 (60/52)



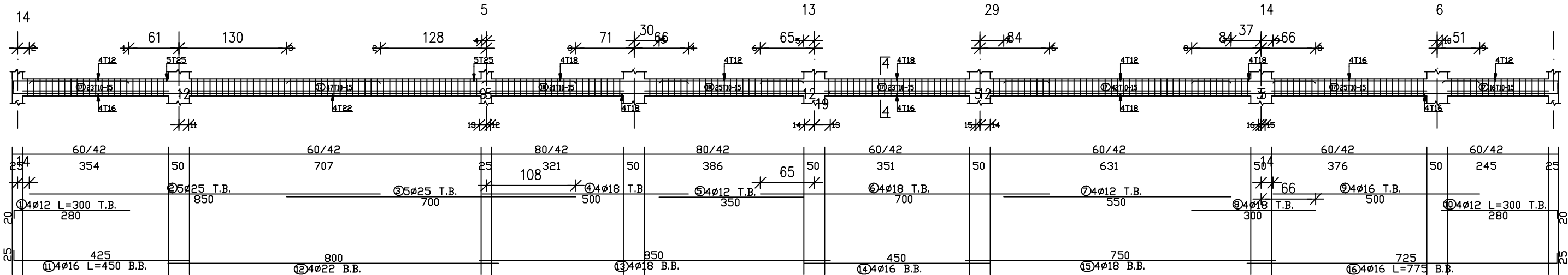
Section 04
Scale 1:20



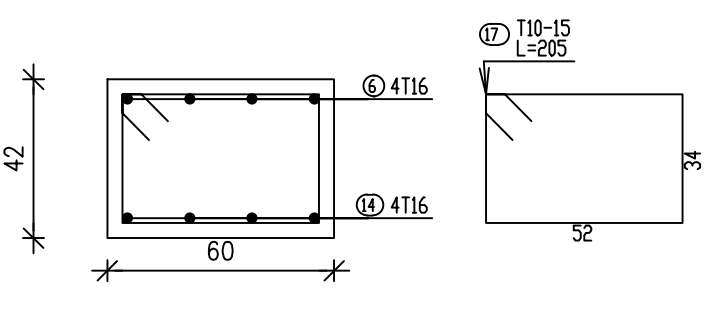
Beam 03 (60/47)



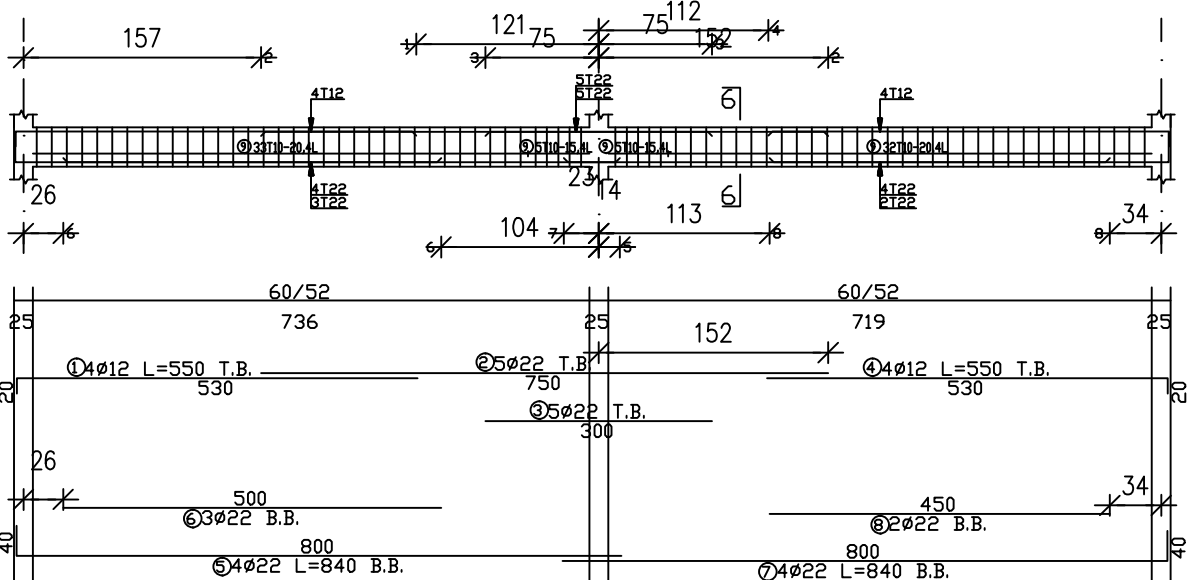
Section 03
Scale 1:20



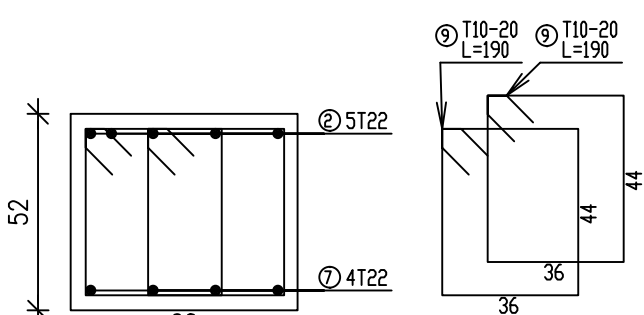
Beam 05 (60/42)



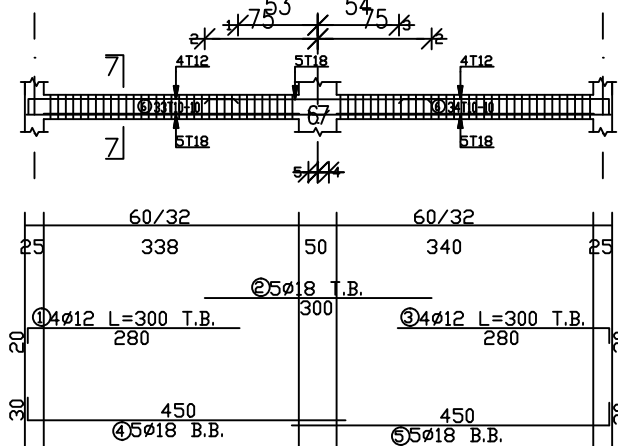
Section 05
Scale 1:20



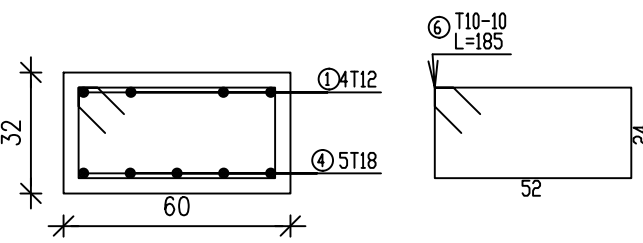
Beam 06 (60/52)



Section 07
Scale 1:20

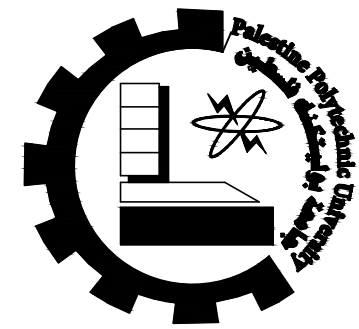
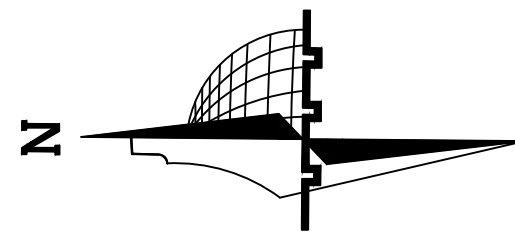


Beam 06 (60/32)



Section 07
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

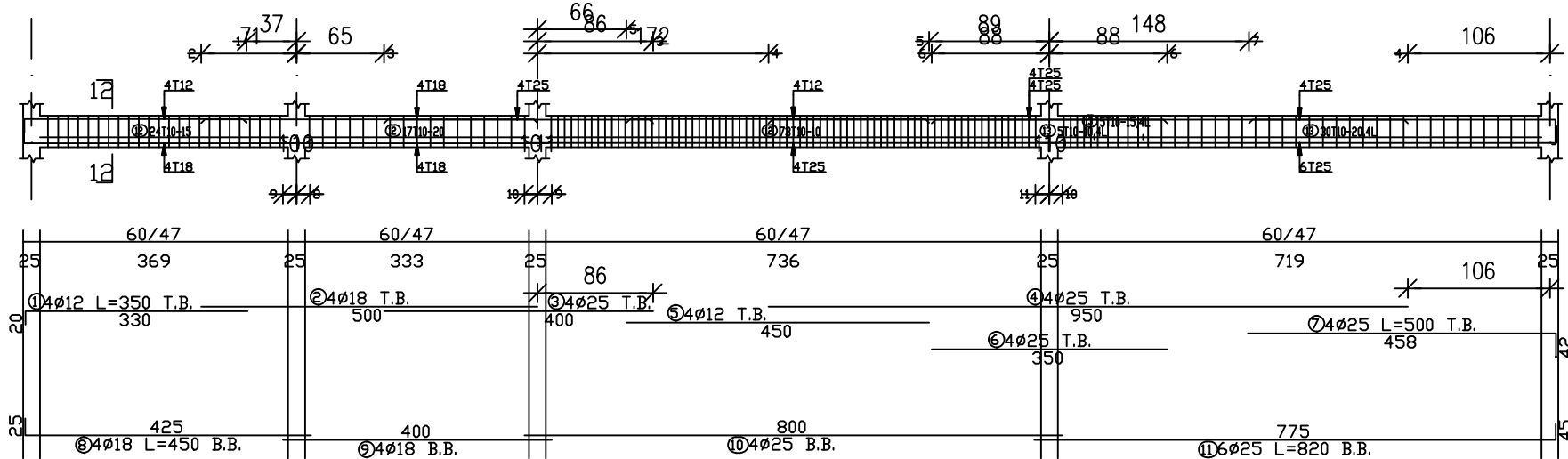
Beams Drawings

Sheet:

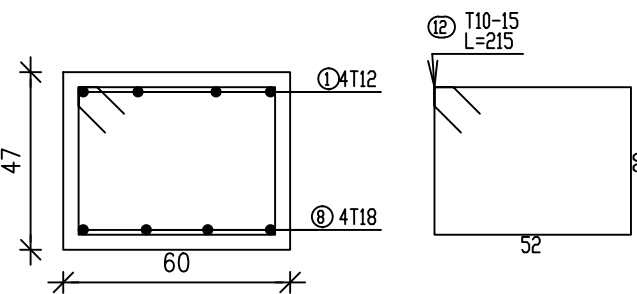
S17

Scale: 1:100

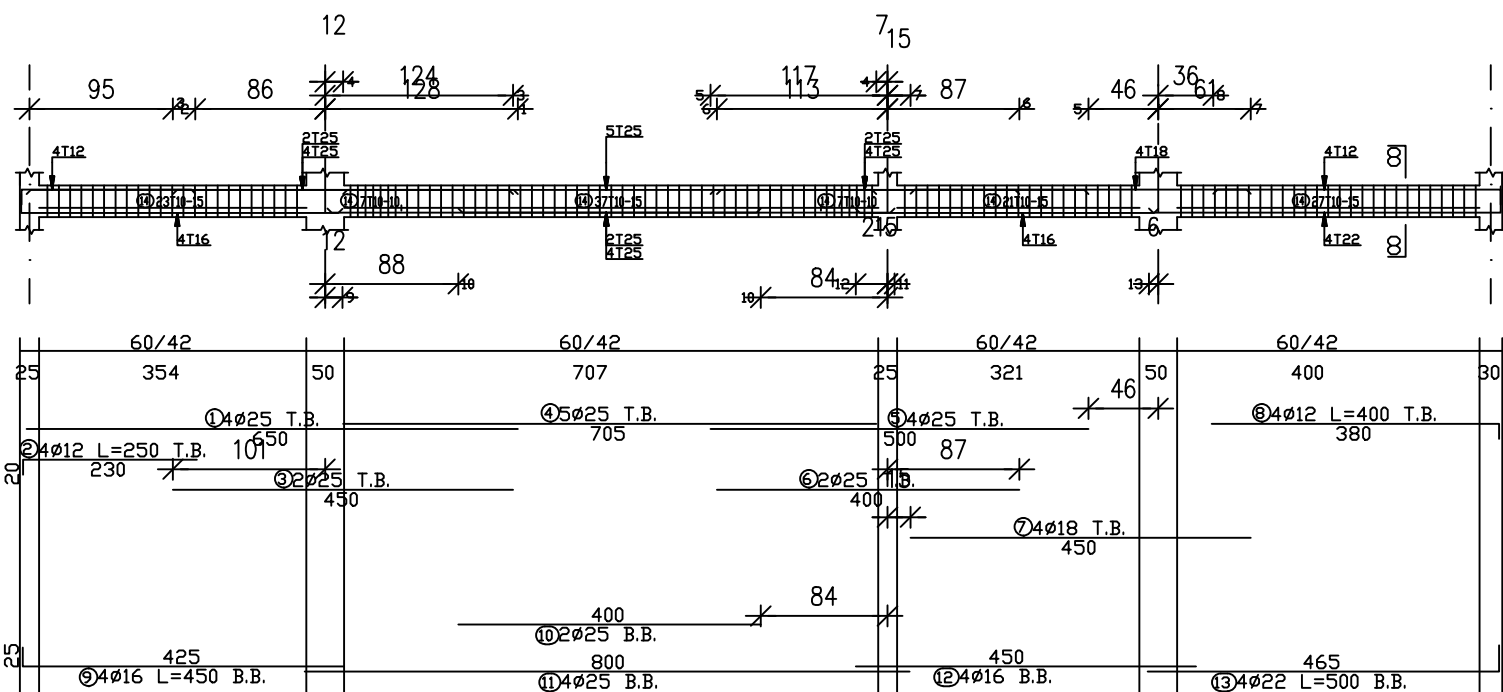
Beam(8,9,10,11,12,13) Ground Floor



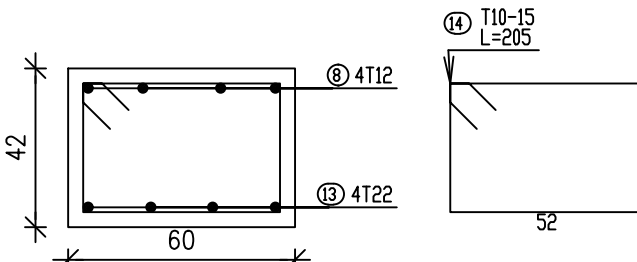
Beam 12 (60/47)



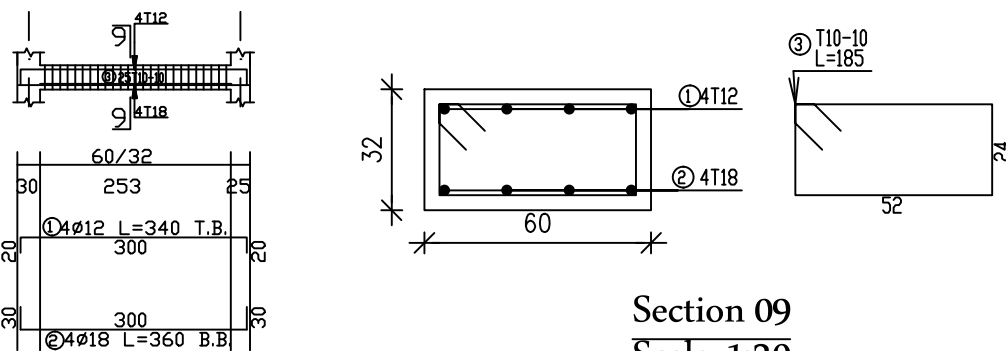
Section 12
Scale 1:20



Beam 08 (60/42)

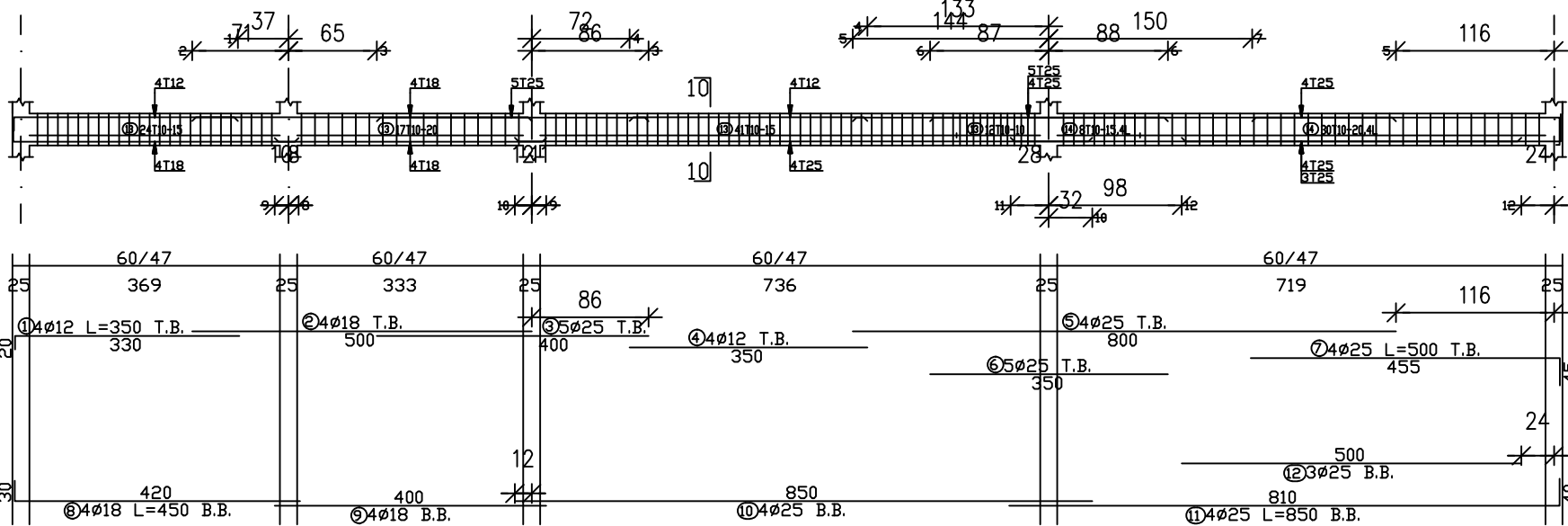


Section 08
Scale 1:20

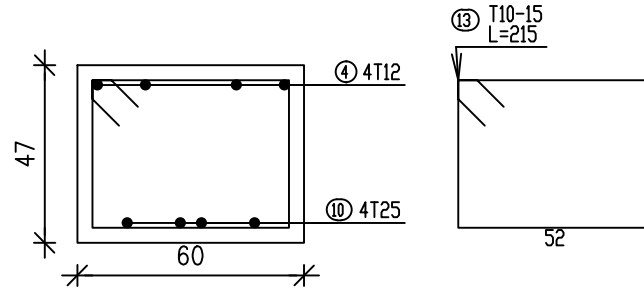


Beam 09 (60/32)

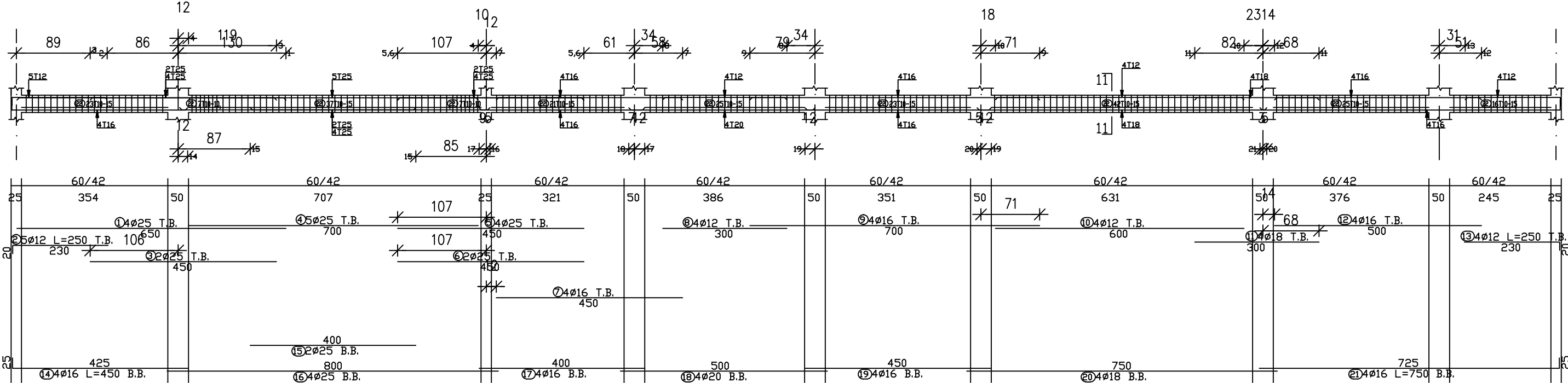
Section 09
Scale 1:20



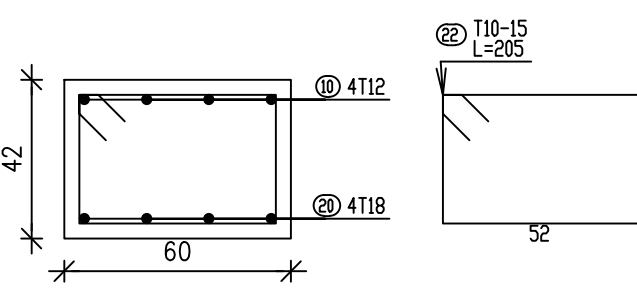
Beam 10 (60/47)



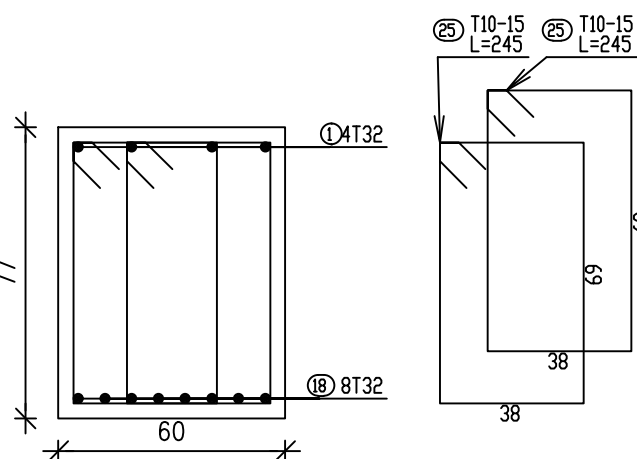
Section 10
Scale 1:20



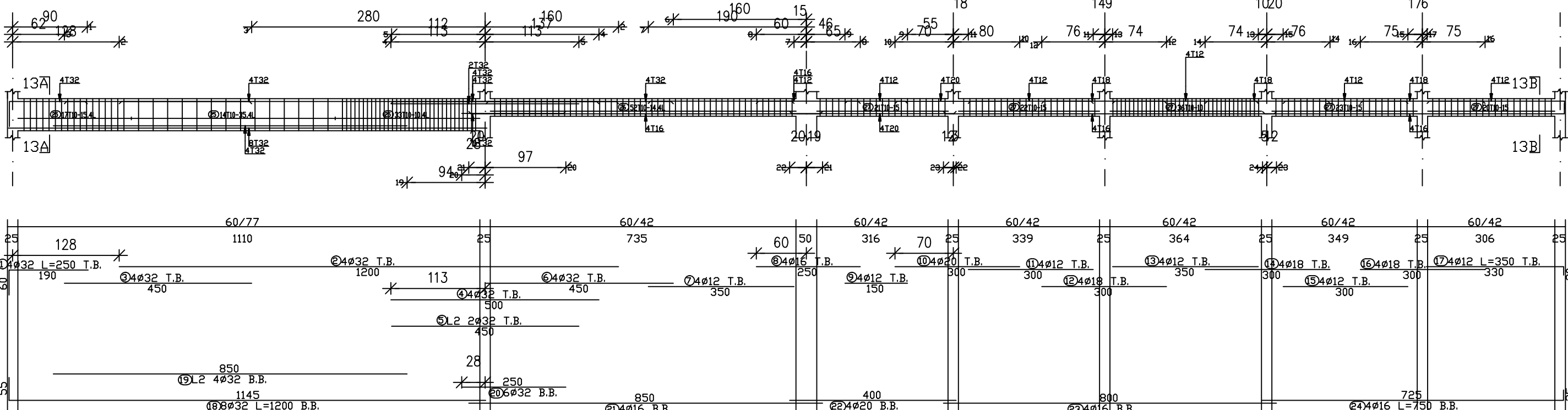
Beam 11 (60/42)



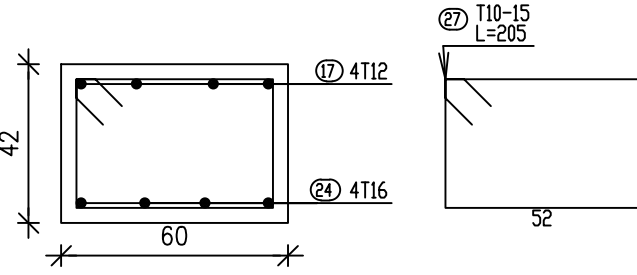
Section 11
Scale 1:20



Section 13A
Scale 1:20

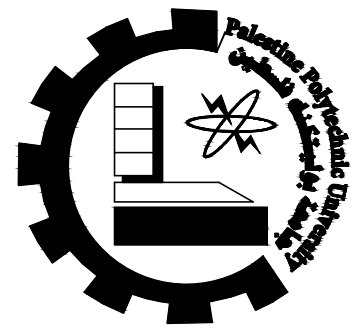
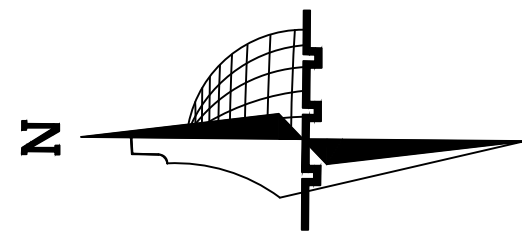


Beam 13 (60/42)



Section 13B
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

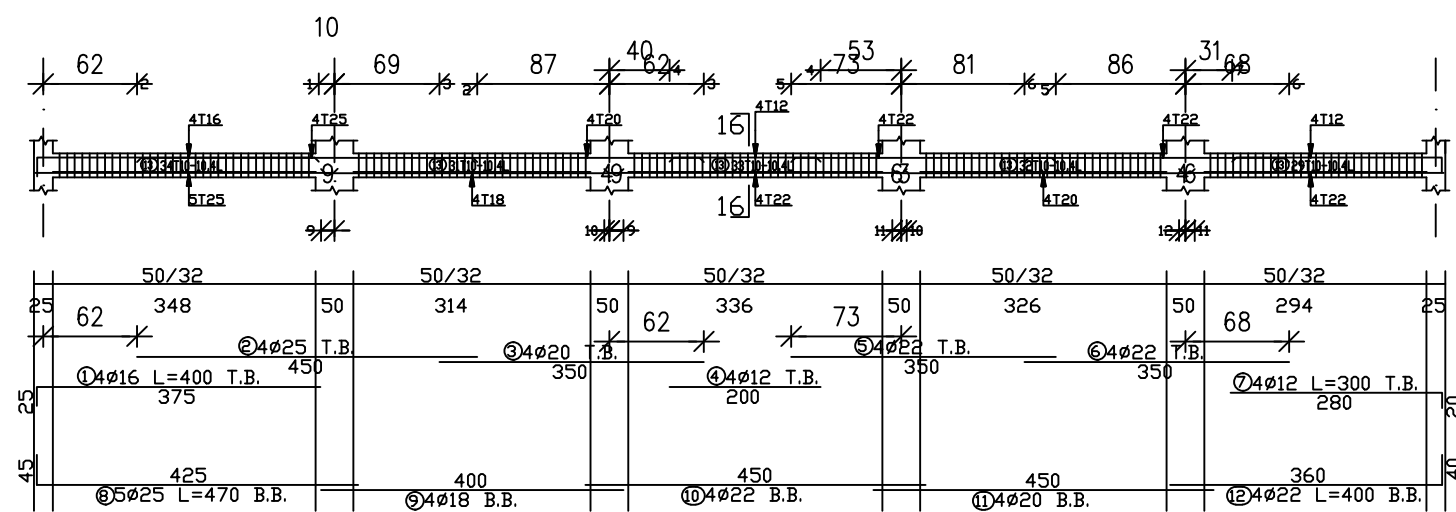
Beams Drawings

Sheet:

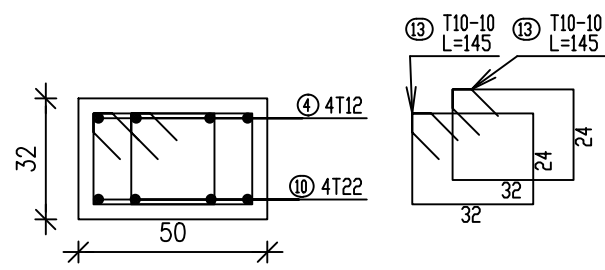
S18

Scale: 1:100

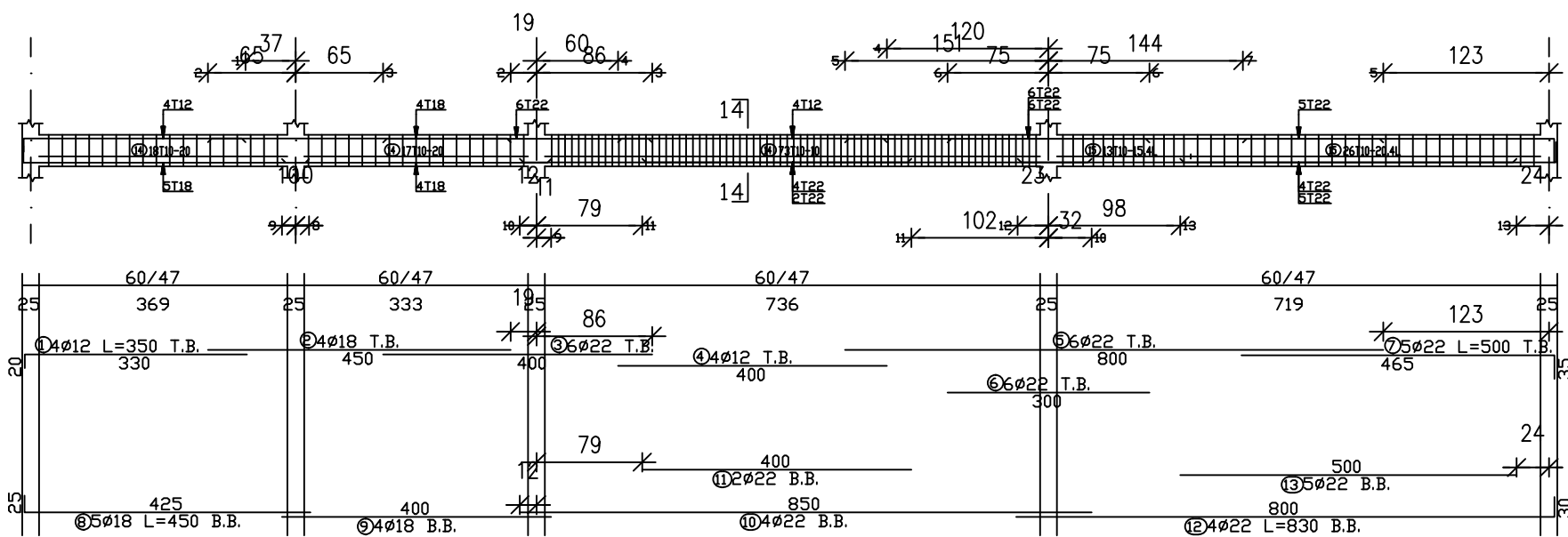
Beam(14 -26) Ground Floor



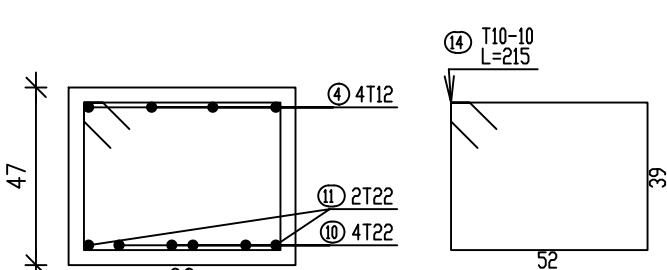
Beam 16 (50/32)



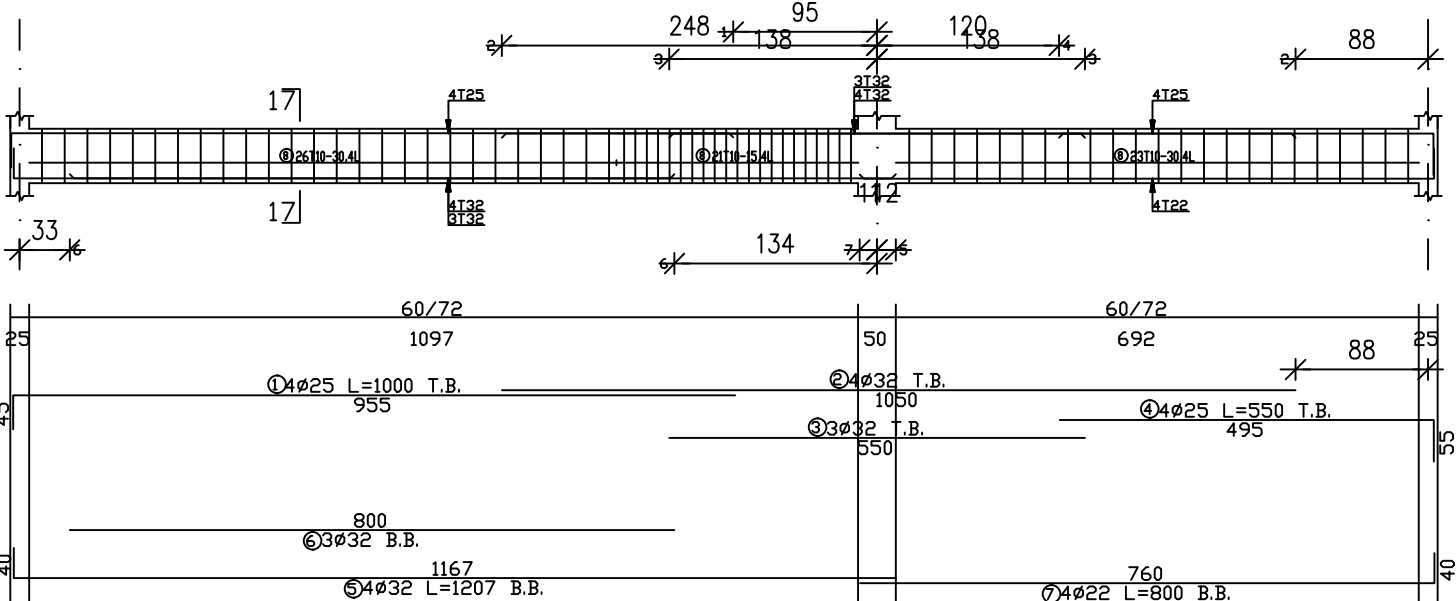
Section 16
Scale 1:20



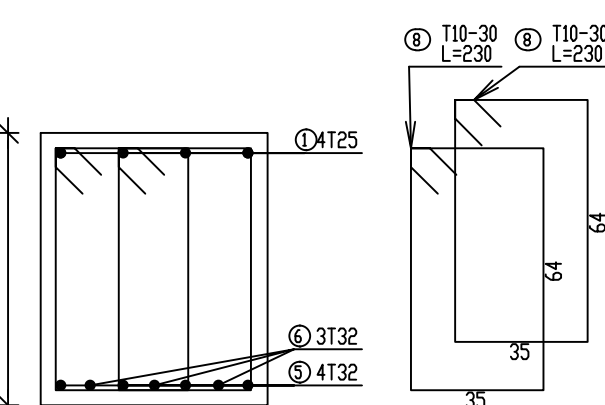
Beam 14 (60/47)



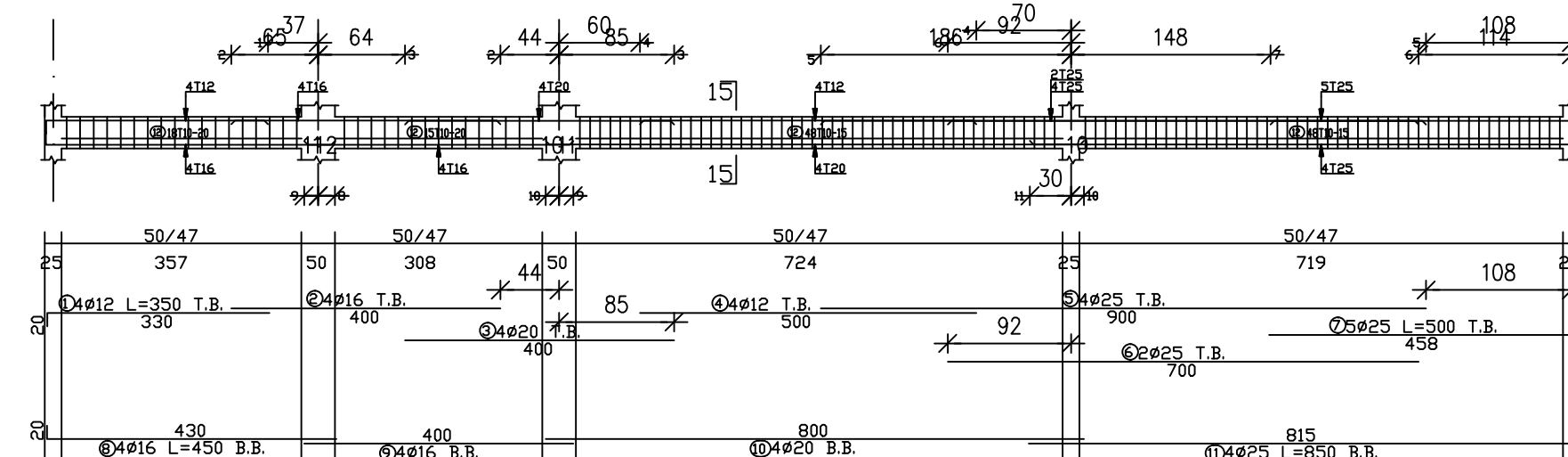
Section 14
Scale 1:20



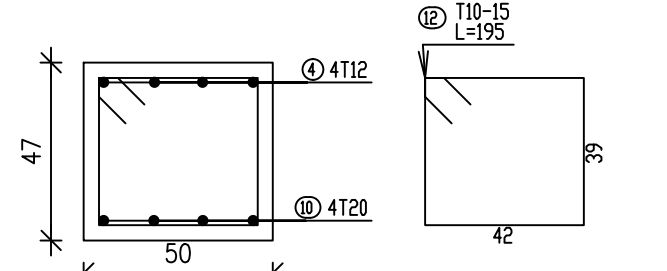
Beam 17 (60/72)



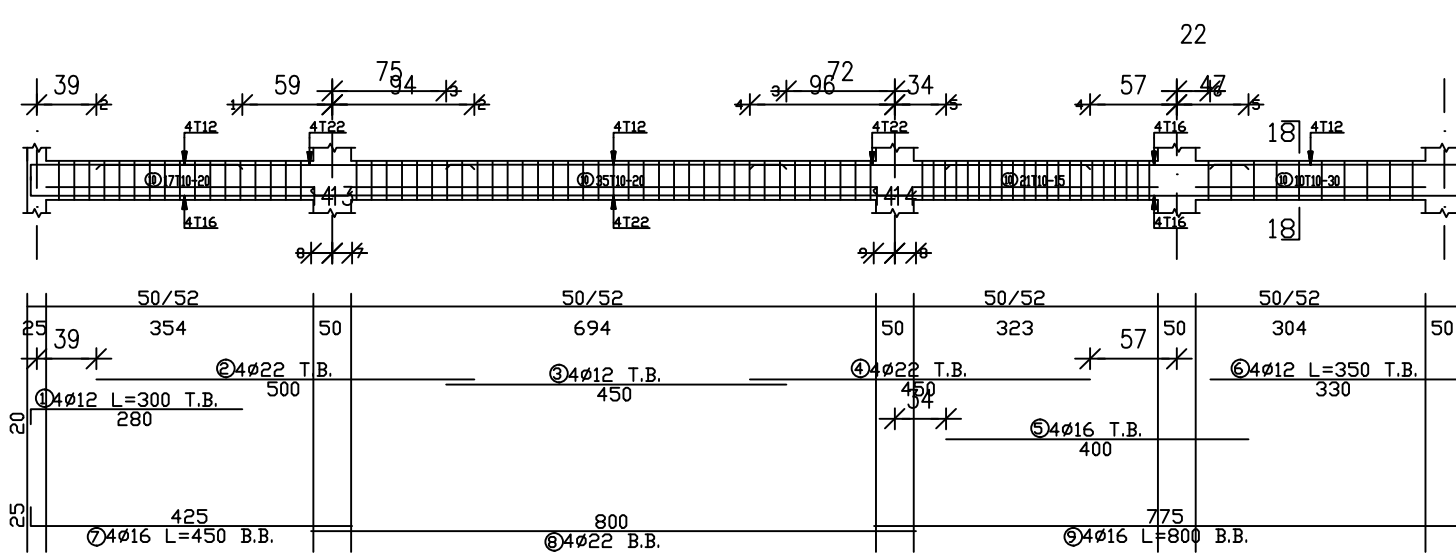
Section 17
Scale 1:20



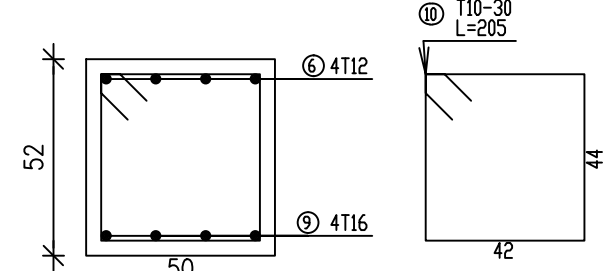
Beam 15 (60/47)



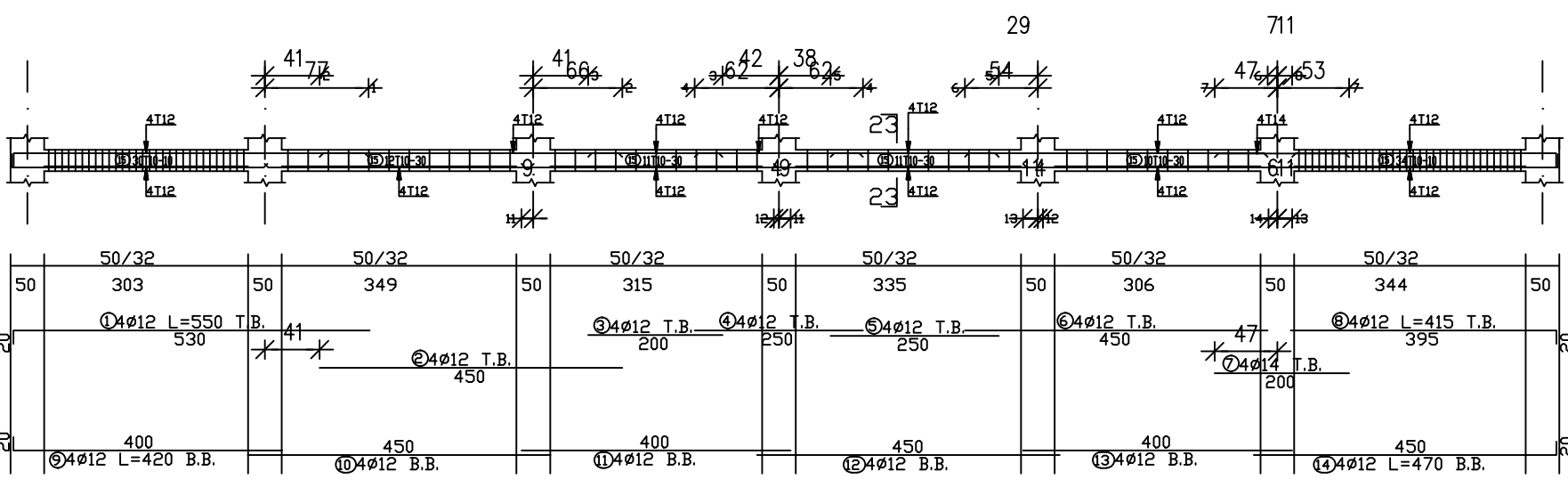
Section 15
Scale 1:20



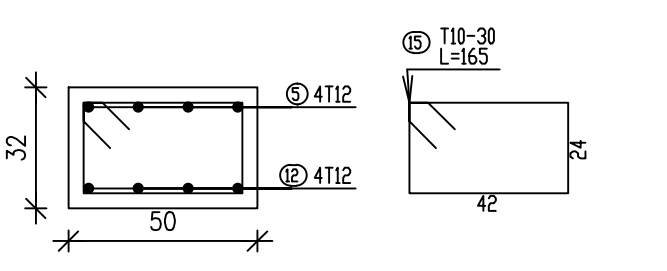
Beam 18 (50/52)



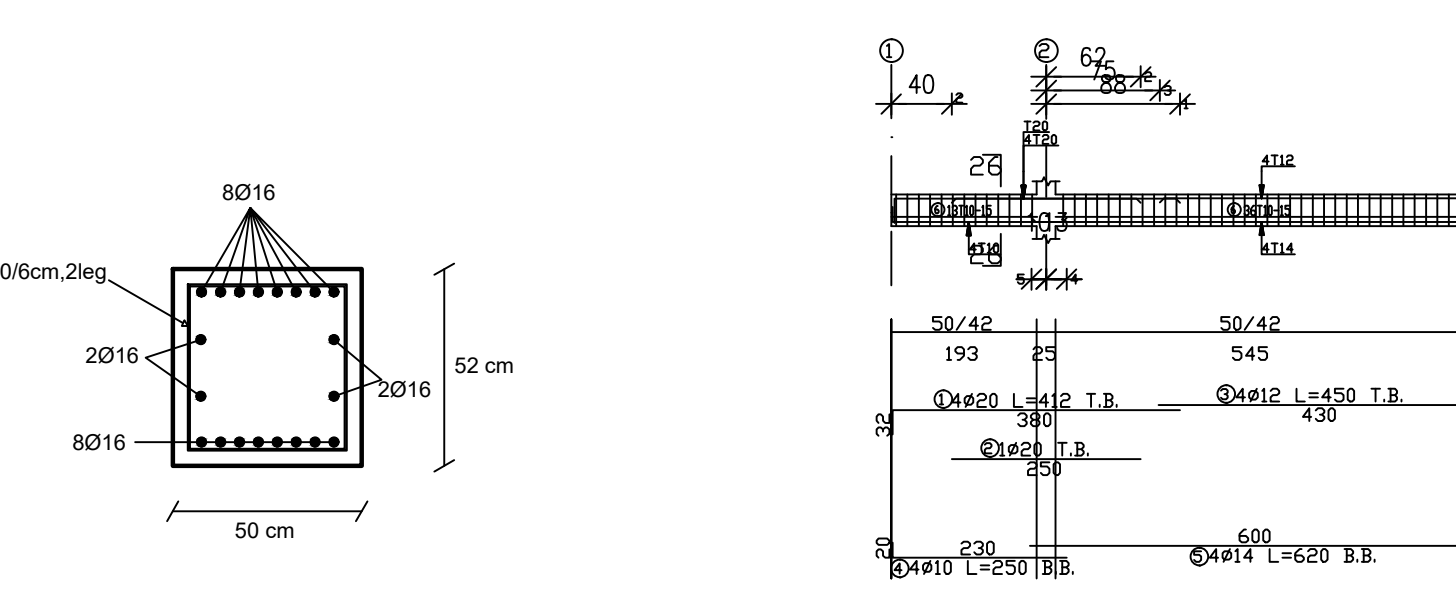
Section 18
Scale 1:20



Beam 23 (50/32)

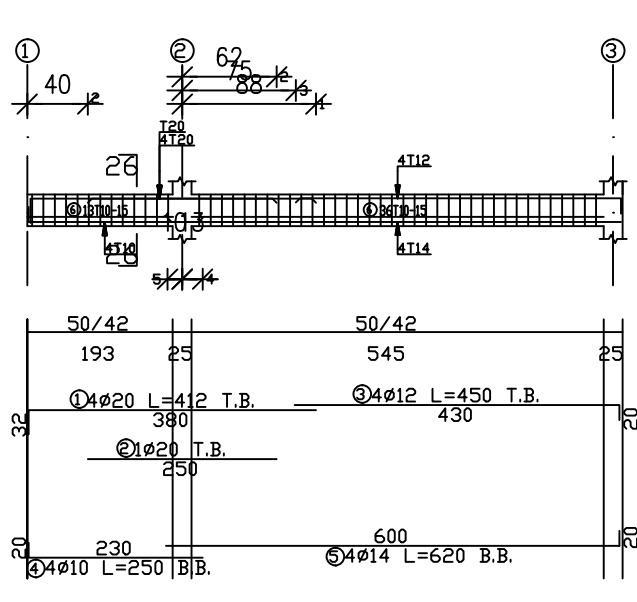


Section 23
Scale 1:20

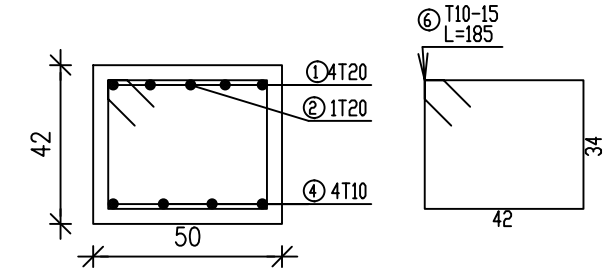


Beam 19,20,21,22

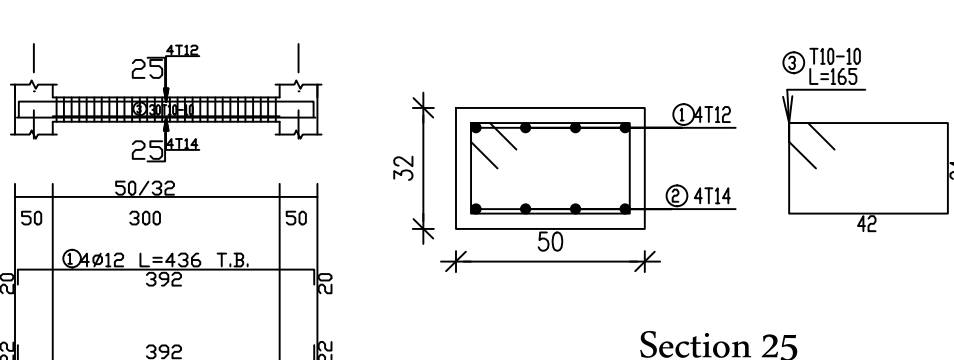
Scale 1:20



Beam 26 (50/42)

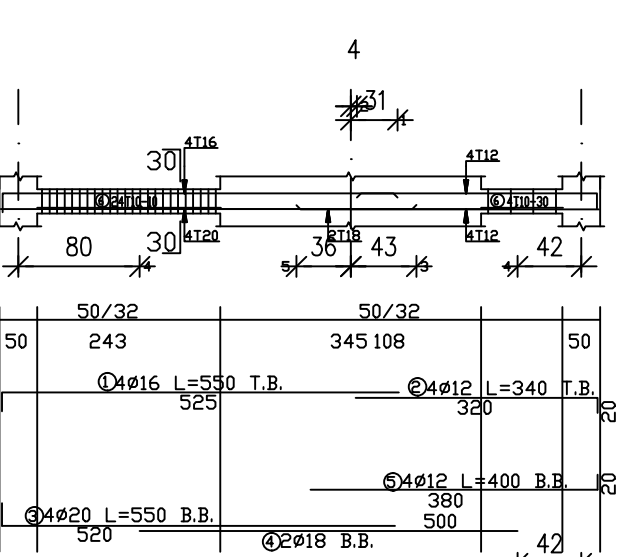


Section 26
Scale 1:20

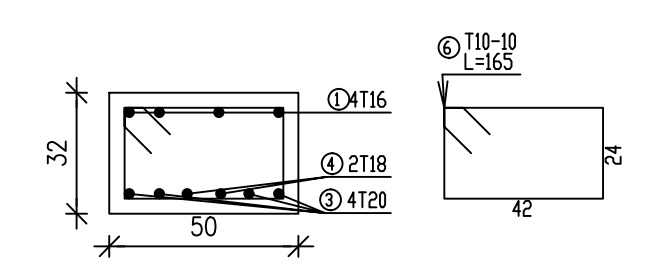


Beam 25 (50/32)

Section 25
Scale 1:20

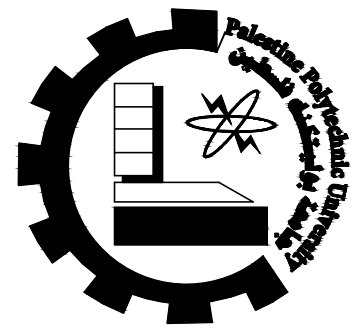
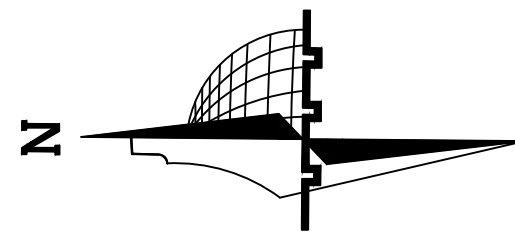


Beam 24 (50/32)



Section 24
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

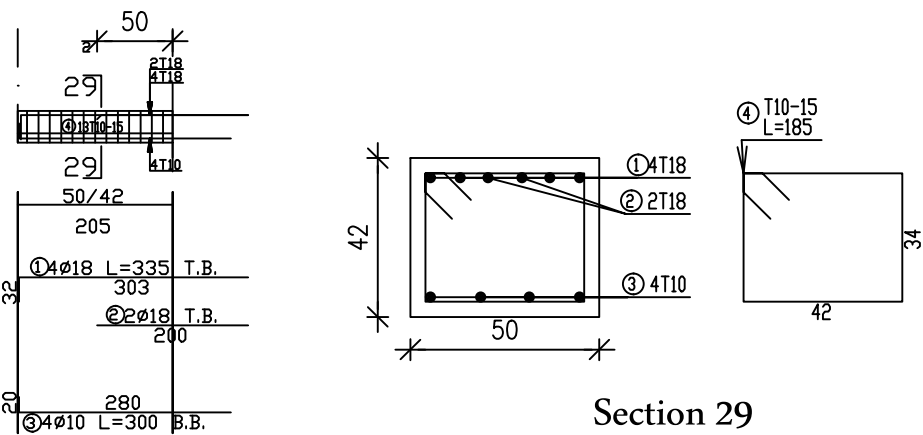
Beams Drawings

Sheet:

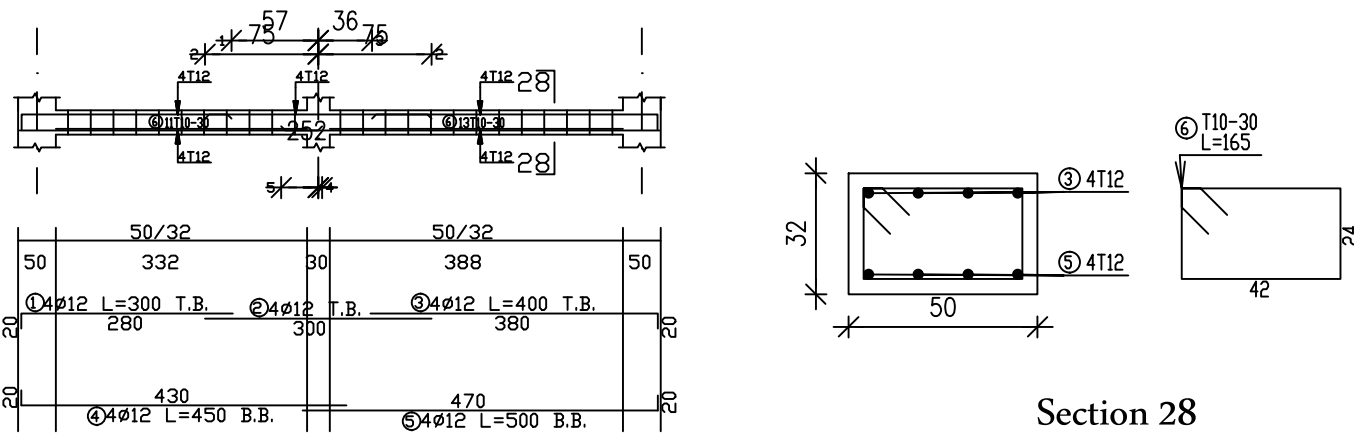
S19

Scale: 1:100

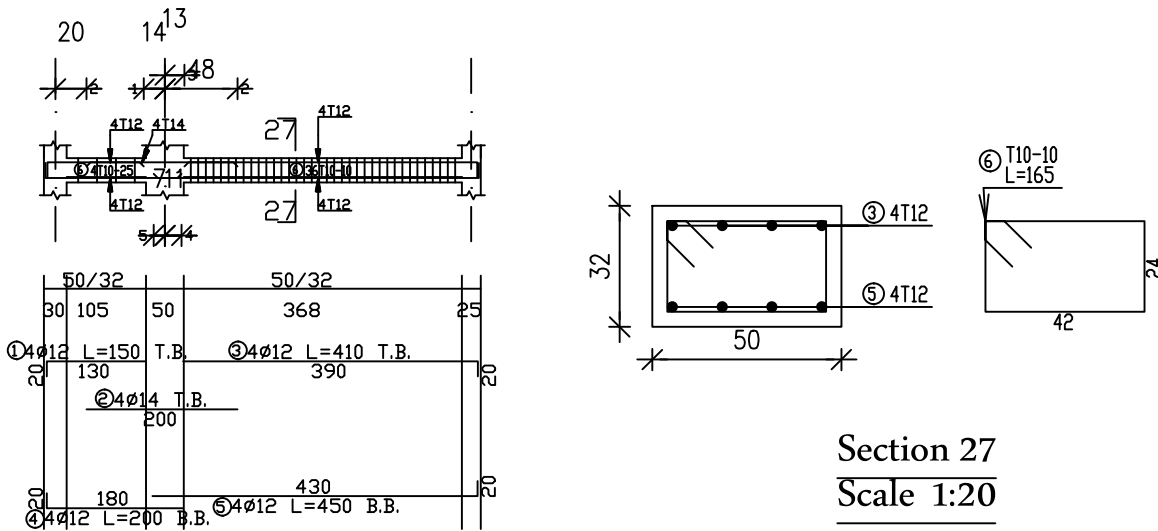
Beam(27 -35) Ground Floor



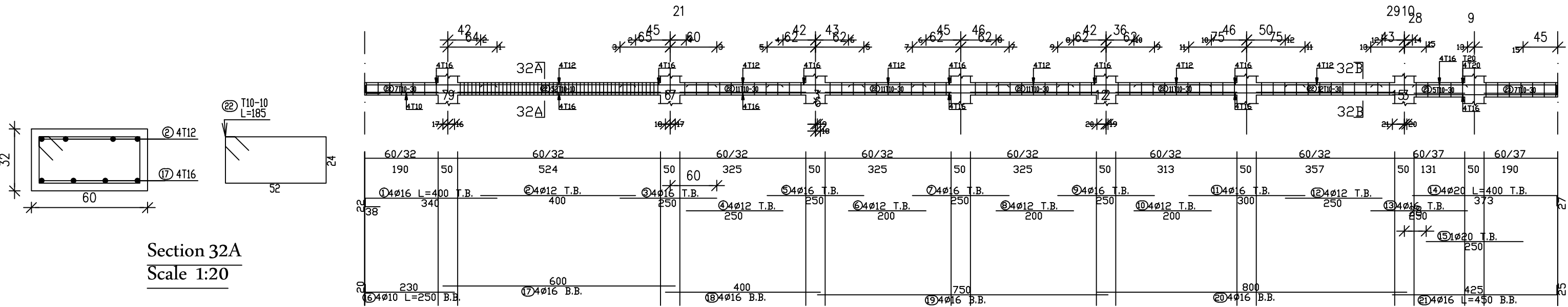
Beam 29 (50/42)



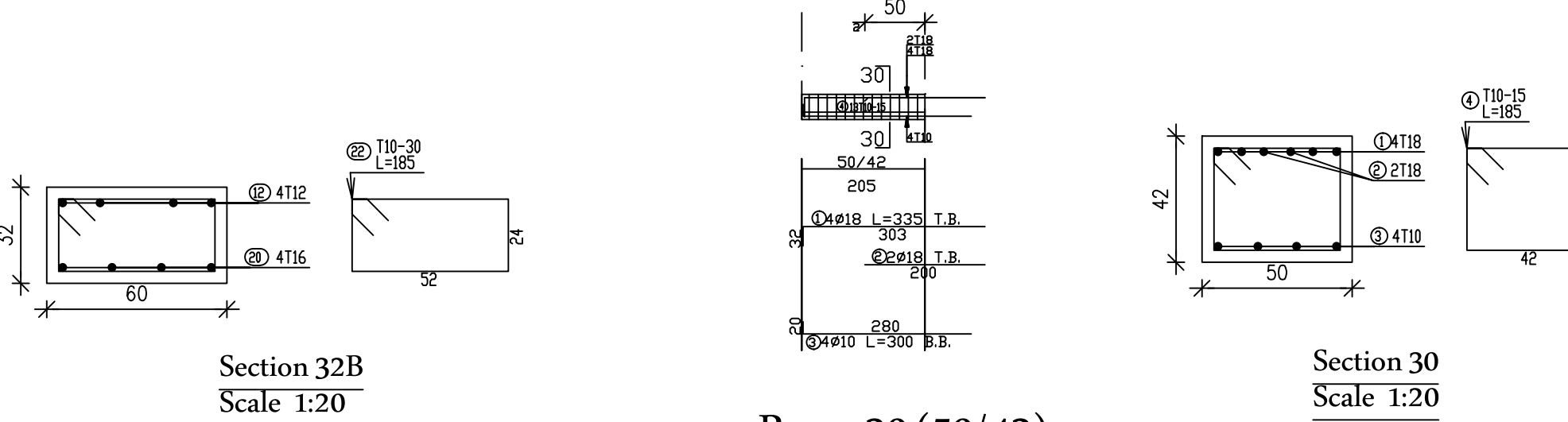
Beam 28 (50/32)



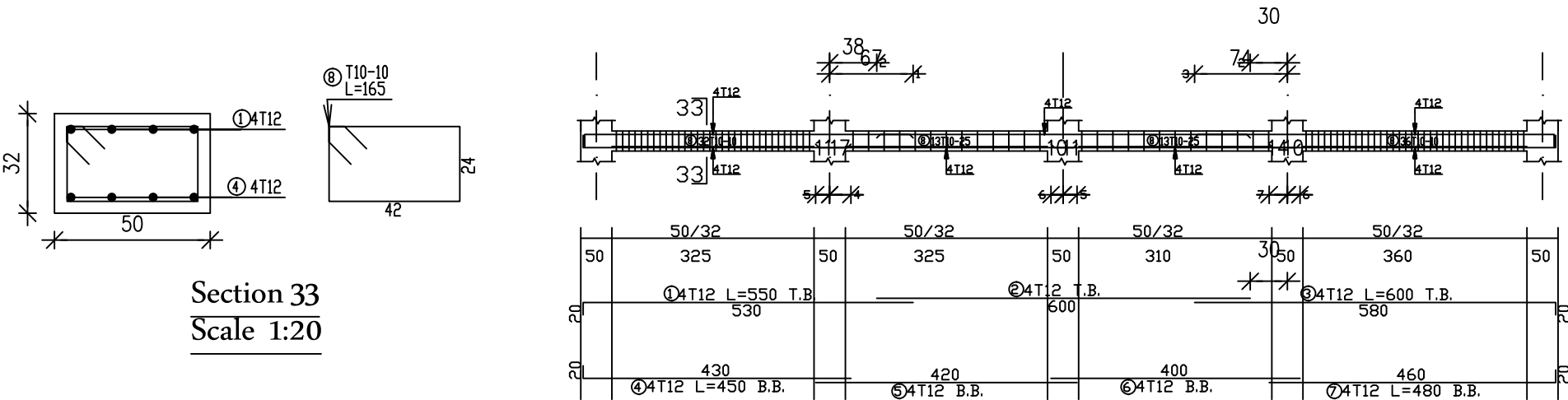
Beam 27 (50/32)



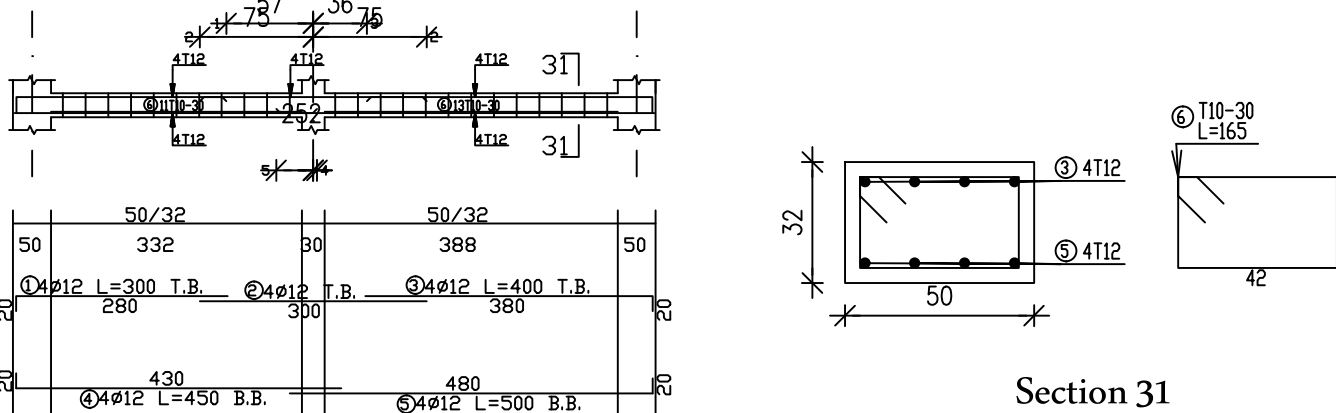
Beam 32 (60/32)



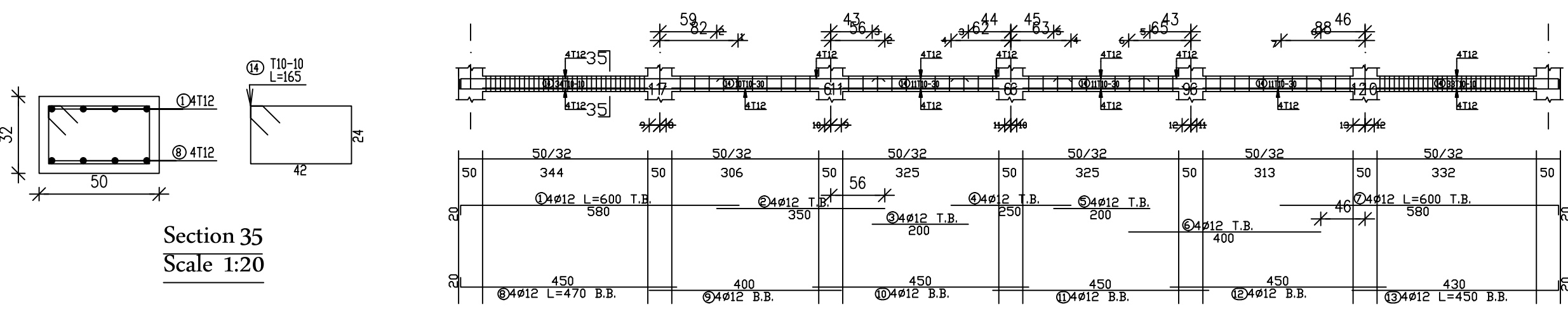
Beam 30 (50/42)



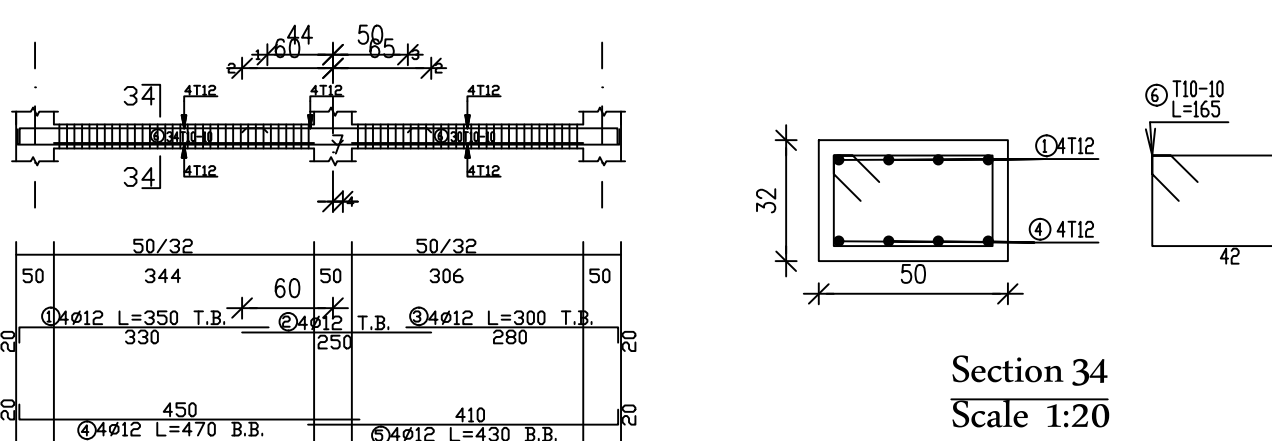
Beam 33 (50/32)



Beam 31 (50/32)

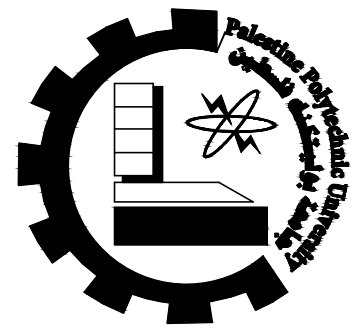
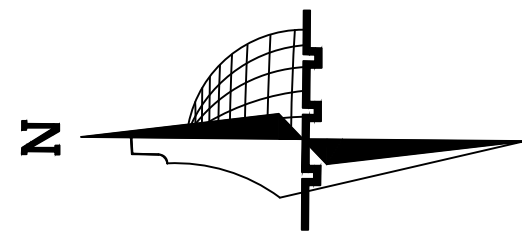


Beam 35 (50/32)



Beam 34 (50/32)

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

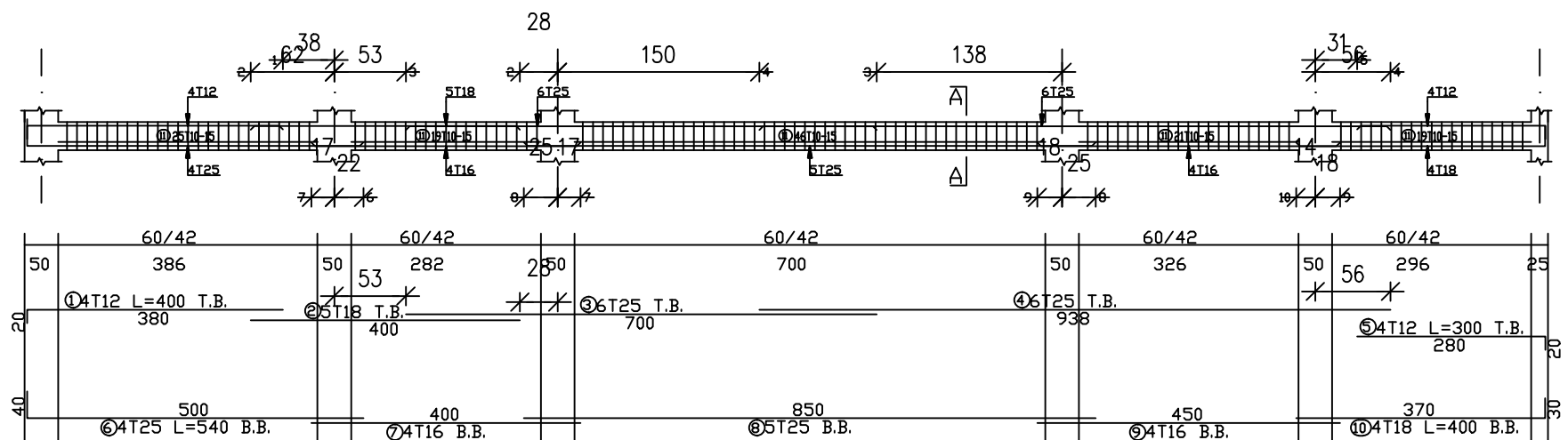
Beams Drawings

Sheet:

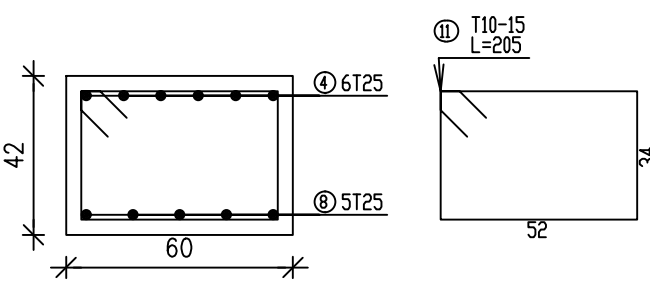
S20

Scale: 1:100

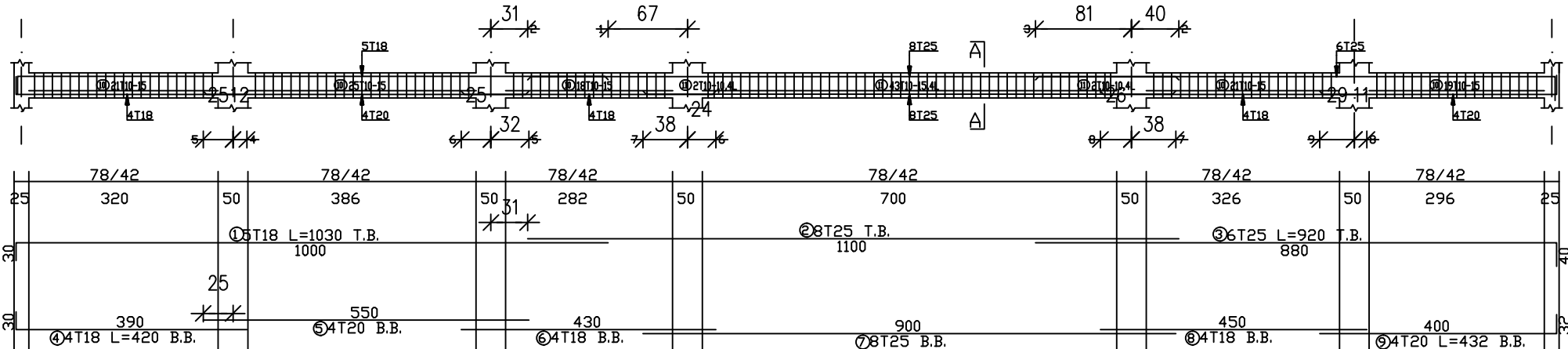
Beam(1-9) 1st&2nd&3rd Floor



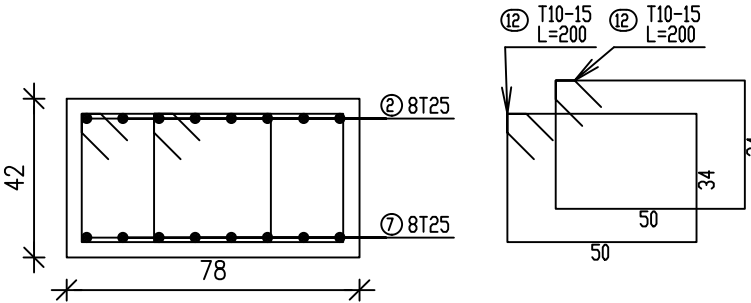
Beam 01 (60/42)



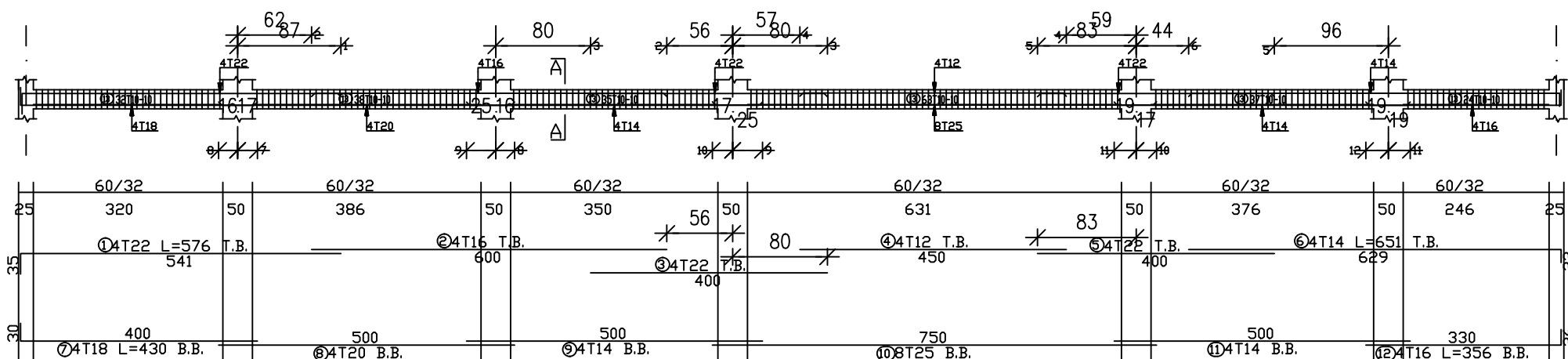
Section 01
Scale 1:20



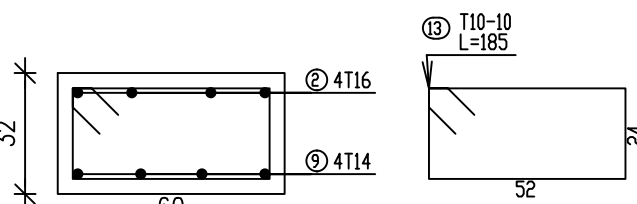
Beam 02 (80/42)



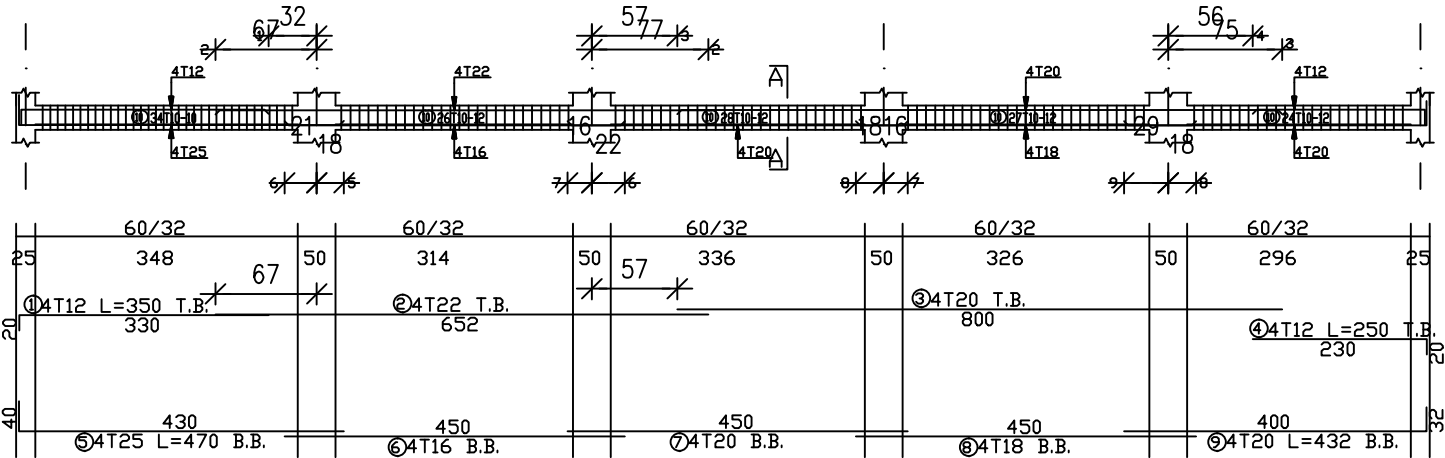
Section 02
Scale 1:20



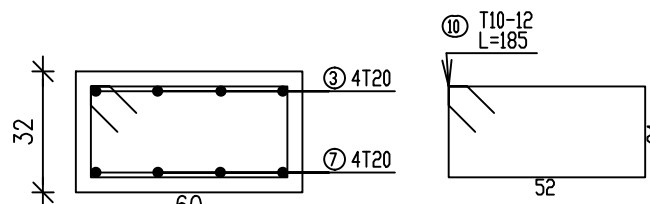
Beam 03&04 (60/32)



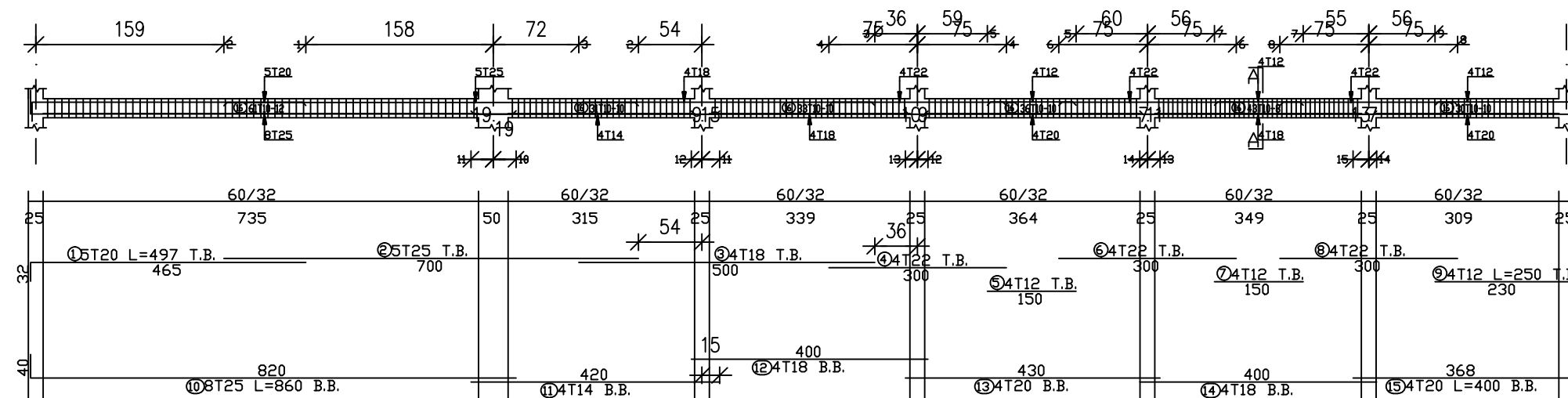
Section 03
Scale 1:20



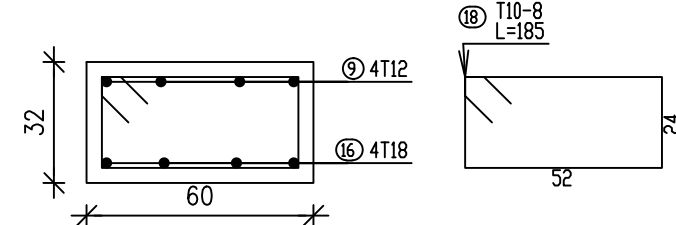
Beam 08 (60/32)



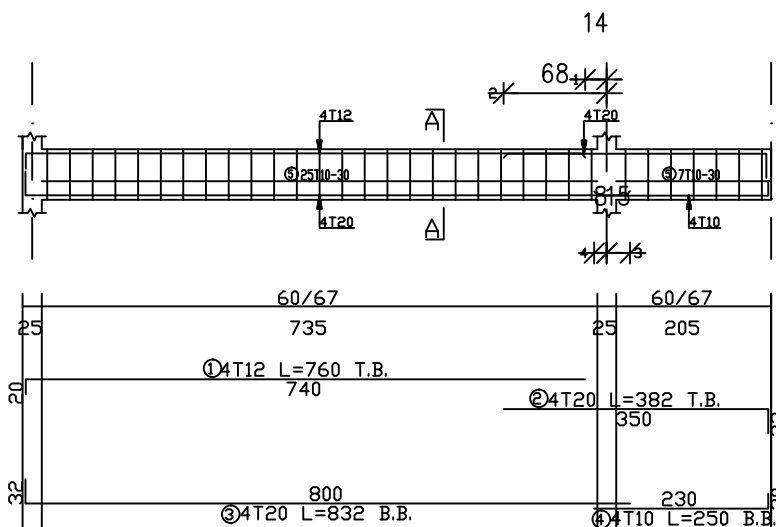
Section 08
Scale 1:20



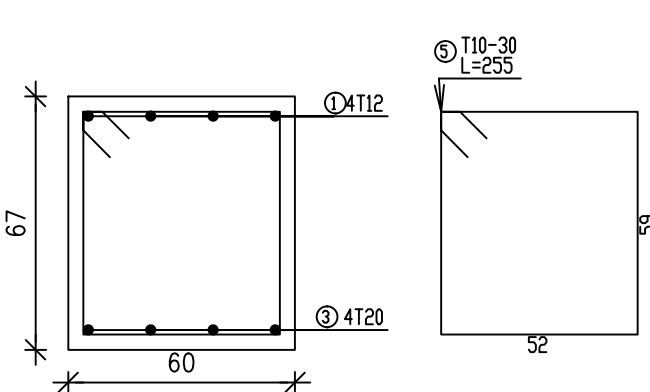
Beam 07 (60/32)



Section 07
Scale 1:20

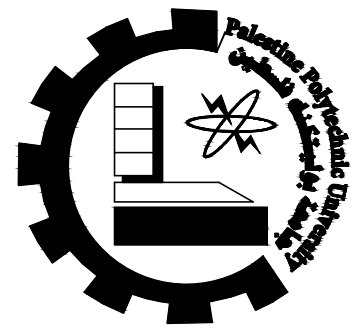
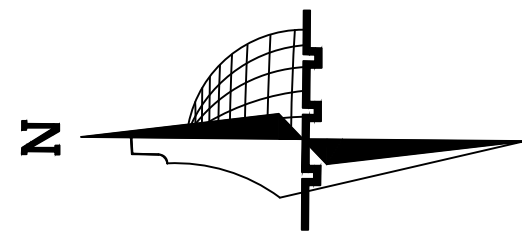


Beam 09 (60/67)



Section 09
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
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(Al-Manar Hotel)

Sheet Title:

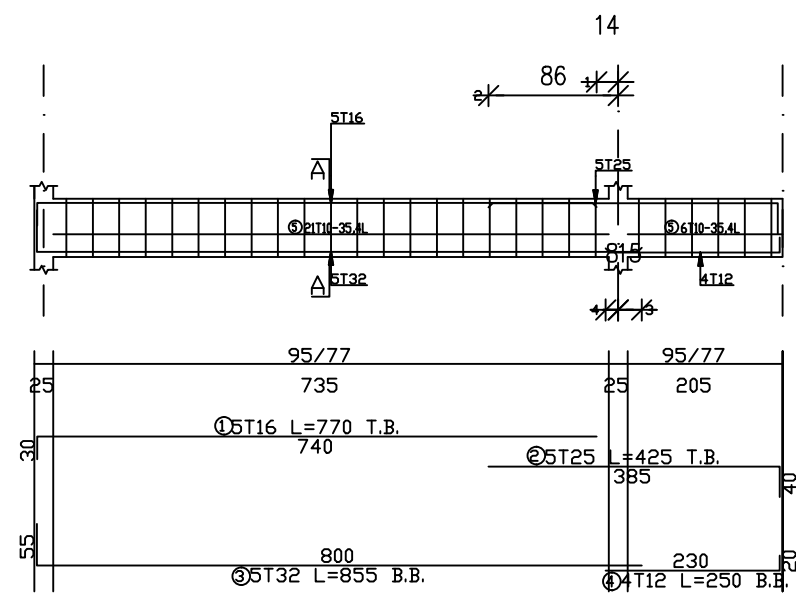
Beams Drawings

Sheet:

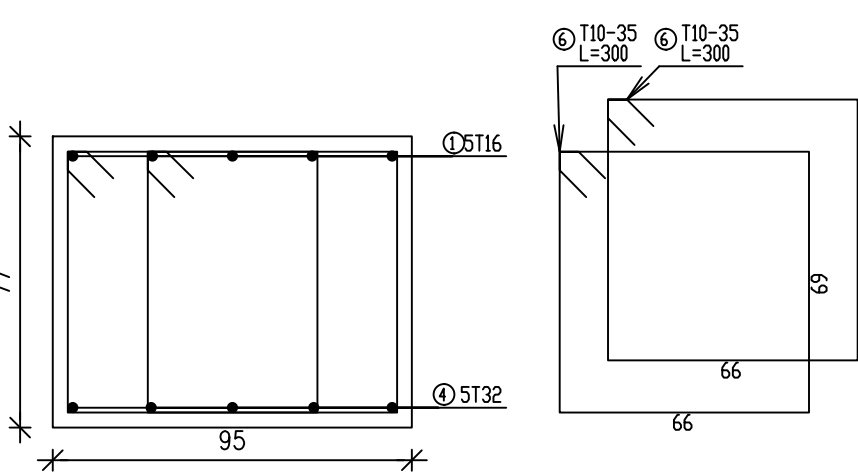
S21

Scale: 1:100

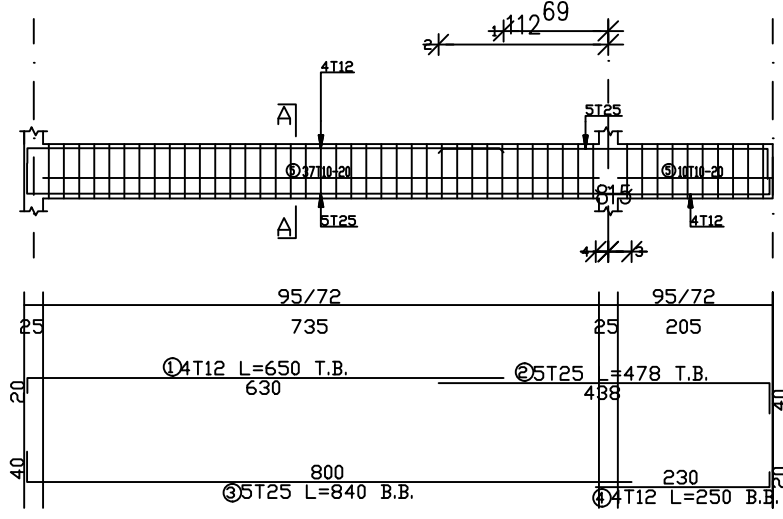
Beam(10-18) 1st&2nd&3rd Floor



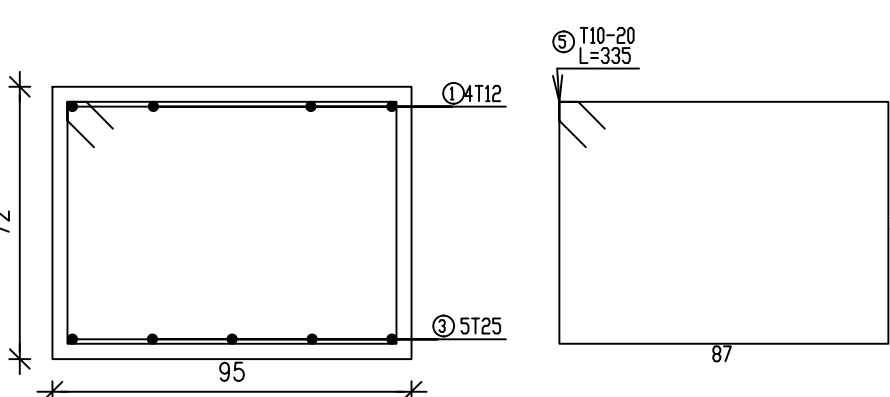
Beam 10 (95/77)



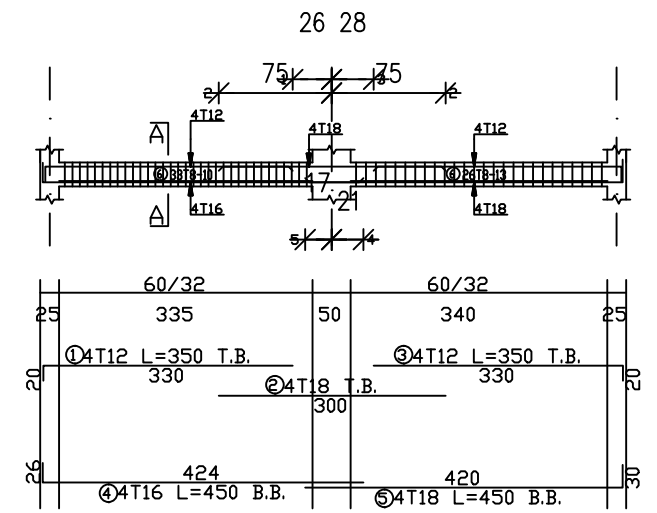
Section 10
Scale 1:20



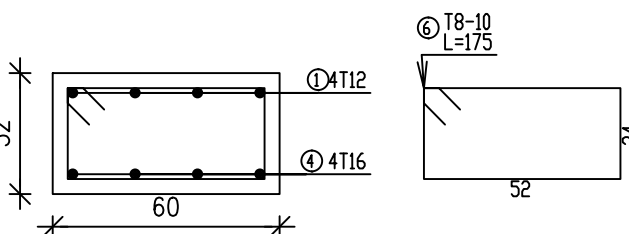
Beam 11 (95/72)



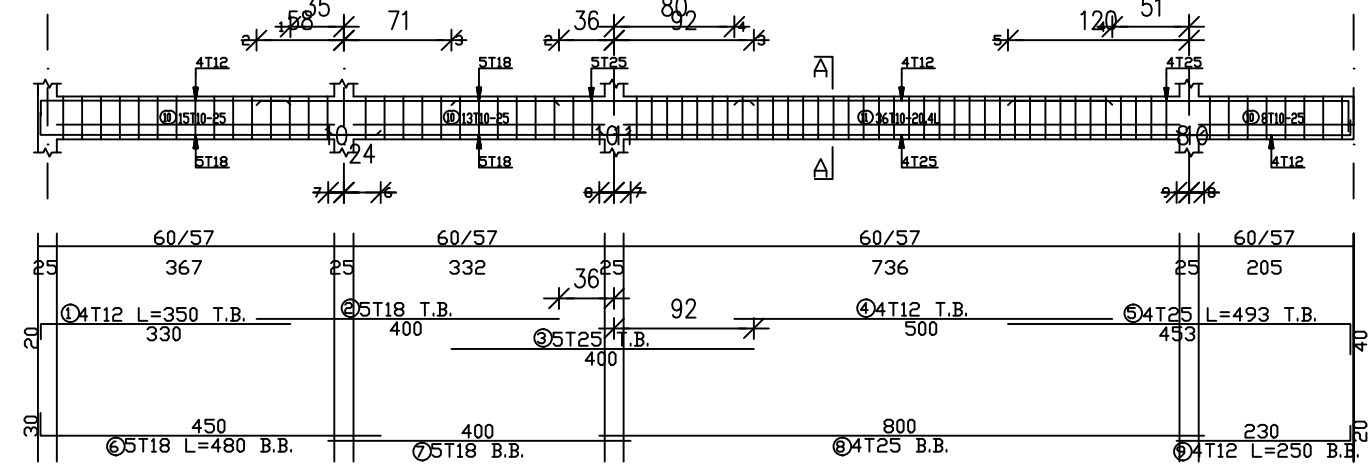
Section 11
Scale 1:20



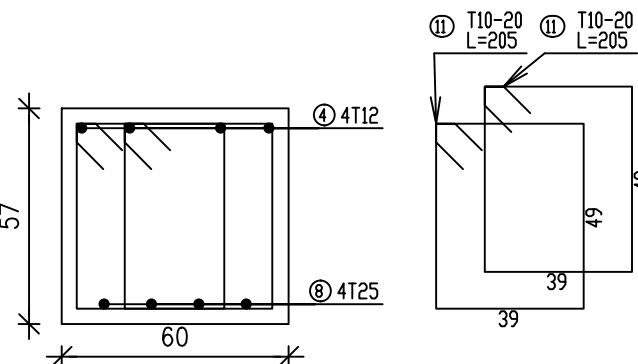
Beam 13 (60/32)



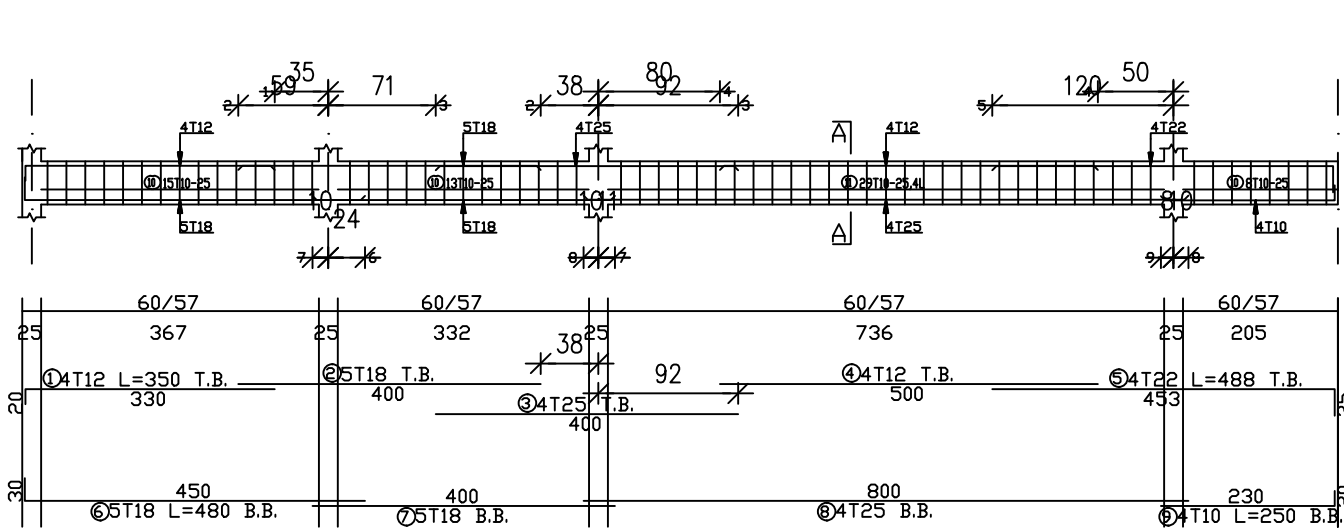
Section 13
Scale 1:20



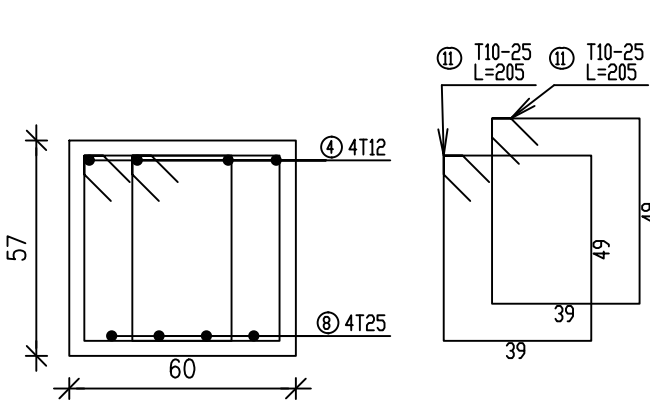
Beam 14 (60/57)



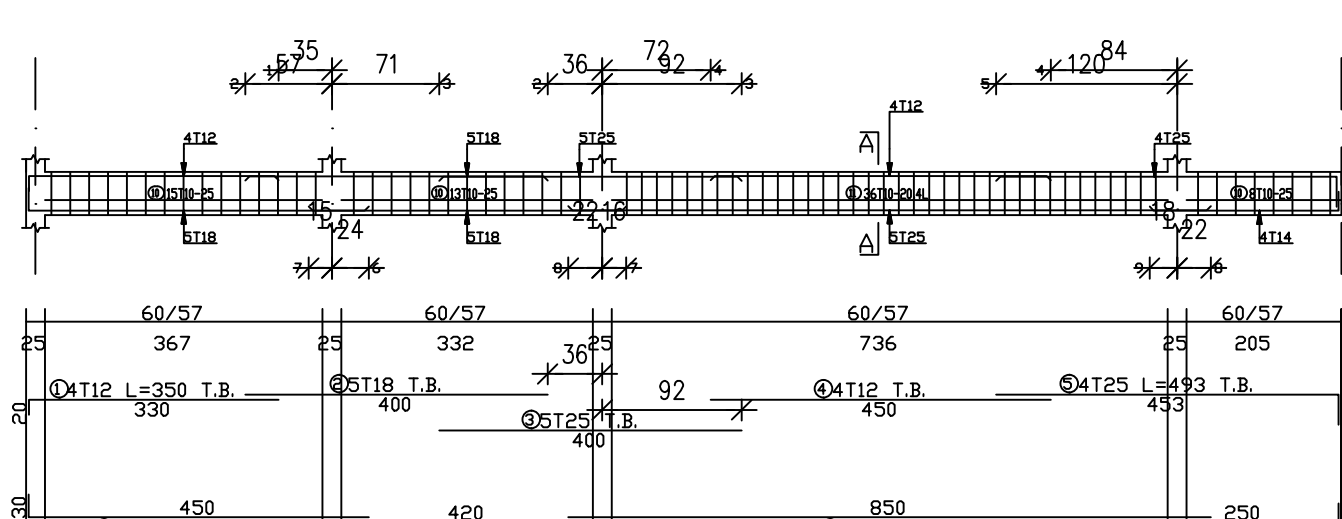
Section 14
Scale 1:20



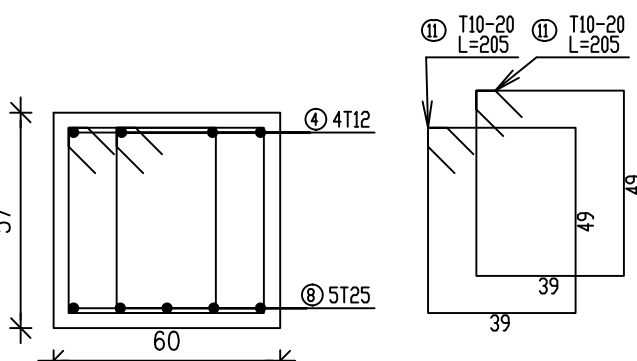
Beam 15 (60/57)



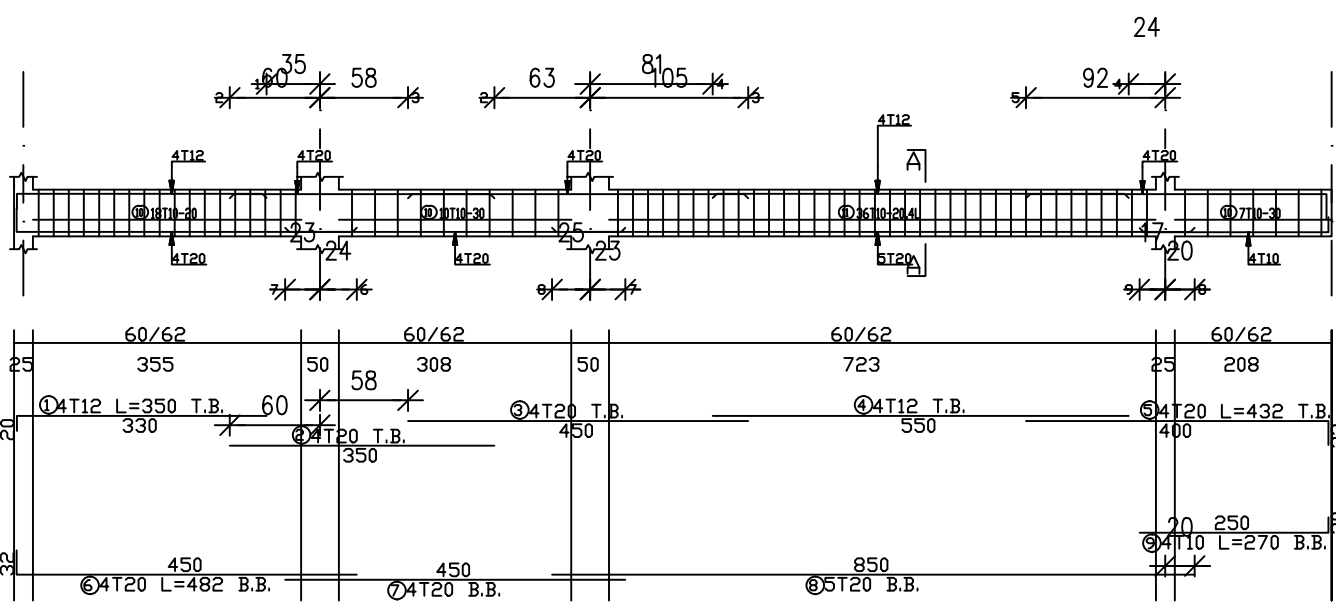
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Scale 1:20



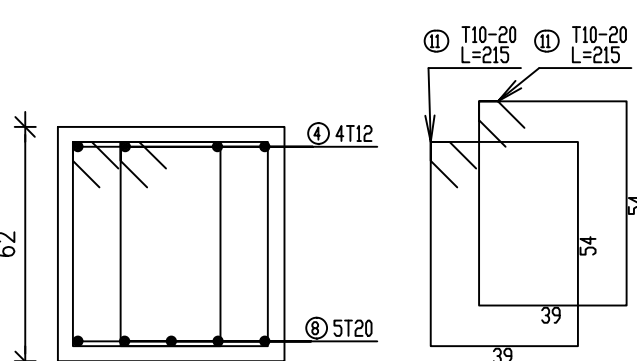
Beam 16 (60/57)



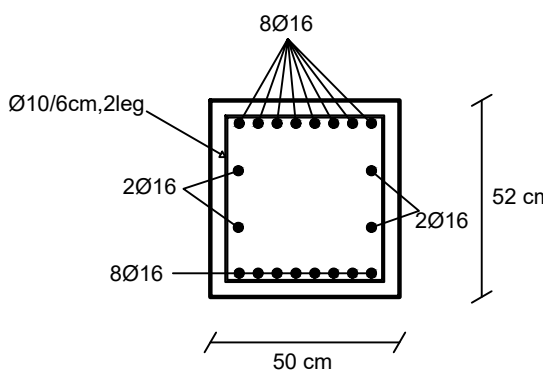
Section 16
Scale 1:20



Beam 17 (60/62)



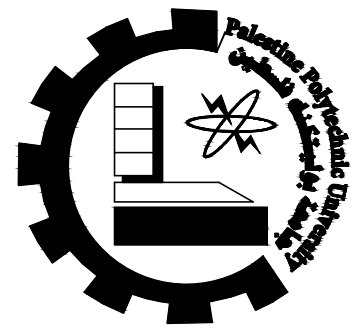
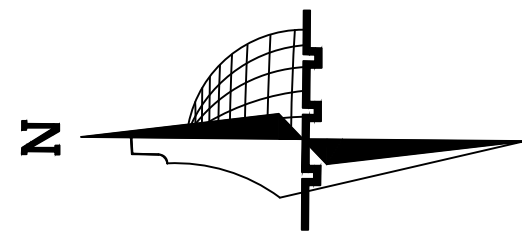
Section 17
Scale 1:20



Beam 12,18

Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

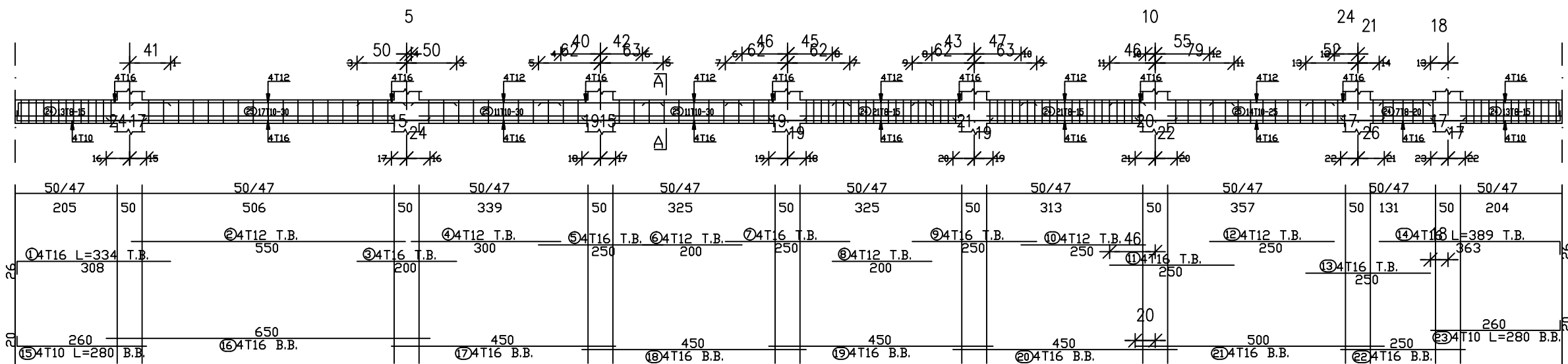
Beams Drawings

Sheet:

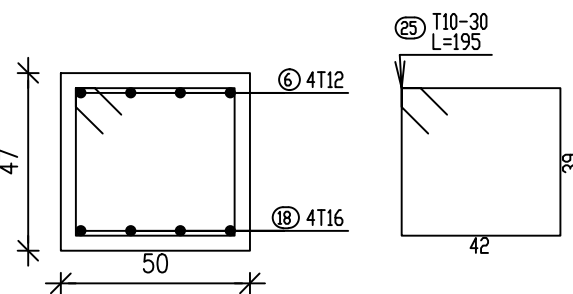
S22

Scale: 1:100

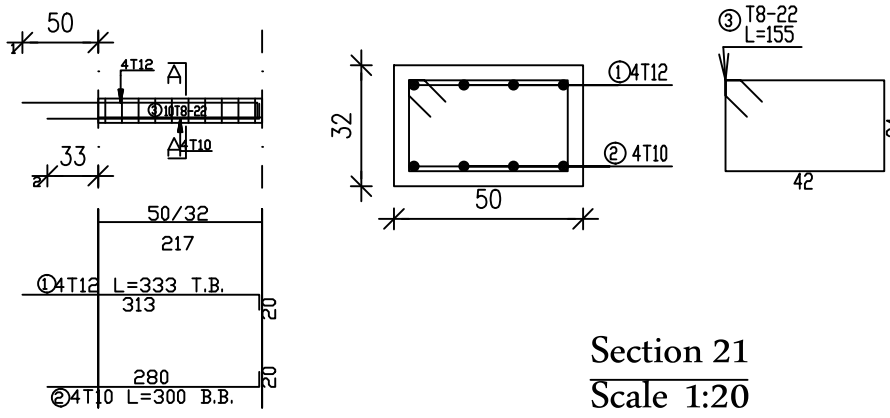
Beam(19-30) 1st&2nd&3rd Floor



Beam 20 (50/47)

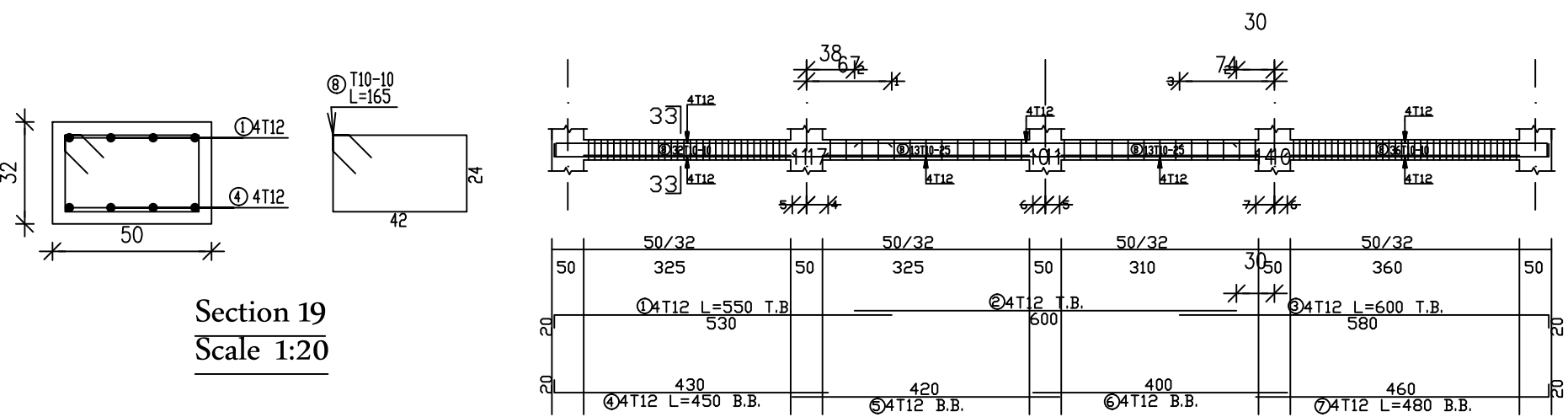


Section 20
Scale 1:20



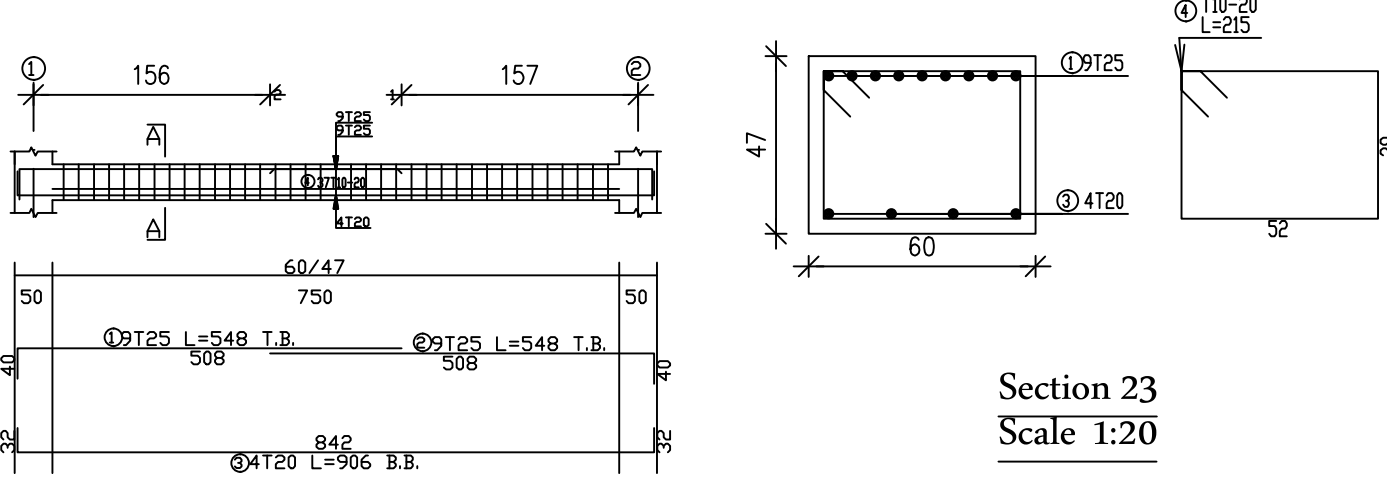
Section 21
Scale 1:20

Beam 21 (50/32)



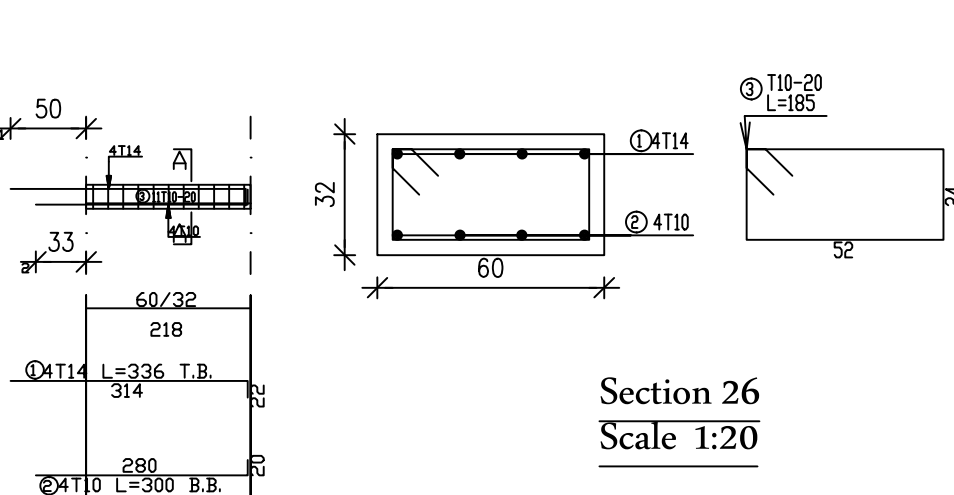
Section 19
Scale 1:20

Beam 19 (50/32)



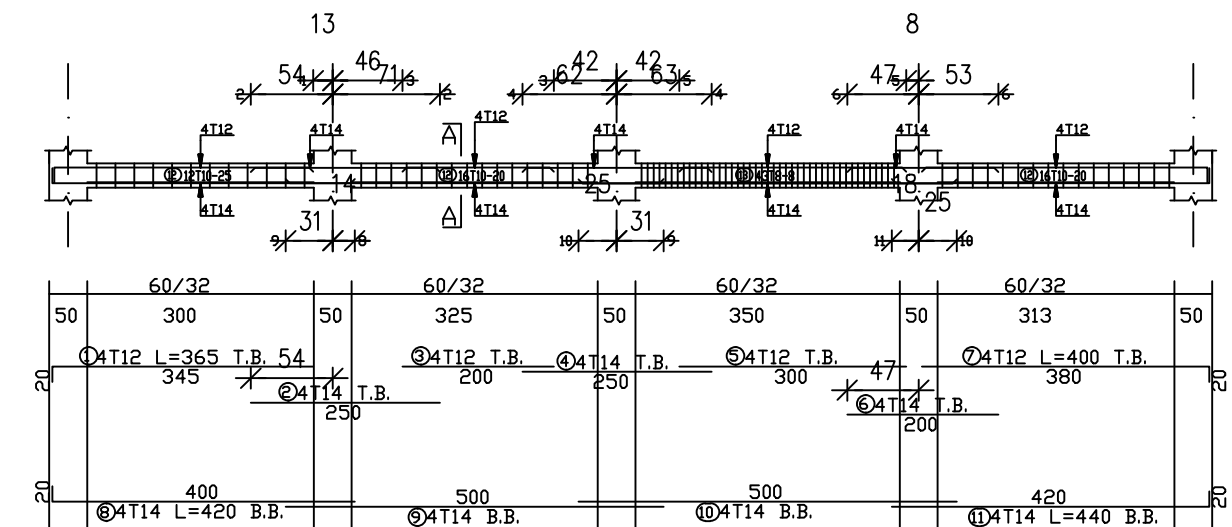
Section 23
Scale 1:20

Beam 23&24 (60/47)

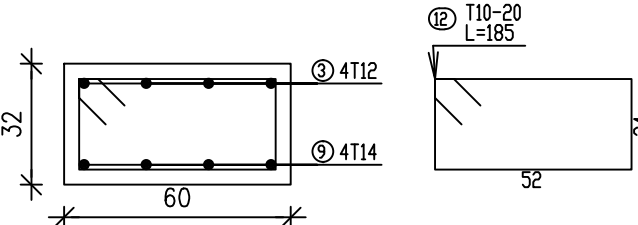


Section 26
Scale 1:20

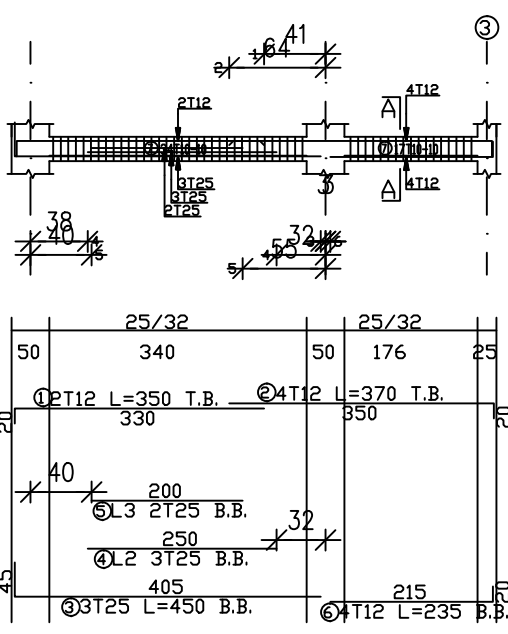
Beam 26&27 (60/32)



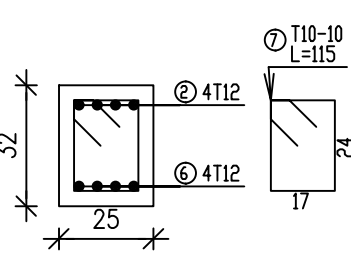
Beam 25 (60/32)



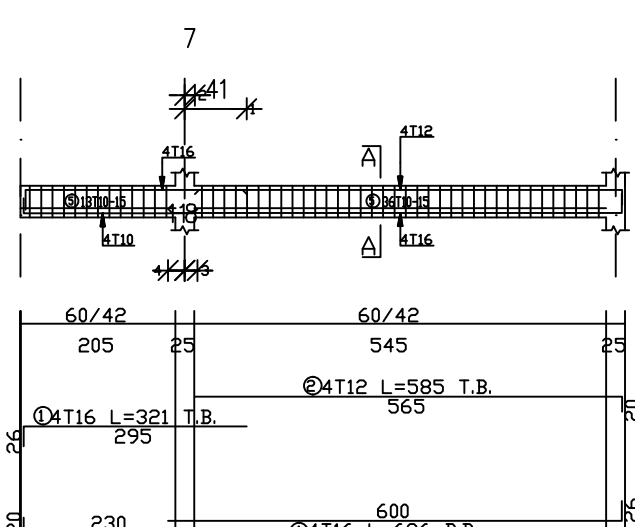
Section 25
Scale 1:20



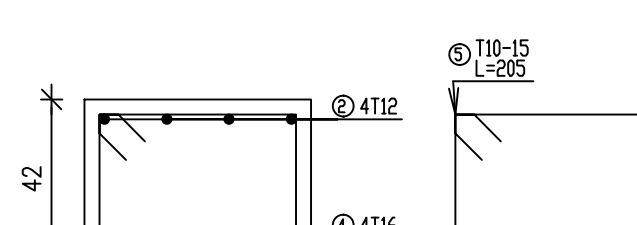
Beam 22 (25/32)



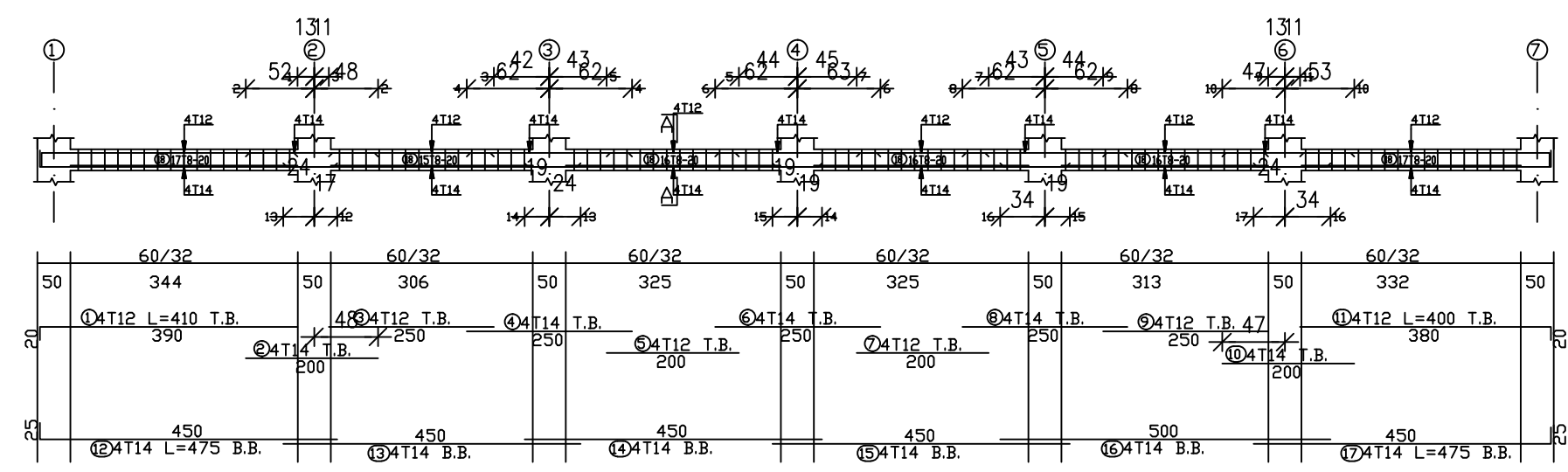
Section 22
Scale 1:20



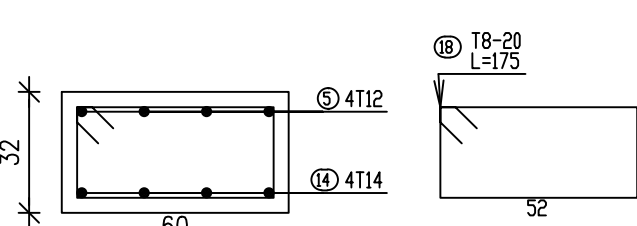
Beam 28 (60/42)



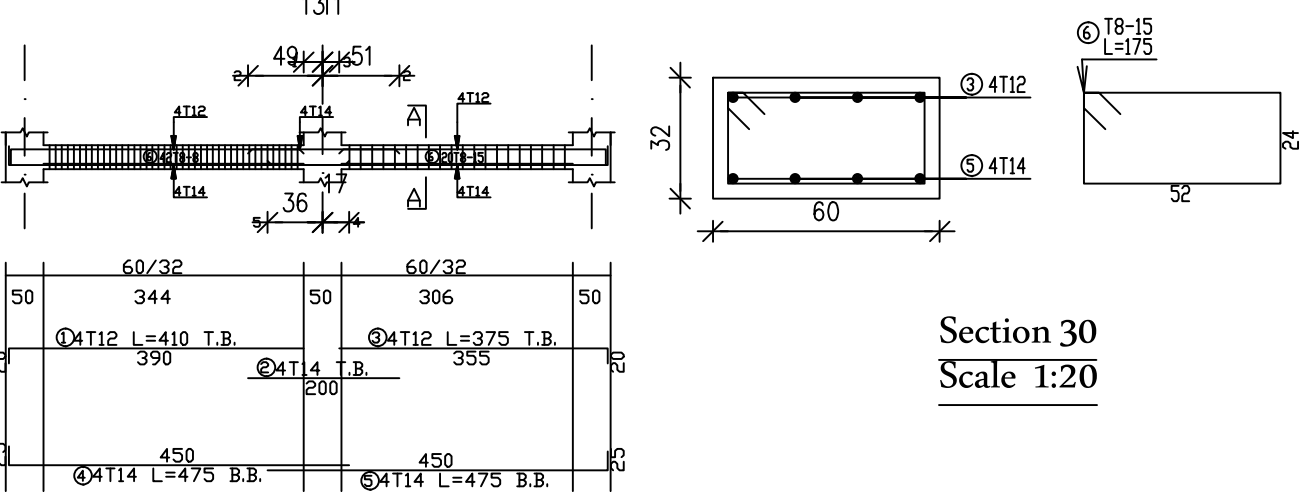
Section 28
Scale 1:20



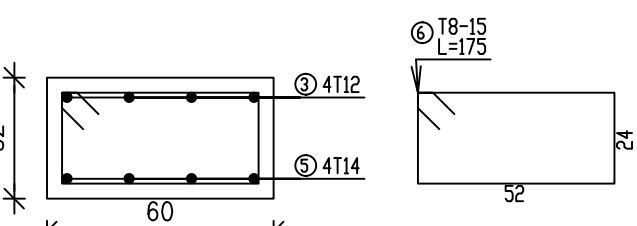
Beam 29 (60/32)



Section 29
Scale 1:20

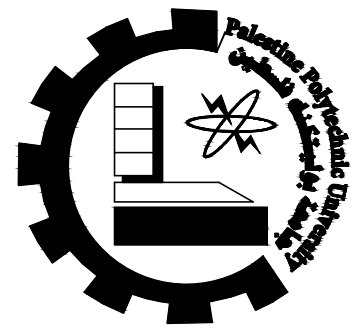
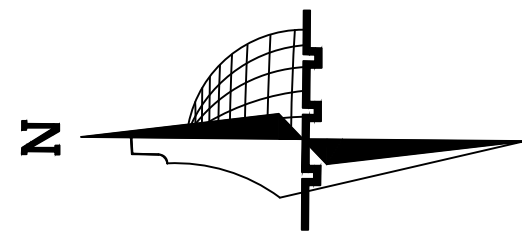


Beam 30 (60/32)



Section 30
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

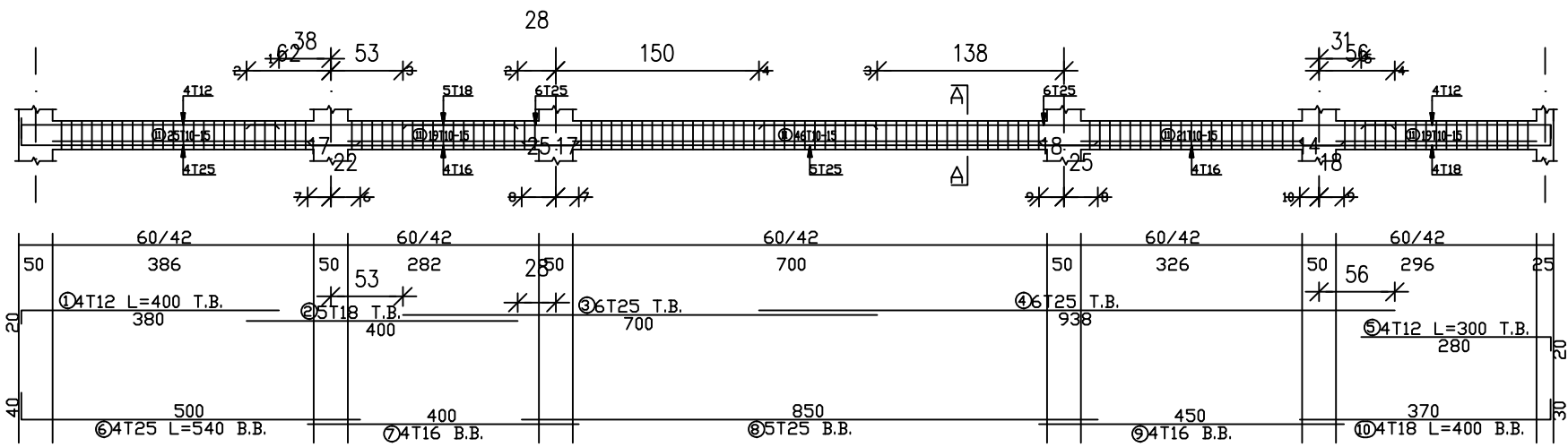
Beams Drawings

Sheet:

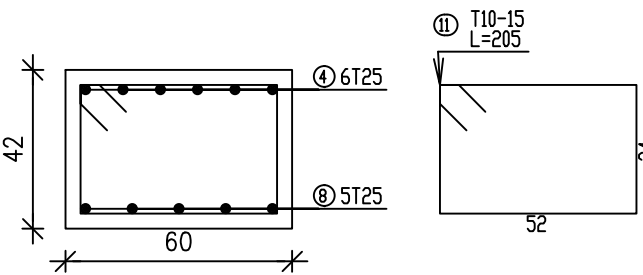
S23

Scale: 1:100

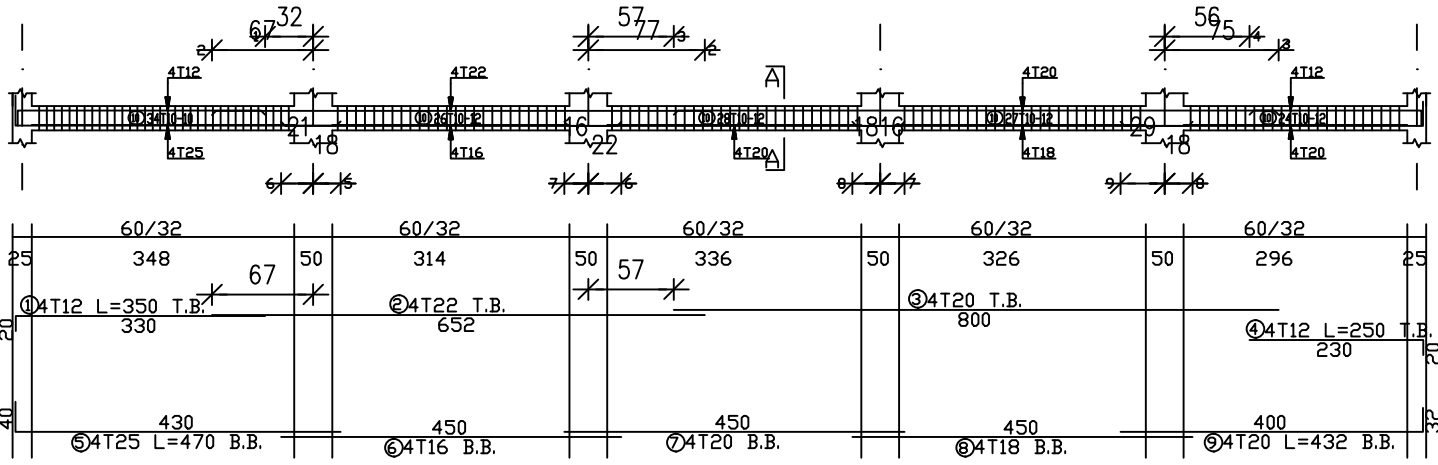
Beam(1-9) 4th Floor



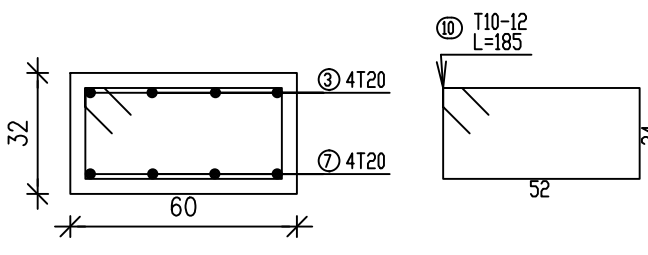
Beam 01 (60/42)



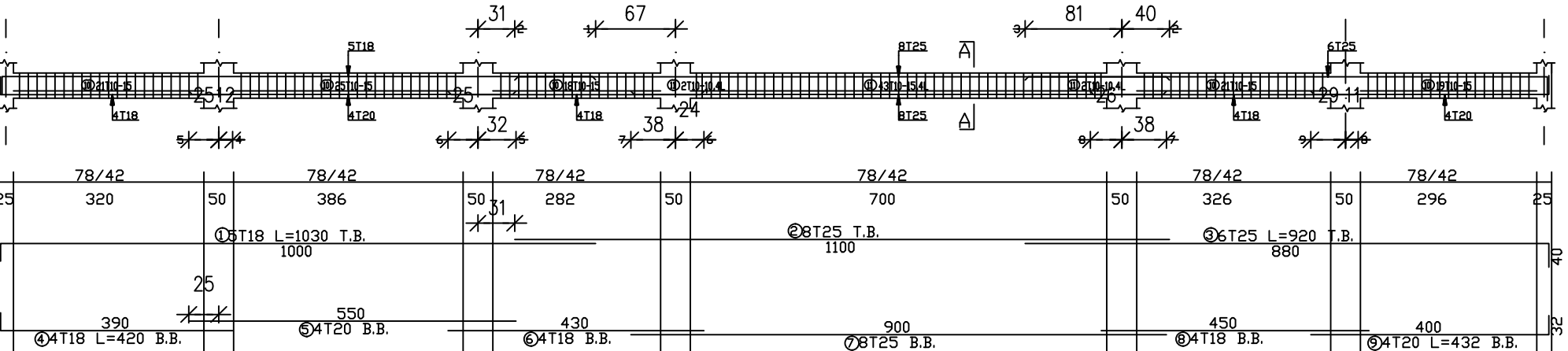
Section 01
Scale 1:20



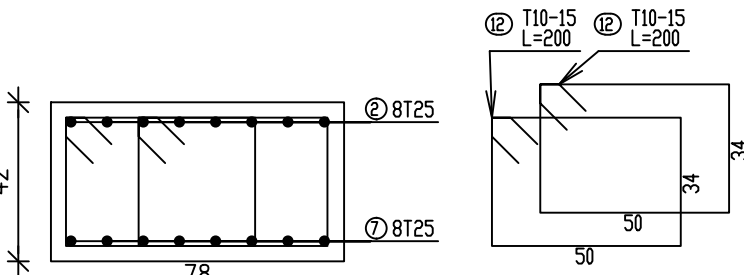
Beam 08 (60/32)



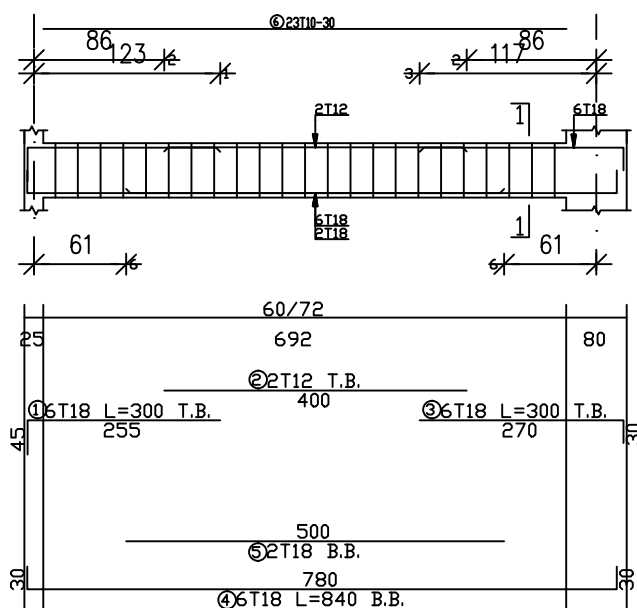
Section 08
Scale 1:20



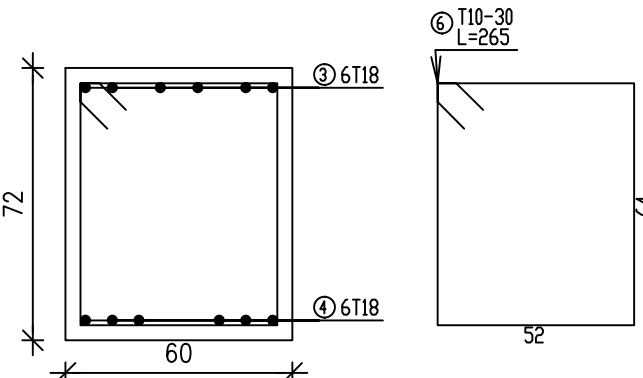
Beam 02 (80/42)



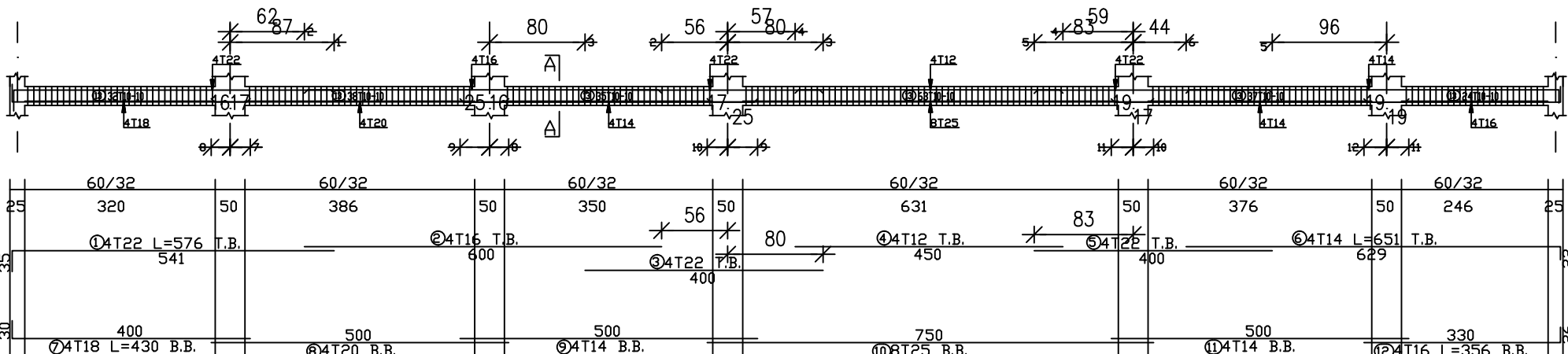
Section 02
Scale 1:20



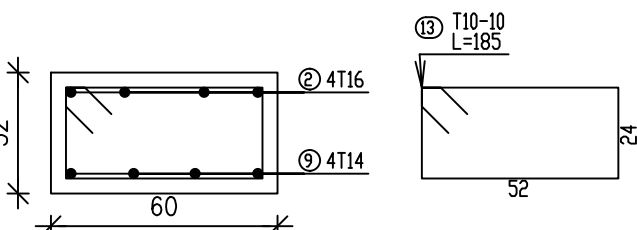
Beam 09 (60/72)



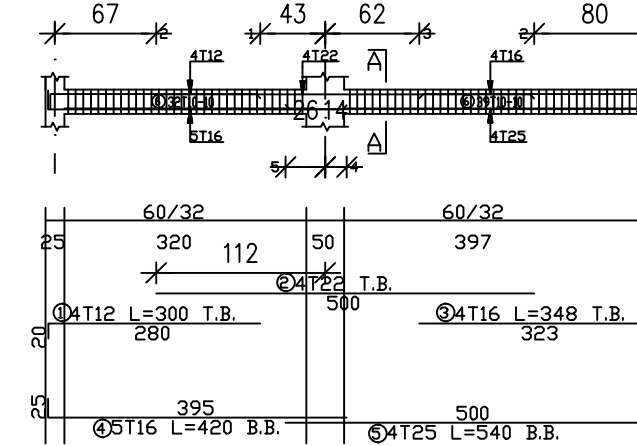
Section 09
Scale 1:20



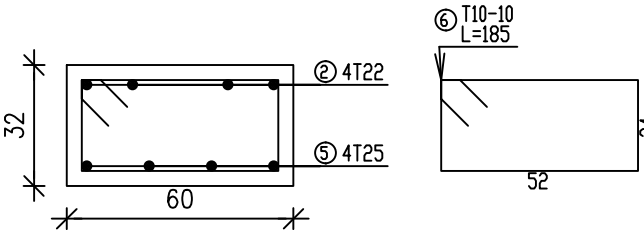
Beam 03&04 (60/32)



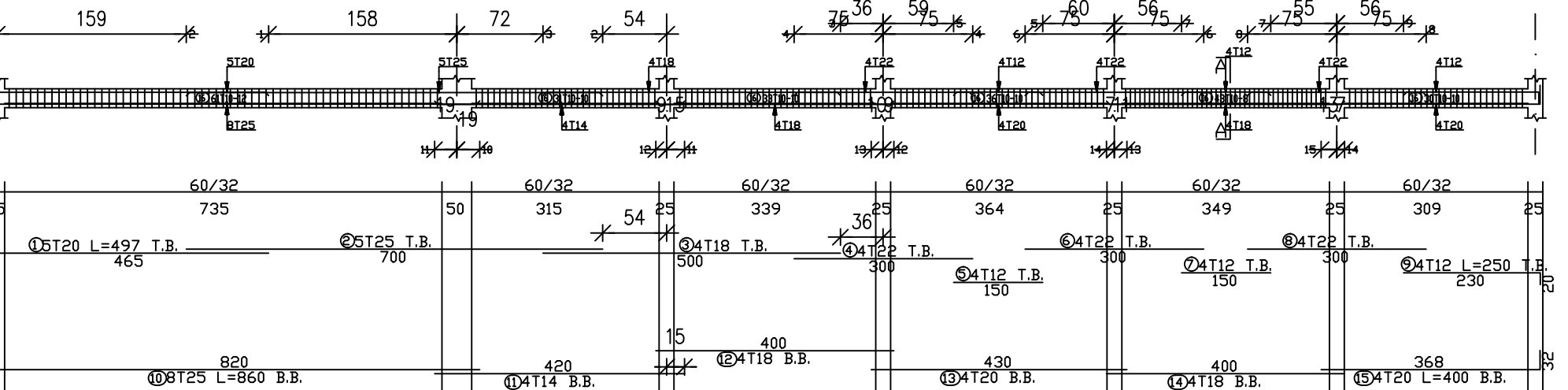
Section 03
Scale 1:20



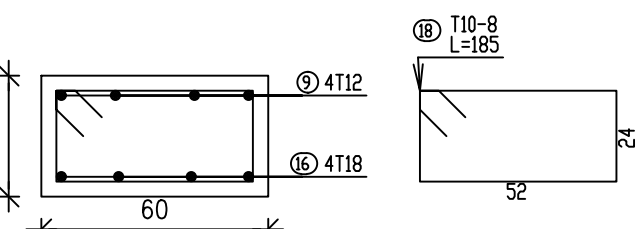
Beam 06 (60/32)



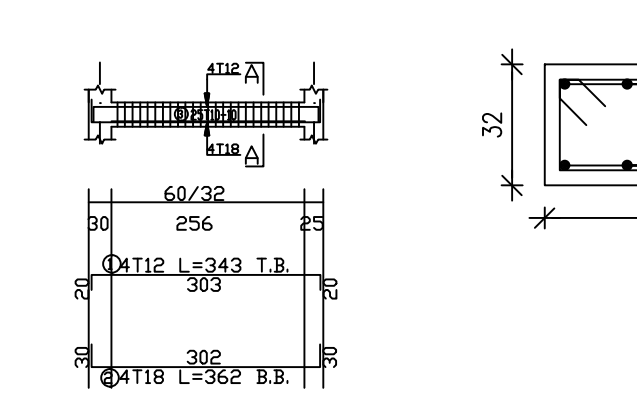
Section 06
Scale 1:20



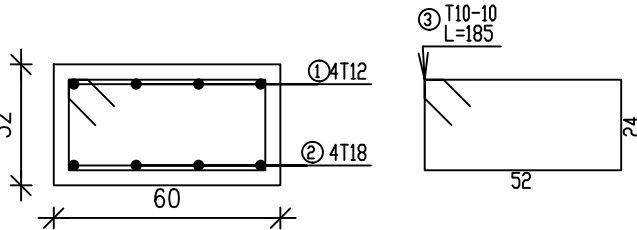
Beam 07 (60/32)



Section 07
Scale 1:20

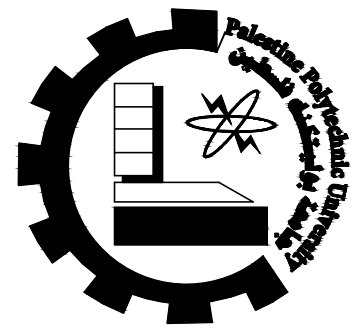
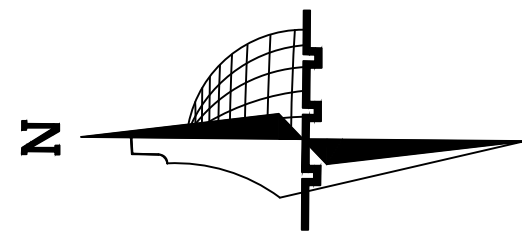


Beam 05 (60/32)



Section 05
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

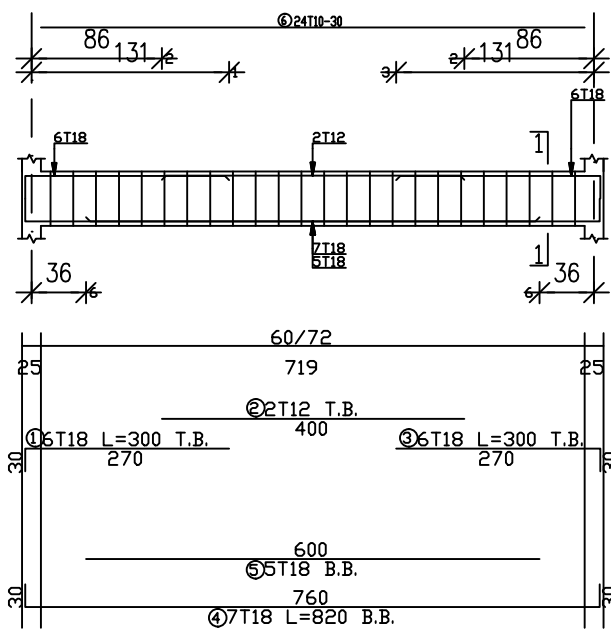
Beams Drawings

Sheet:

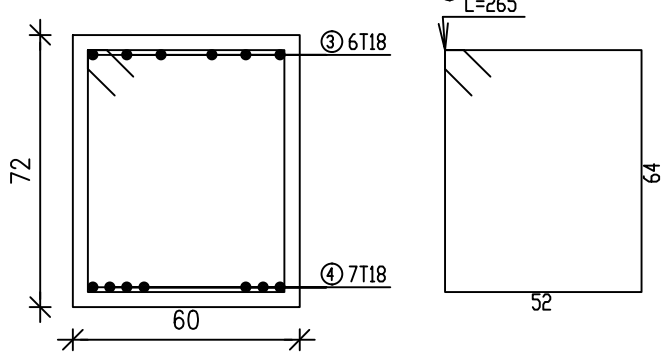
S24

Scale: 1:100

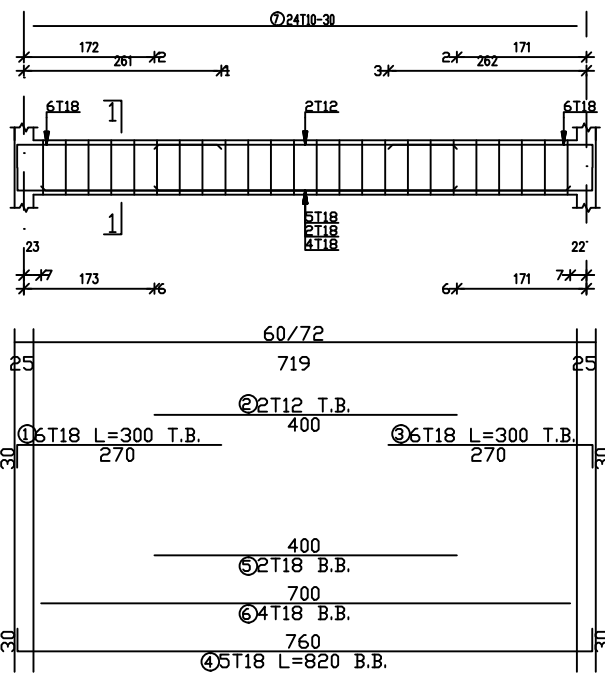
Beam(10-18) 4th Floor



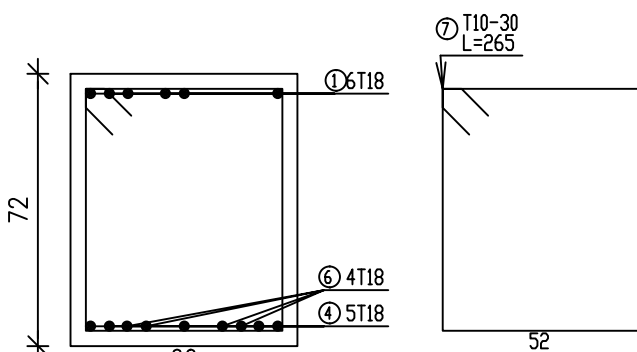
Beam 10 (60/72)



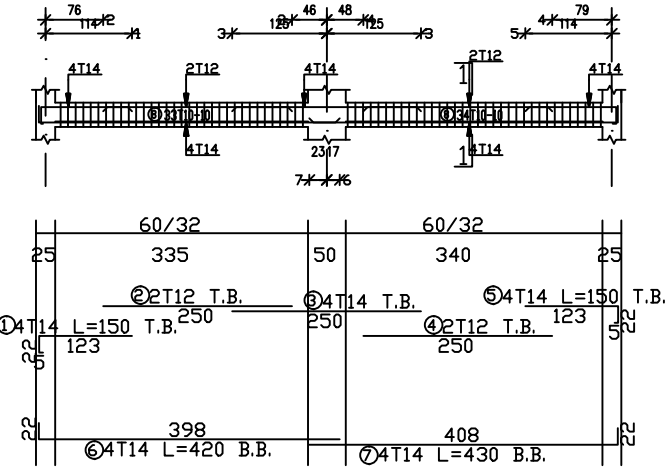
Section 10
Scale 1:20



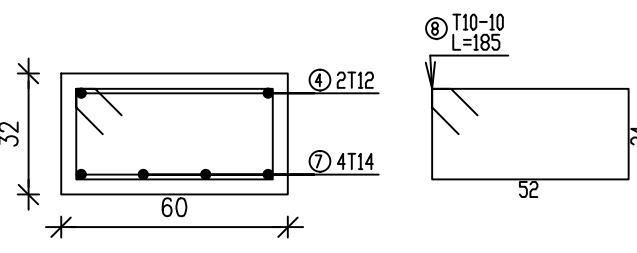
Beam 11 (60/72)



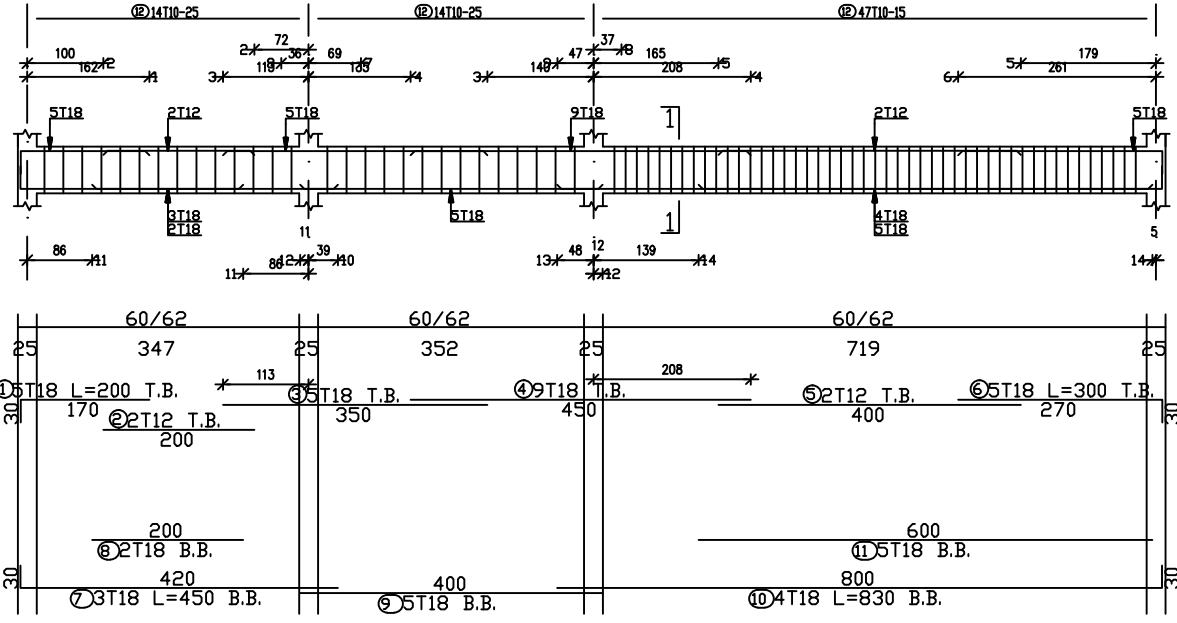
Section 11
Scale 1:20



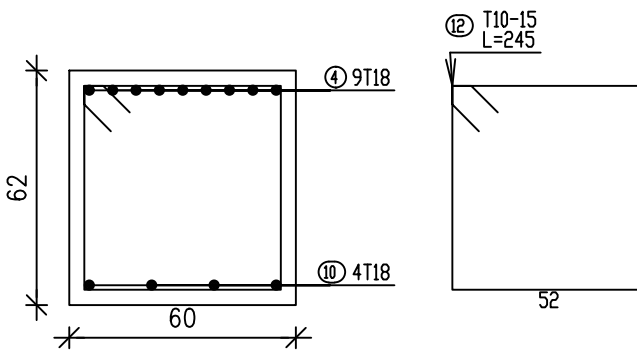
Beam 12 (60/32)



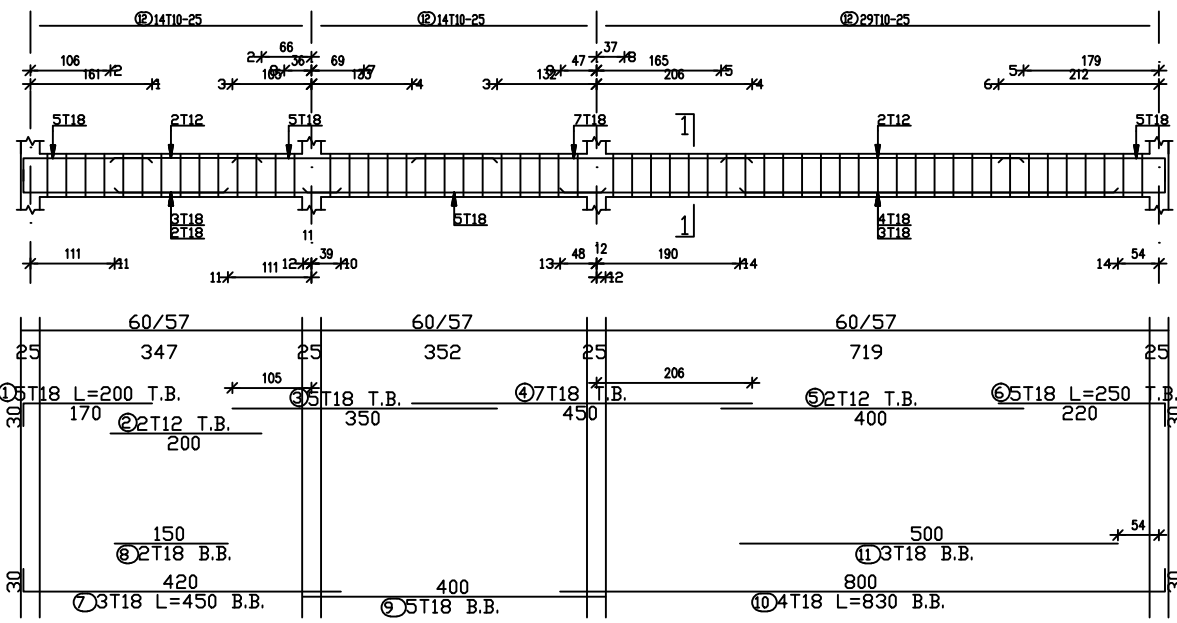
Section 12
Scale 1:20



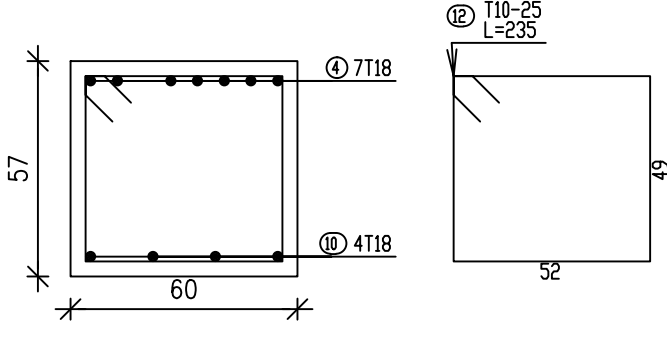
Beam 13 (60/62)



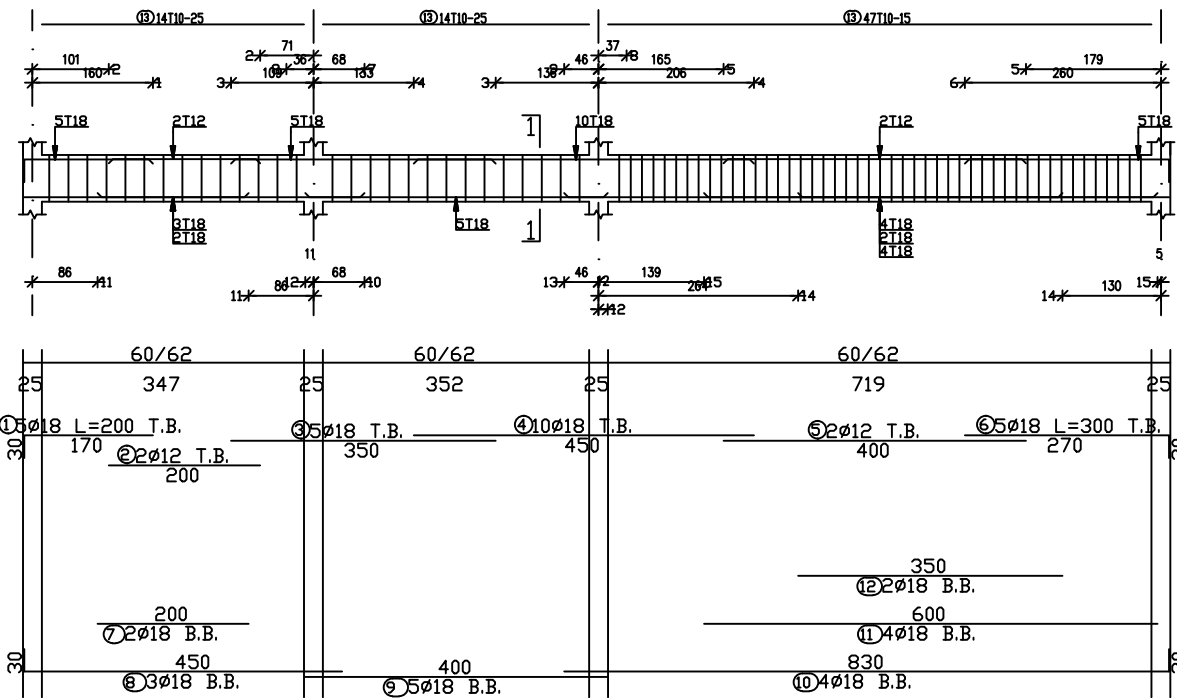
Section 13
Scale 1:20



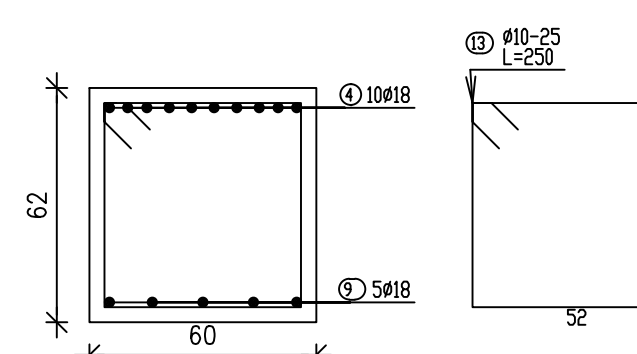
Beam 14 (60/62)



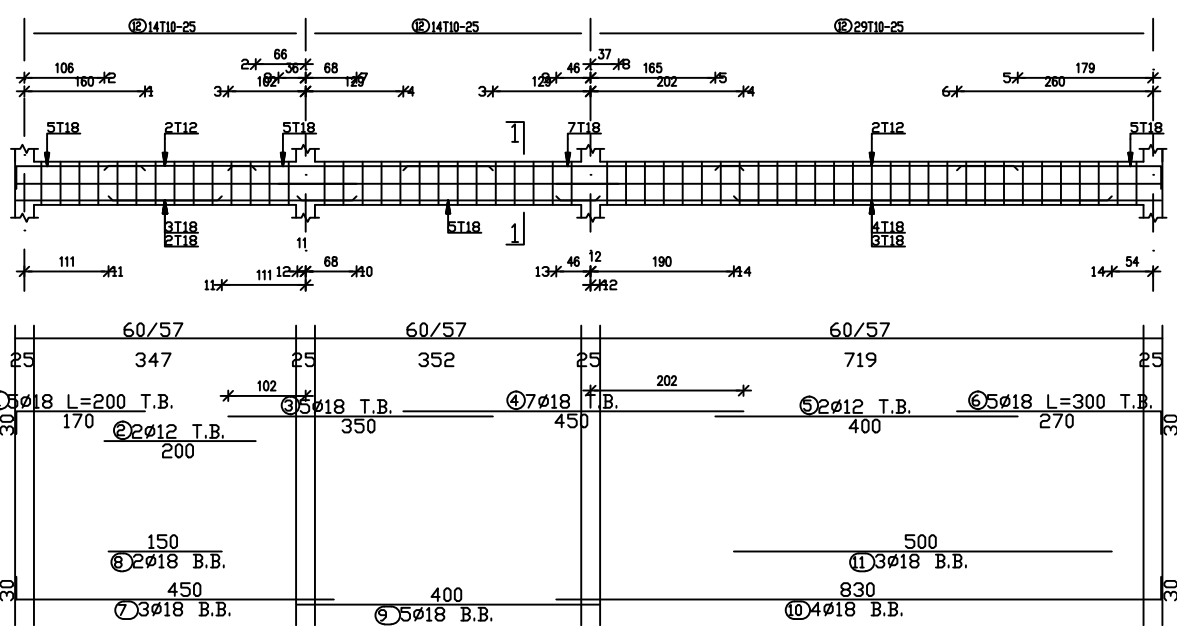
Section 14
Scale 1:20



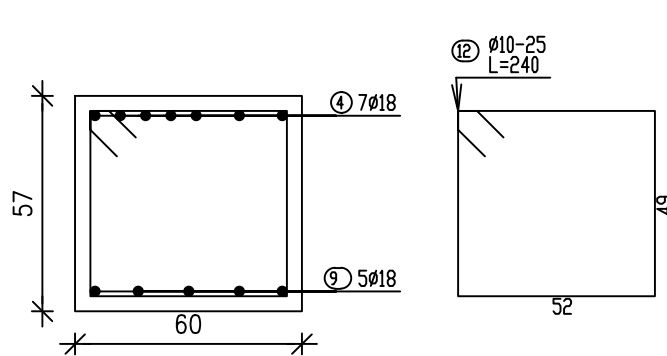
Beam 15 (60/62)



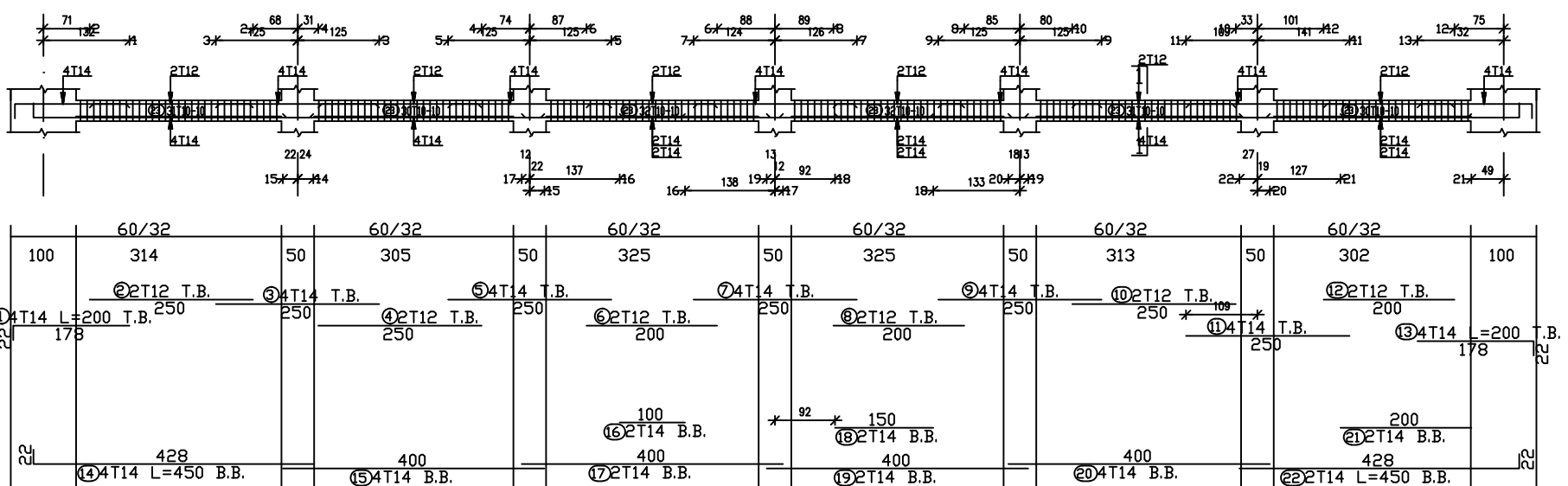
Section 15
Scale 1:20



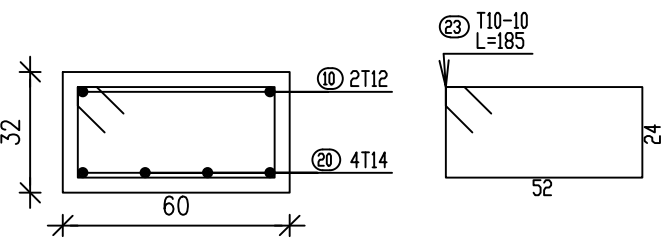
Beam 16 (60/57)



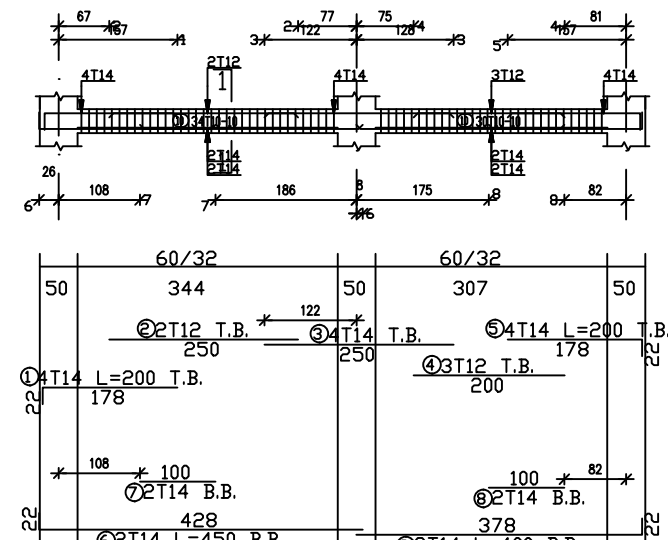
Section 16
Scale 1:20



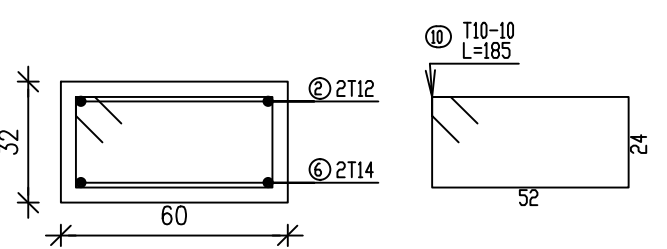
Beam 17 (60/32)



Section 17
Scale 1:20

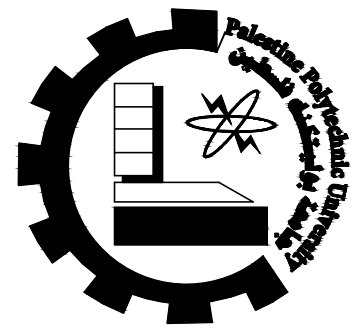
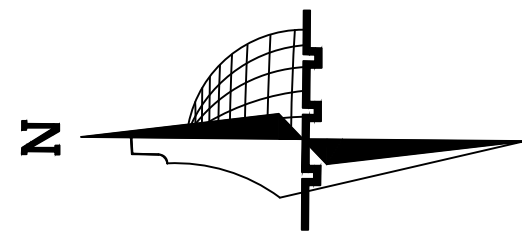


Beam 18 (60/32)



Section 18
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
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civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

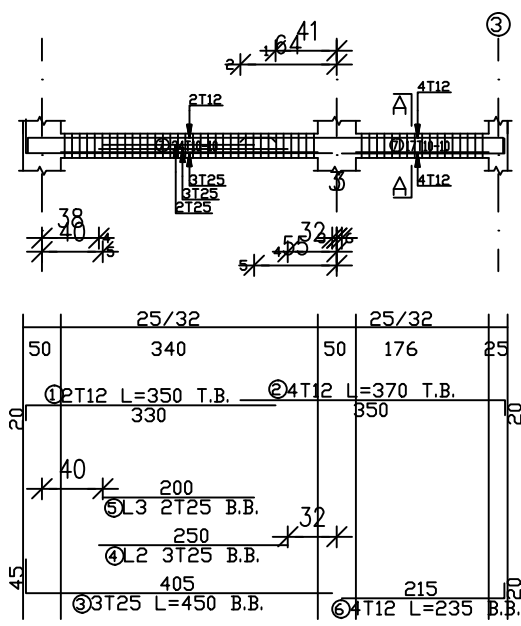
Beams Drawings

Sheet:

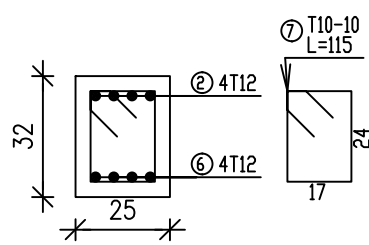
S25

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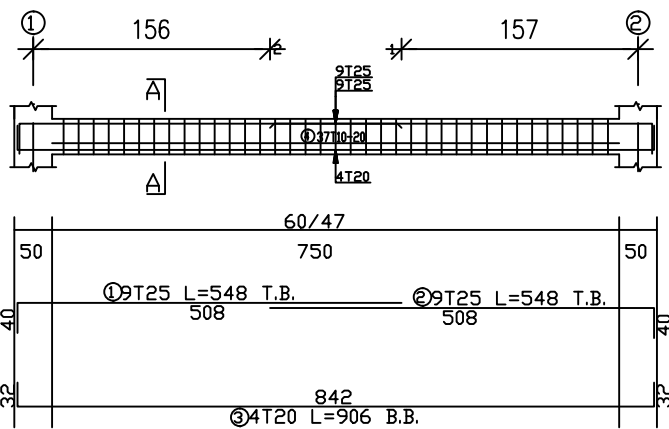
Beam(19-28) 4Th Floor



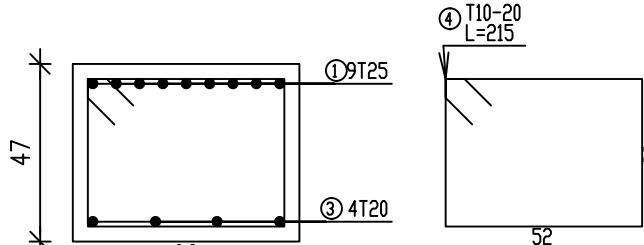
Beam 22 (25/32)



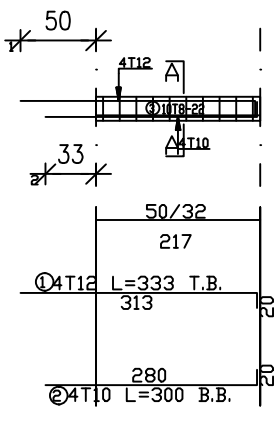
Section 22
Scale 1:20



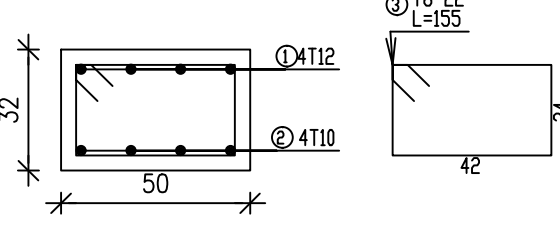
Beam 23&24 (60/47)



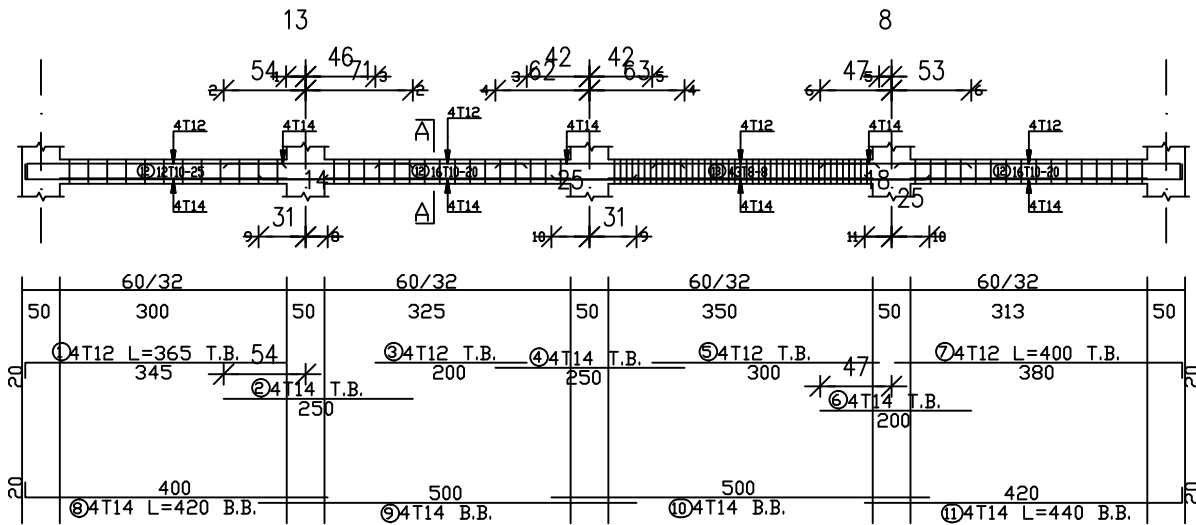
Section 23
Scale 1:20



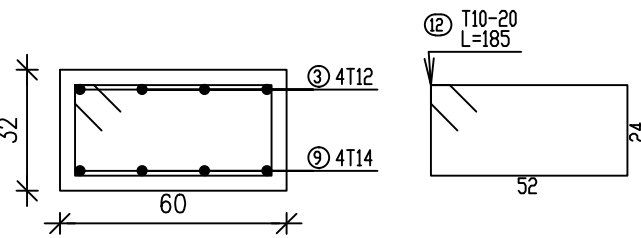
Beam 21 (50/32)



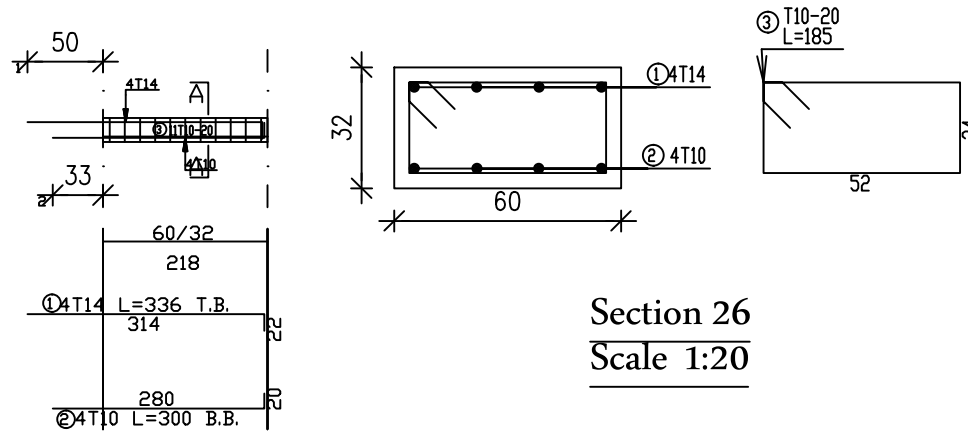
Section 21
Scale 1:20



Beam 25 (60/32)

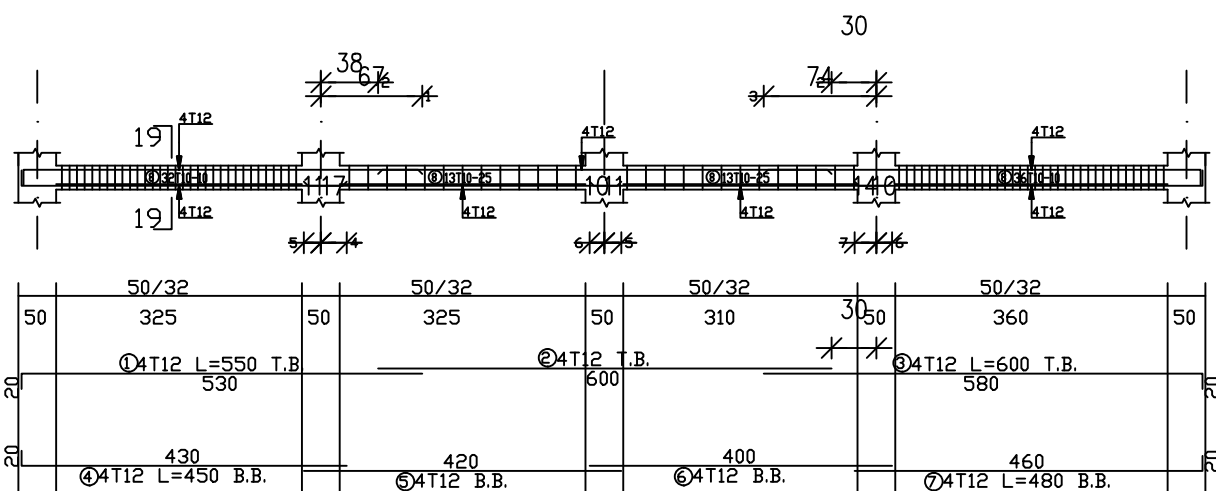


Section 25
Scale 1:20

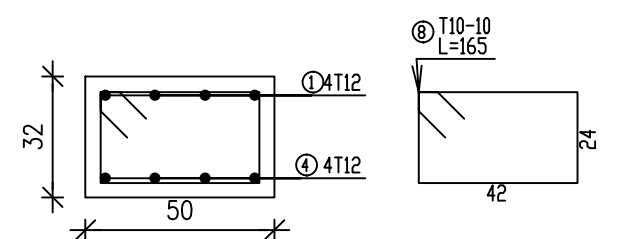


Beam 26&27 (60/32)

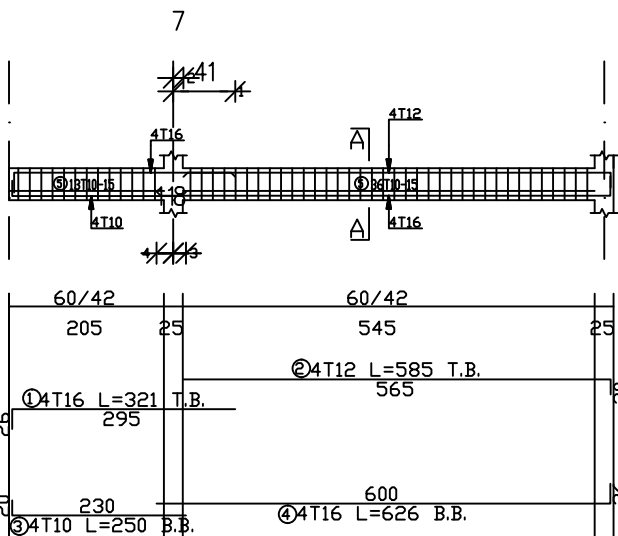
Section 26
Scale 1:20



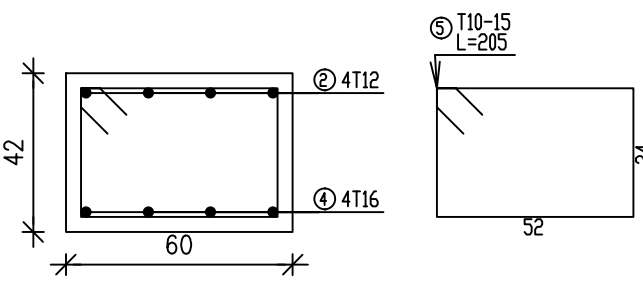
Beam 19 (50/32)



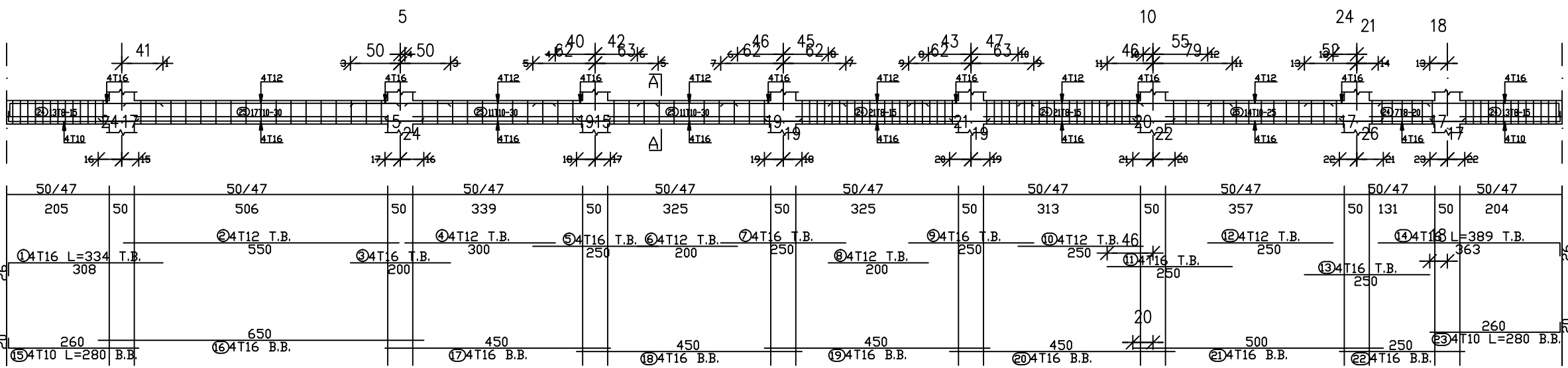
Section 19
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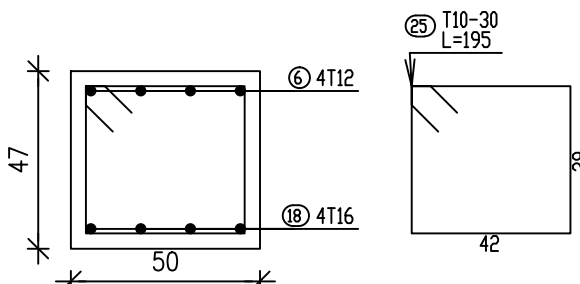
Beam 28 (60/42)



Section 28
Scale 1:20

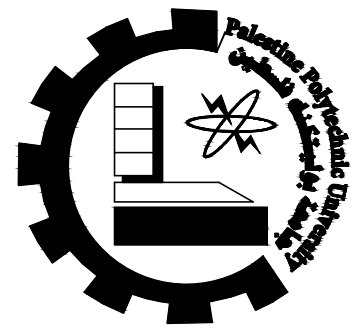
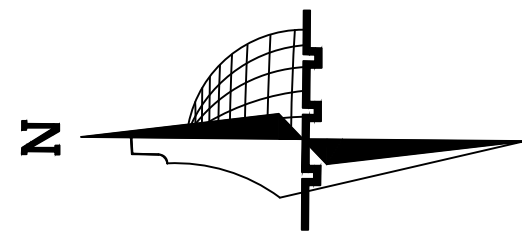


Beam 20 (50/47)



Section 20
Scale 1:20

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

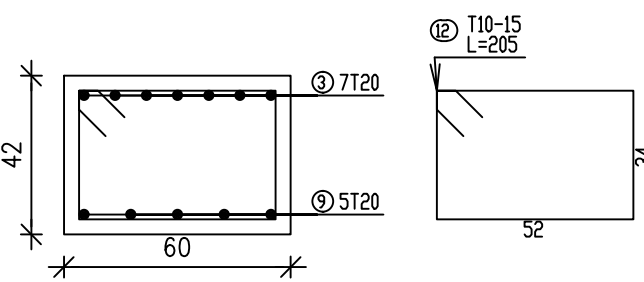
Beams Drawings

Sheet:

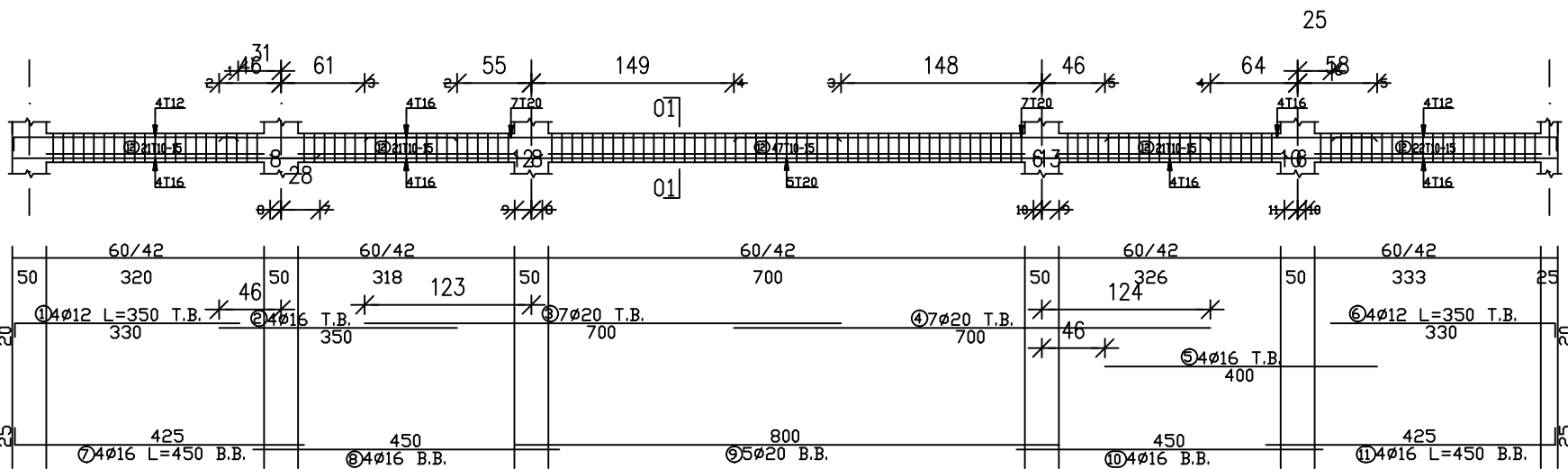
526

Scale: 1:100

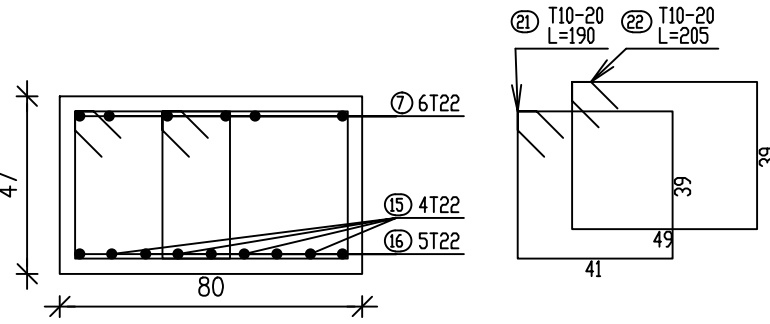
Beam(1-6) Roof Floor



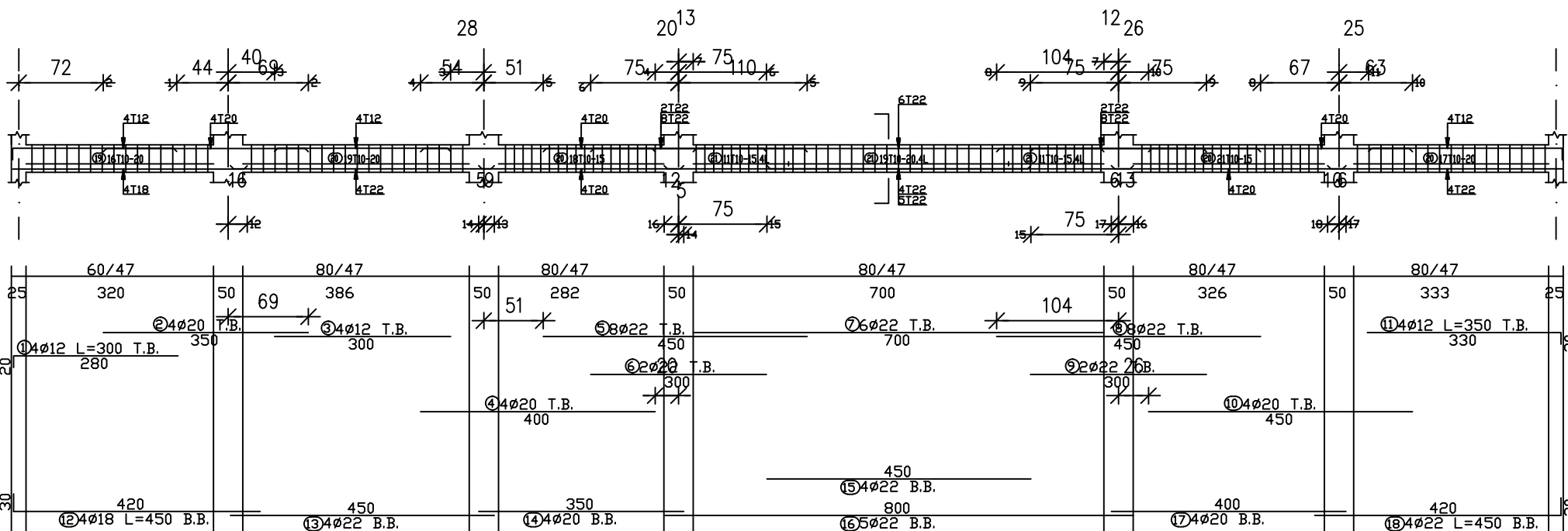
Section 01
Scale 1:20



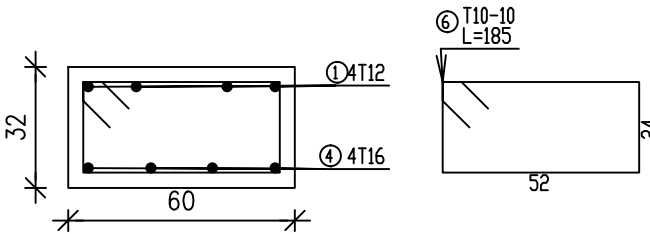
Beam 01 (60/42)



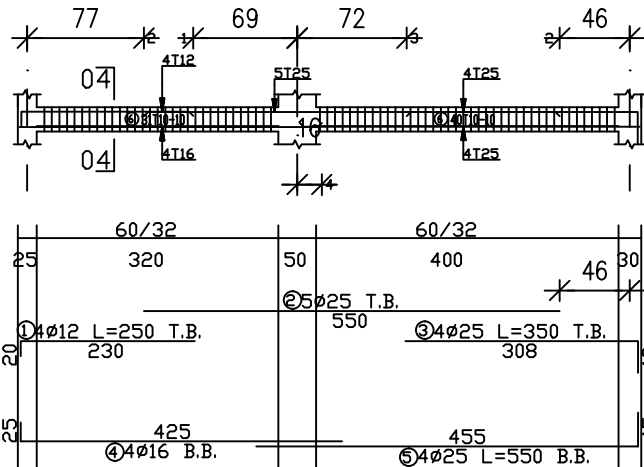
Section 02
Scale 1:20



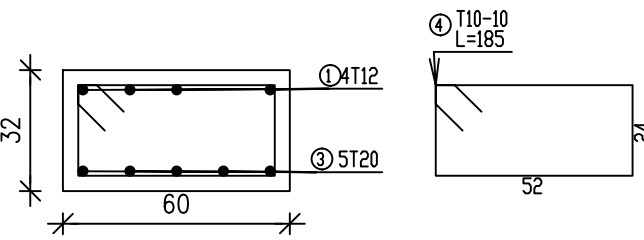
Beam 02 (80/47)



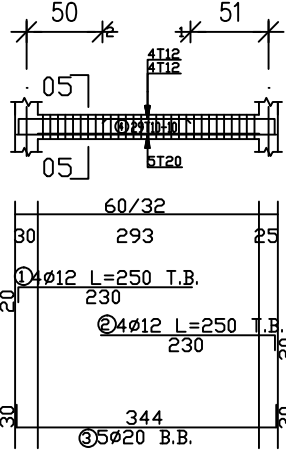
Section 04
Scale 1:20



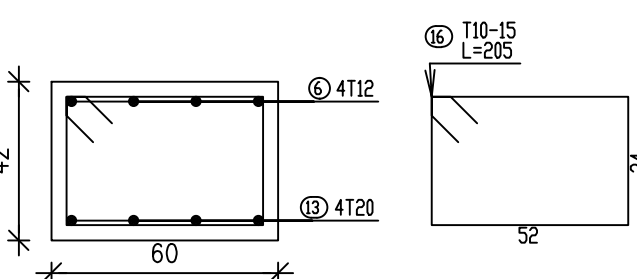
Beam 04 (60/32)



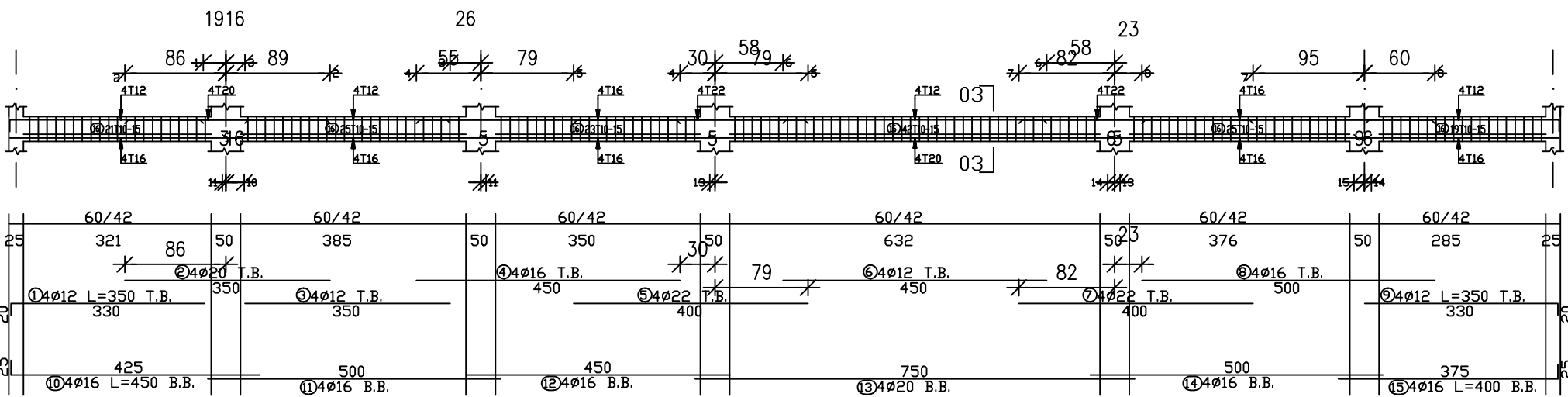
Section 05
Scale 1:20



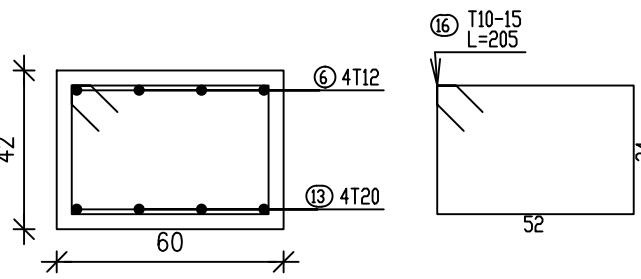
Beam 05 (60/32)



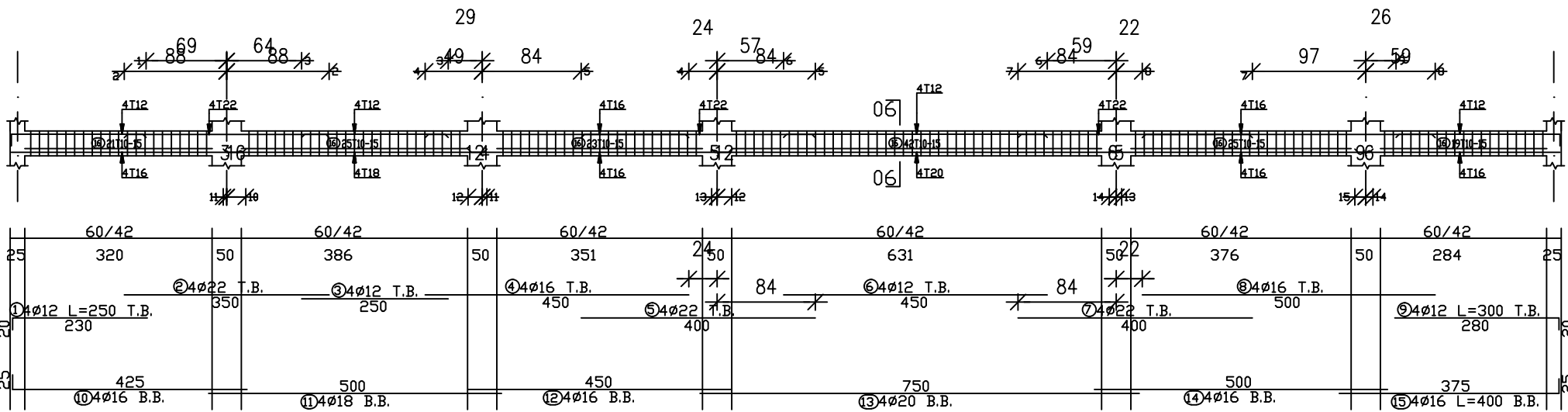
Section 03
Scale 1:20



Beam 03 (60/42)

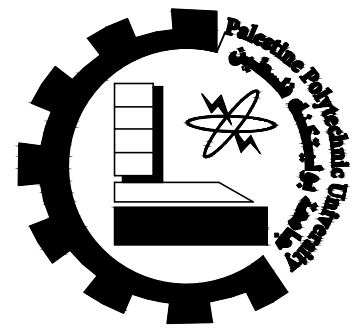
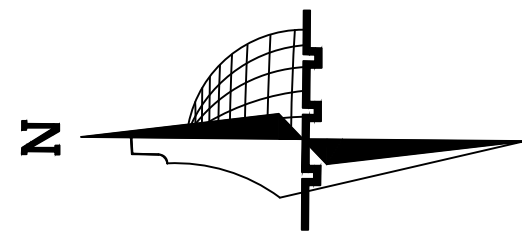


Section 06
Scale 1:20



Beam 06 (60/42)

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

Dr. Belal Al-Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al-Manar Hotel)

Sheet Title:

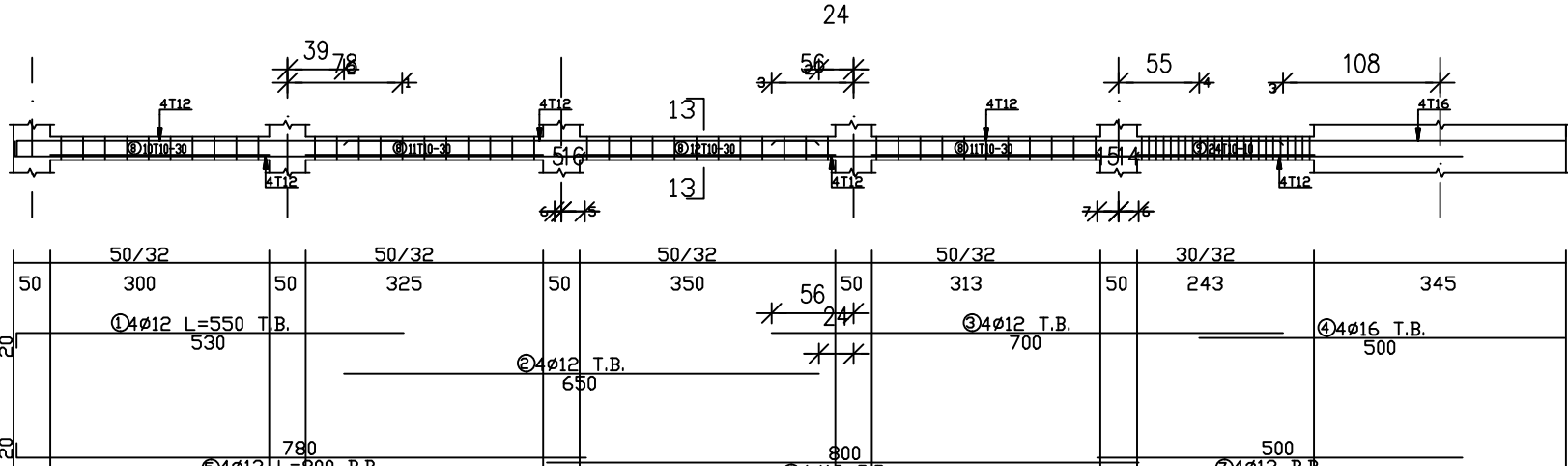
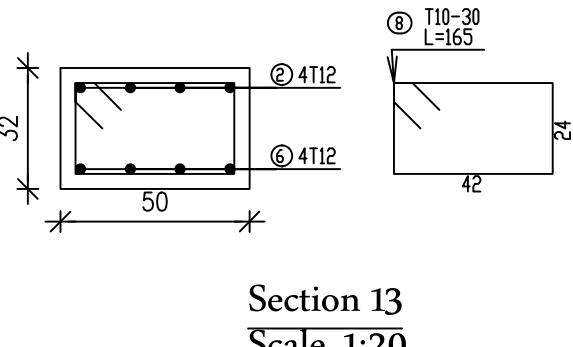
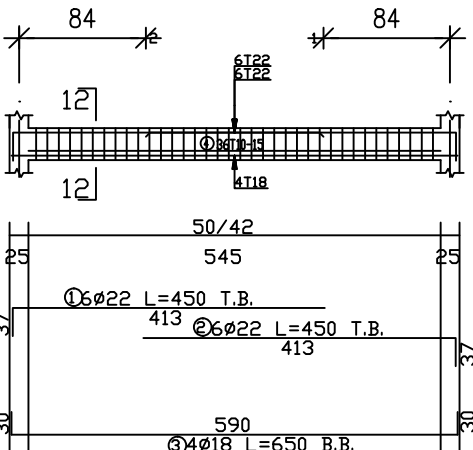
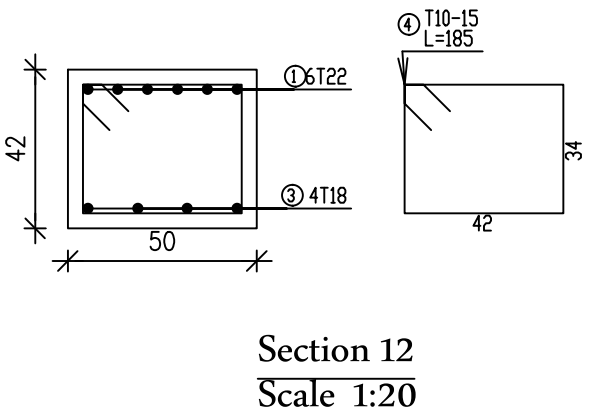
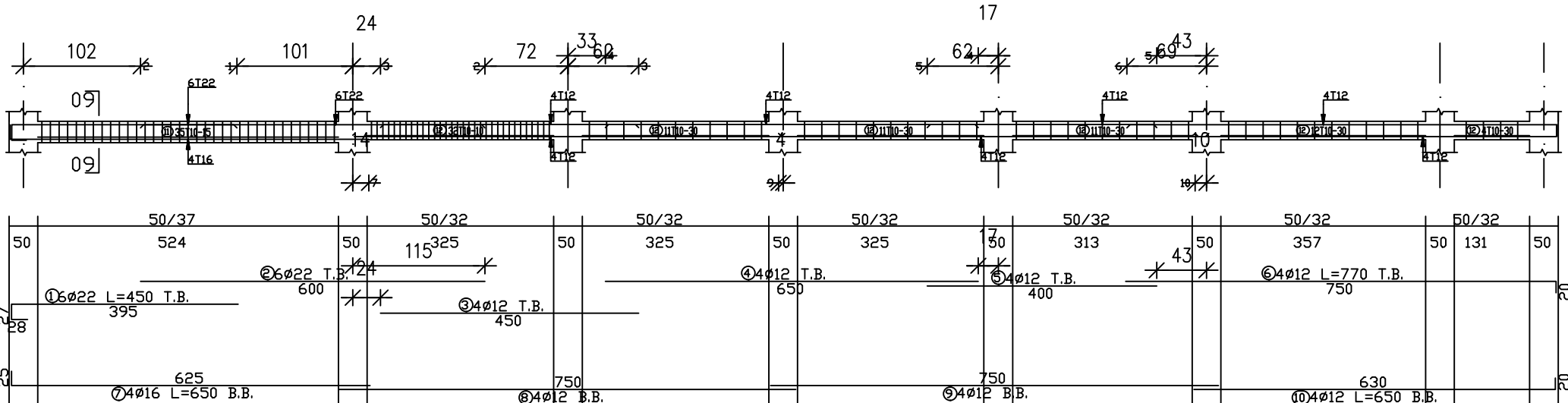
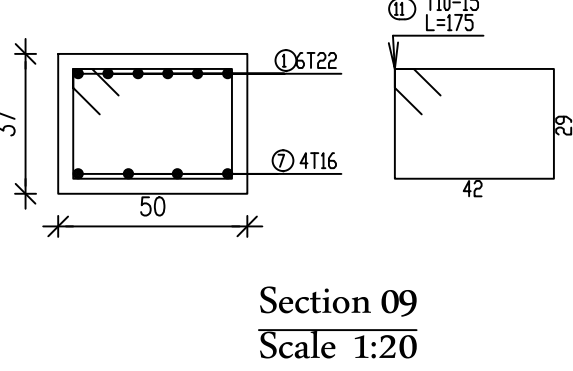
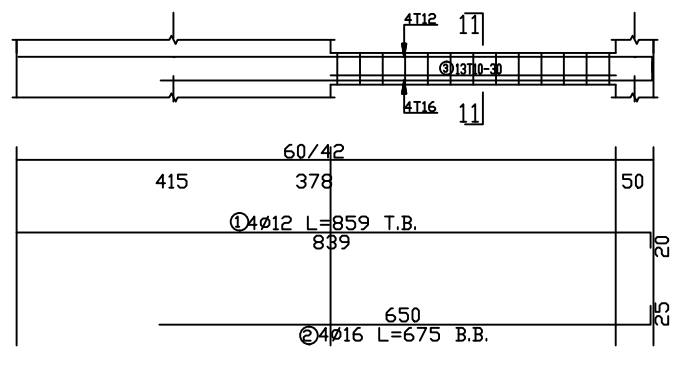
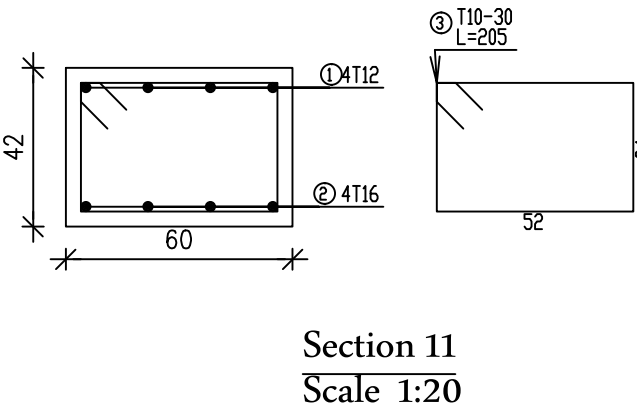
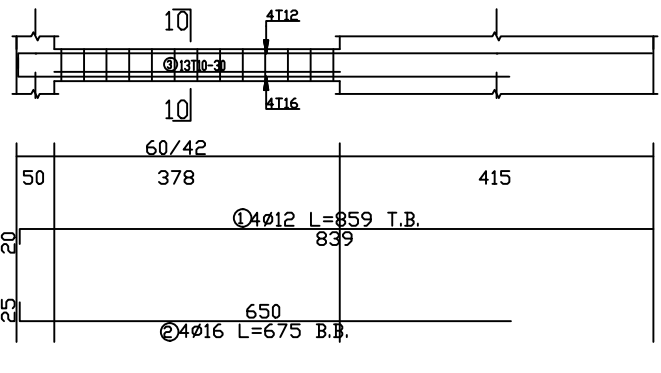
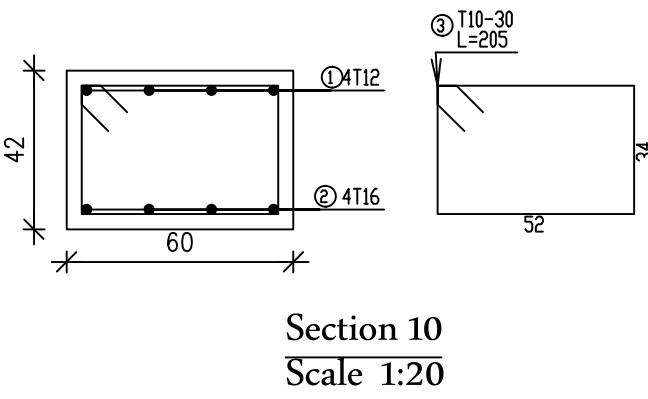
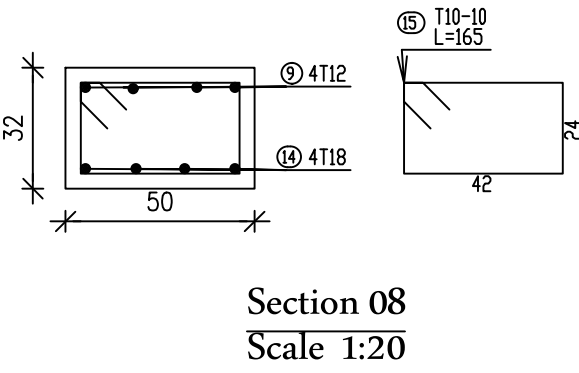
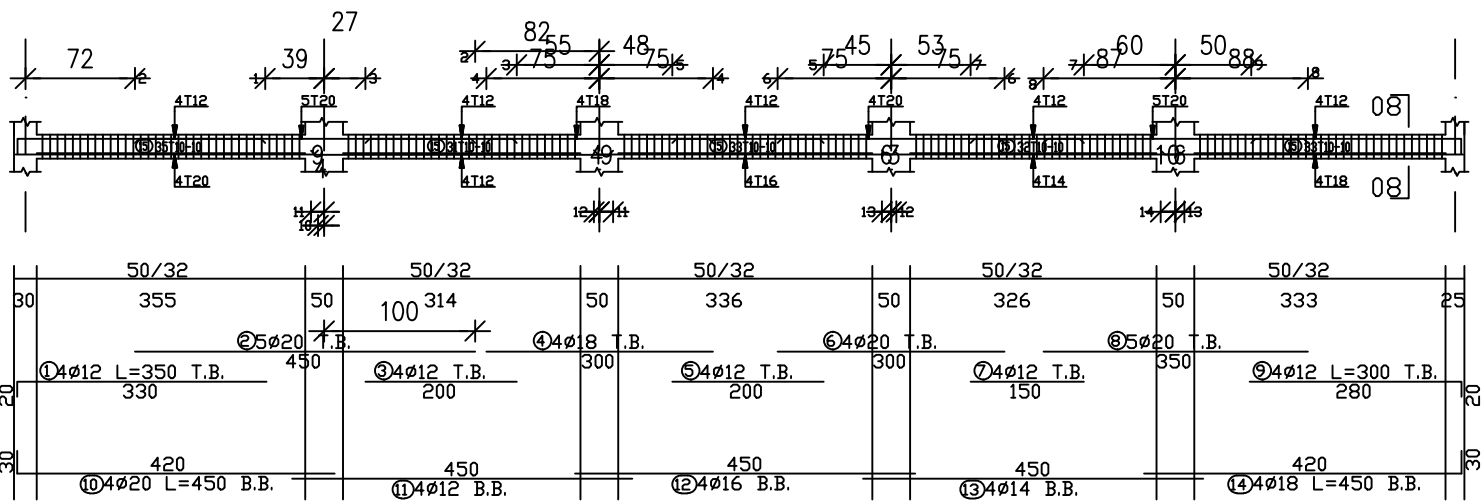
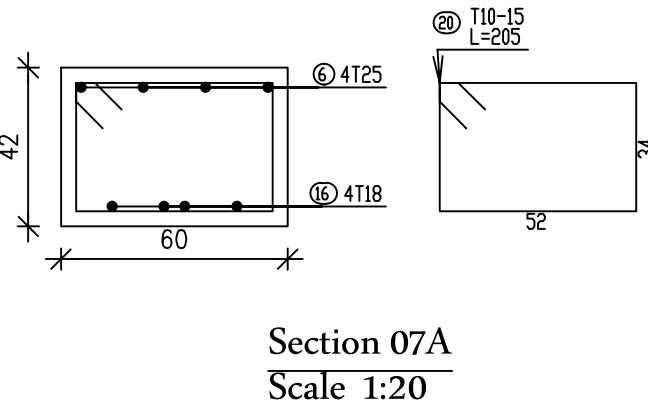
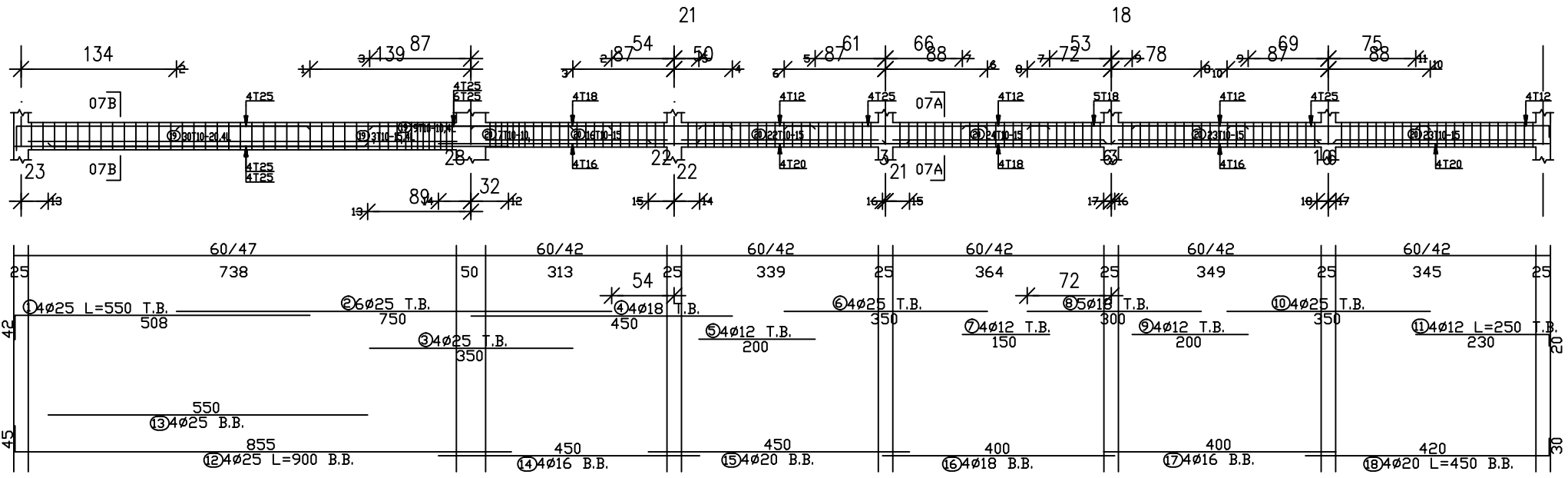
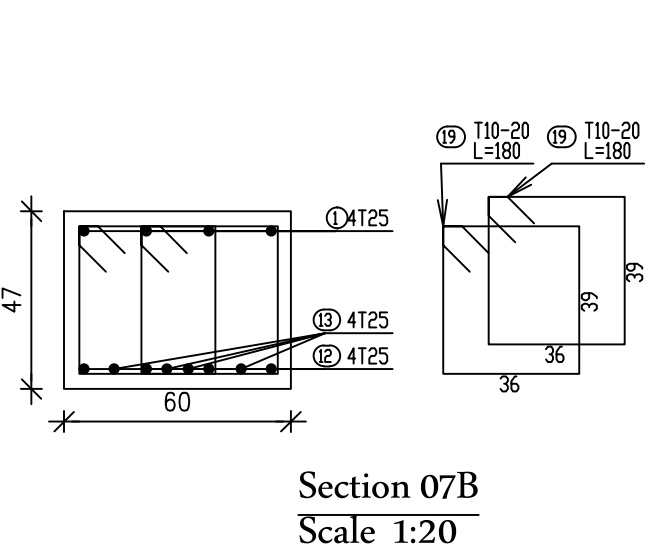
Beams Drawings

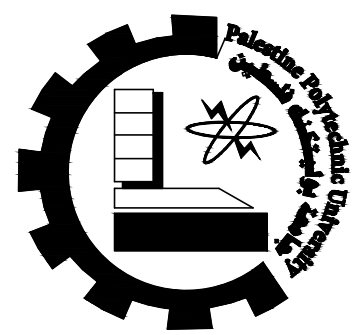
Sheet:

S27

Scale: 1:100

Beam(7-13) Roof Floor





Civil & Arch. Eng.
Department

–*Supervisor:*

-Students Name :

Graduation Project :

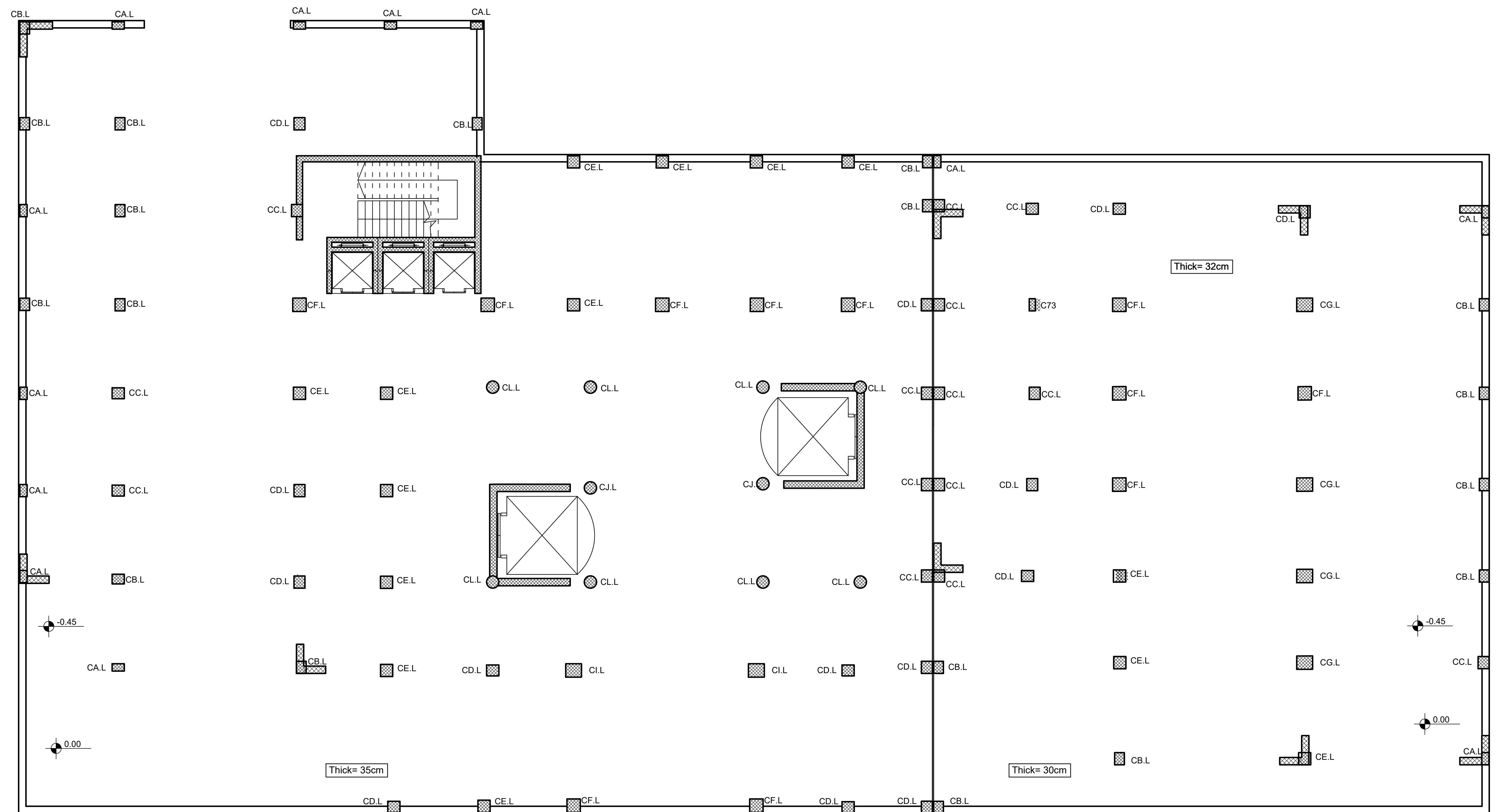
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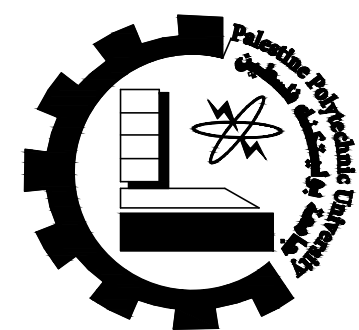
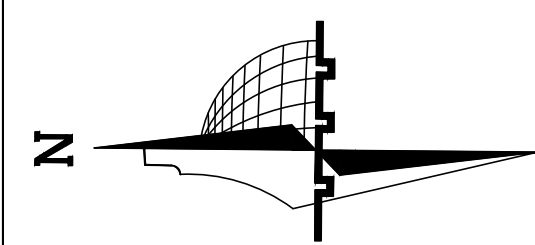
528

Scale: $1:100$

Columns Plan



GENERAL NOTES



Palestine Polytechnic
University

Civil &Arch.Eng.
Department

civil Engineering

–Supervisor:

Dr.Belal Al–Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

Sheet Title:

Columns Sections
Drawings

Sheet:

S29

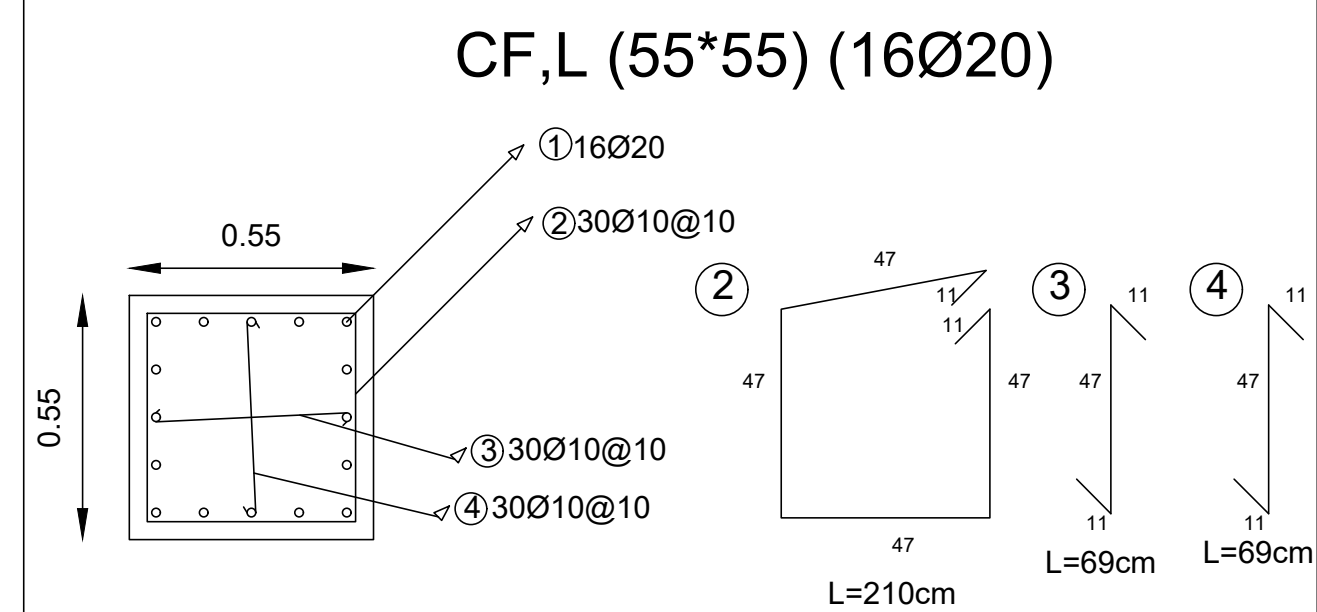
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Floor

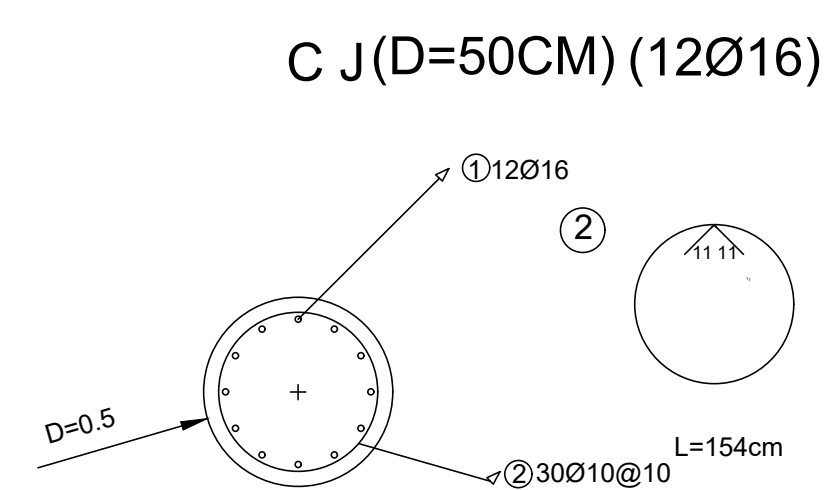
Basement and
Ground Floor

H=4.1m

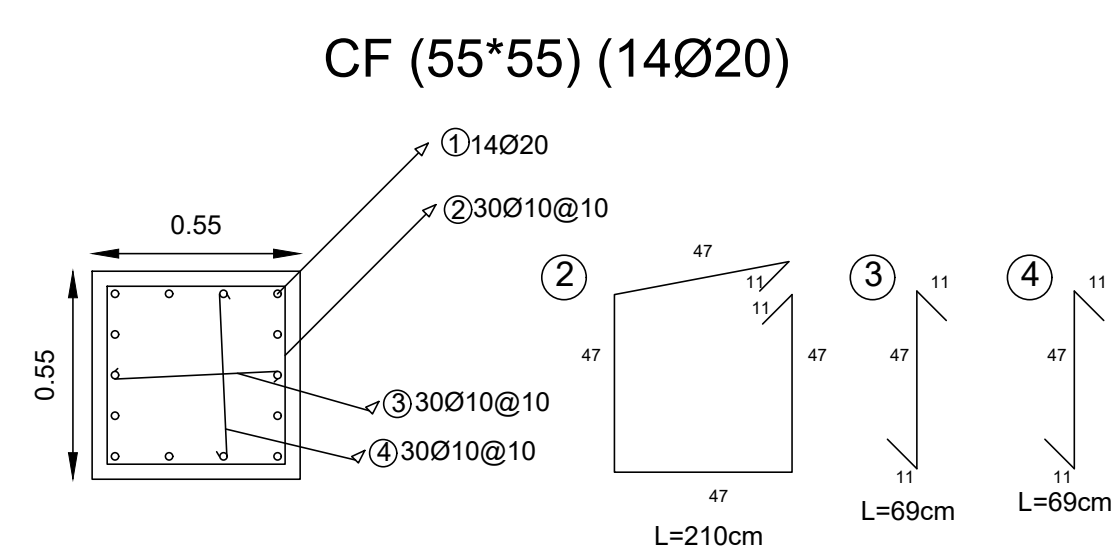
Detailing Of Columns Groupe
(CF),(CF,L) (2500–3000KN)



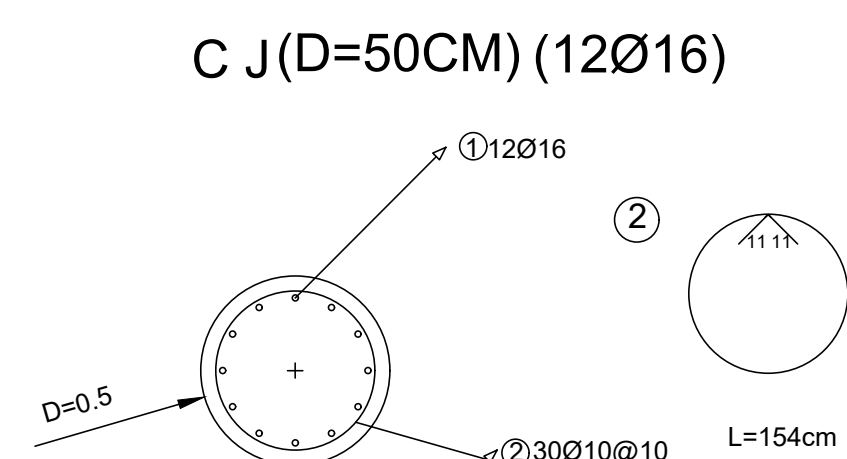
Detailing Of Columns Groupe
(CJ),(CJ,L) (0–1000KN)



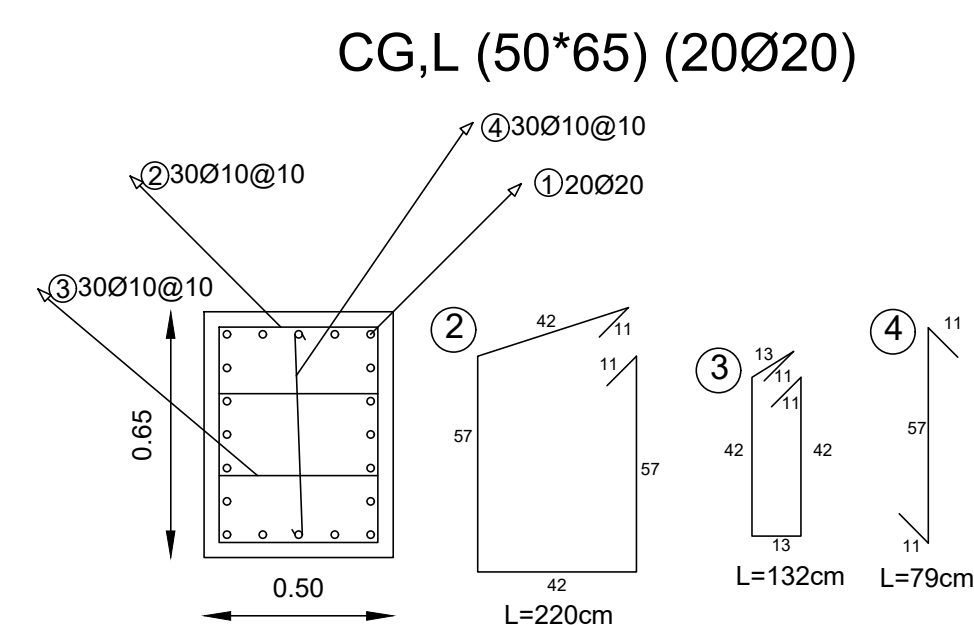
Detailing Of Columns Groupe
(CF),(CF,L) (2500–3000KN)



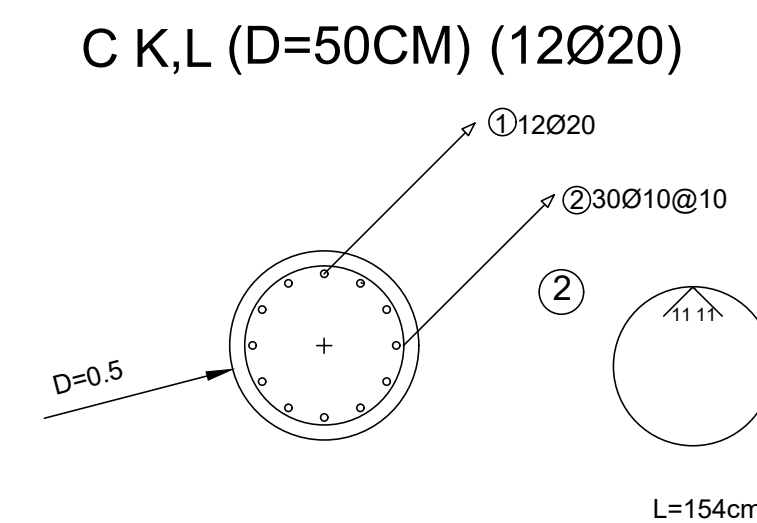
Detailing Of Columns Groupe
(CJ),(CJ,L) (0–1000KN)



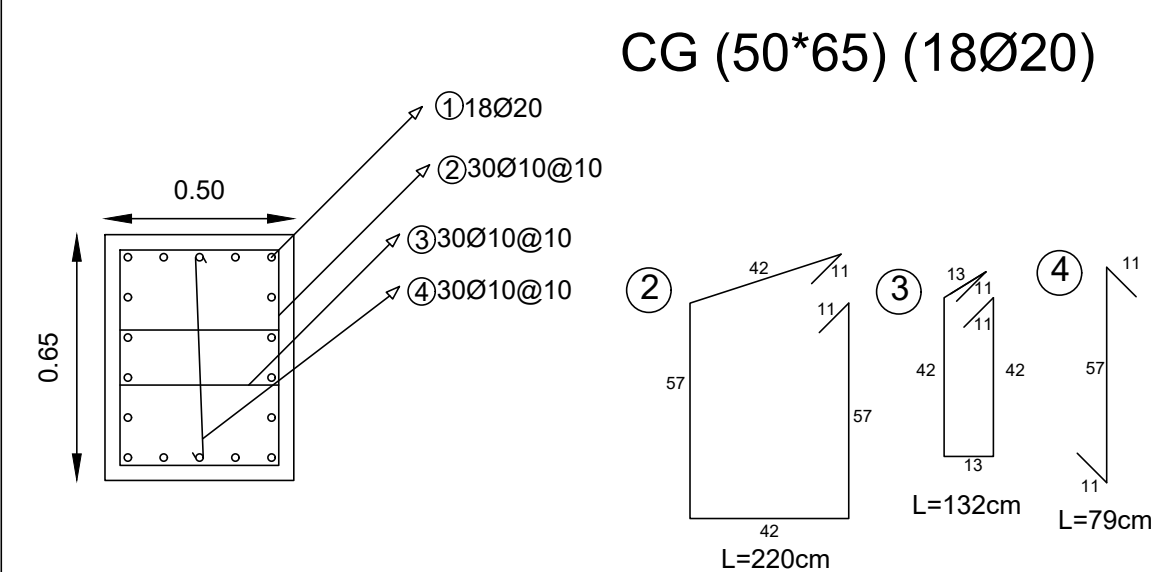
Detailing Of Columns Groupe
(CG),(CG,L) (3000–3500KN)



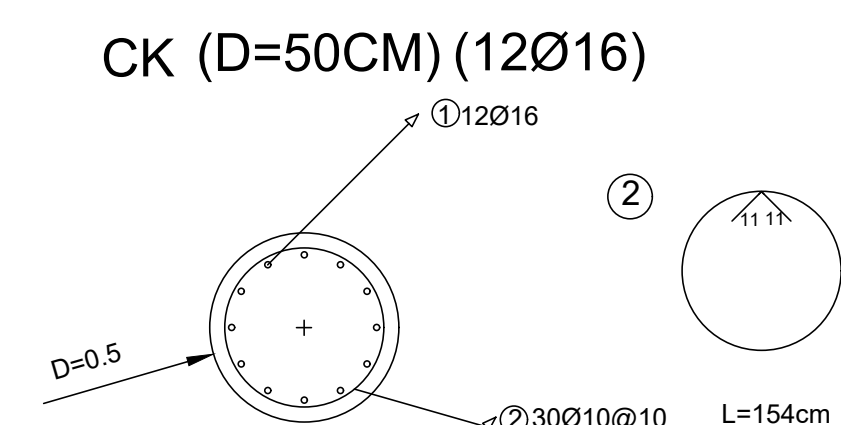
Detailing Of Columns Groupe
(CK),(CK,L) (1000–1500KN)



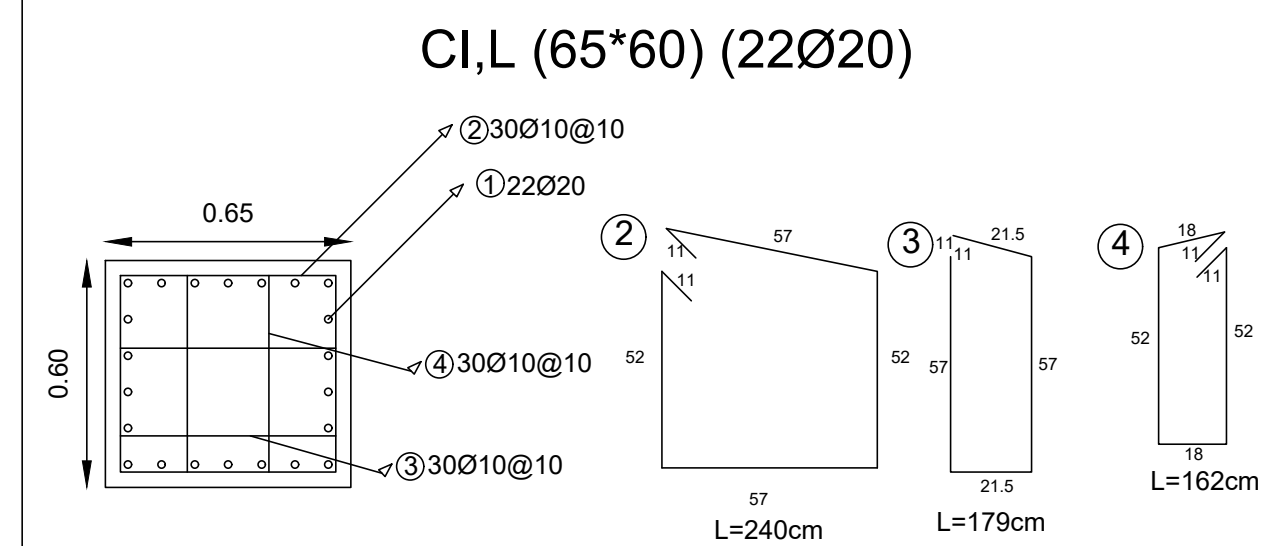
Detailing Of Columns Groupe
(CG),(CG,L) (3000–3500KN)



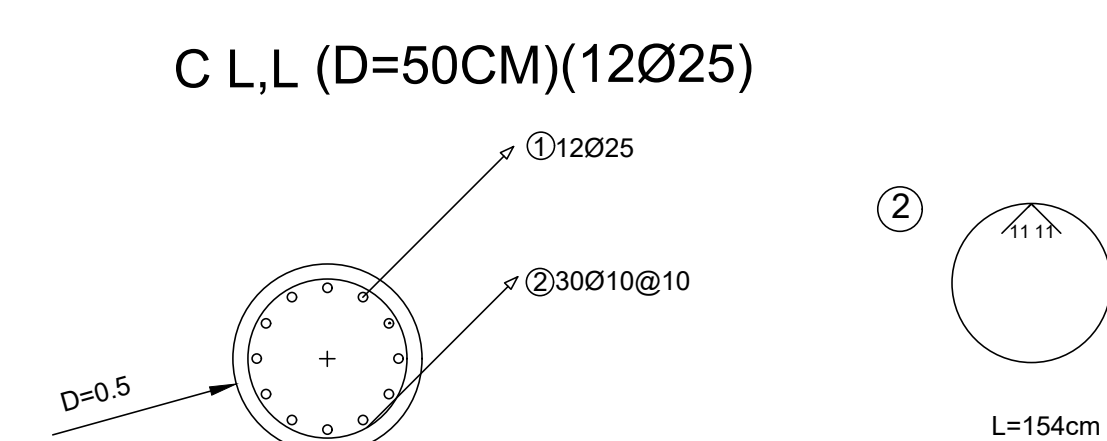
Detailing Of Columns Groupe
(CK),(CK,L) (1000–1500KN)



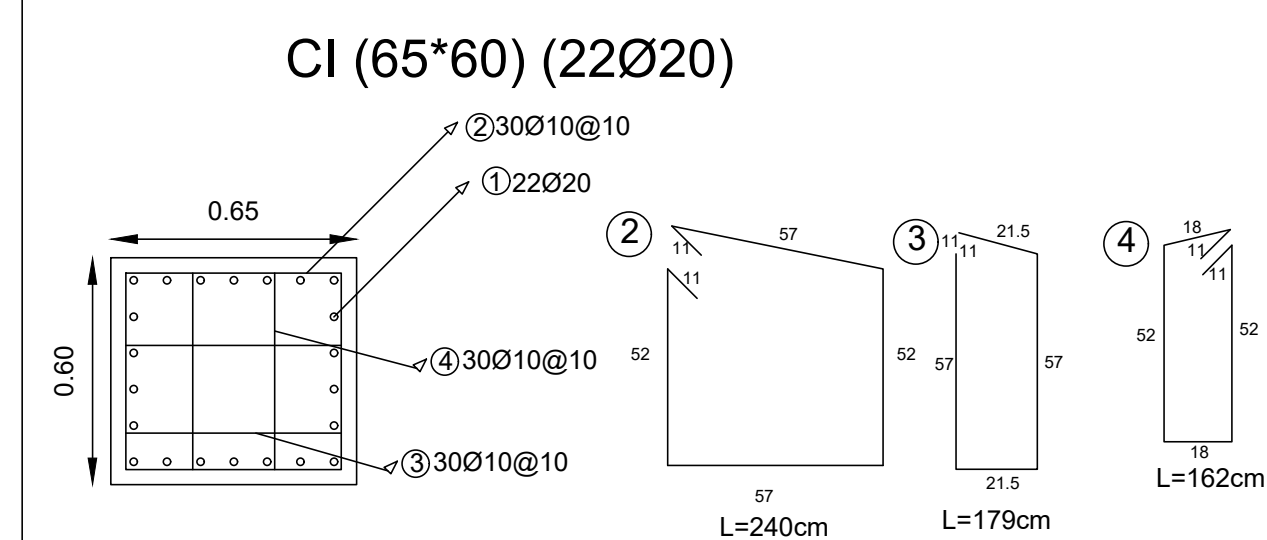
Detailing Of Columns Groupe
(CI),(CI,L) (4000–4500KN)



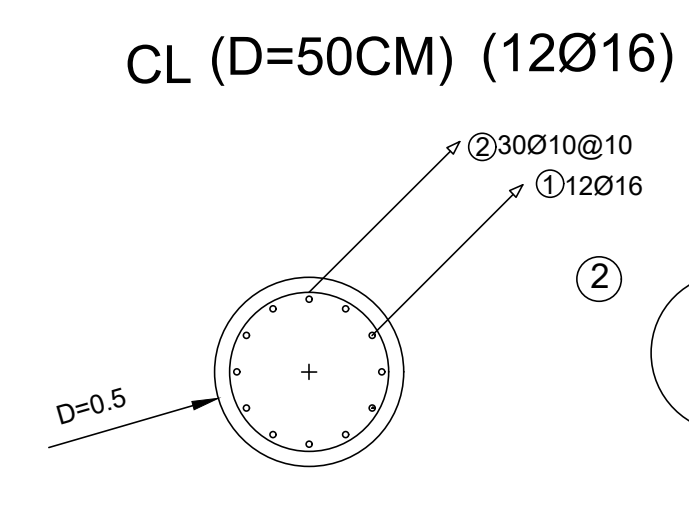
Detailing Of Columns Groupe
(CL),(CL,L) (1500–2000KN)



Detailing Of Columns Groupe
(CI),(CI,L) (4000–4500KN)



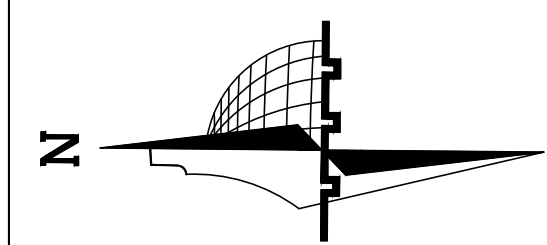
Detailing Of Columns Groupe
(CL),(CL,L) (1500–2000KN)

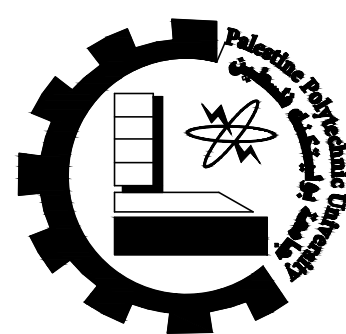


1st,2nd,3rd
,4th,Roof Floor

H=2.75m

GENERAL NOTES





Palestine Polytechnic University

Civil &Arch.Eng. Department

civil Engineering

–Supervisor:

Dr.Belal Al–Masri

–Students Name :

Ahmad Nimer
Hamza Ammar
Mahmoud Al Amleh

Graduation Project :

Structural design for a proposed building
(Al–Manar Hotel)

Sheet Title:

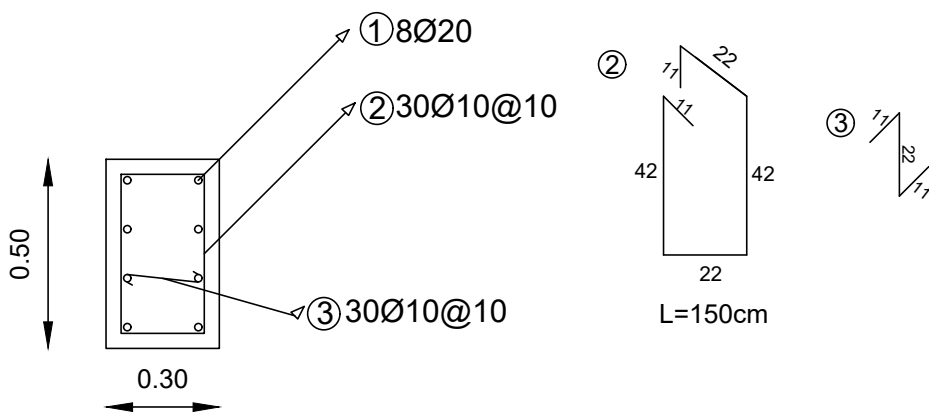
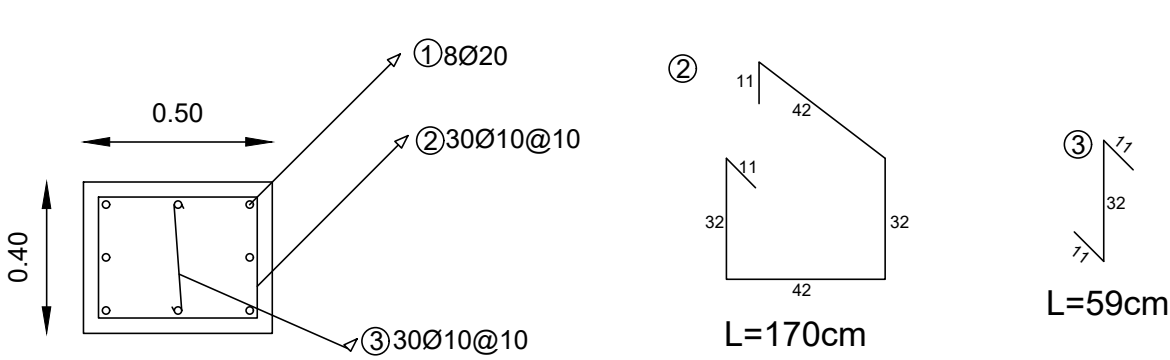
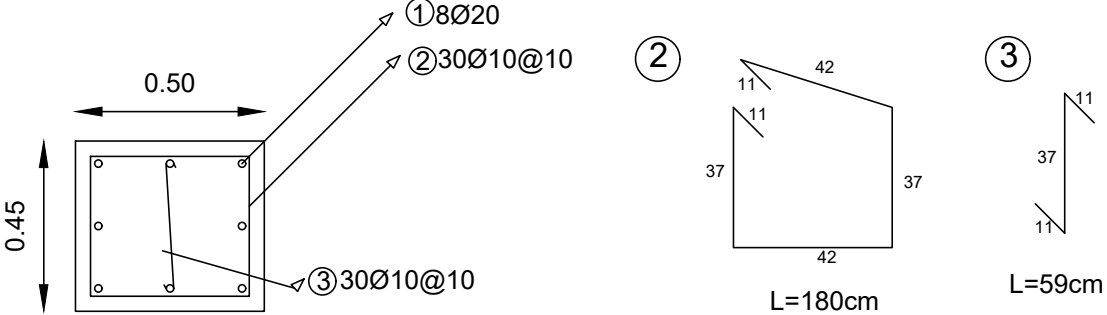
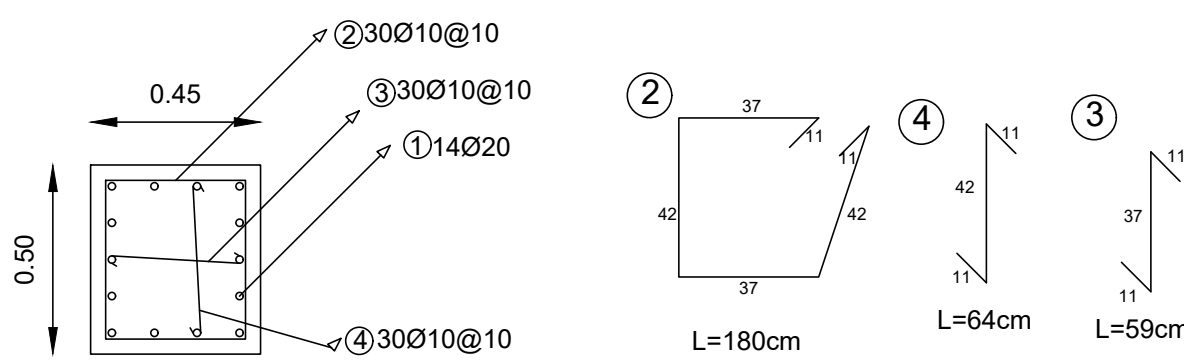
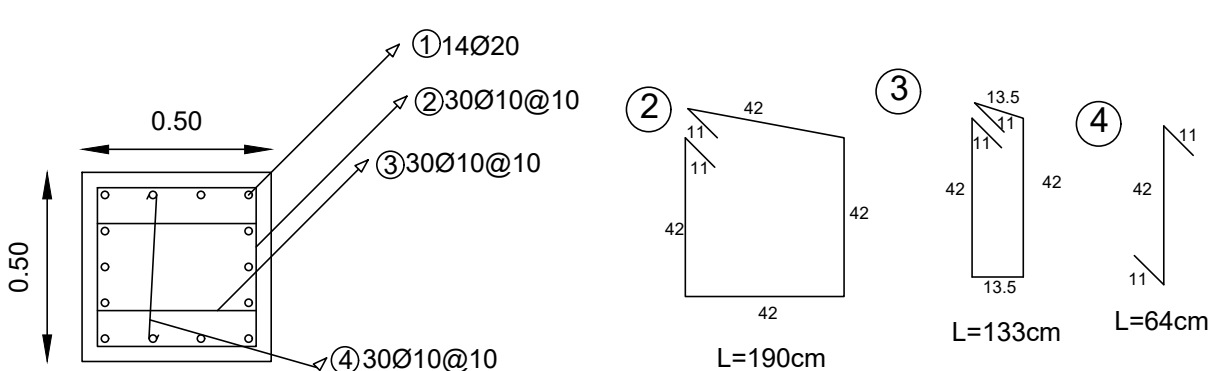
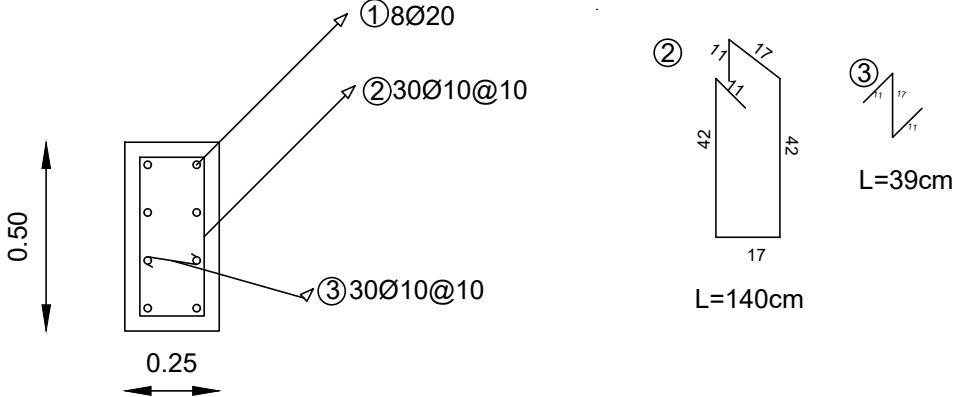
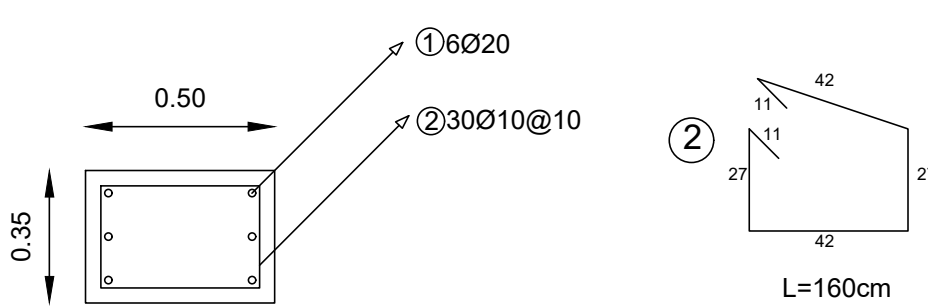
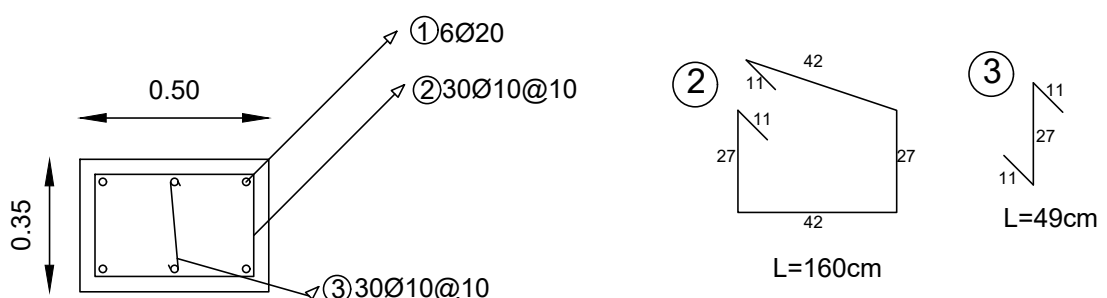
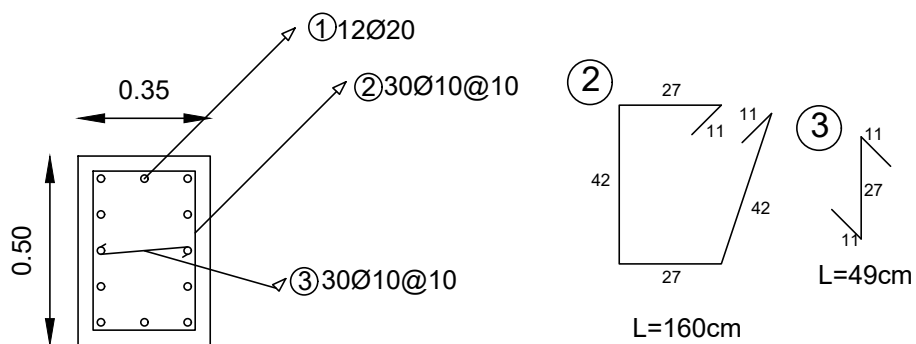
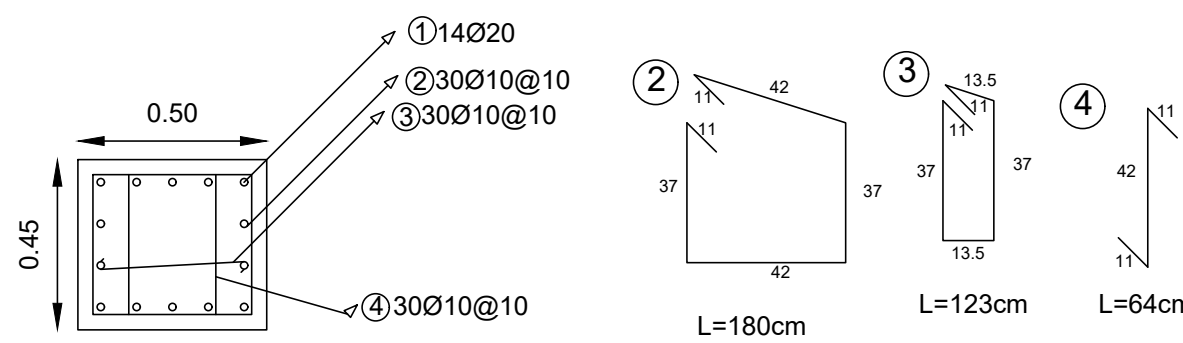
Columns Sections Drawings

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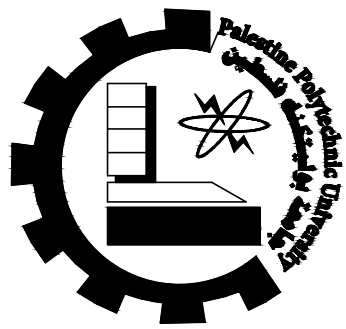
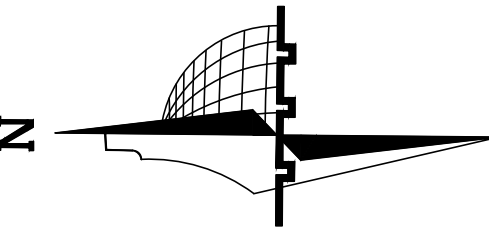
S30

Scale:

1:20

	Detailing Of Columns Groupe (CA),(CA,L) (0–500KN)	Detailing Of Columns Groupe (CB),(CB,L) (500–1000KN)	Detailing Of Columns Groupe (CC),(CC,L) (1000–1500KN)
Basement and Ground Floor H=4.1m	C A,L (30*50) (8Ø20) 	C B,L (50*40) (8Ø20) 	CC,L (50*45) (8Ø20) 
	Detailing Of Columns Groupe (CD),(CD,L) (1500–2000KN)	Detailing Of Columns Groupe (CE),(CE,L) (2000–2500KN)	
	CD,L (45*50) (14Ø20) 	CE,L (50*50) (14Ø20) 	
1st,2nd,3rd ,4th,Roof Floor H=2.75m	Detailing Of Columns Groupe (CA),(CA,L) (0–500KN)	Detailing Of Columns Groupe (CB),(CB,L) (500–1000KN)	Detailing Of Columns Groupe (CC),(CC,L) (1000–1500KN)
	C A (25*50) (8Ø20) 	C B (50*35) (6Ø20) 	C C (50*35) (6Ø20) 
	Detailing Of Columns Groupe (CD),(CD,L) (1500–2000KN)	Detailing Of Columns Groupe (CE),(CE,L) (2000–2500KN)	
	CD (35*50) (12Ø20) 	CE (50*45) (14Ø20) 	

GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

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–Students Name :

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Mahmoud Al Amleh

Graduation Project :

Structural design for a
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(Al-Manar Hotel)

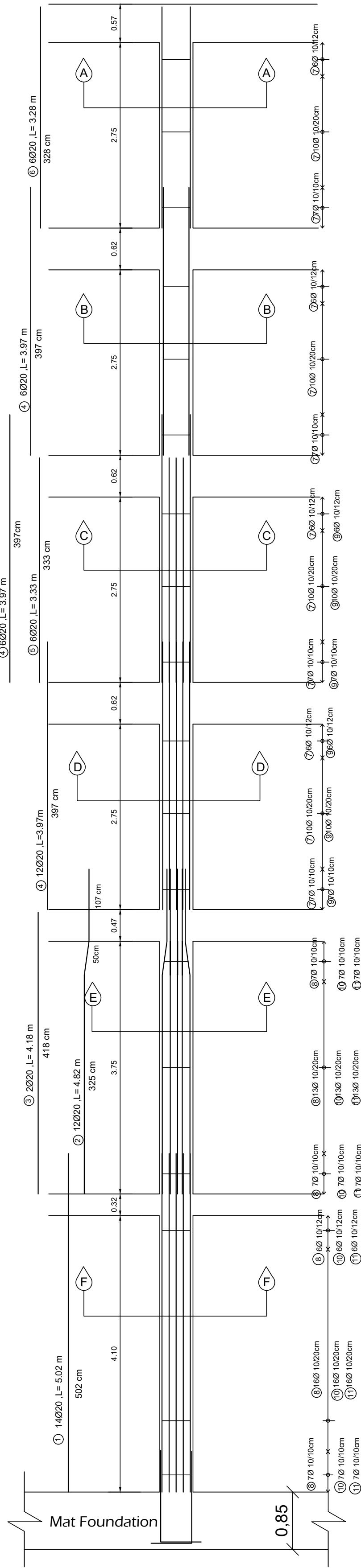
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Group CD Section
Drawing

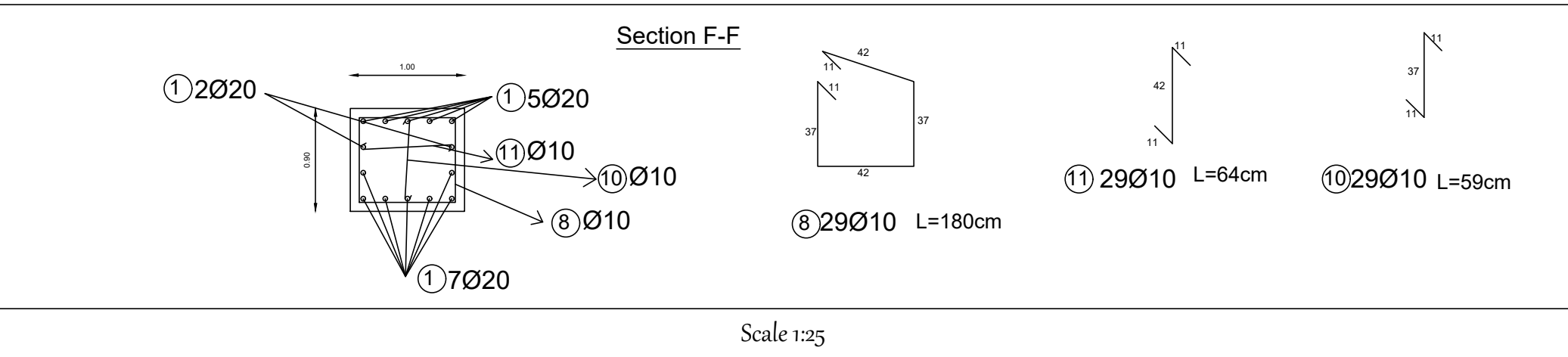
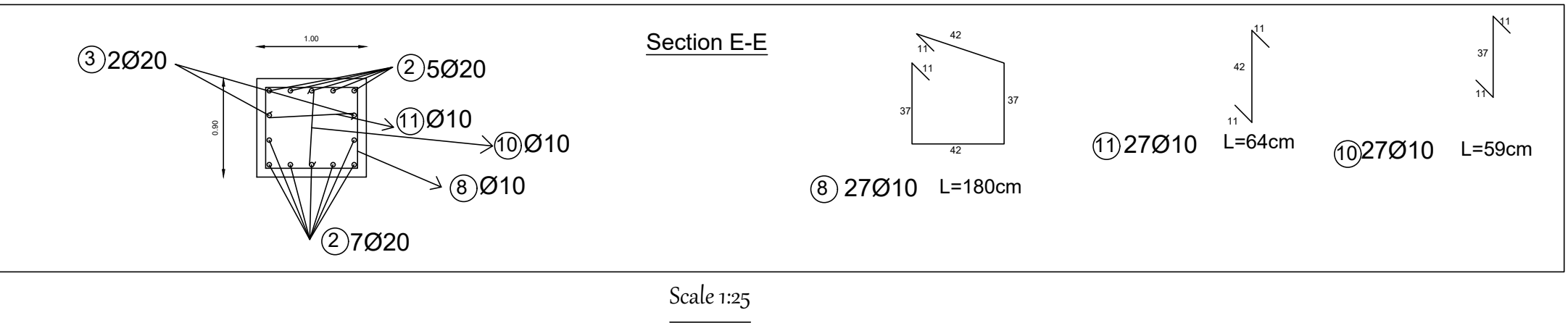
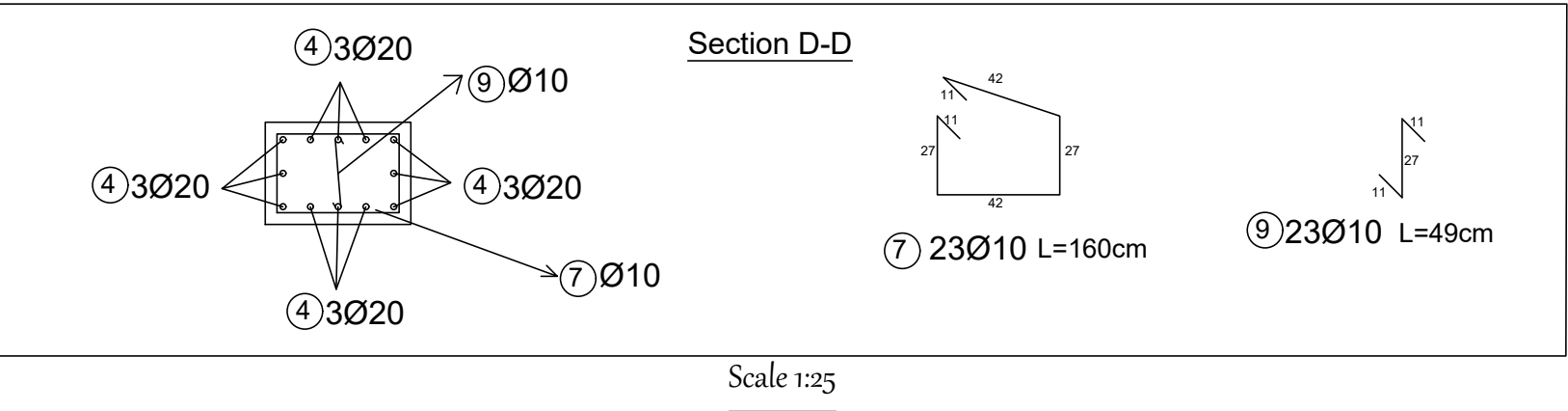
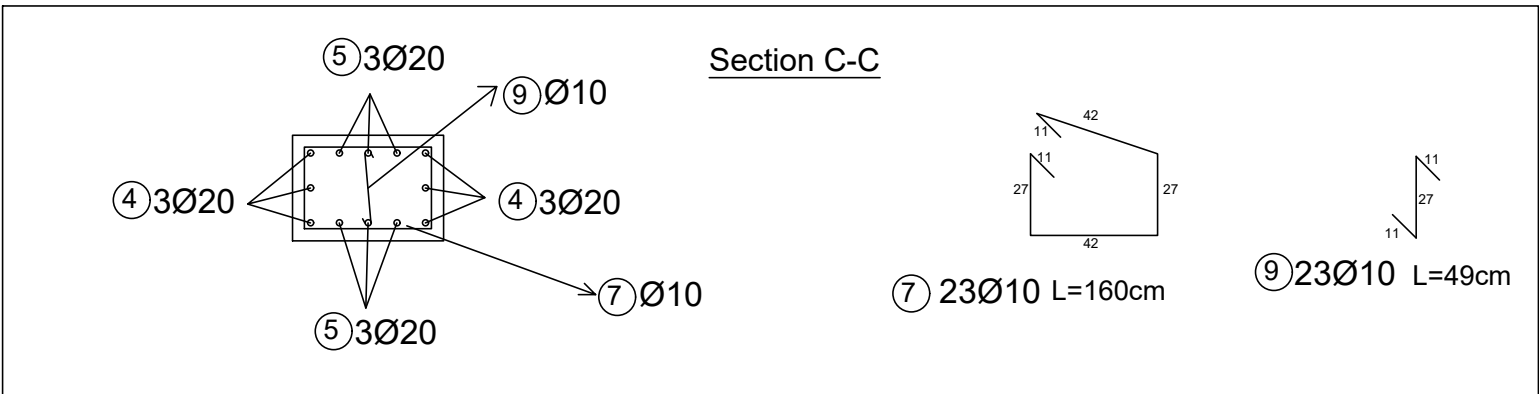
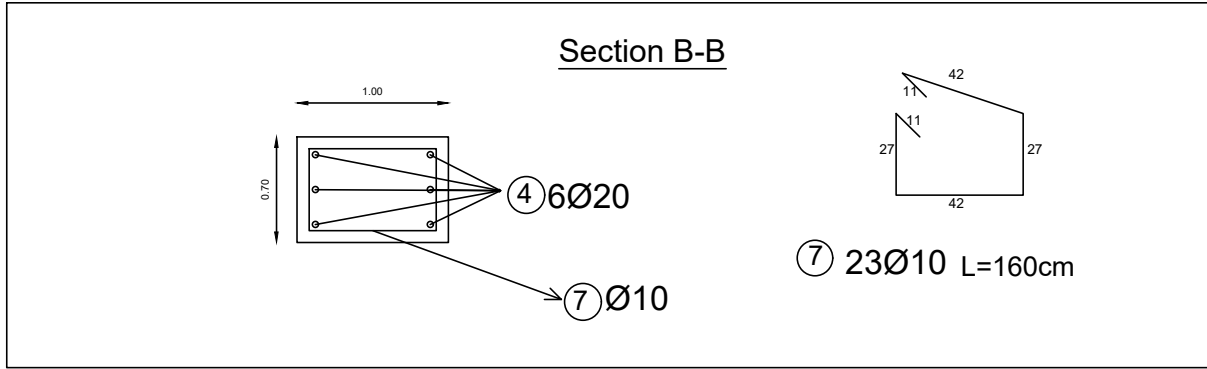
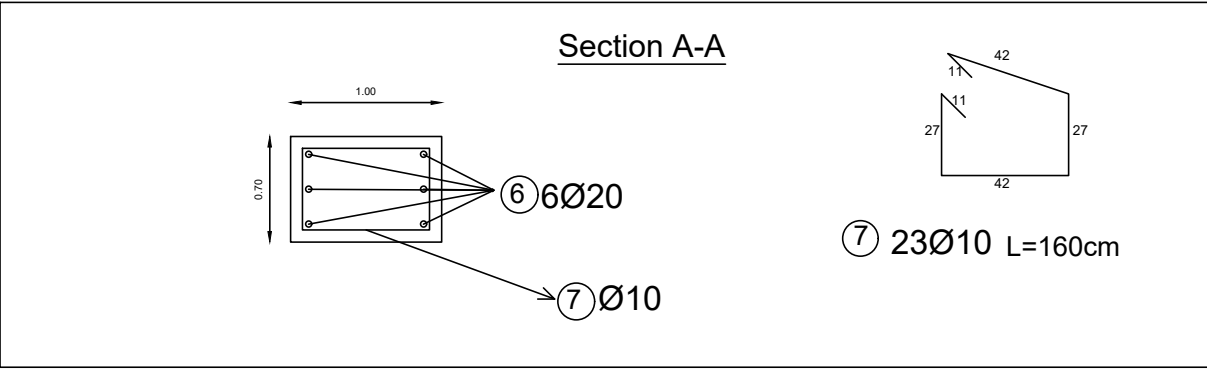
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531

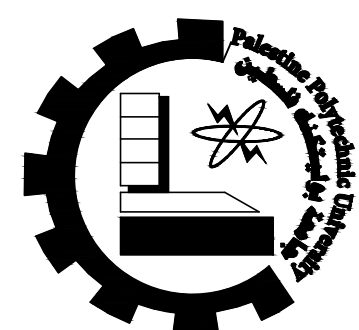
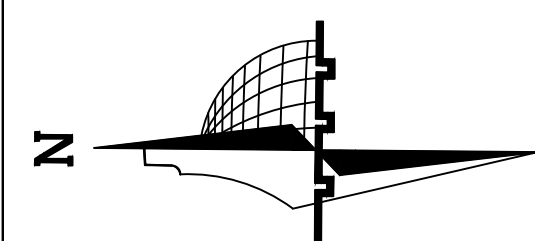
Scale: 1:50



Elevation of Column CD



GENERAL NOTES



Palestine Polytechnic
University

Civil &Arch.Eng.
Department

civil Engineering

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Mahmoud Al Amleh

Graduation Project :

Structural design for a
proposed building
(Al–Manar Hotel)

Sheet Title:

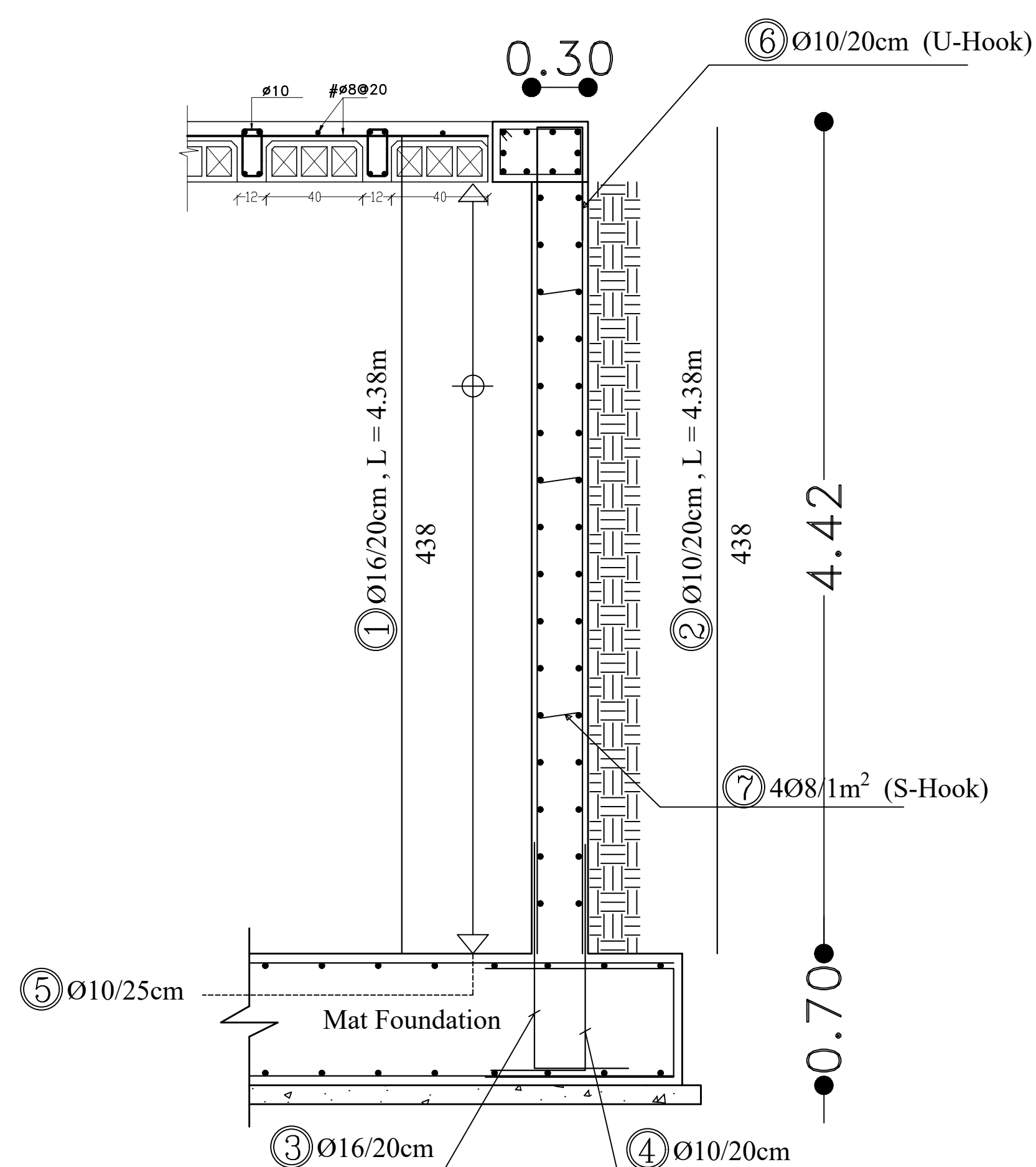
Basement Wall Drawing

Sheet:

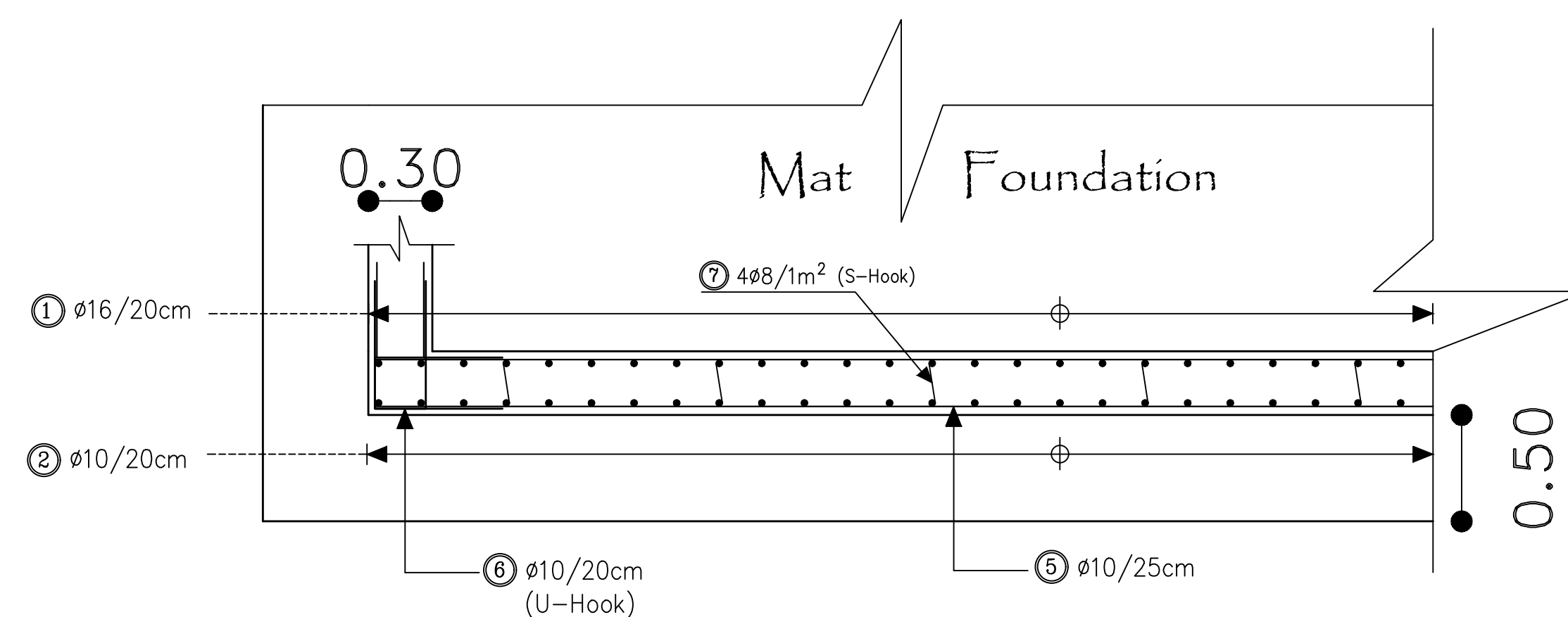
S32

Scale: 1:25

Section(A-A)
B.W



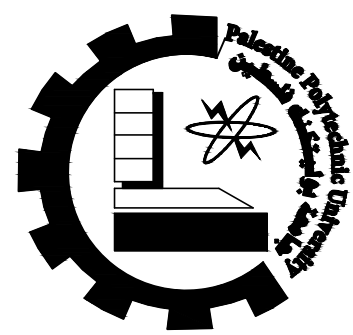
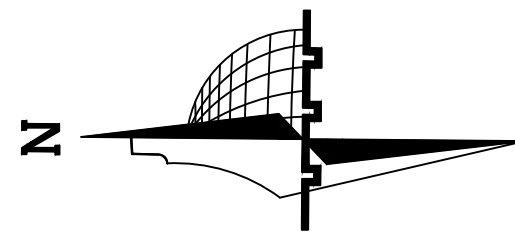
Top View Of B.W



Steel
Details

① Ø16/20cm , L=4.38m	② Ø10/20cm , L=4.38m	③ Ø16/20cm , L=1.7m
438	438	120 50
④ Ø10/20cm , L=1.7m	⑤ Ø10/25cm , L=Along the Wall	⑥ Ø10/20cm , L=1.44m (U–Hook)
120 50	L=Along the Wall	60 24 60
⑦ 4Ø8/1m² , L=0.44m (S–Hook)		
10 24 10		

GENERAL NOTES



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(Al-Manar Hotel)

Sheet Title:

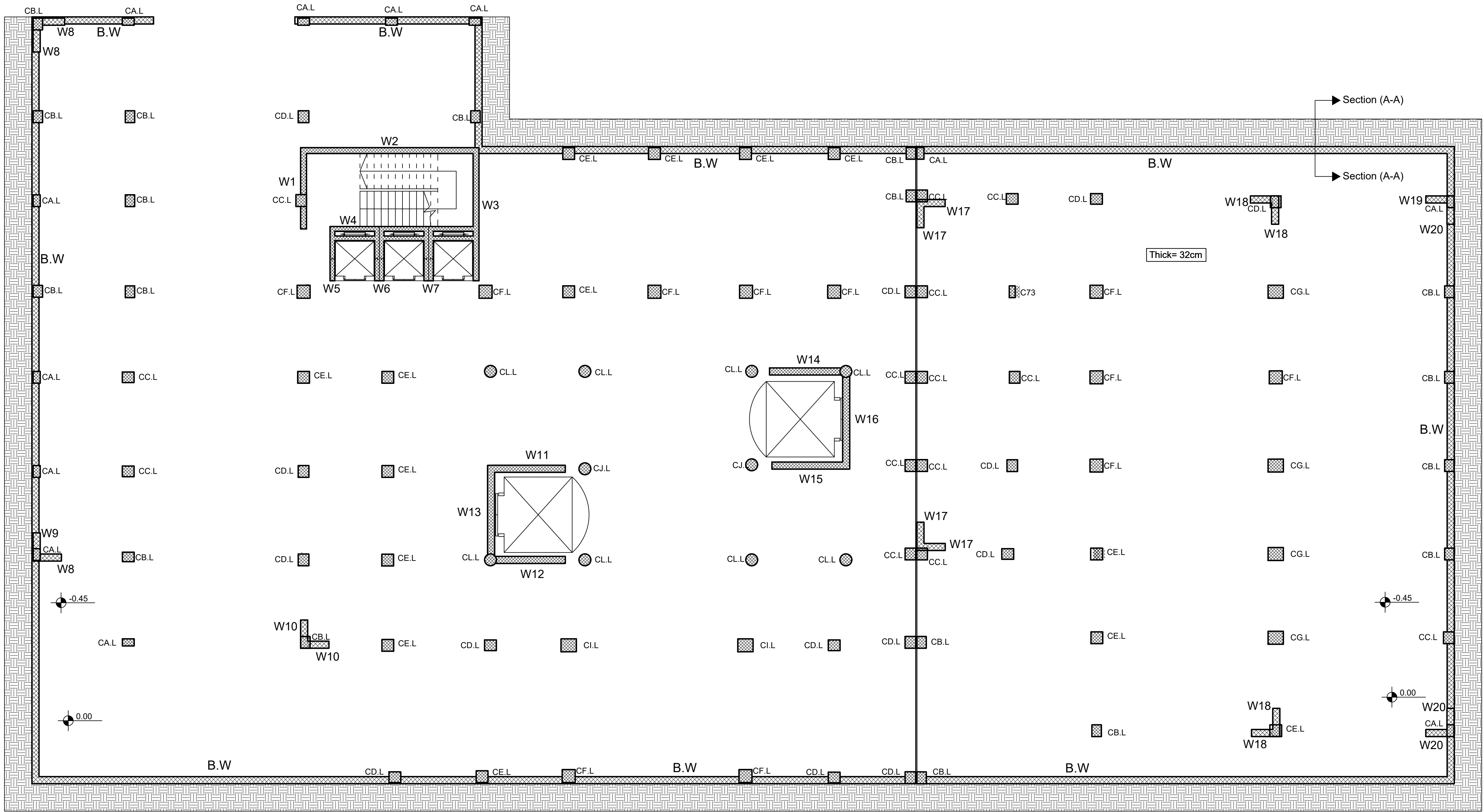
Basement Plan
Walls Plan

Sheet:

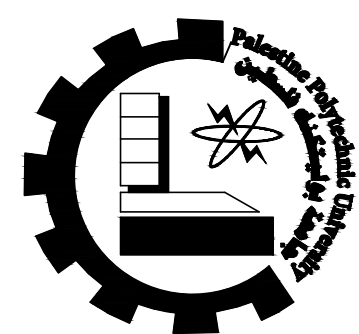
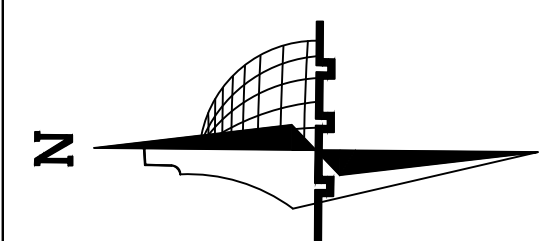
S33

Scale: 1:100

Shear Walls Plan



GENERAL NOTES



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Mahmoud Al Amleh

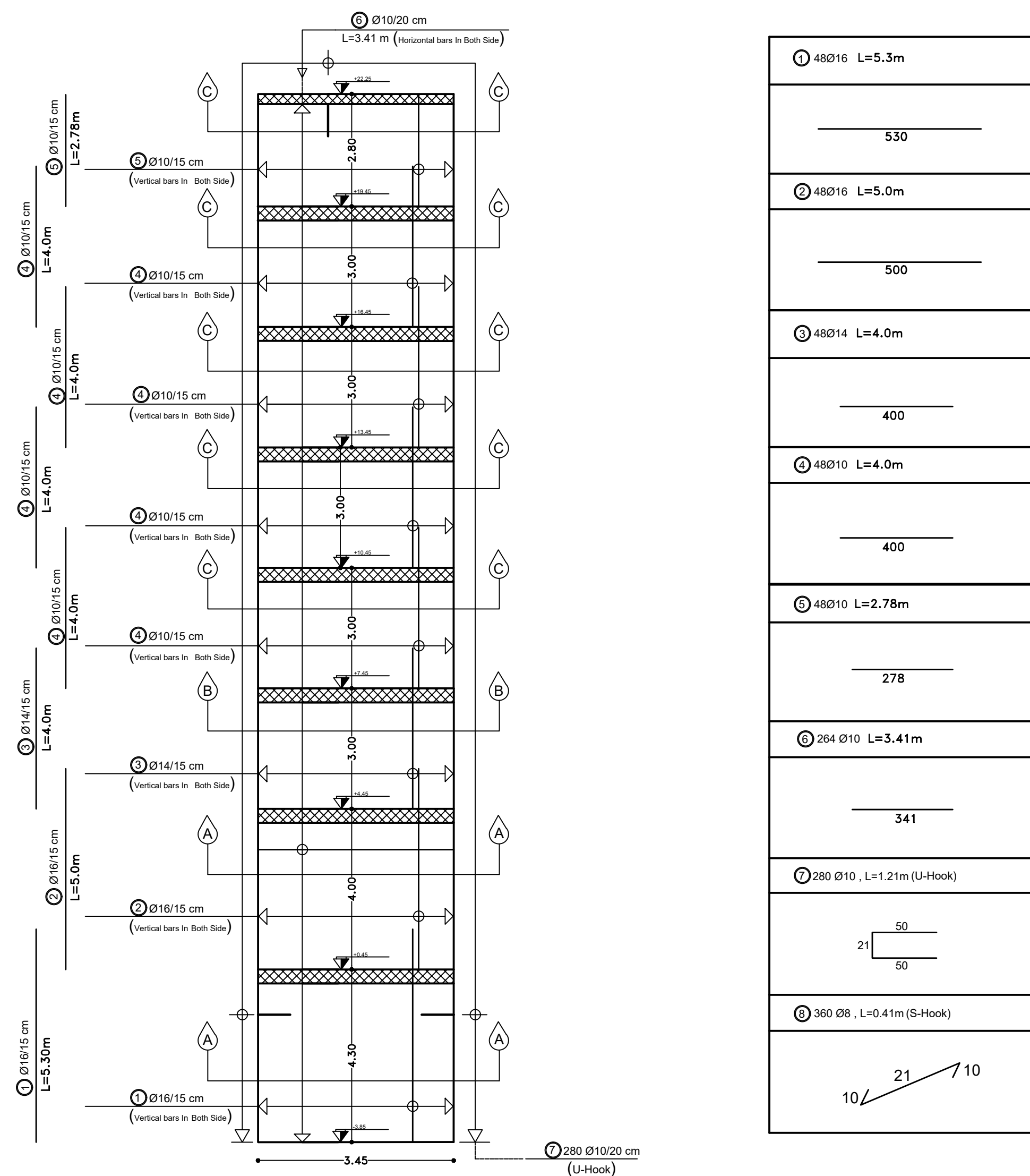
Graduation Project :
Structural design for a
proposed building
(Al–Manar Hotel)

Sheet Title:
Shear Wall
Drawings

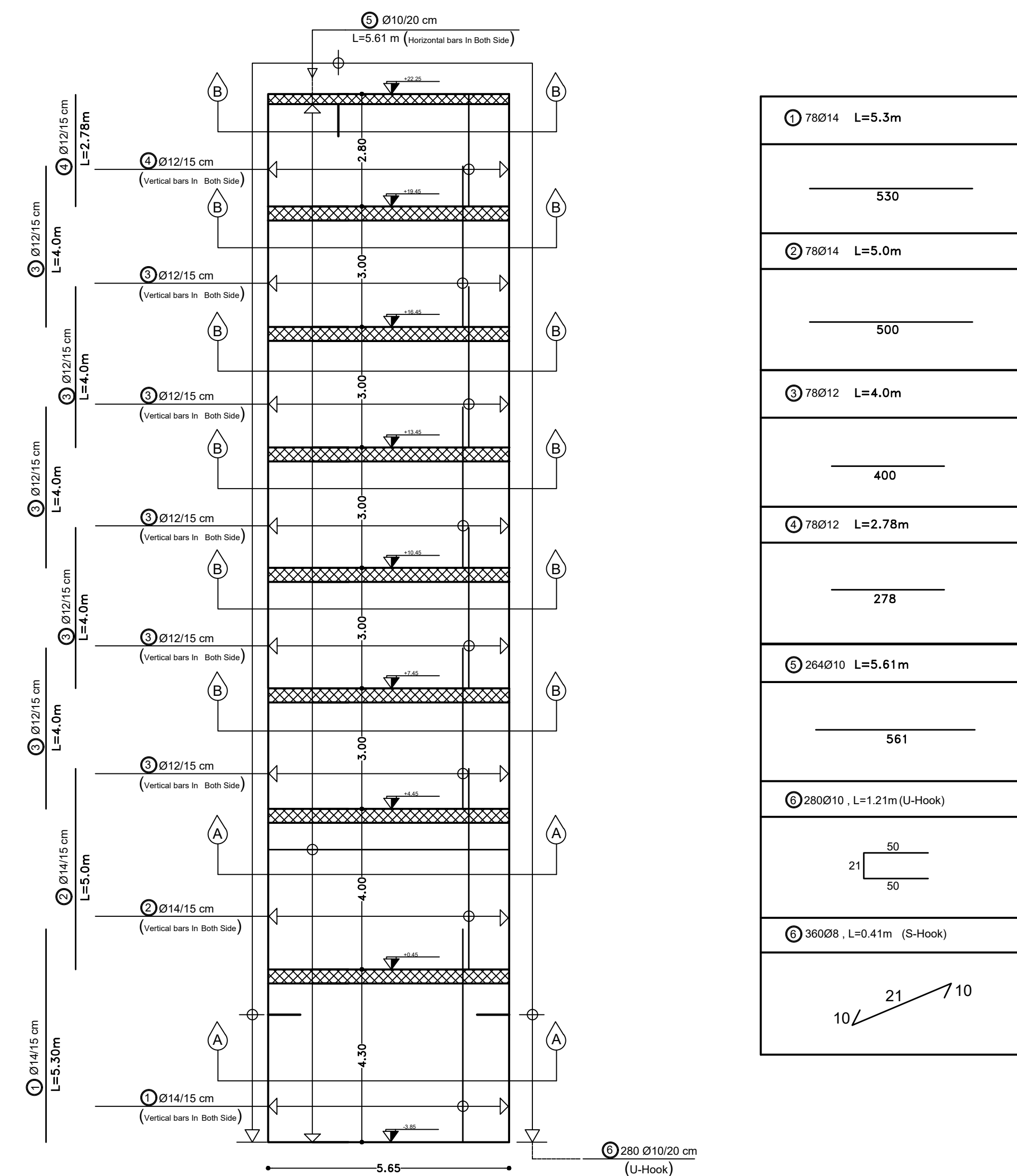
Sheet:
S34

Scale: 1:100

Detail of W₁



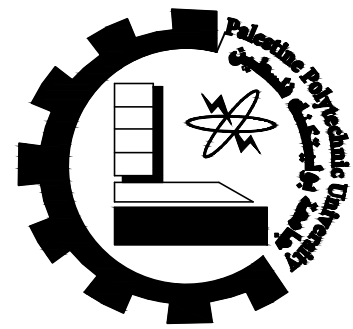
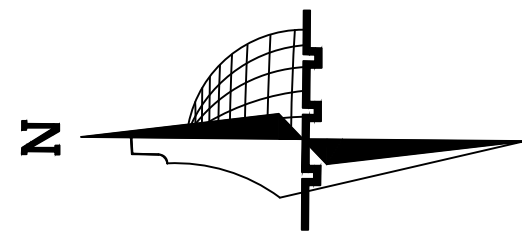
Detail of W₃



Section(C-C) Scale:1/100	
Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

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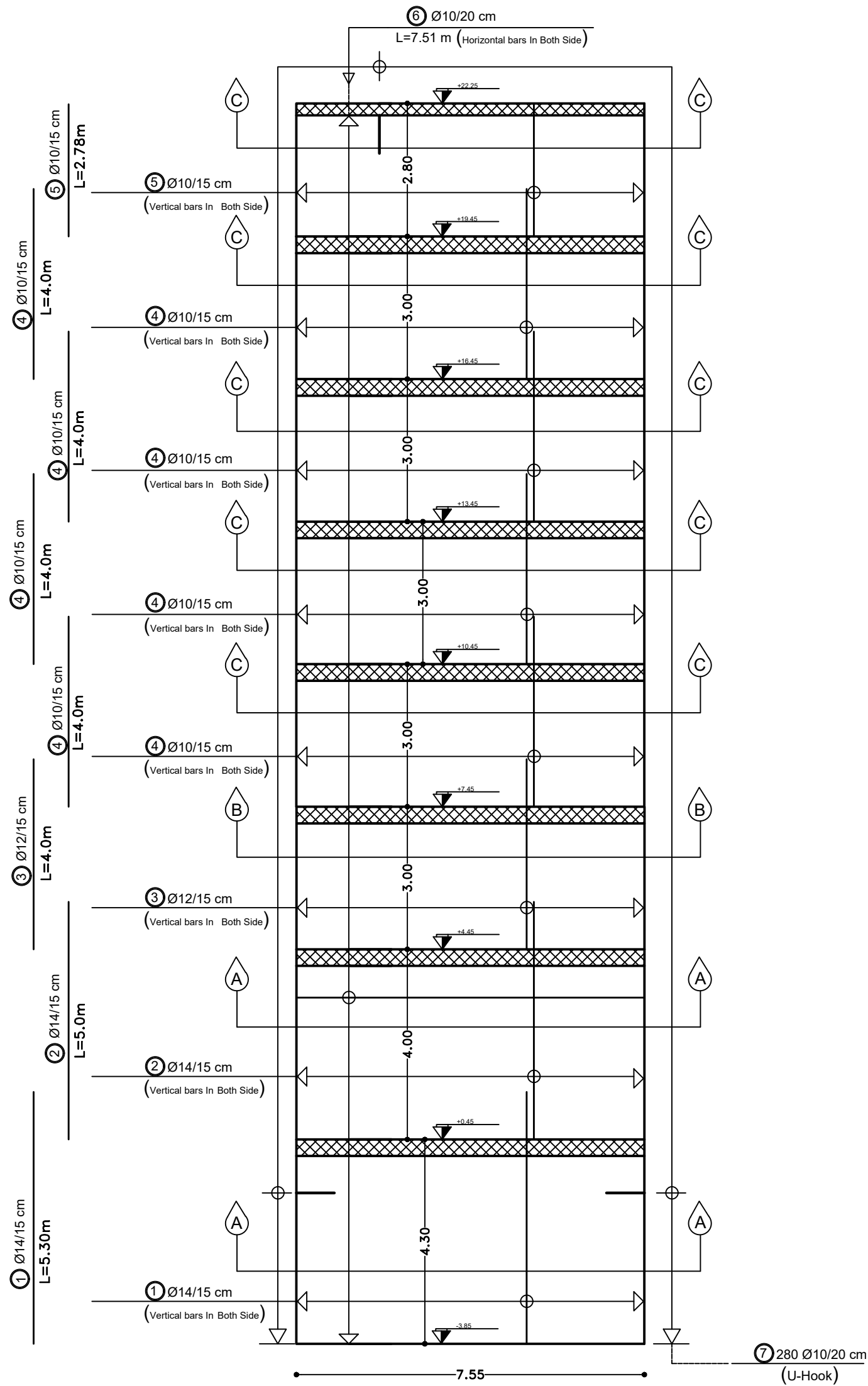
Shear Wall
Drawings

Sheet:

S35

Scale: 1:100

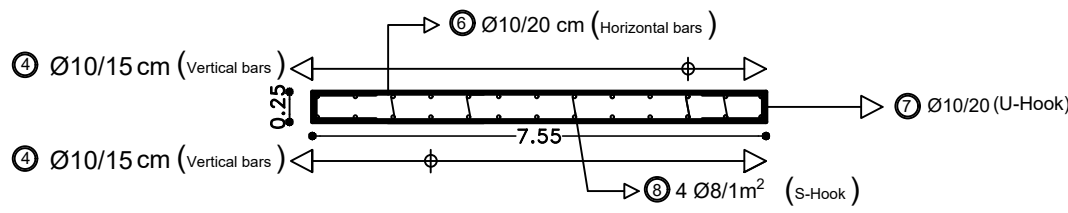
Detail of W2



104Ø14 L=5.3m
530
104Ø14 L=5.0m
500
104Ø12 L=4.0m
400
104Ø10 L=4.0m
400
104Ø10 L=2.78m
278
264 Ø10 L=7.51m
751
280 Ø10 , L=1.21m (U-Hook)
21 50 50
360 Ø8 , L=0.41m (S-Hook)
10 21 7 10

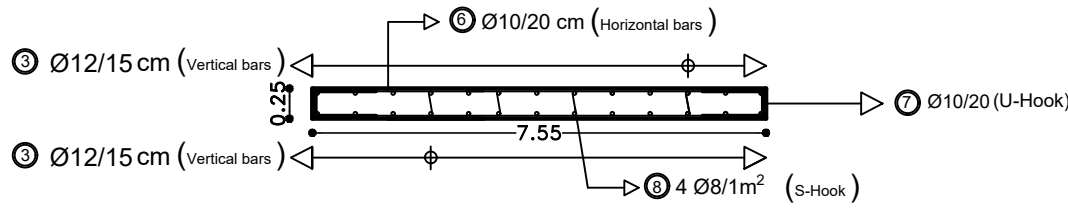
Section(C-C)

Scale:1/100



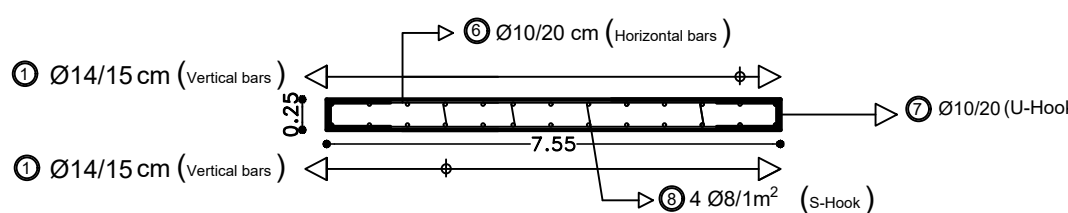
Section(B-B)

Scale:1/100

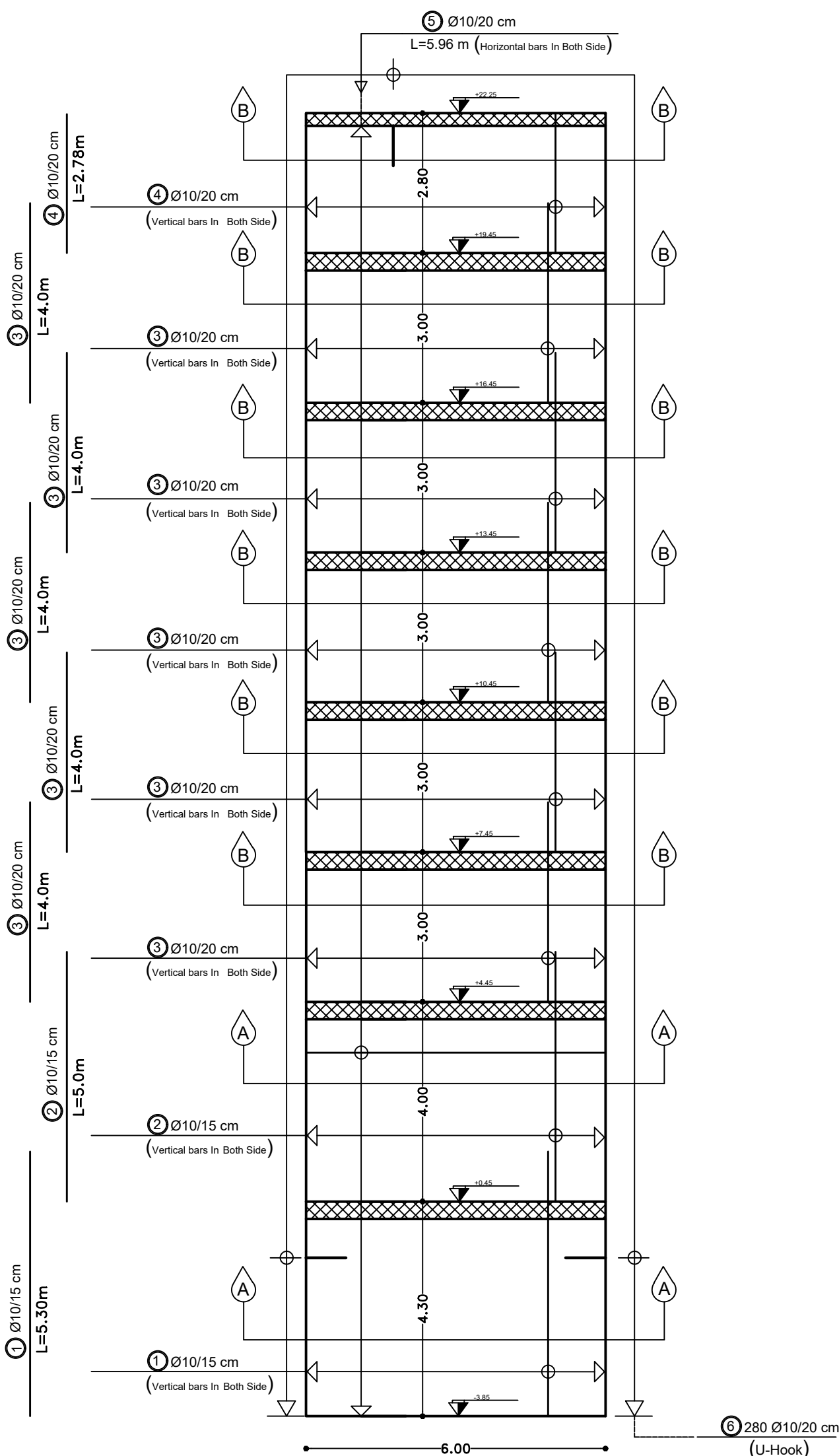


Section(A-A)

Scale:1/100



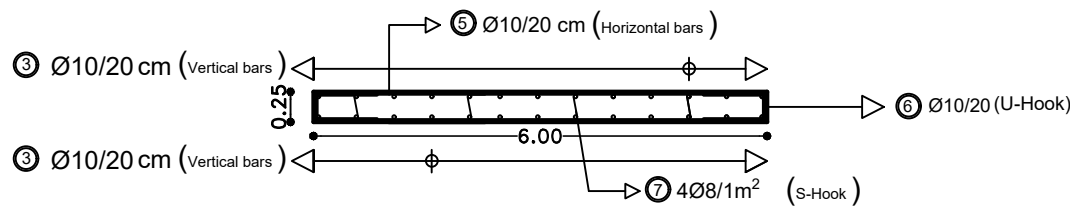
Detail of W4



82 Ø10 L=5.3m
530
82 Ø10 L=5.0m
500
63 Ø10 L=4.0m
400
62 Ø10 L=2.78m
278
264 Ø10 L=5.96m
596
280Ø10 , L=1.21m (U-Hook)
21 50 50
360Ø8 , L=0.41m (S-Hook)
10 21 7 10

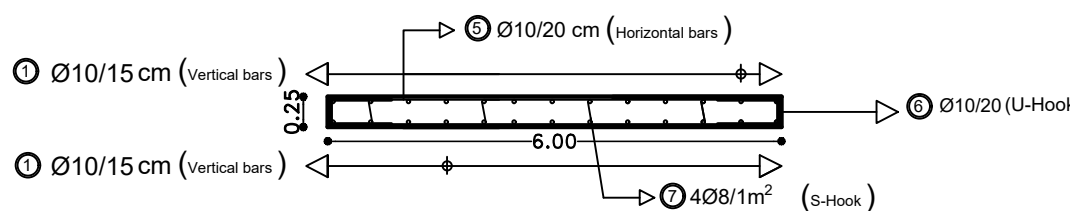
Section(B-B)

Scale:1/100

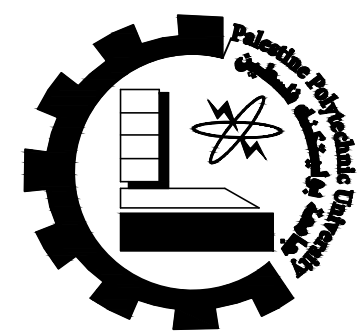
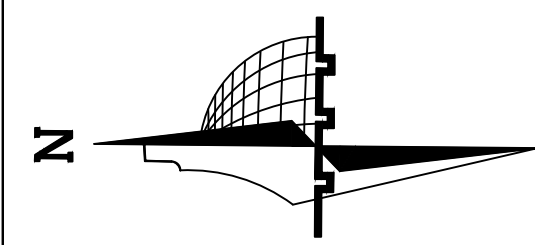


Section(A-A)

Scale:1/100



GENERAL NOTES



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Sheet Title:

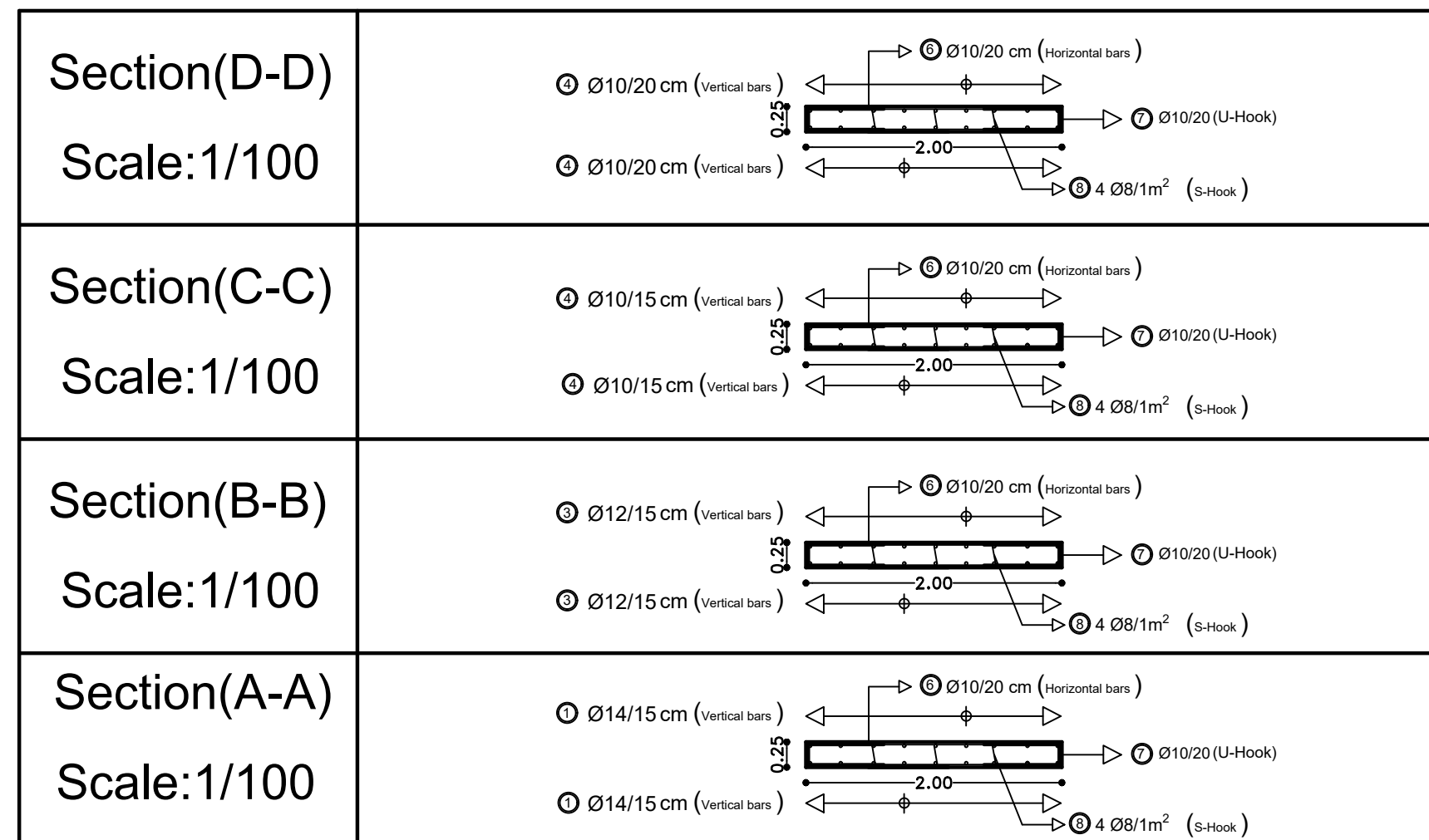
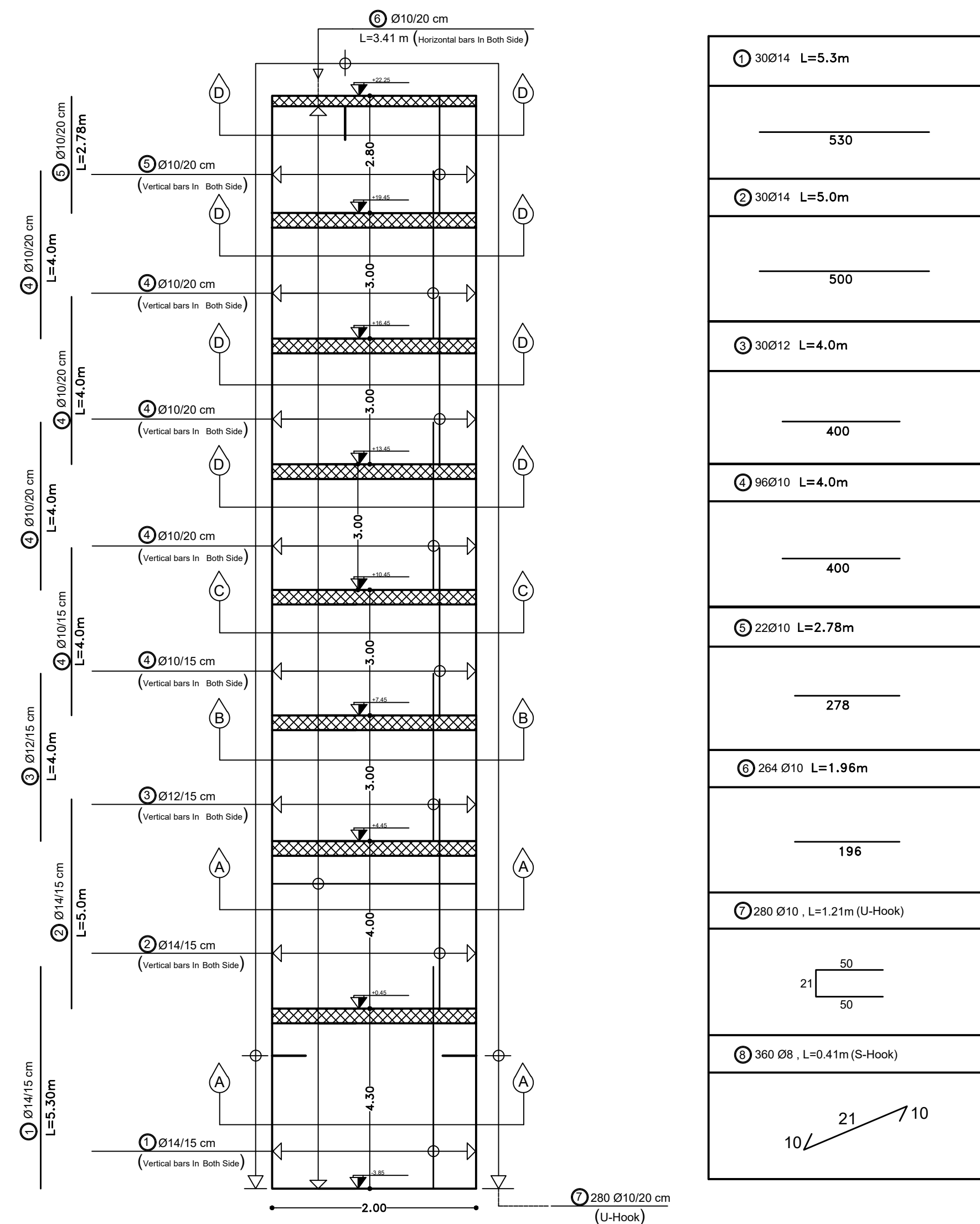
Shear Wall
Drawings

Sheet:

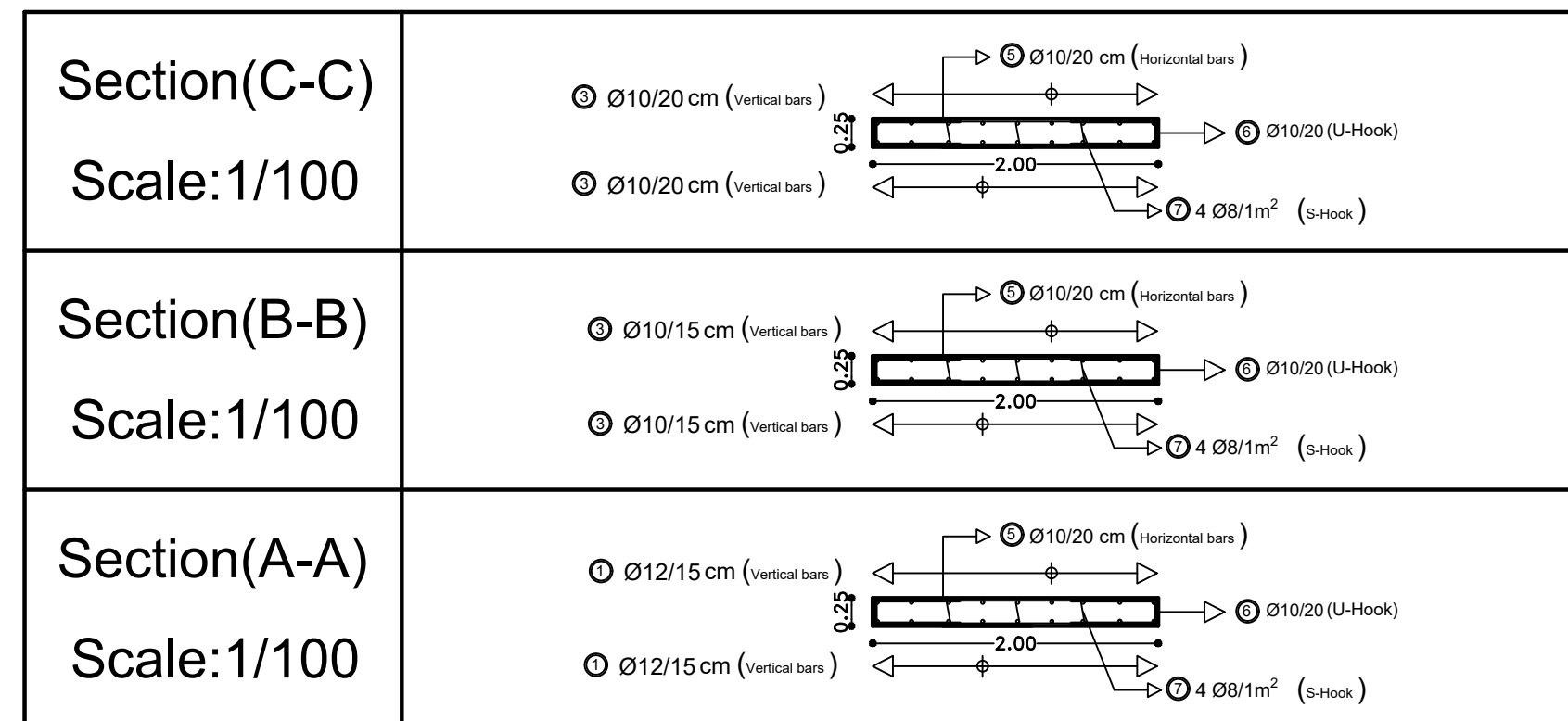
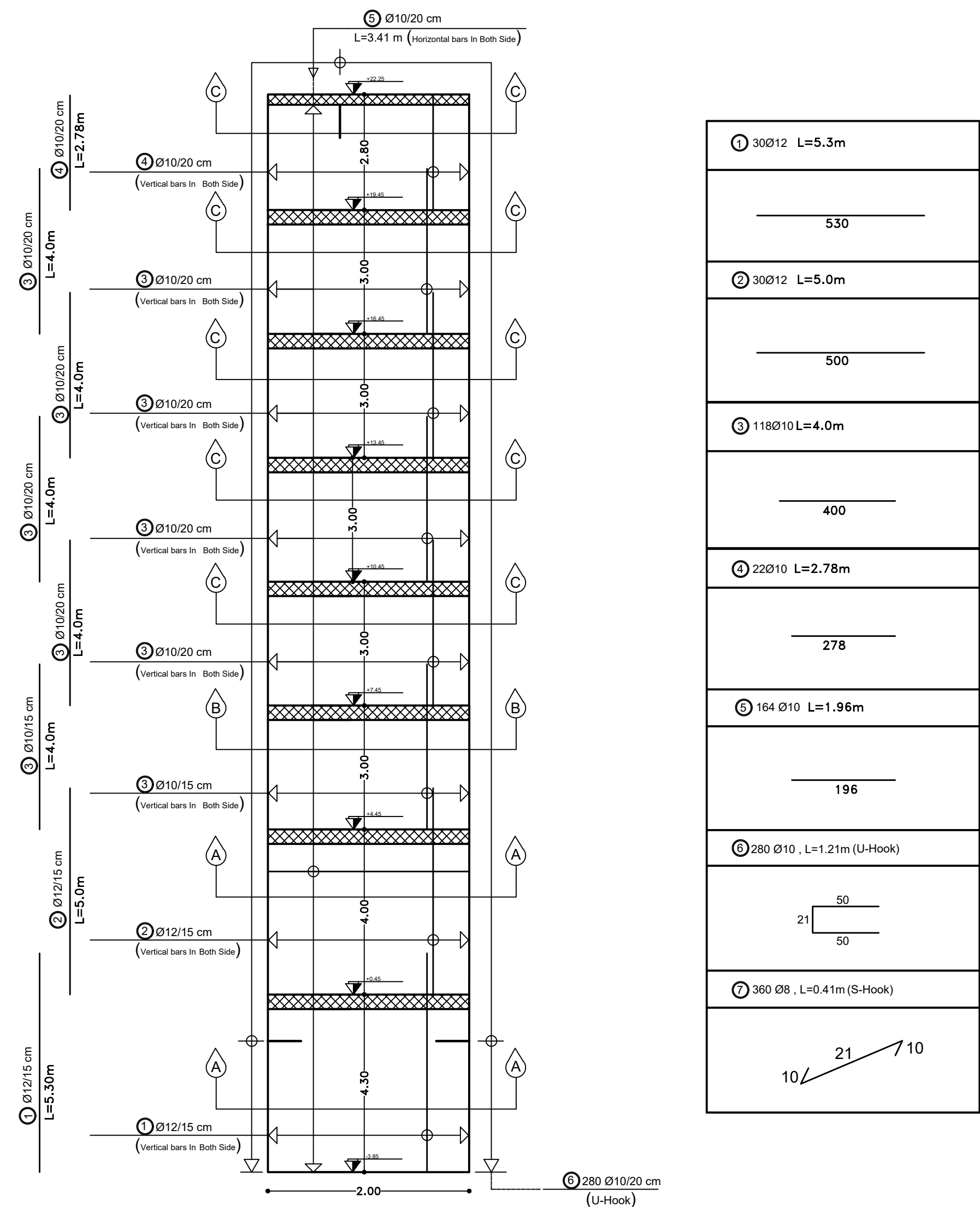
536

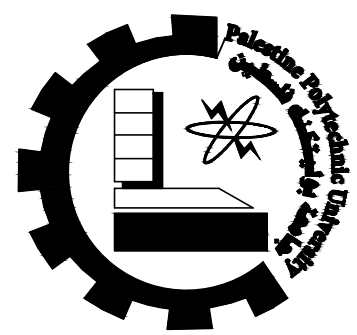
Scale: 1:100

Detail of W5



Detail of W6





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Sheet Title:

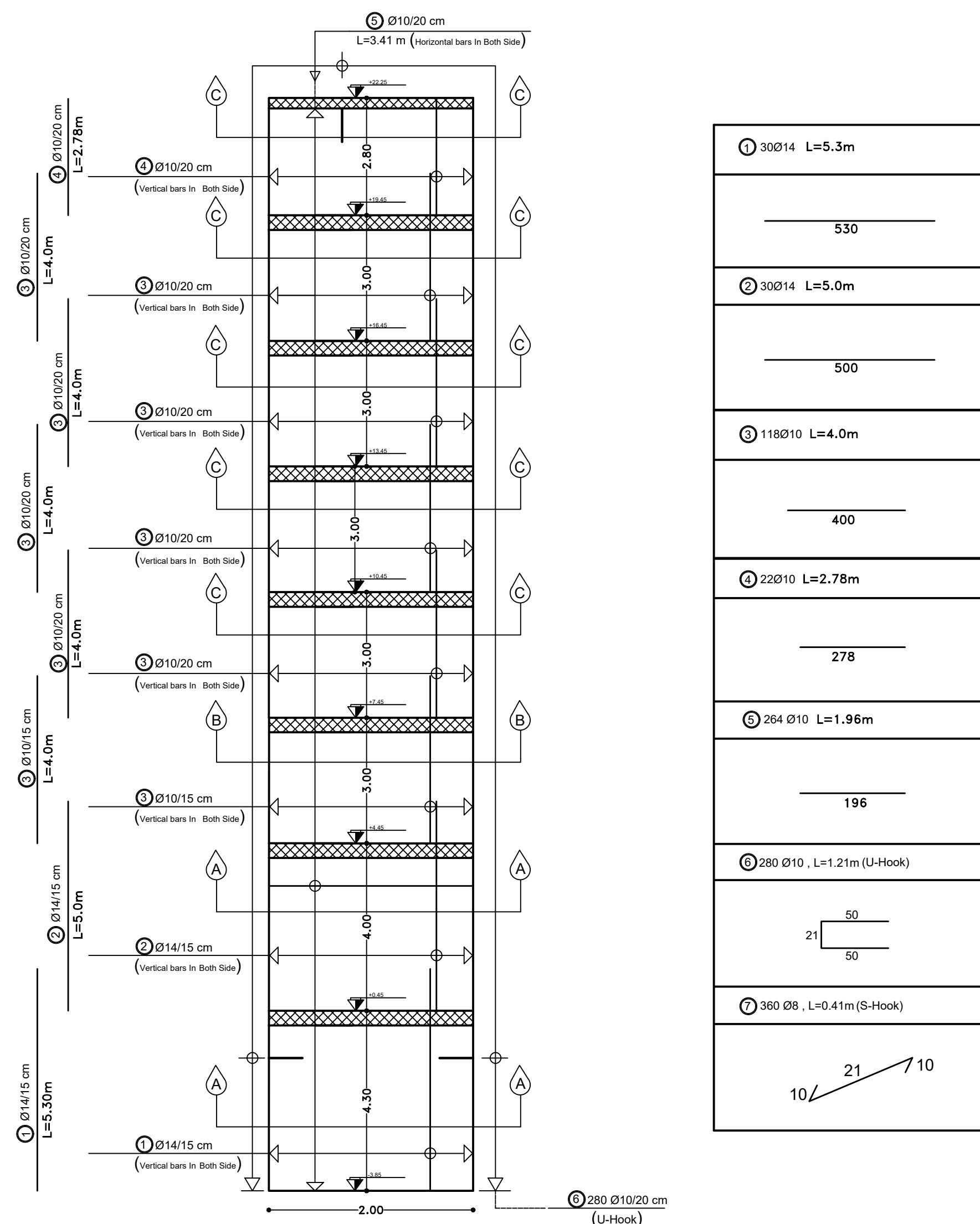
Shear Wall Drawings

Sheet:

\$37

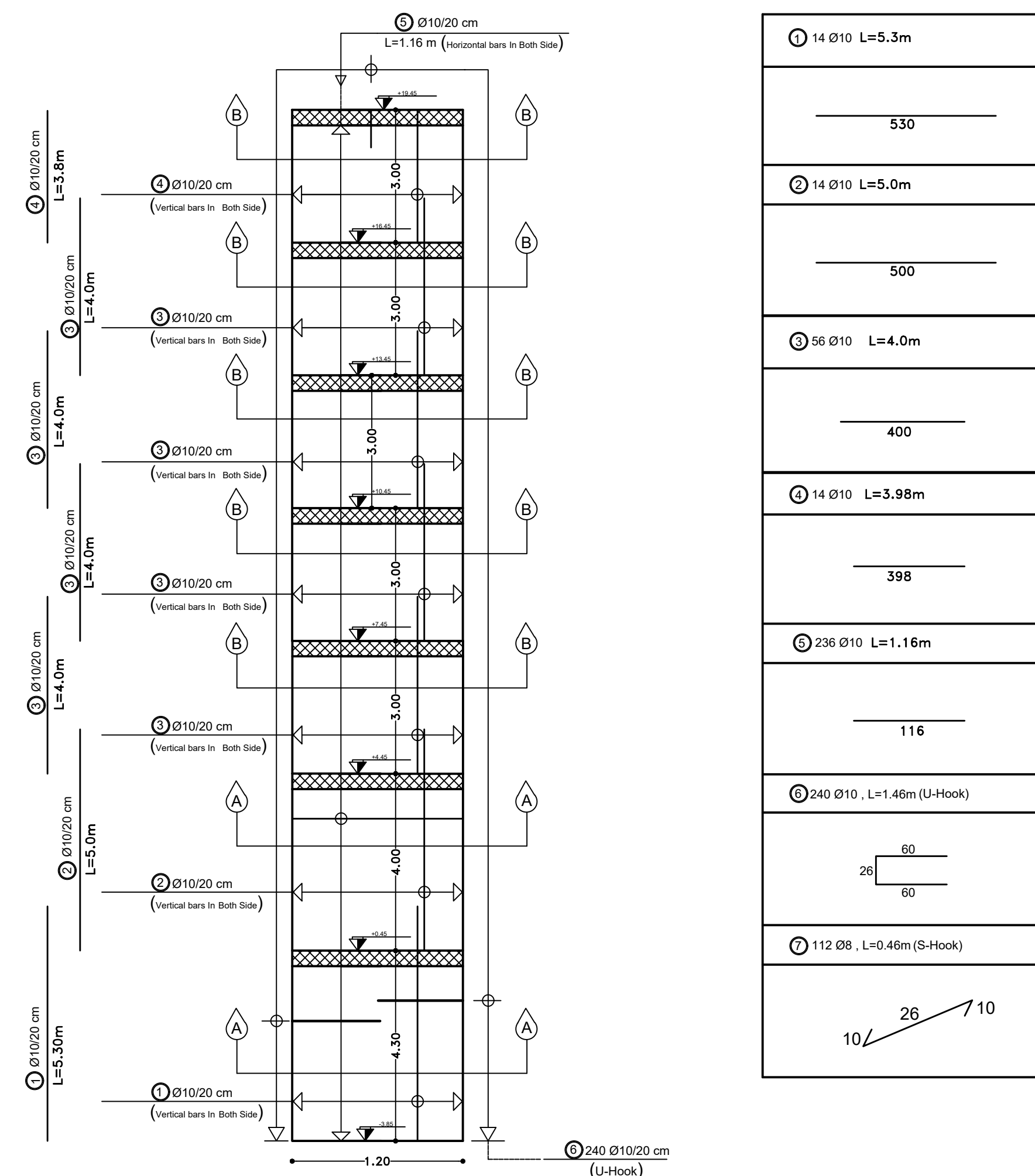
Scale: $1:100$

Detail of W7



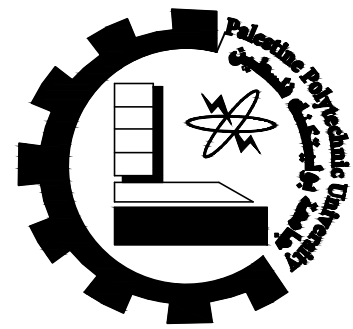
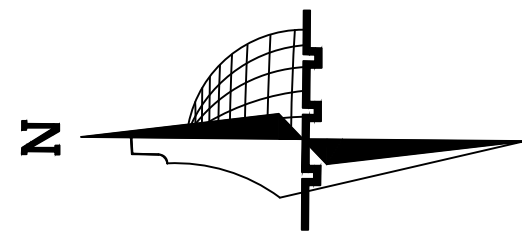
Section(C-C) Scale:1/100	Ø10/20 cm (vertical bars) Ø10/20 cm (horizontal bars) 0.25 2.00 Ø10/20 (U-Hook) 4 Ø8/1m² (S-Hook)
Section(B-B) Scale:1/100	Ø10/15 cm (vertical bars) Ø10/20 cm (horizontal bars) 0.25 2.00 Ø10/20 (U-Hook) 4 Ø8/1m² (S-Hook)
Section(A-A) Scale:1/100	Ø14/15 cm (vertical bars) Ø10/20 cm (horizontal bars) 0.25 2.00 Ø10/20 (U-Hook) 4 Ø8/1m² (S-Hook)

Detail of W10



Section(B-B) Scale:1/100	$\odot$ Ø10/20 cm (Vertical bars) $\odot$ Ø10/20 cm (Horizontal bars) $\odot$ Ø10/20 cm (U-Hook) $\odot$ 4 Ø8/1m² (S.Hook)
Section(A-A) Scale:1/100	$\odot$ Ø10/20 cm (Vertical bars) $\odot$ Ø10/20 cm (Horizontal bars) $\odot$ Ø10/20 cm (U-Hook) $\odot$ 4 Ø8/1m² (S.Hook)

GENERAL NOTES



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Sheet Title:

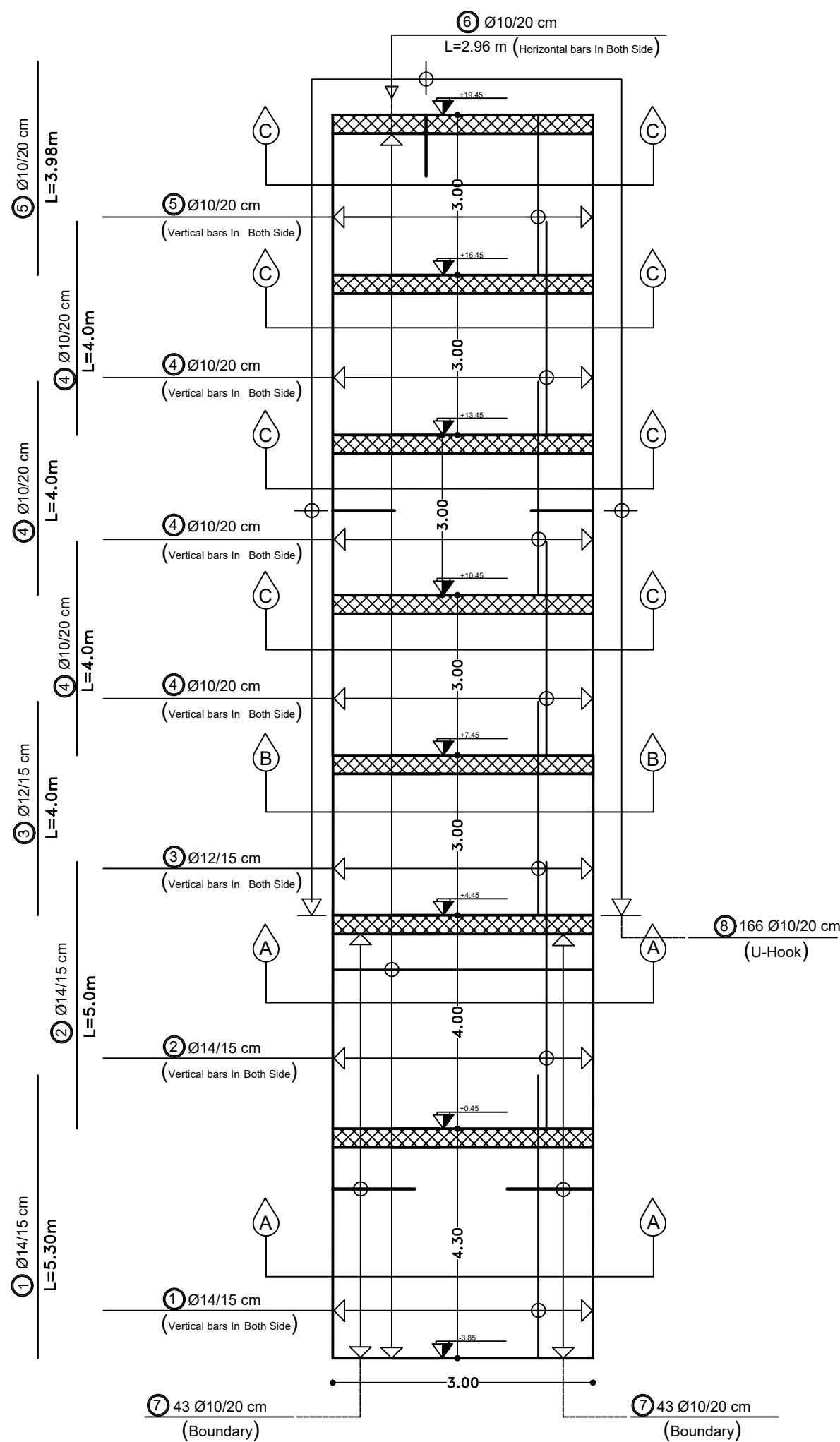
Shear Wall
Drawings

Sheet:

S38

Scale: 1:100

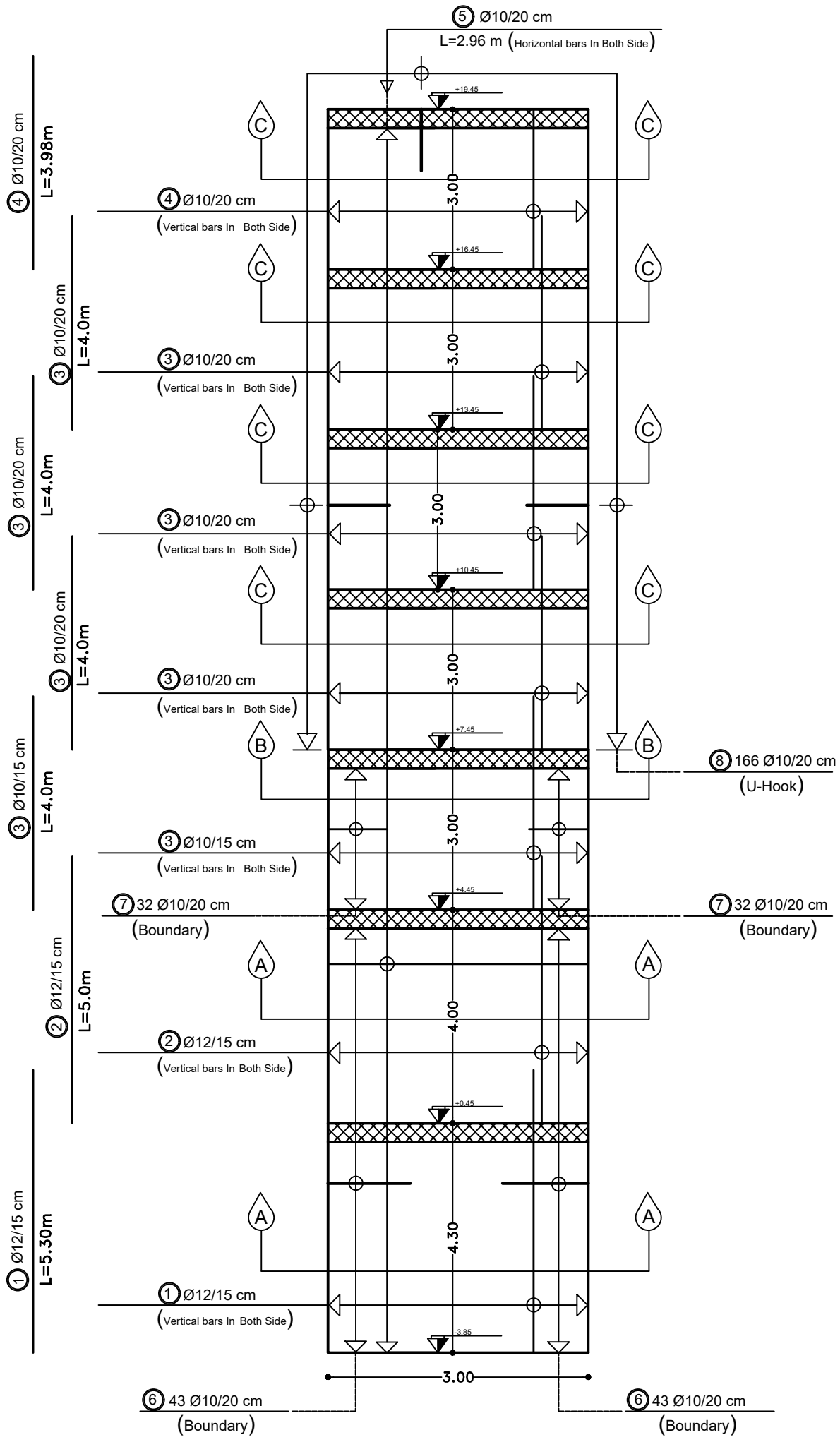
Detail of W1 2



1 42Ø14 L=5.3m
530
2 42Ø14 L=5.0m
500
3 42Ø12 L=4.0m
400
4 96Ø10 L=4.0m
400
5 32Ø10 L=3.98m
298
6 236 Ø10 L=2.96m
296
7 86 Ø10 , L=2.14m
70 11 26 70
8 166 Ø10 , L=1.46m (U-Hook)
26 60 60
9 366 Ø8 , L=0.46m (S-Hook)
10 26 10

Section(C-C) Scale:1/100	
Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

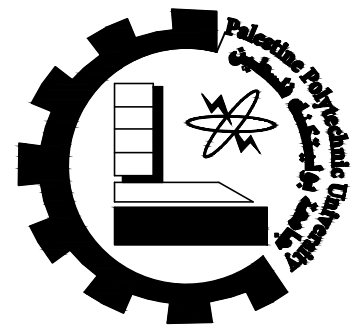
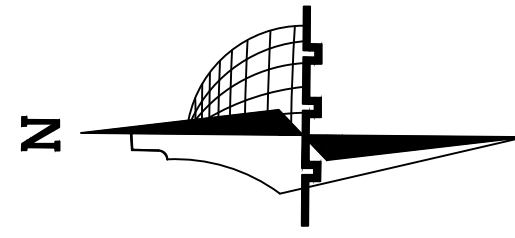
Detail of W1 1



1 42Ø12 L=5.3m
530
2 42Ø12 L=5.0m
500
3 138Ø10 L=4.0m
400
4 32Ø10 L=3.98m
298
5 236 Ø10 L=2.96m
296
6 86 Ø10 , L=2.34m (Boundary)
80 11 26 80
7 32 Ø10 , L=1.74m (Boundary)
50 11 26 50
8 136 Ø10 , L=1.46m (U-Hook)
26 60 60
9 537 Ø8 , L=0.46 m (S-Hook)
10 26 10

Section(C-C) Scale:1/100	
Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

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Sheet Title:

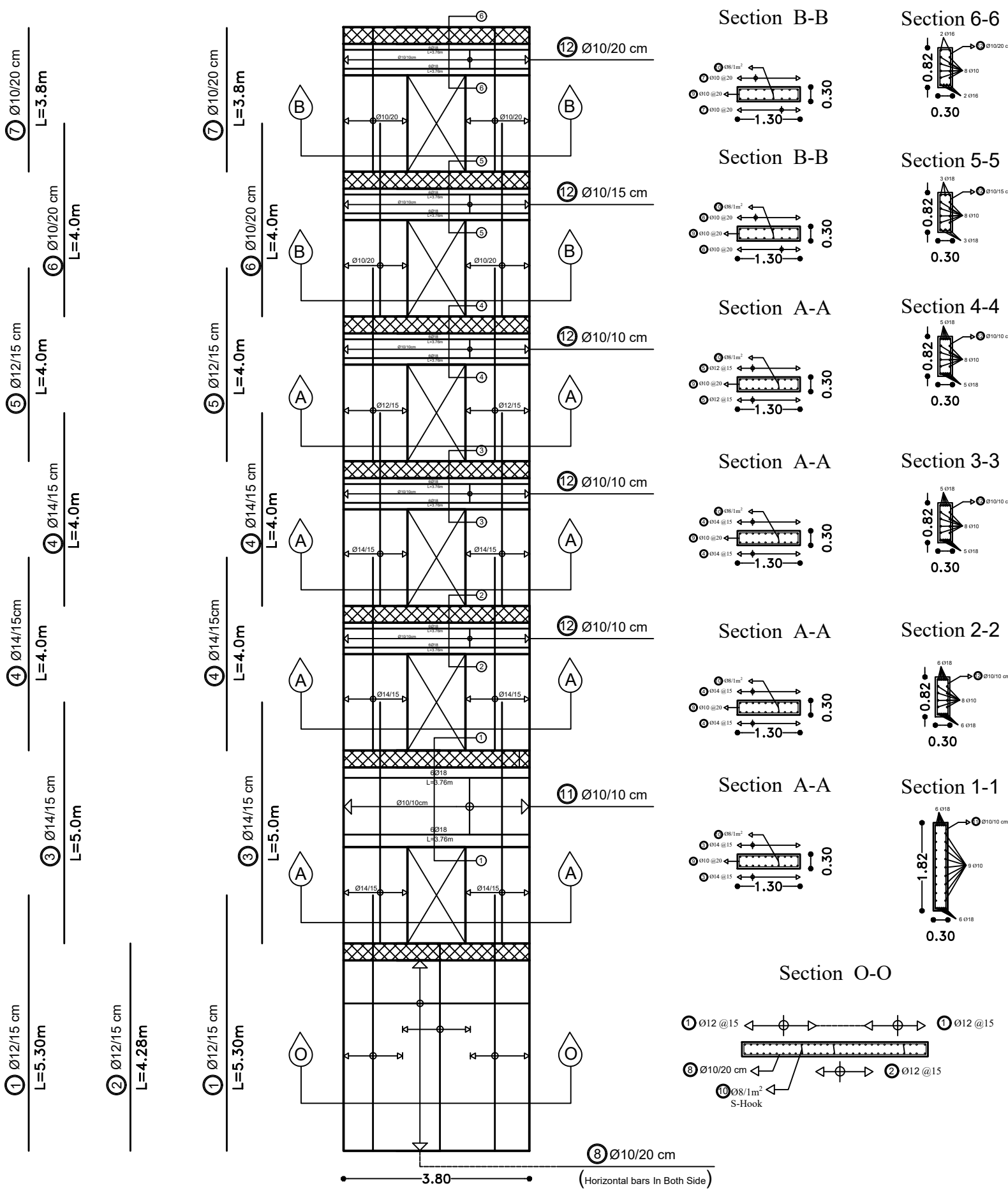
Shear Wall
Drawings

Sheet:

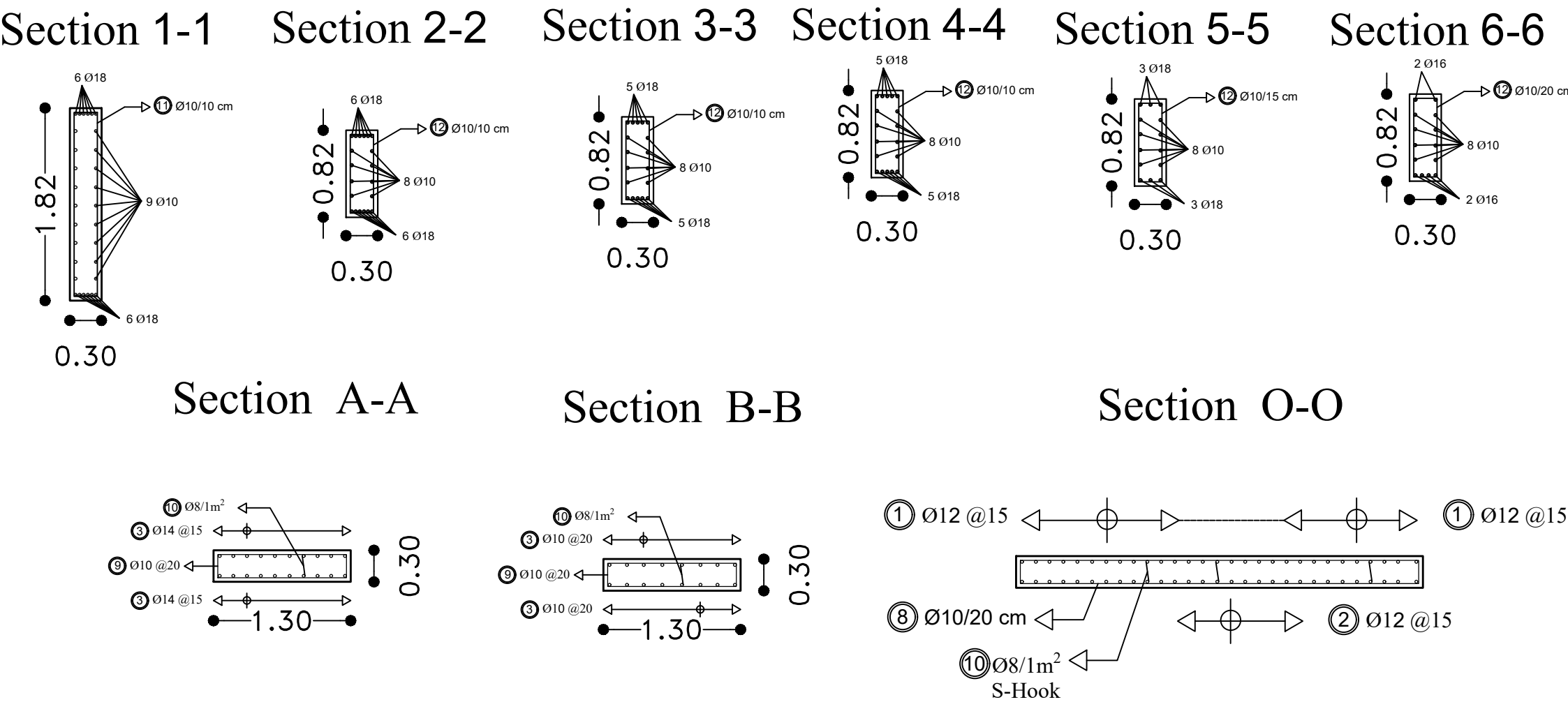
539

Scale: 1:100

Detail of W13

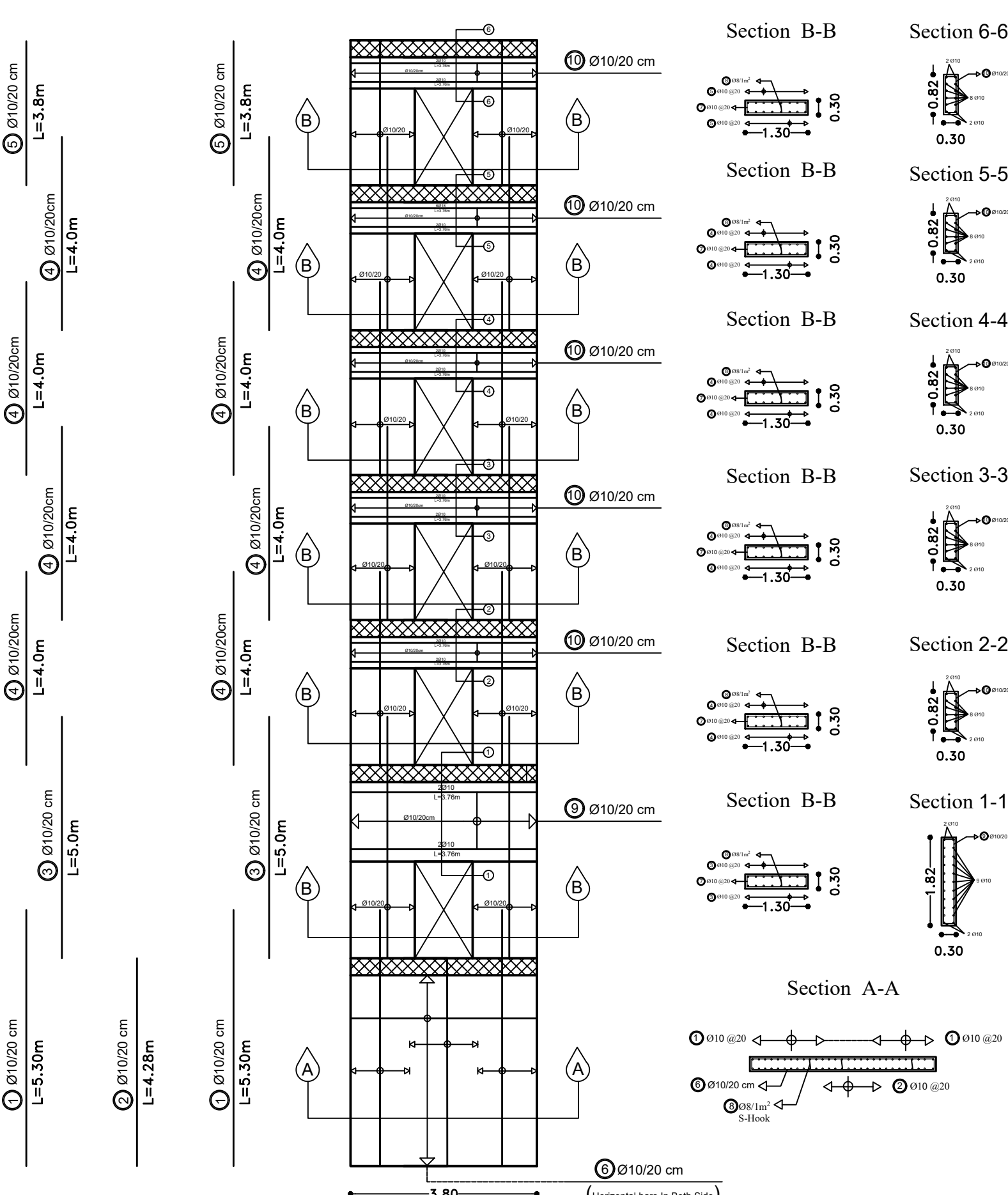


Steel Details
⑨ Ø10/20cm , L=3.26m (Stirrups)
⑩ Ø8/1m², L=0.46 (S-Hook)
⑪ Ø10/10cm , L=4.30m (Stirrups)
⑫ Ø10/10cm , L=2.30m (Stirrups)

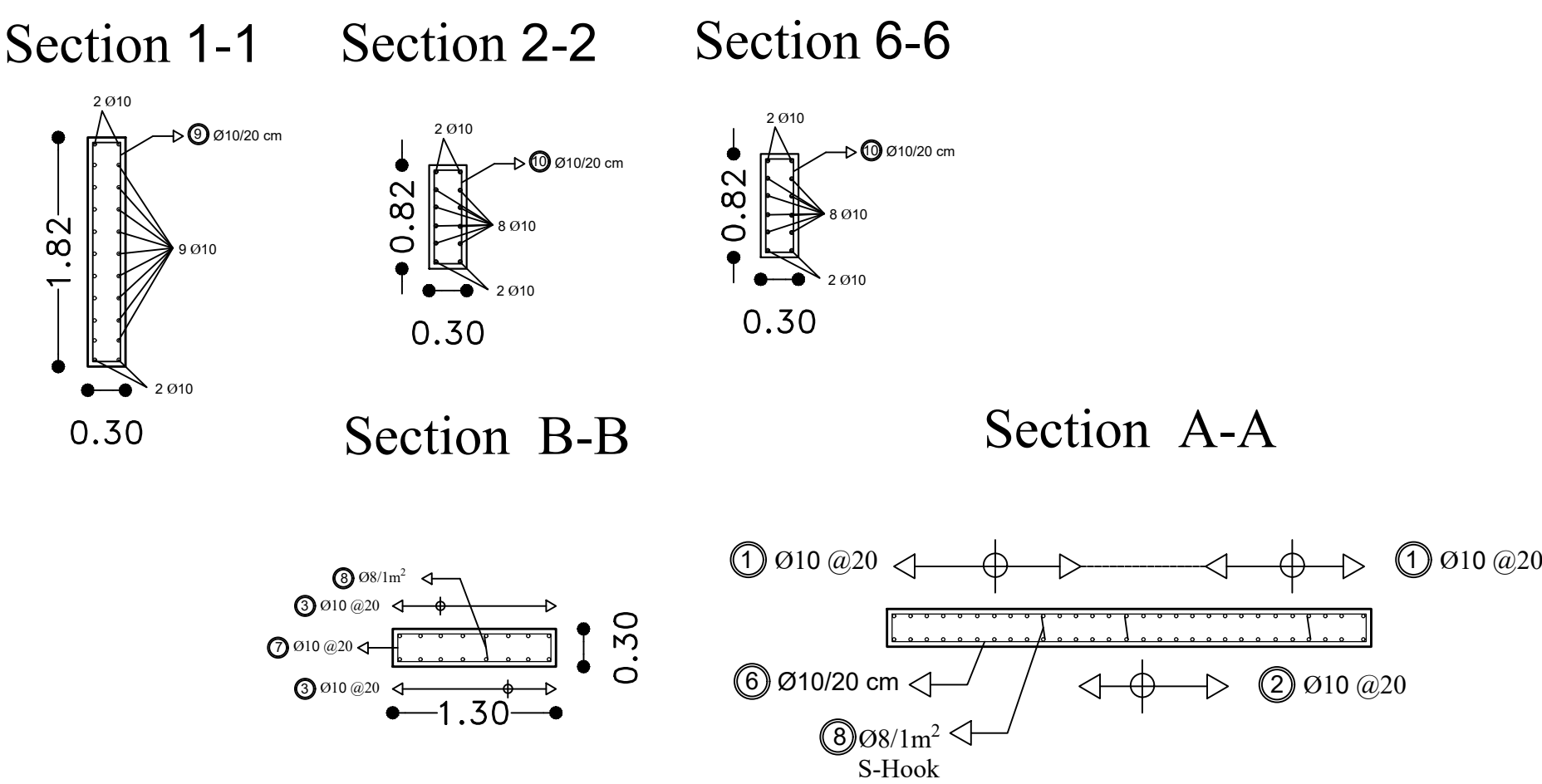


Scale 1:50

Detail of W16

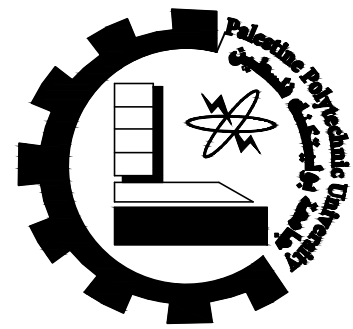
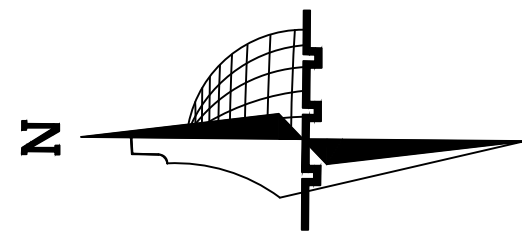


Steel Details
⑦ Ø10/20cm , L=3.26m (Stirrups)
⑧ Ø8/1m², L=0.46 (S-Hook)
⑨ Ø10/20cm , L=4.30m (Stirrups)
⑩ Ø10/20cm , L=2.30m (Stirrups)



Scale 1:50

GENERAL NOTES



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Sheet Title:

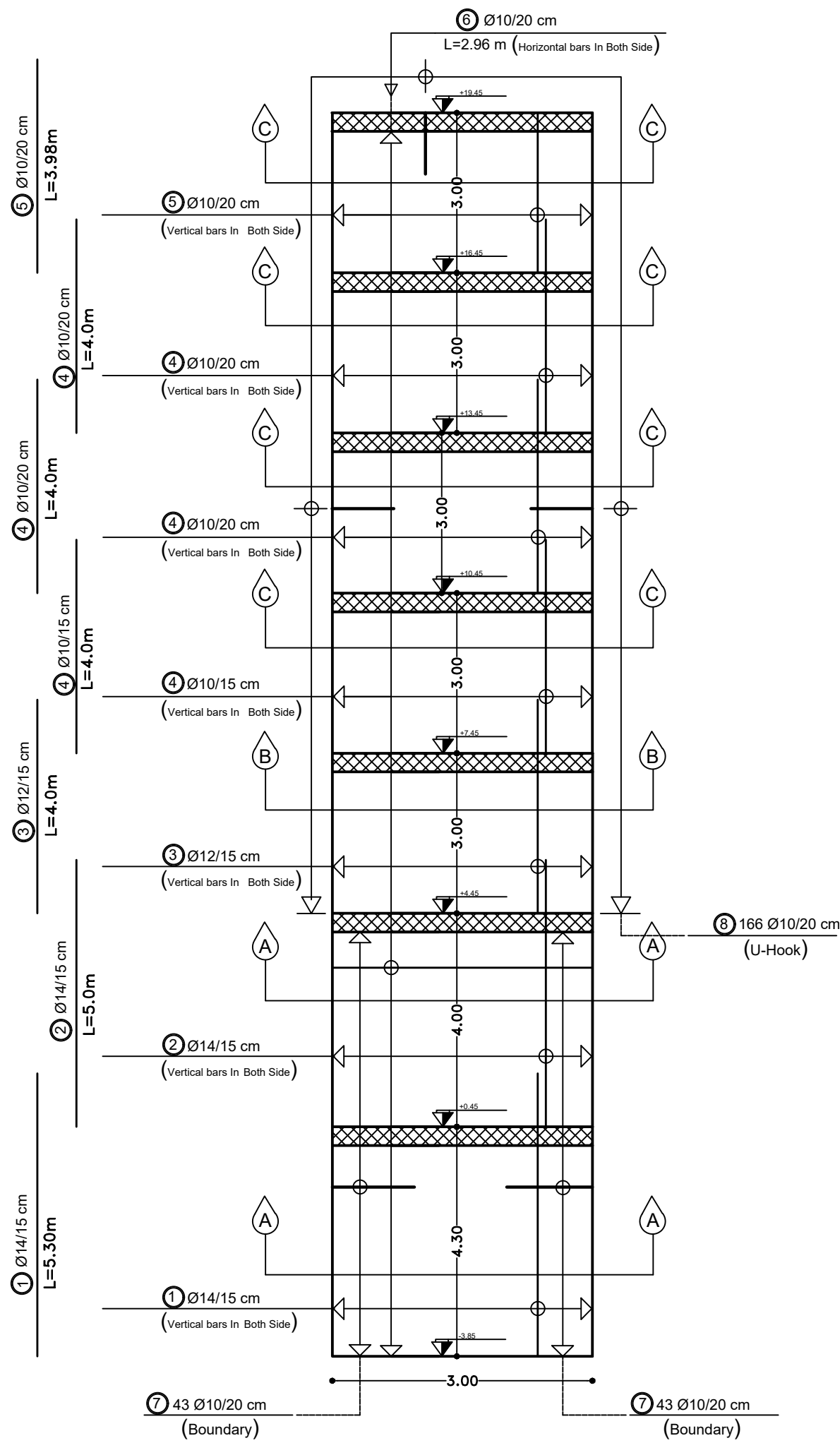
Shear Wall
Drawings

Sheet:

S40

Scale: 1:100

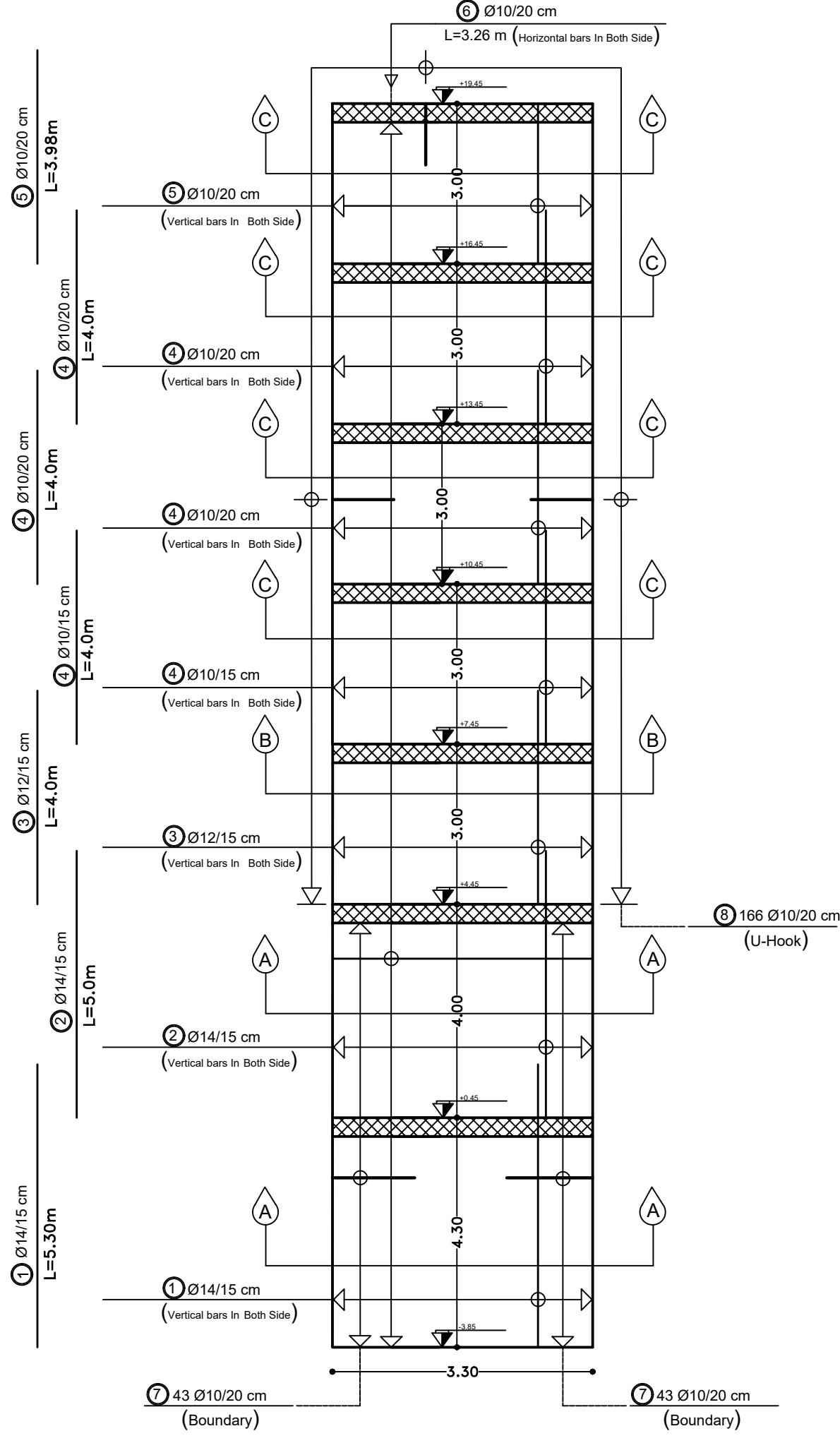
Detail of W14



① 42Ø14 L=5.3m
530
② 42Ø14 L=5.0m
500
③ 42Ø12 L=4.0m
400
④ 106Ø10 L=4.0m
400
⑤ 32Ø10 L=3.98m
398
⑥ 236 Ø10 L=2.96m
296
⑦ 86 Ø10 , L=2.44m
$\begin{matrix} 85 & 11 \\ 26 & 11 \\ & 26 \end{matrix}$
⑧ 166 Ø10 , L=1.46m (U-Hook)
$\begin{matrix} 60 \\ 26 \\ 60 \end{matrix}$
⑨ 481 Ø8 , L=0.46m (S-Hook)
$\begin{matrix} 10 & 26 & 10 \end{matrix}$

Section(C-C) Scale:1/100	
Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

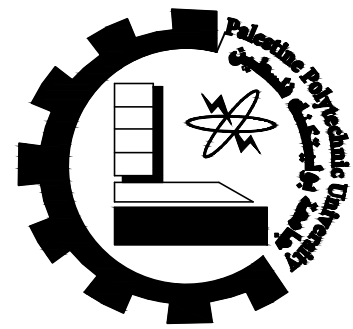
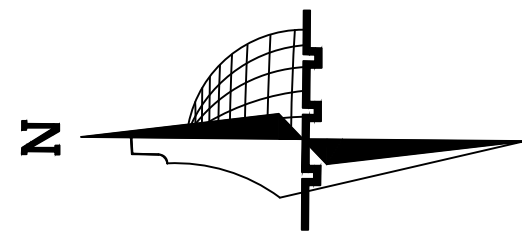
Detail of W15



① 42Ø14 L=5.3m
530
② 42Ø14 L=5.0m
500
③ 42Ø12 L=4.0m
400
④ 106Ø10 L=4.0m
400
⑤ 32Ø10 L=3.98m
398
⑥ 236 Ø10 L=3.26m
326
⑦ 86 Ø10 , L=2.14 m (Boundary)
$\begin{matrix} 70 & 11 \\ 26 & 11 \\ & 26 \end{matrix}$
⑧ 166 Ø10 , L=1.46m (U-Hook)
$\begin{matrix} 60 \\ 26 \\ 60 \end{matrix}$
⑨ 433 Ø8 , L=0.46 m (S-Hook)
$\begin{matrix} 10 & 26 & 10 \end{matrix}$

Section(C-C) Scale:1/100	
Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

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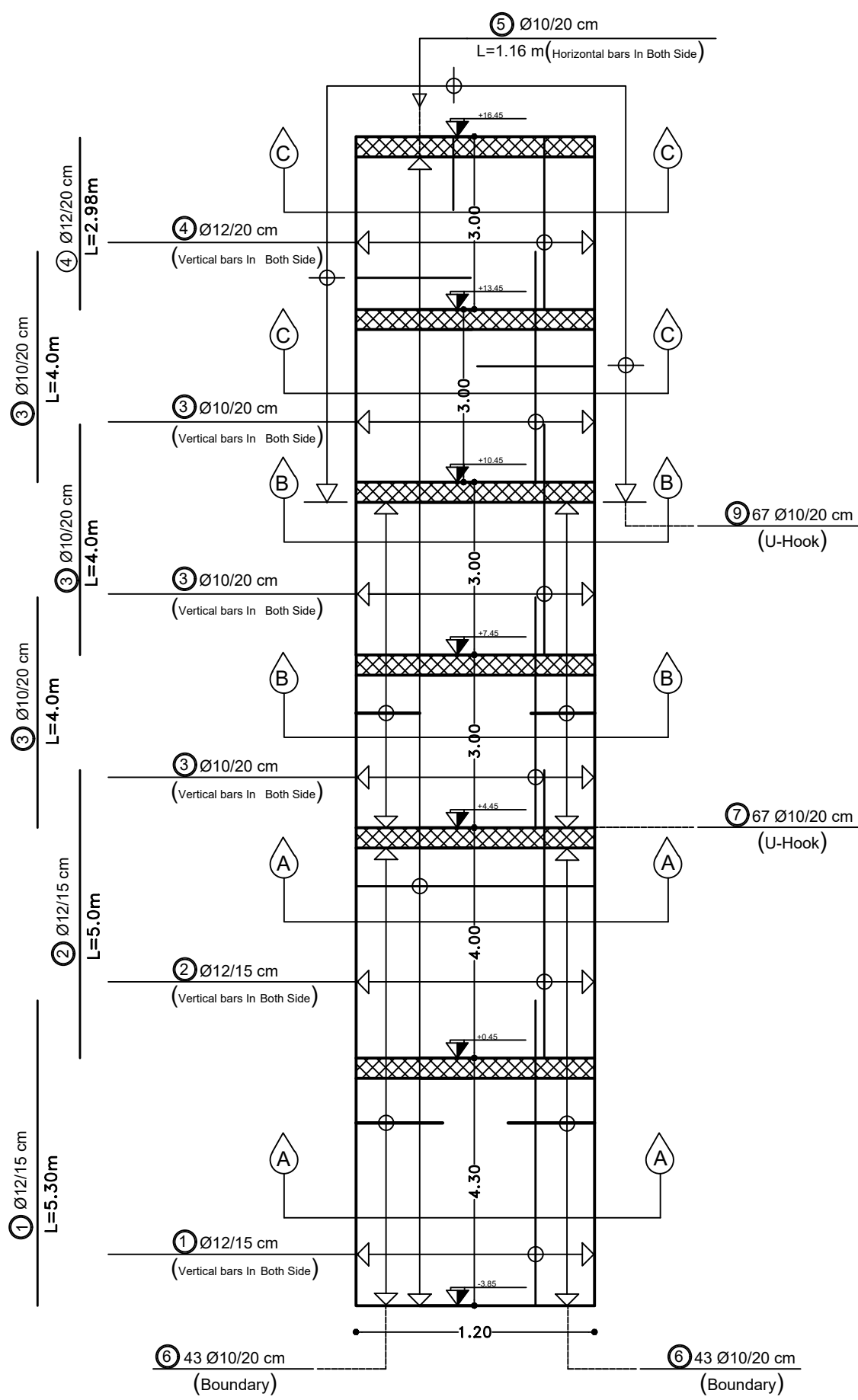
Shear Wall
Drawings

Sheet:

S41

Scale: 1:100

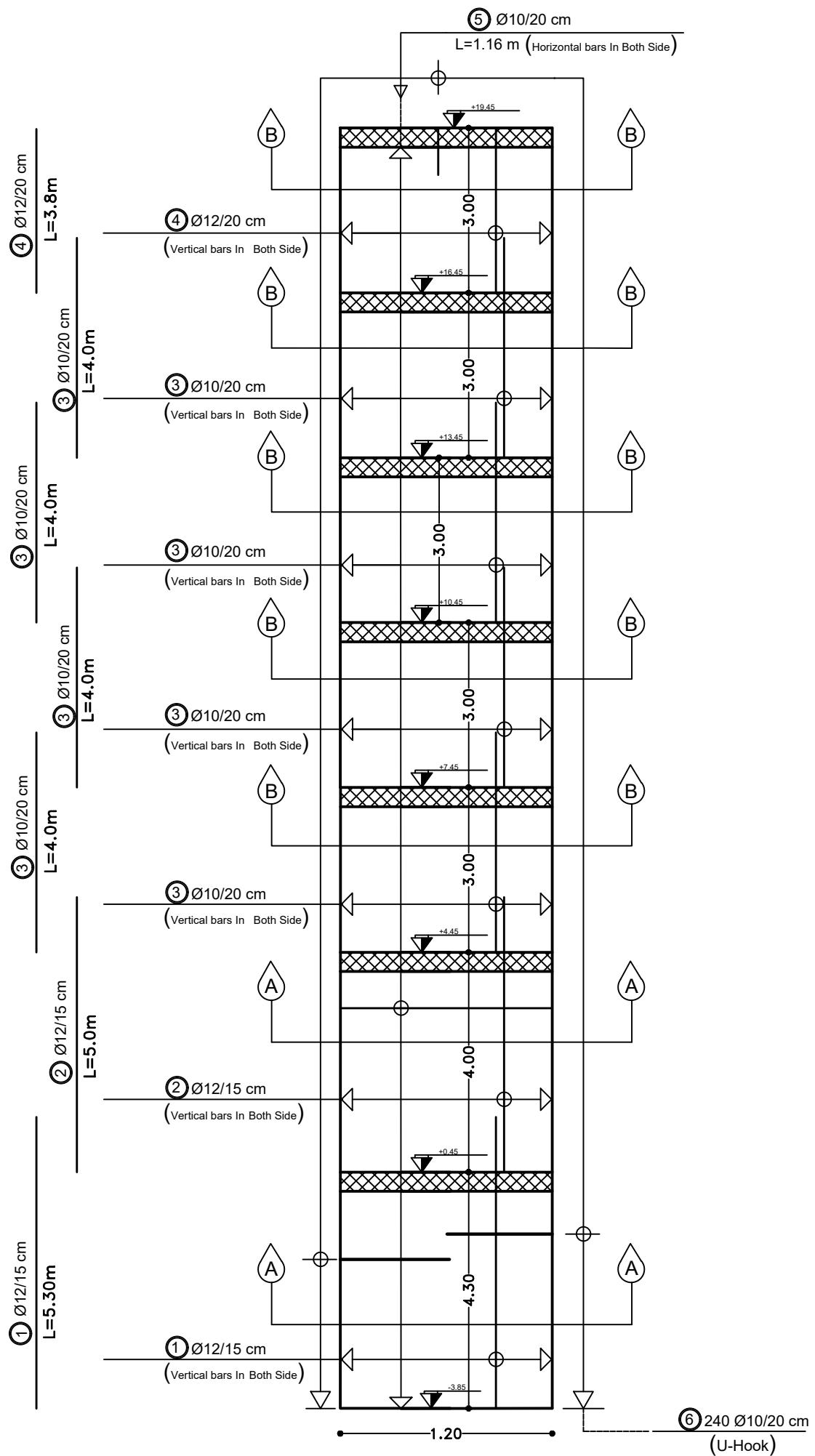
Detail of W18



1 18 Ø12 L=5.3m
530
2 18 Ø12 L=5.0m
500
3 42 Ø10 L=4.0m
400
4 14 Ø10 L=3.98m
398
5 206 Ø10 L=1.16m
116
6 86 Ø10 , L=1.64m
$\begin{matrix} 45 \\ 26 \end{matrix} \begin{matrix} 11' \\ 11 \end{matrix} \begin{matrix} 26 \\ 45 \end{matrix}$
7 62 Ø10 , L=1.34m
$\begin{matrix} 30 \\ 26 \end{matrix} \begin{matrix} 11' \\ 11 \end{matrix} \begin{matrix} 26 \\ 30 \end{matrix}$
8 67 Ø10 , L=1.46m (U-Hook)
$\begin{matrix} 60 \\ 26 \end{matrix} \begin{matrix} 60 \end{matrix}$
9 141 Ø8 , L=0.46m (S-Hook)
$\begin{matrix} 10 \end{matrix} \begin{matrix} 26 \end{matrix} \begin{matrix} 10 \end{matrix}$

Section(C-C) Scale:1/100	
Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

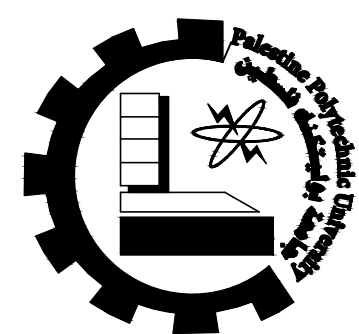
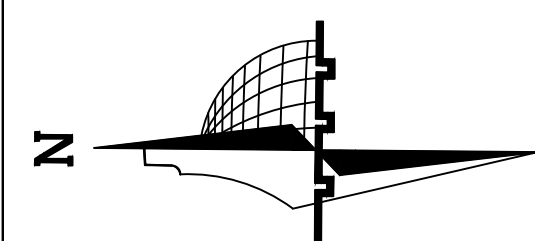
Detail of W17



1 18 Ø12 L=5.3m
530
2 18 Ø12 L=5.0m
500
3 56 Ø10 L=4.0m
400
4 14 Ø12 L=3.98m
398
5 236 Ø10 L=1.16m
116
6 240 Ø10 , L=1.46m (U-Hook)
$\begin{matrix} 60 \\ 26 \end{matrix} \begin{matrix} 60 \end{matrix}$
7 112 Ø8 , L=0.46m (S-Hook)
$\begin{matrix} 10 \end{matrix} \begin{matrix} 26 \end{matrix} \begin{matrix} 10 \end{matrix}$

Section(B-B) Scale:1/100	
Section(A-A) Scale:1/100	

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Sheet Title:

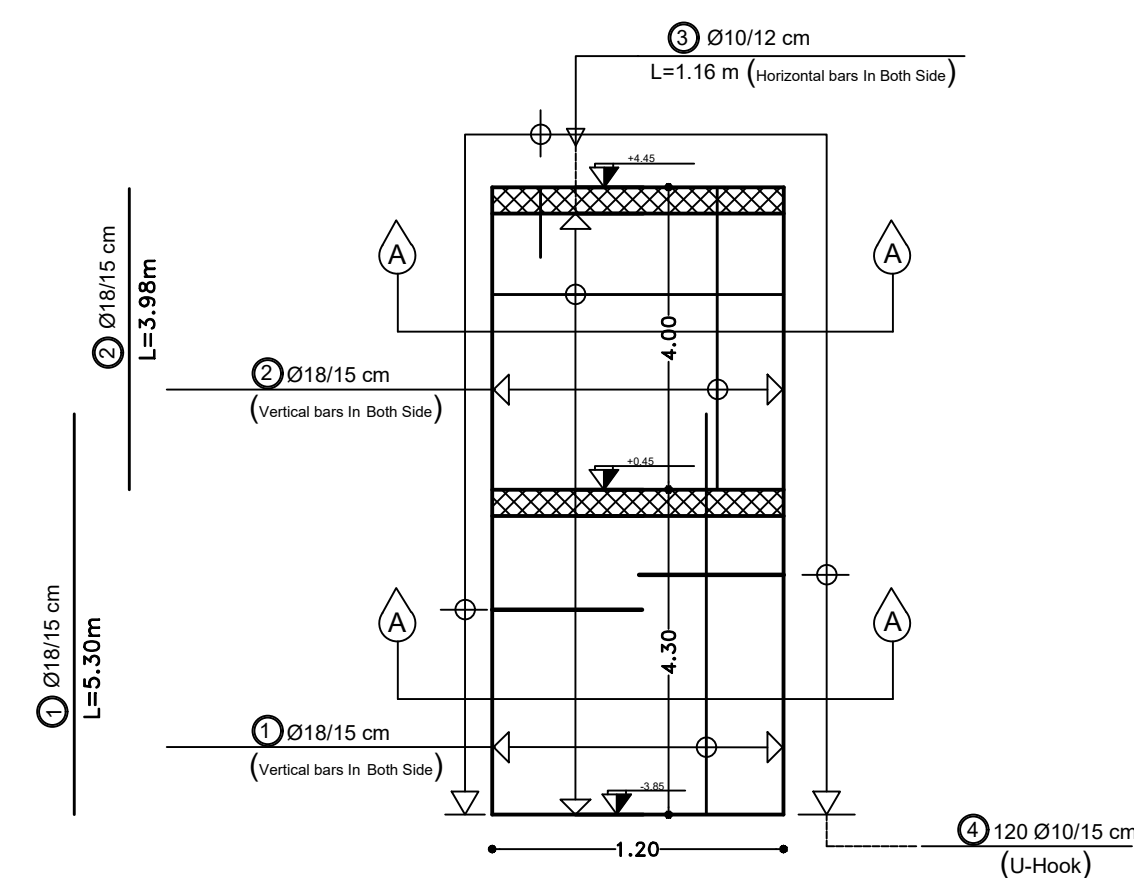
Shear Wall
Drawings

Sheet:

S42

Scale: 1:100

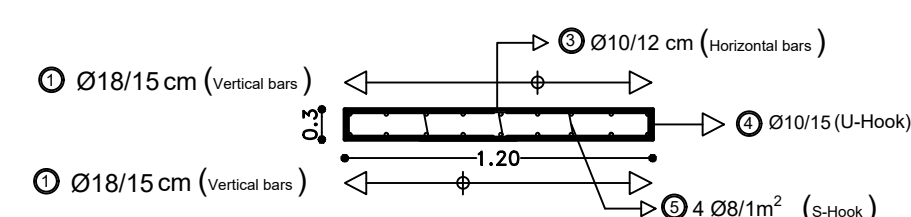
Detail of W20



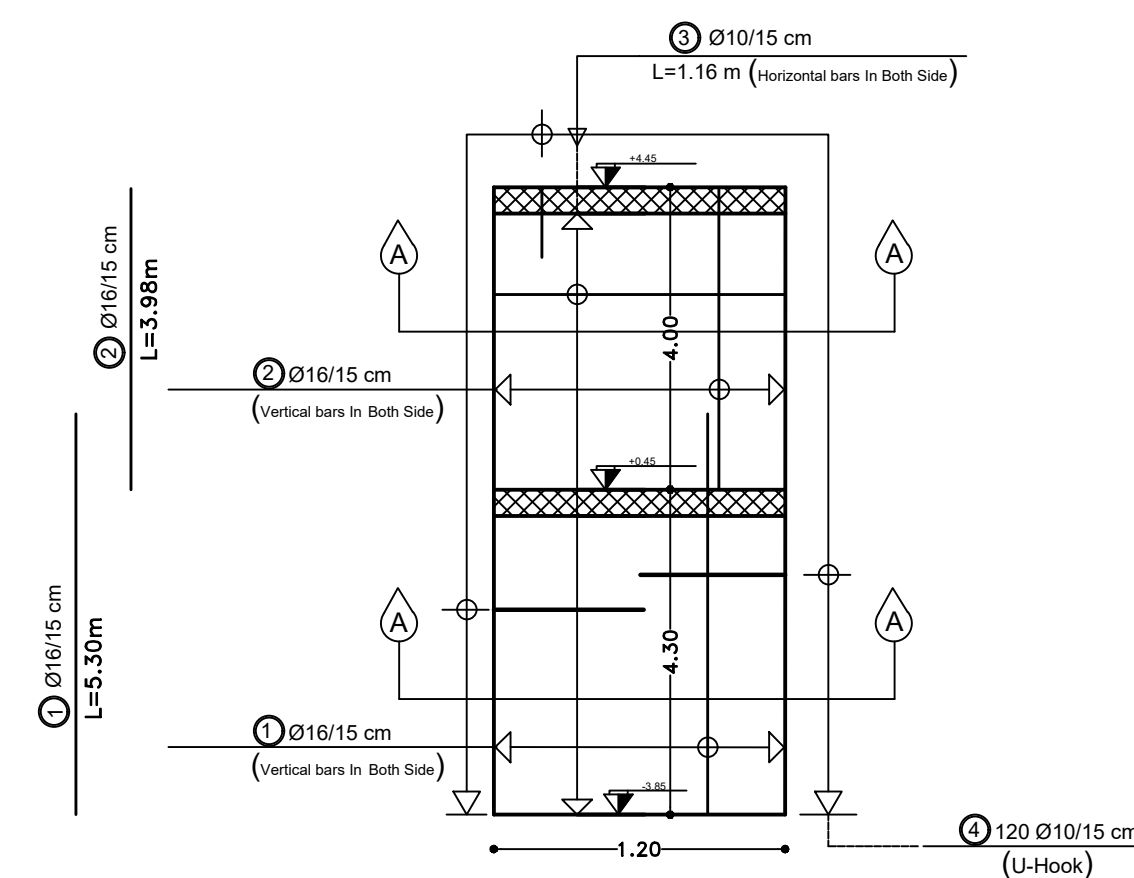
18 Ø18 L=5.3m
530
18 Ø18 L=3.98m
398
142 Ø10 L=1.16m
116
120 Ø10 , L=1.46m (U-Hook)
60 26 60
40 Ø8 , L=0.46m (S-Hook)
10 26 10

Section(A-A)

Scale:1/100



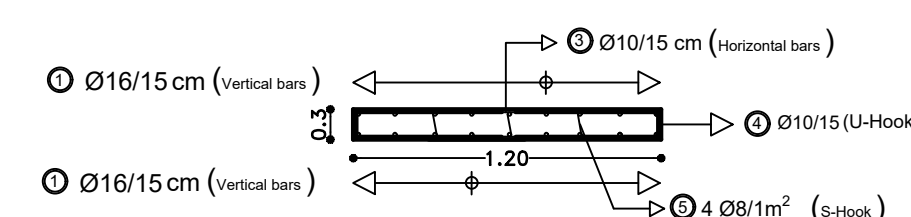
Detail of W19



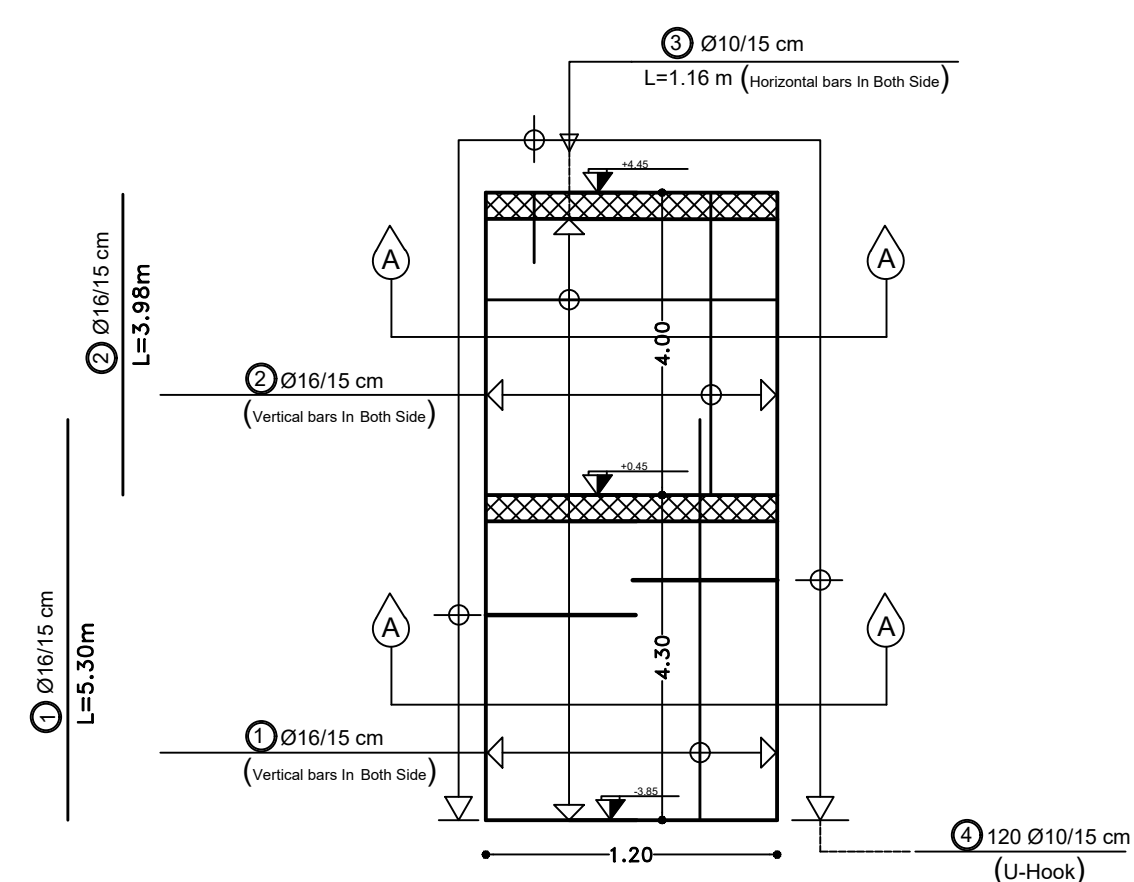
18 Ø16 L=5.3m
530
18 Ø16 L=3.98m
398
114 Ø10 L=1.16m
116
120 Ø10 , L=1.46m (U-Hook)
60 26 60
40 Ø8 , L=0.46m (S-Hook)
10 26 10

Section(A-A)

Scale:1/100



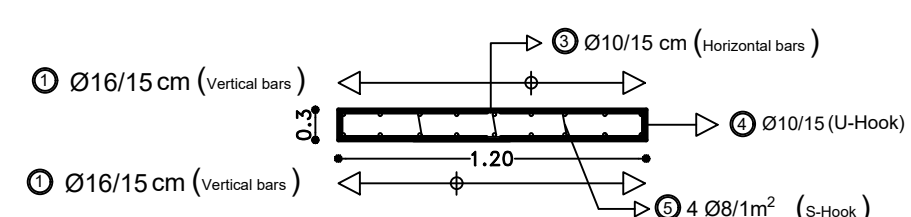
Detail of W9



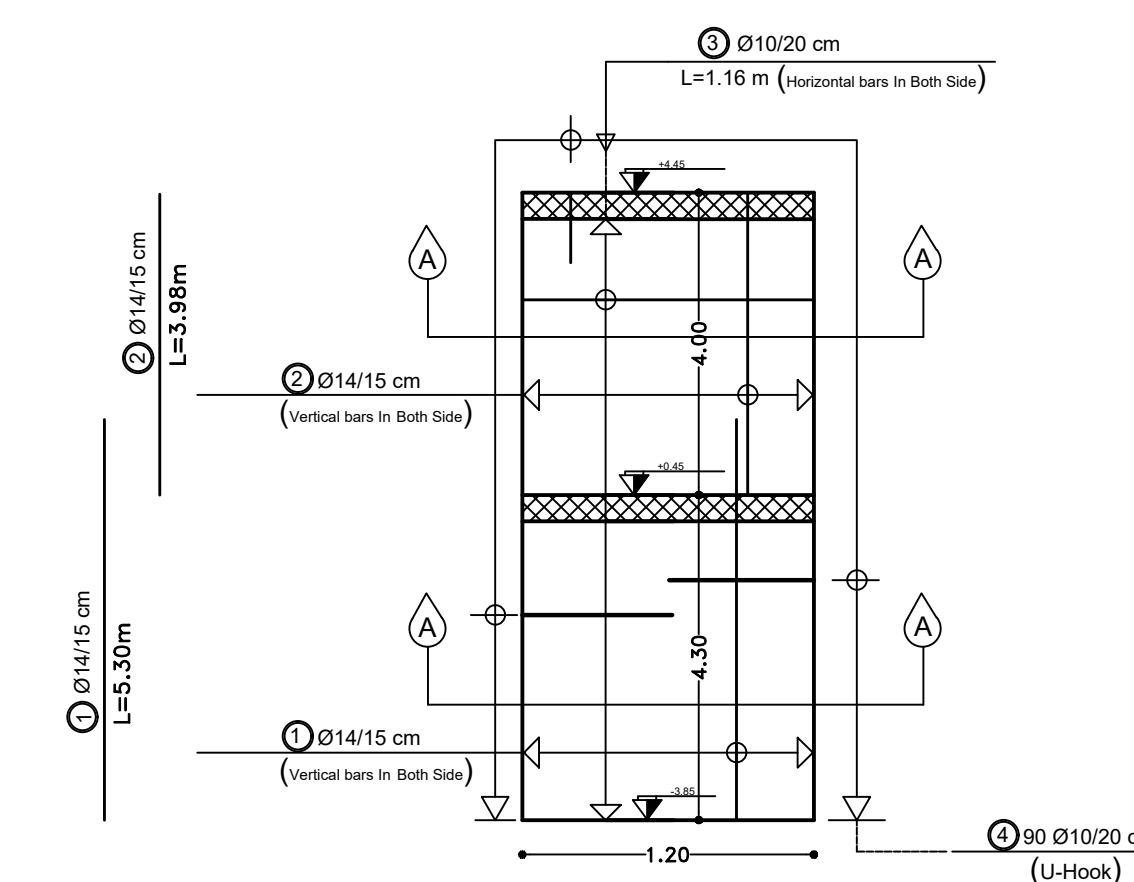
18 Ø16 L=5.3m
530
18 Ø16 L=3.98m
398
114 Ø10 L=1.16m
116
120 Ø10 , L=1.46m (U-Hook)
60 26 60
40 Ø8 , L=0.46m (S-Hook)
10 26 10

Section(A-A)

Scale:1/100



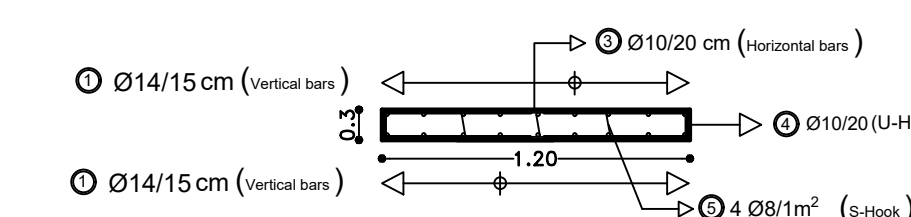
Detail of W8



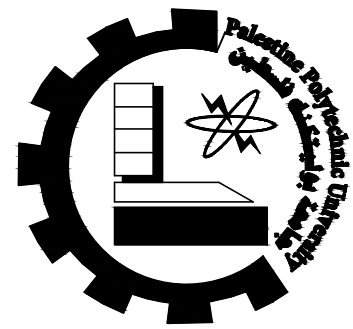
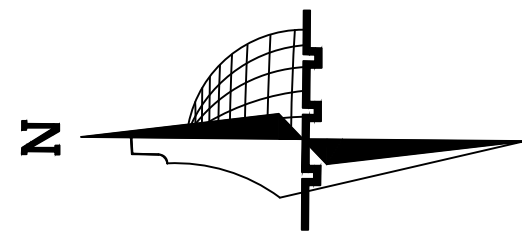
18 Ø16 L=5.3m
530
18 Ø16 L=3.98m
398
86 Ø10 L=1.16m
116
90 Ø10 , L=1.46m (U-Hook)
60 26 60
40 Ø8 , L=0.46m (S-Hook)
10 26 10

Section(A-A)

Scale:1/100



GENERAL NOTES



Palestine Polytechnic
University

Civil & Arch. Eng.
Department

civil Engineering

–Supervisor:

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–Students Name :

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Mahmoud Al Amleh

Graduation Project :

Structural design for a
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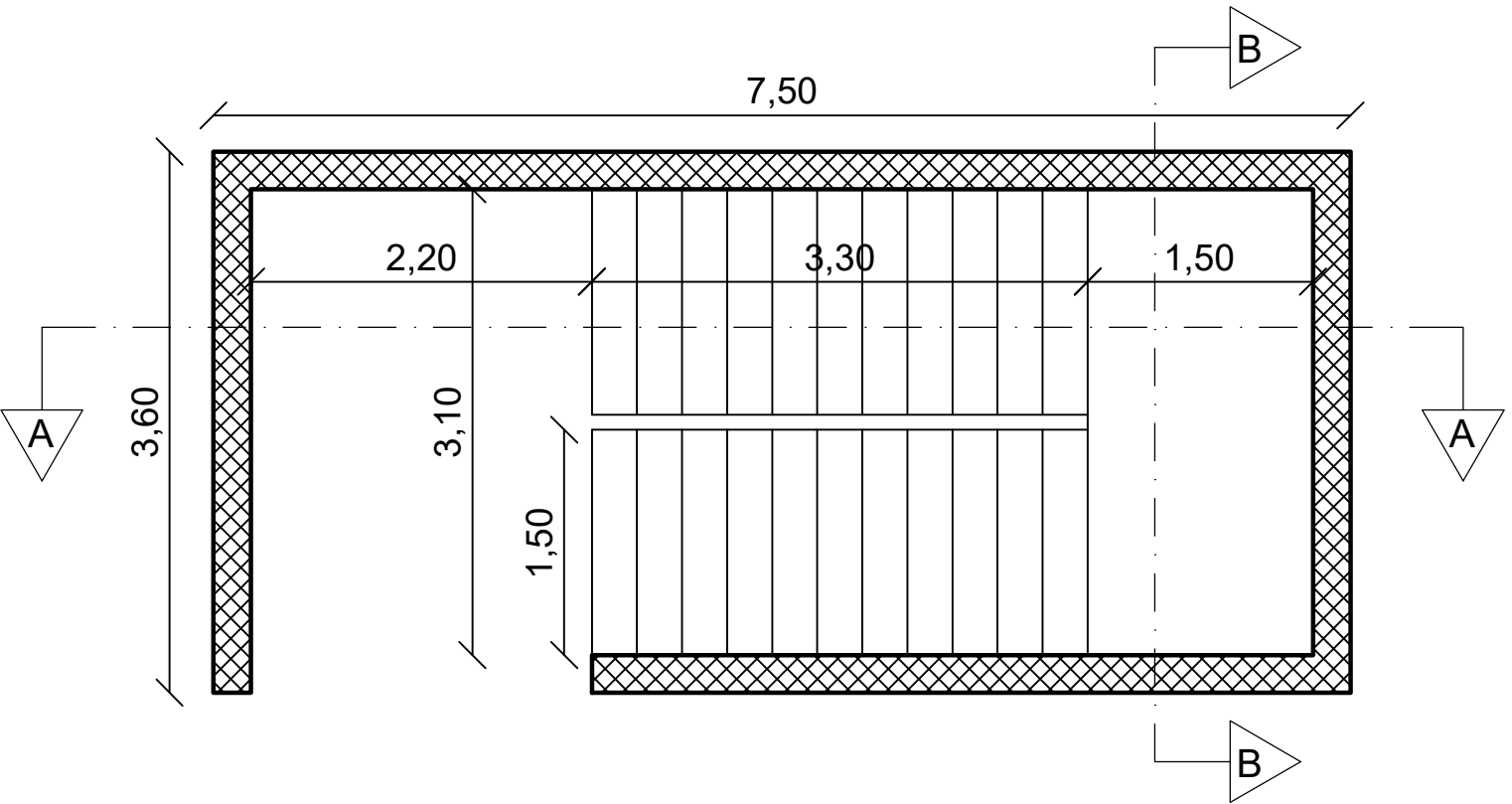
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Stairs Drawing

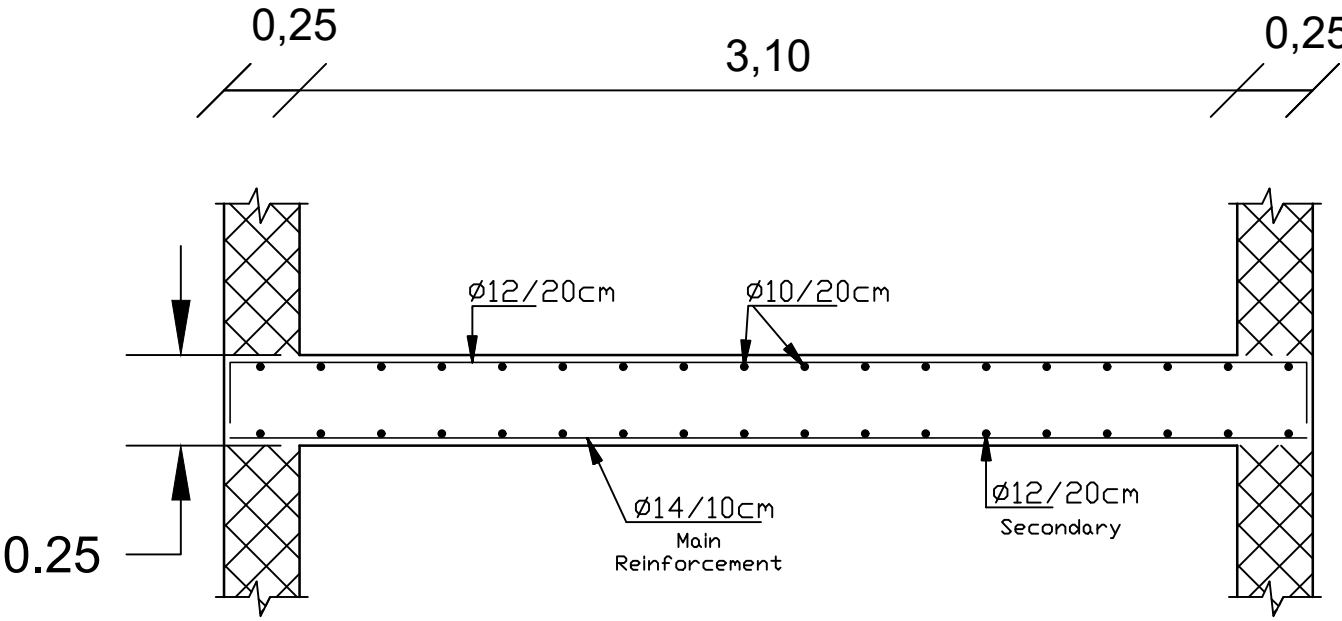
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S43

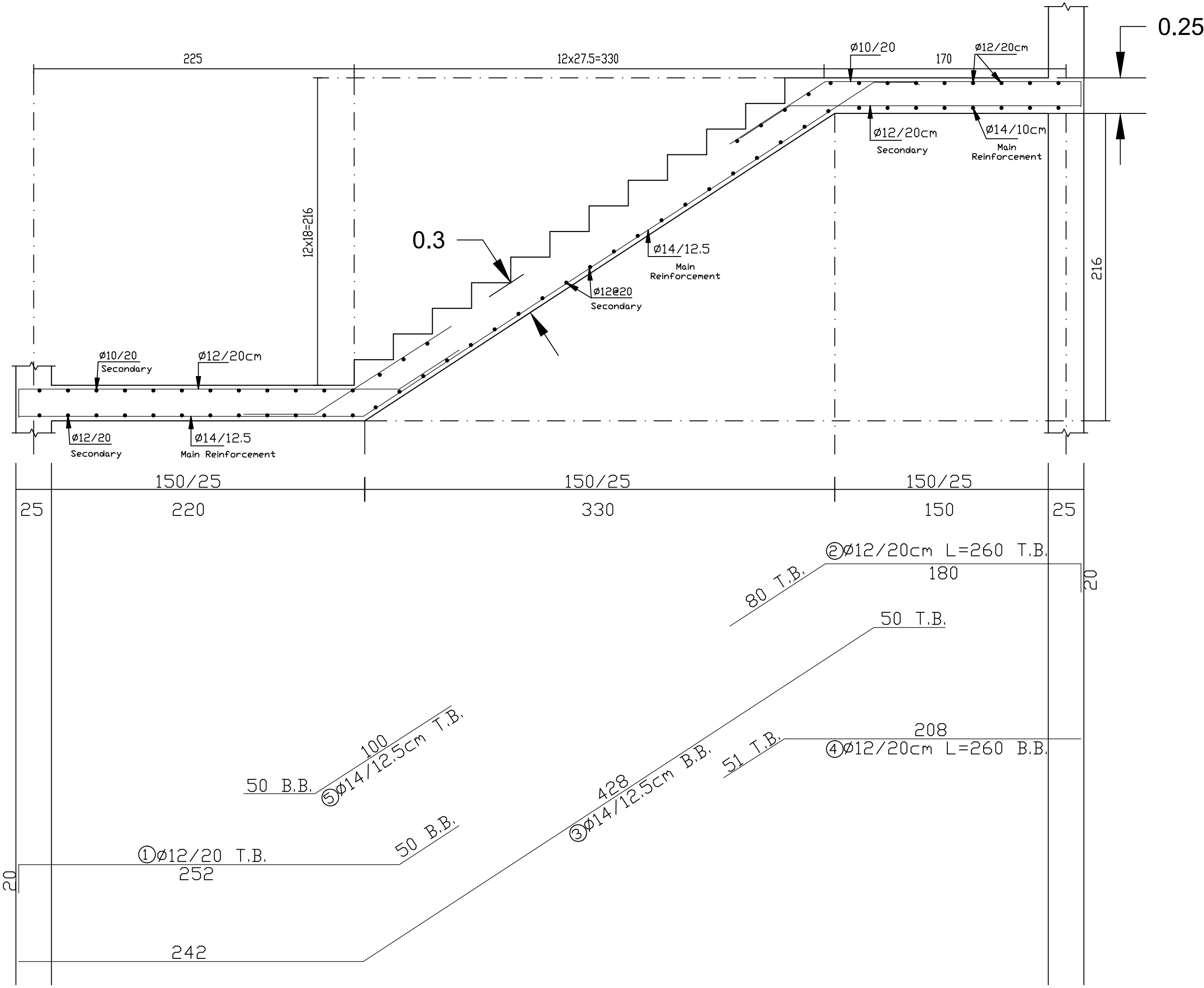
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Stairs Plan
Scale 1:50

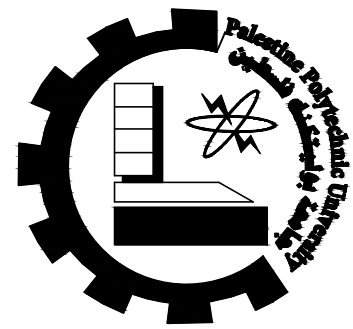
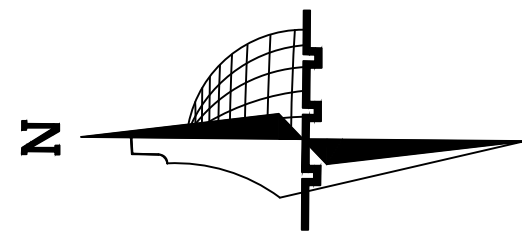


Section(B-B)
Scale 1:25



Section(A-A)
Scale 1:25

GENERAL NOTES



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Sheet Title:

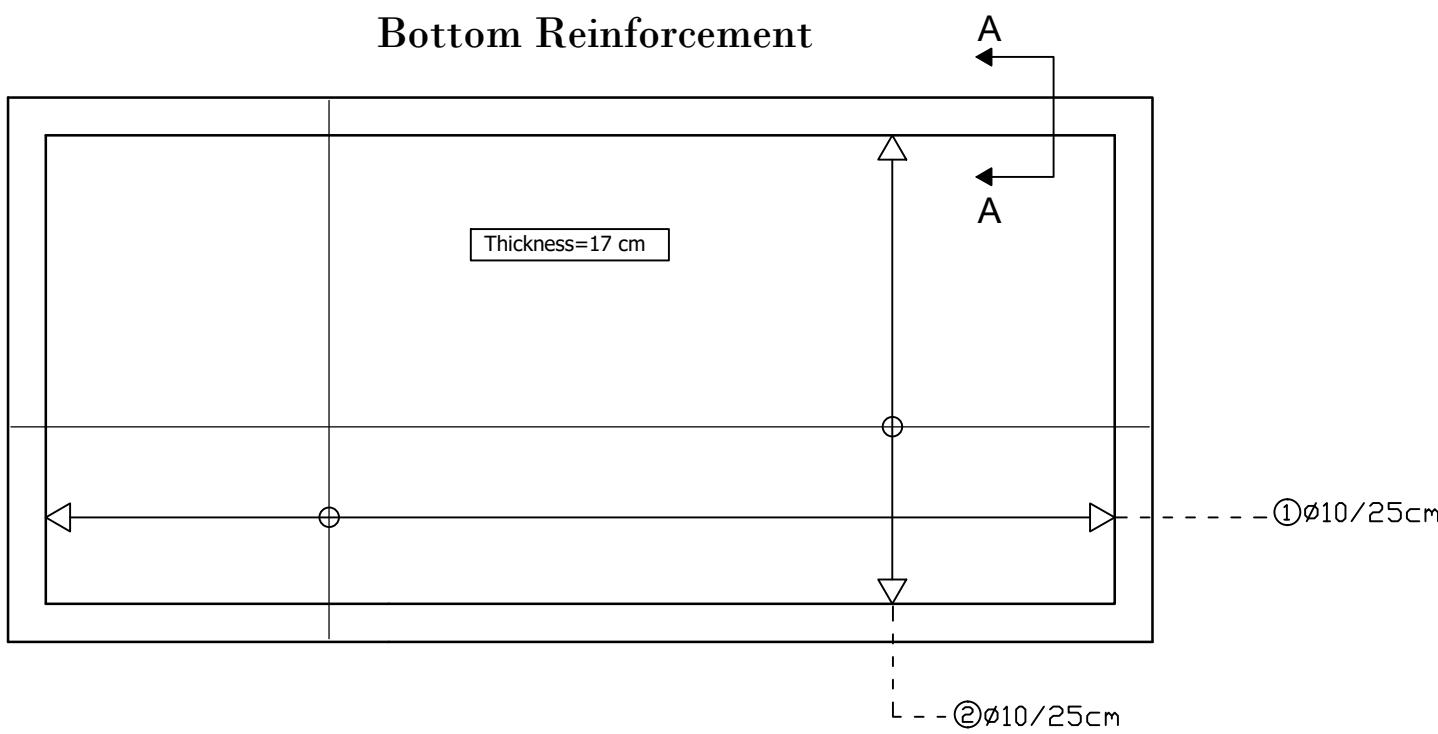
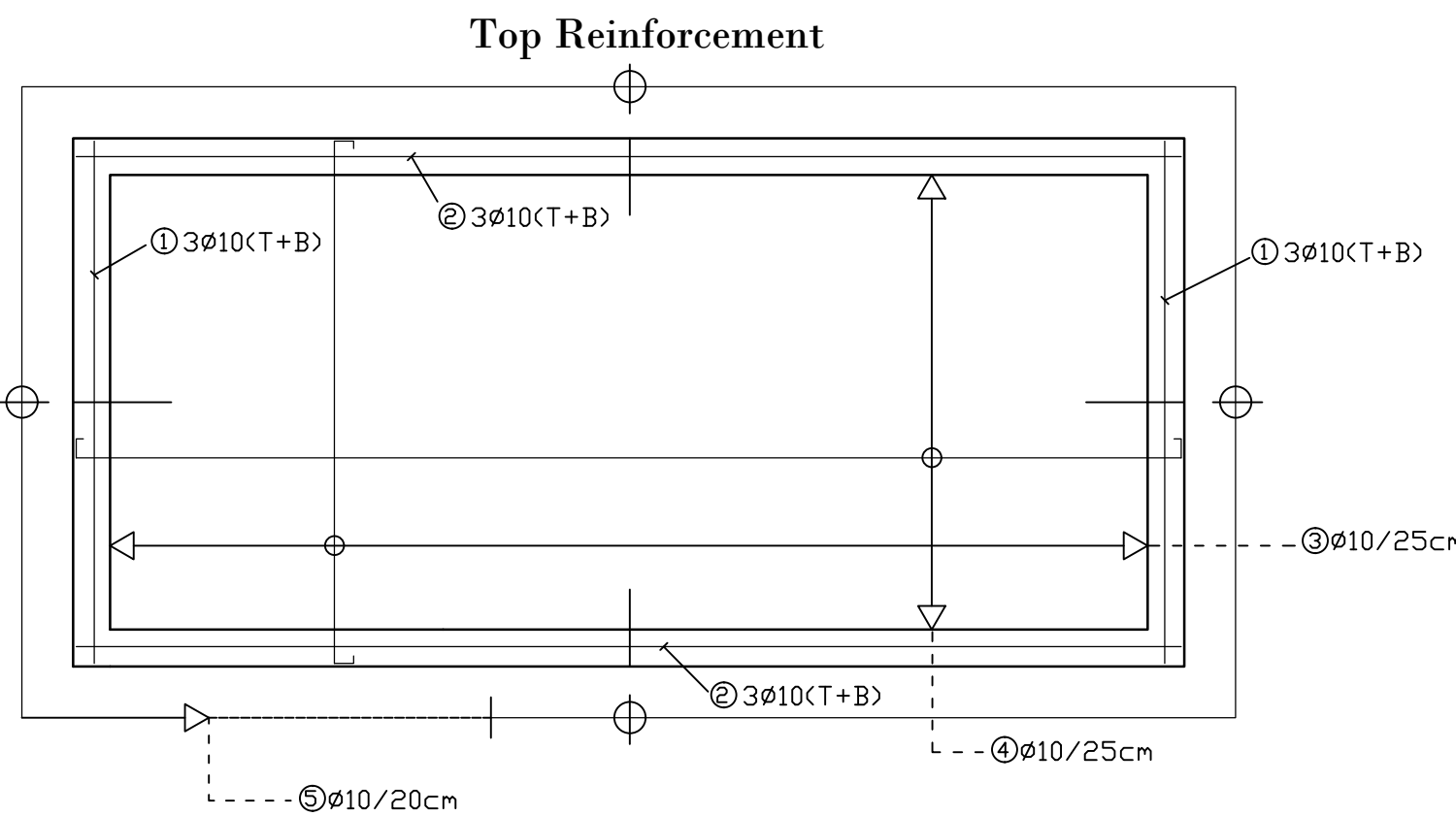
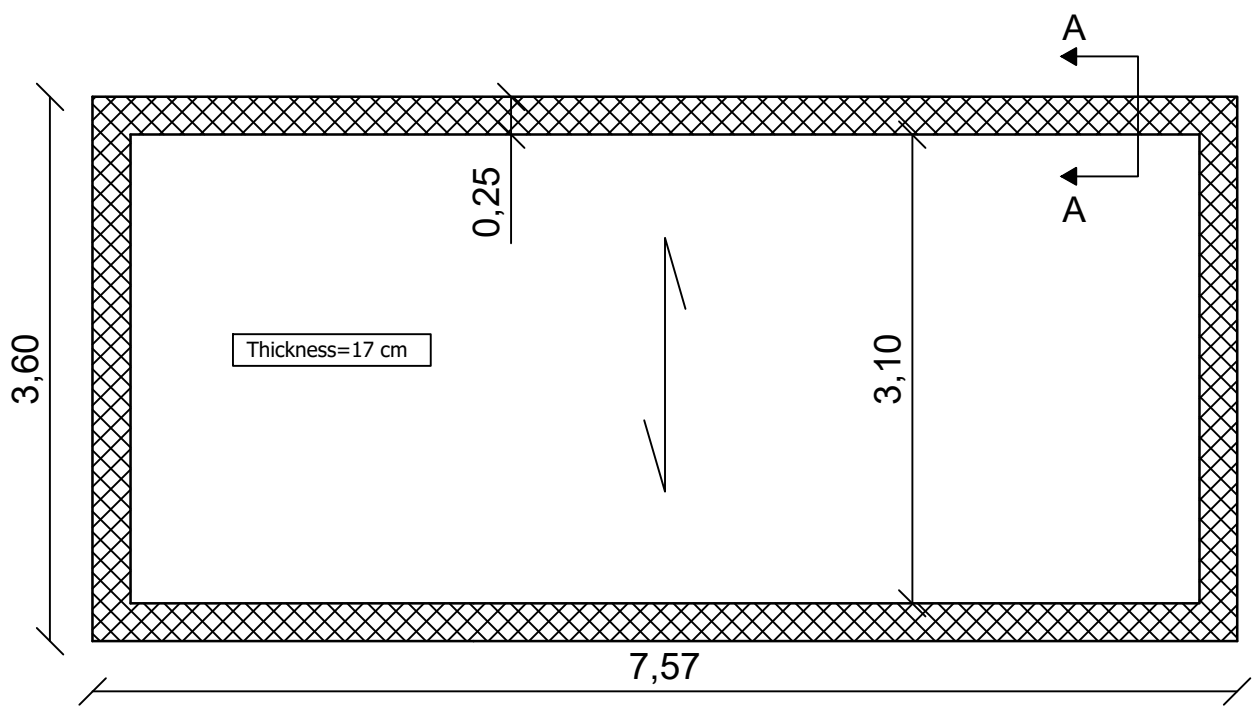
Stairs Slab
Drawing

Sheet:

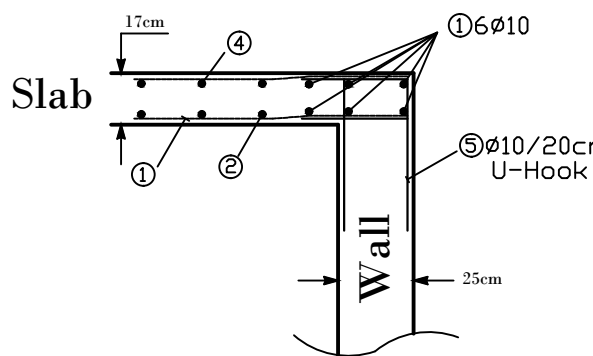
S44

Scale: 1:50

Stairs Slab Reinforcement



SECTION A-A

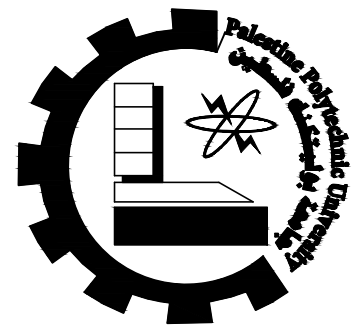
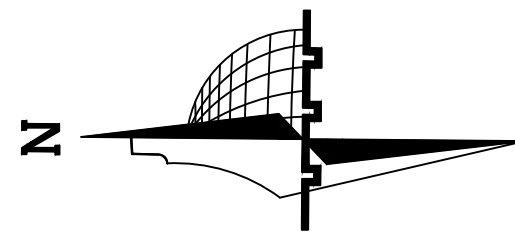


Scale 1:25

Steel
List

① 25Ø10,L=3.56m	② 40Ø10,L=7.53m	③ 13Ø10,L=3.92m
356	753	13 356 5 5
④ 28Ø10,L=7.89m	⑤ 107Ø10,L=0.83m U-Hook	
13 753 5 5	35 35 13	

GENERAL NOTES



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Sheet Title:

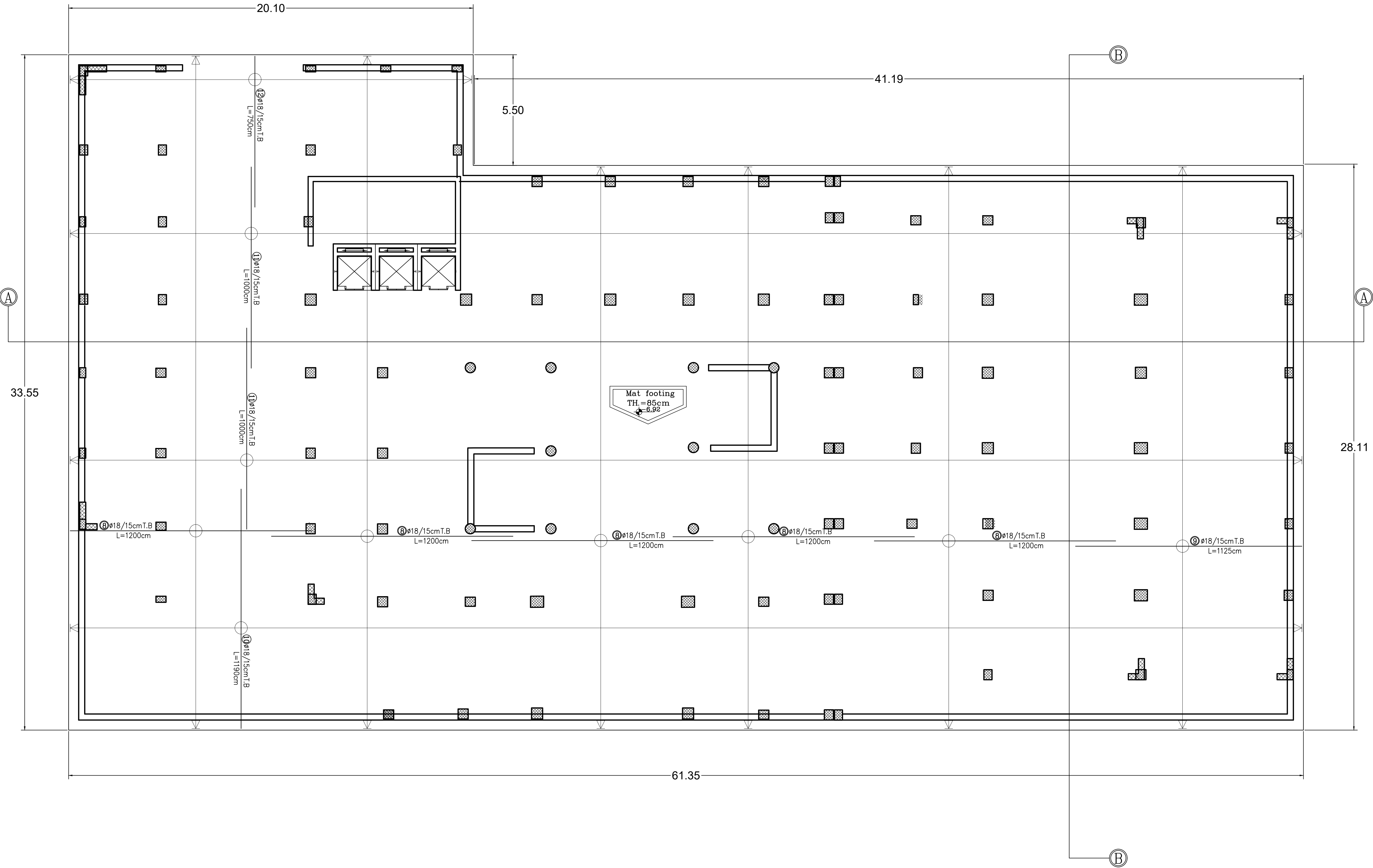
Mat Reinforcement

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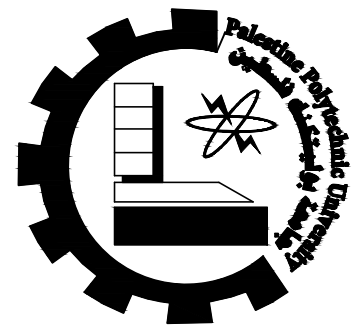
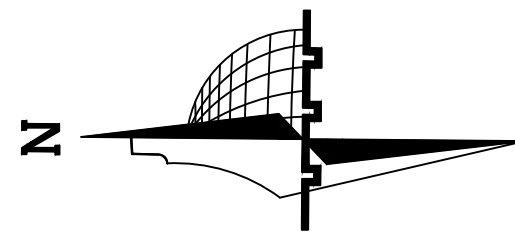
S45

Scale: 1:100

Top Reinforcement Mat Foundation



GENERAL NOTES



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Sheet Title:

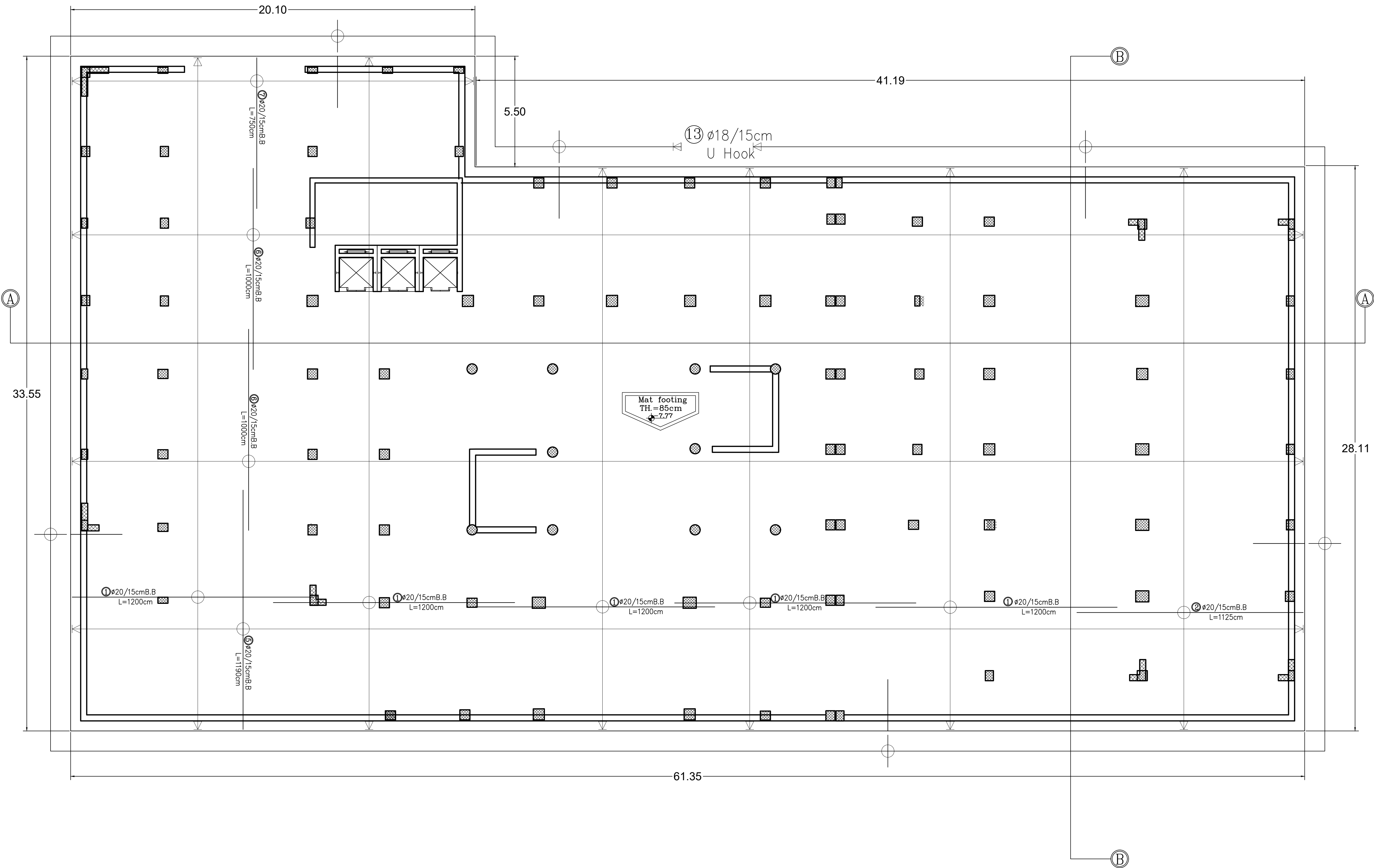
Mat Reinforcement

Sheet:

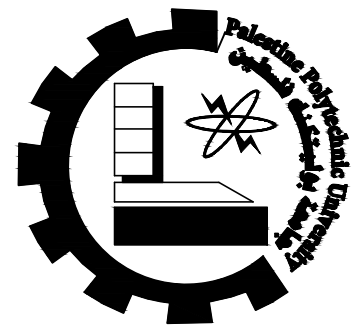
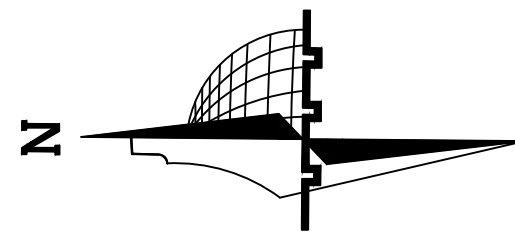
S46

Scale: 1:100

Bottom Reinforcement Mat Foundation



GENERAL NOTES



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Sheet Title:

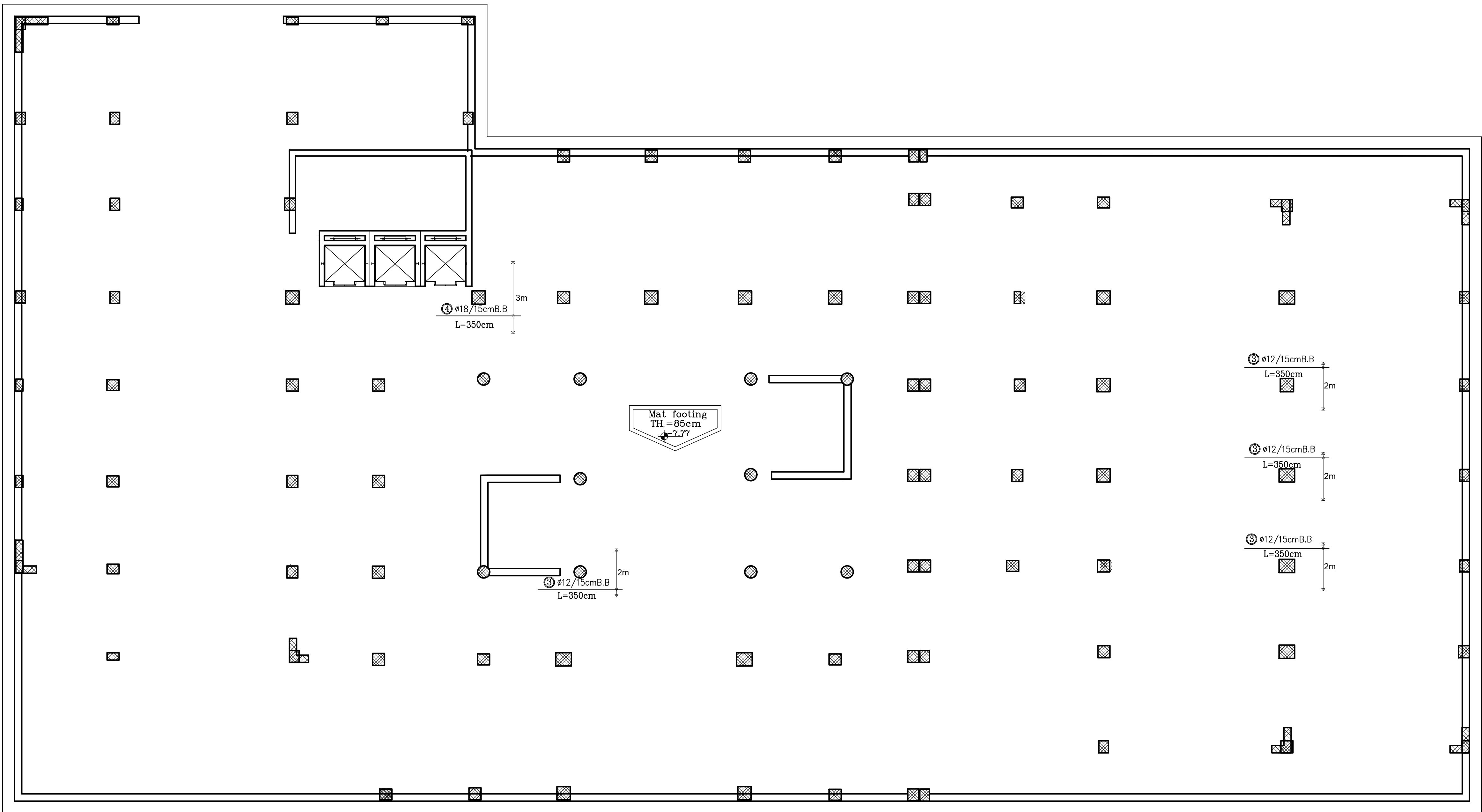
Mat Reinforcement

Sheet:

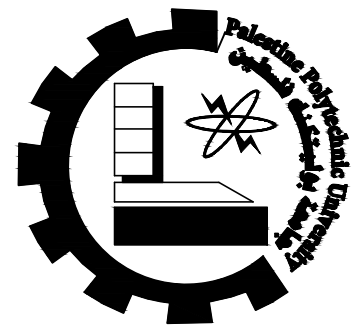
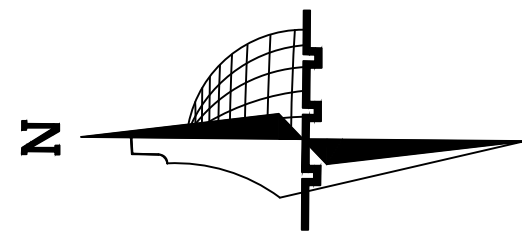
S47

Scale: 1:100

Additional Reinforcement to Ø20/15cm
Bottom Reinforcement



GENERAL NOTES



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Sheet Title:

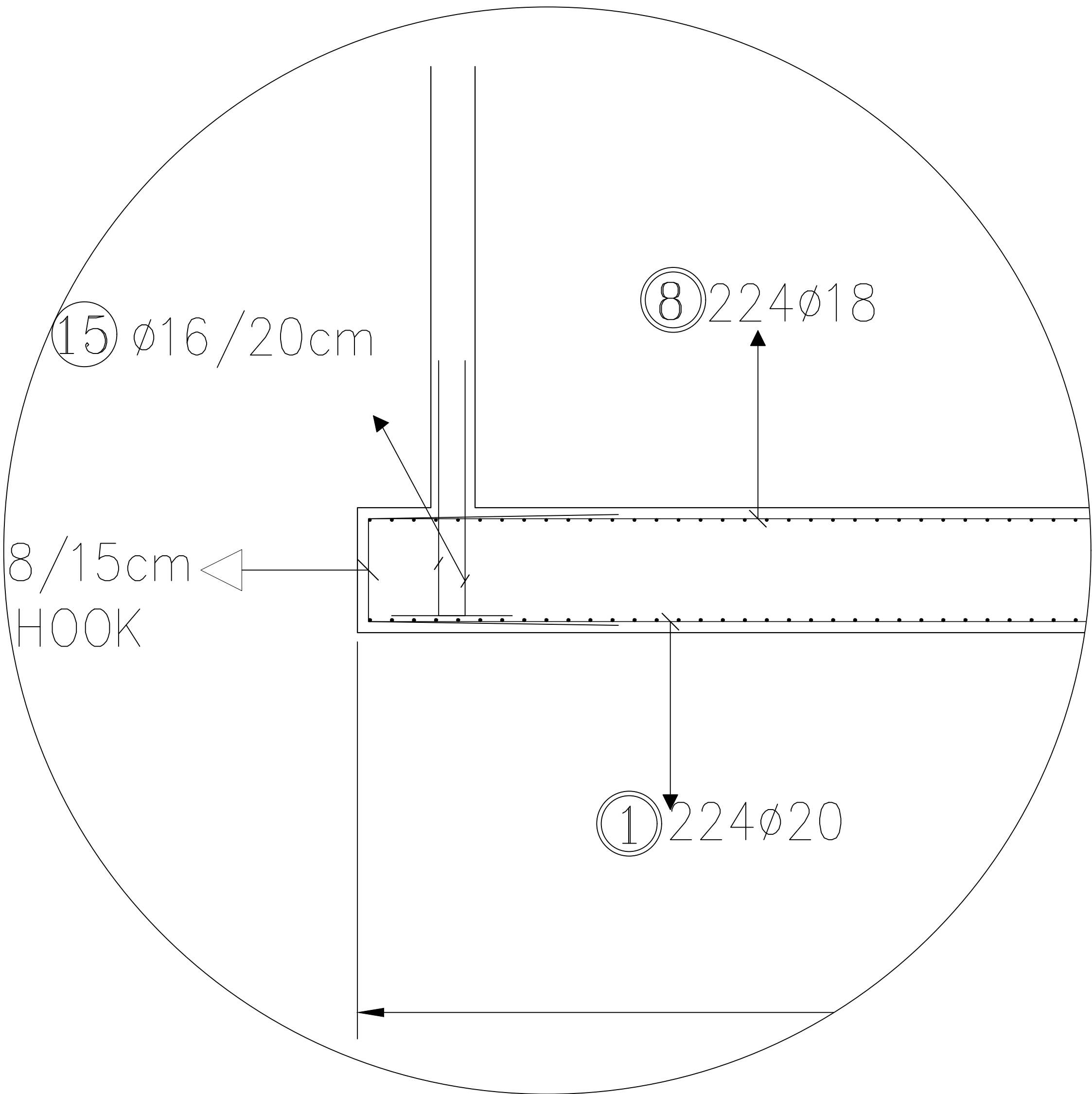
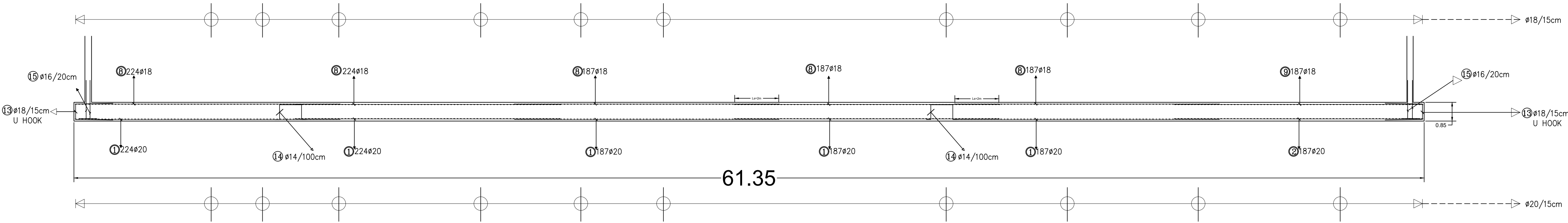
Section A–A

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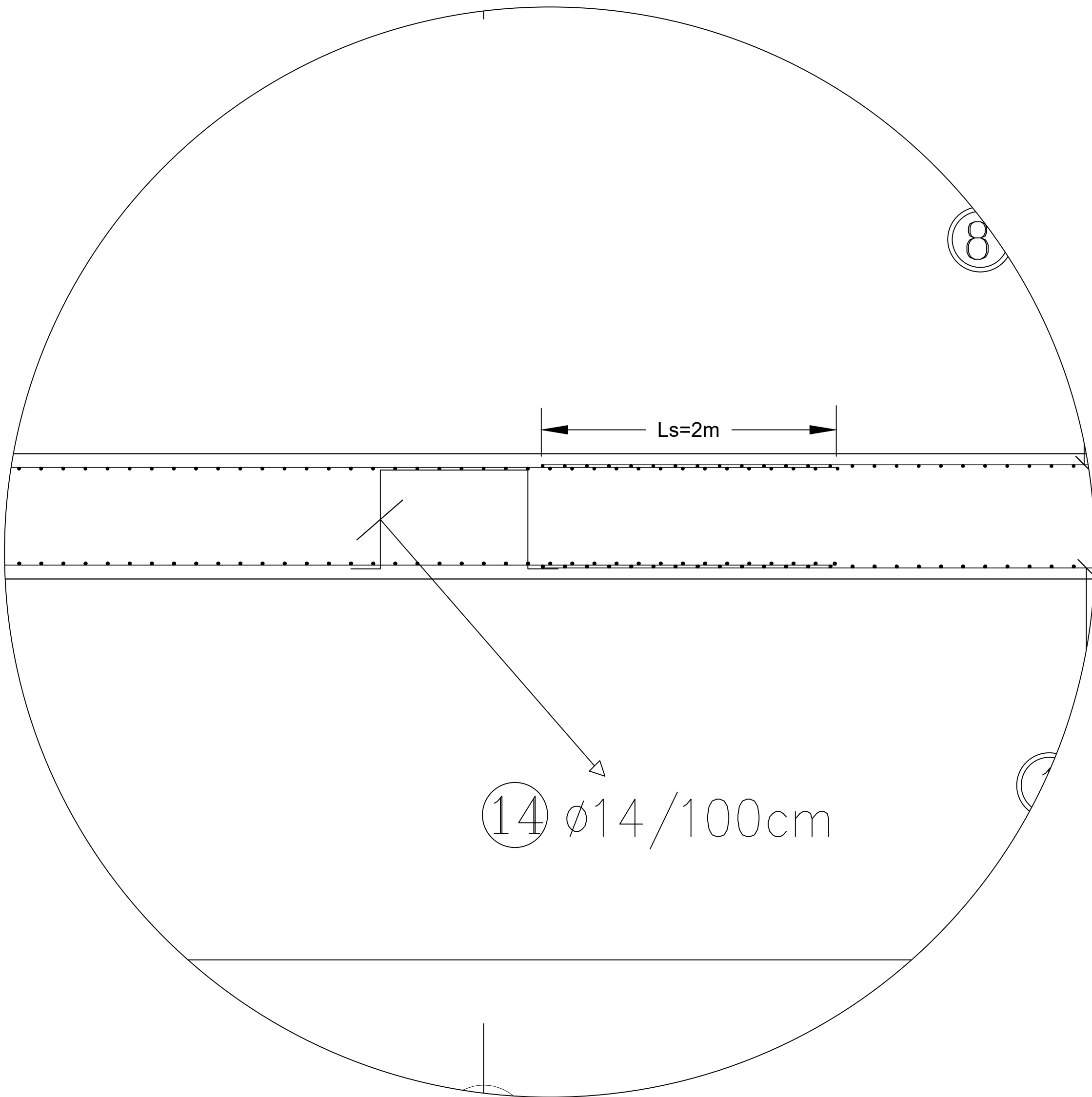
S48

Scale: 1:100

Section A-A
Mat Foundation
 $H=85\text{ cm}$, $c=7.5\text{ cm}$

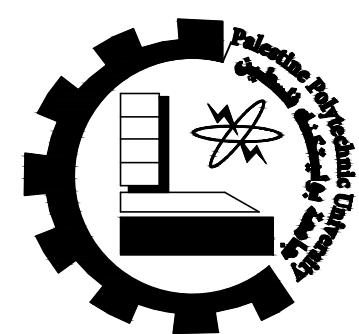
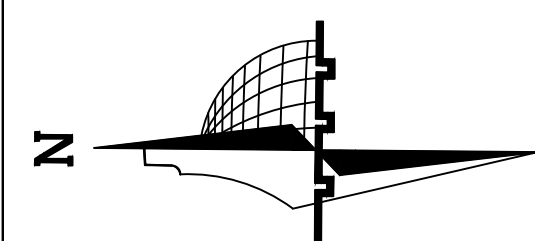


Scale 1:25



Scale 1:25

GENERAL NOTES



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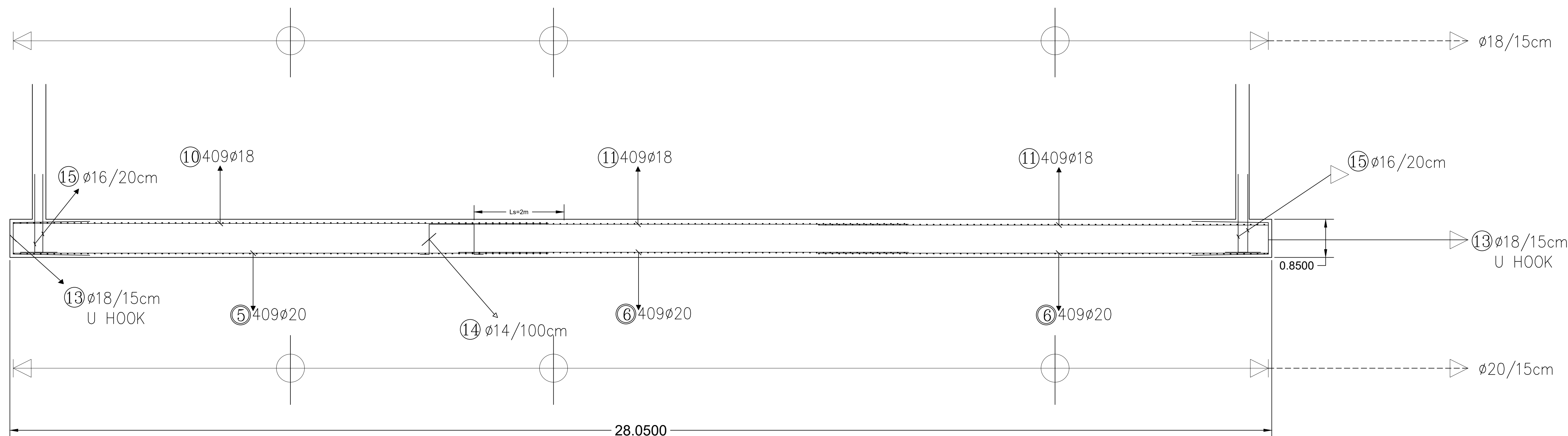
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Section B–B

Sheet:

S49

Scale: 1:50

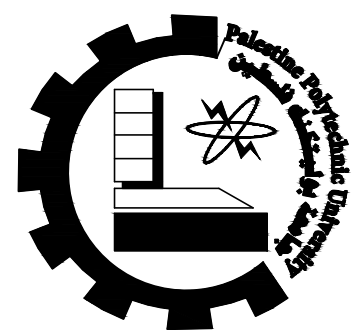
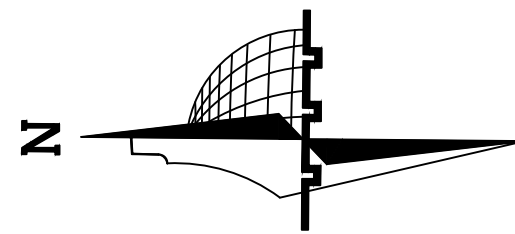


Section B-B
Mat Foundation
H=85cm,,c=7.5cm

Steel Details

① 1009ø20/L=12m	② 187ø20/L=11.25m	③ 58ø12/L=3.5m	④ 21ø18/L=3.5m	⑤ 409ø20/L=11.9m
1200	1125	350	350	1190
⑥ 818ø20/L=10m	⑦ 134ø20/L=7.5m	⑧ 1009ø18/L=12m	⑨ 187ø18/L=11.25m	⑩ 409ø18/L=11.9m
1000	750	1200	1125	1190
⑪ 818ø18/L=10m	⑫ 134ø18/L=7.5m	⑬ 1267ø18/L=4.1m	⑭ ø14/100cm/L=2.24m	⑮ ø16/20cm/L=2.235m
1000	750	170 70 170	50 67 20 67 20	173.5 50

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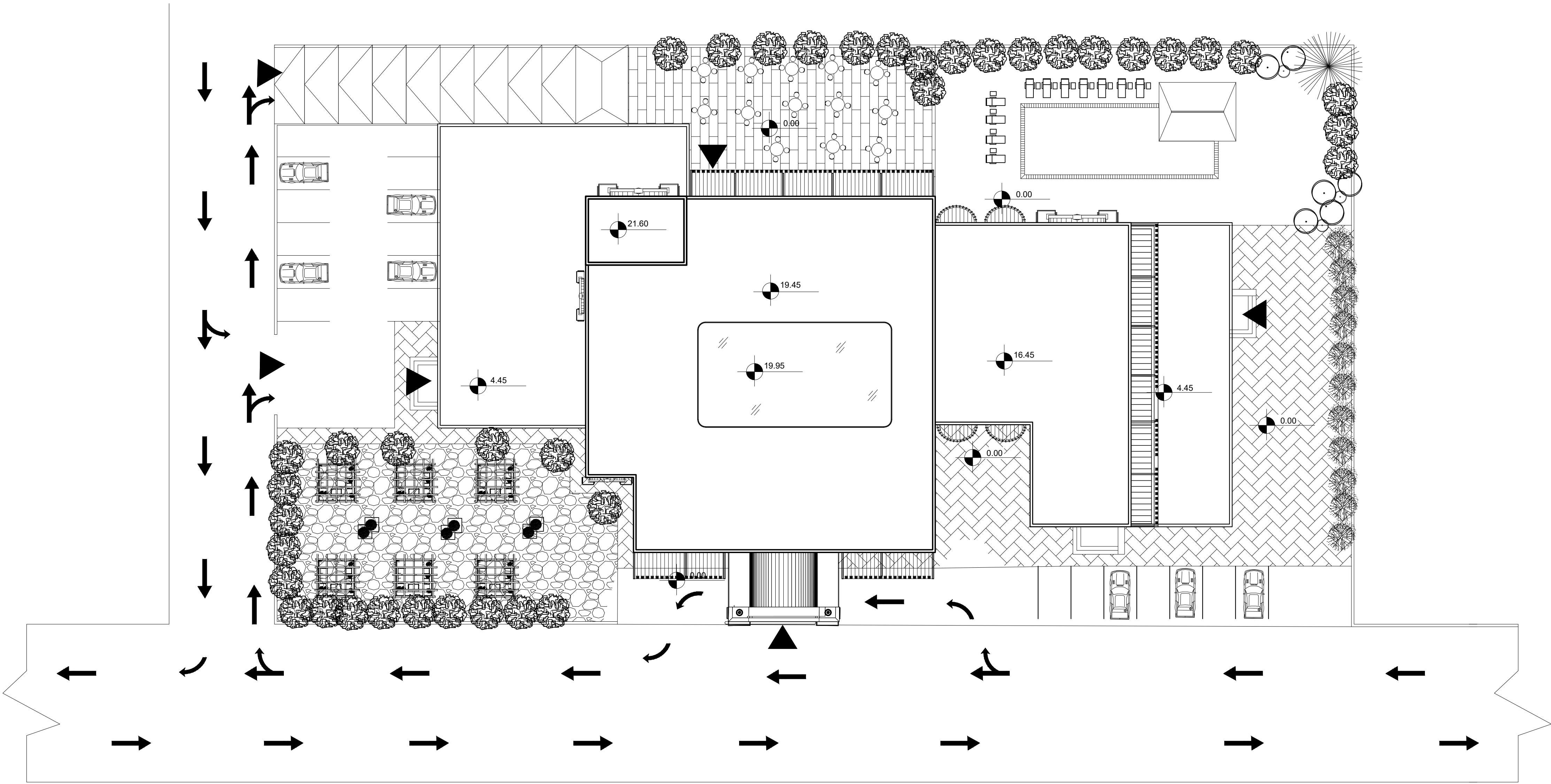
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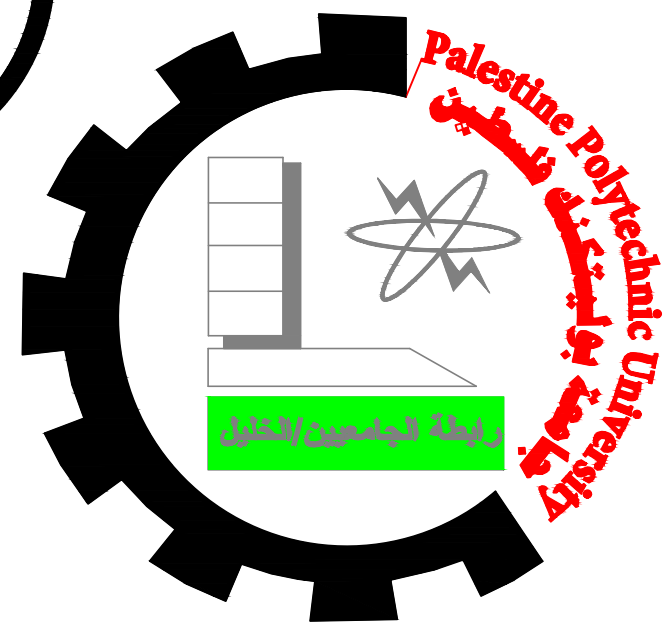
Site Plan

Sheet:

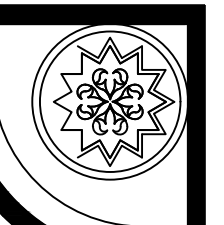
A00

Scale: 1:200





Palestine Polytechnic University
College of Engineering and Technology
Civil & Architecture Department
Building Engineering



Graduation Project
Structural design for a proposed building
(Al-Manar Hotel)

Designed by:
Ahmad Nimer
Hamza Ammar
Mahmoud Al-Amleh



Supervisor:
Dr. Belal Al-Masri .

