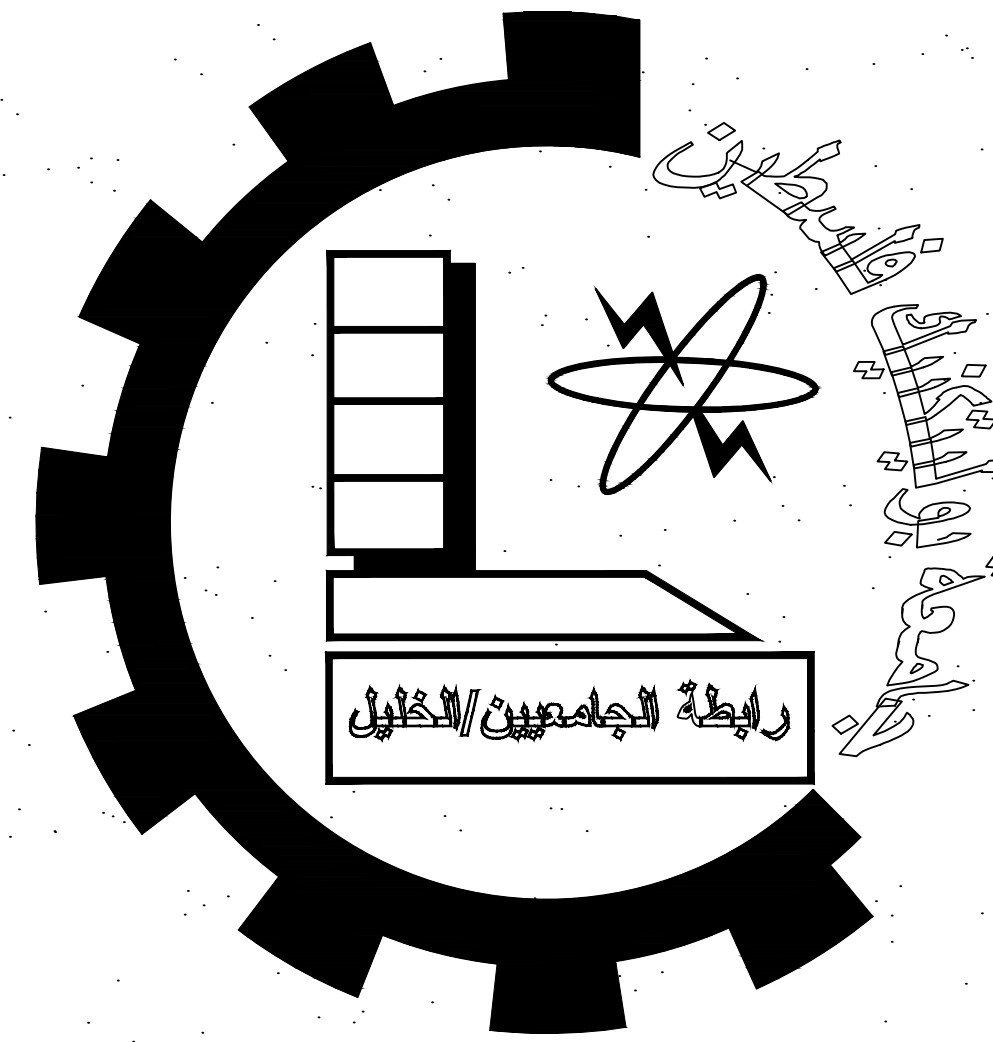




Palestine Polytechnic University
College Of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project:
Structural Design Of Hebron Hotel

Done By :

Mohammad Sameer Nawajaa
Mohammad Eyad Abu-Zahra
Sadam Musa Abu-Qbeta

Supervisor:

Dr.Hamdi Idais

Date:

21/5/2023

LIST OF DRAWINGS

ARCHITECTURAL		STRUCTURE			
DWG.NO.	DWG.TITLE.	DWG.NO.	DWG.TITLE.	DWG.NO.	DWG.TITLE.
A00	Site Plan	S00	General Notes	S20	Basement Floor Rib Distribution
A01	Site Plan Dimension	S01	Foundation Plan	S21	Basement Floor Rib Reinforcement
A02	Basement Floor Dimension	S02–S04	Mat Foundation Reinforcement	S22	Ground Floor Rib Distribution
A03	Ground Floor Dimension	S05–S06	Strip & isolated Foundation Reinforcement	S23	Ground Floor Rib Reinforcement
A04	1st Floor Dimension	S07	Column's Plan	S24	1st Floor Rib Distribution
A05	2th–5th Floor Dimension	S08–S09	Column's Detailings	S25	1st Floor Rib Reinforcement
A06	Basement Floor Furniture	S10	Column C1 & C2	S26	2nd–5th Floor Rib Distribution
A07	Ground Floor Furniture	S11	Column C4	S27	2nd–5th Floor Rib Reinforcement
A08	1st Floor Furniture	S12	Column C5	S28	StairCase Floor Steel Dist & Reinf
A09	2nd–5th Floor Furniture	S13	Column C6	S29–S61	Beams Reinforcement Details
A10	North Elevation	S14	Column C7 & C8	S62	Frame 1 Reinforcement
A11	West Elevation	S15	Column C9 & C10	S63	Frame 2 Reinforcement
A12	South Elevation	S16	Wall's Plan	S64–S65	Frame's Beams Reinforcement Details
A13	East Elevation	S17	Shear Wall 1 Reinforcement	S66	Stair Reinforcement
A14	Section A–A	S18	Shear Wall 2 Reinforcement		
A15	Section B–B	S19	Basement & Shear Wall 3 Reinforcement		



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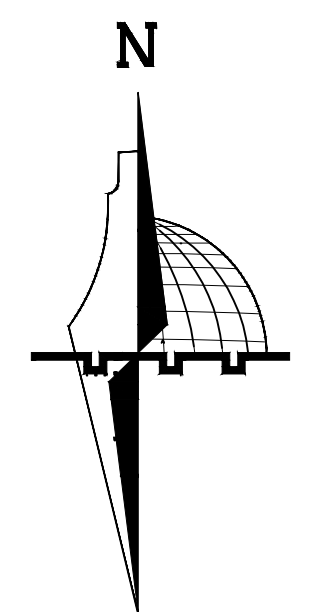
College of Engineering

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Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materials		GRASS

DRAWING TITLE :

LIST OF DRAWINGS

Supervisor

Dr.Hamdi idais.

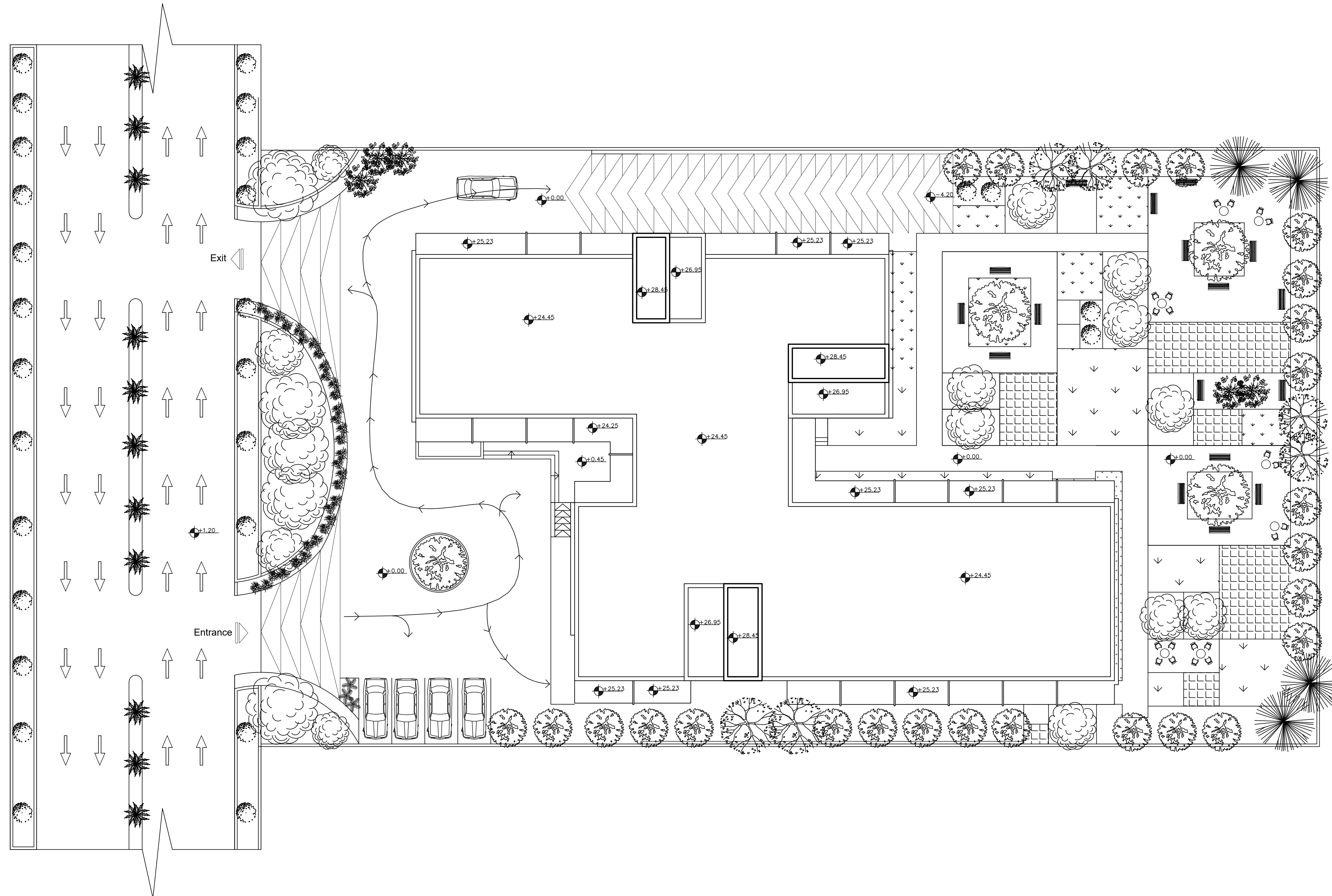
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/150		21/05/2023

SITE PLAN

SCALE: 1/150



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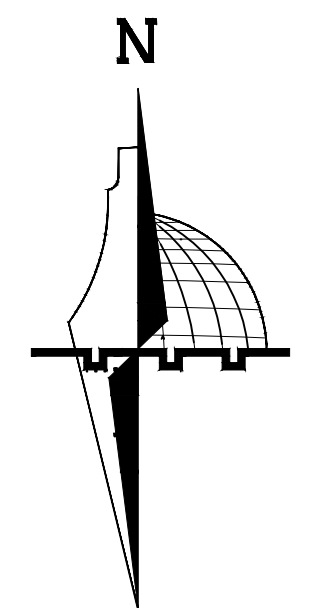
College of Engineering

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Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

SITE PLAN

Supervisor

Dr.Hamdi idais.

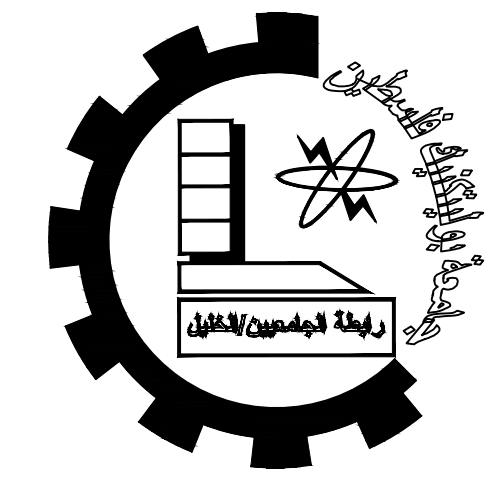
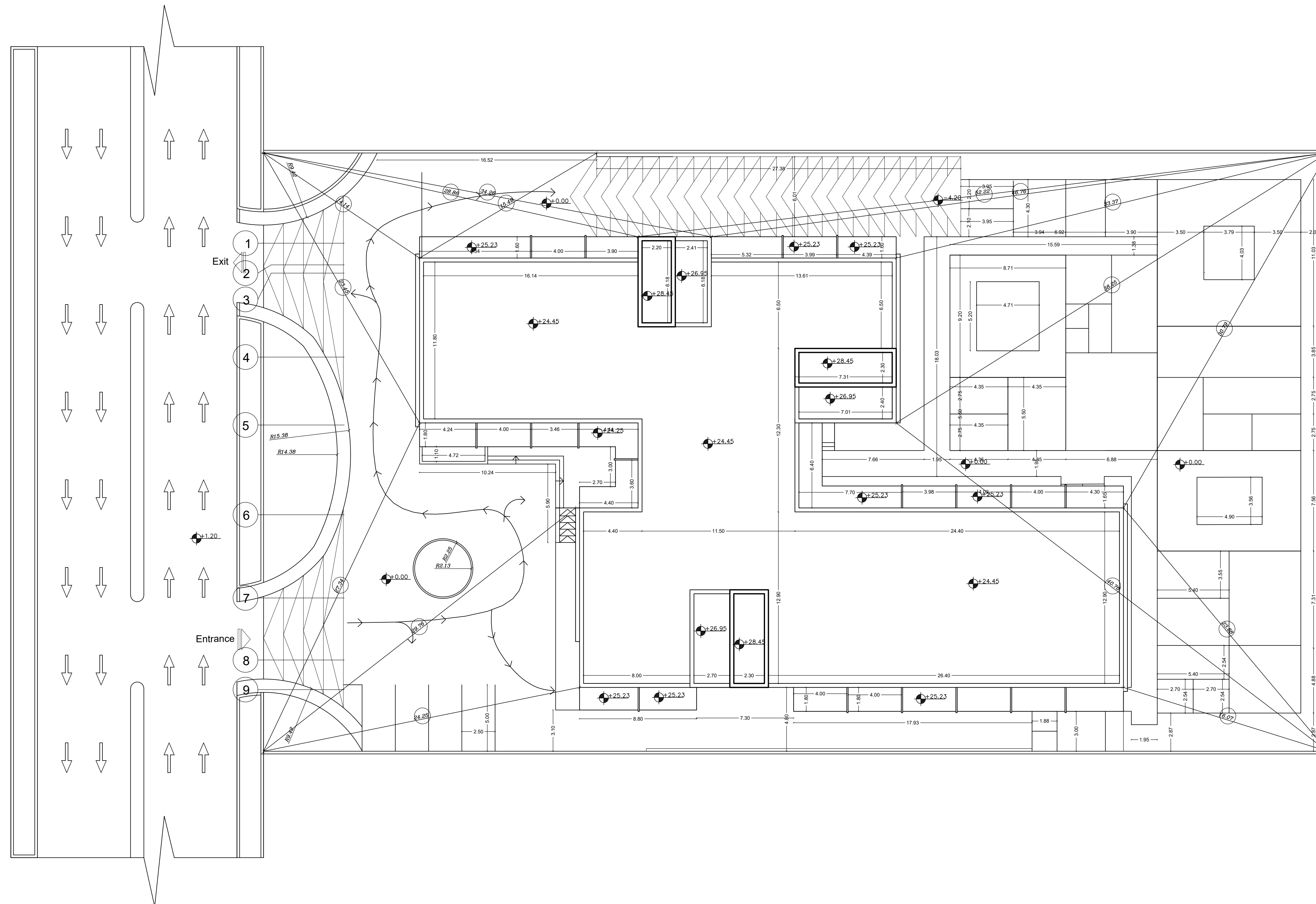
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Sadam AbuQbete
Mohammad Nawajaa

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SITE PLAN DIMENSION

SCALE: 1/150



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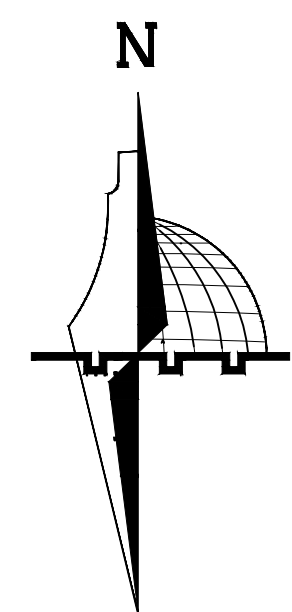
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Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materials		GRASS

DRAWING TITLE :

SITE PLAN DIMENSION

Supervisor

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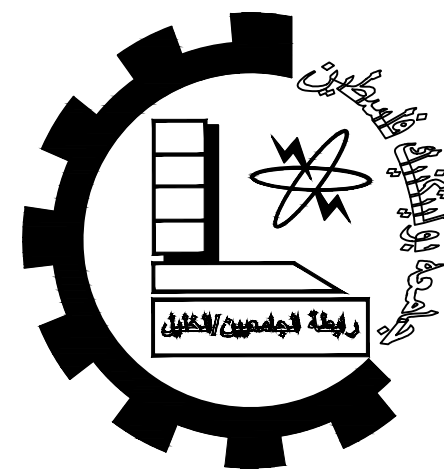
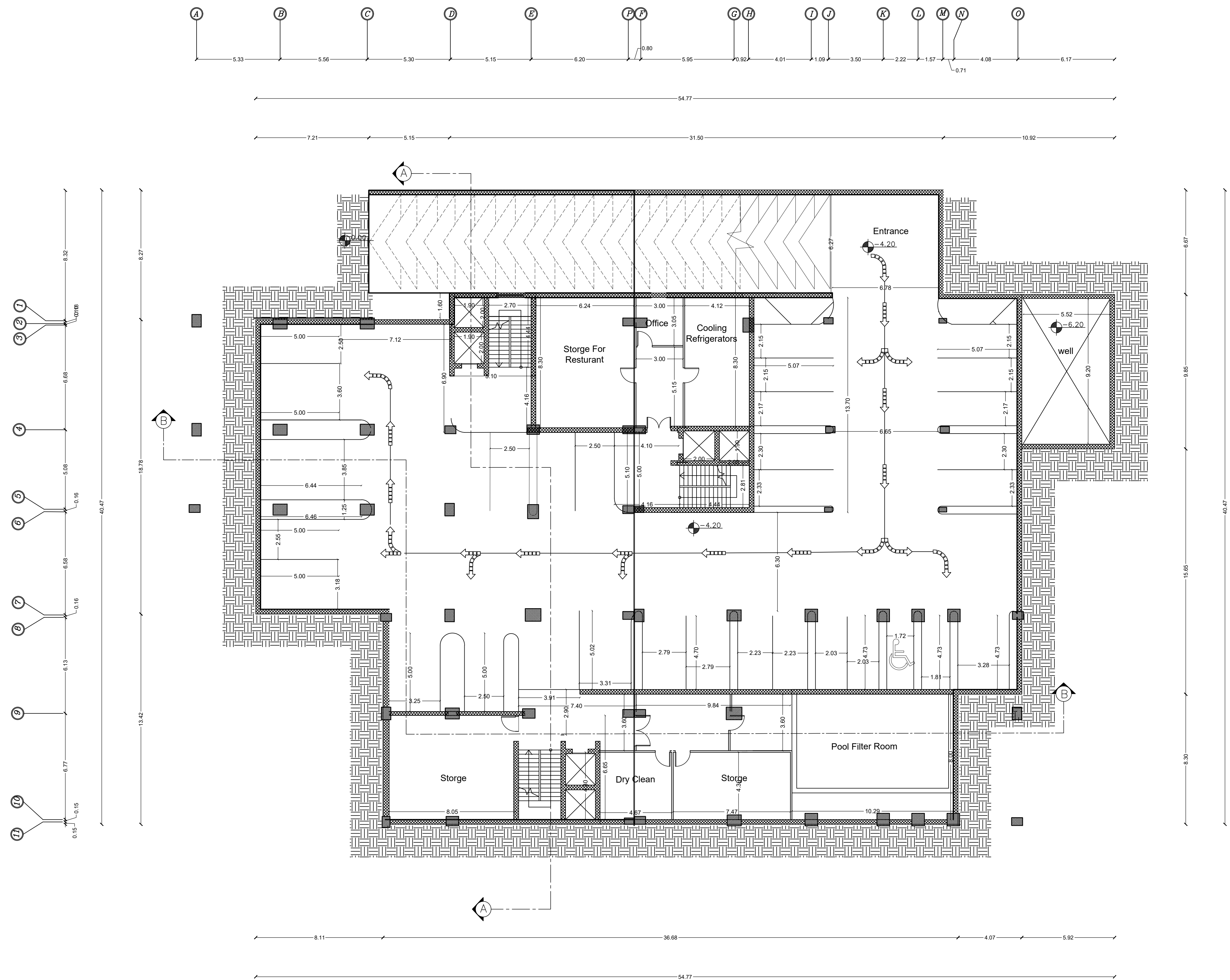
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/150	A01	21/05/2023

BASEMENT FLOOR DIMENSION

SCALE: 1/150



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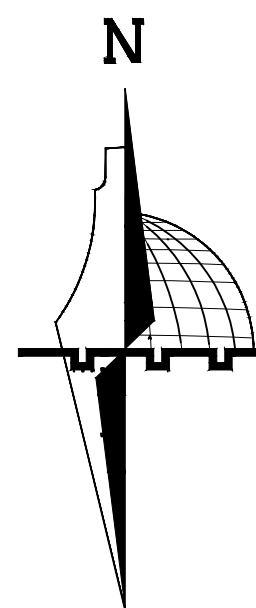
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Structural Design For

Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

BASEMENT FLOOR
DIMENSION

Supervisor

Dr.Hamdi idais.

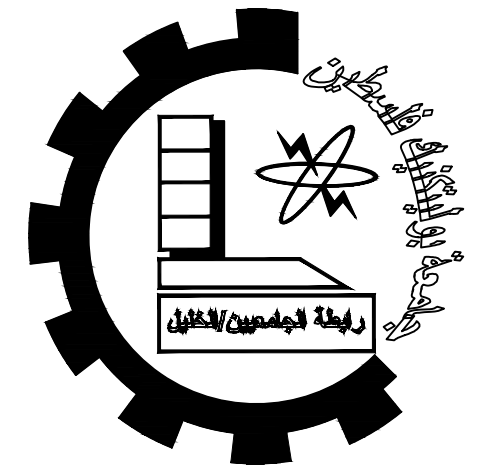
Done by :

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Mohammad Nawajaa

SCALE	No. of DRAW	DATE
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GROUND FLOOR DIMENSION

SCALE: 1/150



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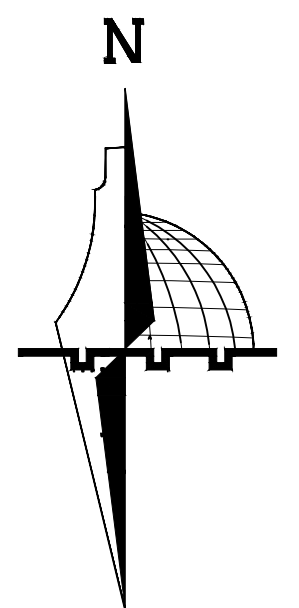
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Graduation Project

Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

GROUND FLOOR
DIMENSION

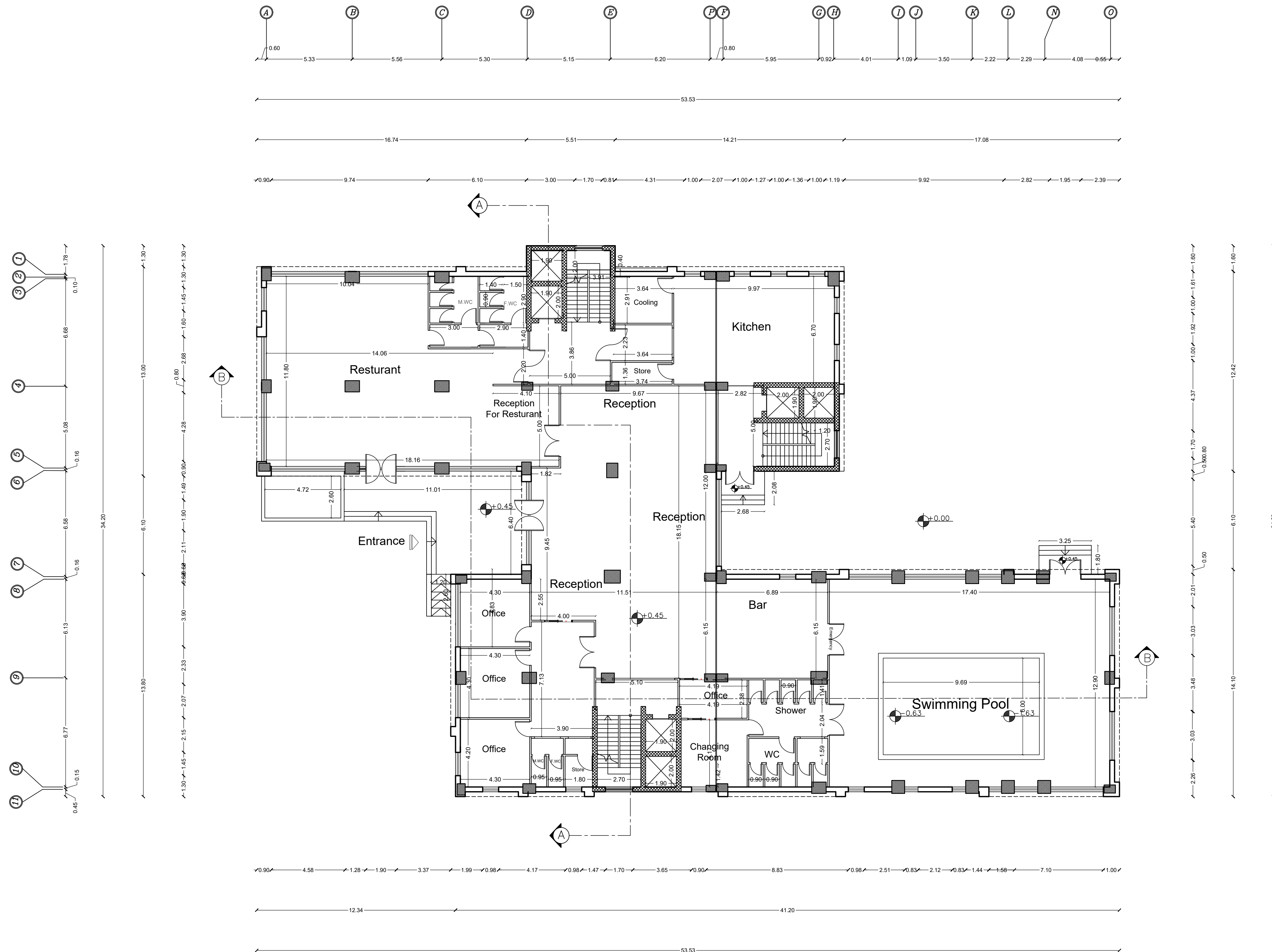
Supervisor

Dr.Hamdi idais.

Done by :

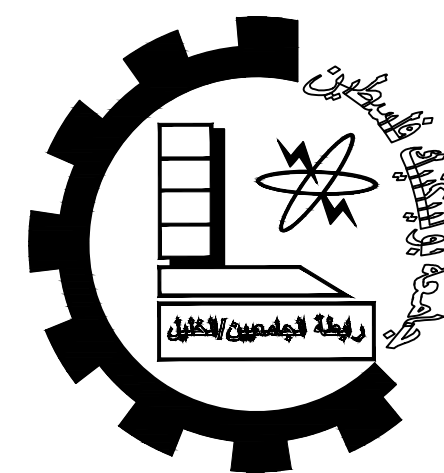
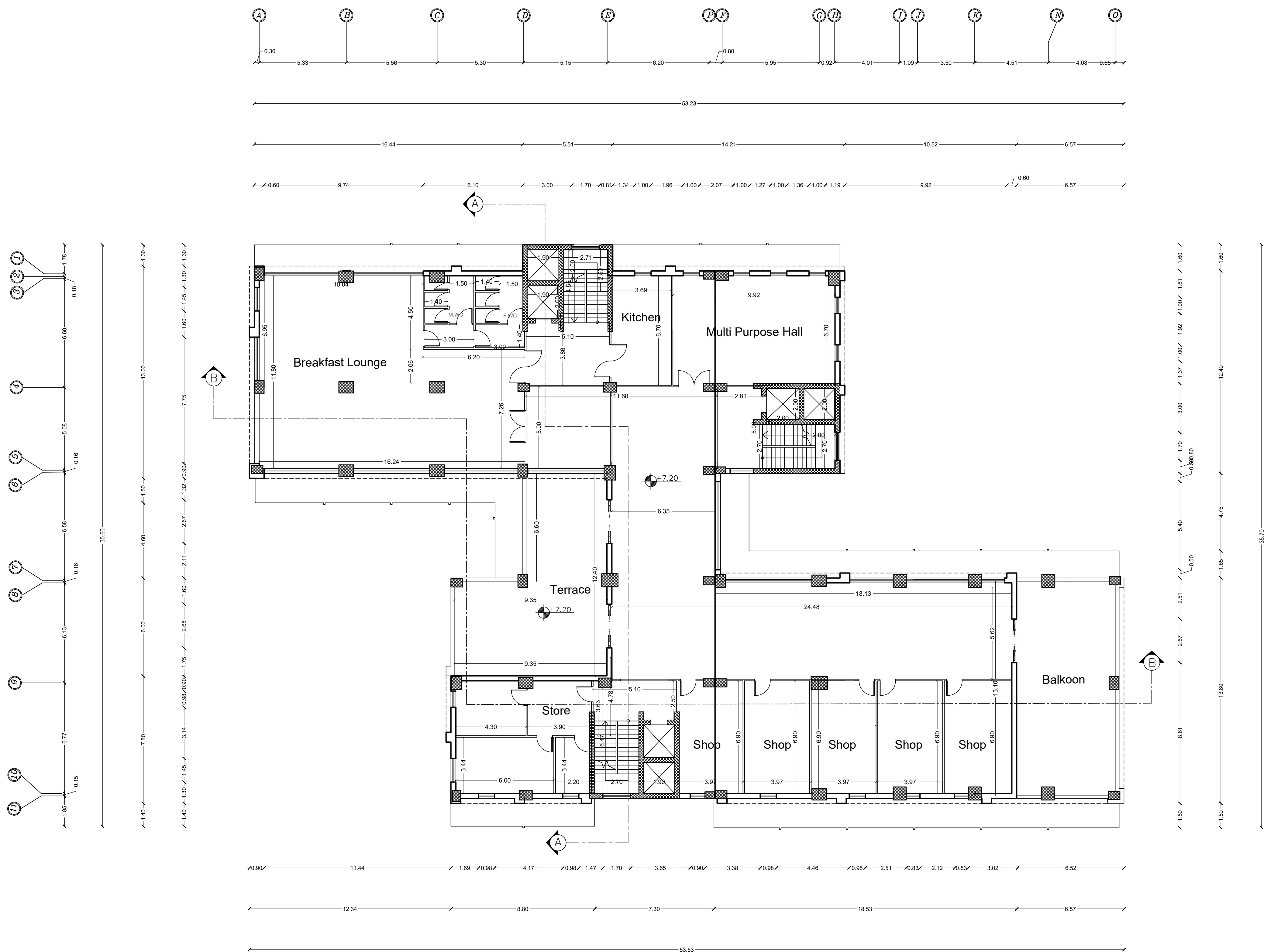
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

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FIRST FLOOR DIMENSION

SCALE: 1/150



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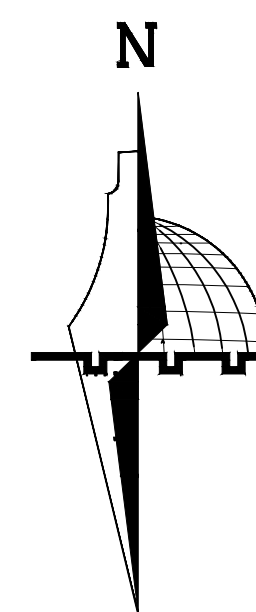
Civil Engineering Department

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Structural Design For

Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

1ST FLOOR DIMENSION

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/150	A04	21/05/2023

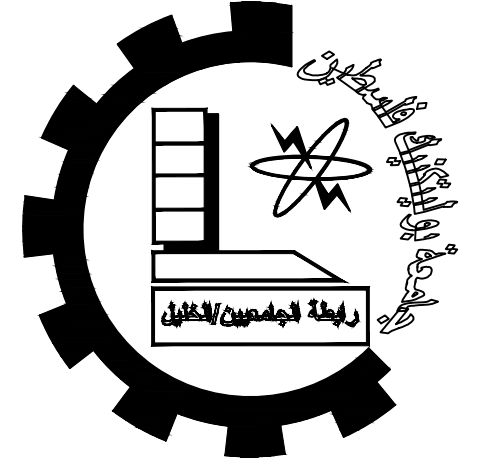
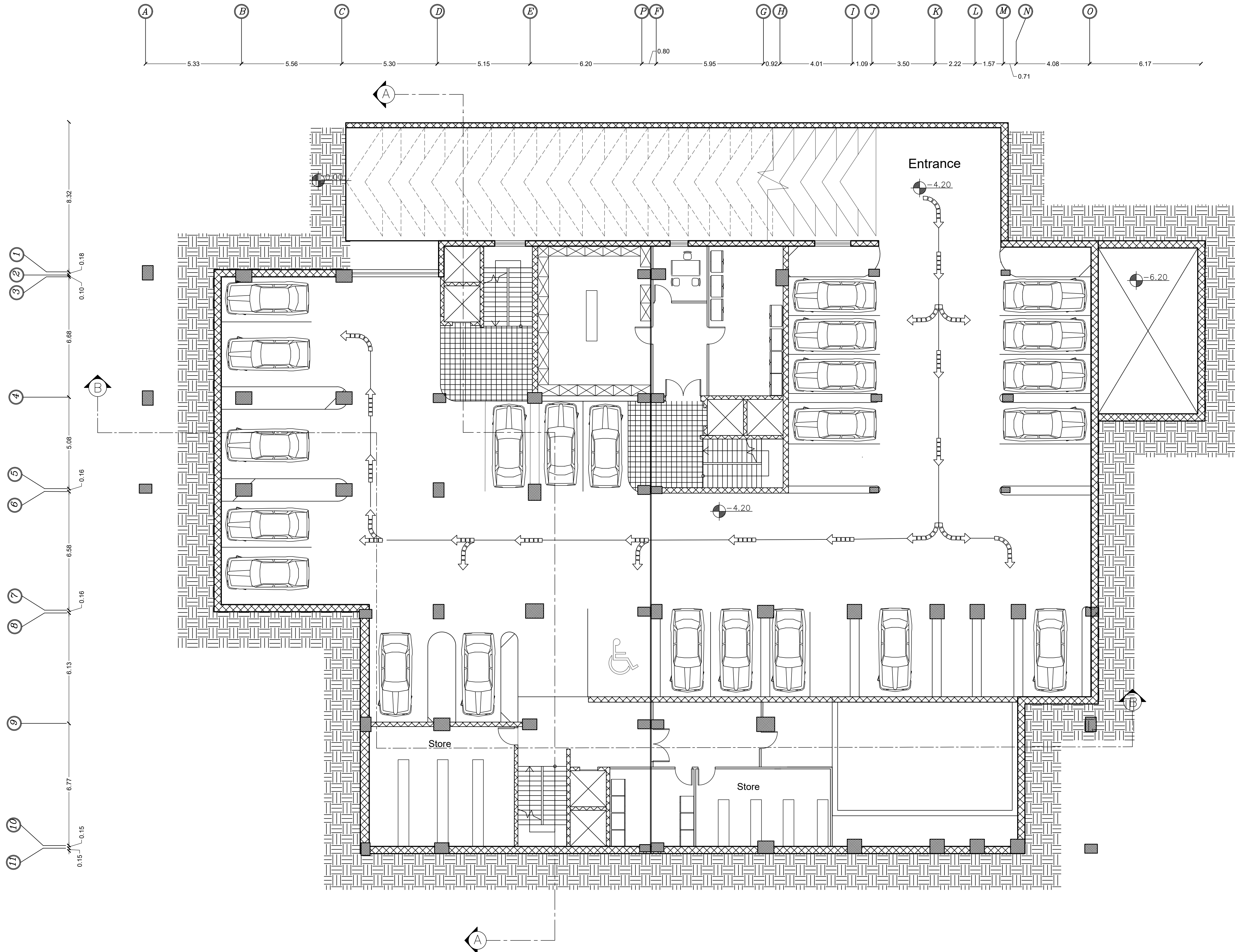
2ND-5TH FLOOR DIMENSION

SCALE: 1/150



BASEMENT FLOOR FURNITURE

SCALE: 1/100



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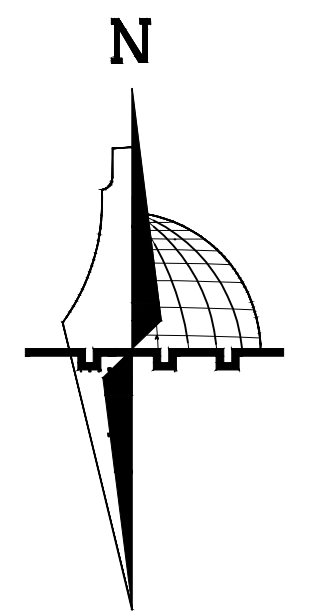
College of Engineering

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Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

BASEMENT FLOOR
FURNITURE

Supervisor

Dr.Hamdi idais.

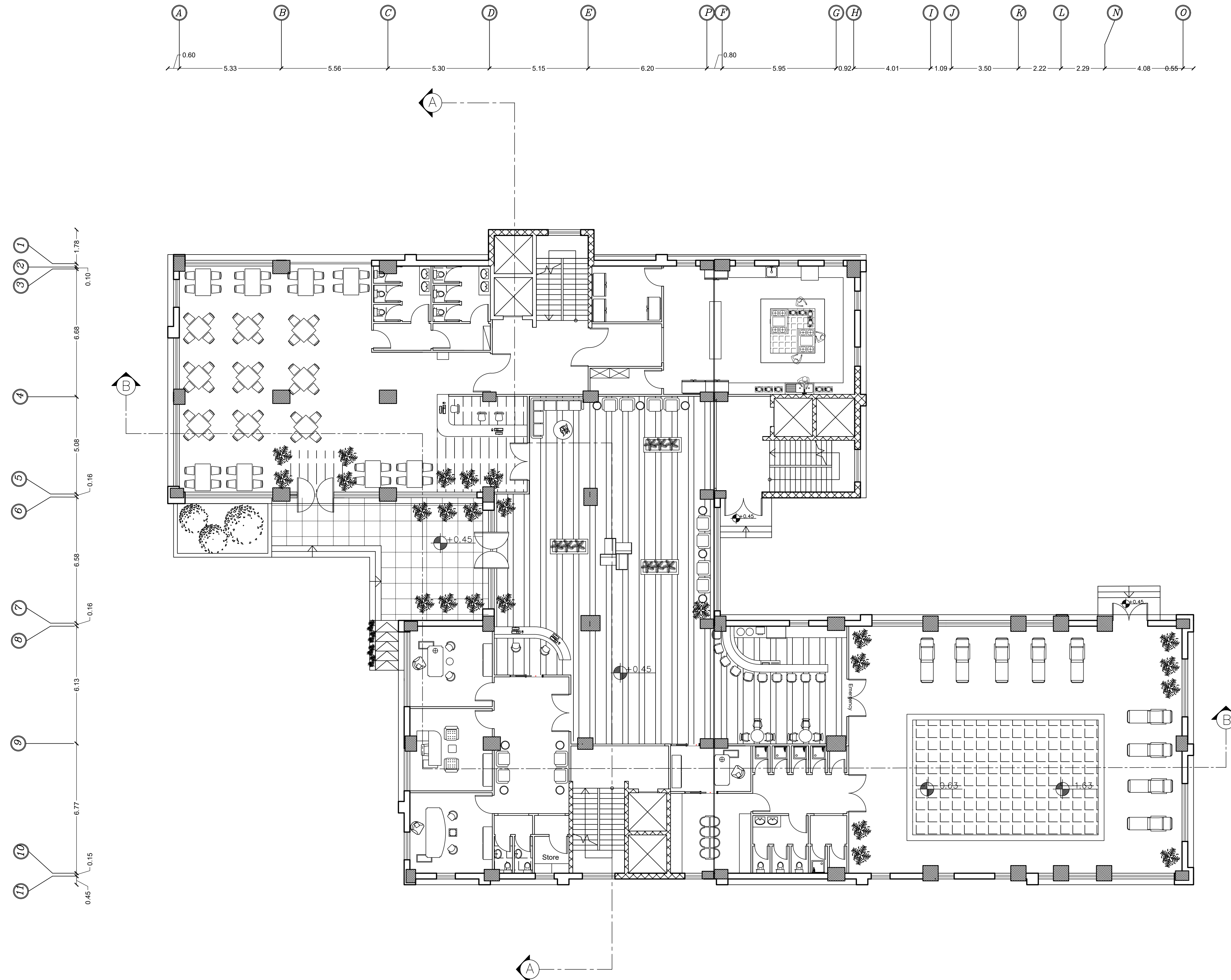
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A06	21/05/2023

GROUND FLOOR FURNITURE

SCALE: 1/100



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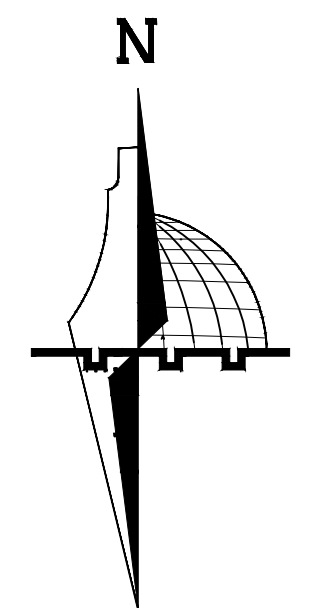
College of Engineering

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Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

GROUND FLOOR
FURNITURE

Supervisor

Dr.Hamdi idais.

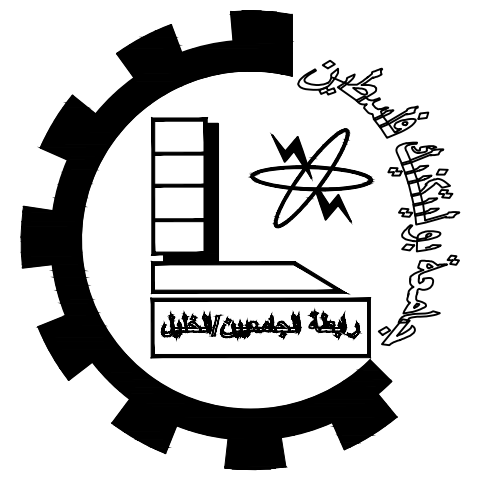
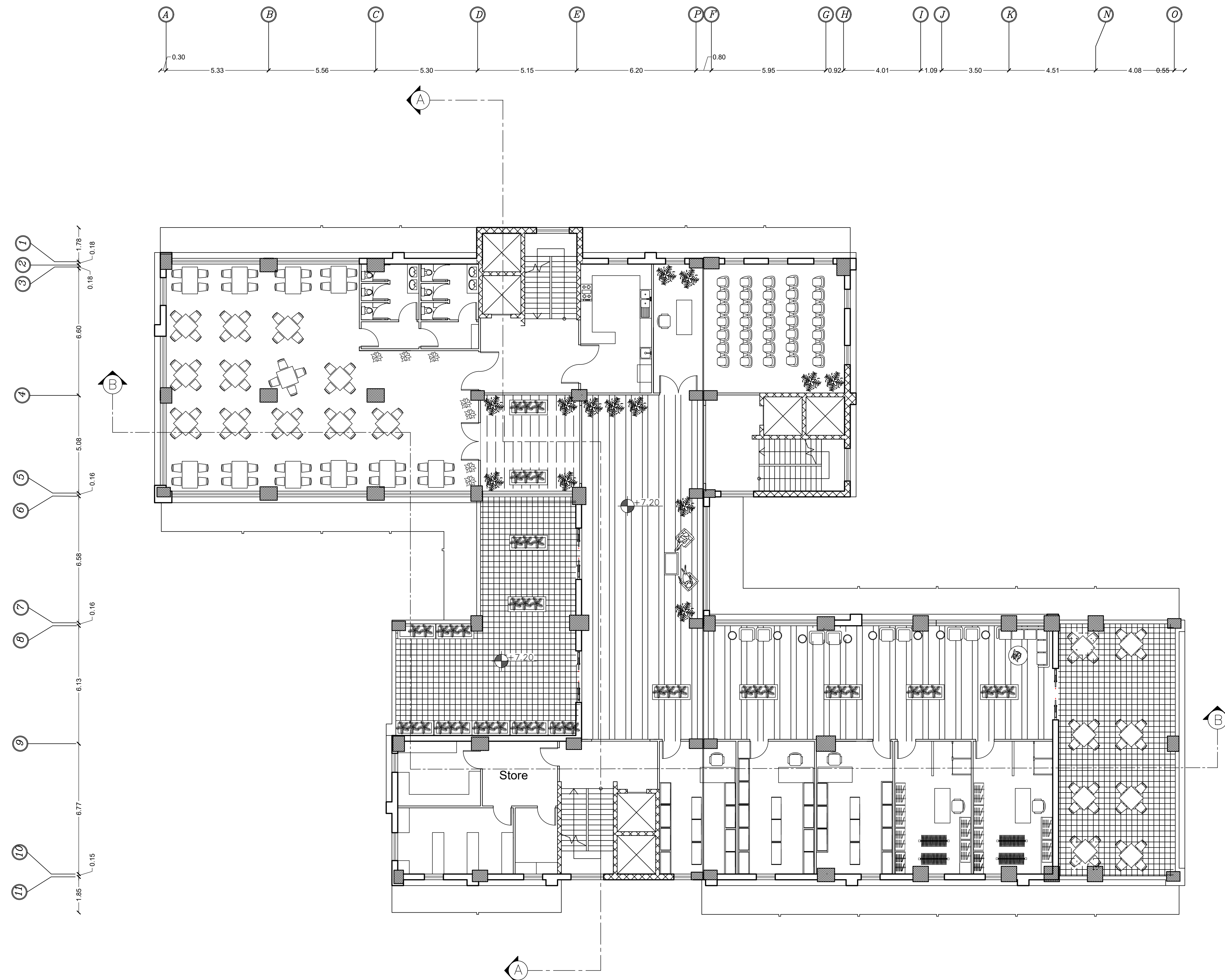
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A07	21/05/2023

FIRST FLOOR FURNITURE

SCALE: 1/100



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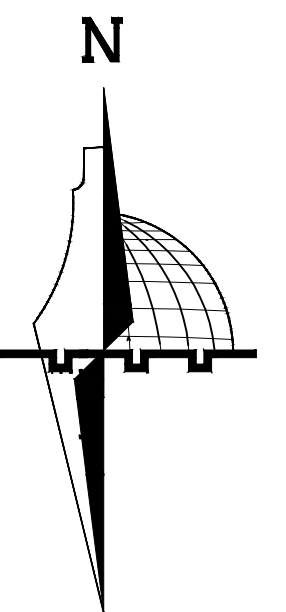
College of Engineering

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Graduation Project

Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

DRAWING TITLE :

1ST FLOOR FURNITURE

Supervisor

Dr.Hamdi idais.

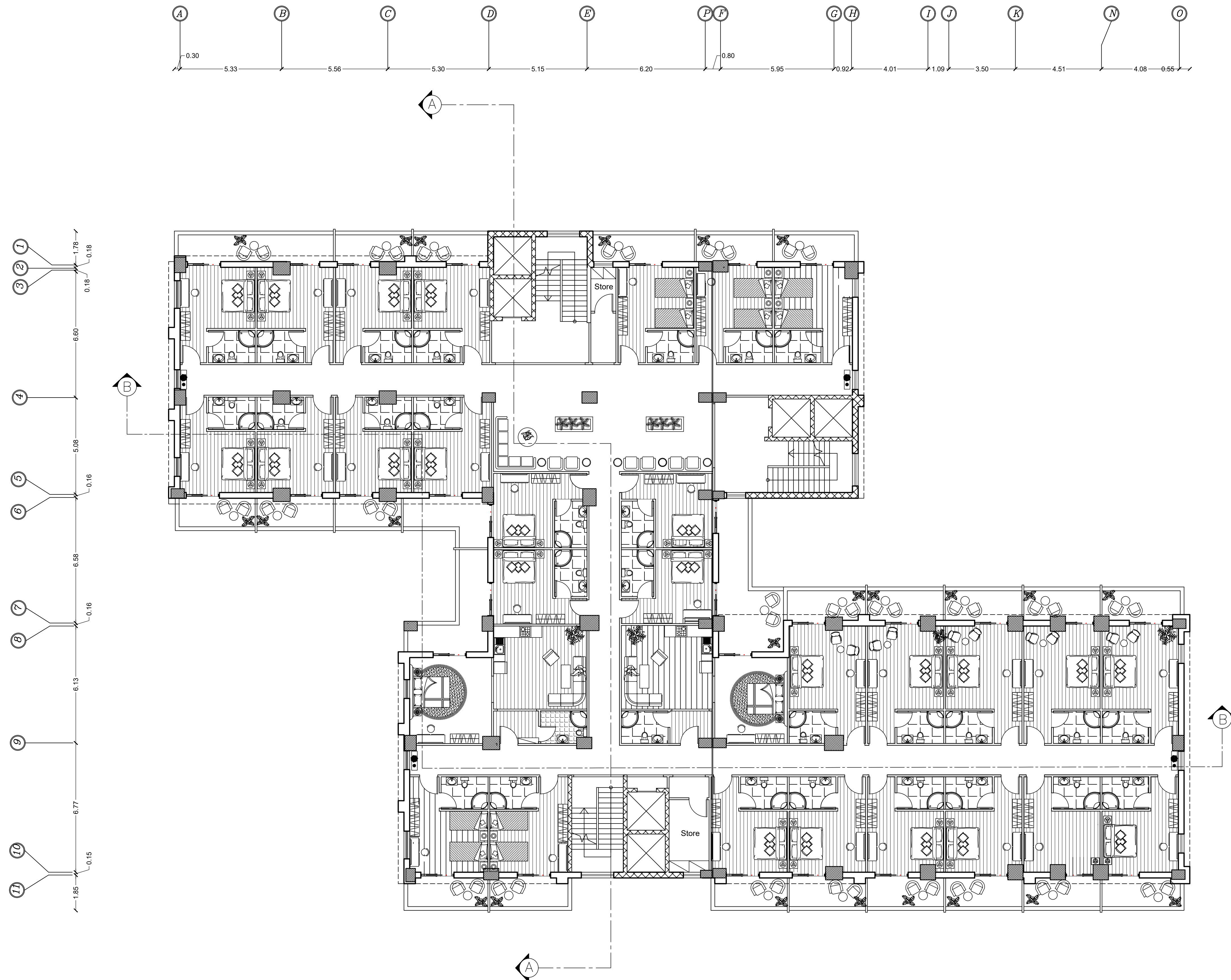
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
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2ND-5TH FLOOR FURNITURE

SCALE: 1/100



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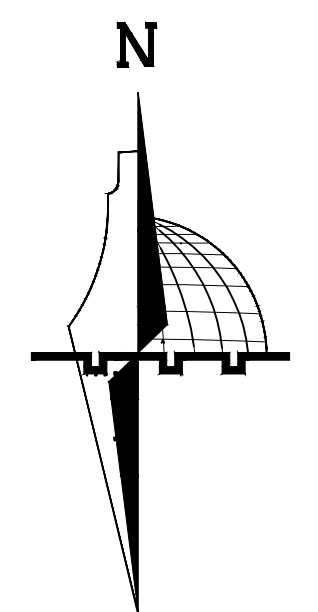
Civil Engineering Department

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Graduation Project

Structural Design For

Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

2ND-5TH FLOOR
FURNITURE

Supervisor

Dr.Hamdi idais.

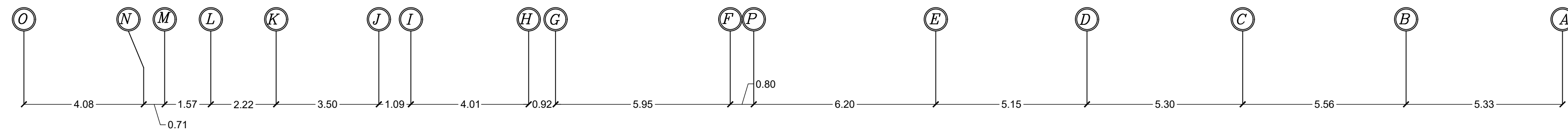
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A09	21/05/2023

NORTH ELEVATION

SCALE: 1/100



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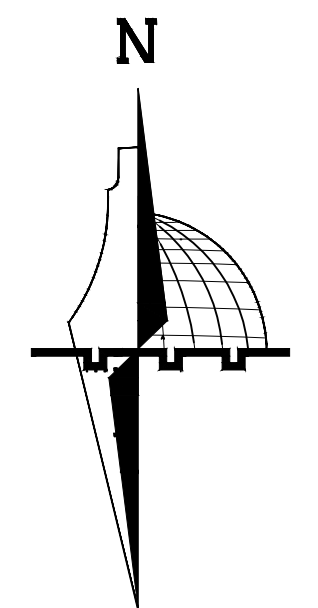
College of Engineering

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Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

NORTH ELEVATION

Supervisor

Dr.Hamdi idais.

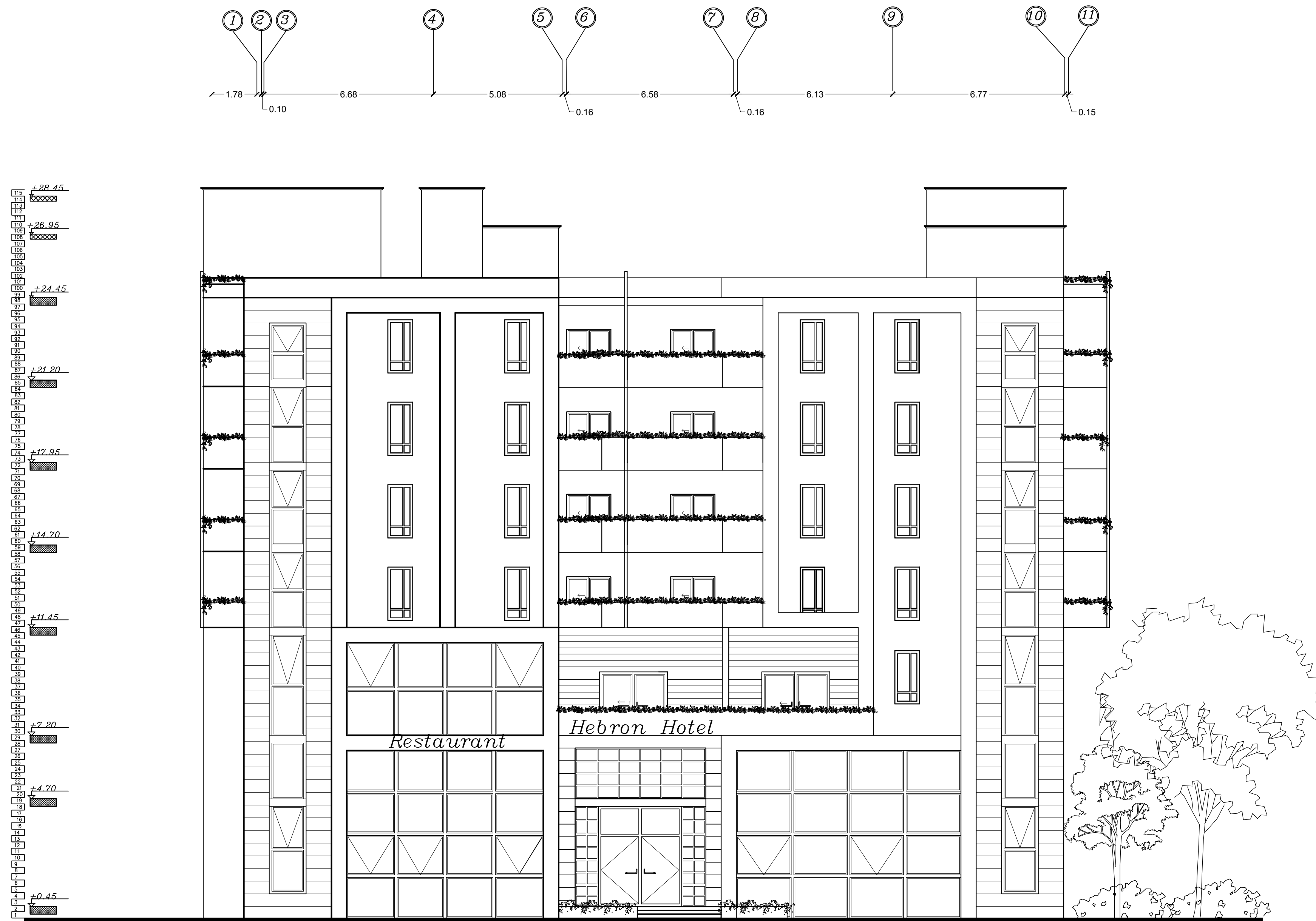
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A10	21/05/2023

WEST ELEVATION

SCALE: 1/100



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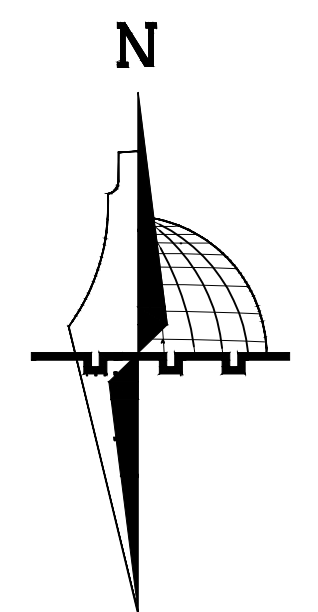
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

WEST ELEVATION

Supervisor

Dr.Hamdi idais.

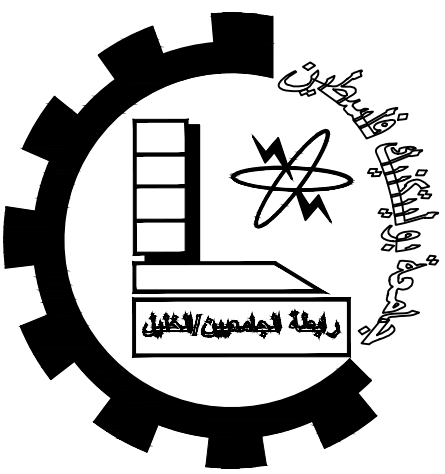
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A11	21/05/2023

SOUTH ELEVATION

SCALE: 1/100



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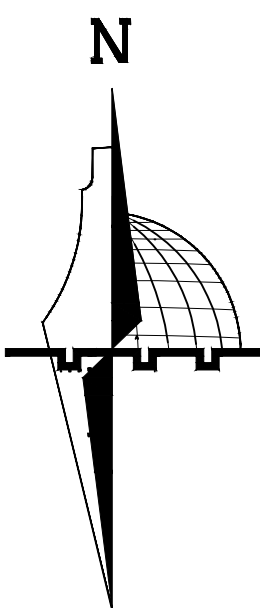
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

SOUTH ELEVATION

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra

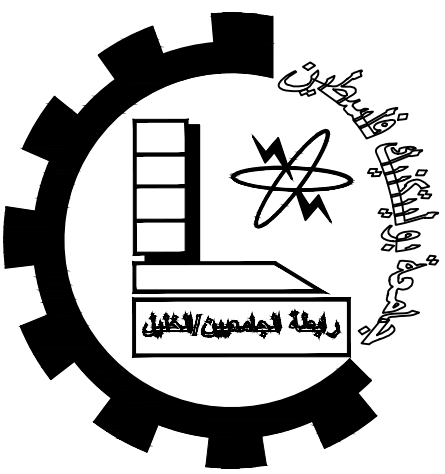
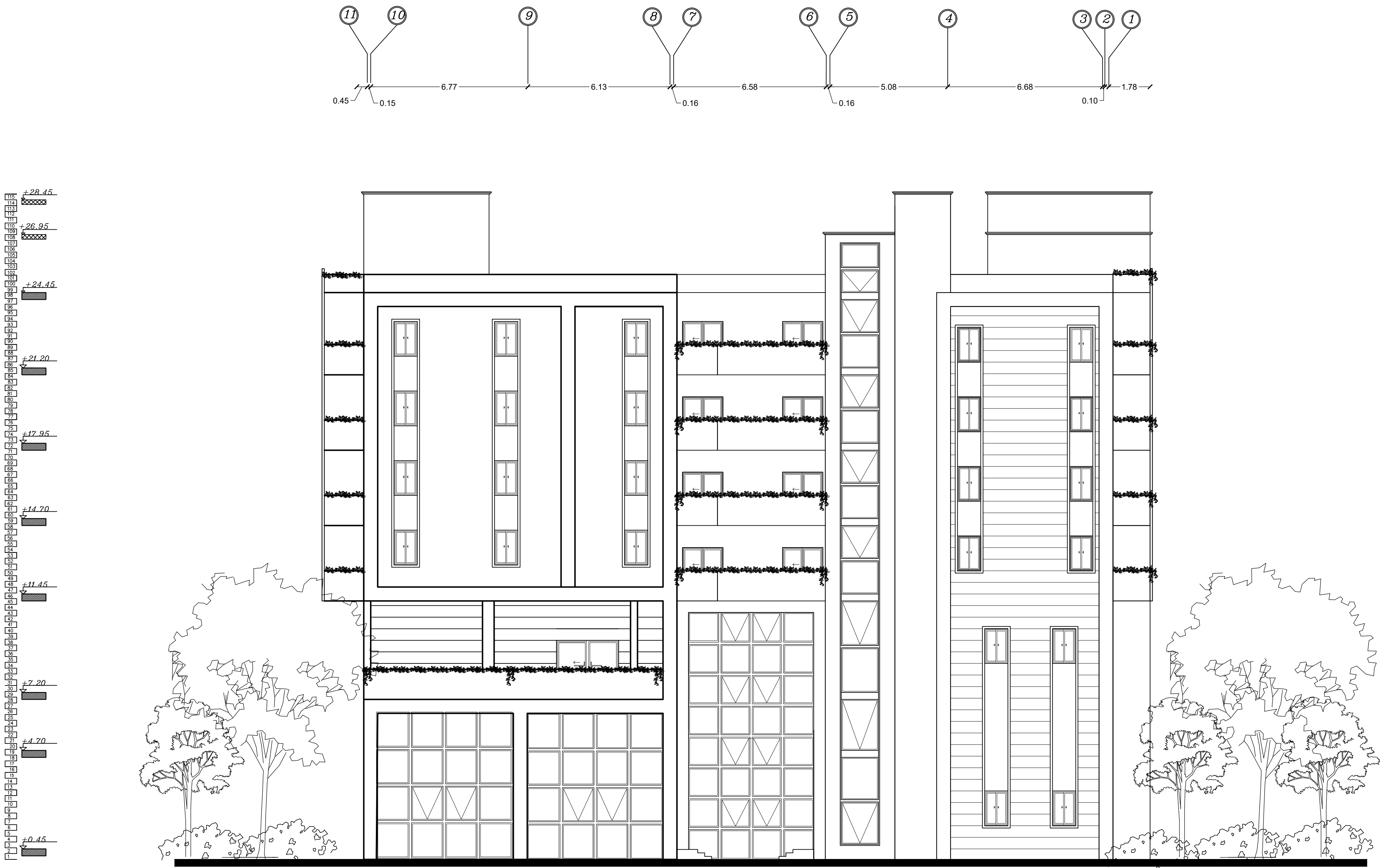
Sadam AbuQbete

Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A12	21/05/2023

EAST ELEVATION

SCALE: 1/100



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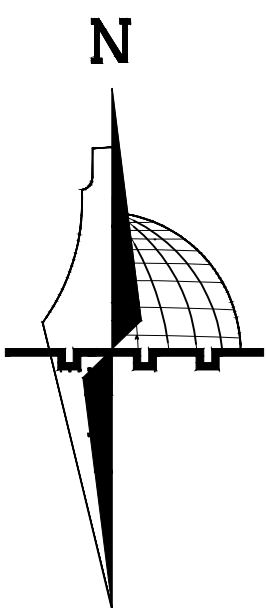
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

- | | |
|---------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materials | GRASS |

DRAWING TITLE :

EAST ELEVATION

Supervisor

Dr.Hamdi idais.

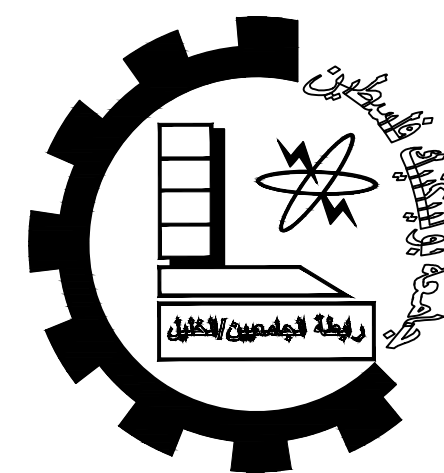
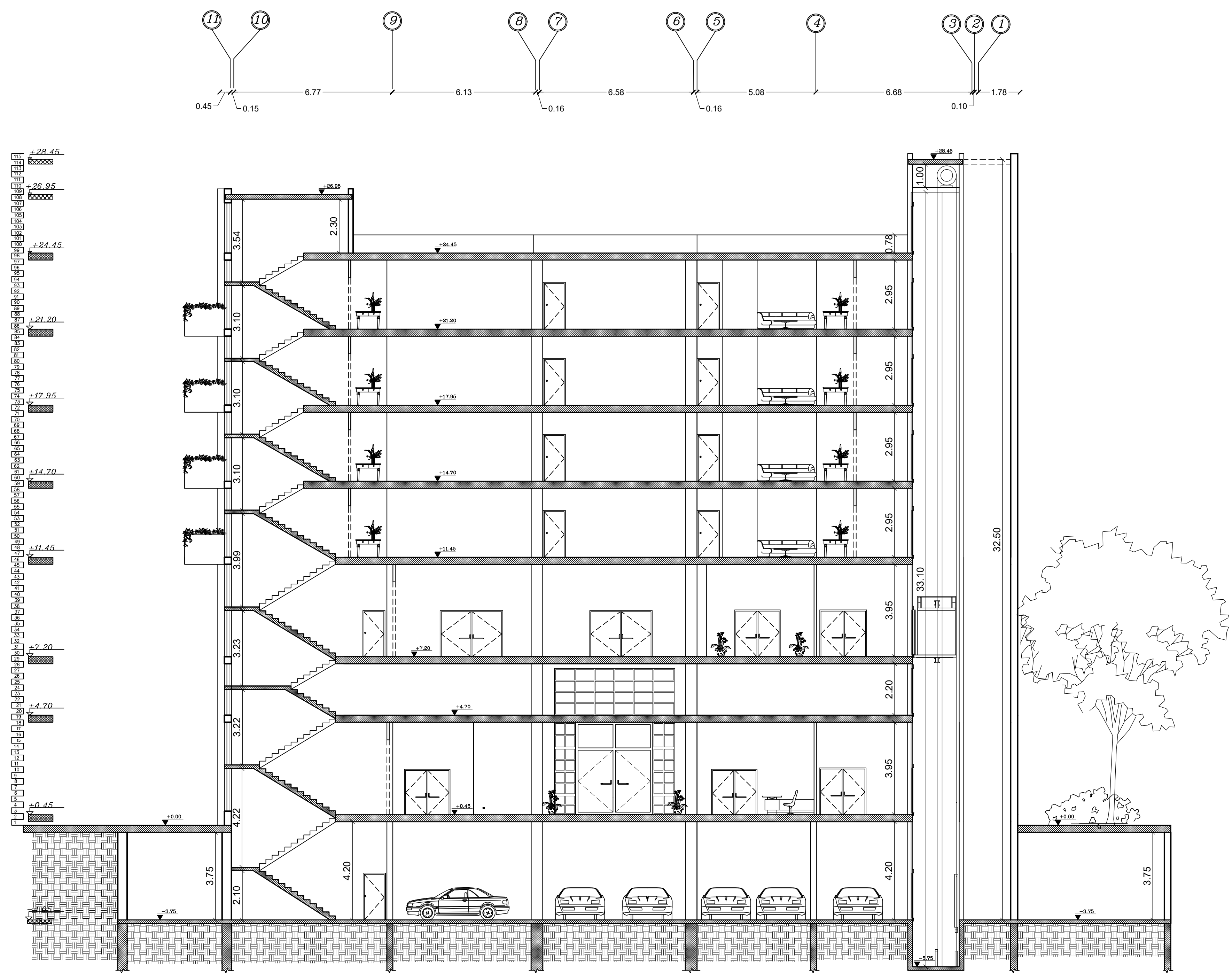
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A13	21/05/2023

SECTION A-A

SCALE: 1/100



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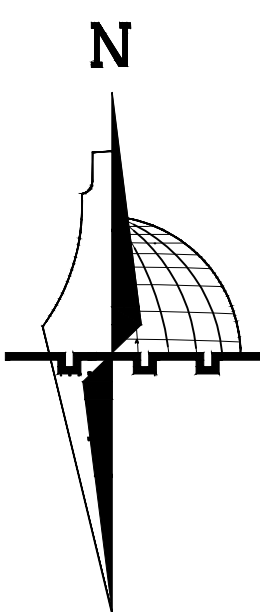
Civil Engineering Department

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Graduation Project

Structural Design For

Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

SECTION A-A

Supervisor

Dr.Hamdi idais.

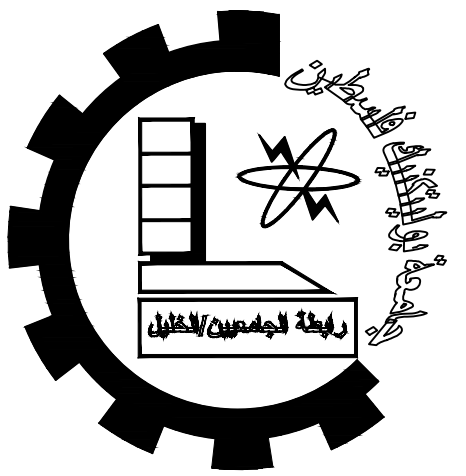
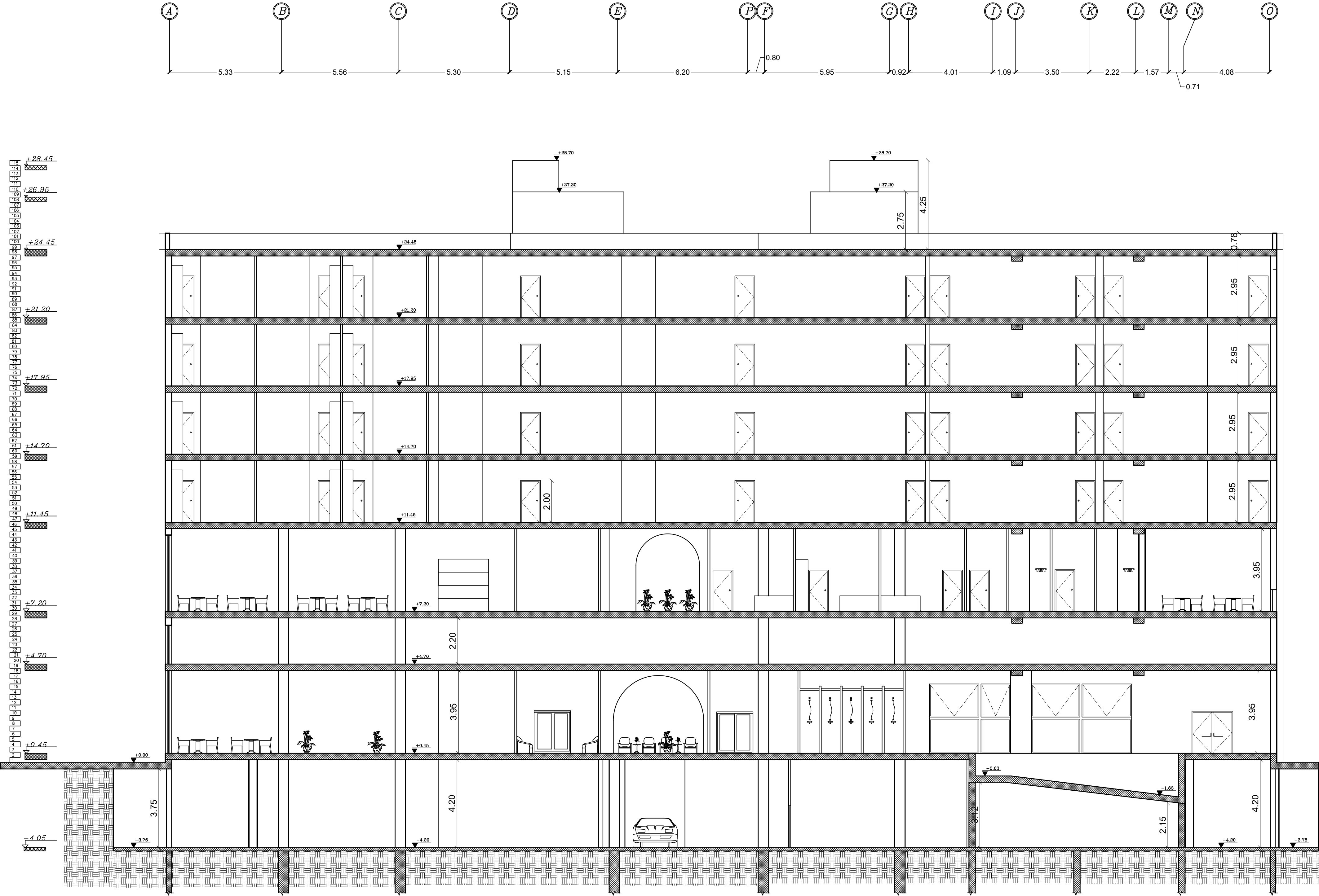
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
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SECTION B-B

SCALE: 1/100



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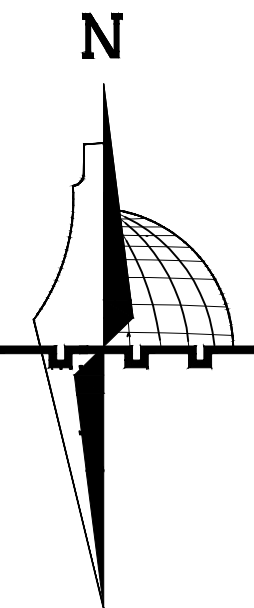
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Graduation Project

Structural Design For
Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

SECTION B-B

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	A15	21/05/2023

Structural Design Criteria & Specifications & Construction Requirements

1. CODE OF PRACTICE

GENERAL NOTES

Detailing and workmanship shall be according to ACI 318–14 , and the technical specifications provided
Approved equivalent international codes shall be accepted.
Design for concrete done according to ACI 318–14
Uniform Building Code (ASCE 7–16) For the definition of lateral Seismic Loading.

2. DIMENSIONS

- GRAVITY LOADS ESTIMATION ARE IN ACCORDANCE OF JORDAN
- UNLESS OTHERWISE INDICATED ON DRAWINGS ELEVATIONS ARE IN METERS,
DISTANCES AND DIMENSIONS IN m ., REINFORCEMENT BAR SIZES IN mm.

3. DRAWINGS

- Structural drawings shall be read in conjunction with Architectural.
- Sleeves and openings smaller than 200x200mm are not shown on the Structural drawings .
For required openings refer to Architectural . Mechanical and Electrical drawings .
- Contractor shall prepare working drawings and bar bending schedules for reinforcement in a format agreed with the engineer .
- Contractor shall supply detailed drawings and calculations for all support and temporary works and propping systems as applicable and all other relevant information subject to the Engineer's approval prior to commencement of construction .

4. REINFORCEMENT

- Reinforcement shall be deformed high strength steel bars of characteristic strength of 420 Mpa complying with ASTM standards or equivalent for diameters 10mm & above .
- Reinforcement shall be deformed steel bars of characteristic strength of 420 MPa complying with ASTM standards Or equivalent for diameters 8mm & above .
- Contractor to provide bar bending schedule.
- Where bar length is not specified , longest practicable bar length shall be employed with staggered lap splices. Lap length shall be 30 times bar diameter .

5. REINFORCED CONCRETE

The following two types of reinforced concrete shall be employed:

- B300 – Grade 300 for all reinforced concrete members except architectural fair faced concrete facades.
Characteristic Strength as defined by a 150 mm cube at age of 28 days shall be:

B300 – $30 \times 0.8 = 24$ MPa(Because it is rectangular section)

Minimum cement content, per cubic meter, shall be:

B300 – 300 kilograms

6. PLAIN CONCRETE

The following type of plain concrete shall be employed:

- B 200 – Grade 200 concrete of characteristic cubestrength equal to 16 MPa, minimum cement content of 200 kilograms per cubic metre, and a maximum water:cement ratio of 0.50 to be used for blinding concrete under foundations.

7. AGGREGATES

Maximum aggregate size shall be 25 mm.

8. FOUNDATIONS

- Contractor shall adhere strictly to the geotchnical report for this project. He shall be responsible to determine strata characteristics at the appropriate levels:
- Allowable Bearing capacity =500 KN/m² .
- Foundations are designed for seven floors .

9. BACK Fill

All back fill material shall conform to specifications and shall be properly tested . No back filling is permitted around .

GENERAL RULES

1. NOTATION

T.B=TOP BARS
B.B=BOTTOM BARS

S= SPACING.

∅ or T = DIAMETER FOR STEEL BARS .

Ⓢ or / = INDICATES THAT THE FOLLOWING NUMBER IS THE SPACING BETWEEN BARS.

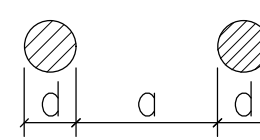
2. COVER

Clear concrete cover to reinforcement shall be :

20mm for ribs 40mm for beams 40mm for columns
40mm for Beams, slabs and joists.
25mm for Post–tension slabs .

Reinforcing bars of girder shall be anchored over the center line of column,
And reinforcing bars of sub–beam shall be anchored over the center line of girder.

3. Min. Bar Spacing



Unless otherwise shown below, sub–beam and cantilever beam shall be conformed

Bar spacing "a" shall be not less than the greatest in the following three cases:

- 25 mm
- 1.5 d
- 1.25 times the max. size of coarse aggregate.

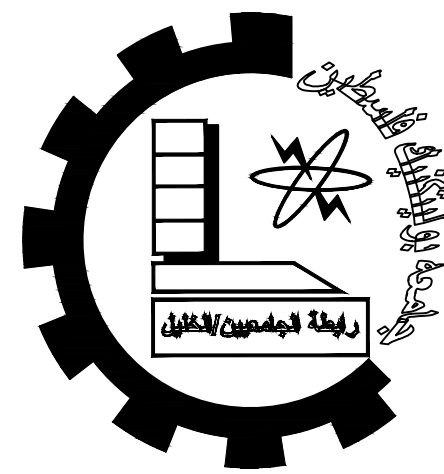
Standerd Hook Details and Bar Bends

End position

Hook details	Secondary Steel	Main Steel	Application
	D	4d	5d
	1e	12d	14d
	D	4d	--
	1e	12d	--
	D	4d	--
	1e	12d	--
	D	4d	--
	1e	8d	--
	1'e	10d	--
			90° 135° Spacer bar

Intermediate position

Hook details	Secondary Steel
	D
	3d and over
or 	D
	4d and over
	D
	5d and over
	D
	8d



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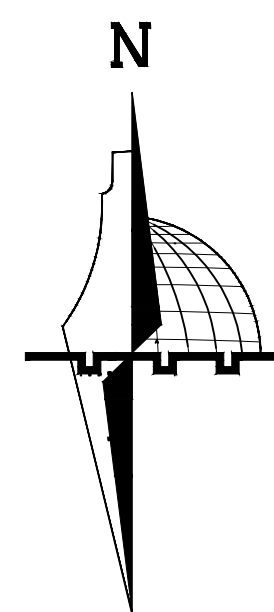
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

GENERAL NOTES

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra

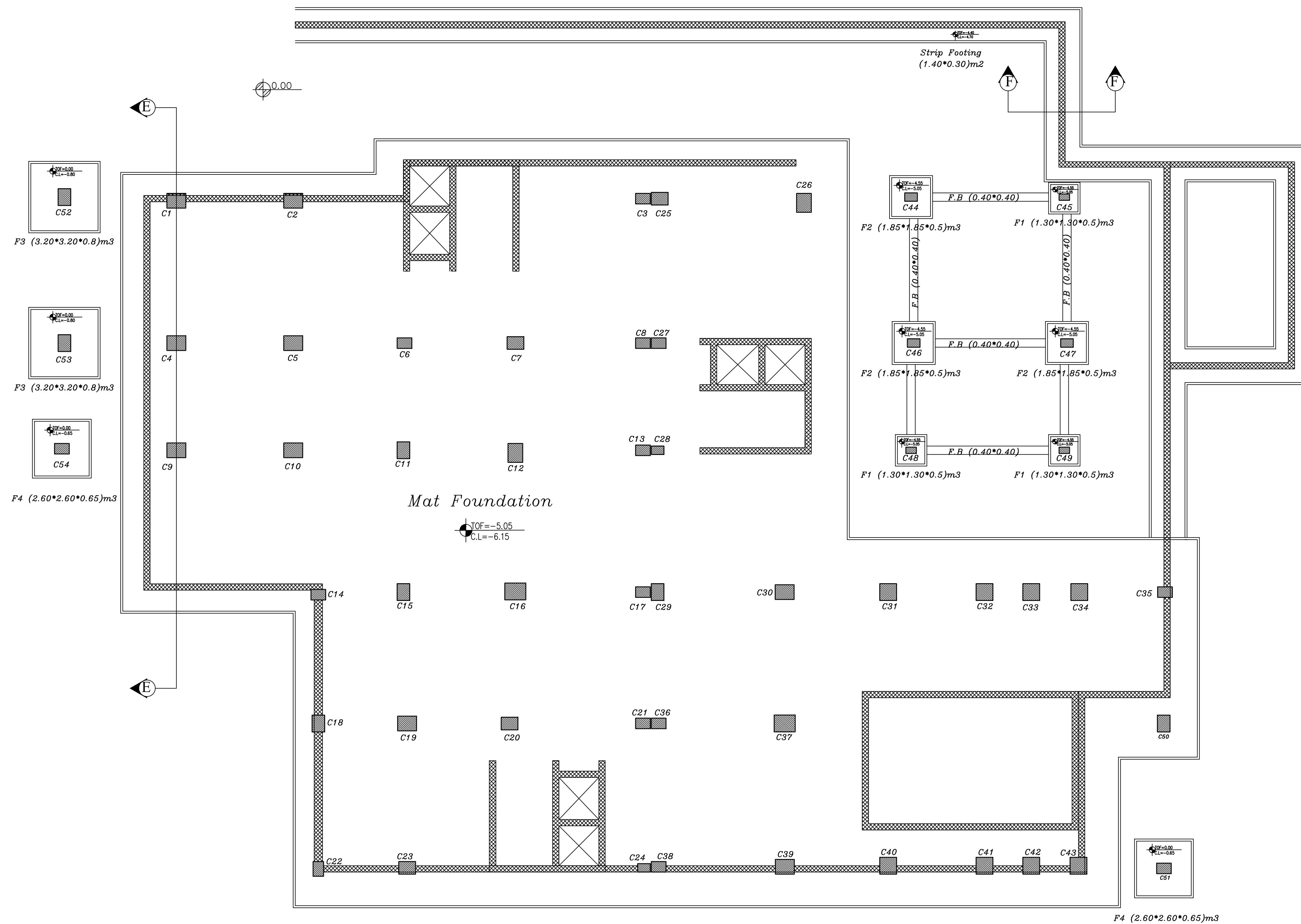
Sadam AbuQbete

Mohammad Nawajaa

SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S00</i>	<i>21/05/2023</i>

Foundation Plan

SCALE 1/100



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College of Engineering

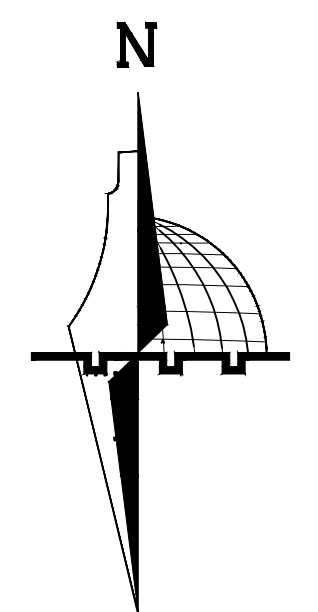
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

FOUNDATION PLAN

Supervisor

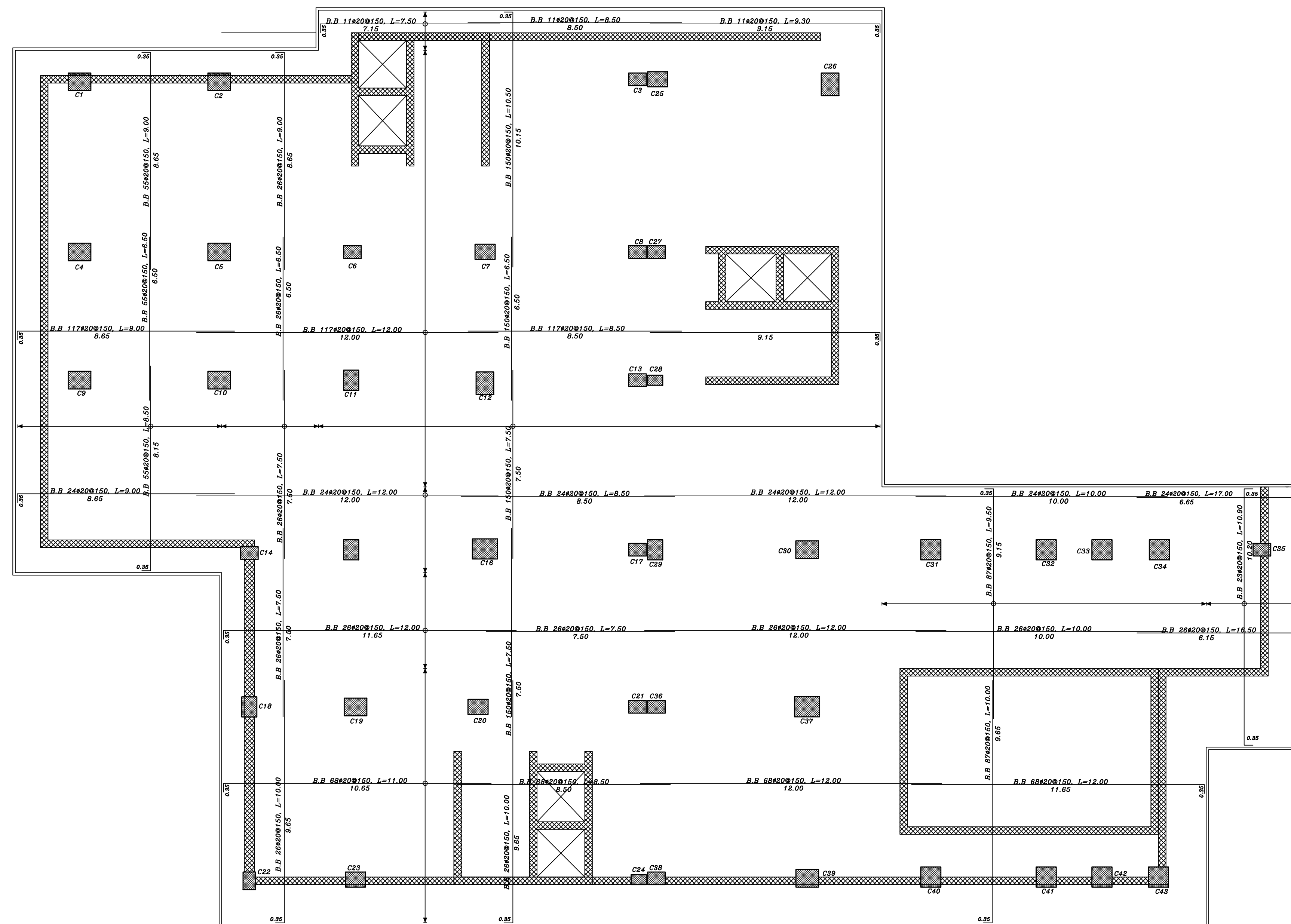
Dr.Hamdi idais.

Done by :

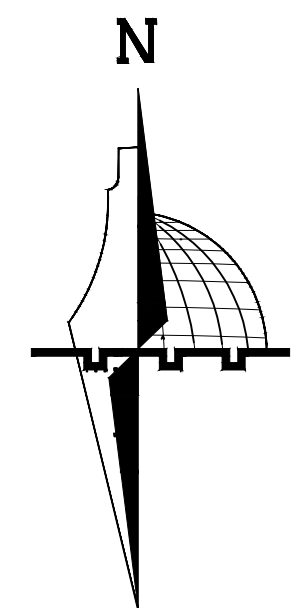
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S01	21/05/2023

SCALE 1/100



*Structural Design For
Hebron Hotel*



	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

MAT FOUNDATION BOTTOM
REINFORCEMENT

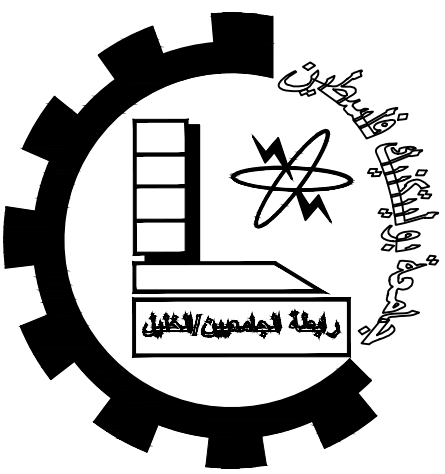
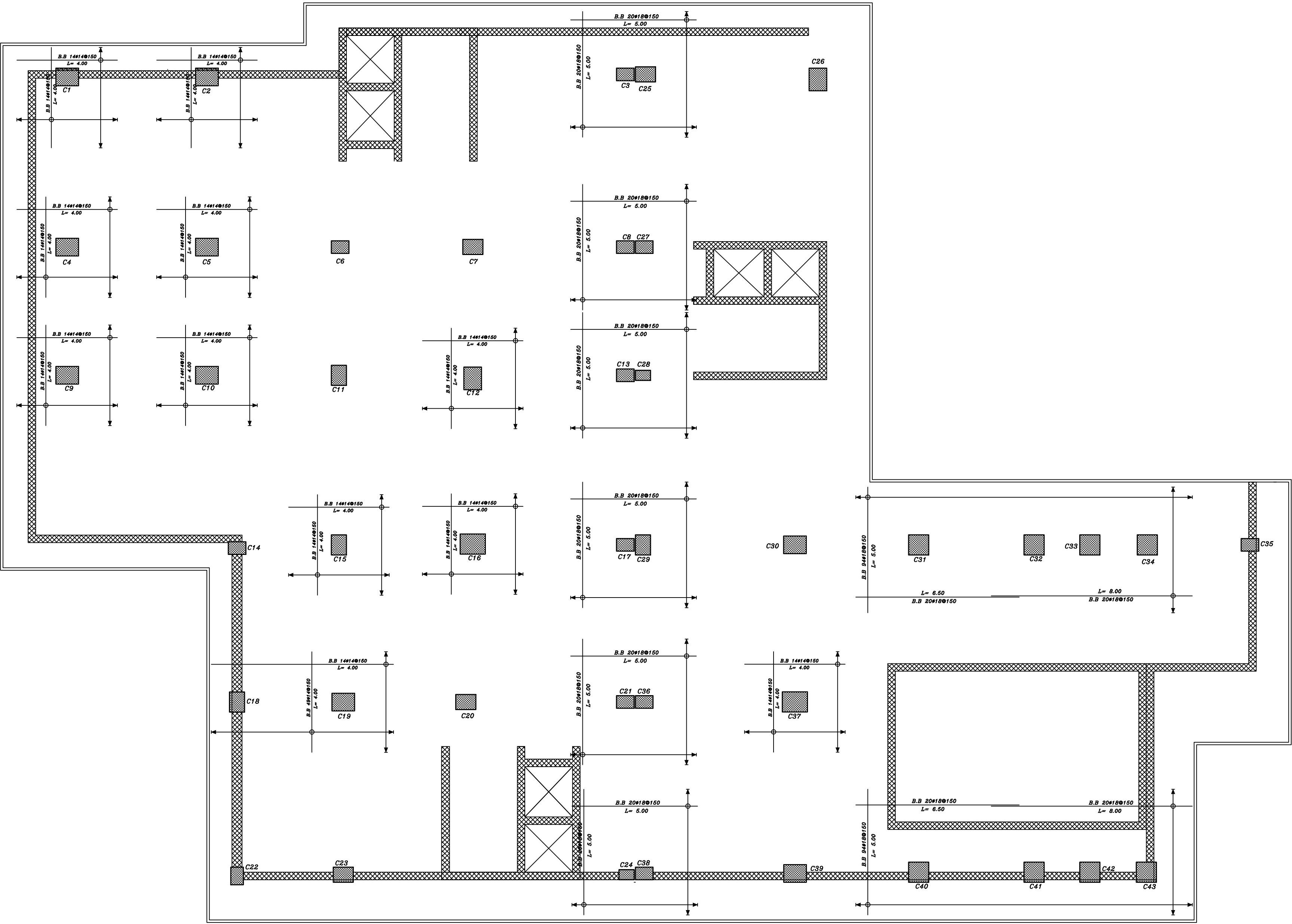
Dr.Hamdi idais.

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S02</i>	<i>21/05/2023</i>

Mat Foundation Bottom Additional Reinforcement

SCALE 1/100



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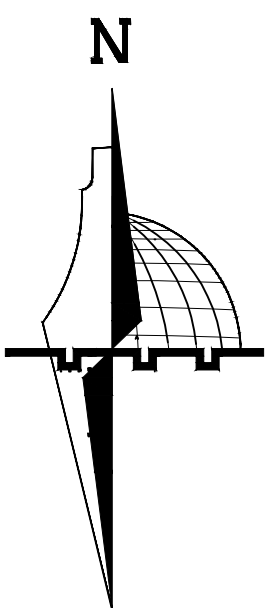
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

MAT FOUNDATION BOTTOM
ADDITIONAL REINFORCEMENT

Supervisor

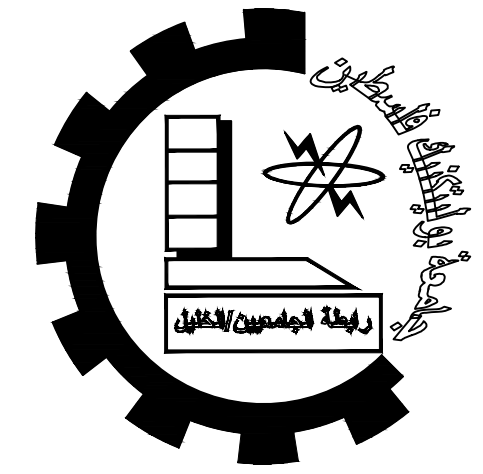
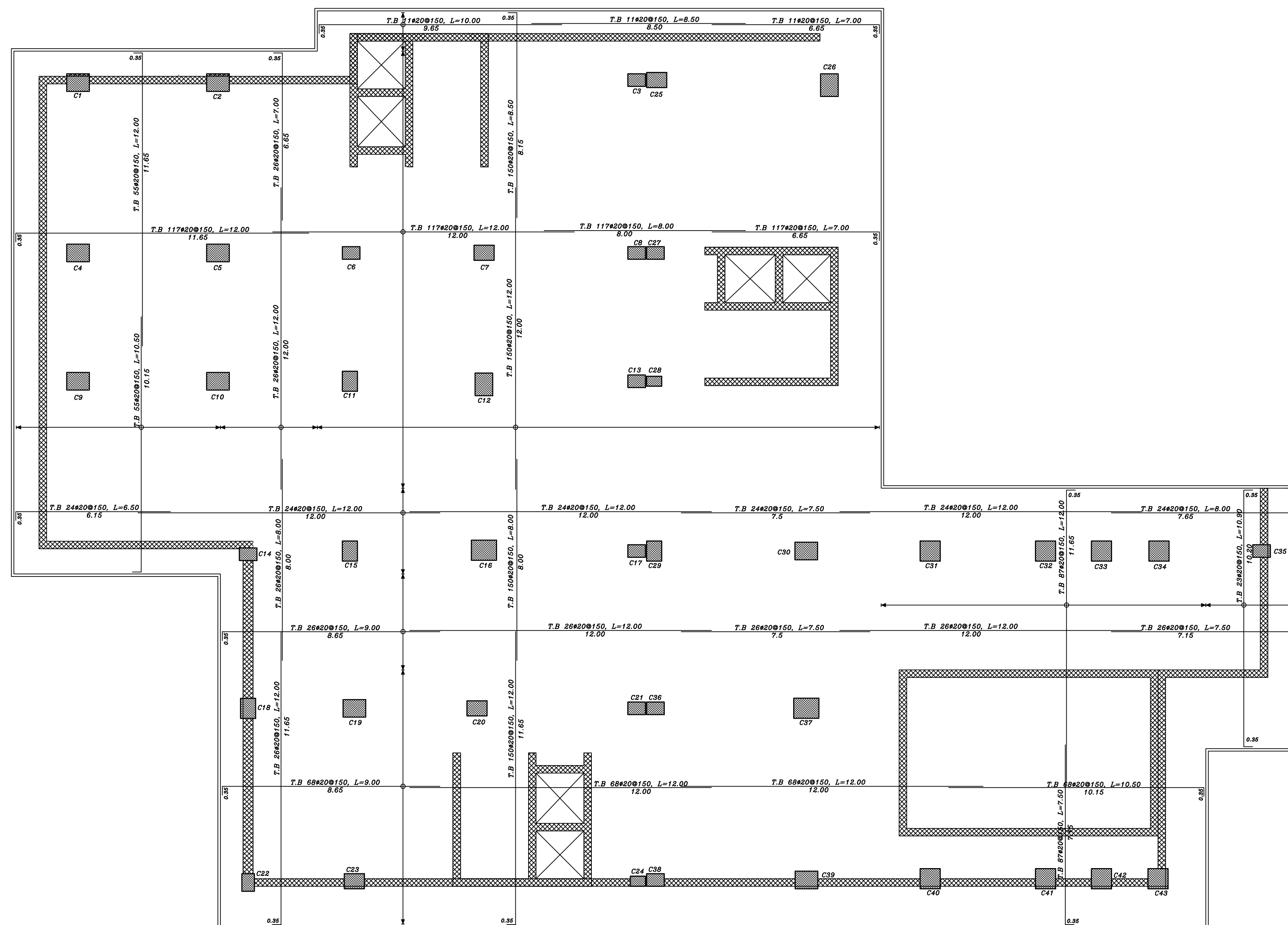
Dr.Hamdi idais.

Done by :

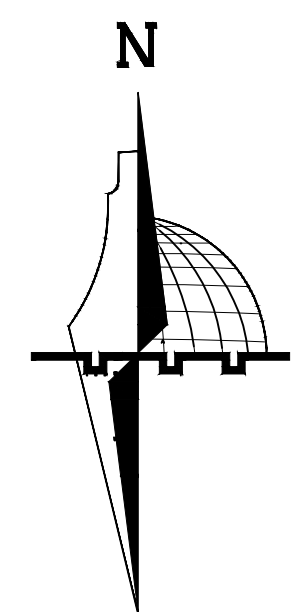
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S03	21/05/2023

SCALE 1/100



*Structural Design For
Hebron Hotel*



	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

MAT FOUNDATION TOP
REINFORCEMENT

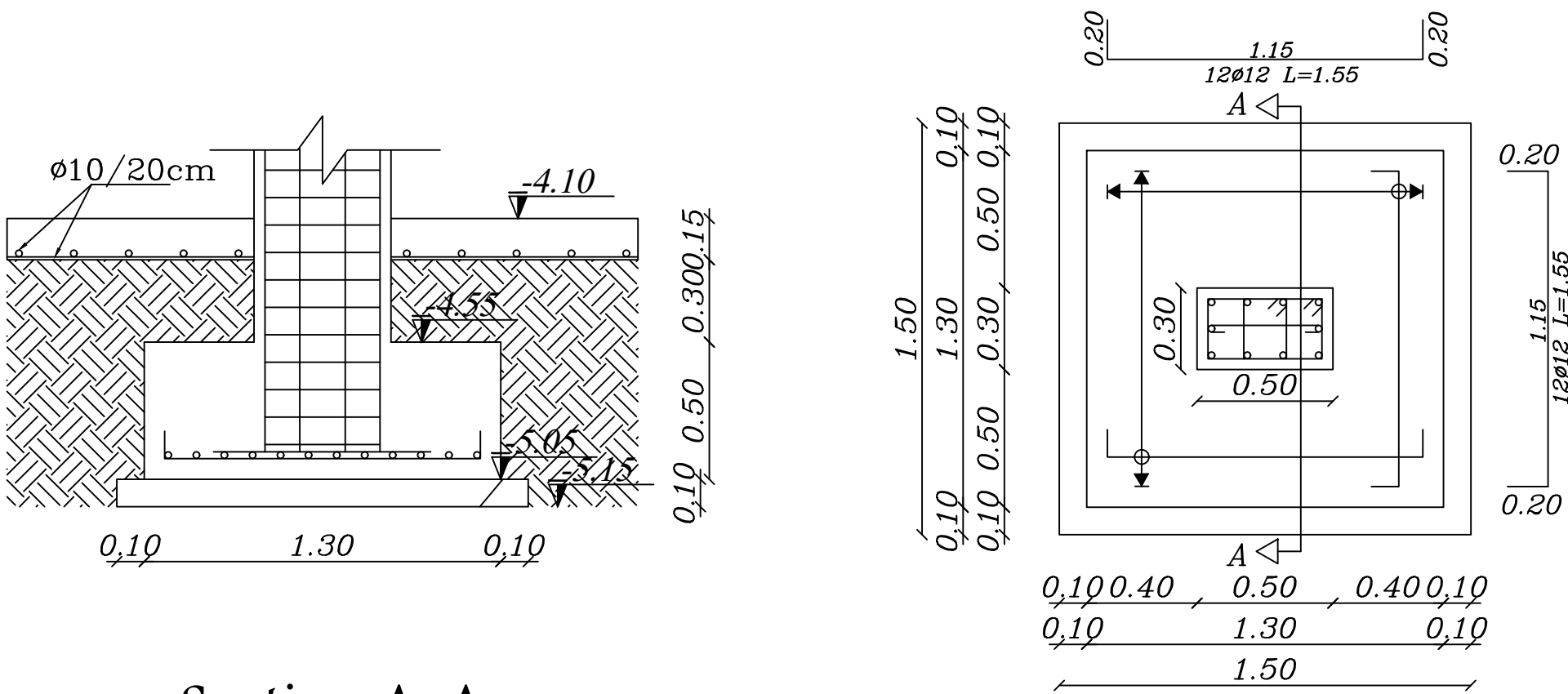
Dr.Hamdi idais.

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S04	21/05/2023

C45, C48, C49

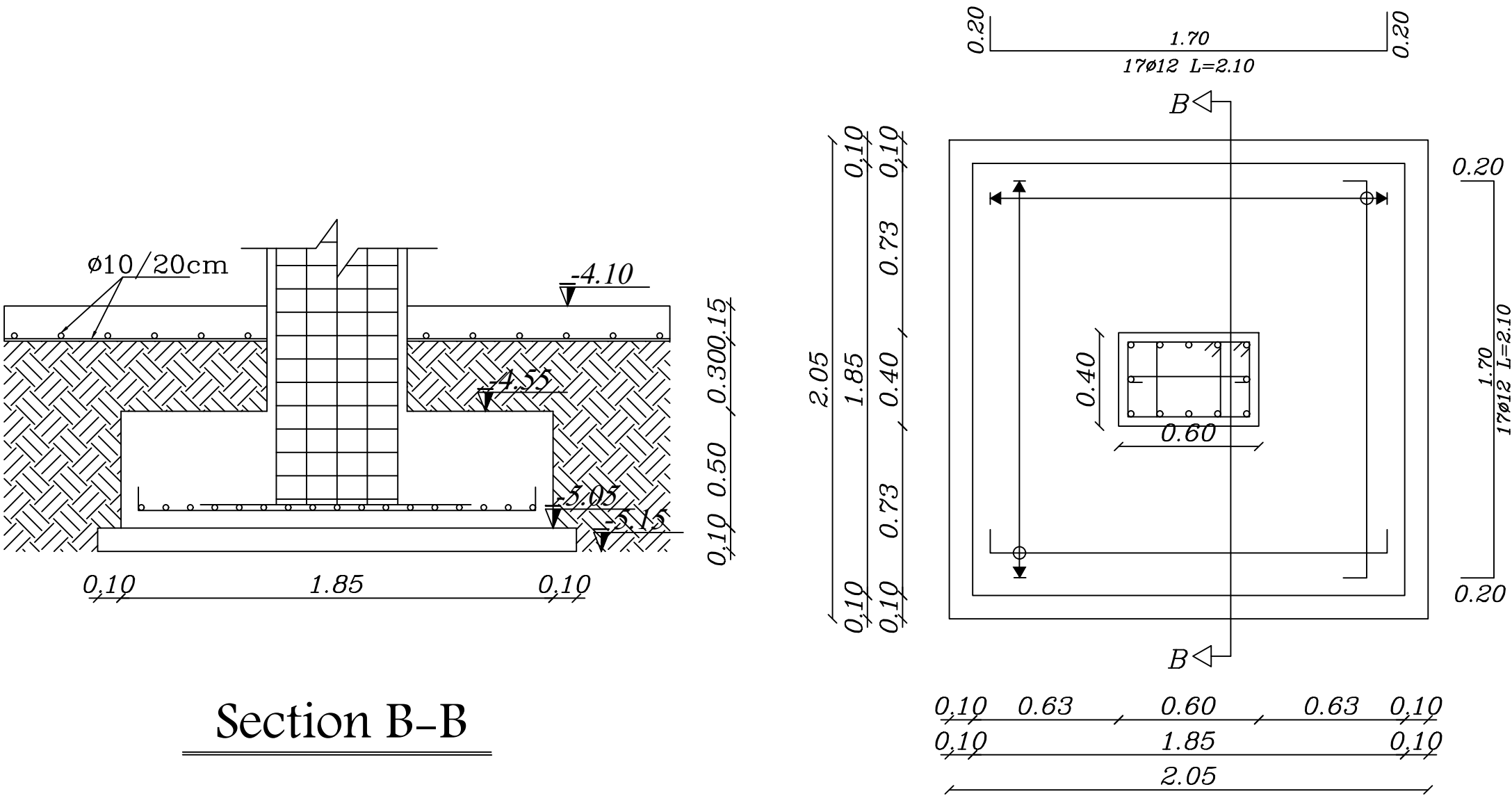
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Section A-A

C44, C46, C47

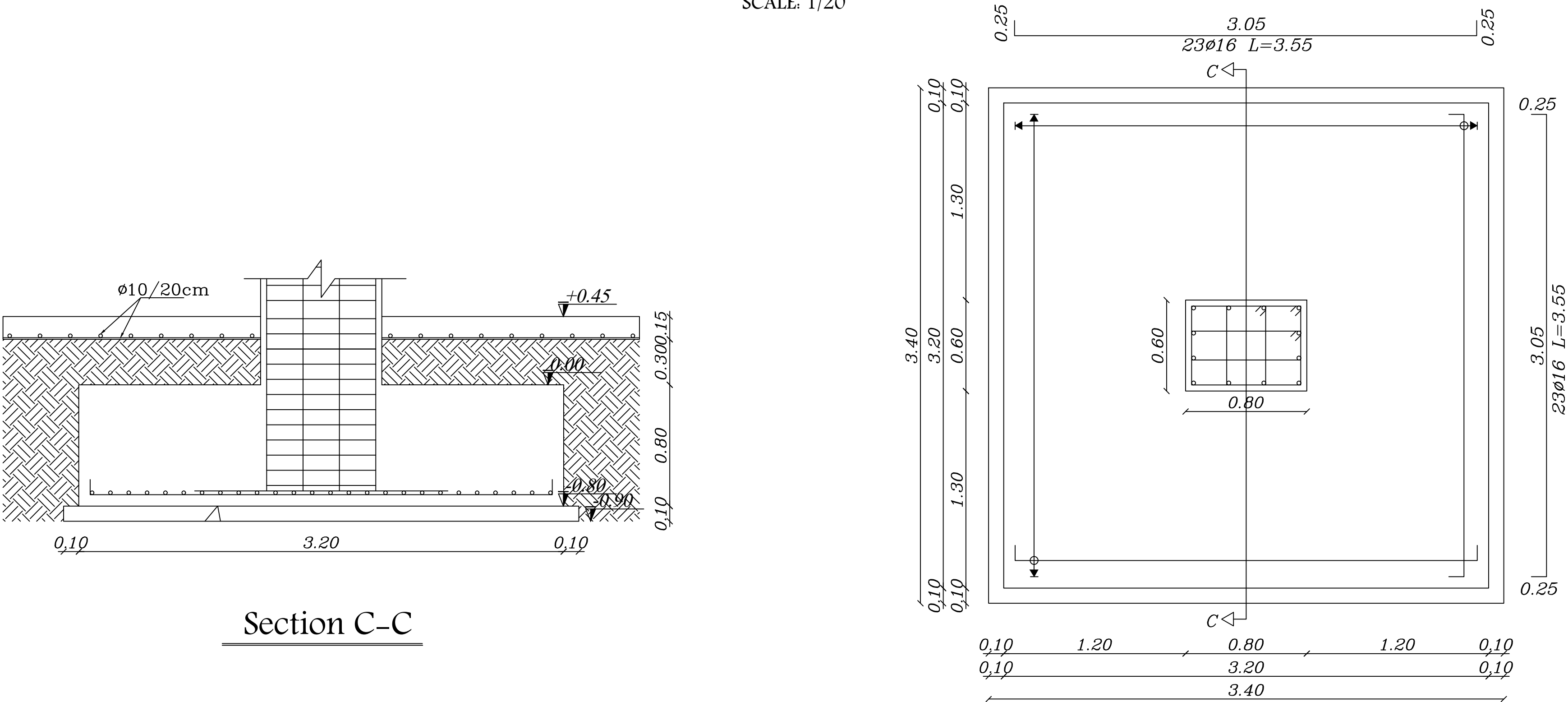
SCALE: 1/20



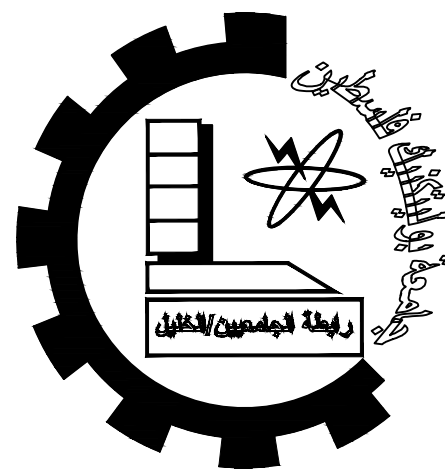
Section B-B

C50, C52, C53

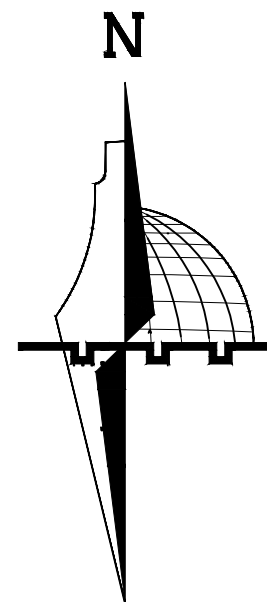
SCALE: 1/20



Section C-C



Palestine Polytechnic University
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Structural Design For
Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

ISOLATED FOOTINGS
REINFORCEMENT

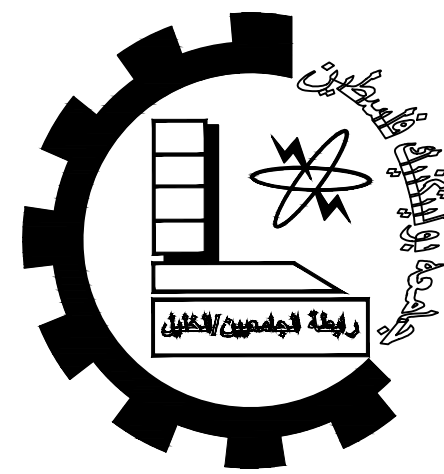
Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S05	21/05/2023



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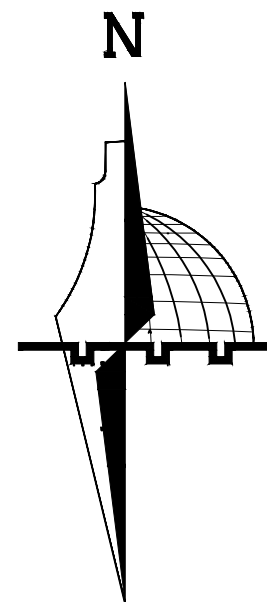
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

- | | |
|---------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materials | GRASS |

DRAWING TITLE :

FOOTINGS REINFORCEMENT

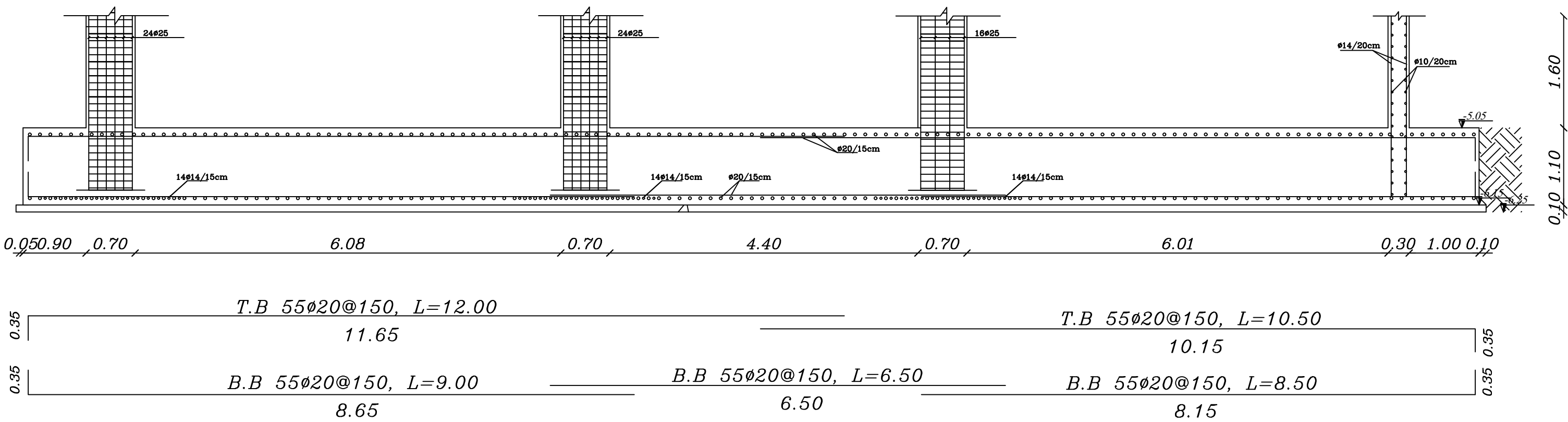
Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S06	21/05/2023

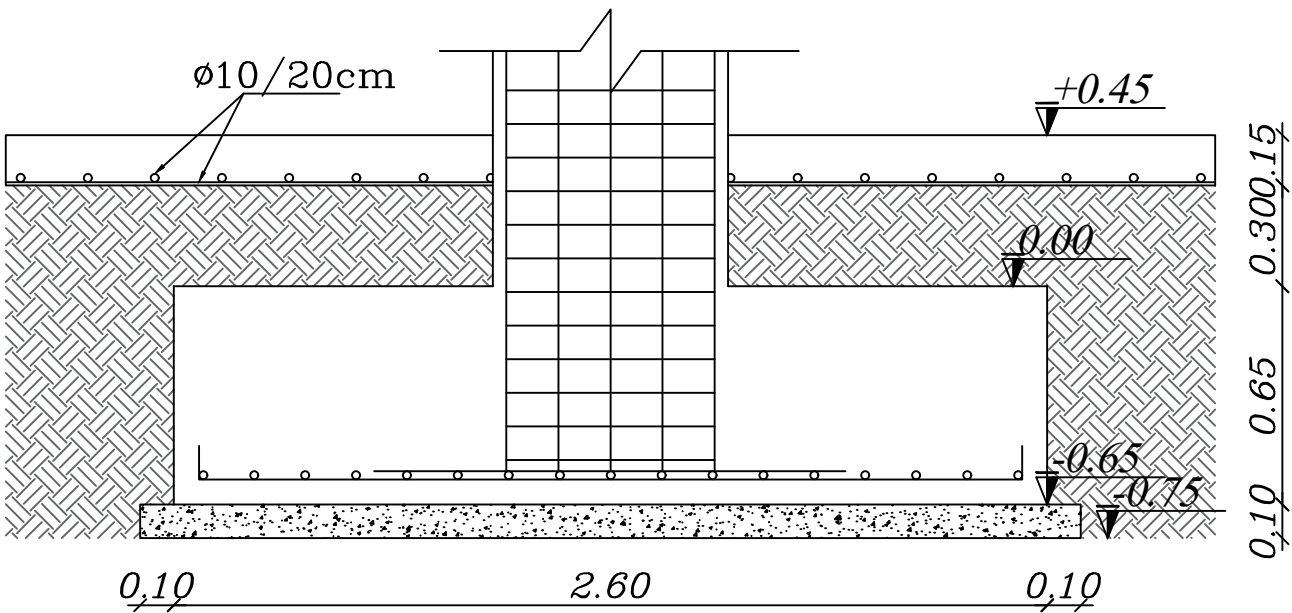


Section E-E

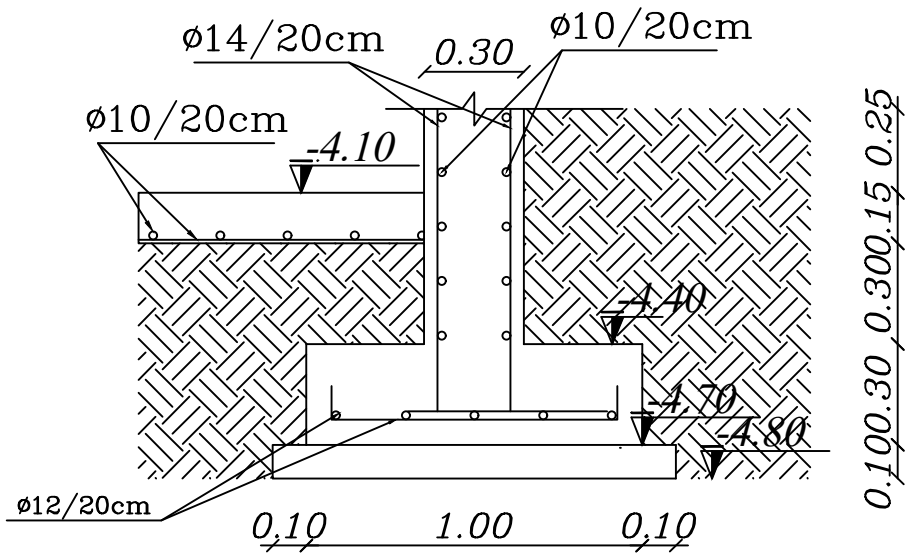
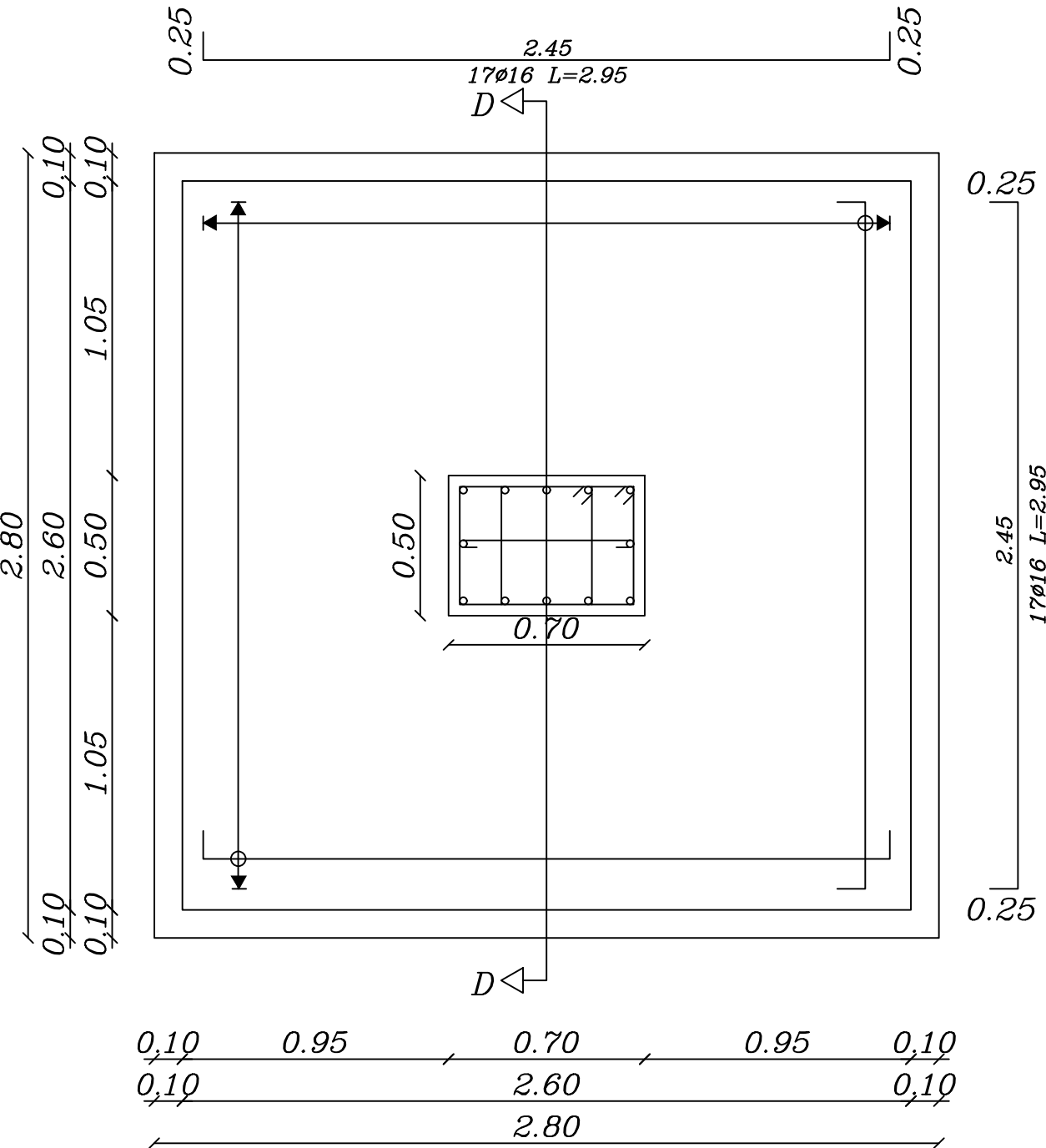
SCALE: 1/50

C51, C54

SCALE: 1/20



Section E-E

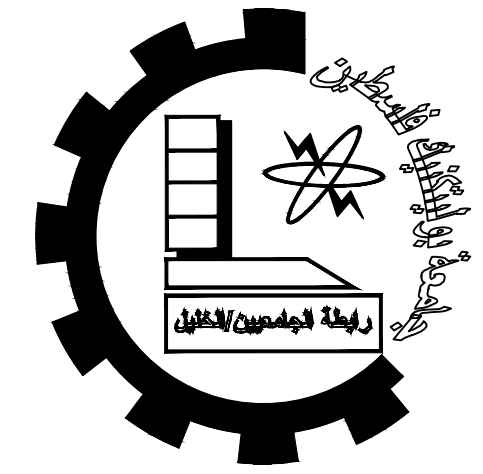
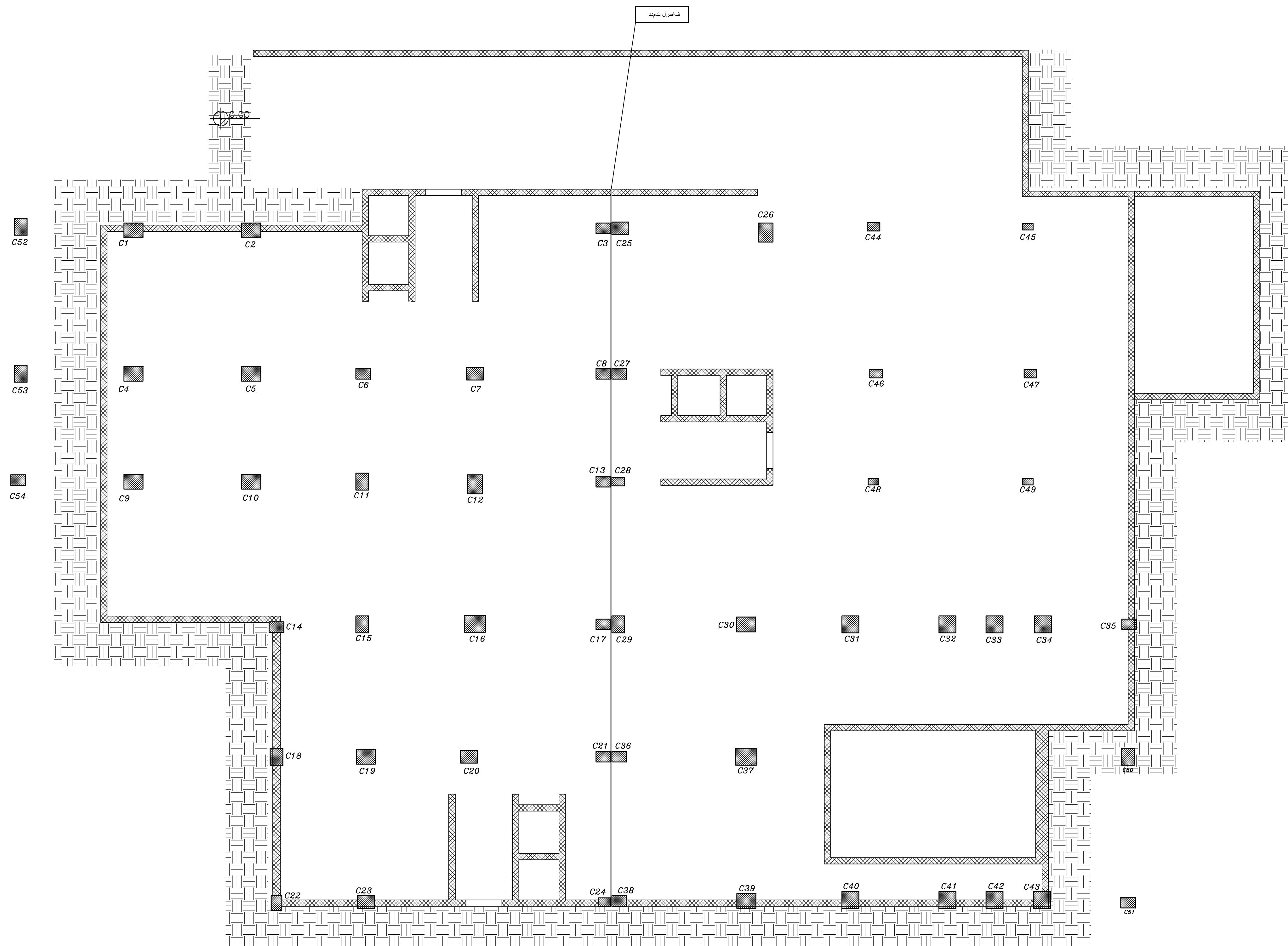


Section F-F

SCALE: 1/20

COLUMN'S PLAN

SCALE 1/100



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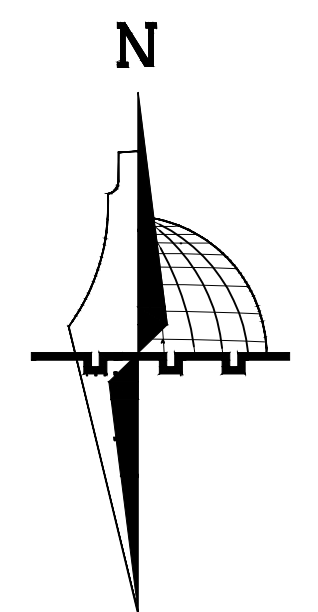
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

COLUMN'S PLAN

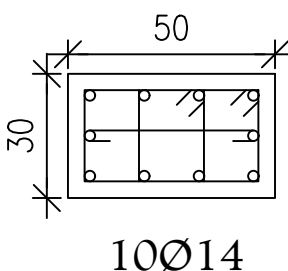
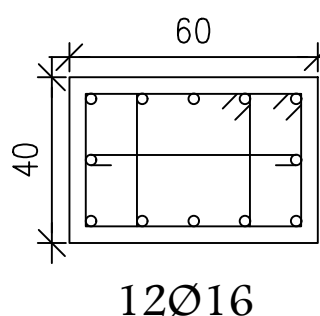
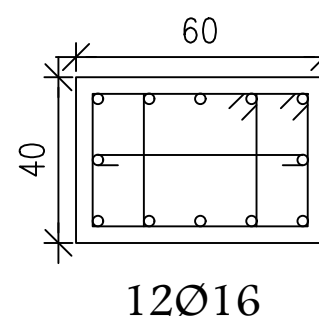
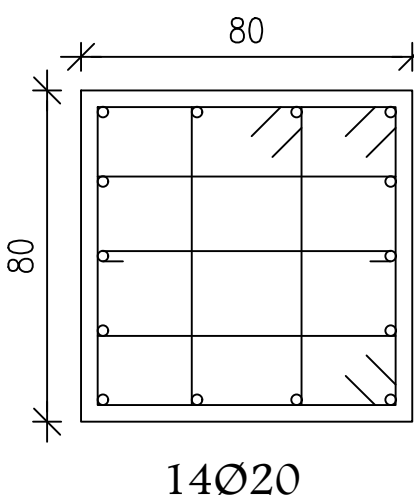
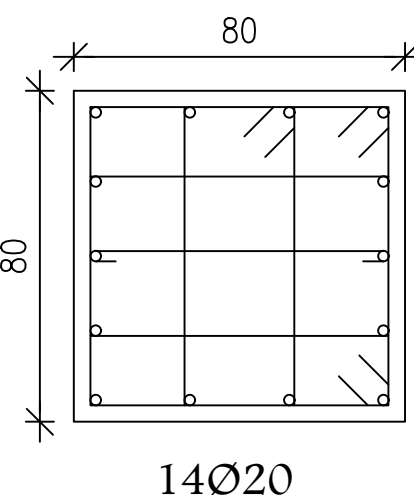
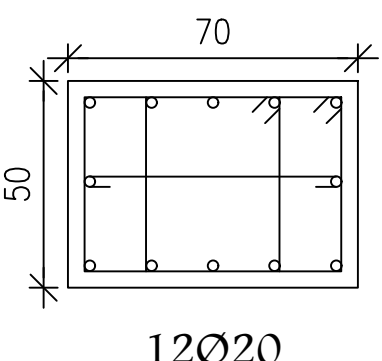
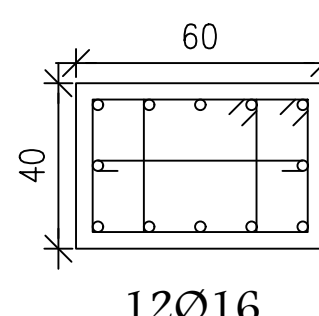
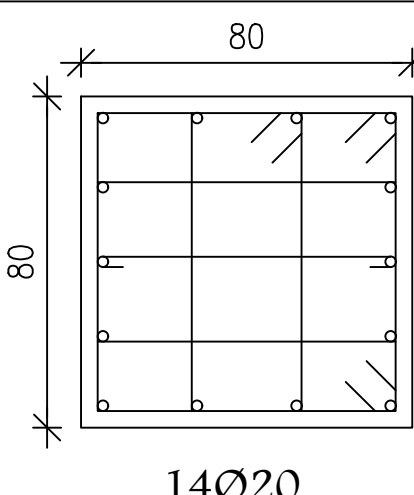
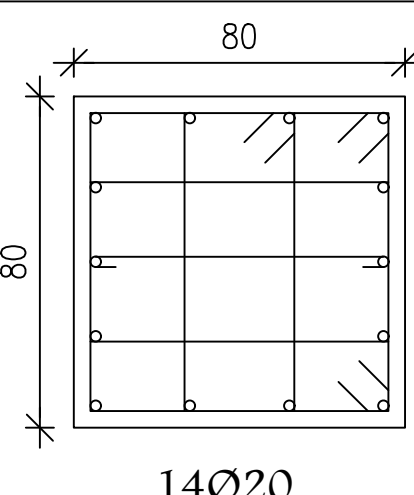
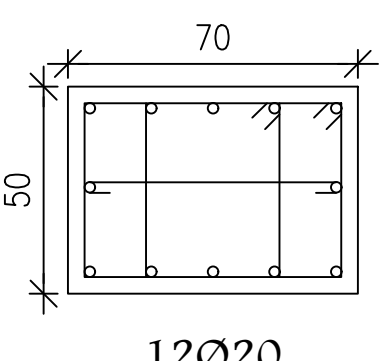
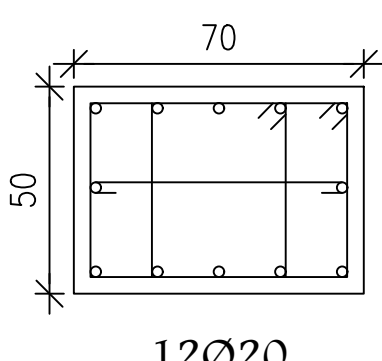
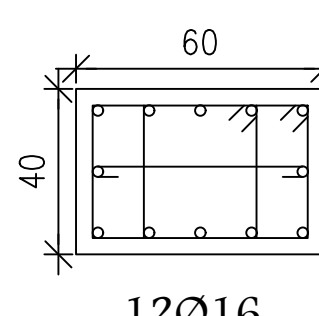
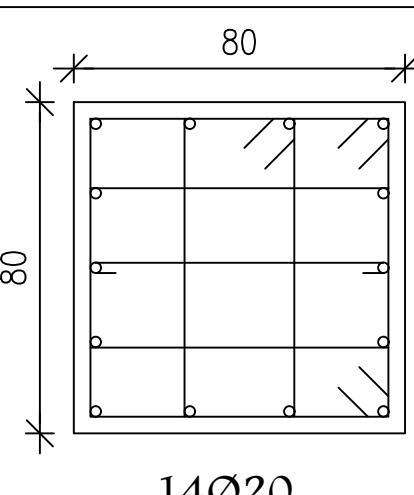
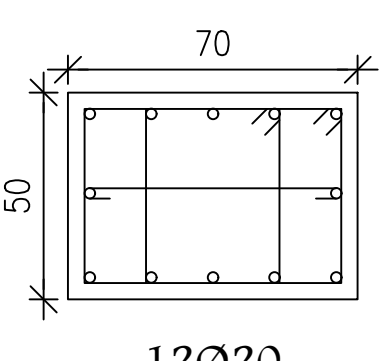
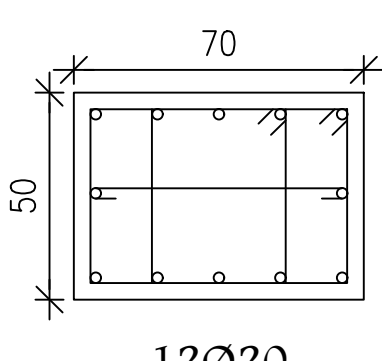
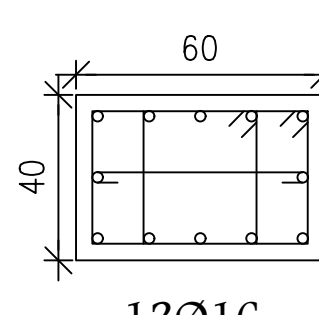
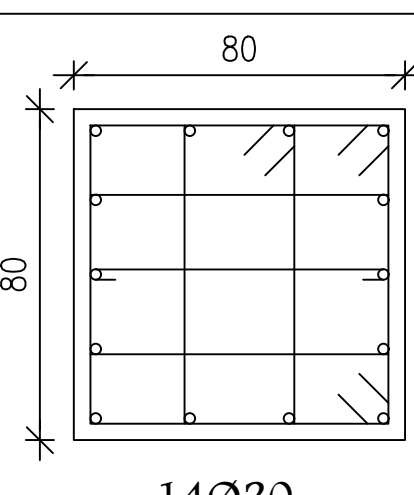
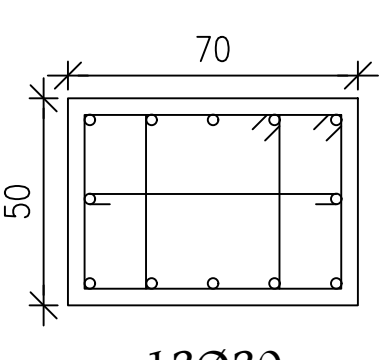
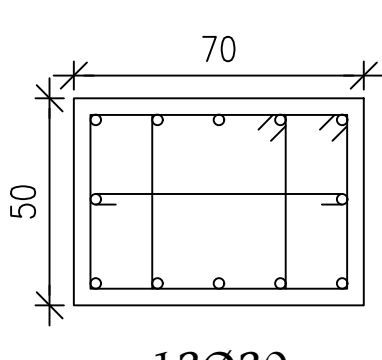
Supervisor

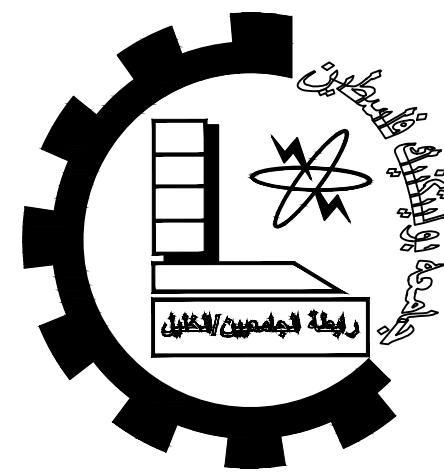
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S07	21/05/2023

Floor	Column's Design Sections						
	G1 DL = 500 KN LL = 250 KN	G2 DL = 1000 KN LL = 500 KN		G3 FRAMES		G4 DL = 2000 KN LL = 1000 KN	
	C45, C48, C49	C44, C46, C47	C24, C28	C33, C42	C40, C41, C43 C31, C32, C34	C8, C13, C14, C17, C21, C22, C27, C35, C38	C51, C54
Basment 1st							
Ground Floor							
1st Floor							
2nd-5th Floor							



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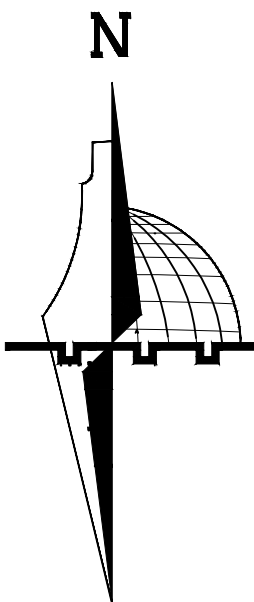
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

COLUMN'S DETAILINGS

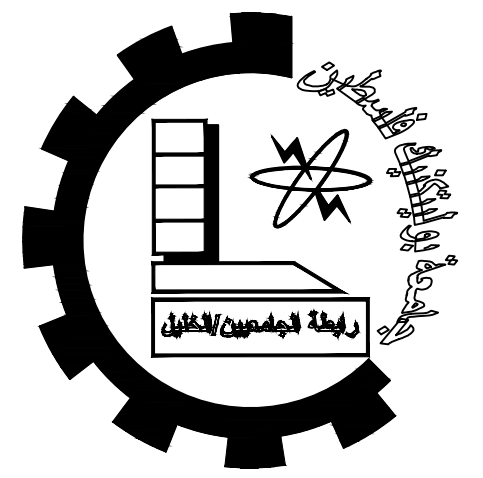
Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S08	21/05/2023



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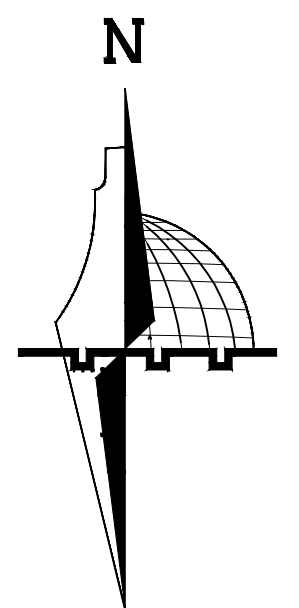
College of Engineering

Civil Engineering Department

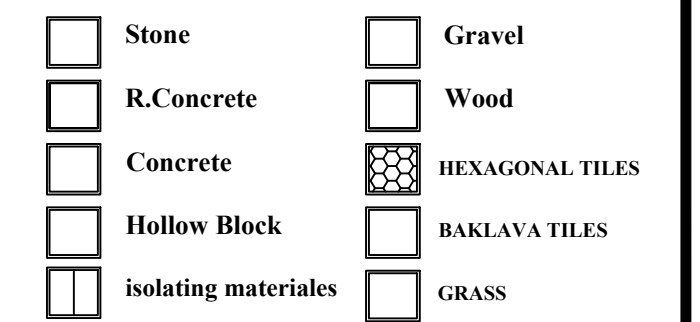
Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :



DRAWING TITLE :

COLUMN'S DETAILINGS

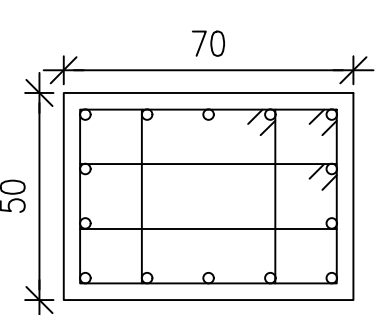
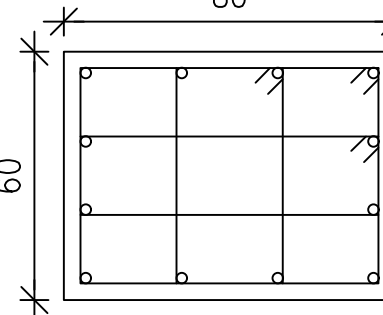
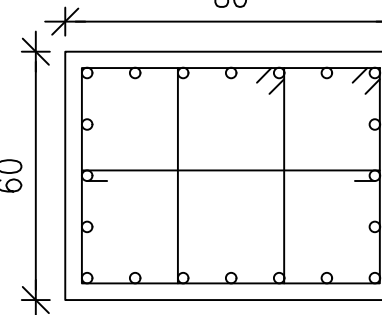
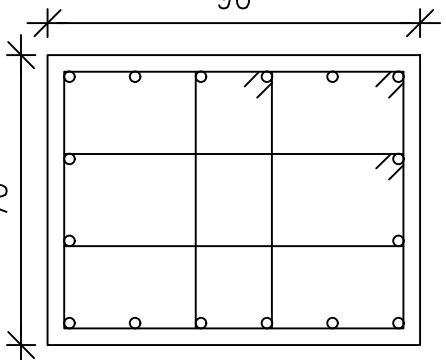
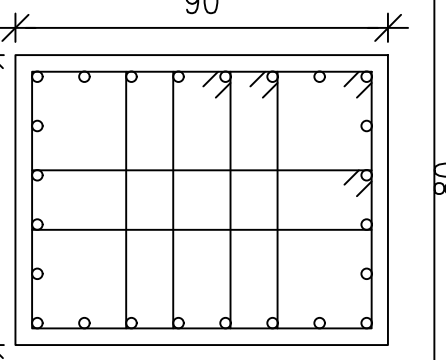
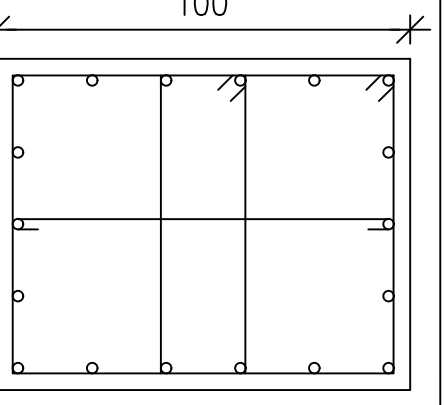
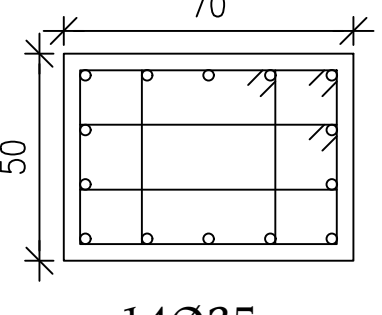
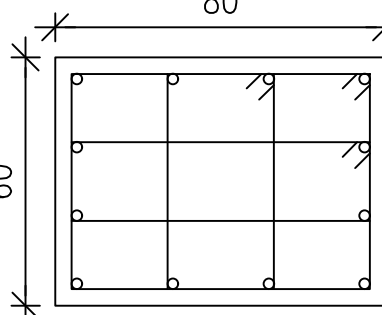
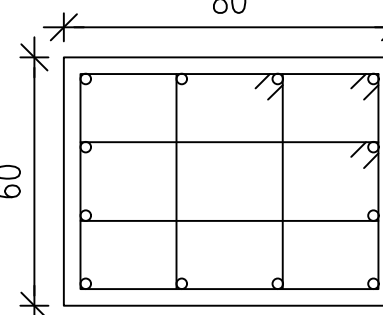
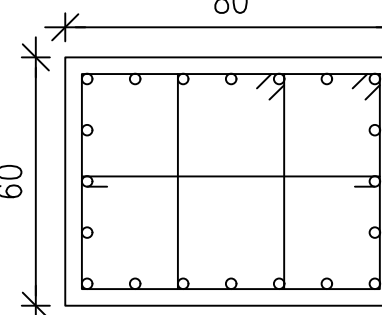
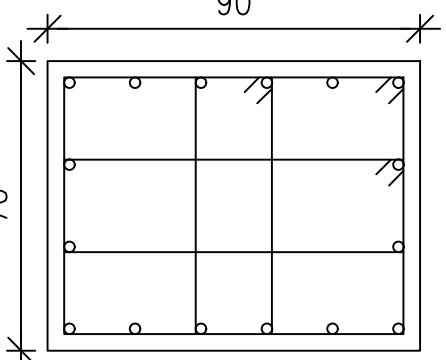
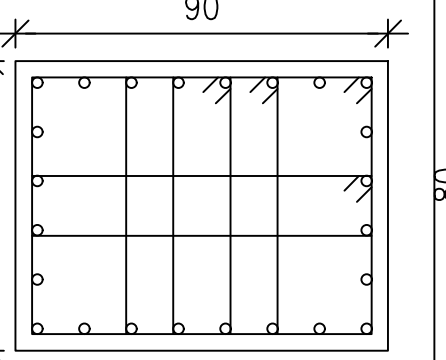
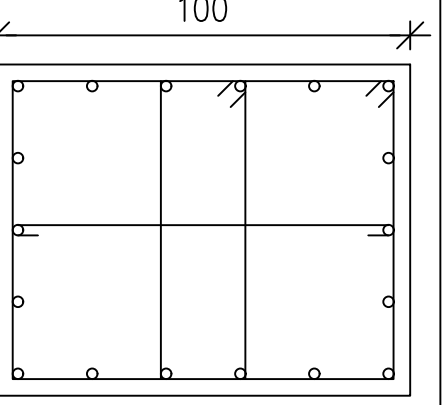
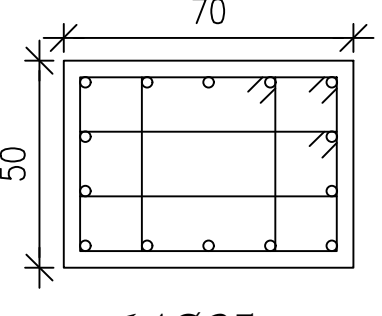
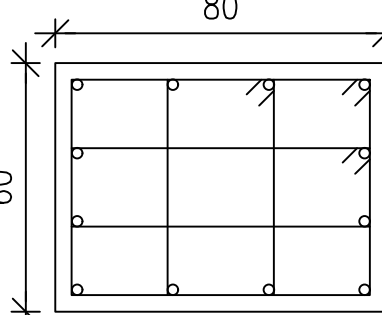
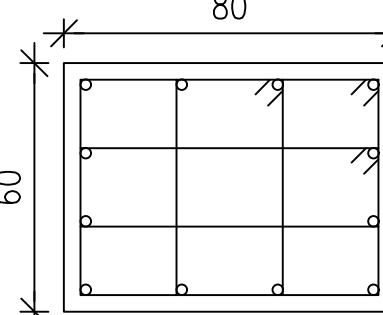
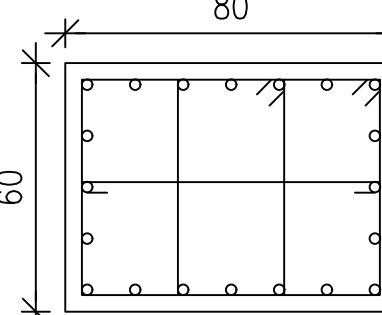
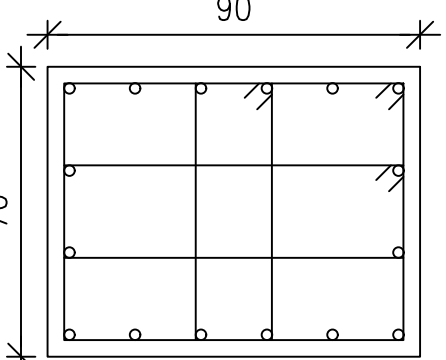
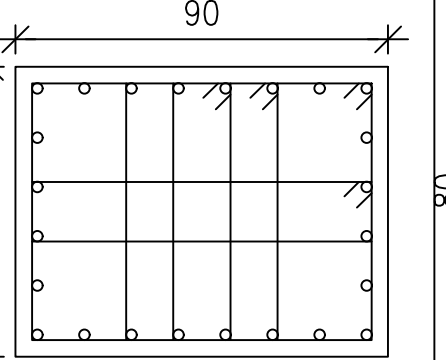
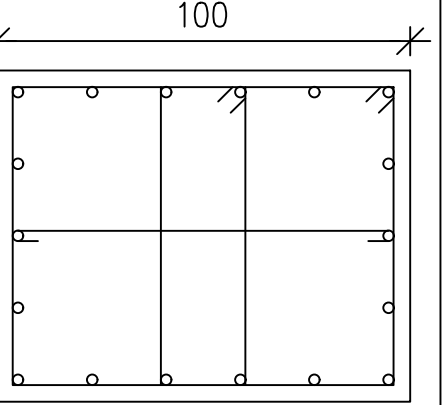
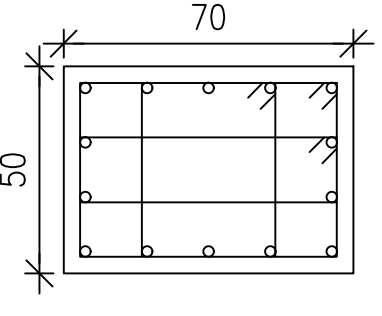
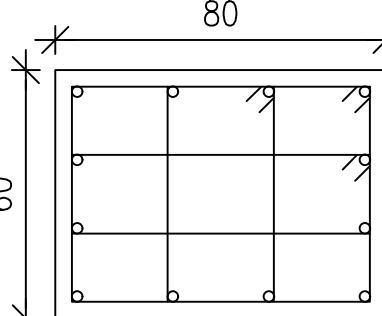
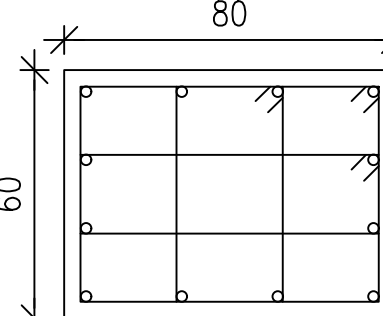
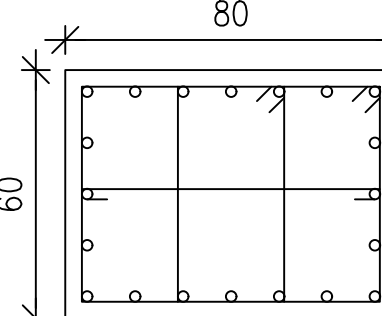
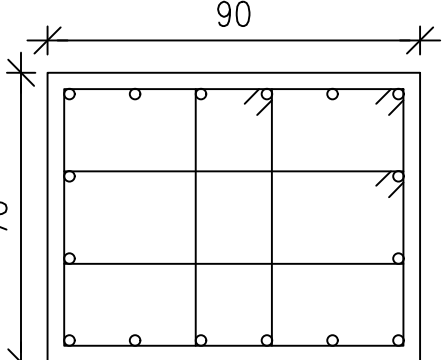
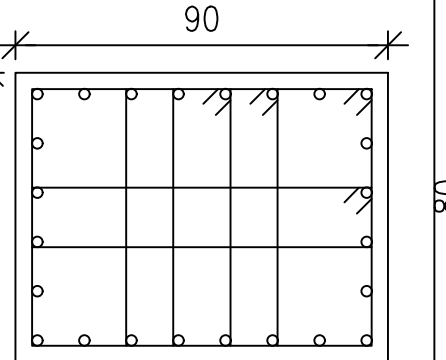
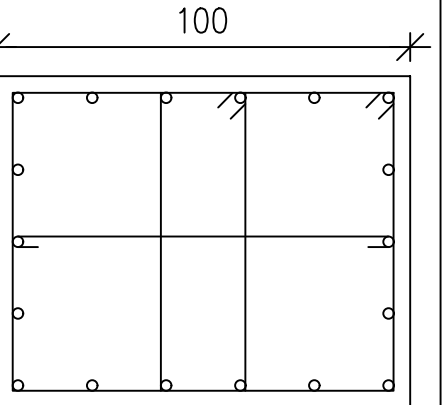
Supervisor

Dr.Hamdi idais.

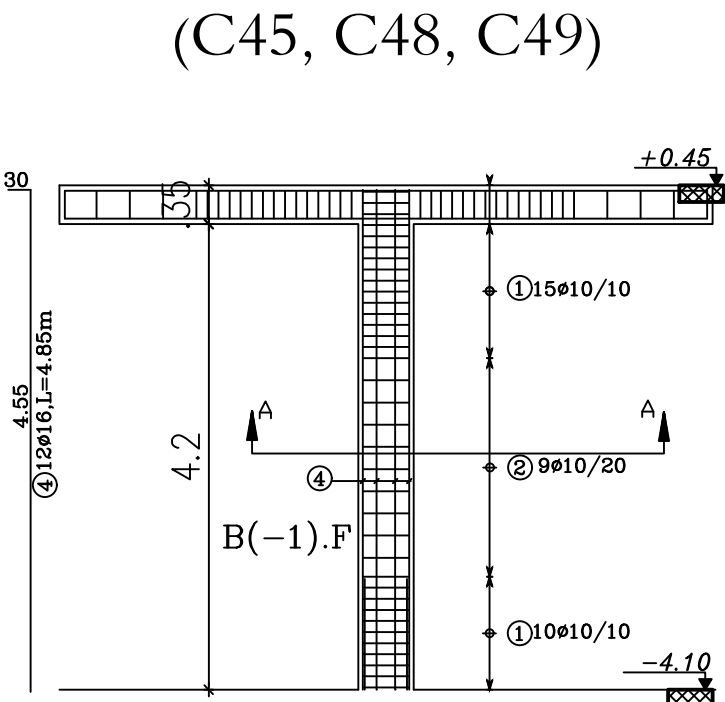
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S09	21/05/2023

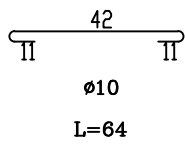
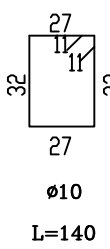
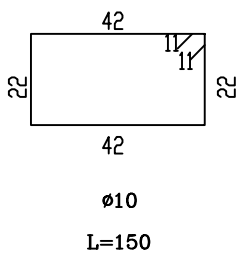
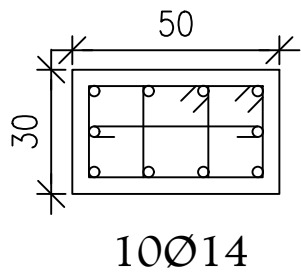
Floor	Column's Design Sections						
	G5 DL = 2500 KN LL = 1250 KN	G6 DL = 3000 KN LL = 1500 KN		G7 DL = 3500 KN LL = 1750 KN	G8 DL = 4000 KN LL = 2000 KN	G9 DL = 4500 KN LL = 2250 KN	G10 DL = 5000 KN LL = 2500 KN
	C3, C6, C36	C50, C52, C53	C18, C29		C5, C9, C10, C19	C1, C2, C4, C12, C26,C30, C39	C37, C16
Basment 1st	 14Ø25		 12Ø25	 20Ø25	 16Ø25	 24Ø25	 18Ø25
Ground Floor	 14Ø25	 12Ø25	 12Ø25	 20Ø25	 16Ø25	 24Ø25	 18Ø25
1st Floor	 14Ø25	 12Ø25	 12Ø25	 20Ø25	 16Ø25	 24Ø25	 18Ø25
2nd-5th Floor	 14Ø25	 12Ø25	 12Ø25	 20Ø25	 16Ø25	 24Ø25	 18Ø25

Column detailing G1



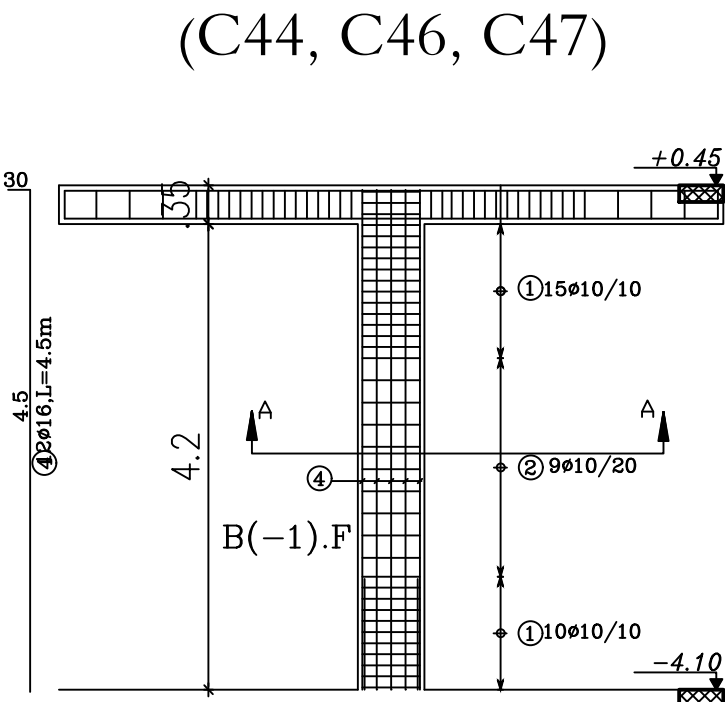
Scale:1/60

Section A-A



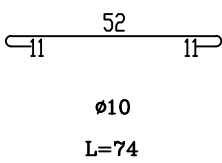
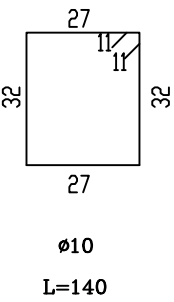
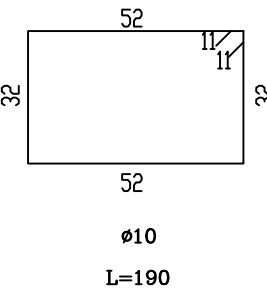
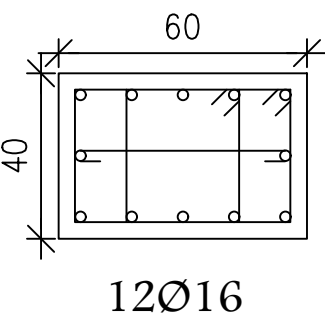
Scale:1/16

Column detailing G2



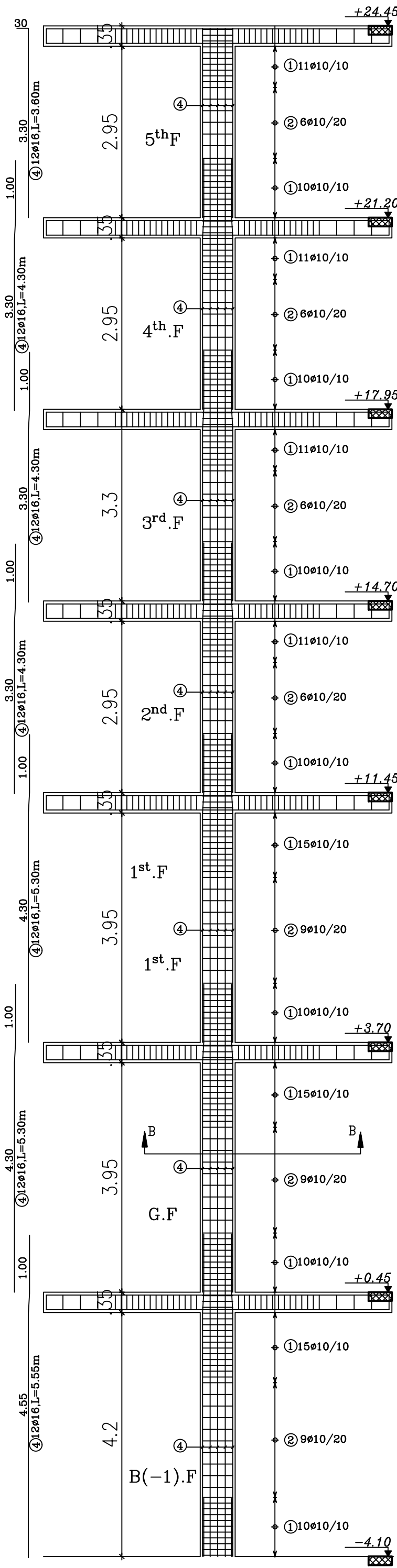
Scale:1/60

Section B-B

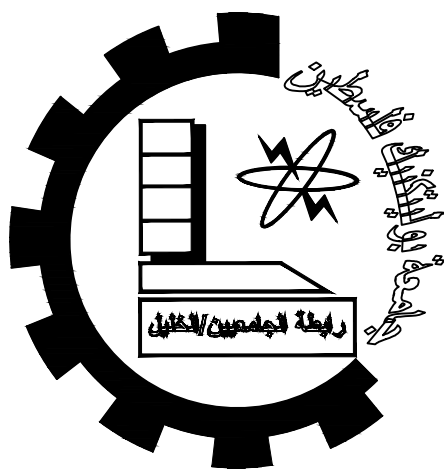


Scale:1/16

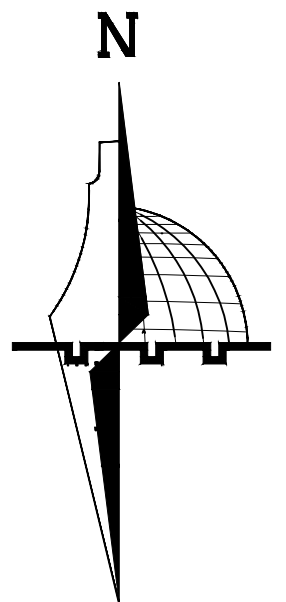
(C24, C28)



Scale:1/60



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



Legend :

- | | |
|---------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materials | GRASS |

DRAWING TITLE :

COLUMN G1 & G2

Supervisor

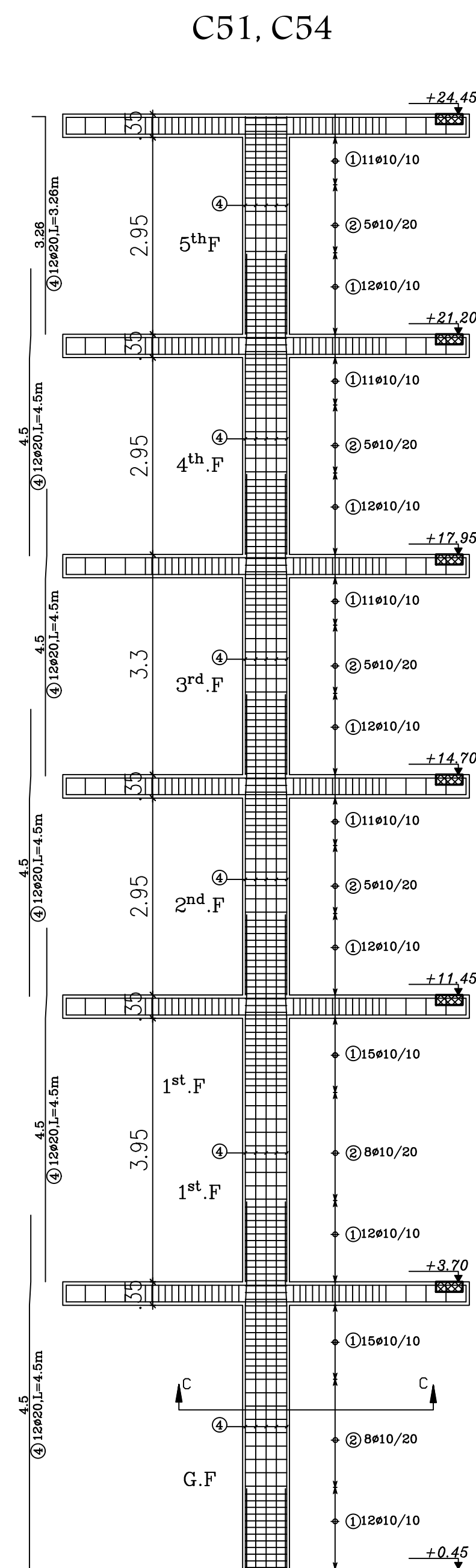
Dr.Hamdi idais.

Done by :

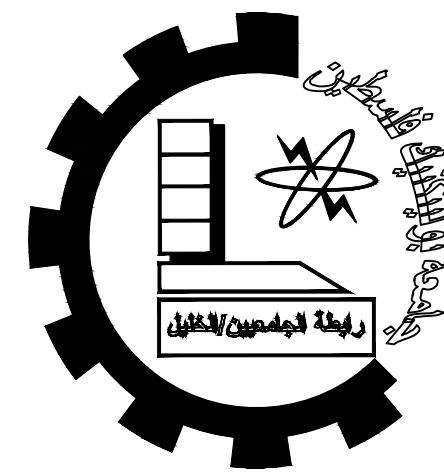
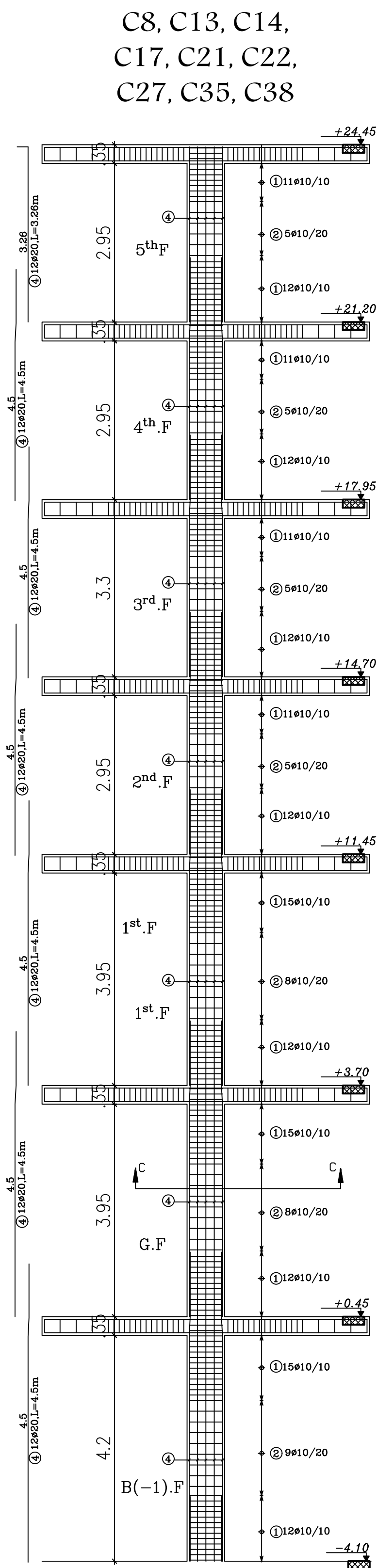
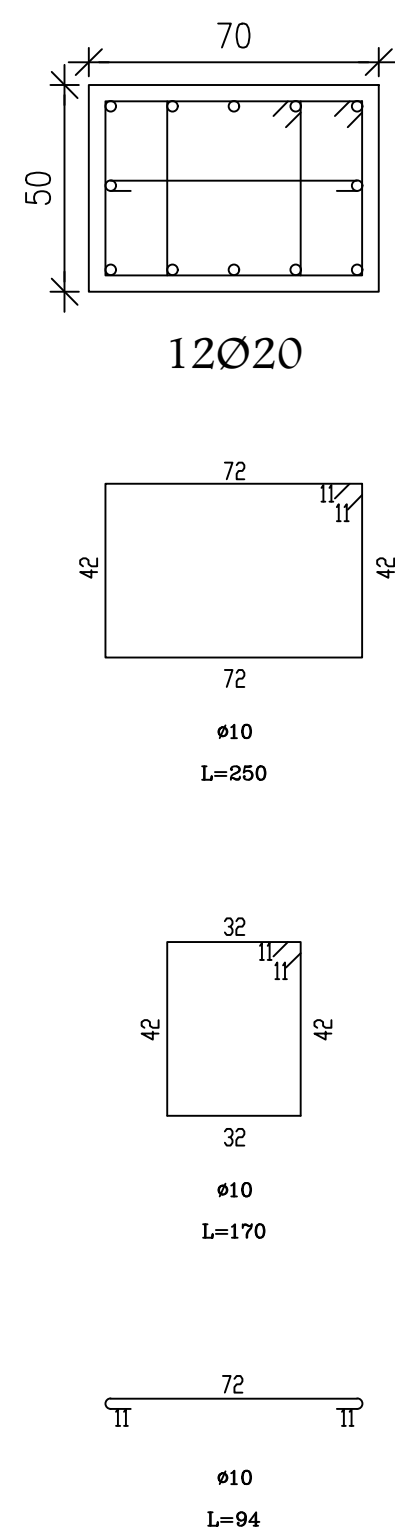
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S10	21/05/2023

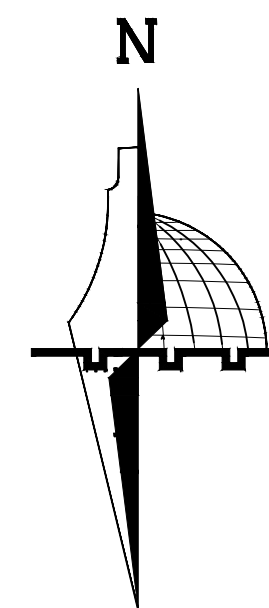
Column detailing G4



Section C-C



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
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Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

COLUMN G4

Supervisor

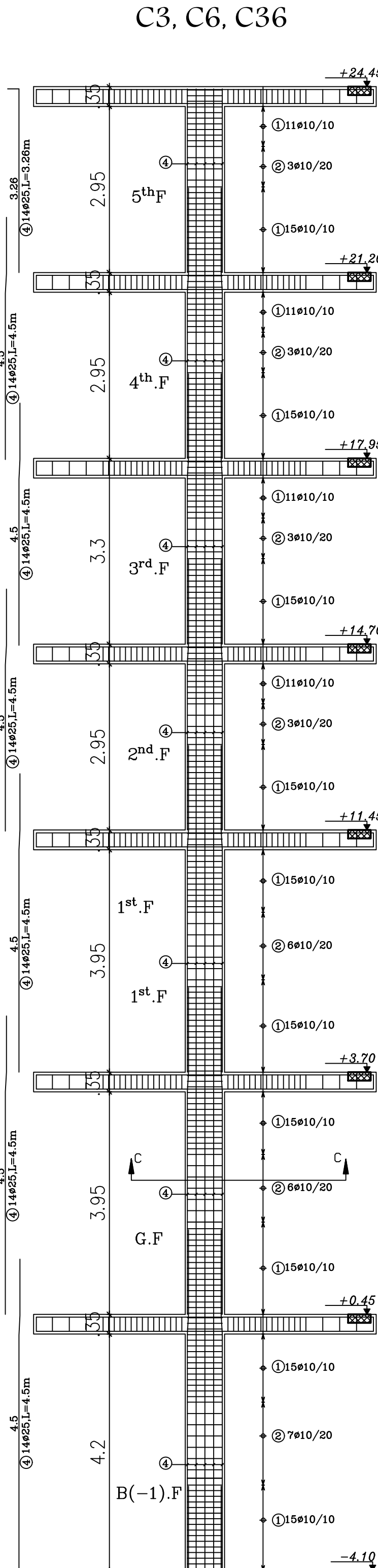
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

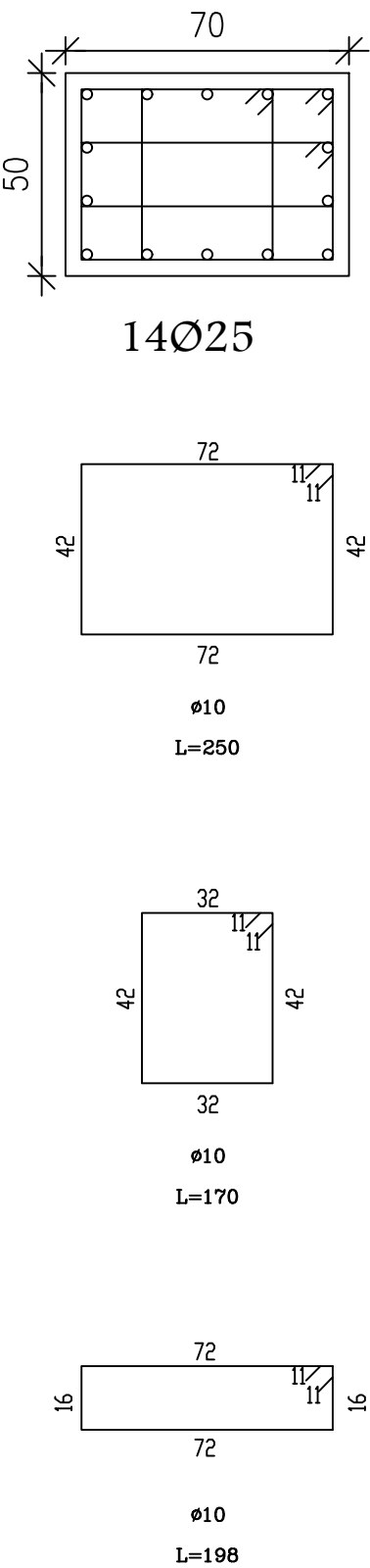
SCALE	No. of DRAW	DATE
1/100	S11	21/05/2023

Column detailing G5

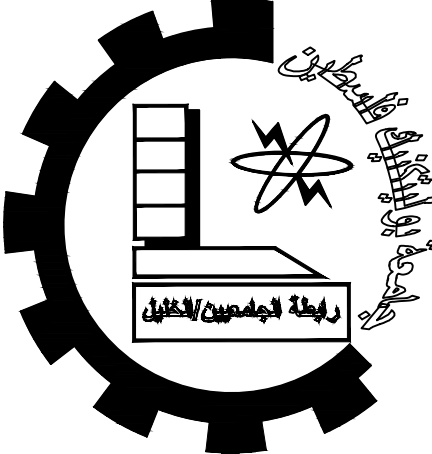


Scale:1/60

Section D-D



Scale:1/16



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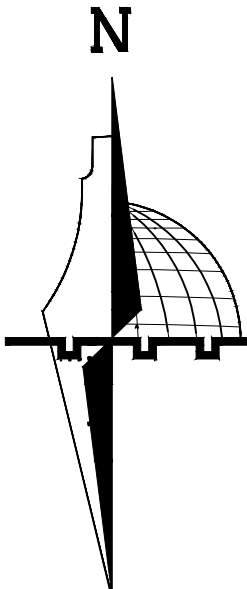
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

DRAWING TITLE :

COLUMN G5

Supervisor

Dr.Hamdi idais.

Done by :

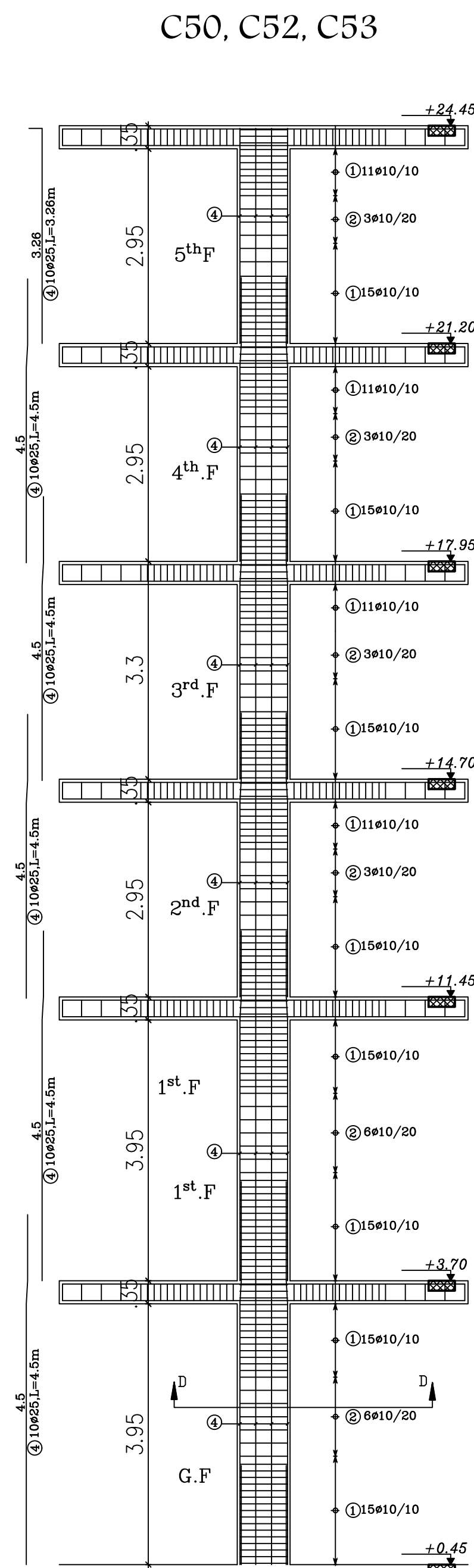
Mohammad AbuZahra

Sadam AbuQbete

Mohammad Nawajaa

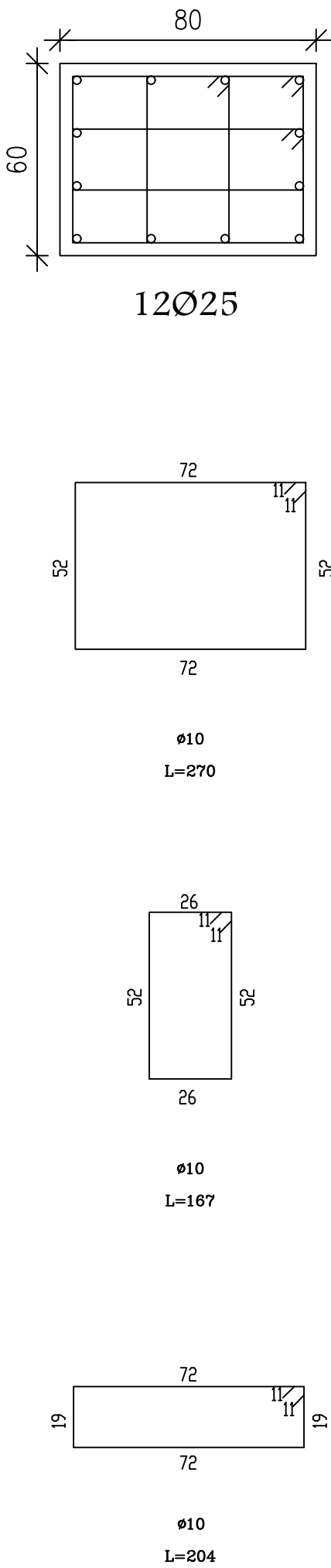
SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S12</i>	<i>21/05/2023</i>

Column detailing G6



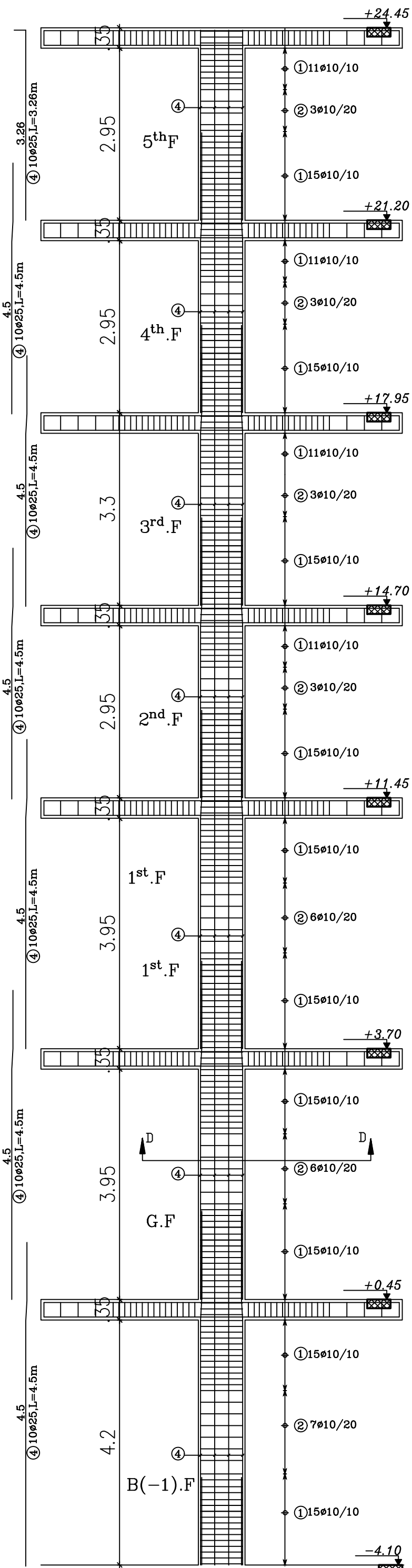
Scale:1/60

Section D-D

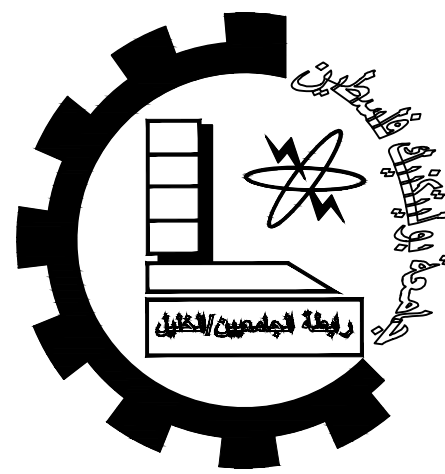


Scale:1/16

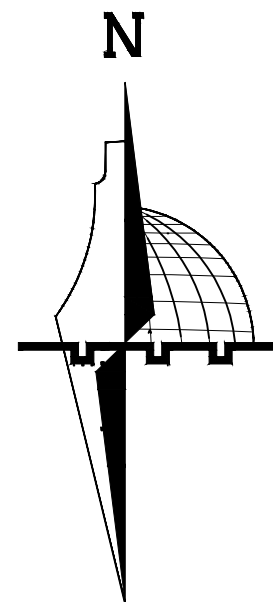
C18, C29



Scale:1/60



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Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

COLUMN G6

Supervisor

Dr.Hamdi idais.

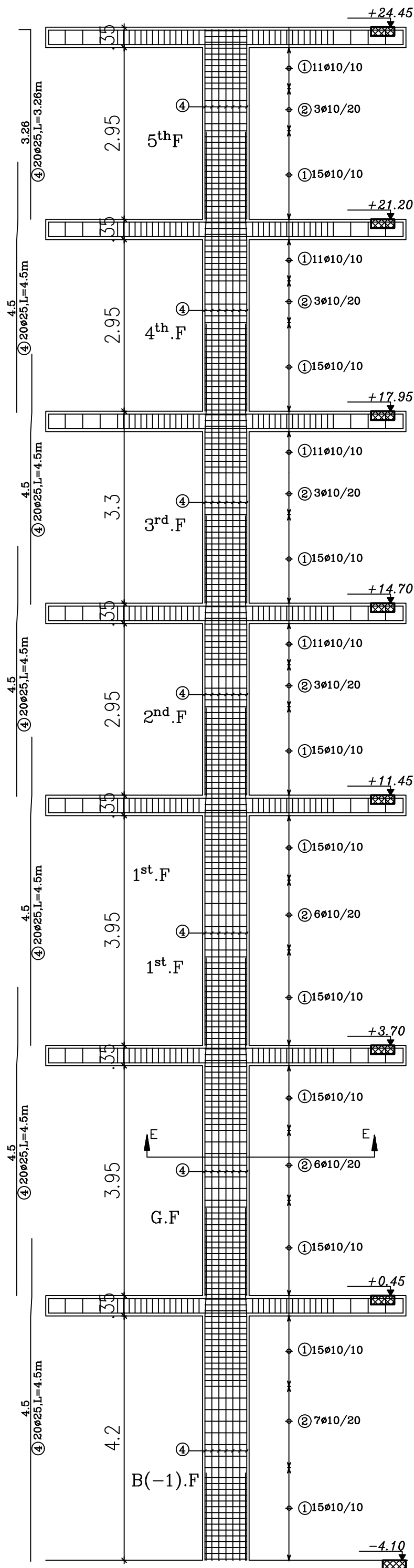
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S13	21/05/2023

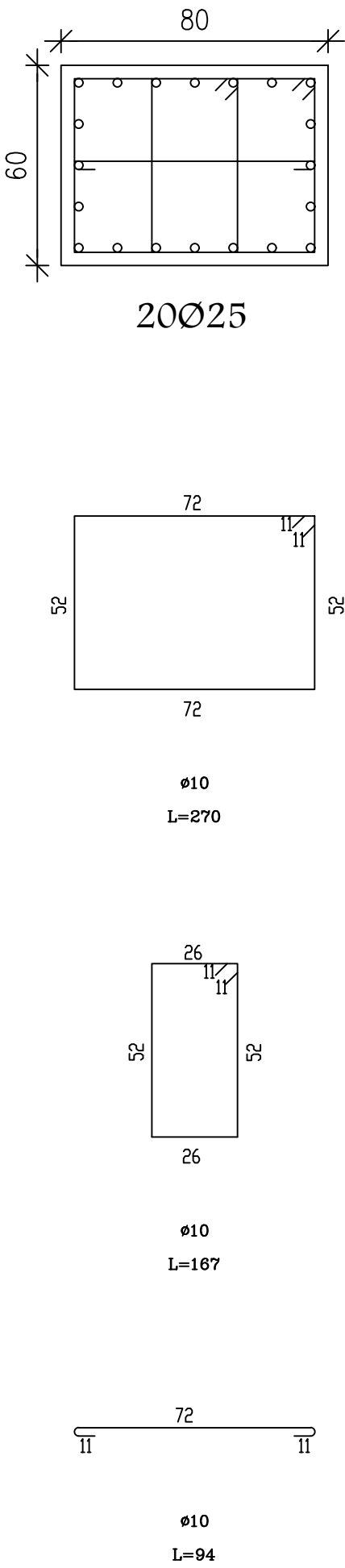
Column detailing G7

C7, C11, C15,
C20, C23, C25



Scale:1/60

Section E-E

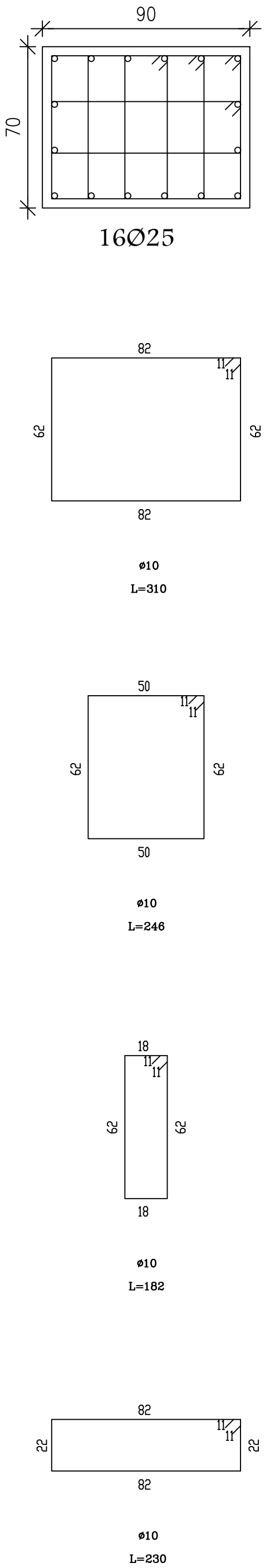


Scale:1/16

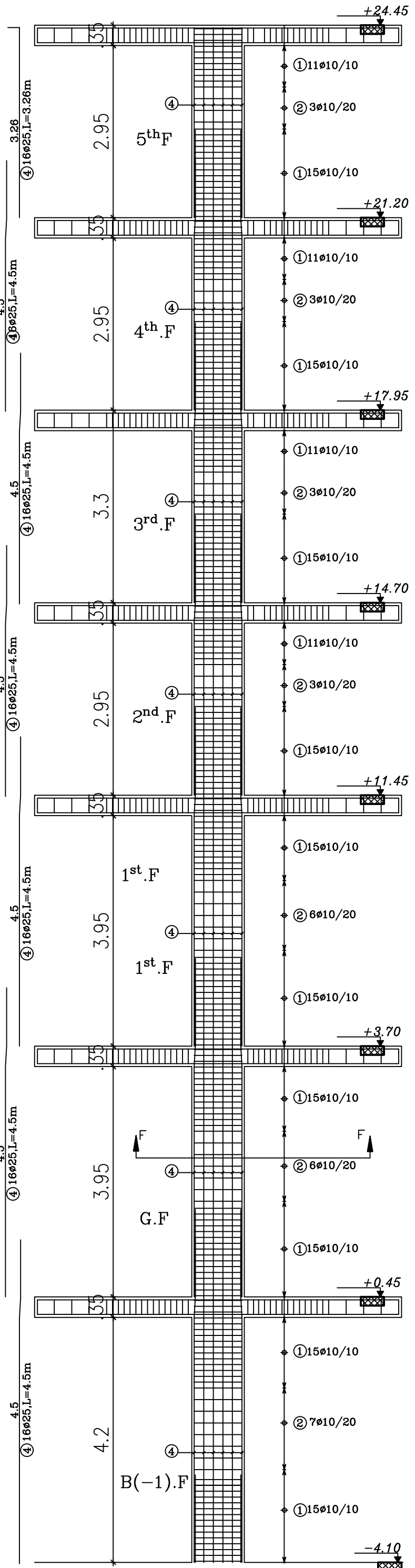
Column detailing G8

C5, C9, C10,
C19

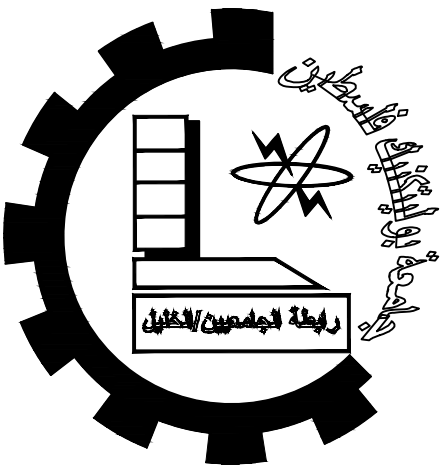
Section F-F



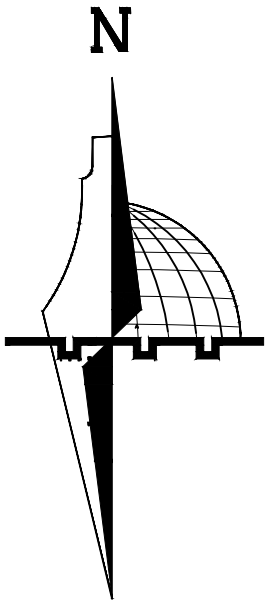
Scale:1/16



Scale:1/60



Palestine Polytechnic University
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Civil Engineering Department
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Graduation Project
Structural Design For
Hebron Hotel



Legend :

- Stone
- R.Concrete
- Concrete
- Hollow Block
- isolating materiales
- Gravel
- Wood
- HEXAGONAL TILES
- BAKLAVA TILES
- GRASS

DRAWING TITLE :

COLUMN G7 & G8

Supervisor

Dr.Hamdi idais.

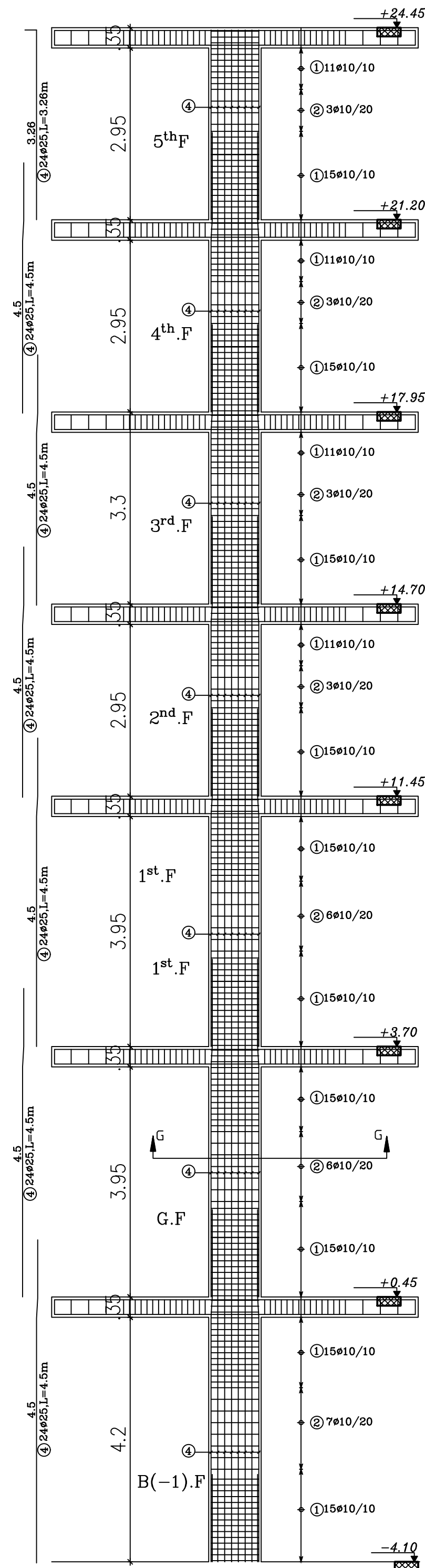
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S14	21/05/2023

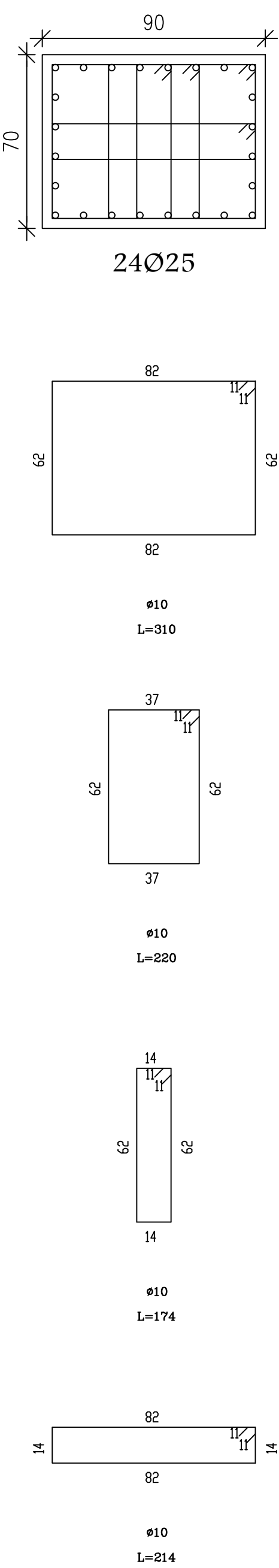
Column detailing G9

C1, C2, C4, C12,
C26,C30, C39



Scale:1/60

Section G-G

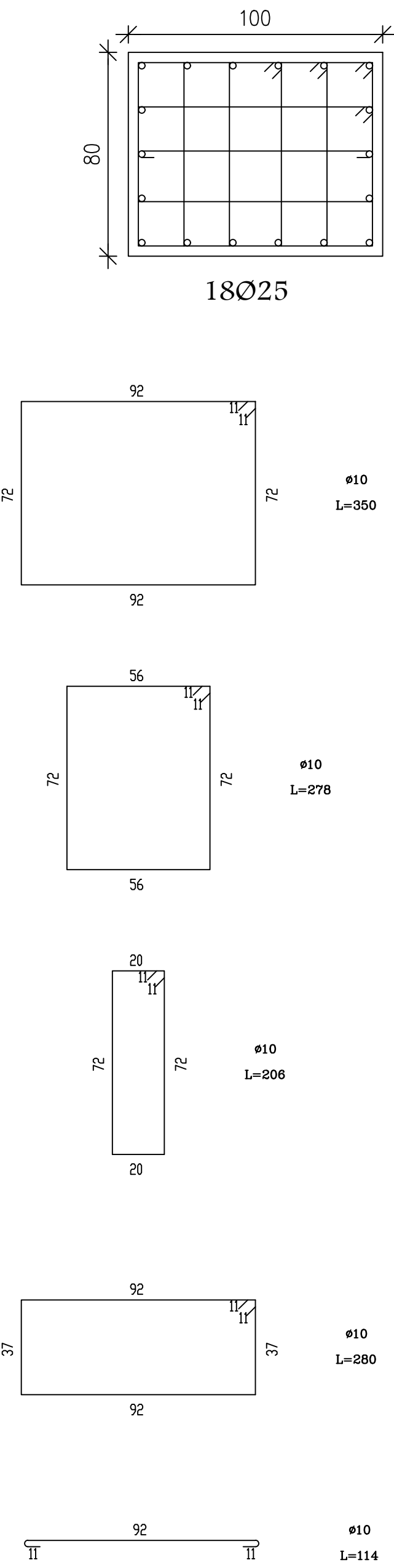


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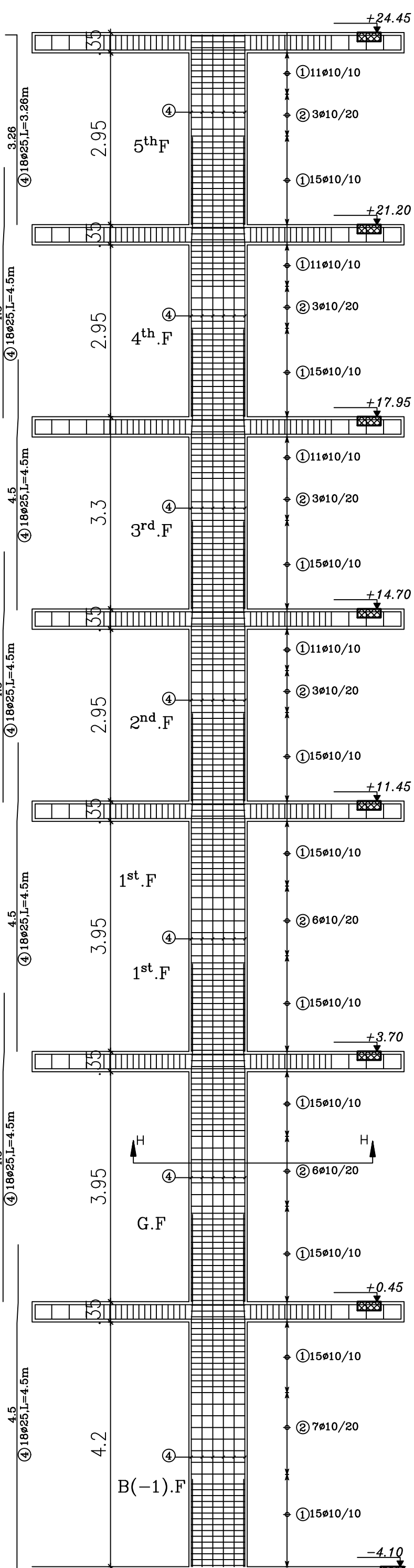
Column detailing G10

C37, C16

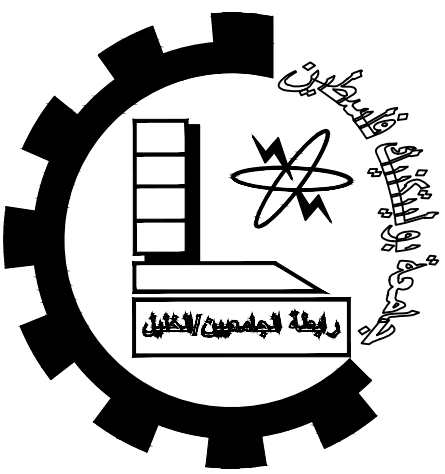
Section H-H



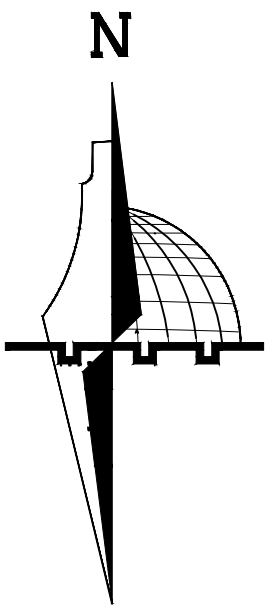
Scale:1/16



Scale:1/60



Palestine Polytechnic University
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Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



- Legend :
- Stone
 - R.Concrete
 - Concrete
 - Hollow Block
 - isolating materials
 - Gravel
 - Wood
 - HEXAGONAL TILES
 - BAKLAVA TILES
 - GRASS

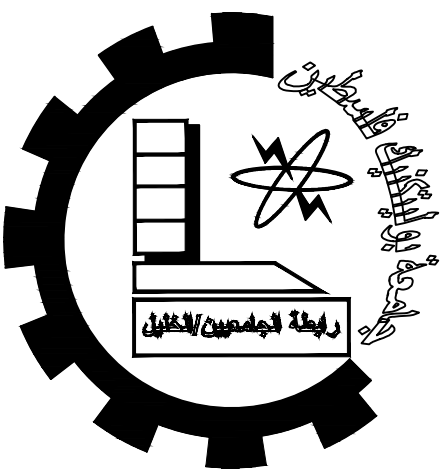
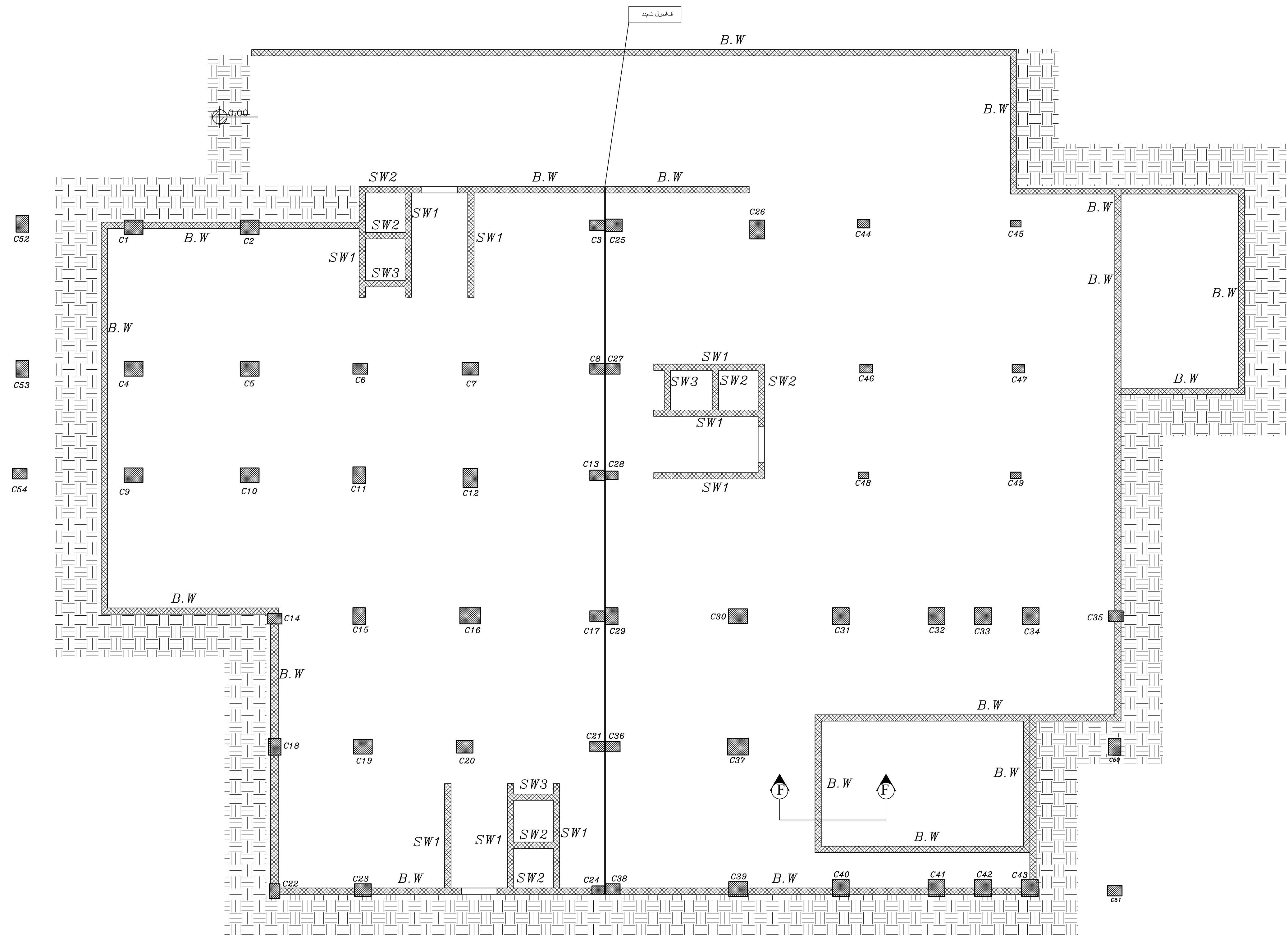
DRAWING TITLE :
COLUMN'S G9 & G10
Supervisor
Dr.Hamdi idais.

Done by :
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S15	21/05/2023

WALL PLAN

SCALE 1/100



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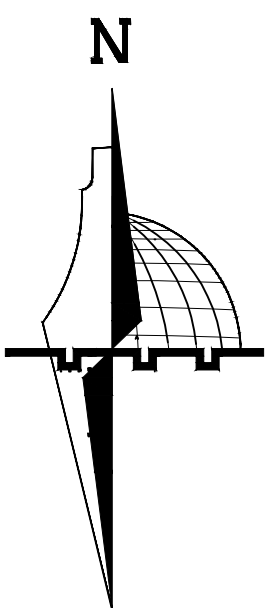
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

- | | |
|---------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materials | GRASS |

DRAWING TITLE :

WALL PLAN

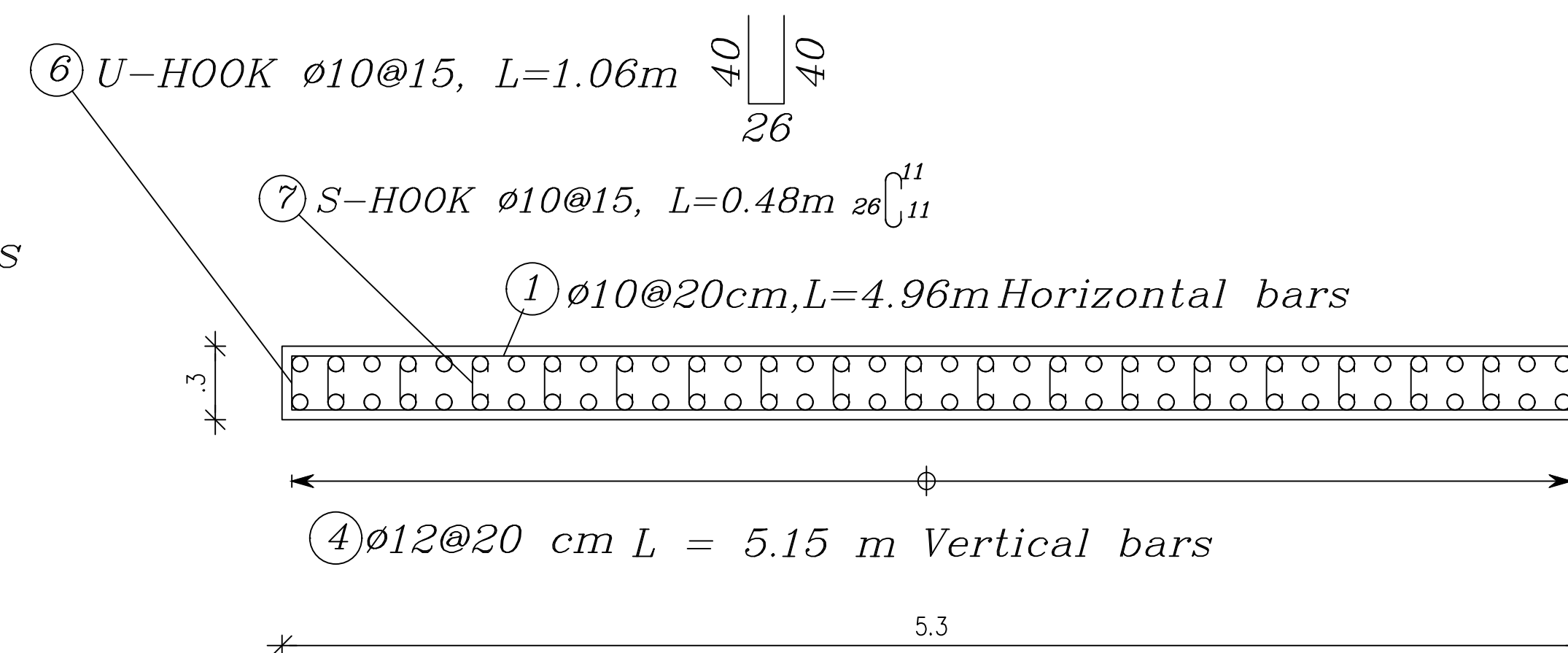
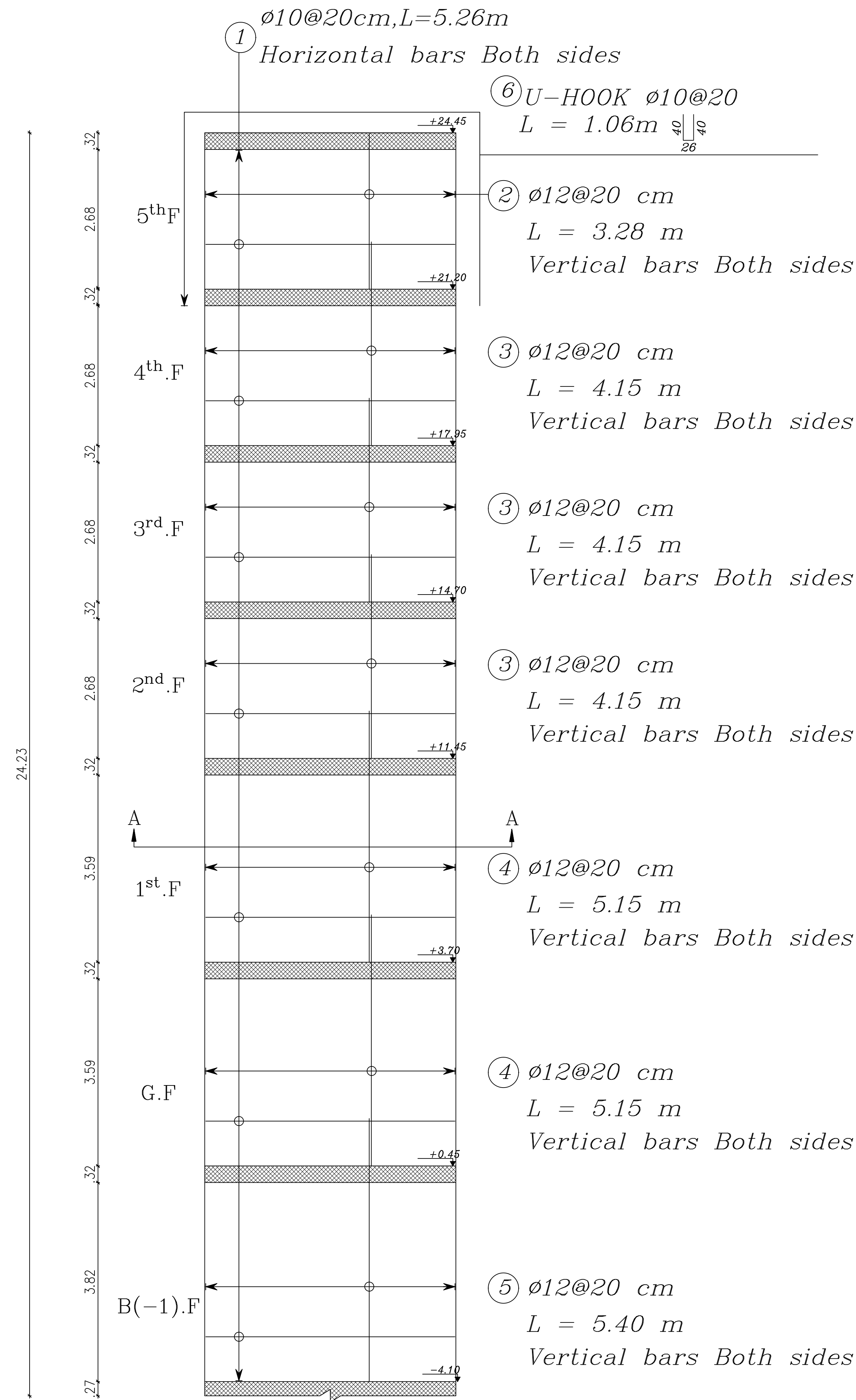
Supervisor

Dr.Hamdi idais.

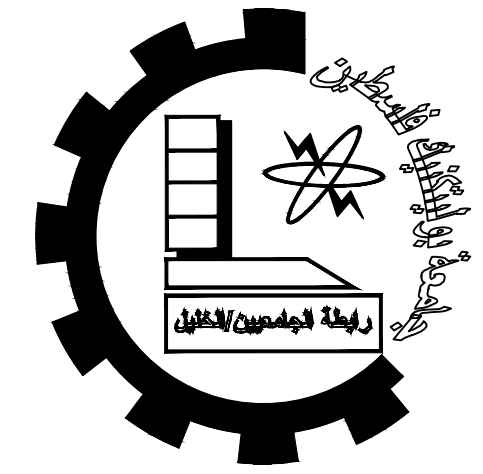
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

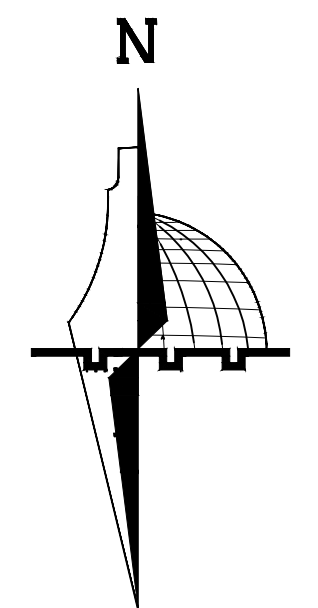
SCALE	No. of DRAW	DATE
1/100	S16	21/05/2023



S.W.1
SCALE 1:20



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Civil Engineering Department
Civil Engineering
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Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

SHEAR WALL 1
REINFORCEMENT

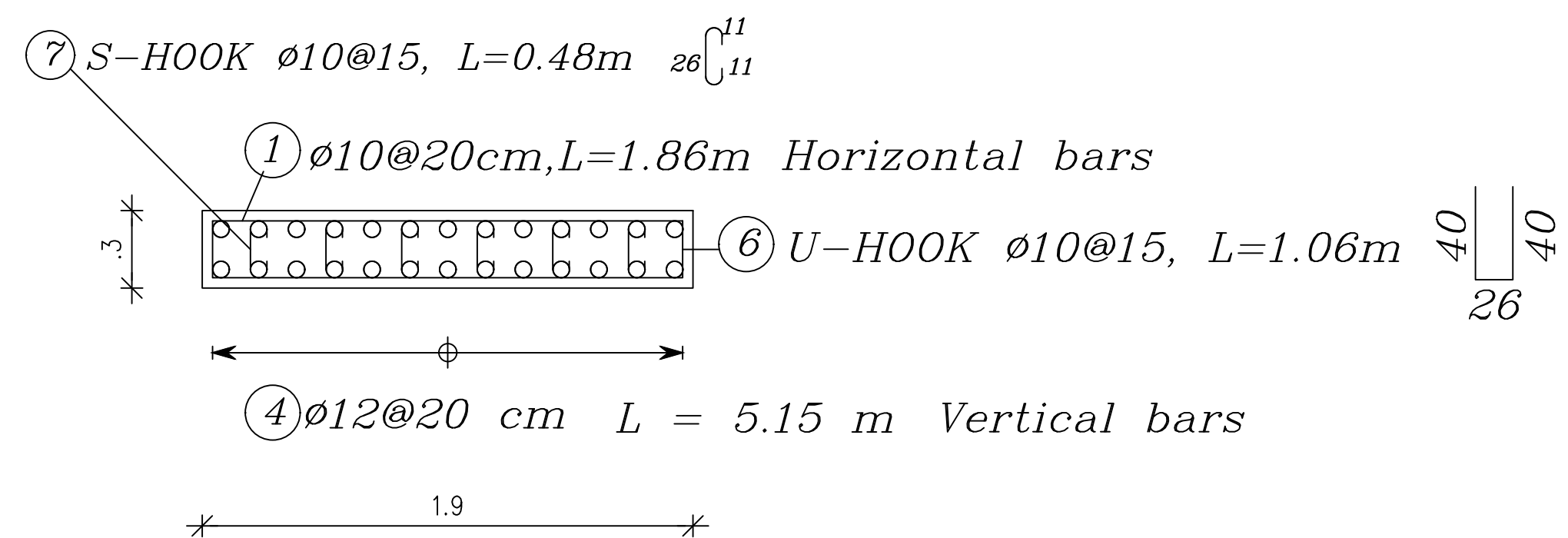
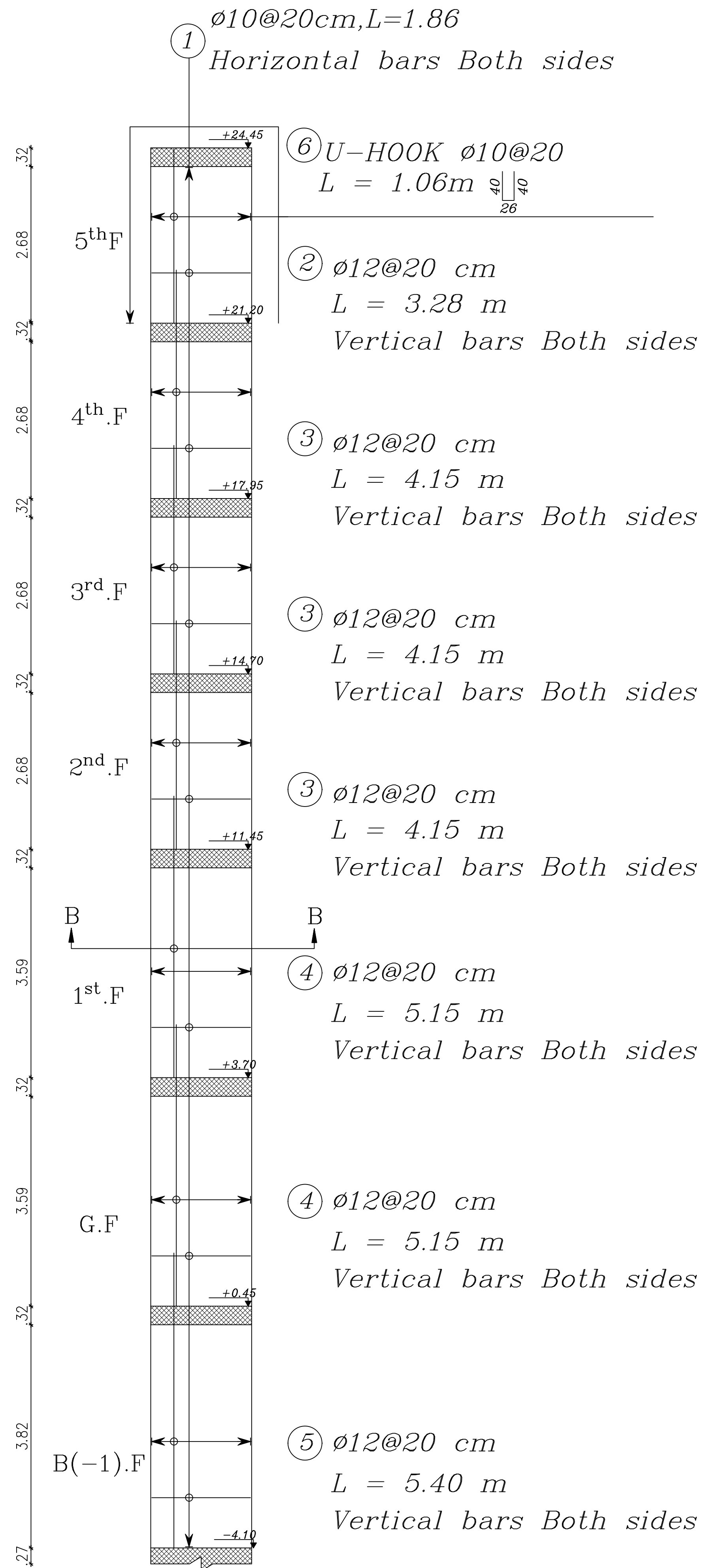
Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

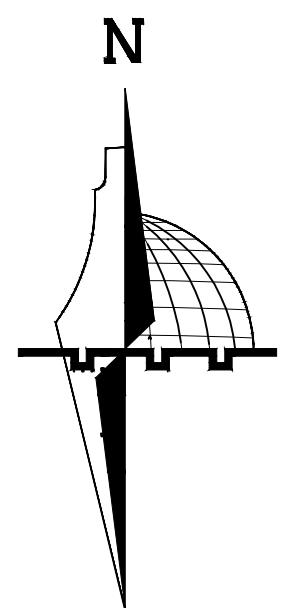
SCALE	No. of DRAW	DATE
1/100	S17	21/05/2023



S.W.2
 SCALE 1:20



Palestine Polytechnic University
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 Civil Engineering Department
 Civil Engineering
 Graduation Project
 Structural Design For
 Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

SHEAR WALL 2
 REINFORCEMENT

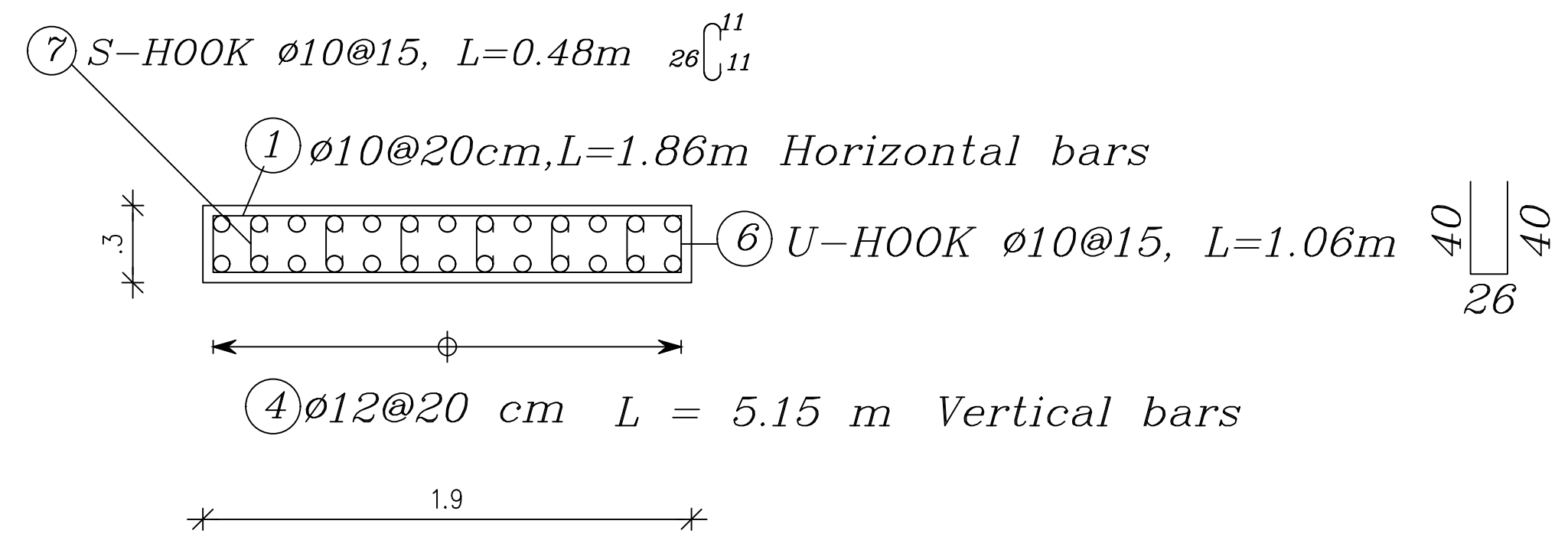
Supervisor

Dr.Hamdi idais.

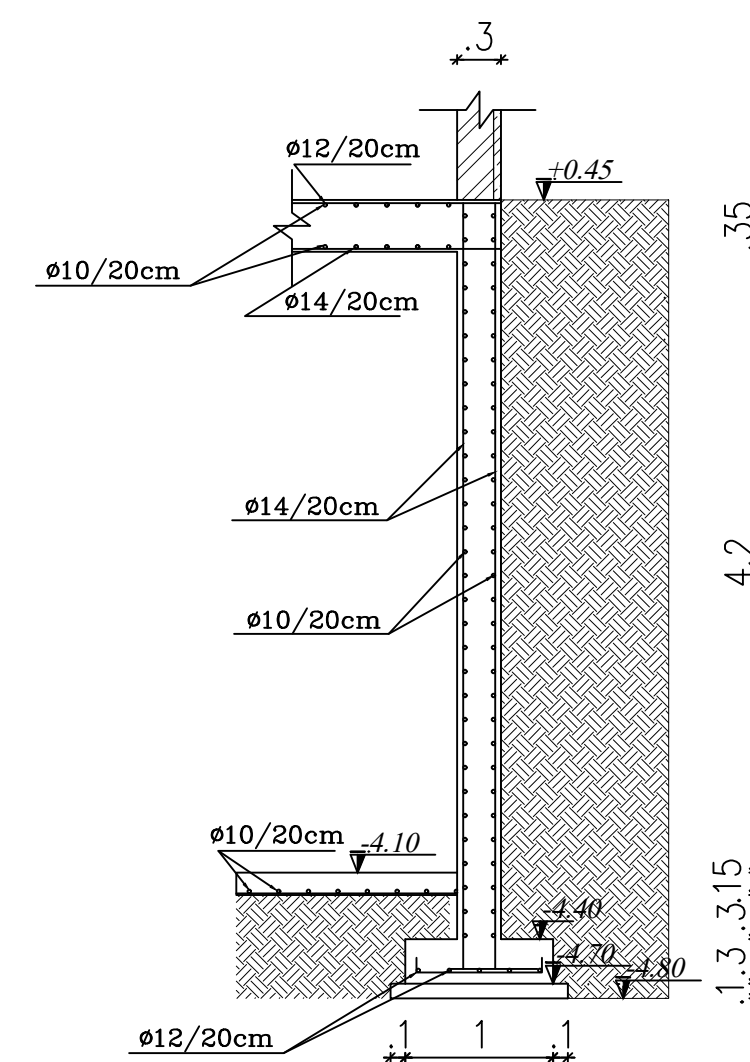
Done by :

Mohammad AbuZahra
 Sadam AbuQbete
 Mohammad Nawajaa

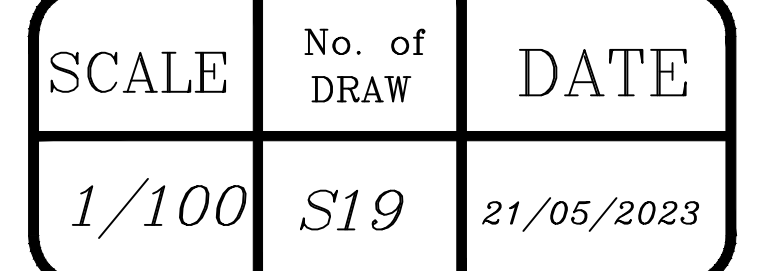
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1/100	S18	21/05/2023



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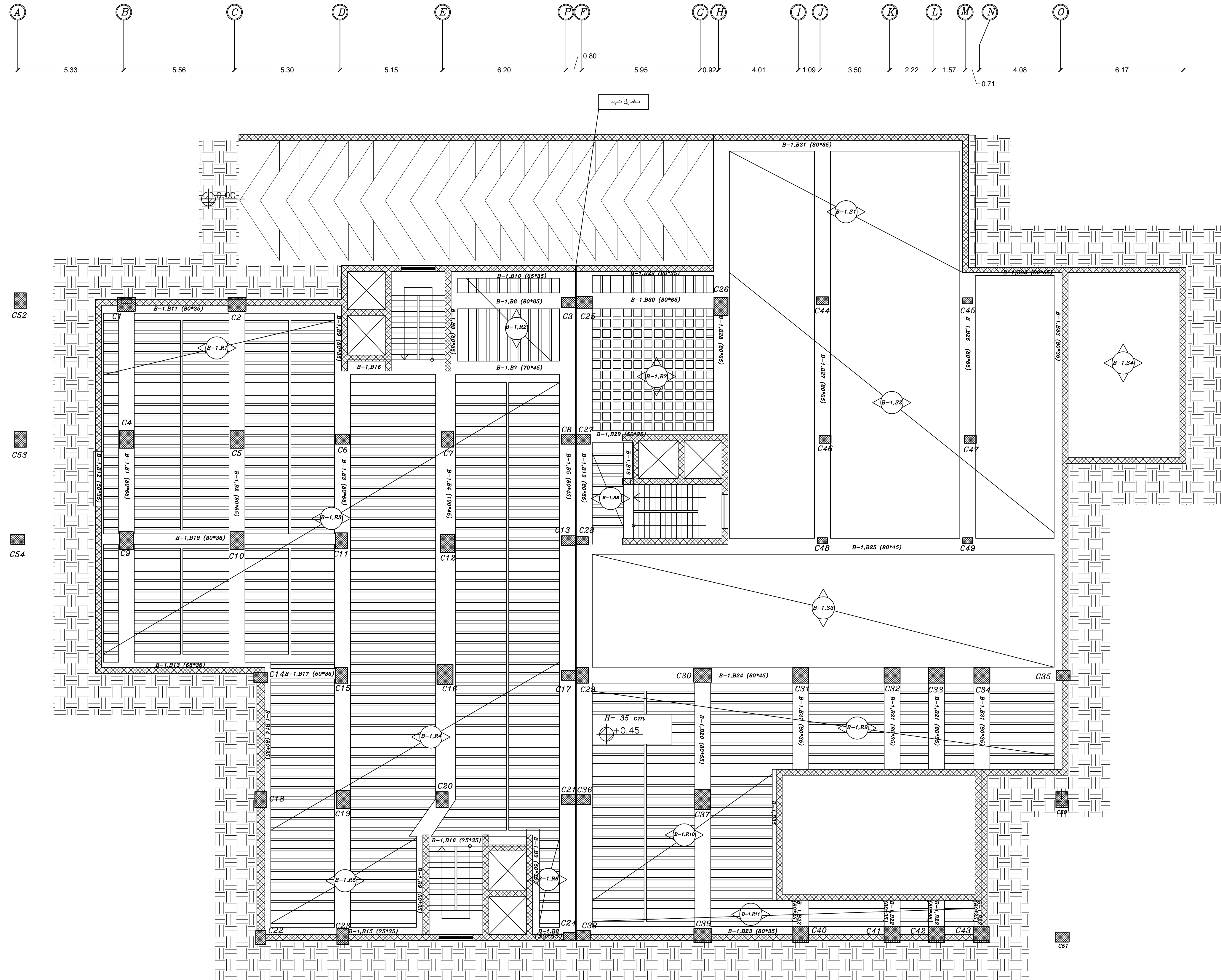


SCALE 1:20



BASEMENT FLOOR RIBS DISTRIBUTION

SCALE: 1/100



Palestine Polytechnic University

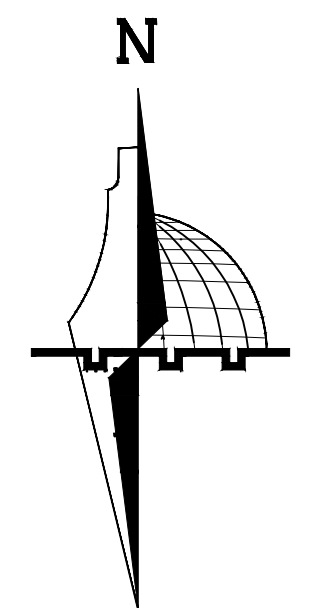
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

- Stone
- R.Concrete
- Concrete
- Hollow Block
- Isolating materials
- Gravel
- Wood
- HEXAGONAL TILES
- BAKLAVA TILES
- GRASS

DRAWING TITLE :

BASEMENT FLOOR
RIBS DISTRIBUTION

Supervisor

Dr.Hamdi idais.

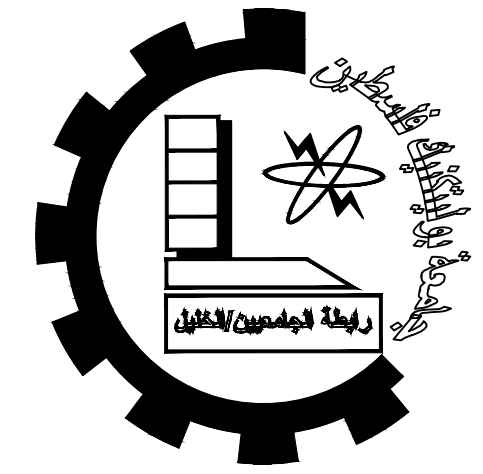
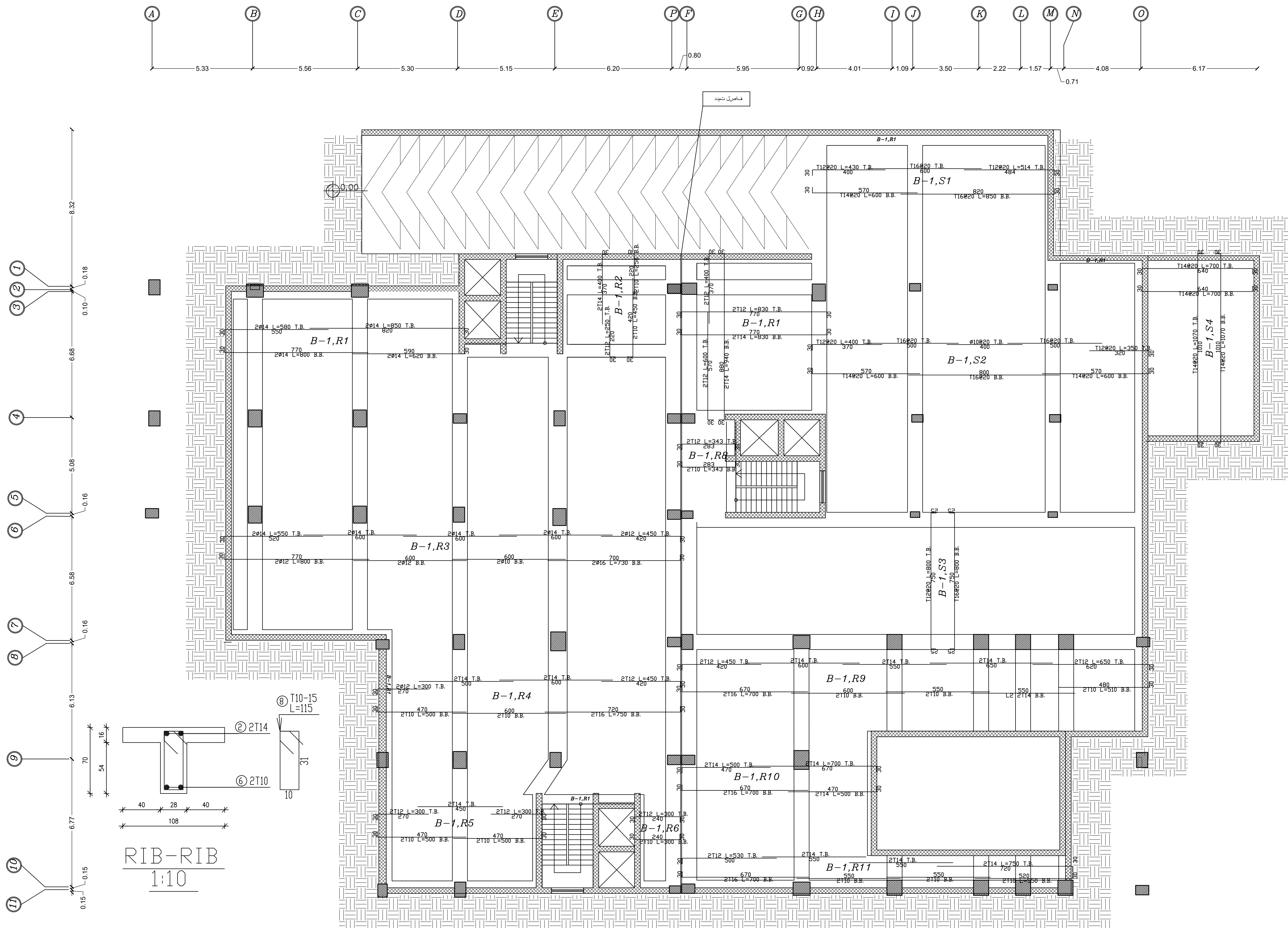
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S20	21/05/2023

BASEMENT FLOOR RIBS REINFORCEMENT

SCALE: 1/100



Palestine Polytechnic University

College of Engineering

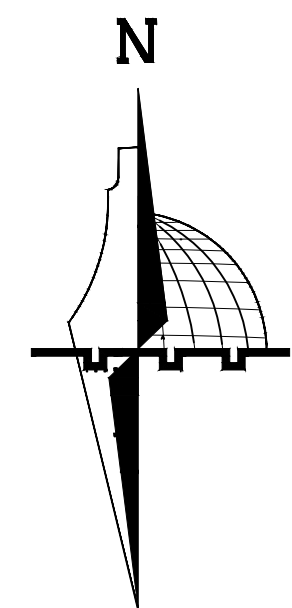
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

- | | | | |
|---|----------------------|---|-----------------|
|  | Stone |  | Gravel |
|  | R.Concrete |  | Wood |
|  | Concrete |  | HEXAGONAL TILES |
|  | Hollow Block |  | BAKLAVA TILES |
|  | isolating materiales |  | GRASS |

DRAWING TITLE :

BASEMENT FLOOR
RIBS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

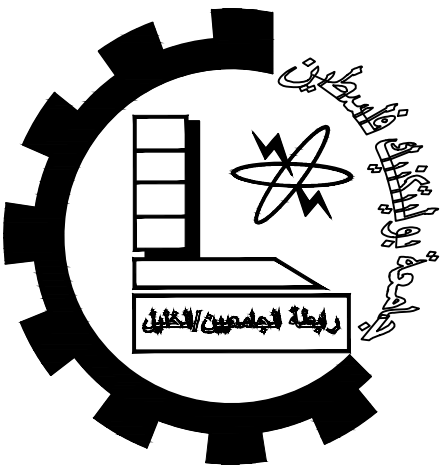
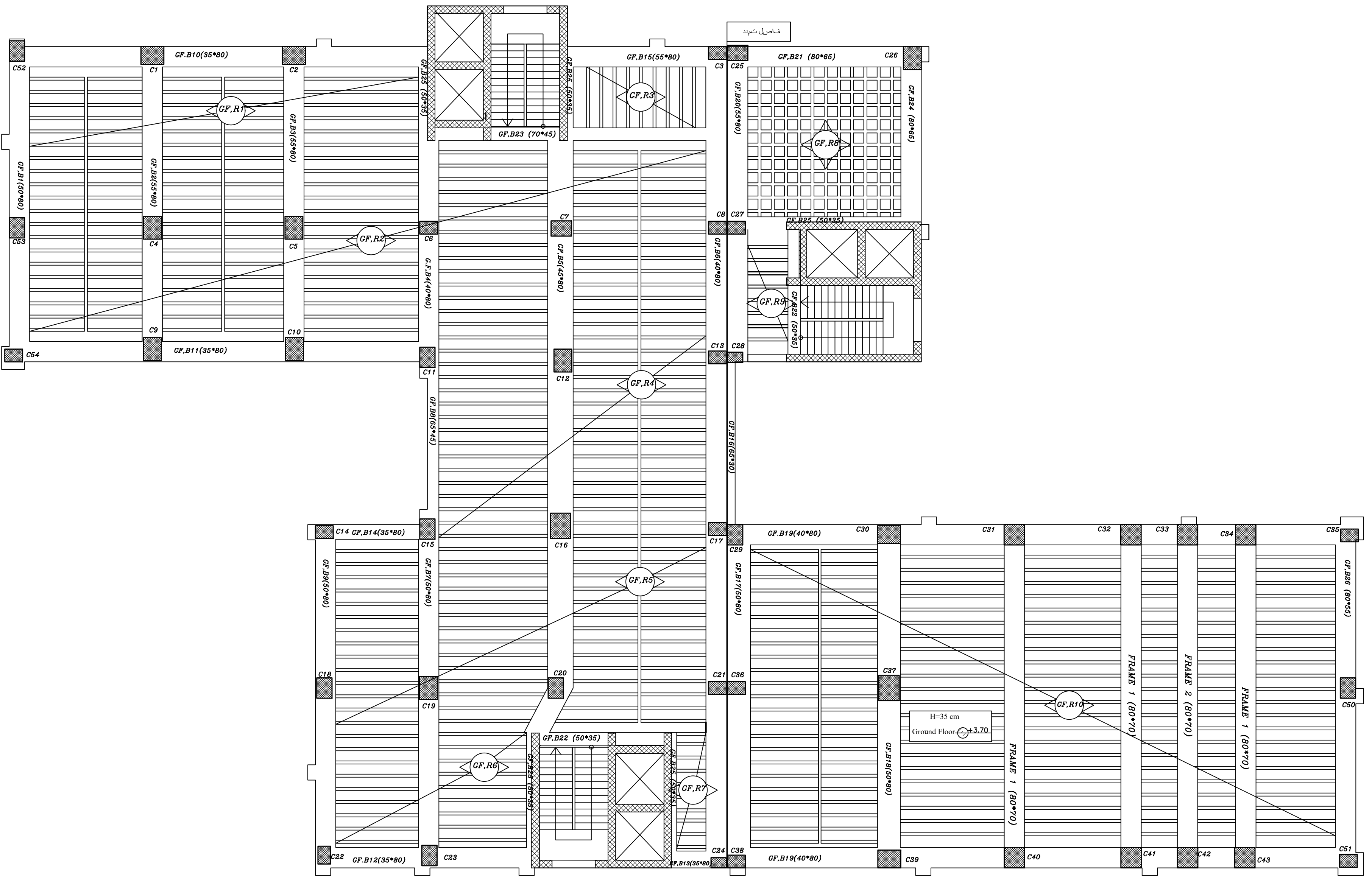
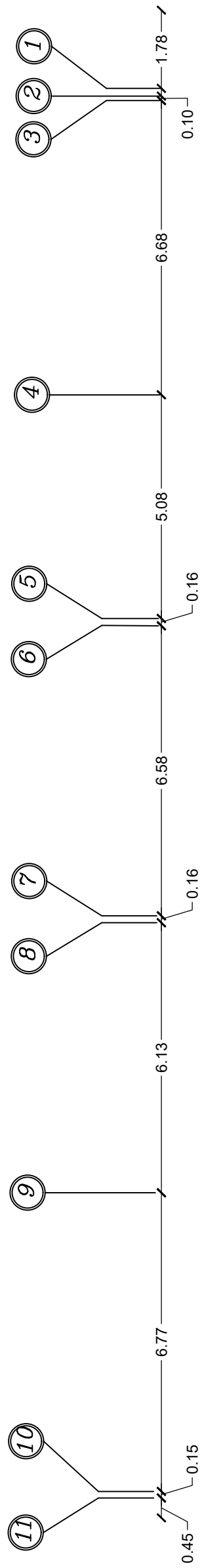
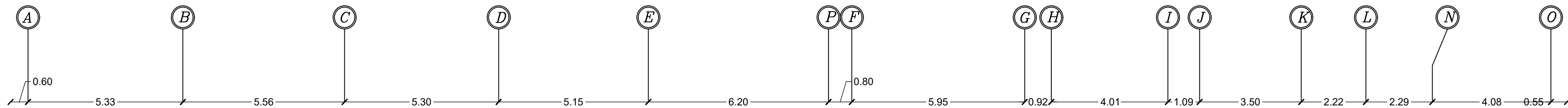
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

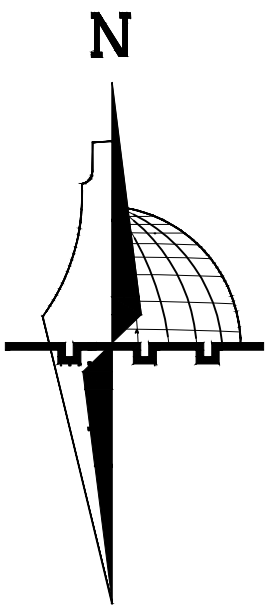
SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S21</i>	<i>21/05/2023</i>

GROUND FLOOR RIBS DISTRIBUTION

SCALE: 1/100



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



- Legend :
- | | |
|---------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materials | GRASS |

DRAWING TITLE :
GROUND FLOOR
RIBS DISTRIBUTION

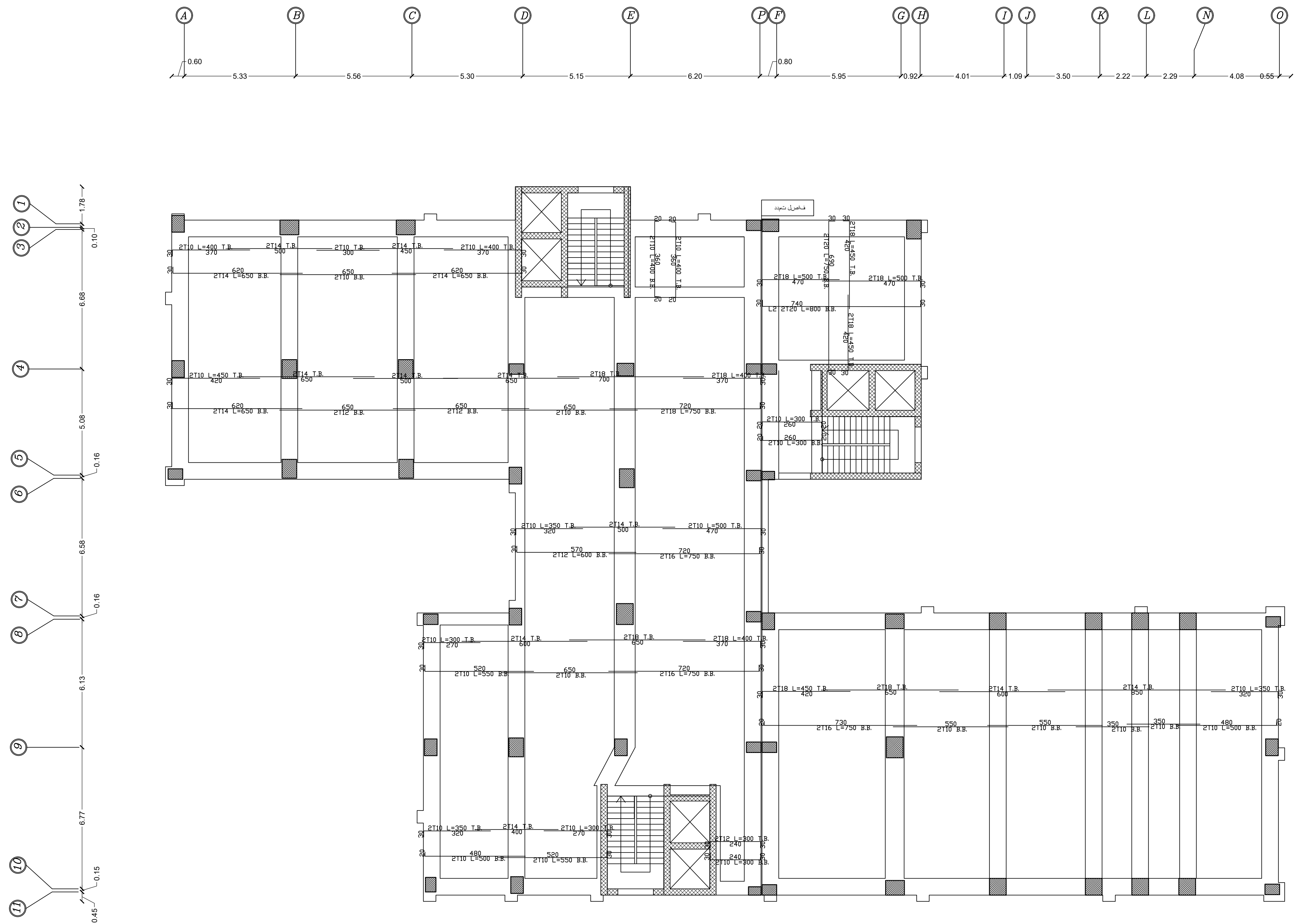
Supervisor
Dr.Hamdi idais.

Done by :
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S22	21/05/2023

GROUND FLOOR RIBS REINFORCEMENT

SCALE: 1/100



Palestine Polytechnic University

College of Engineering

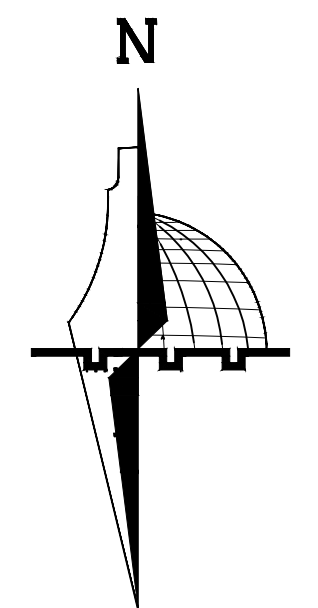
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

GROUND FLOOR
RIBS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

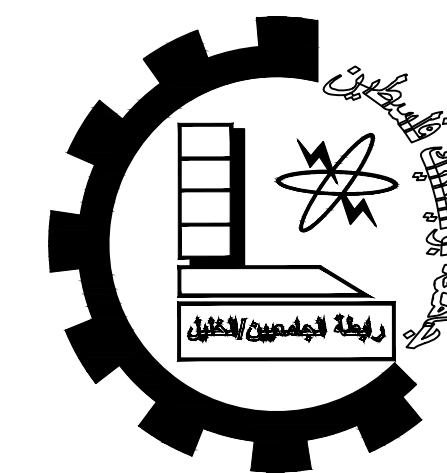
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S23	21/05/2023

FIRST FLOOR RIBS DISTRIBUTION

SCALE: 1/100



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College of Engineering

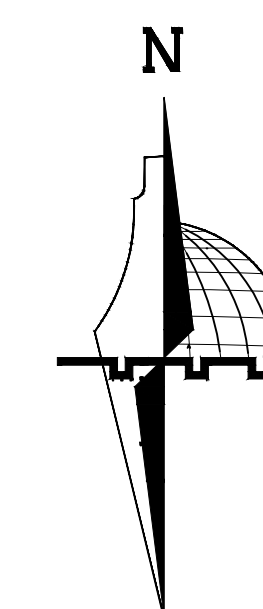
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

- | | | | |
|---|---------------------|---|-----------------|
|  | Stone |  | Gravel |
|  | R.Concrete |  | Wood |
|  | Concrete |  | HEXAGONAL TILES |
|  | Hollow Block |  | BAKLAVA TILES |
|  | isolating materials |  | GRASS |

DRAWING TITLE :

FIRST FLOOR
RIBS DISTRIBUTION

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra

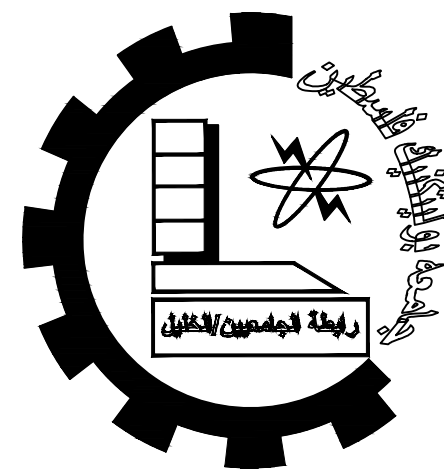
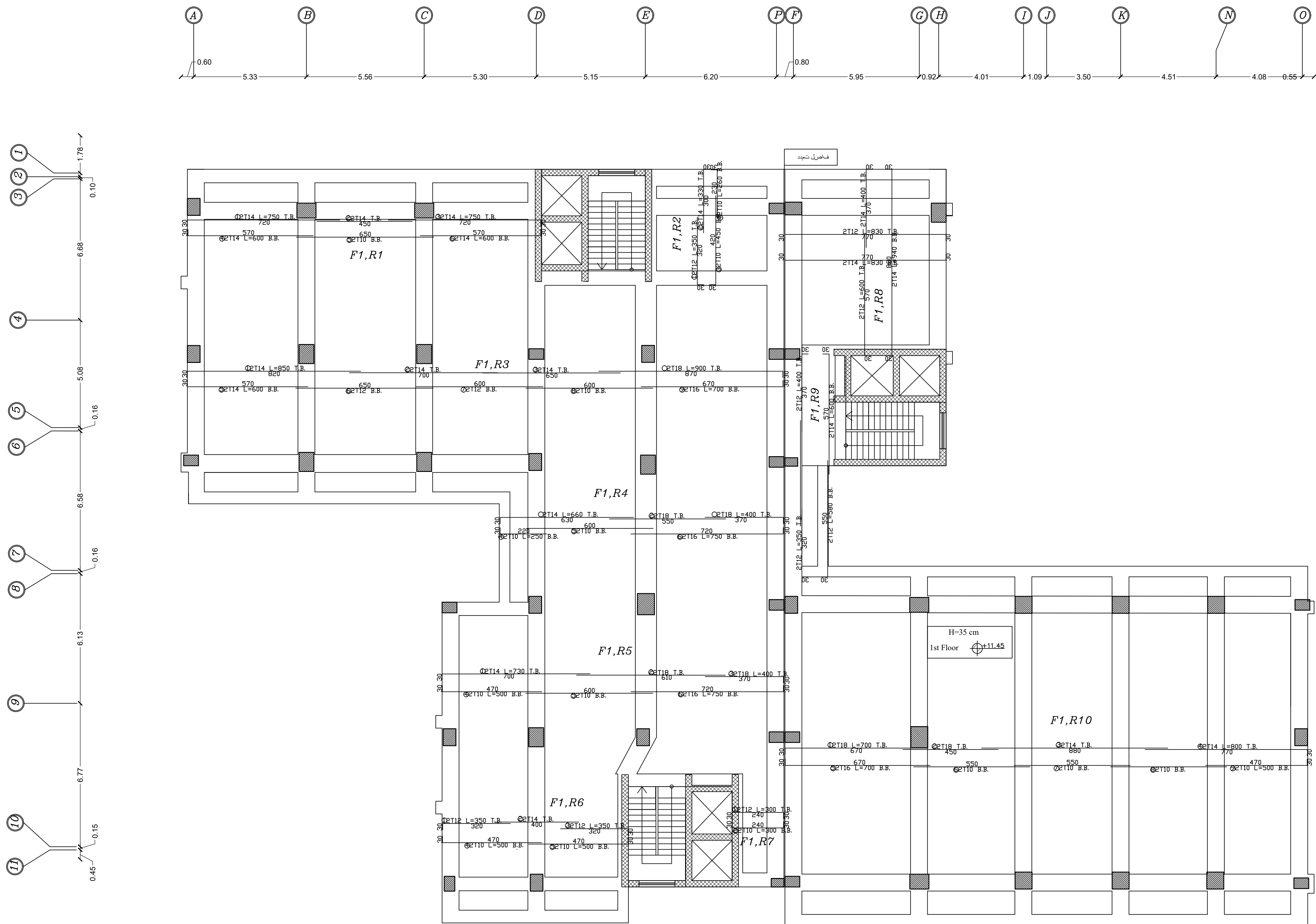
Sadam AbuQbete

Mohammad Nawajaa

SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S24</i>	<i>21/05/2023</i>

FIRST FLOOR RIBS REINFORCEMENT

SCALE: 1/100



Palestine Polytechnic University

College of Engineering

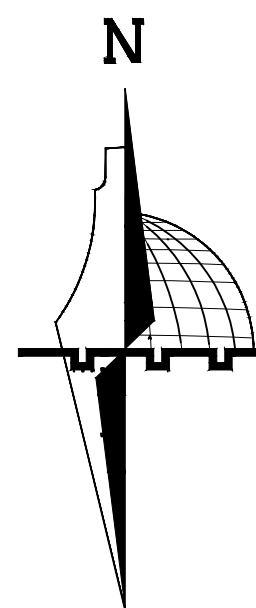
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

- Stone
- R.Concrete
- Concrete
- Hollow Block
- isolating materials
- Gravel
- Wood
- HEXAGONAL TILES
- BAKLAVA TILES
- GRASS

DRAWING TITLE :

FIRST FLOOR
RIBS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

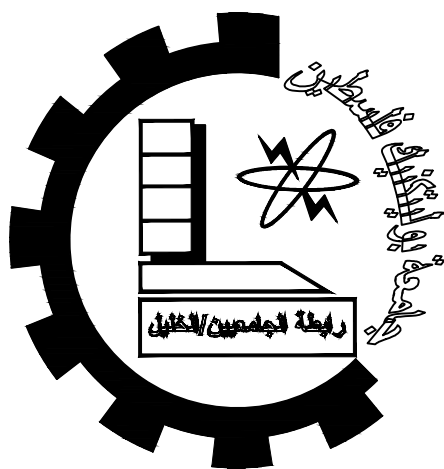
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S25	21/05/2023

2ND-5TH FLOOR RIBS DISTRIBUTION

SCALE: 1/100



Palestine Polytechnic University

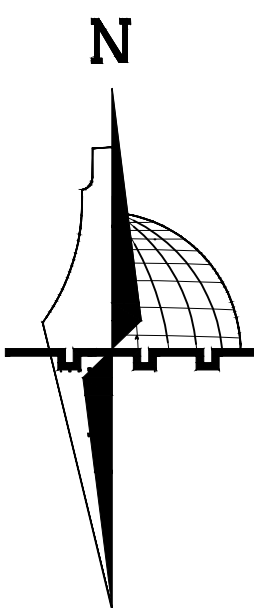
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

2ND-5TH FLOOR
RIBS DISTRIBUTION

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE

No. of
DRAW

DATE

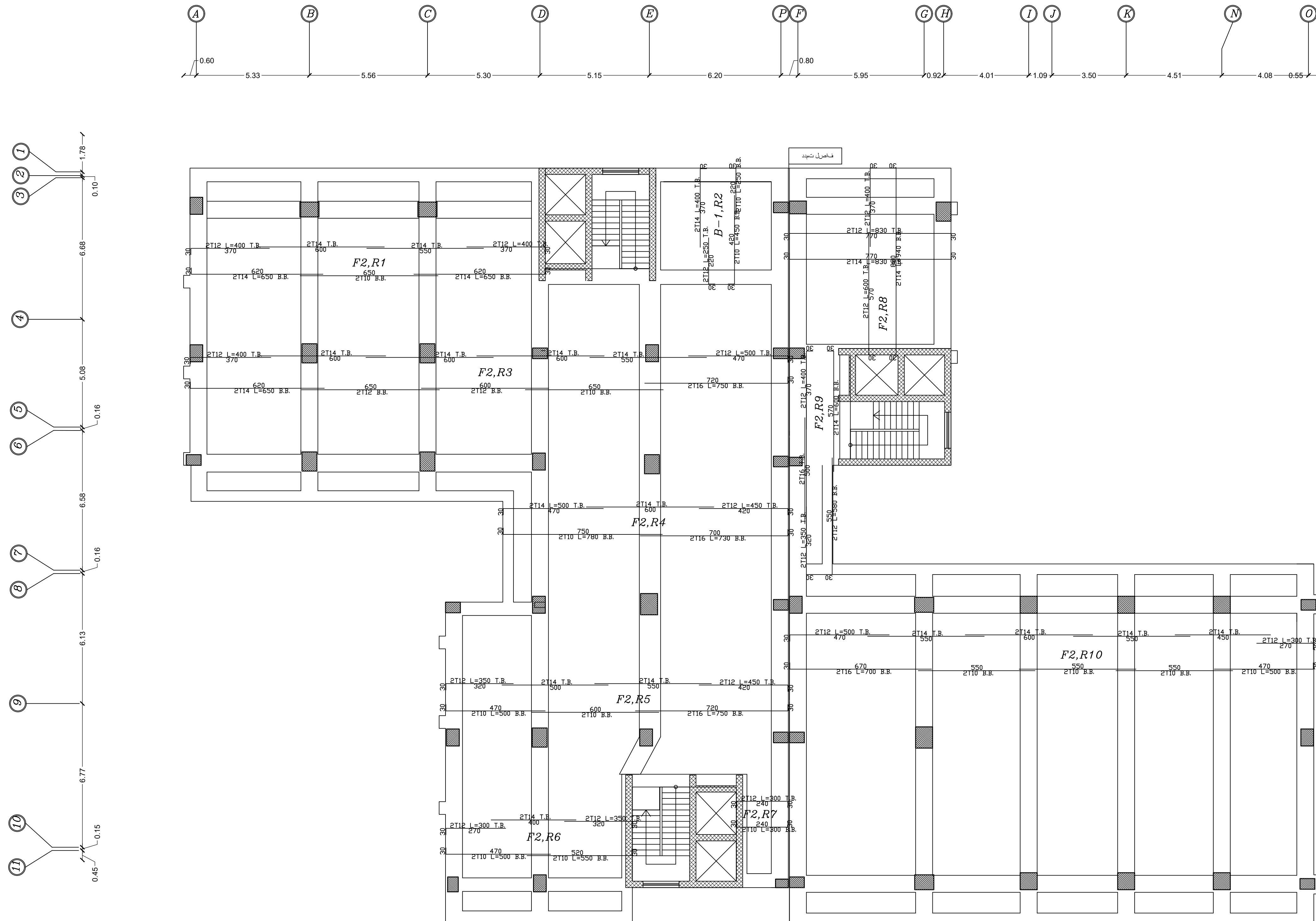
1/100

S26

21/05/2023

2ND-5TH FLOOR RIBS REINFORCEMENT

SCALE: 1/100



Palestine Polytechnic University

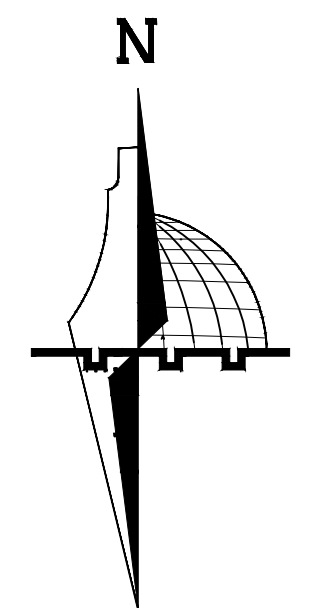
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materials	GRASS

DRAWING TITLE :

2ND-5TH FLOOR
RIBS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

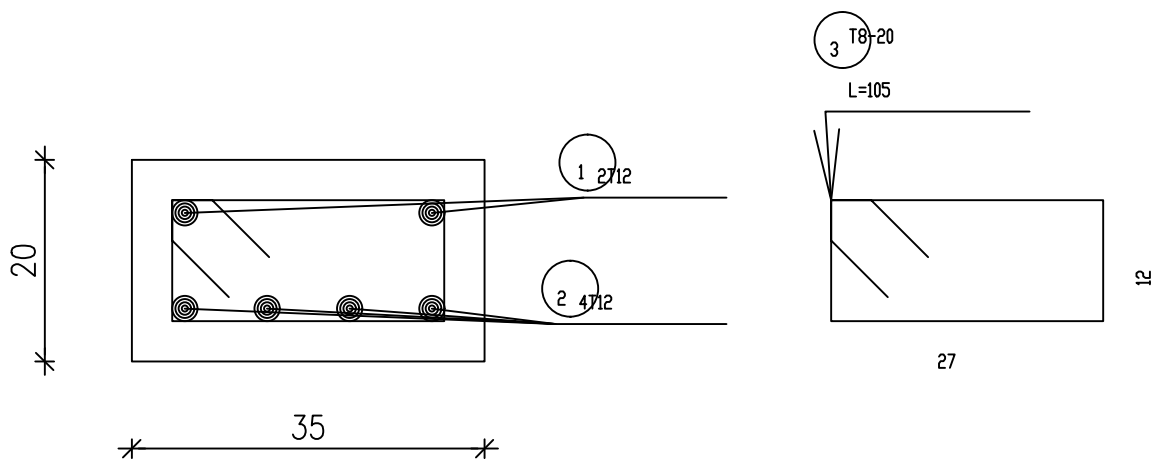
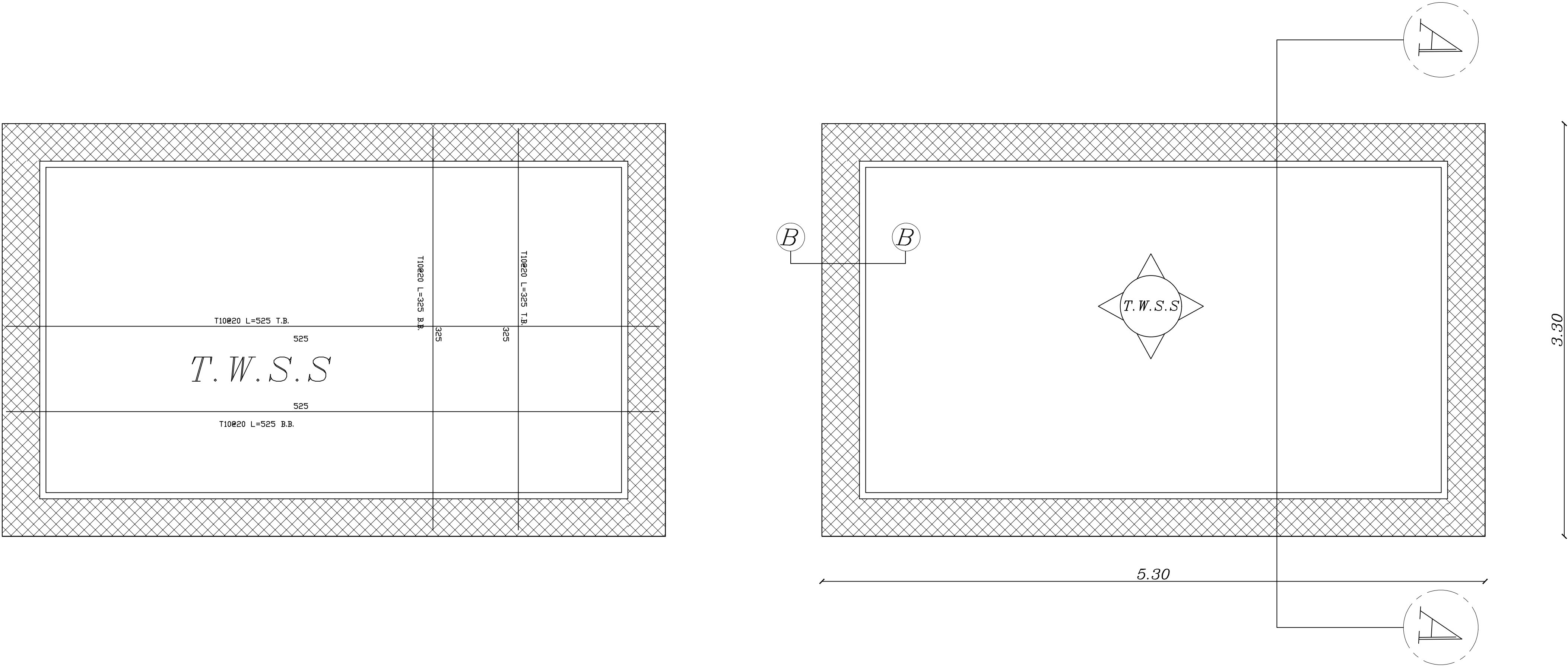
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S27	21/05/2023

STAIRCASE FLOOR STEEL DISTRIBUTION & REINFORCEMENT

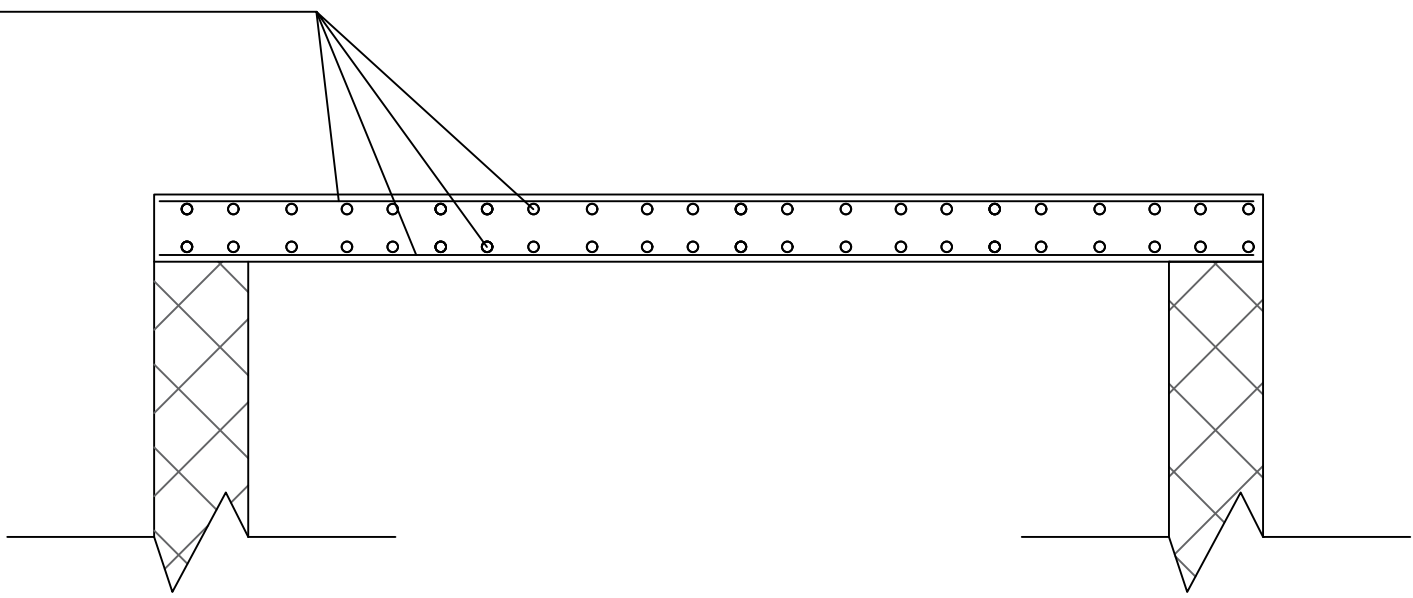
SCALE: 1/20



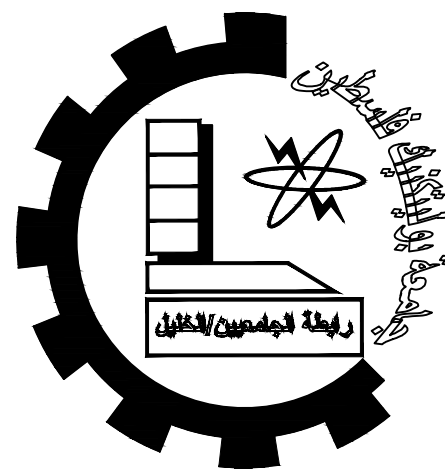
Section B-B

Scale: 1/15

T&B $\varnothing 10@20\text{cm}$



section A-A



Palestine Polytechnic University

College of Engineering

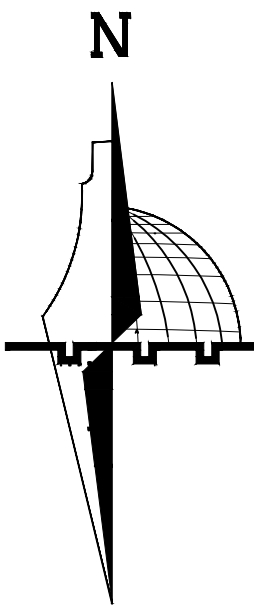
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

STAIRCASE FLOOR
STEEL DIST & REIN

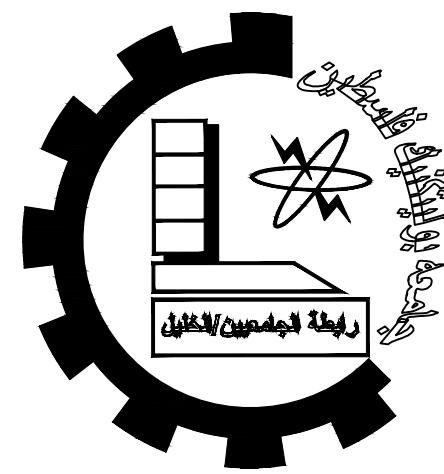
Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S28	21/05/2023



Palestine Polytechnic University

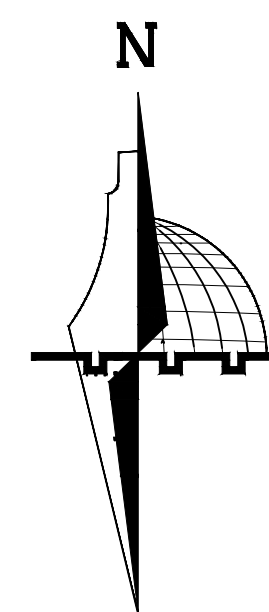
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

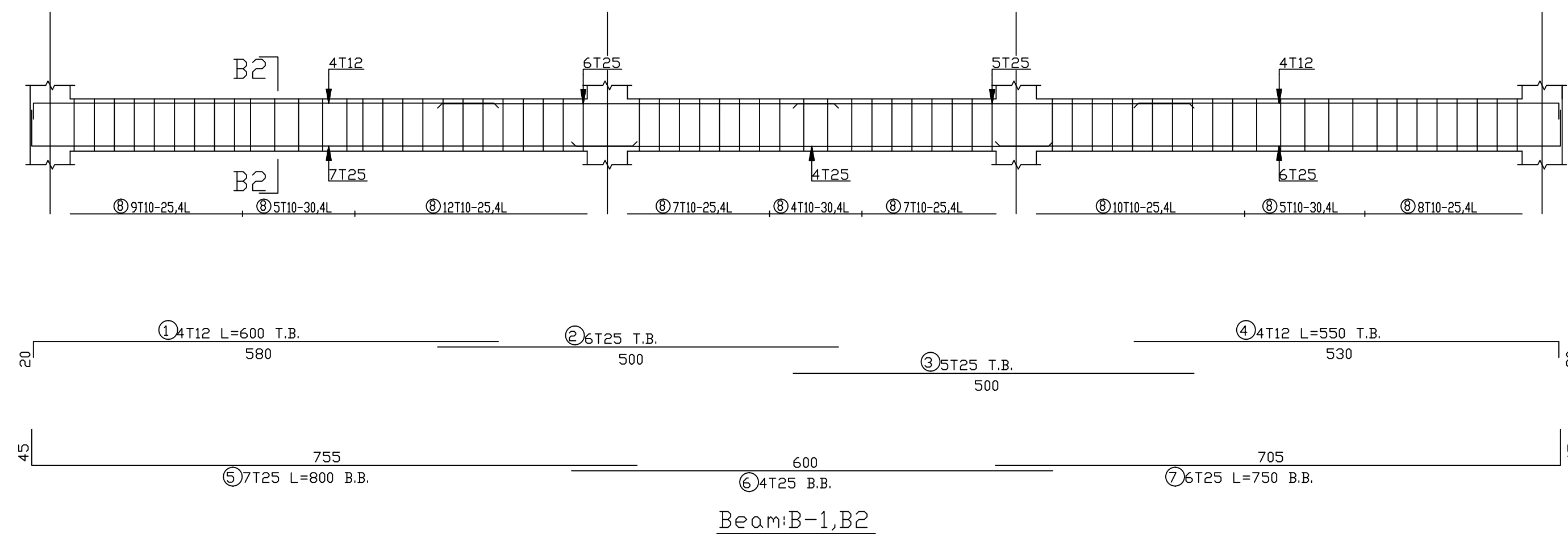
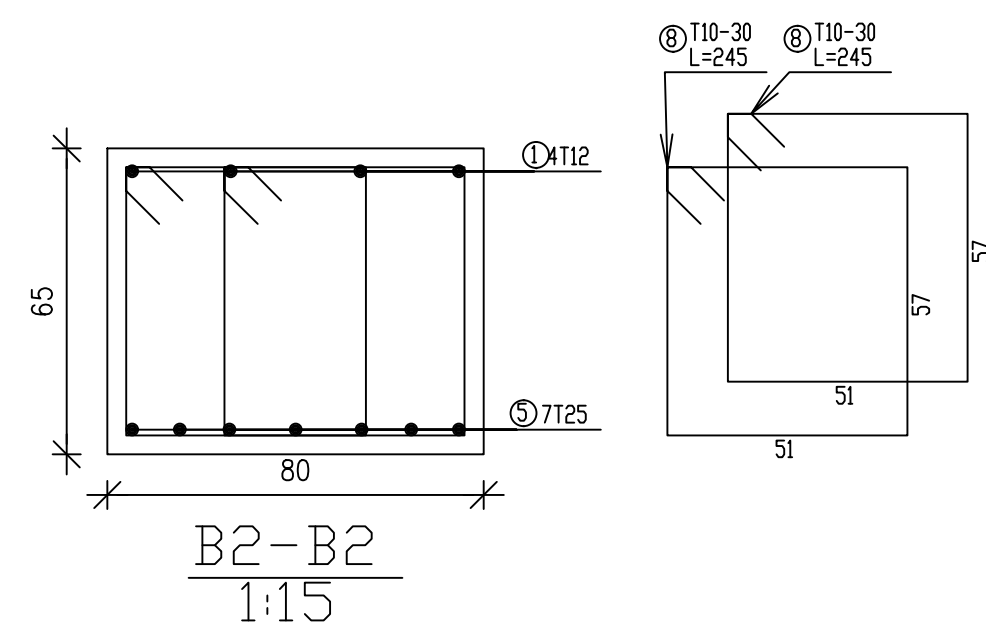
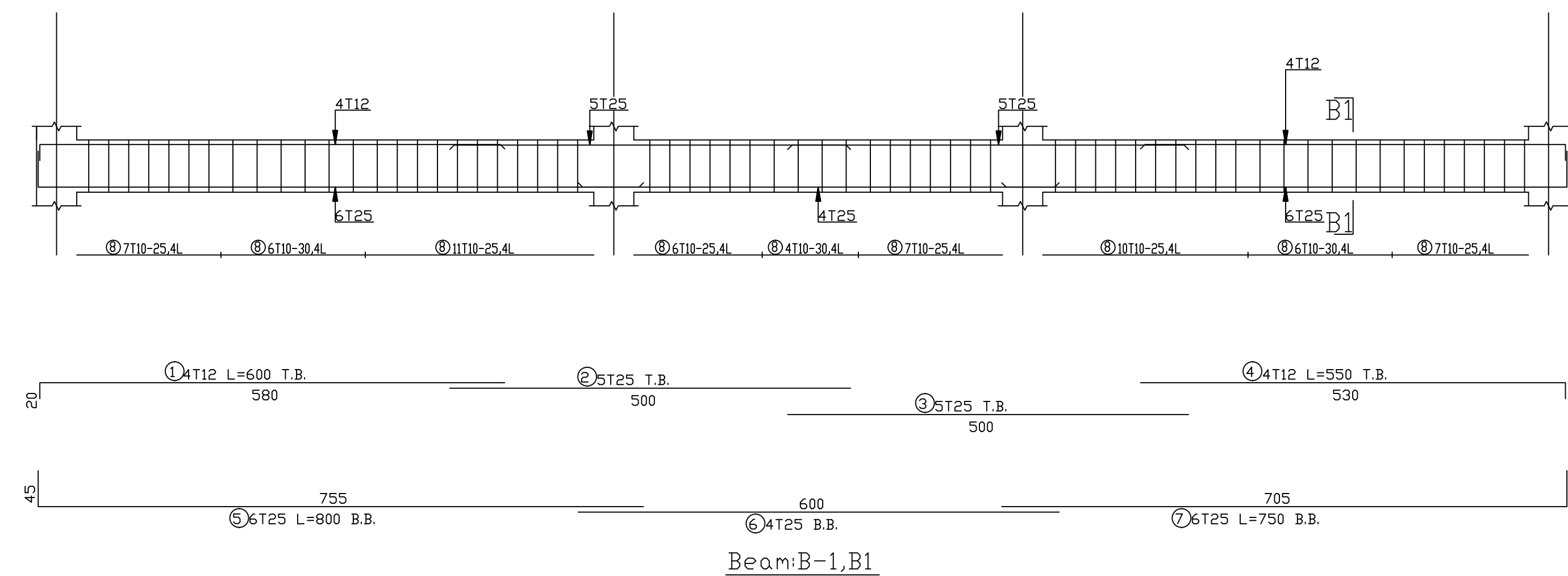
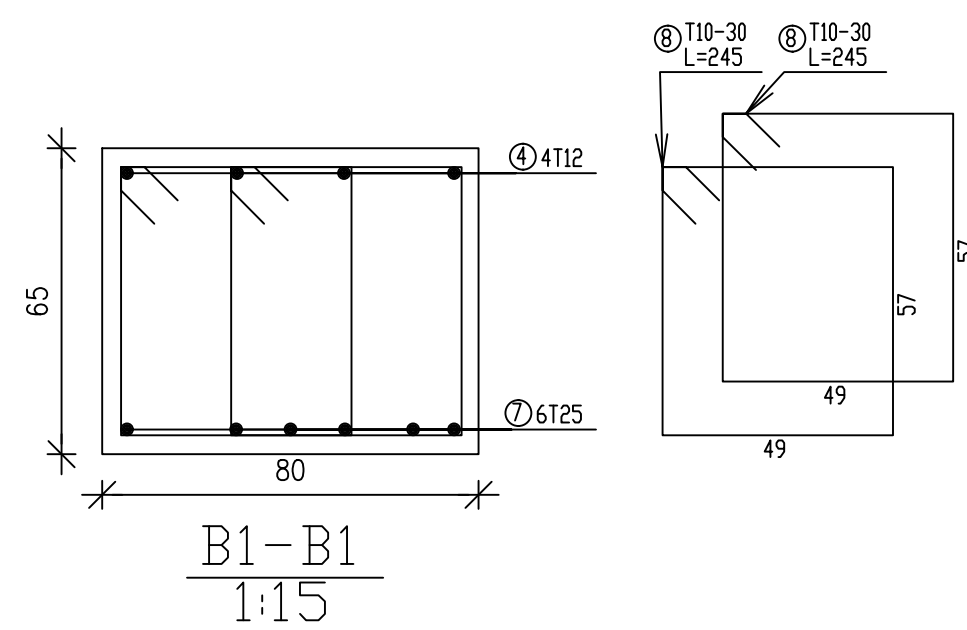
Supervisor

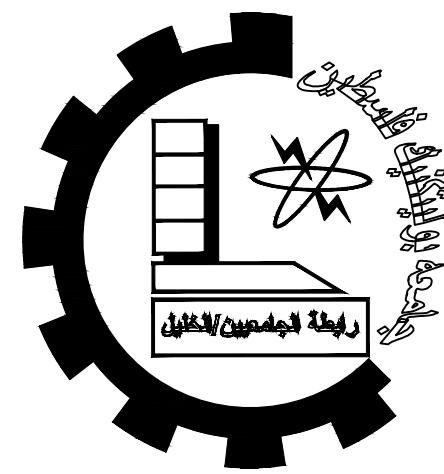
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S29	21/05/2023





Palestine Polytechnic University

College of Engineering

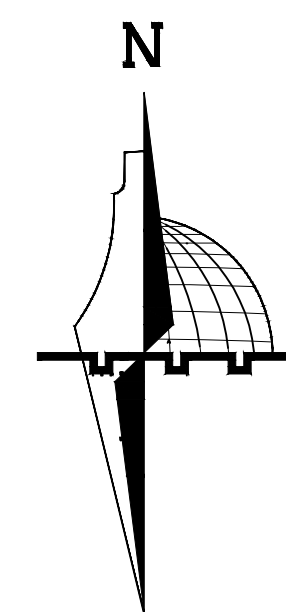
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

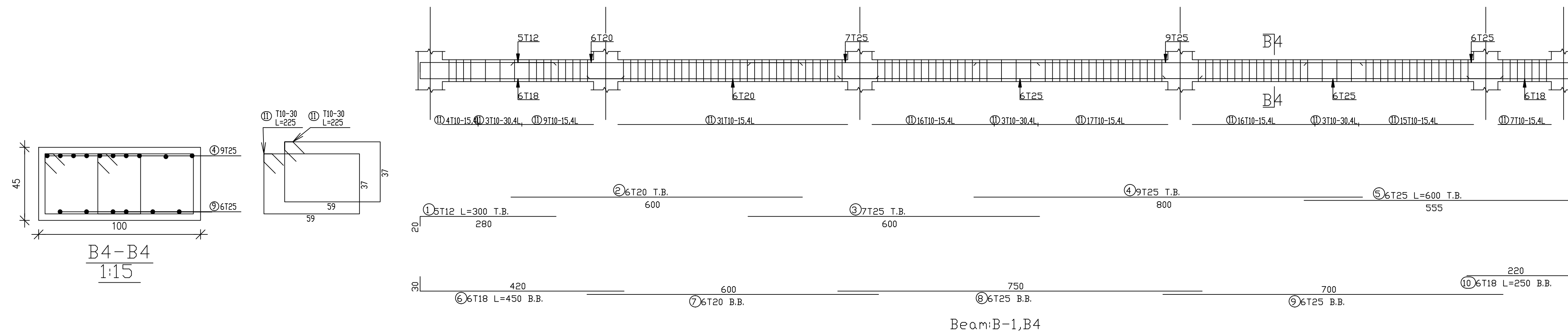
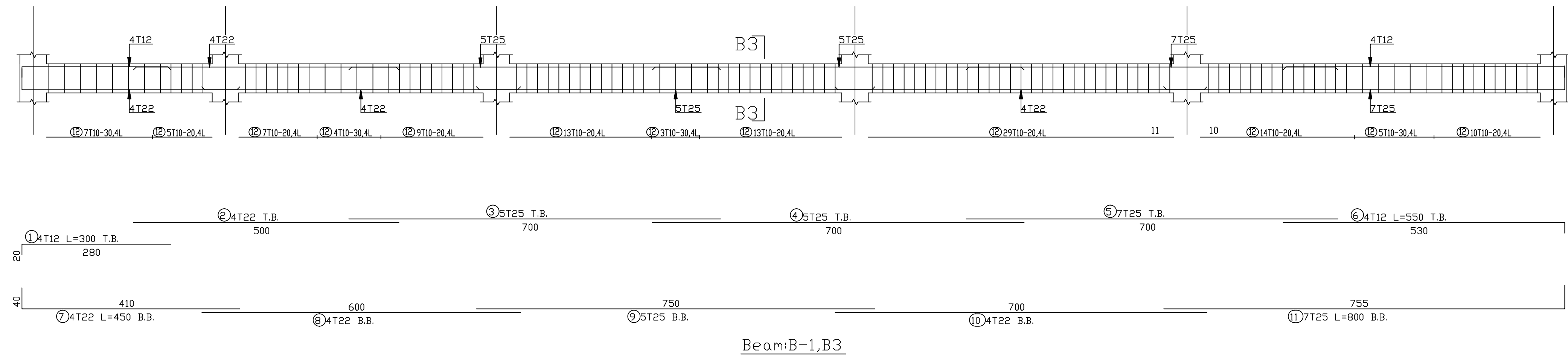
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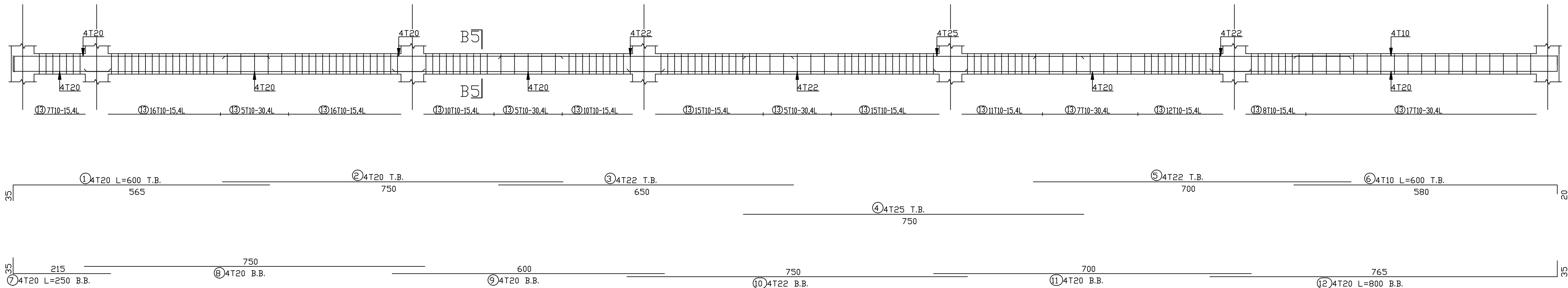
Mohammad AbuZahra

Sadam AbuQbete

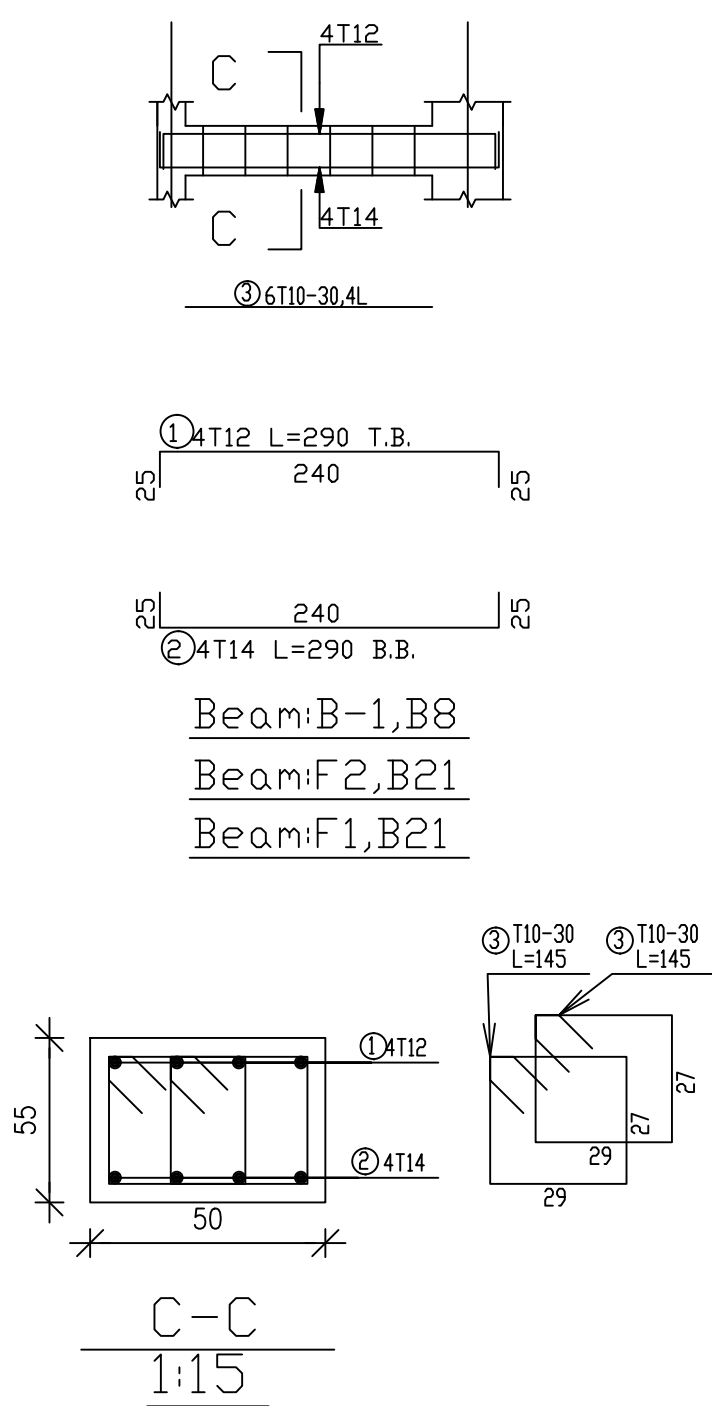
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S30	21/05/2023

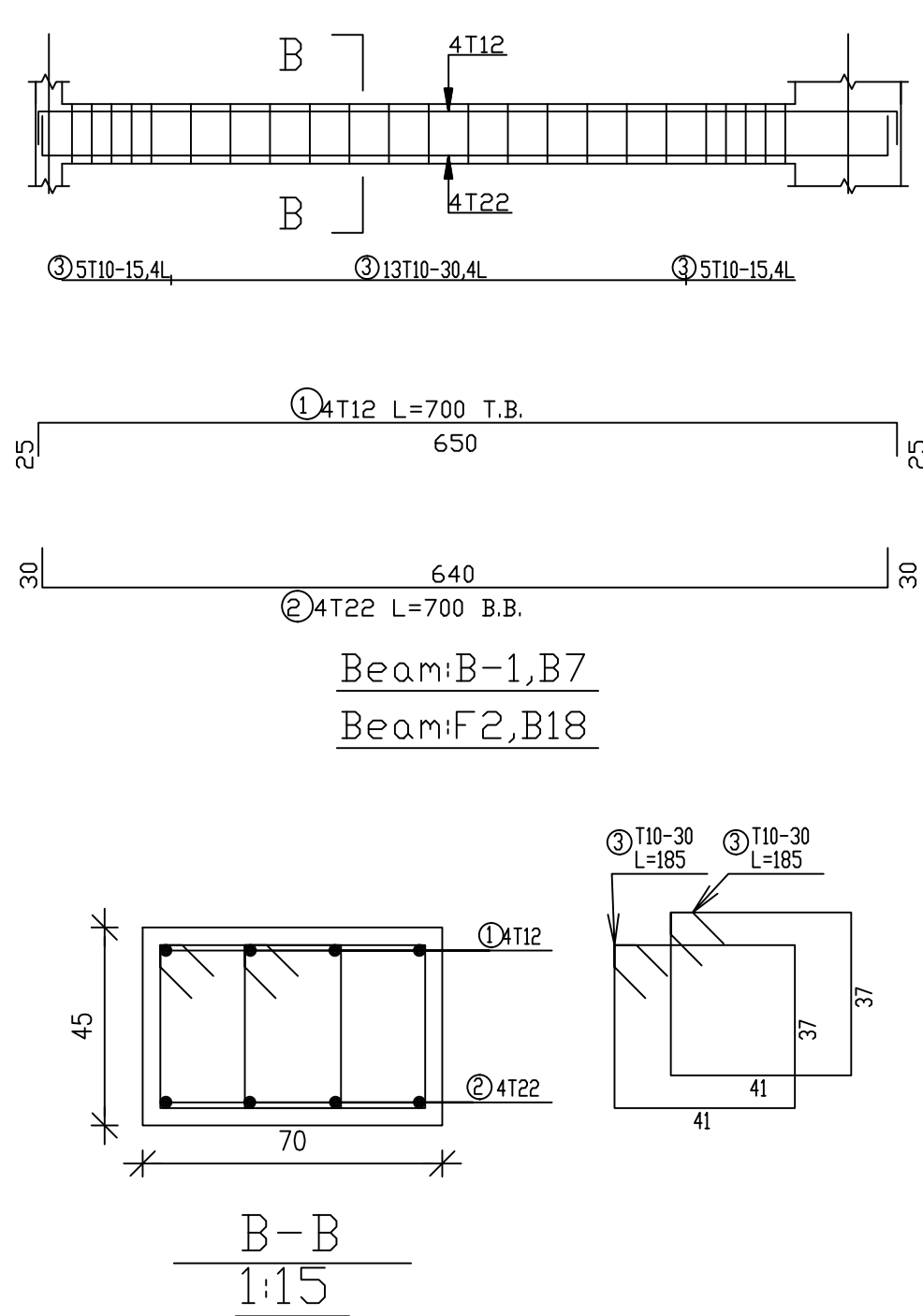




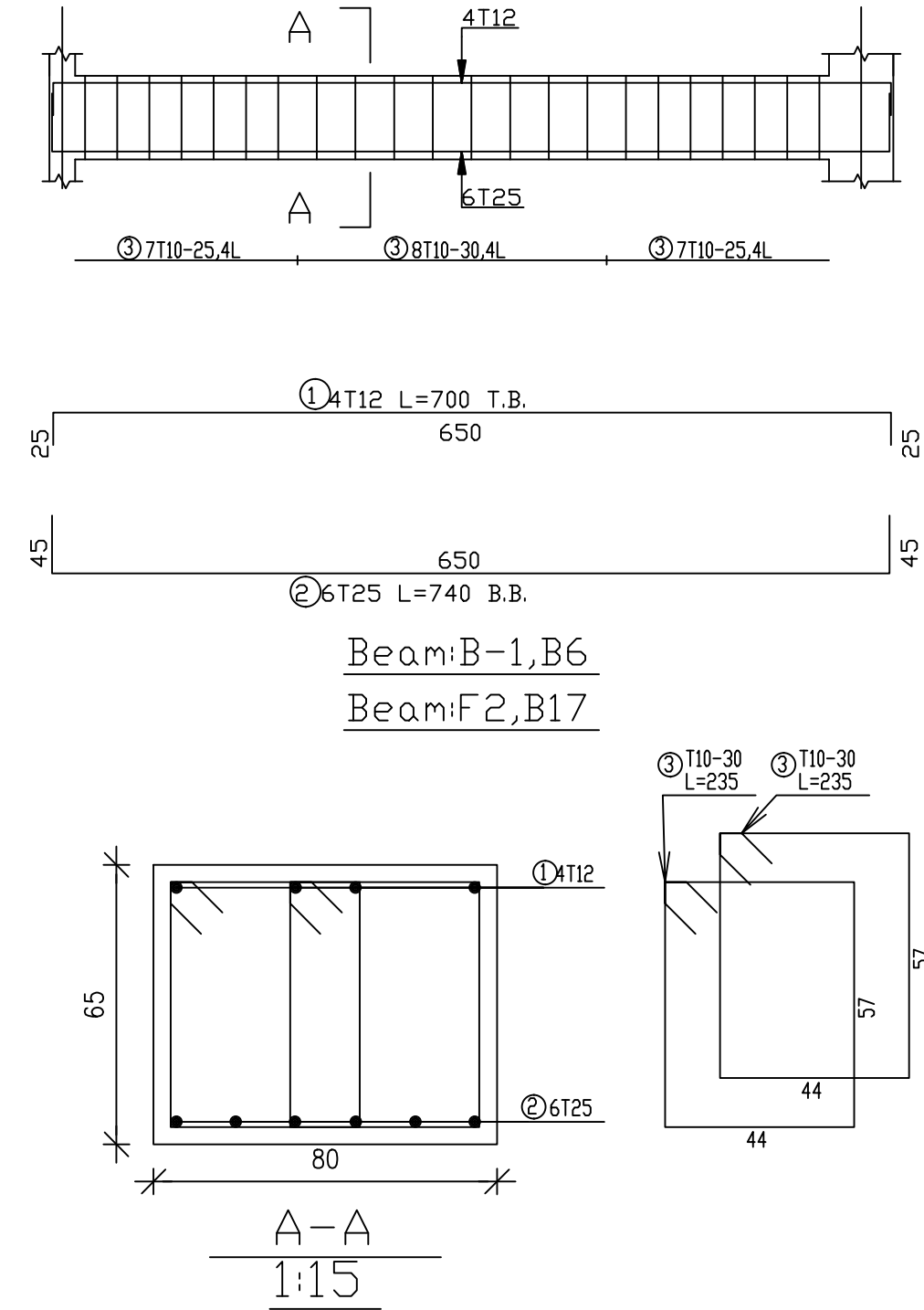
Beam: B-1, B5



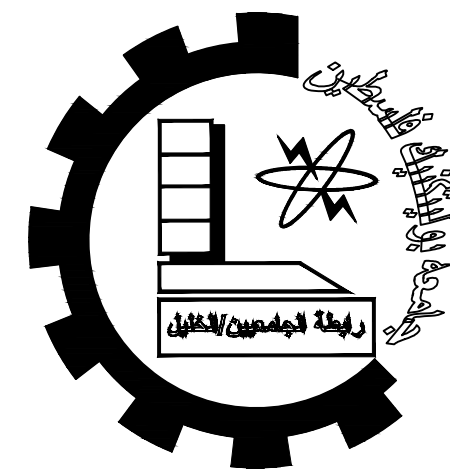
Beam: B-1, B8
Beam: F2, B21
Beam: F1, B21



Beam: B-1, B7
Beam: F2, B18
Beam: F2, B18



Beam: B-1, B6
Beam: F2, B17
Beam: F2, B17



Palestine Polytechnic University

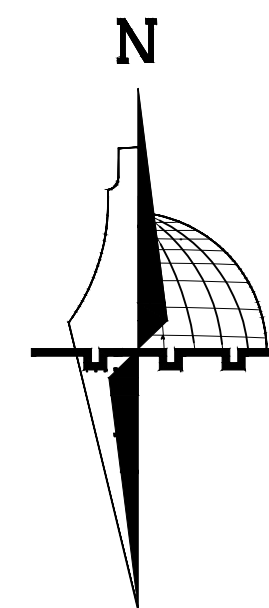
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

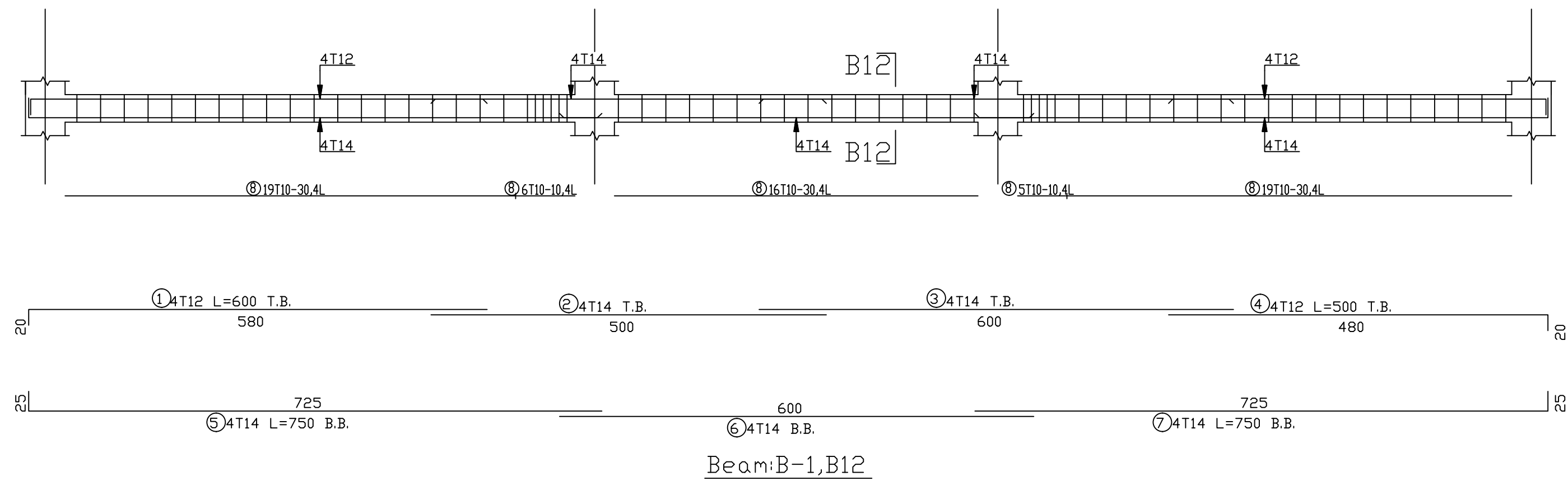
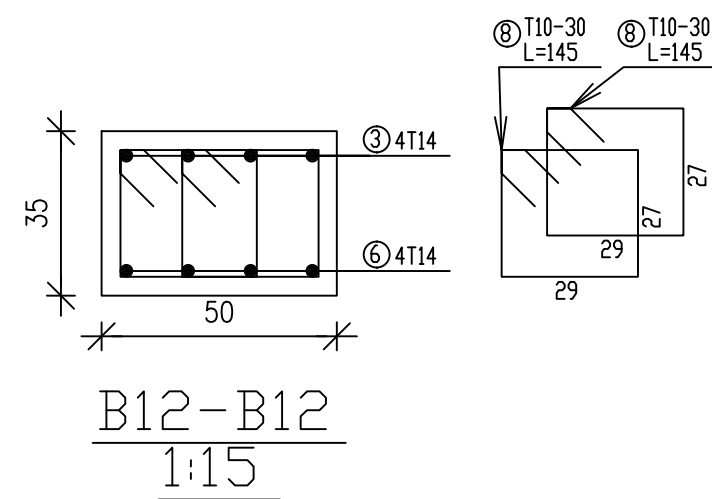
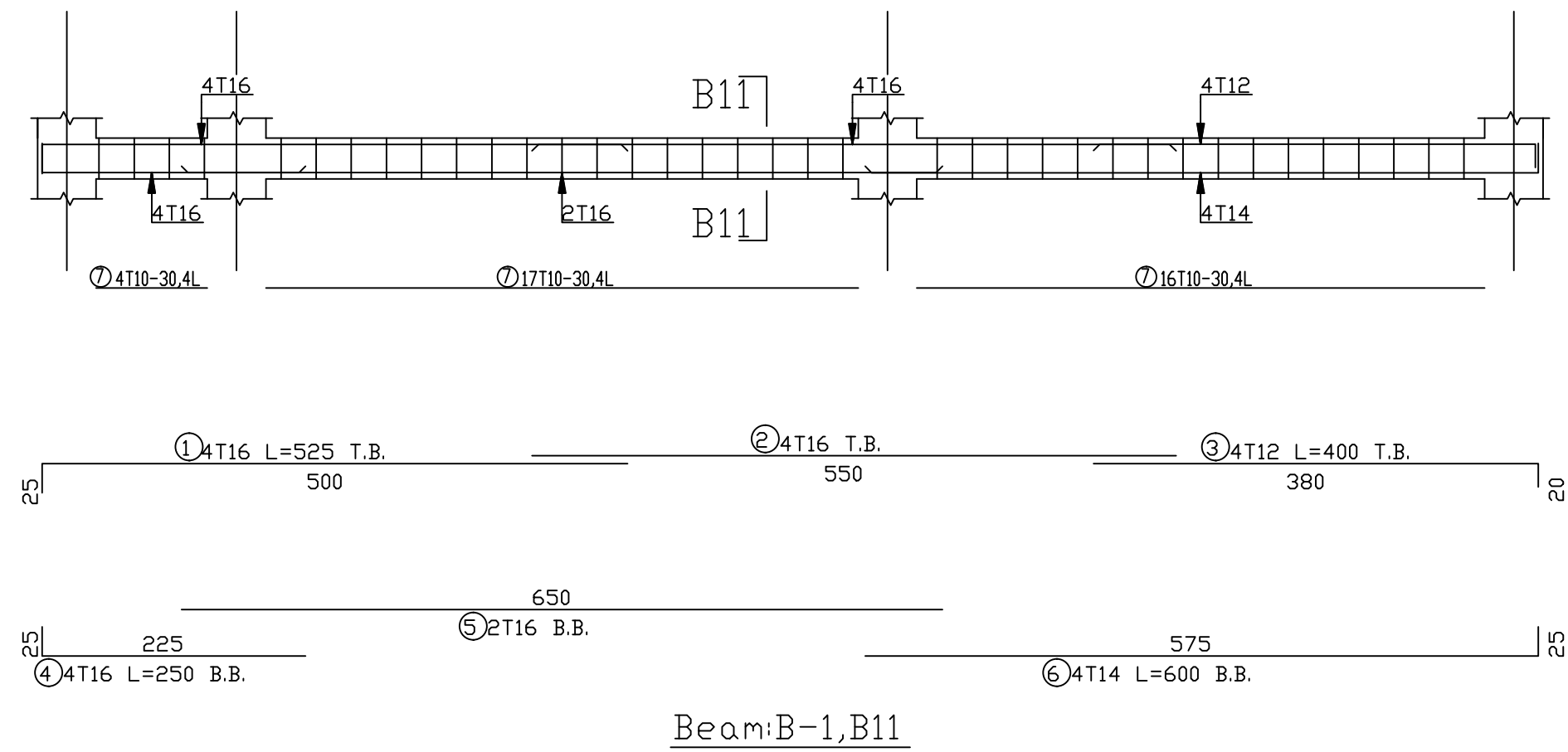
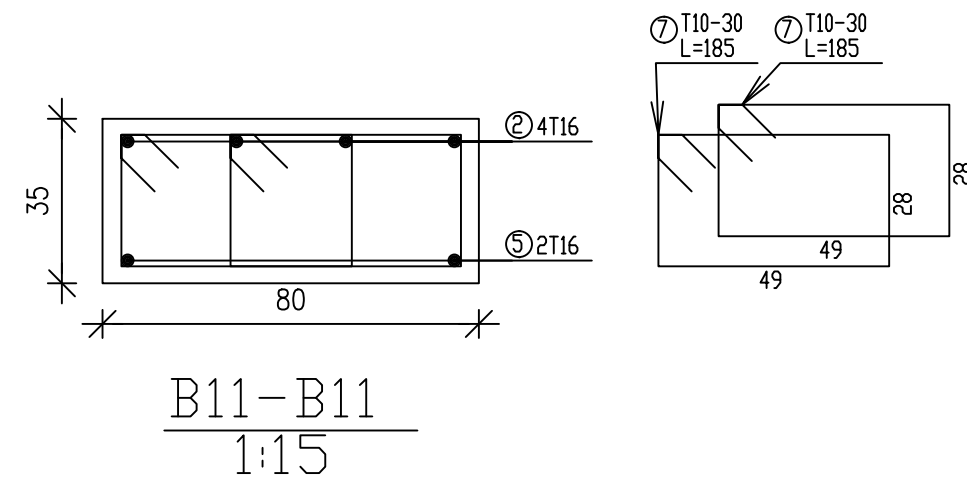
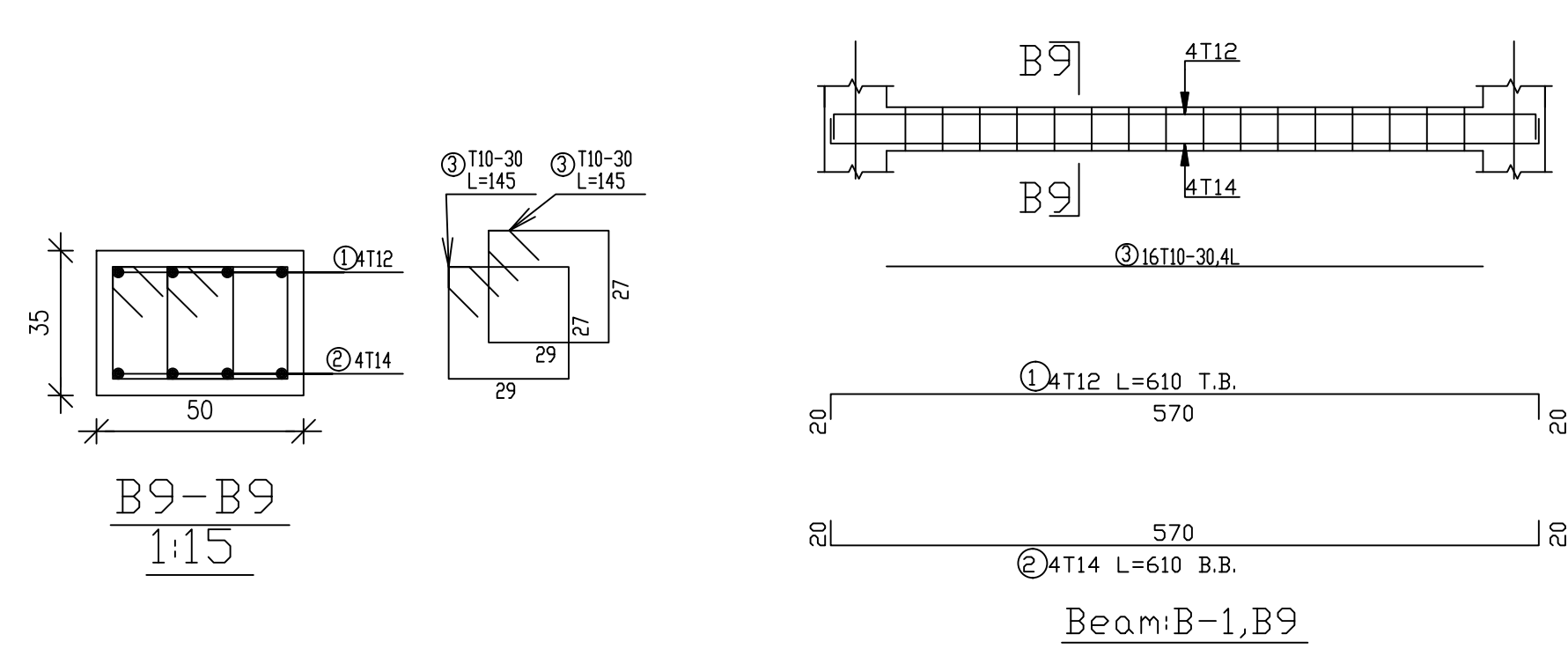
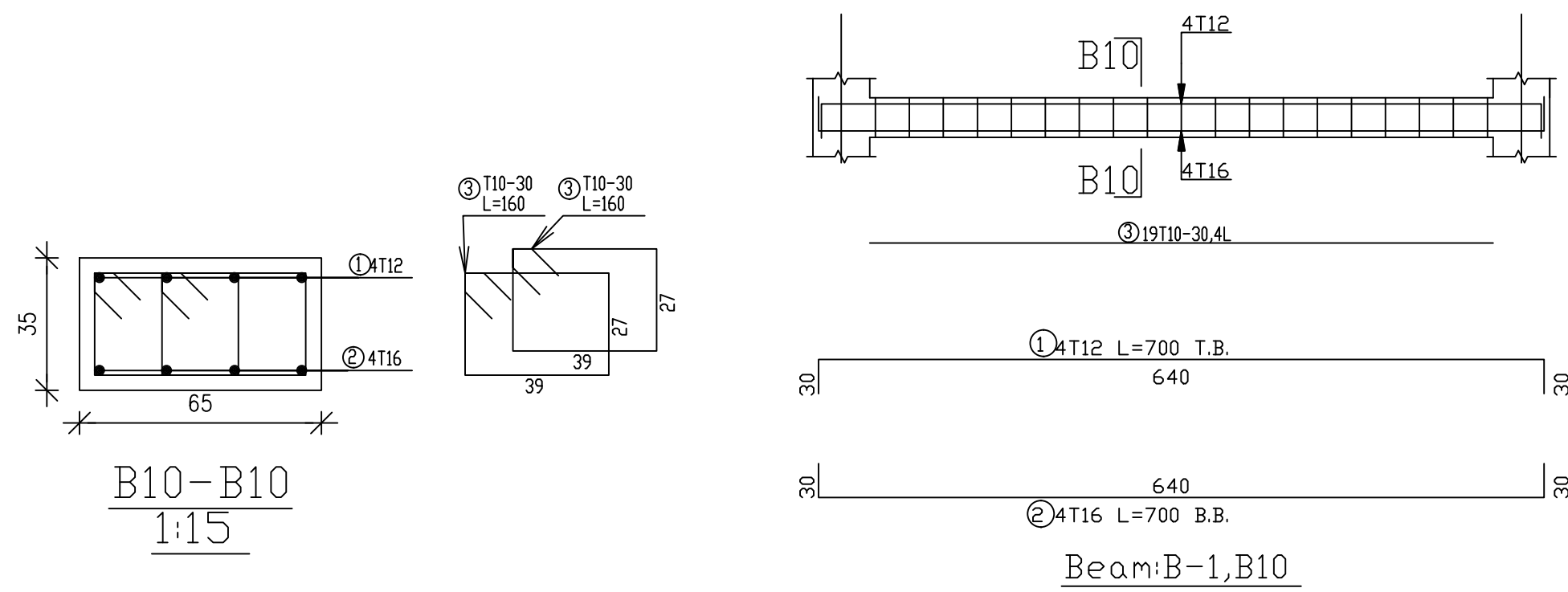
Supervisor

Dr.Hamdi idais.

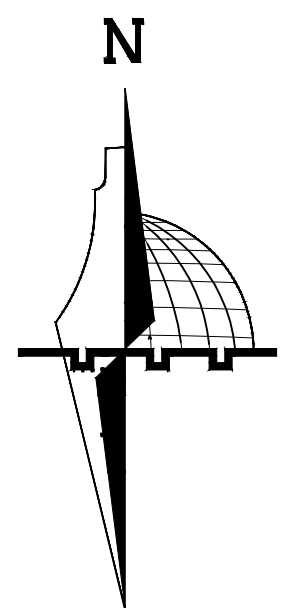
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S31	21/05/2023



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

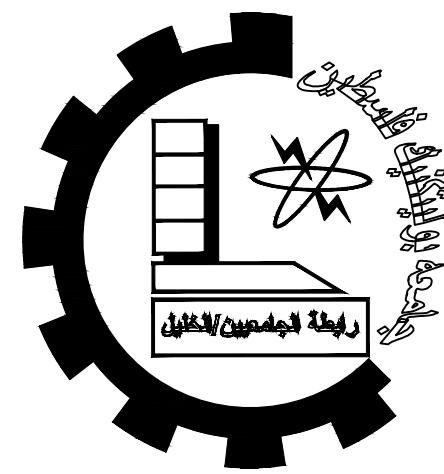
Supervisor

Dr.Hamdi idais.

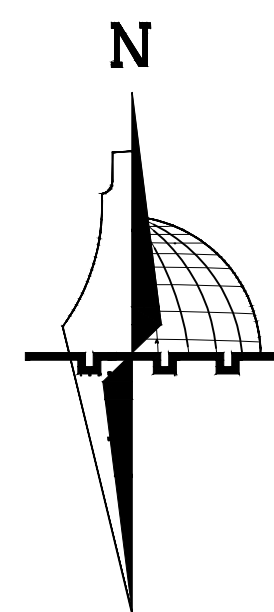
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S32	21/05/2023



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

BEAMS REINFORCEMENT

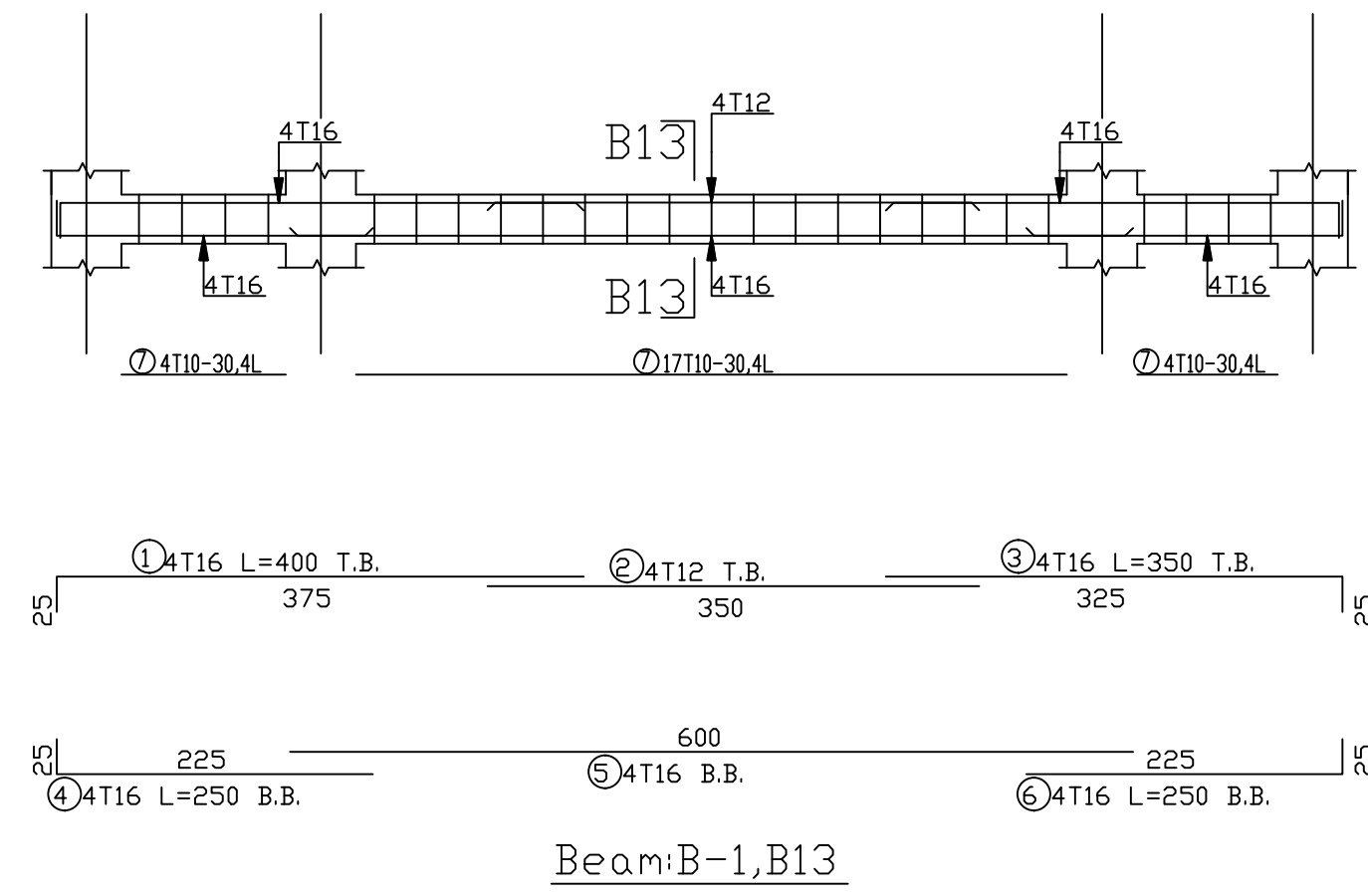
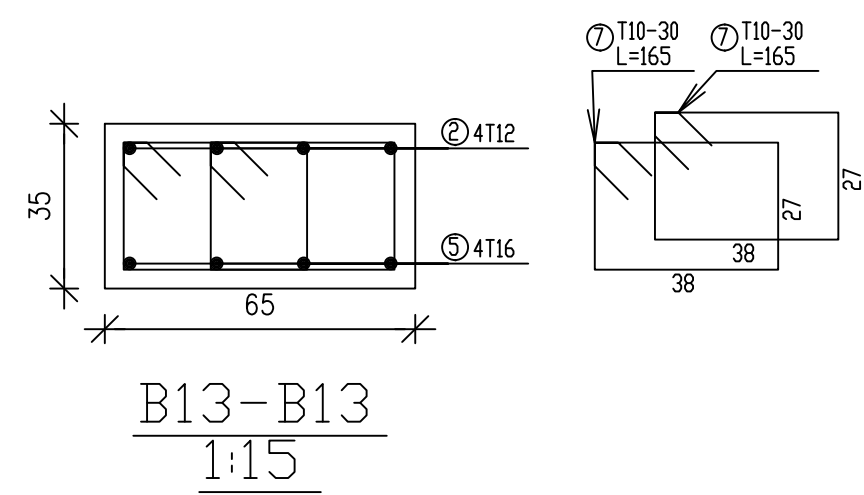
Supervisor

Dr.Hamdi idais.

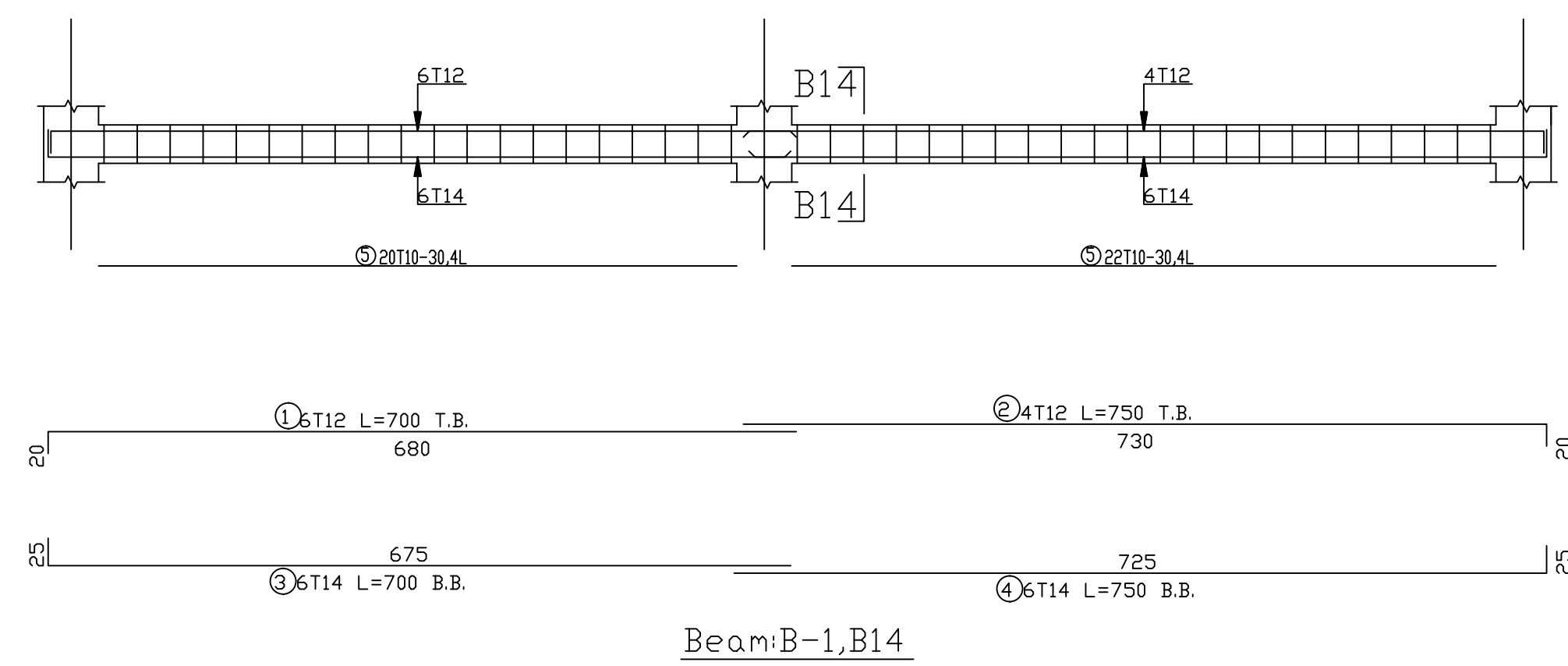
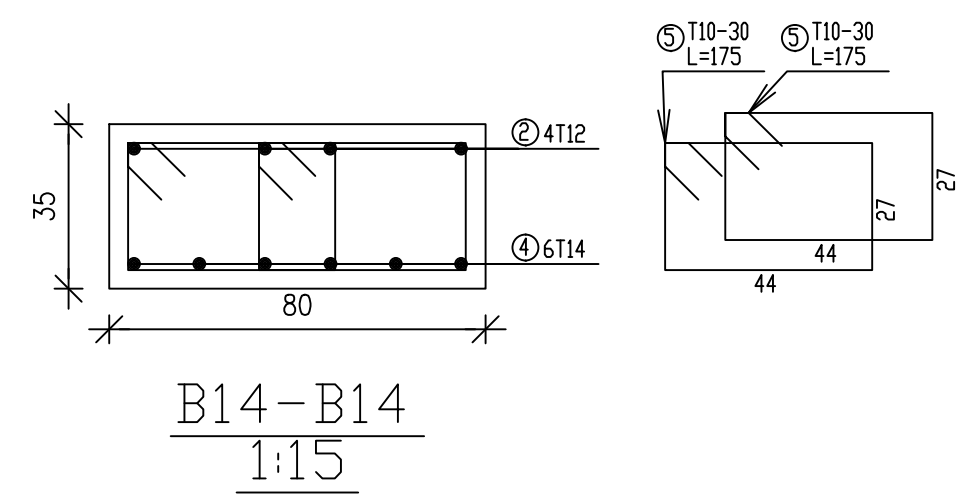
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

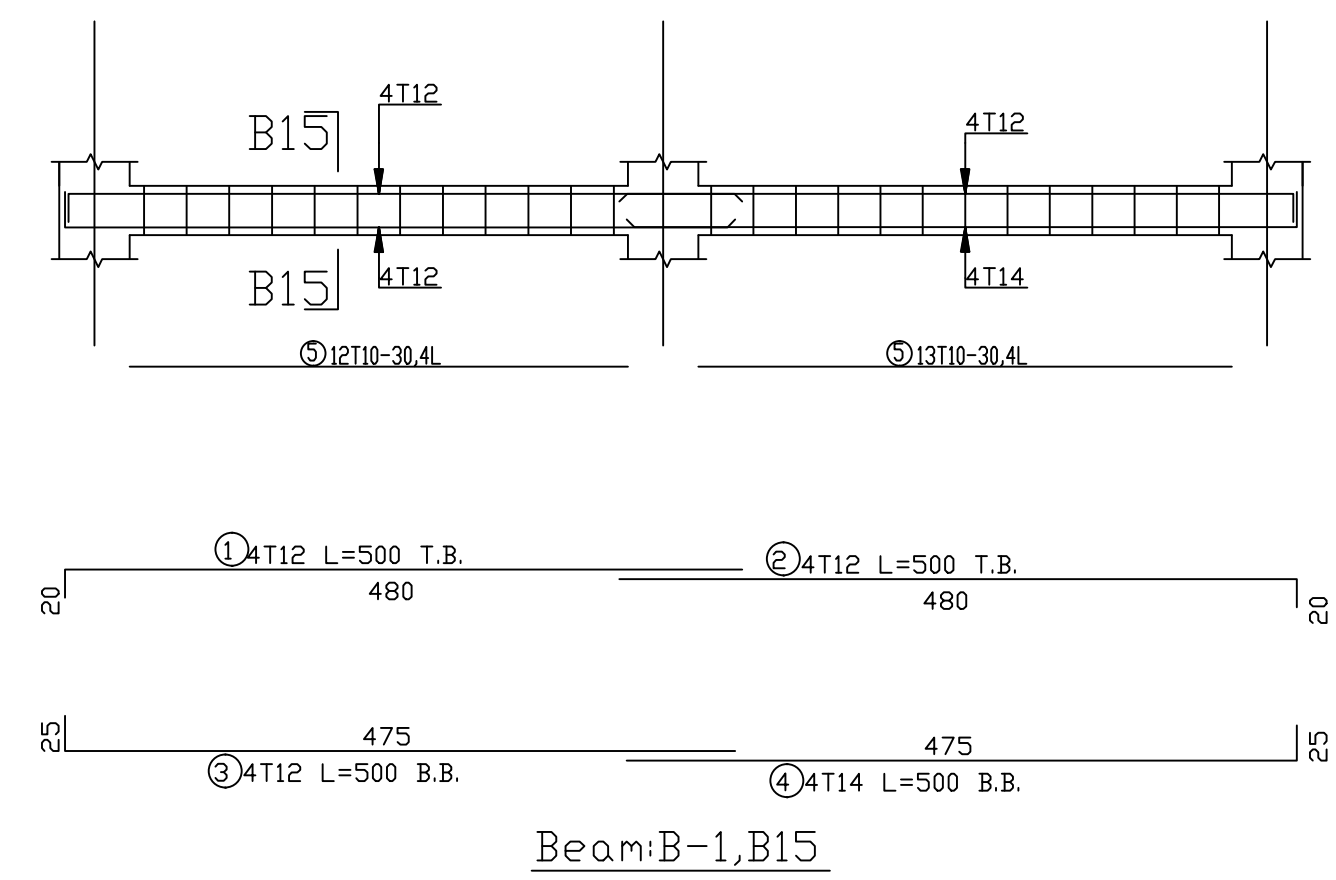
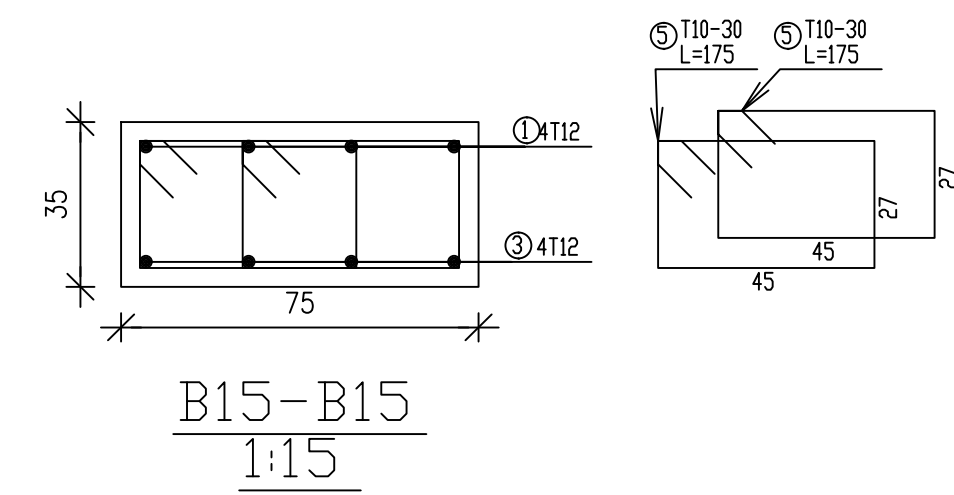
SCALE	No. of DRAW	DATE
1/100	S33	21/05/2023



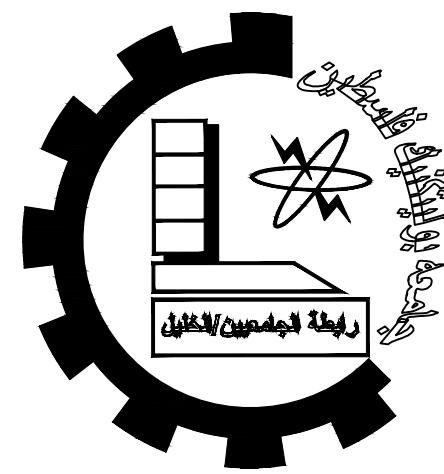
Beam:B-1,B13



Beam:B-1,B14



Beam:B-1,B15



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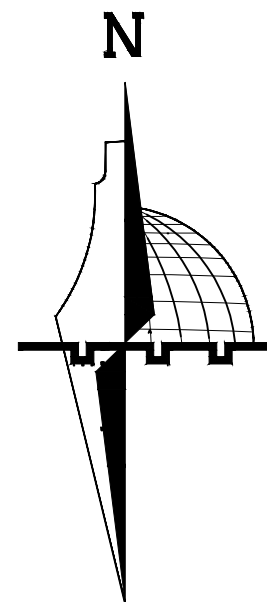
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materials		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE

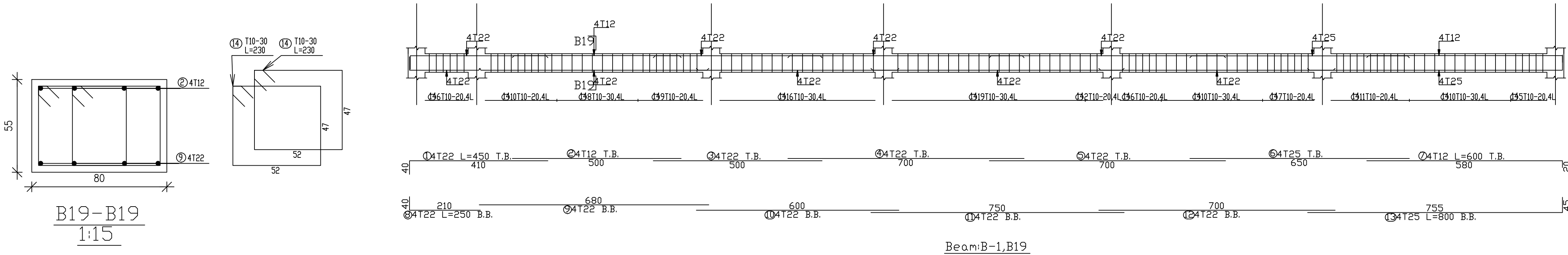
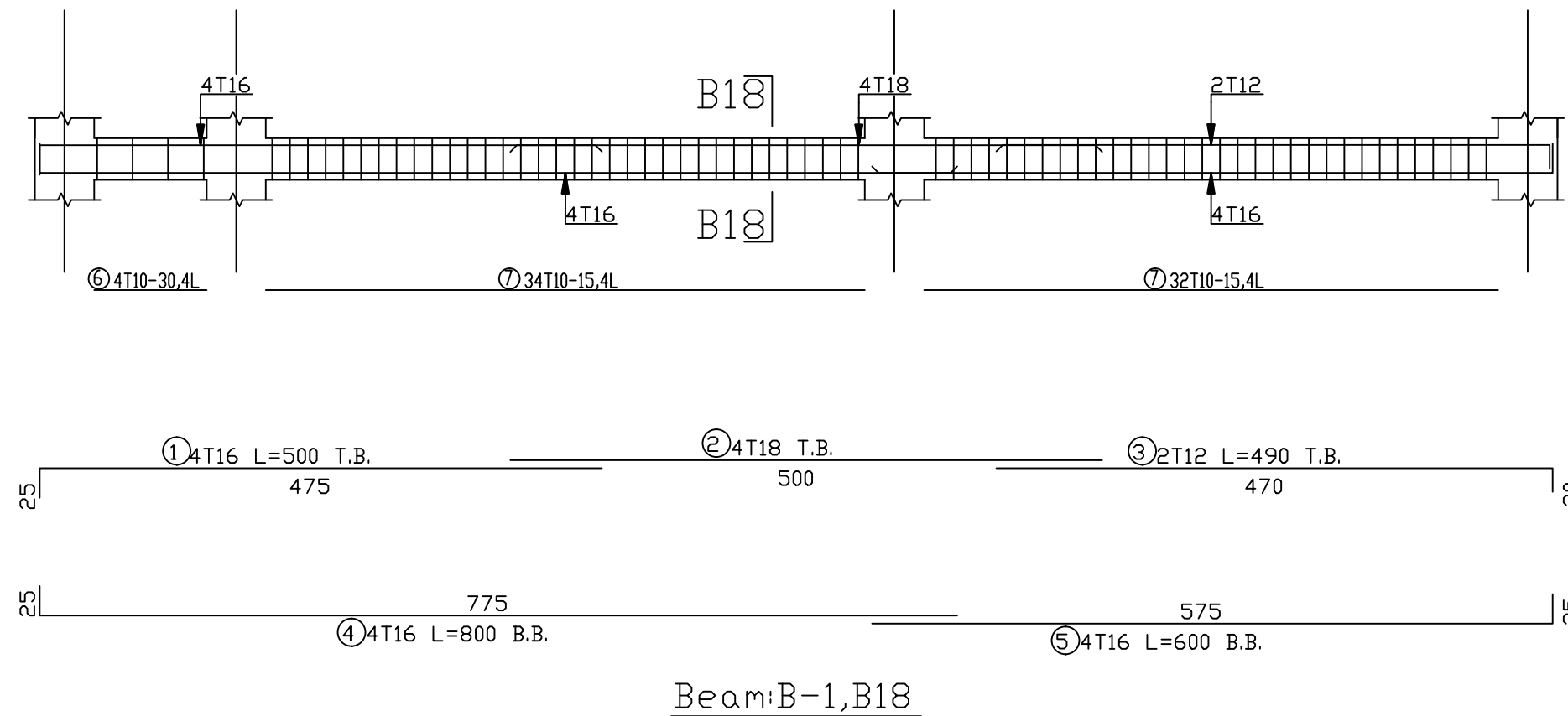
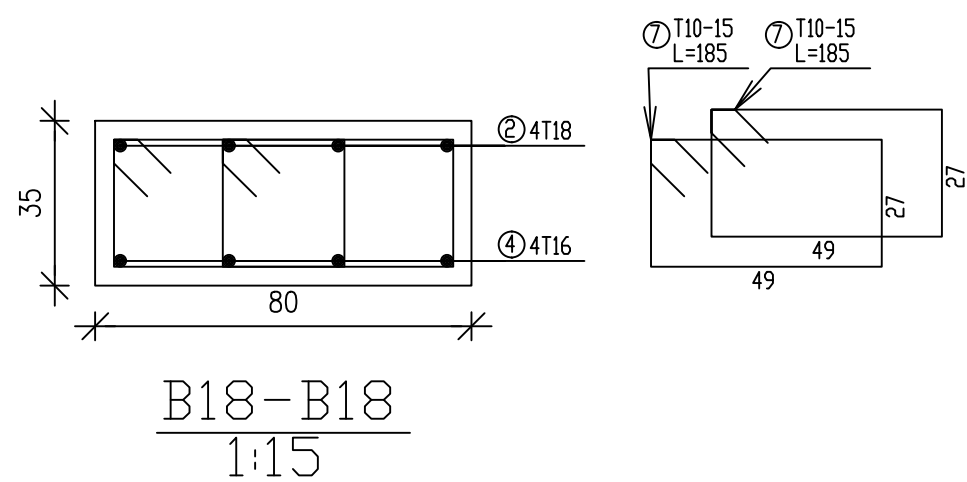
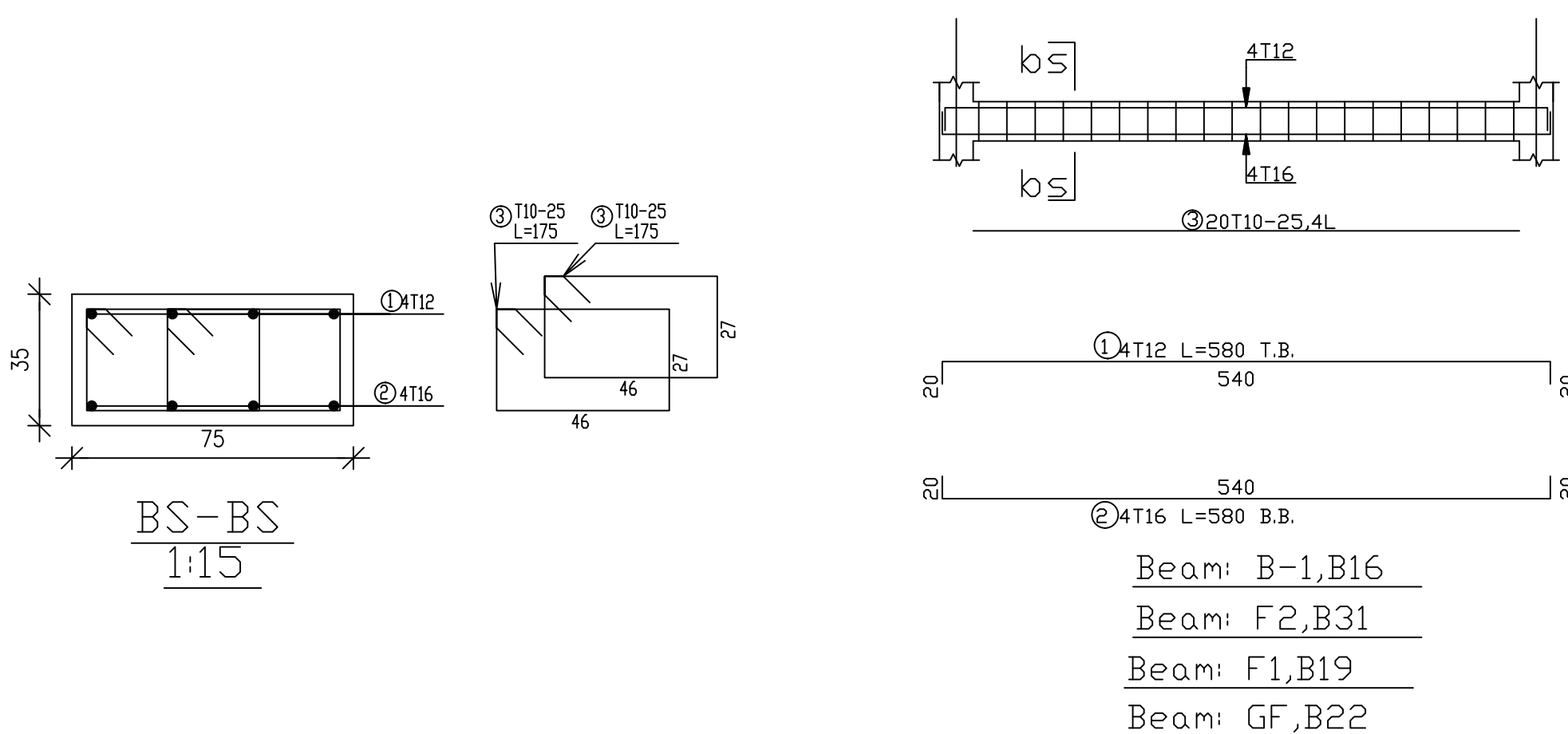
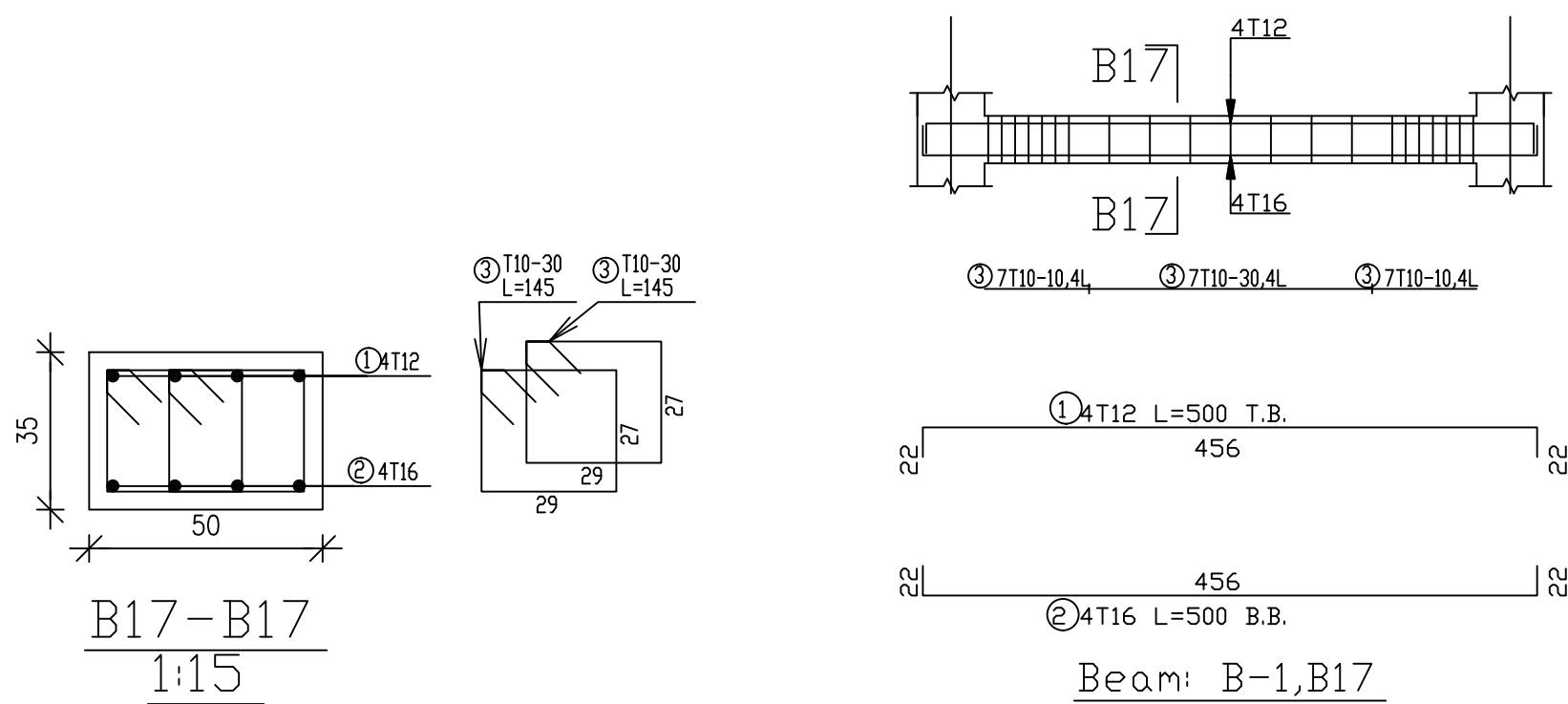
No. of
DRAW

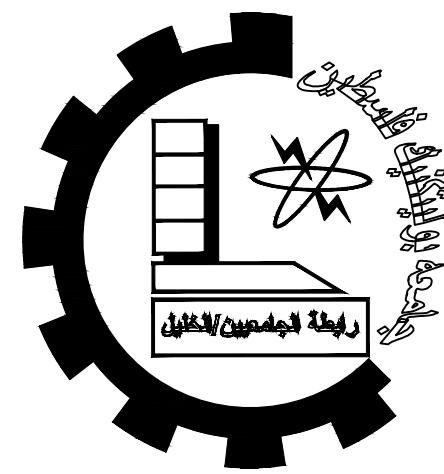
DATE

1/100

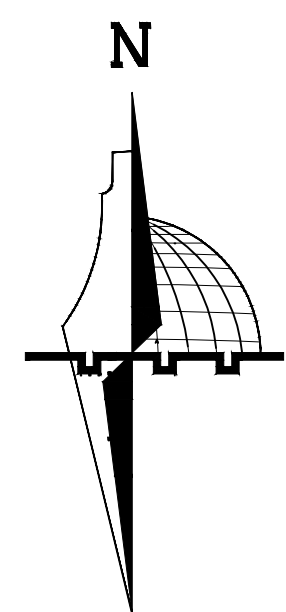
S34

21/05/2023





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



Legend :

- | | | | |
|--|---------------------|--|-----------------|
| | Stone | | Gravel |
| | R.Concrete | | Wood |
| | Concrete | | HEXAGONAL TILES |
| | Hollow Block | | BAKLAVA TILES |
| | isolating materials | | GRASS |

DRAWING TITLE :

BEAMS REINFORCEMENT

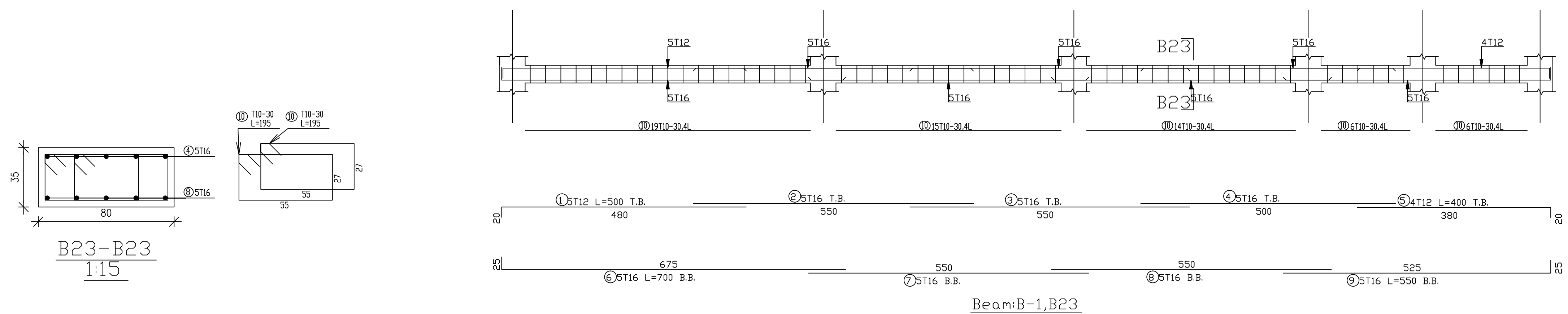
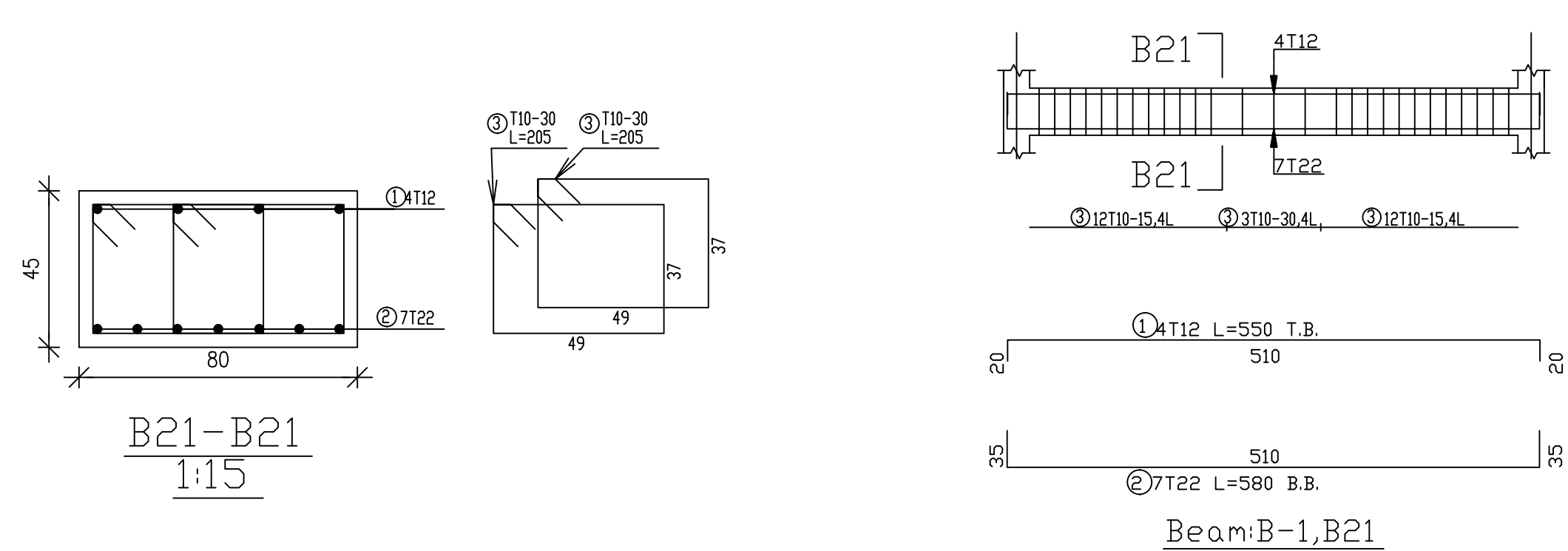
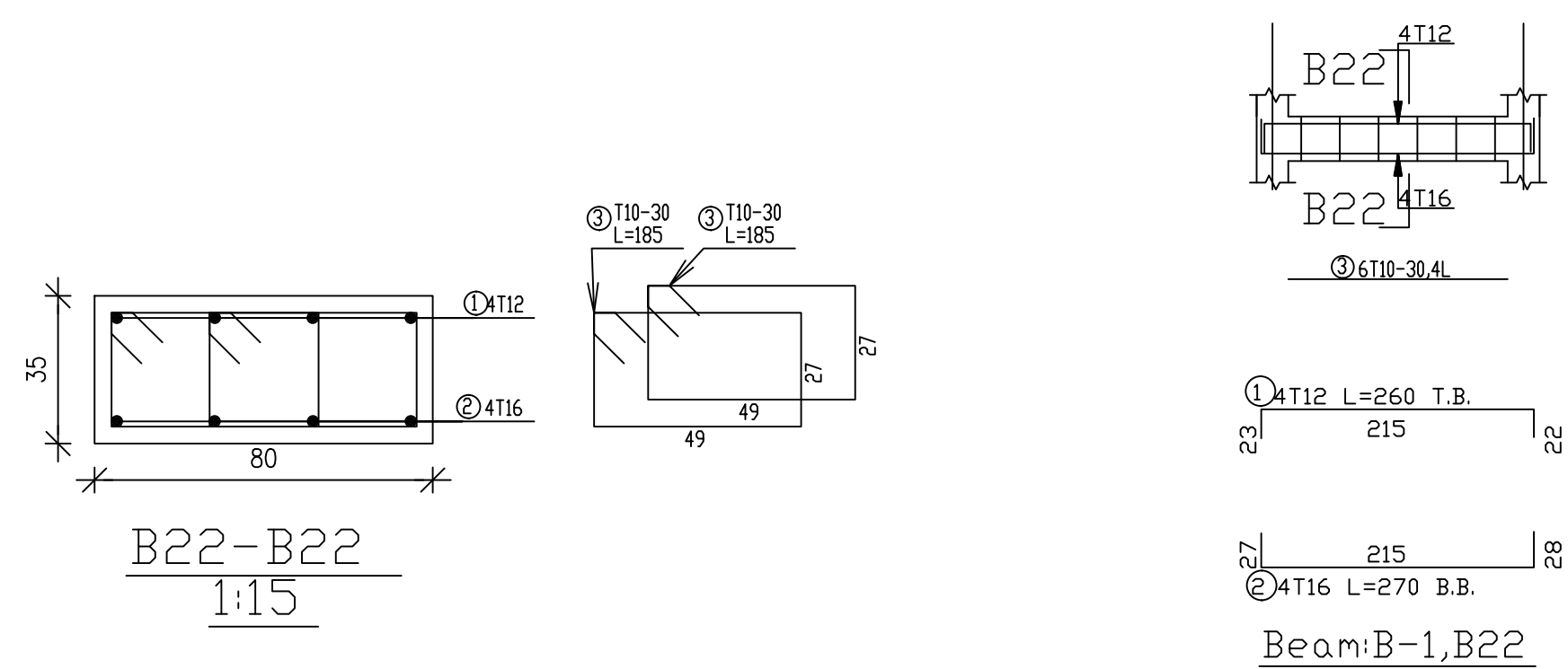
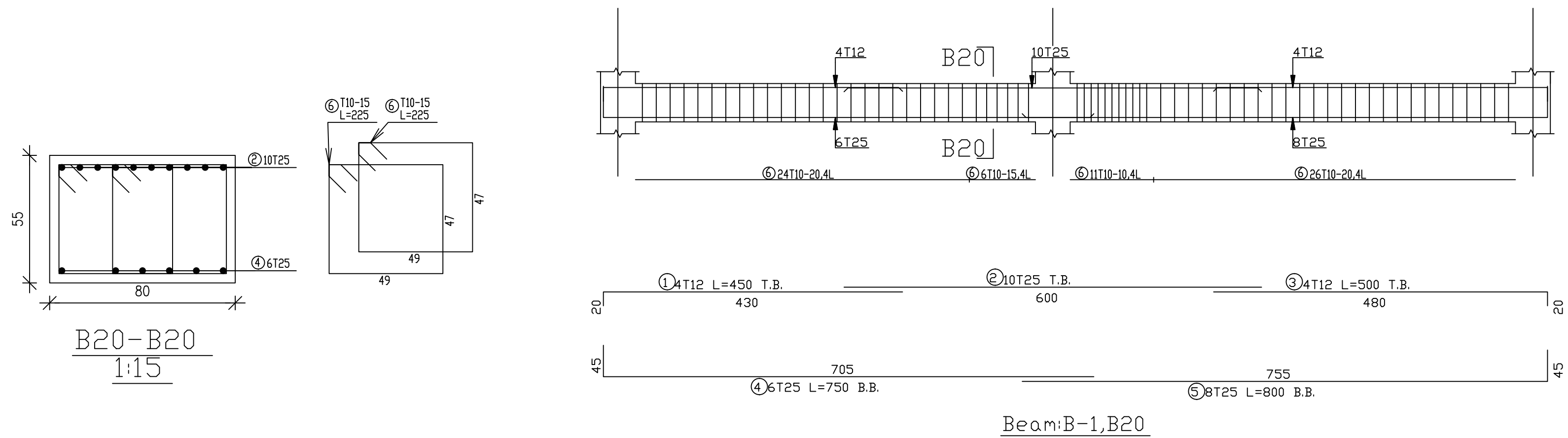
Supervisor

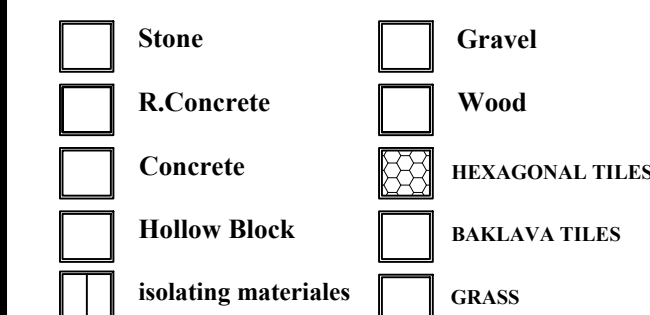
Dr.Hamdi idais.

Done by :

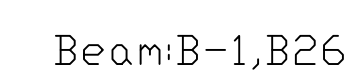
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

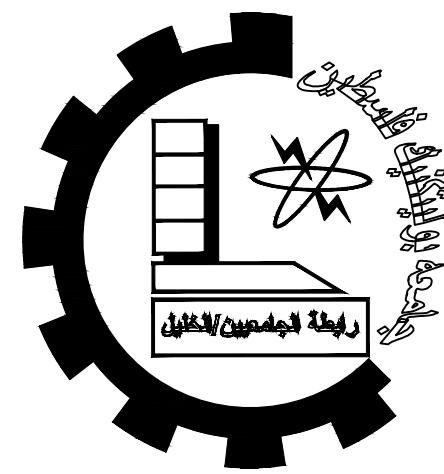
SCALE	No. of DRAW	DATE
1/100	S35	21/05/2023





SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S36</i>	<i>21/05/2023</i>





Palestine Polytechnic University

College of Engineering

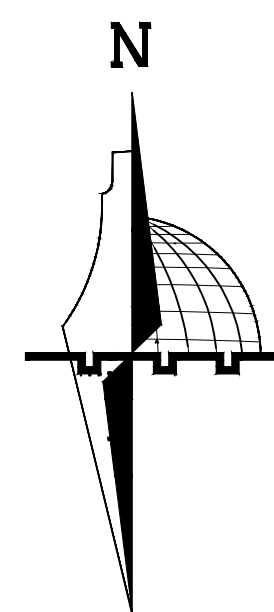
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

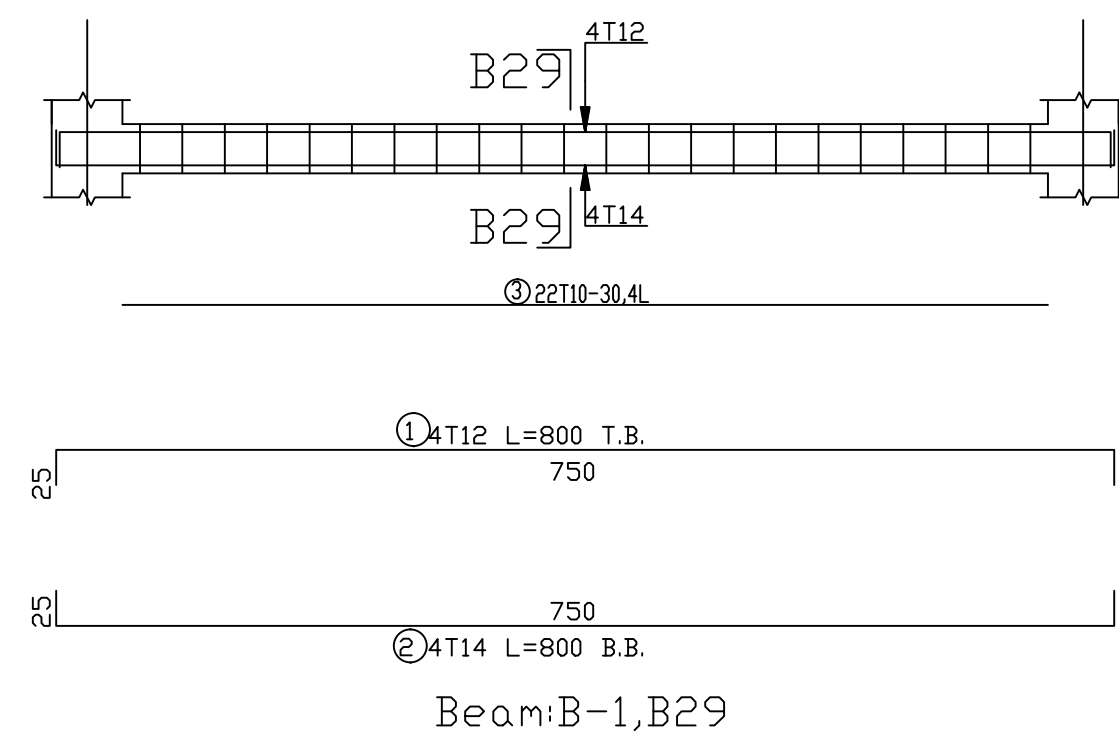
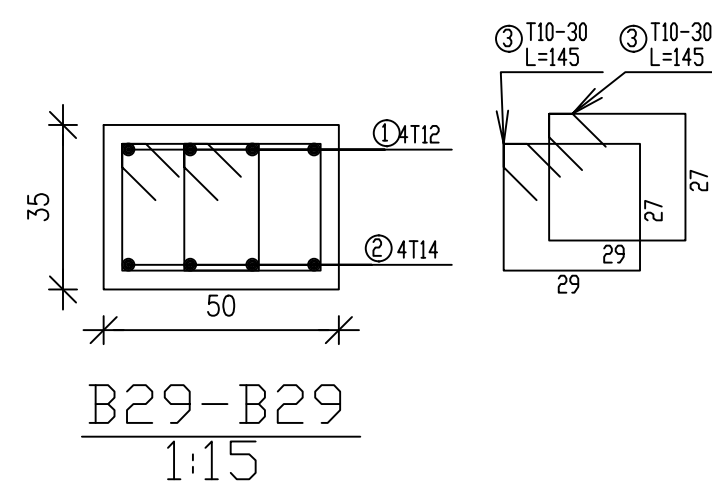
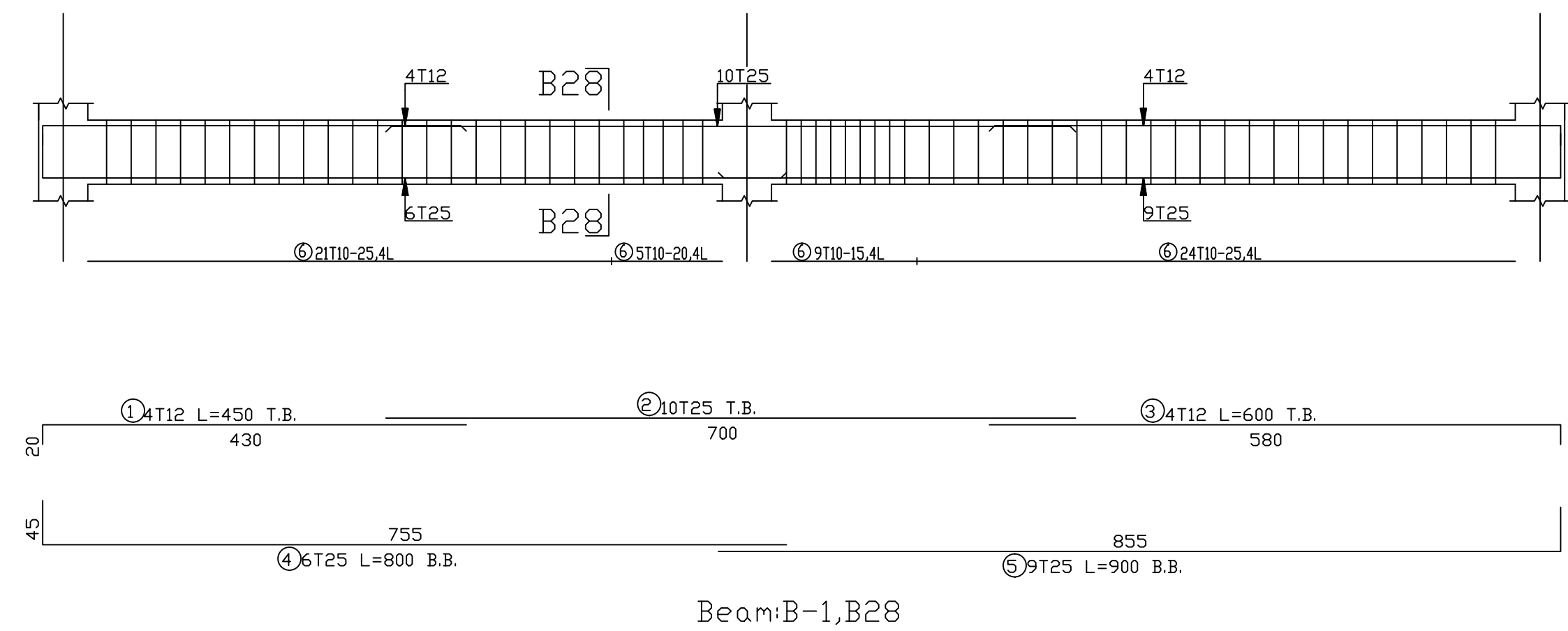
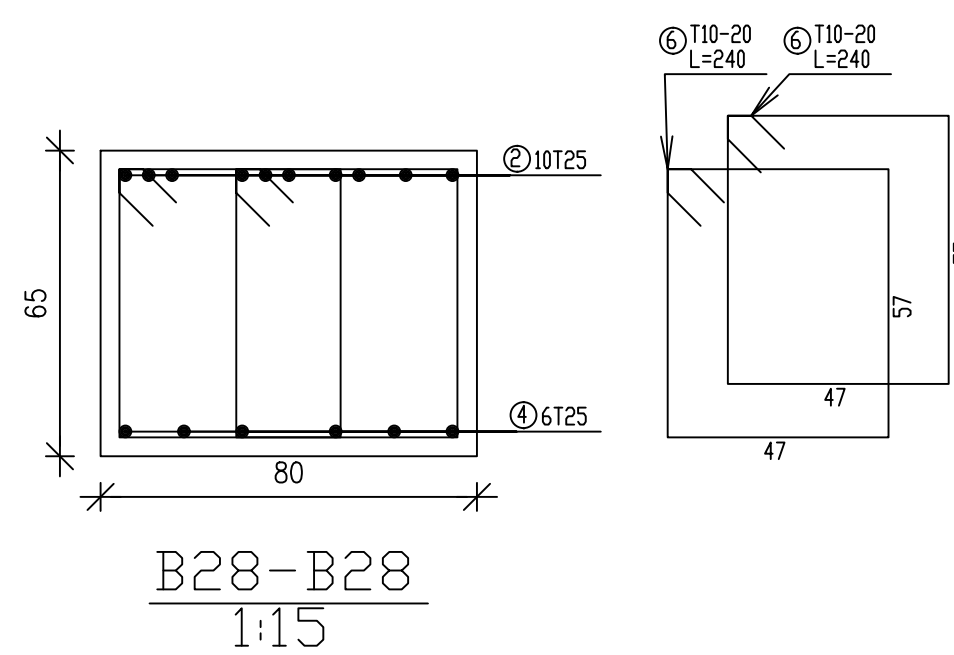
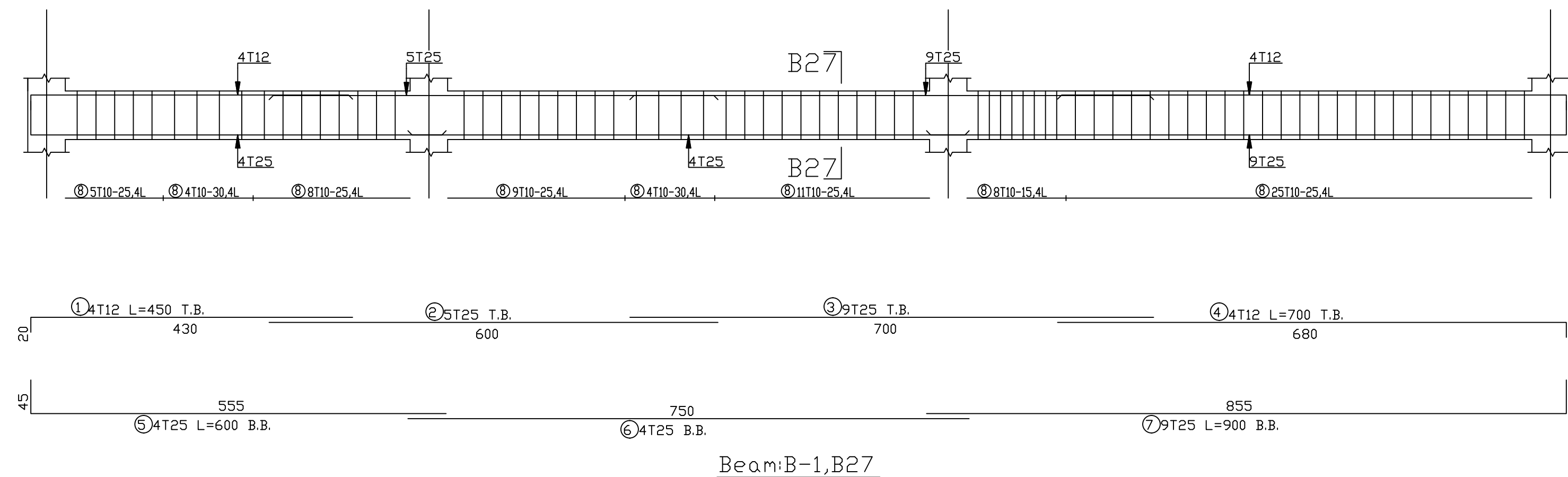
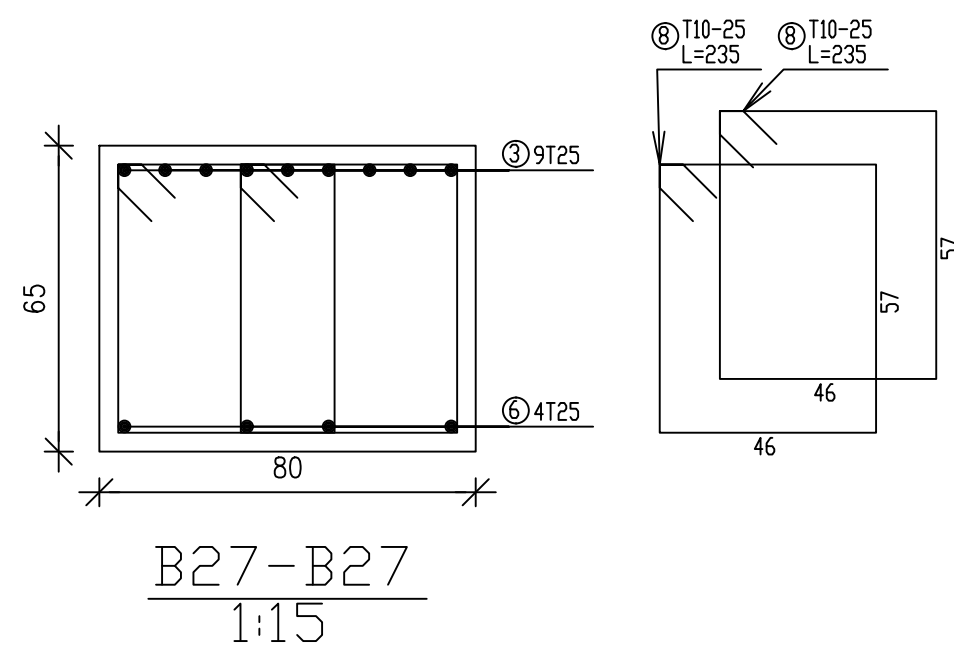
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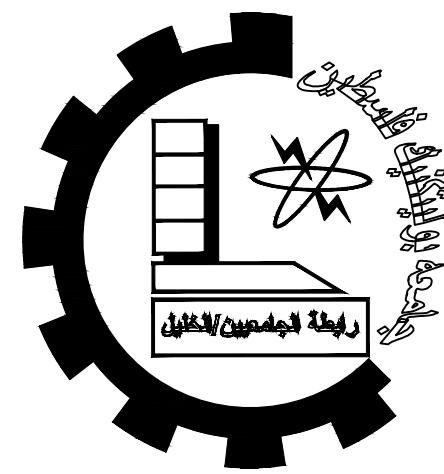
Mohammad AbuZahra

Sadam AbuQbete

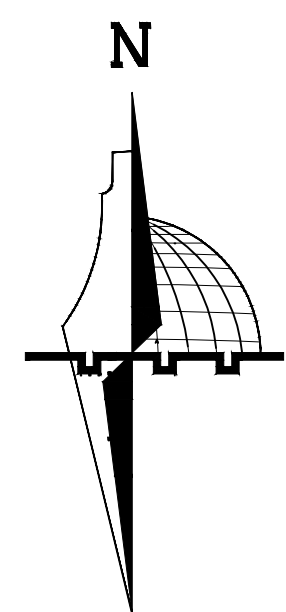
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S37	21/05/2023





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

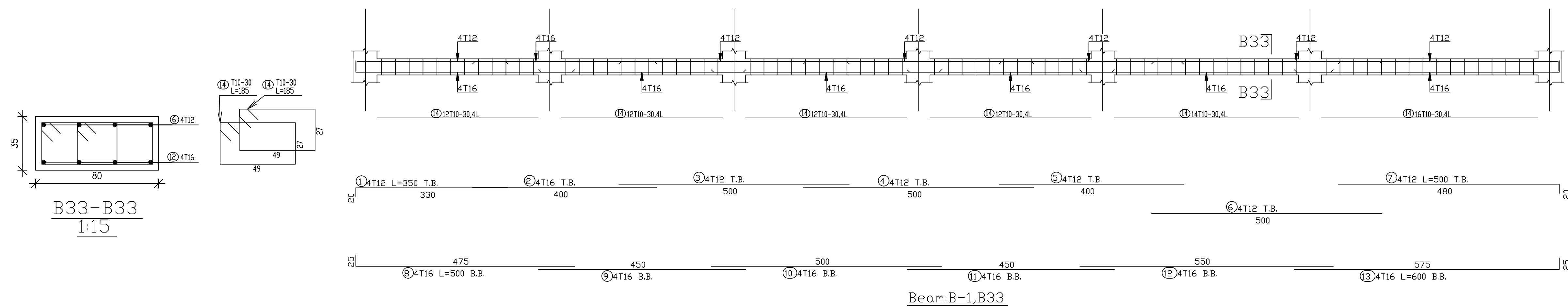
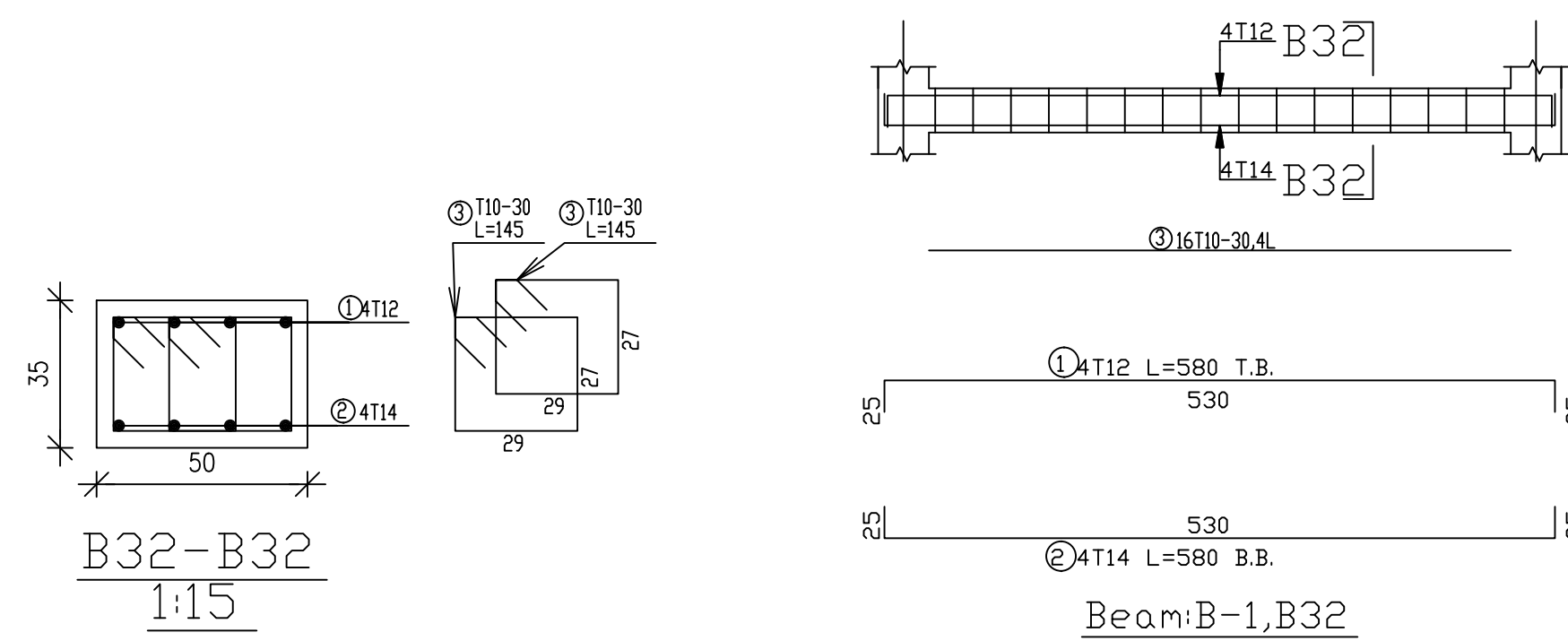
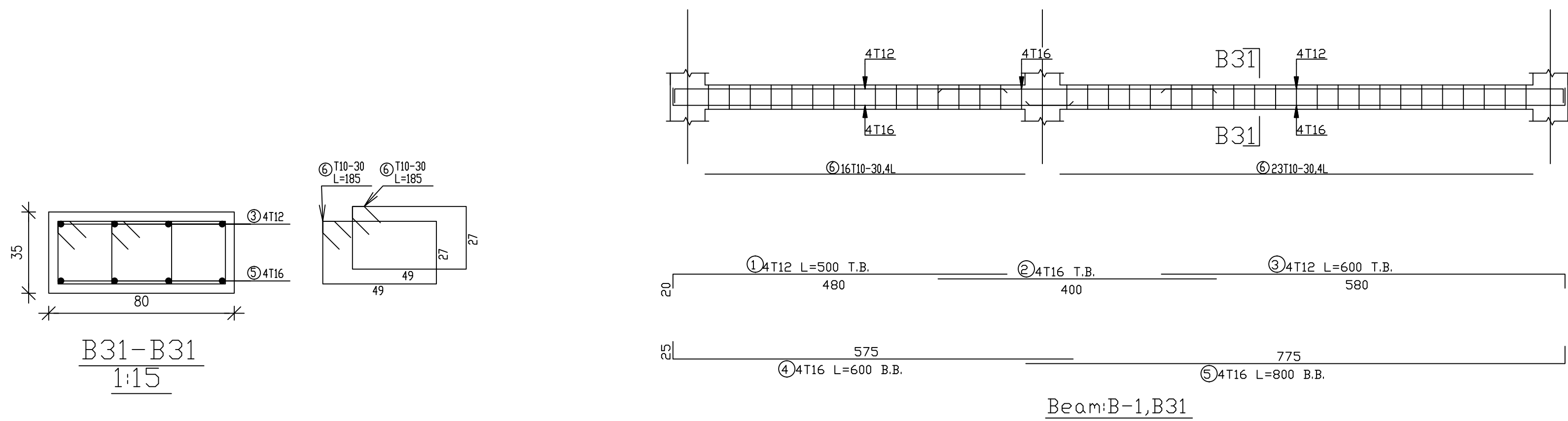
Supervisor

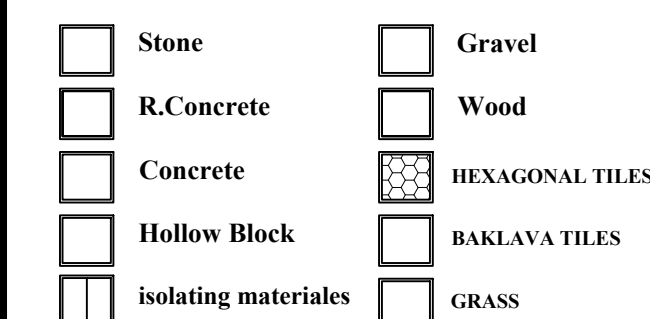
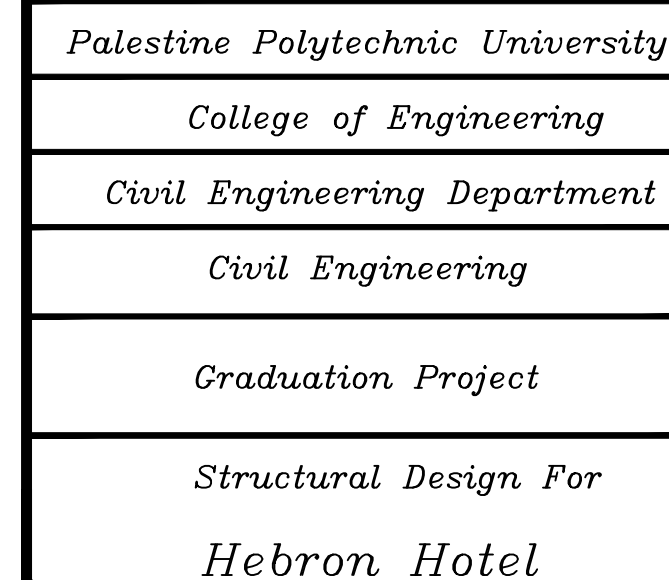
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S38	21/05/2023





DRAWING TITLE :

BEAMS REINFORCEMENT

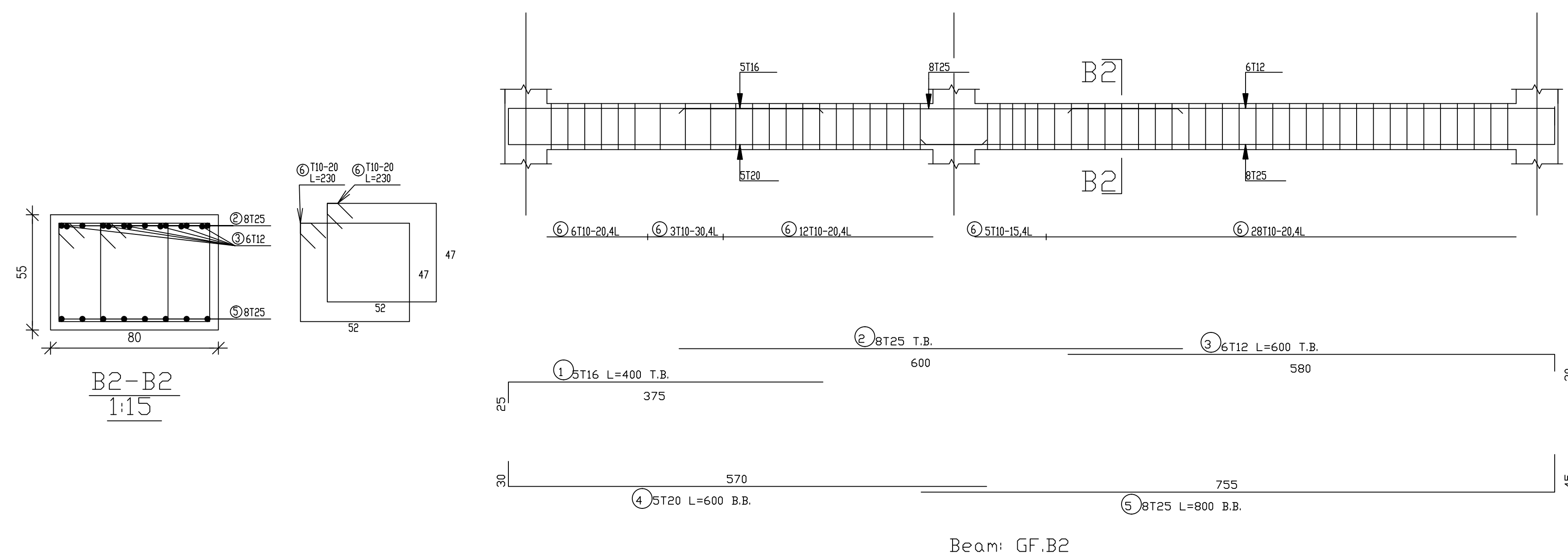
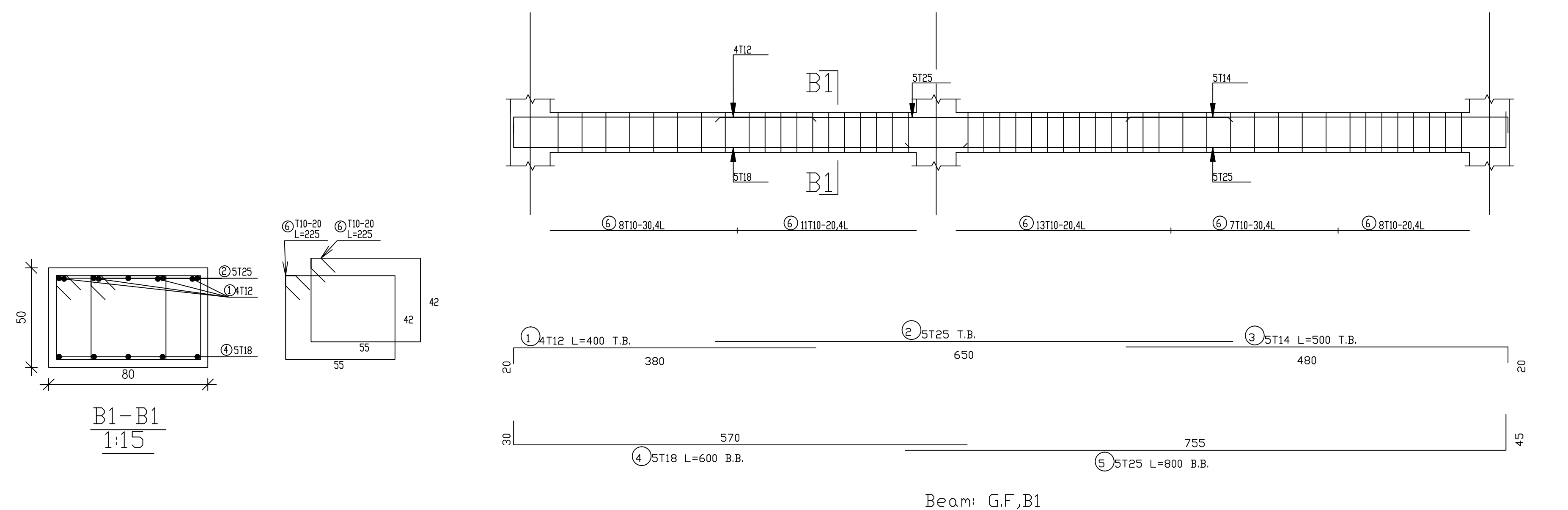
Supervisor

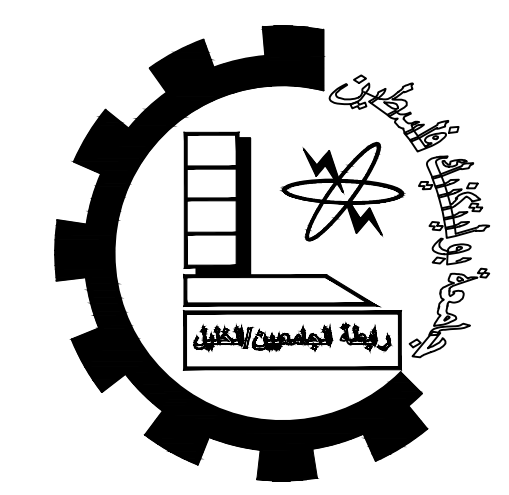
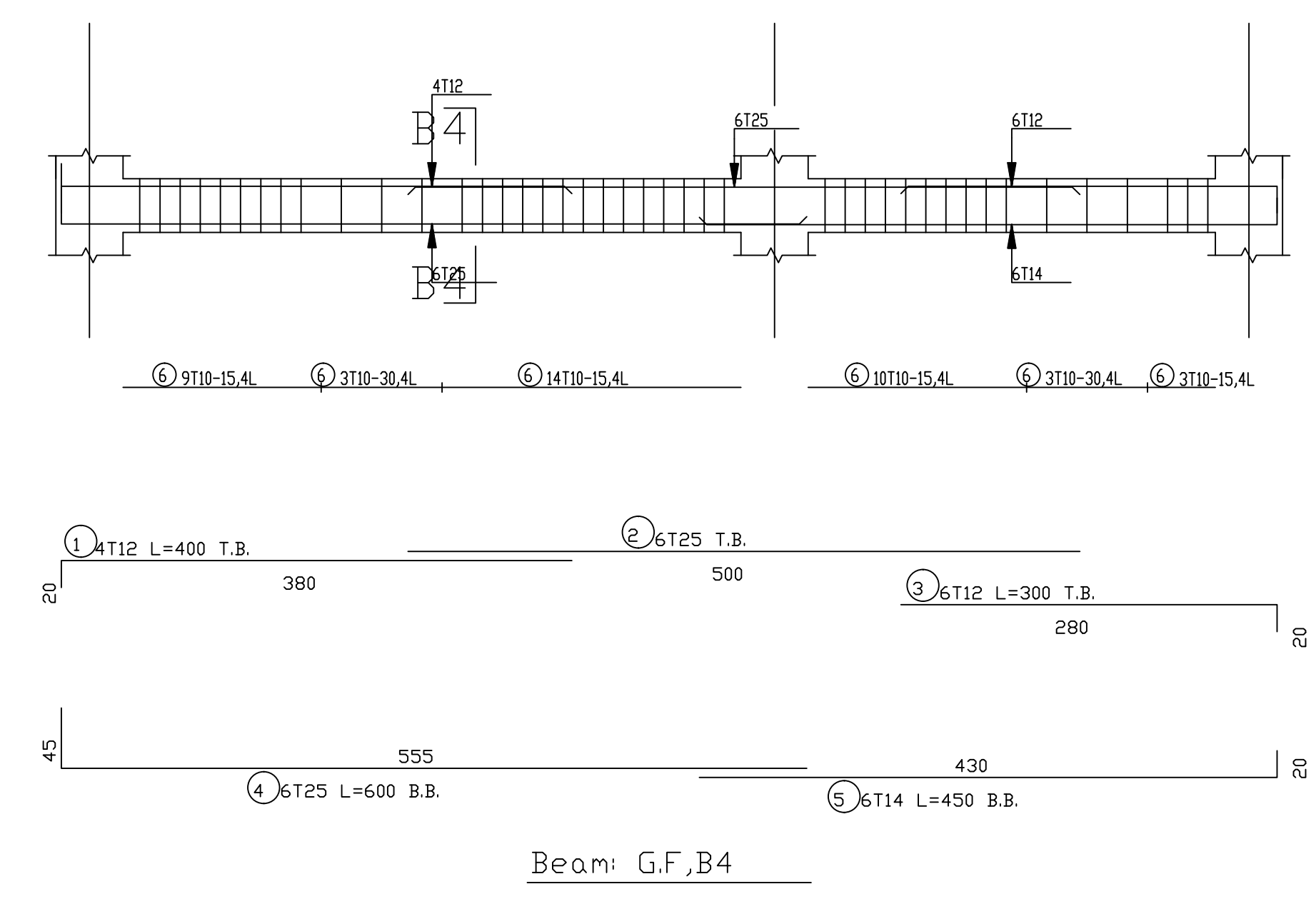
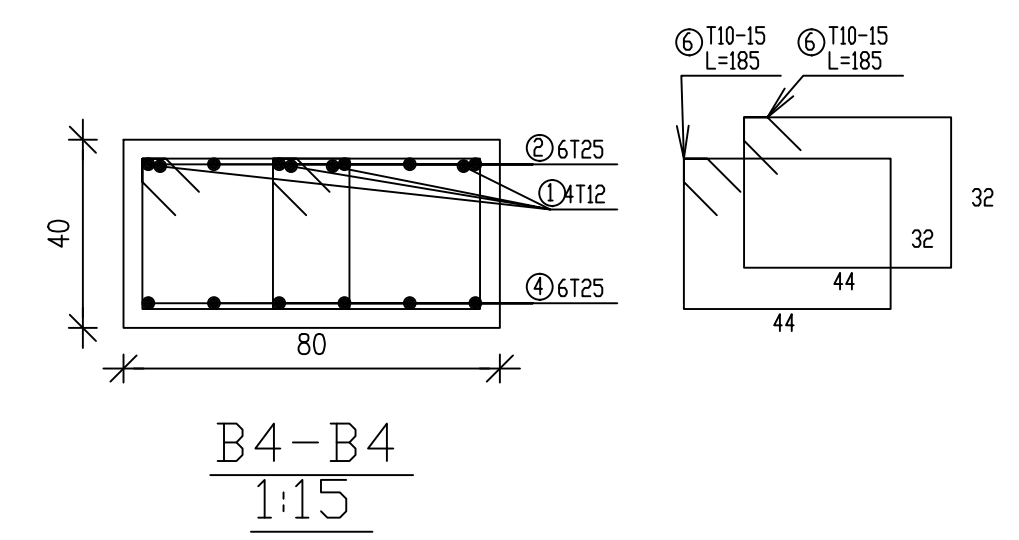
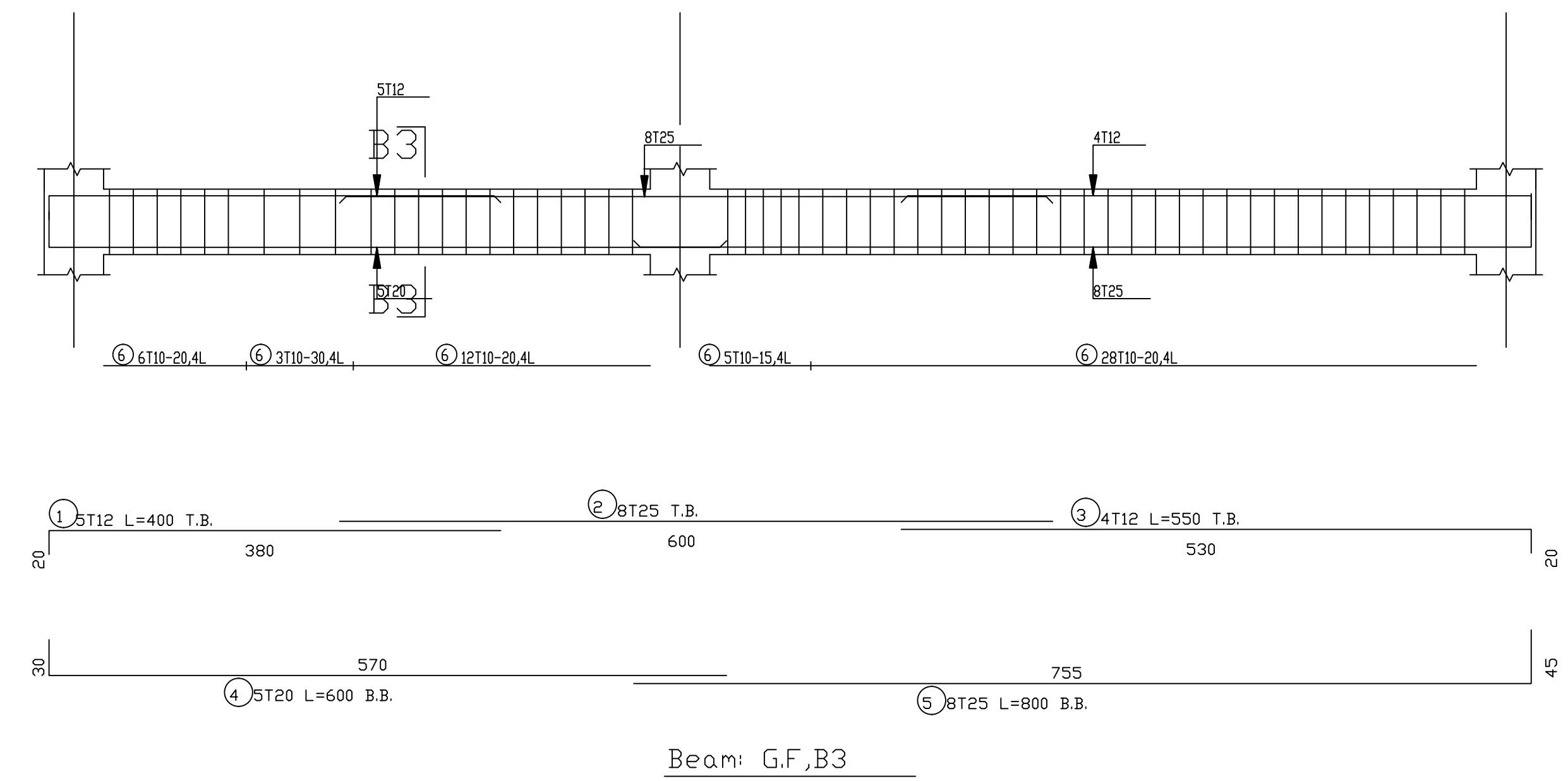
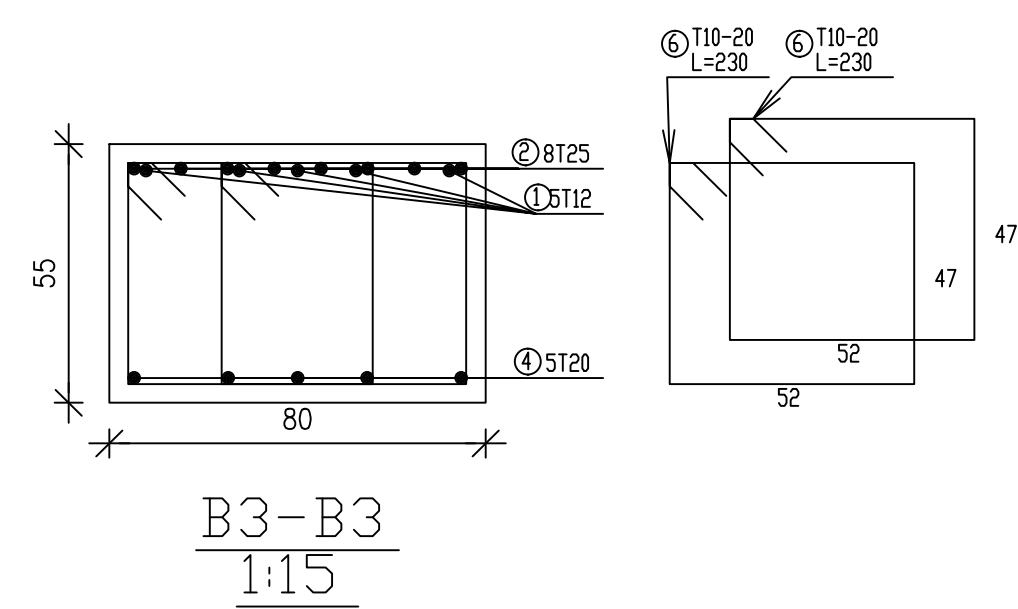
Dr.Hamdi idais.

Done by :

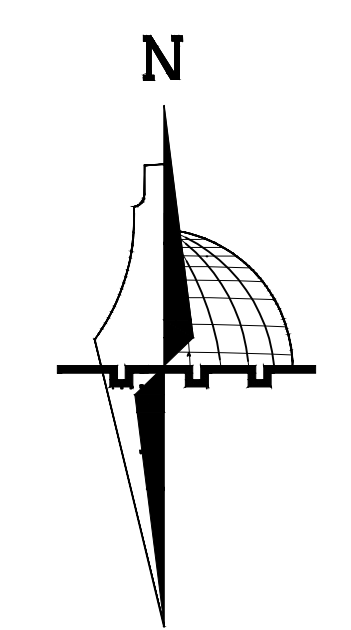
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S39	21/05/2023





Palestine Polytechnic University
College of Engineering
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Structural Design For
Hebron Hotel



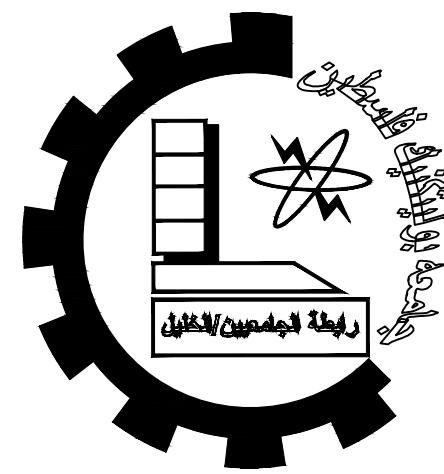
- Legend :**
- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :
BEAMS REINFORCEMENT

Supervisor
Dr.Hamdi idais.

Done by :
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S40	21/05/2023



Palestine Polytechnic University

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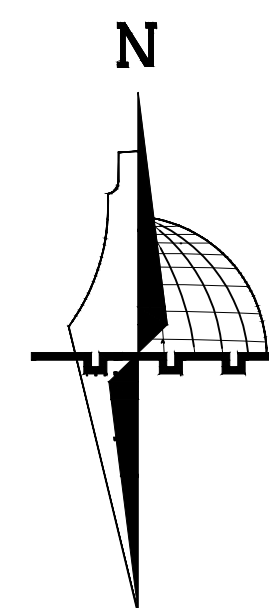
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

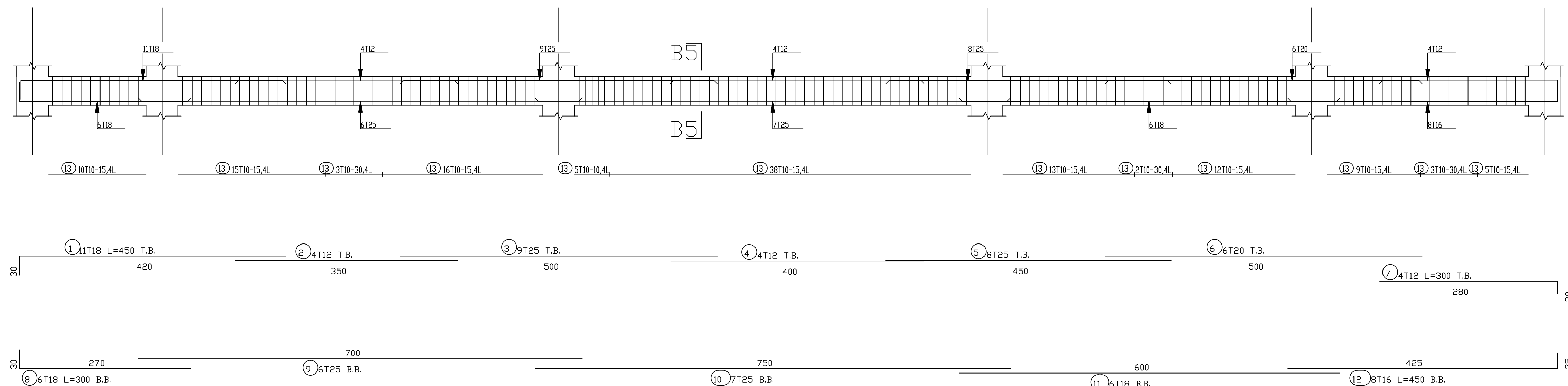
Done by :

Mohammad AbuZahra

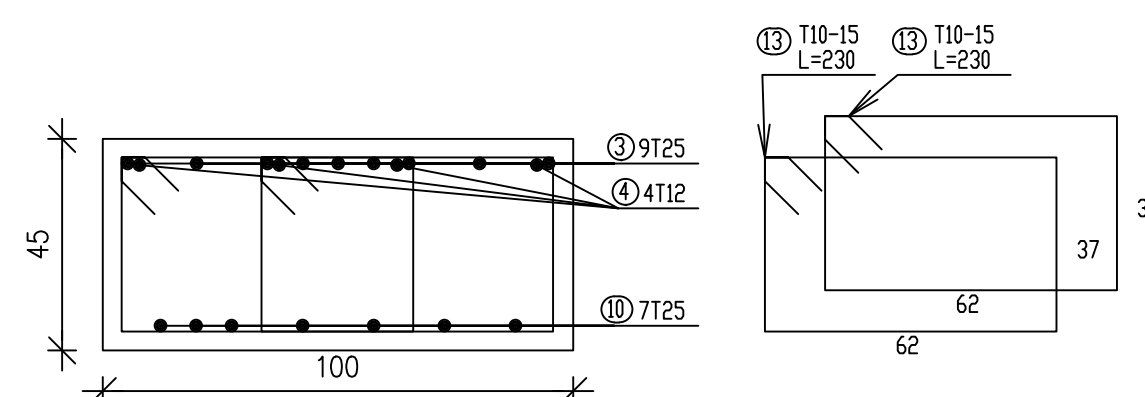
Sadam AbuQbete

Mohammad Nawajaa

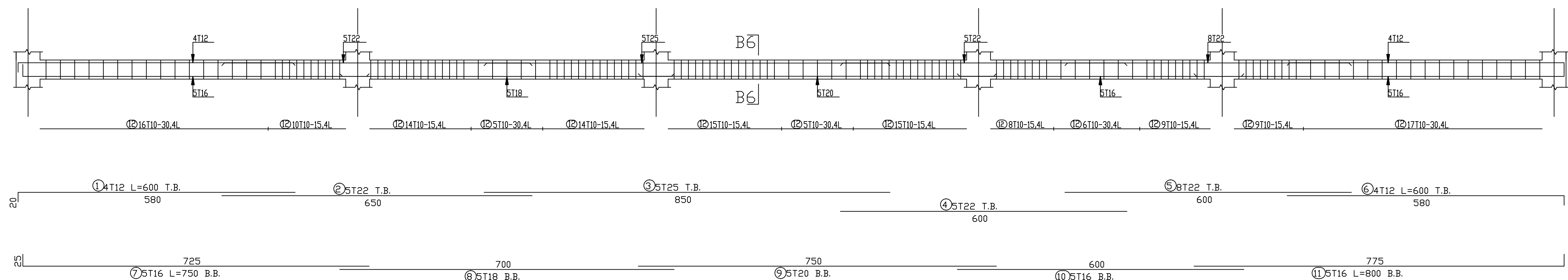
SCALE	No. of DRAW	DATE
1/100	S41	21/05/2023



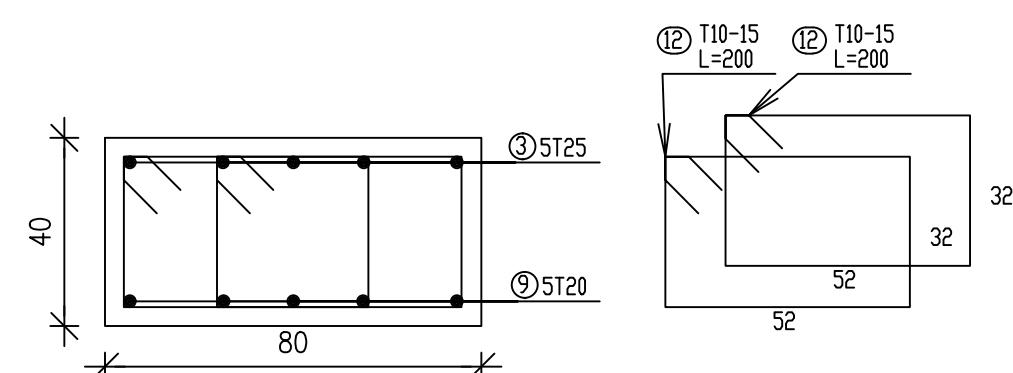
Beam: GF, B5



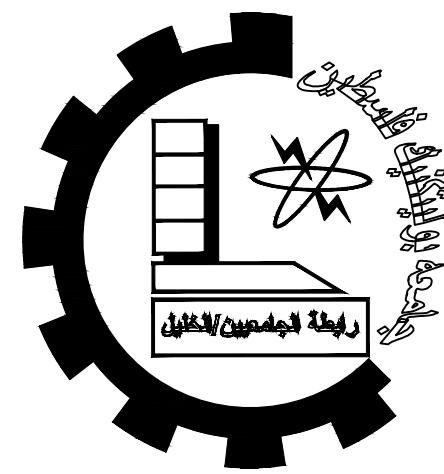
B5-B5
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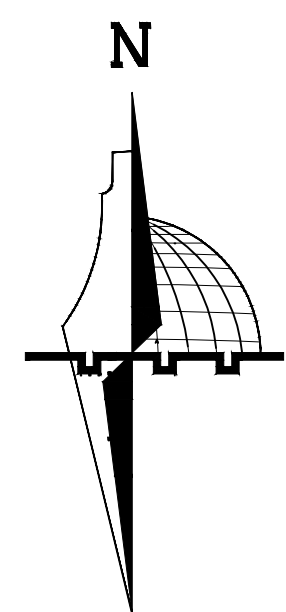
Beam:GF, B6



B6-B6
1:15



Palestine Polytechnic University
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Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

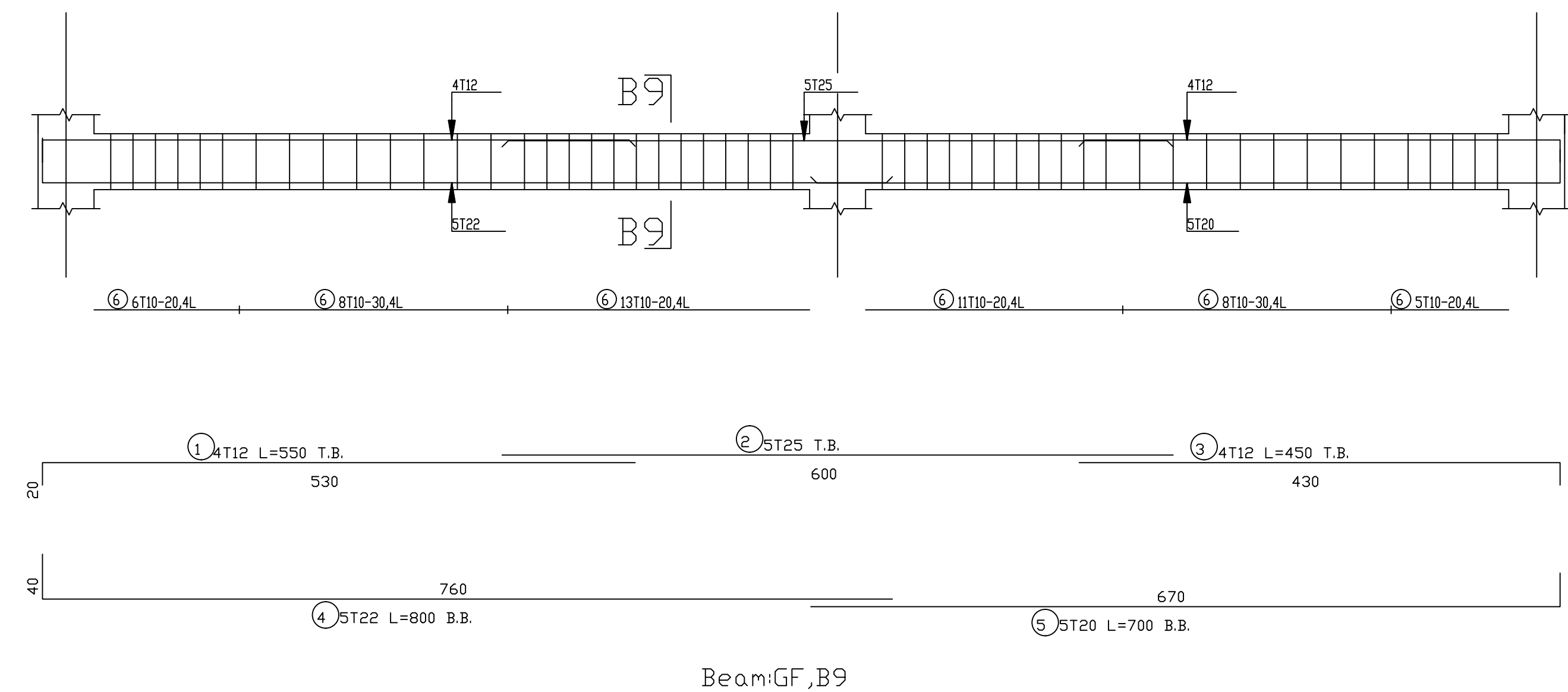
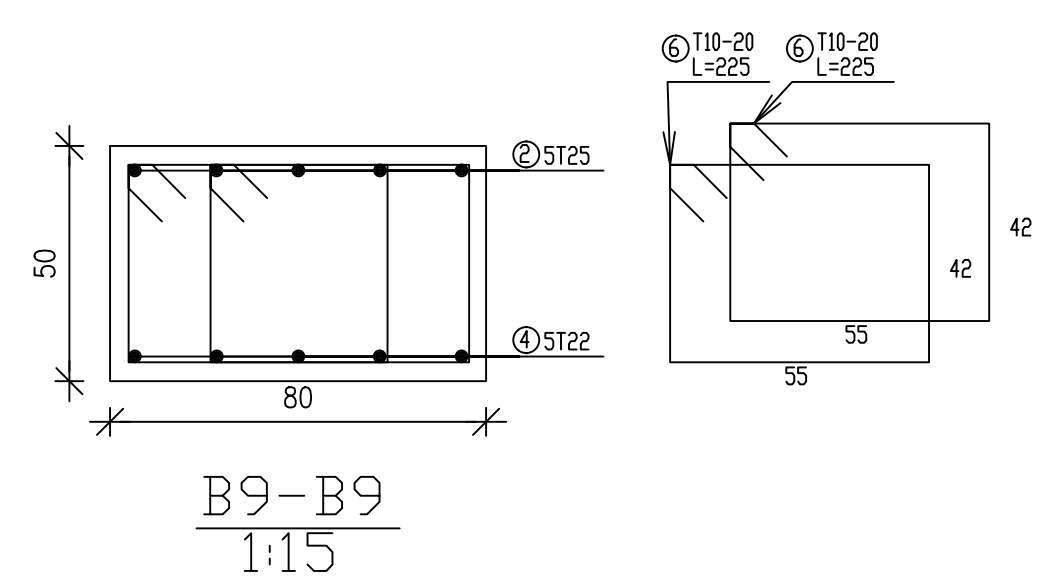
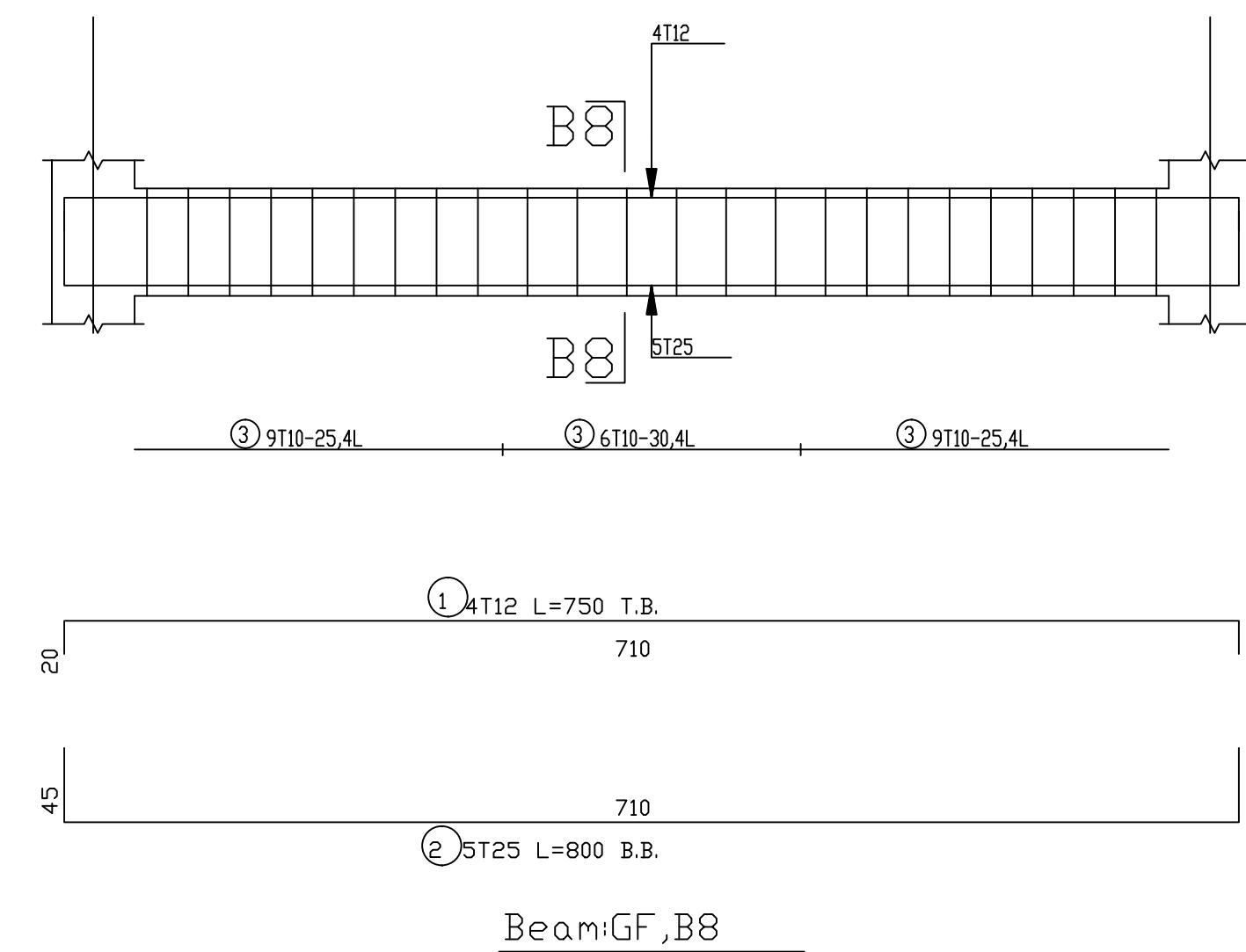
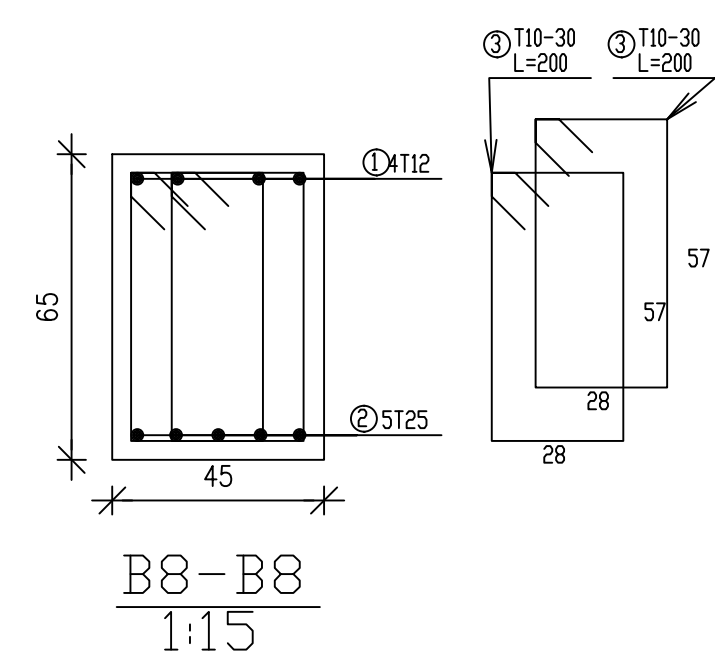
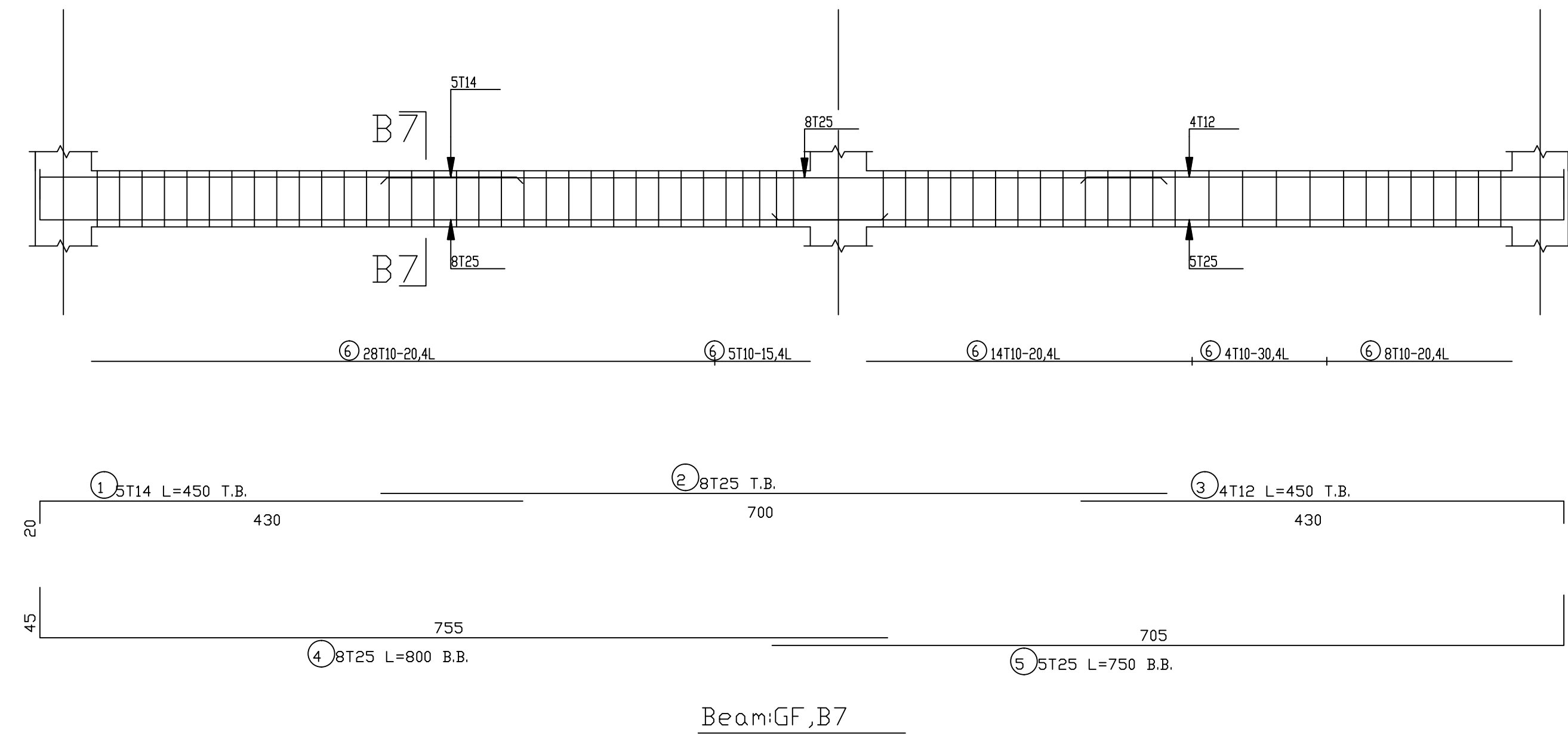
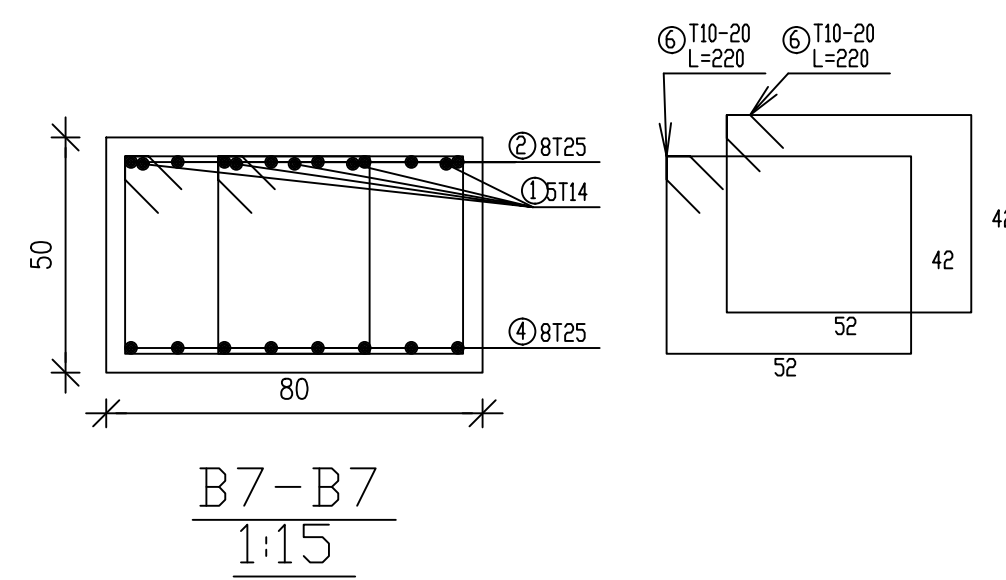
Supervisor

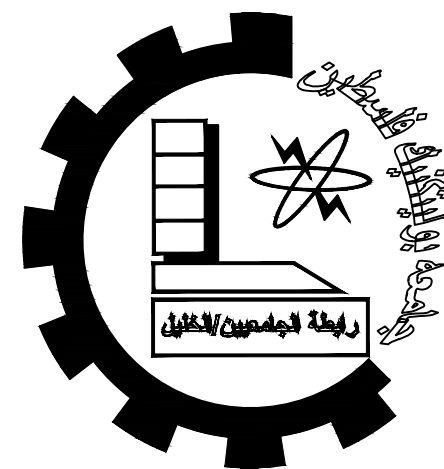
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S42	21/05/2023





Palestine Polytechnic University

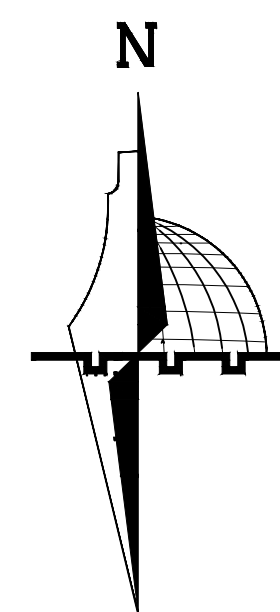
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

BEAMS REINFORCEMENT

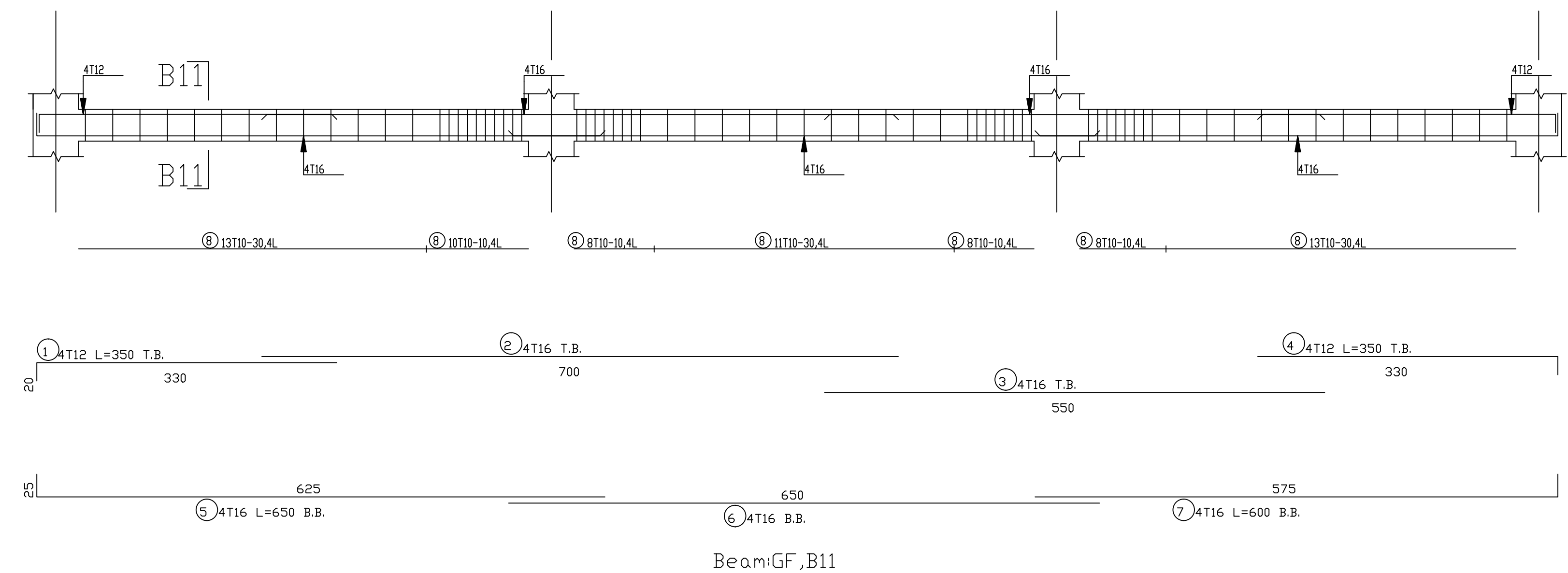
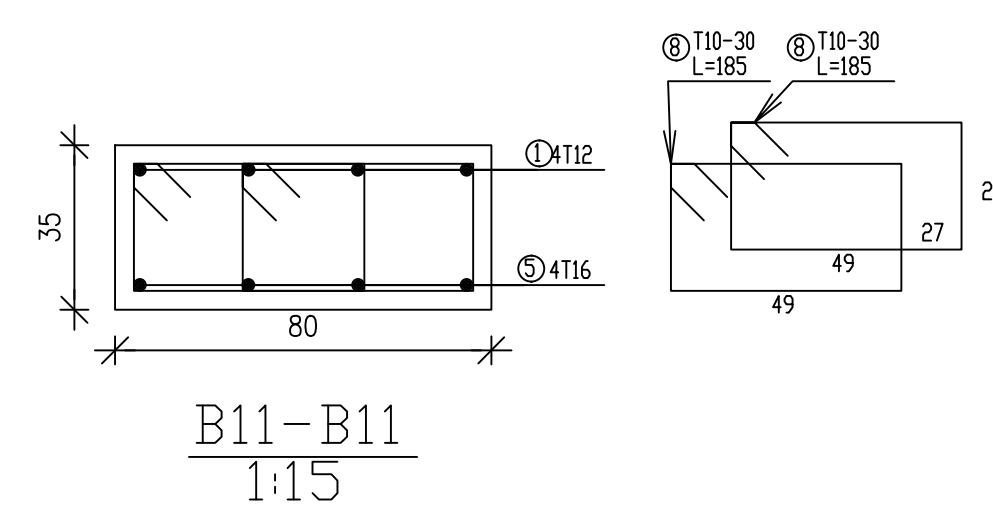
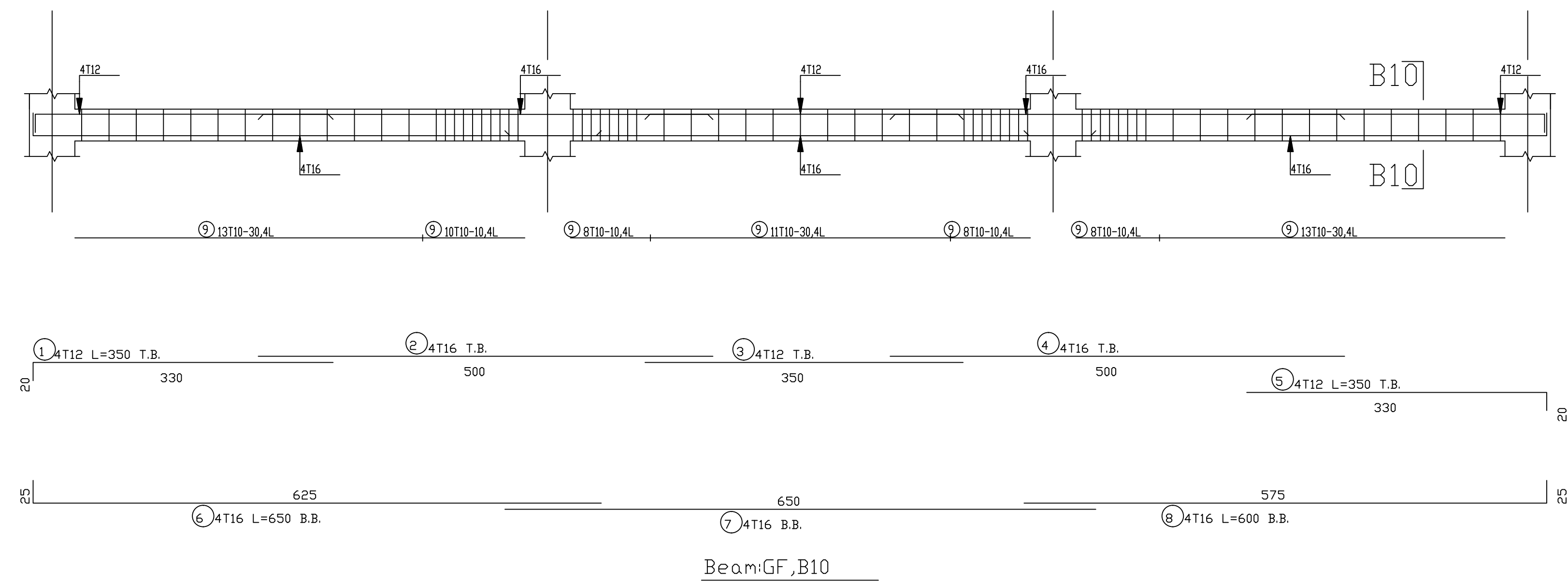
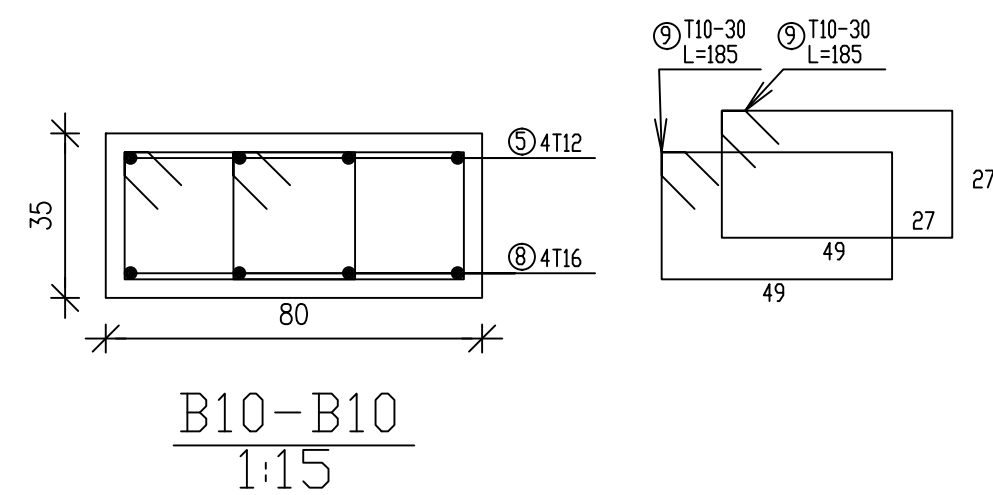
Supervisor

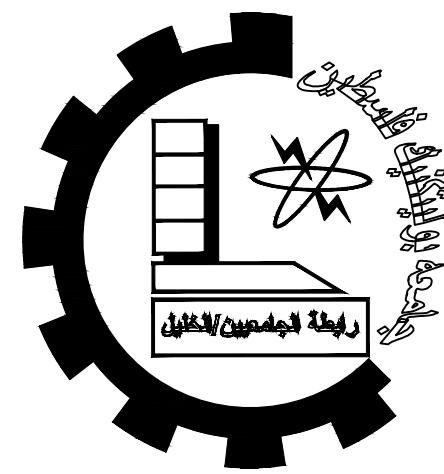
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S43	21/05/2023





Palestine Polytechnic University

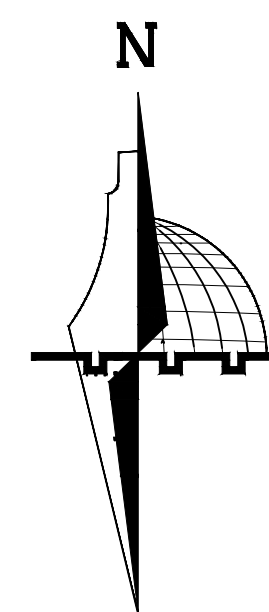
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

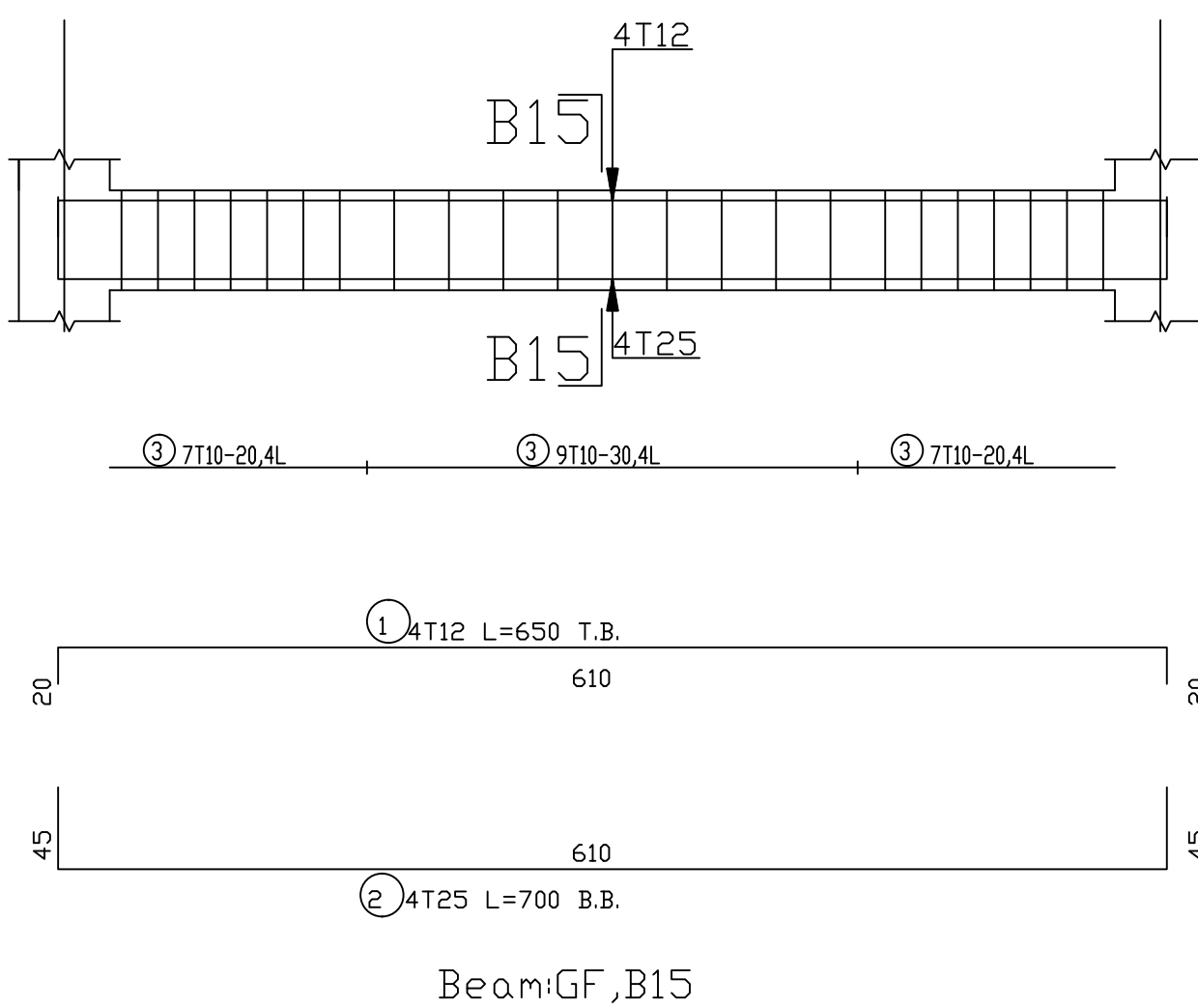
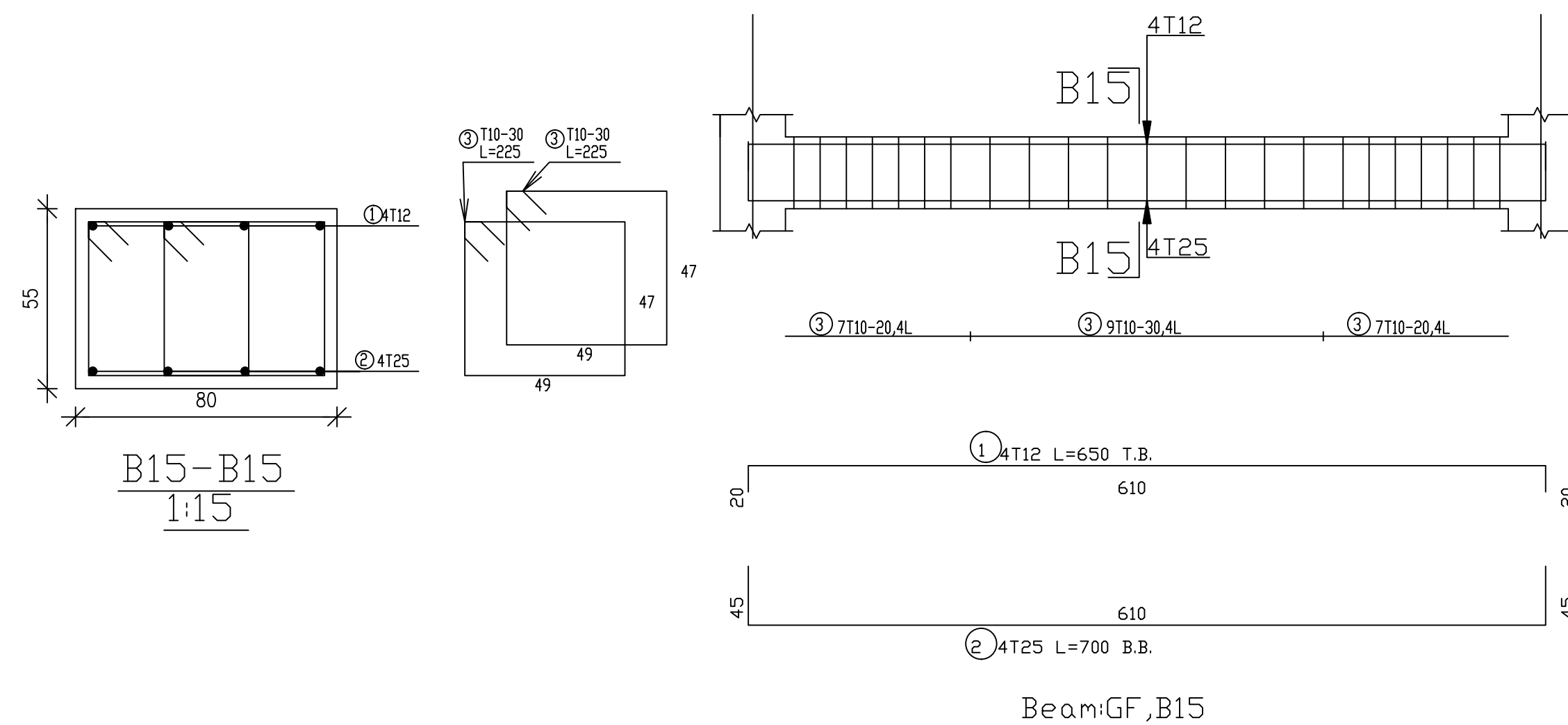
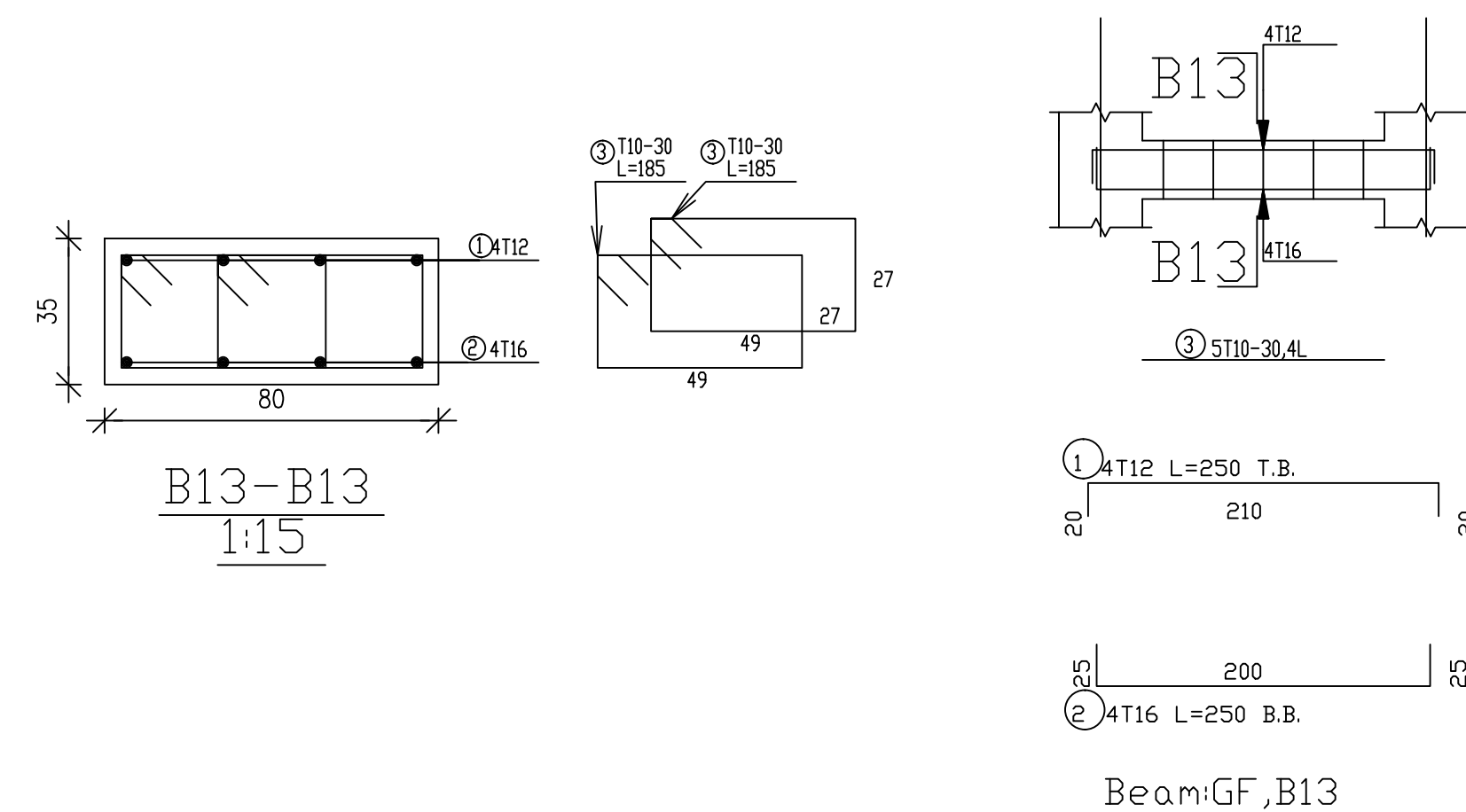
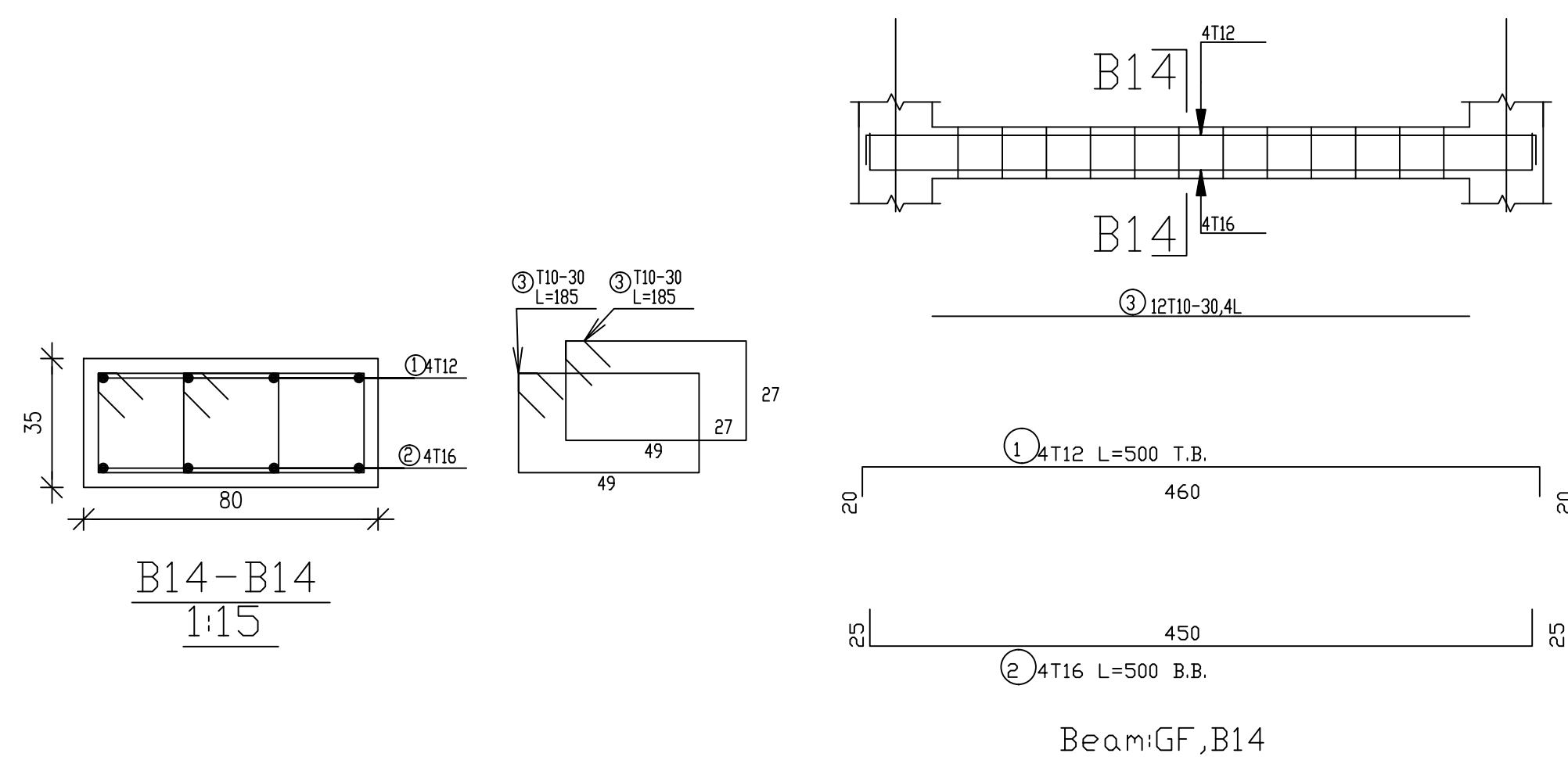
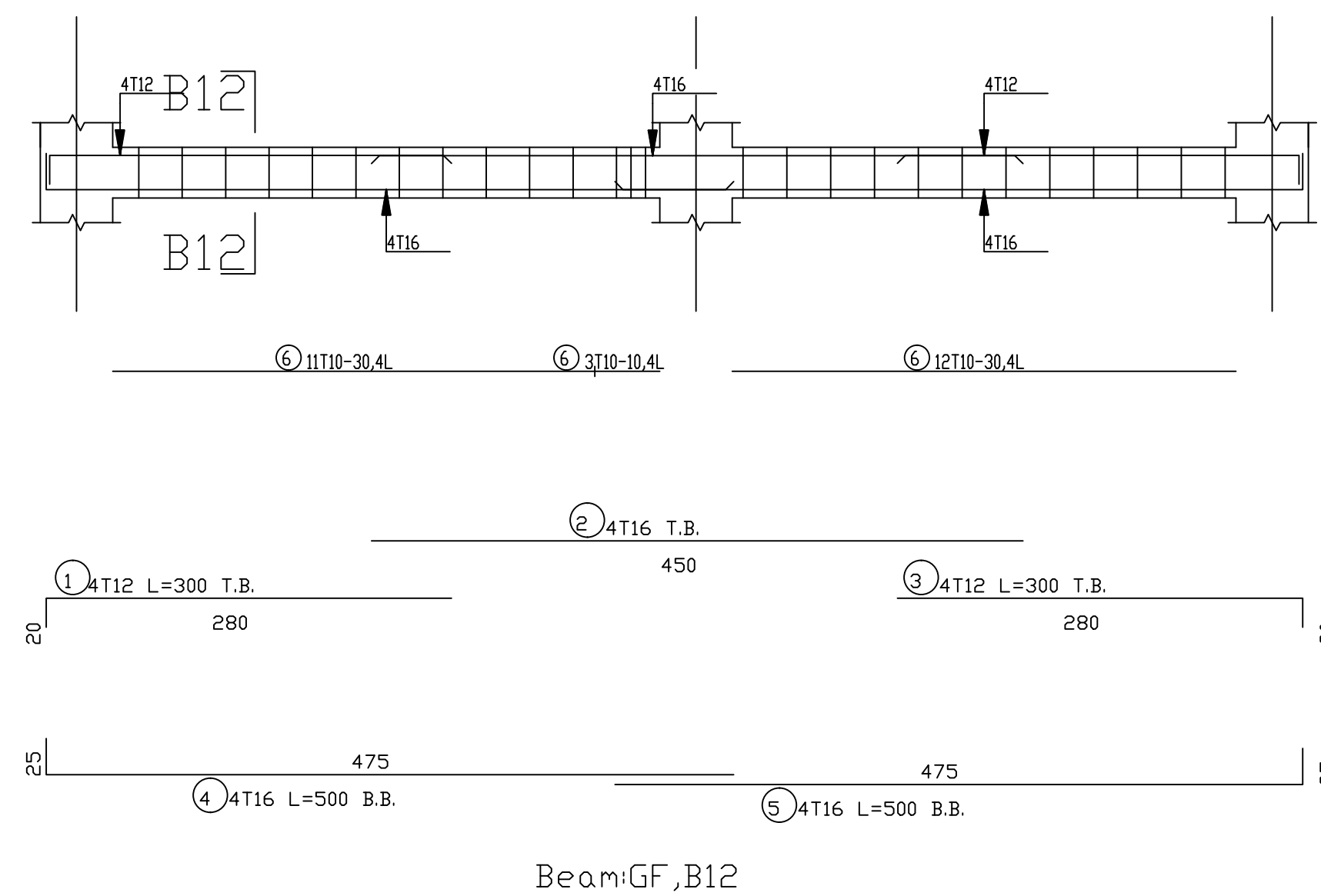
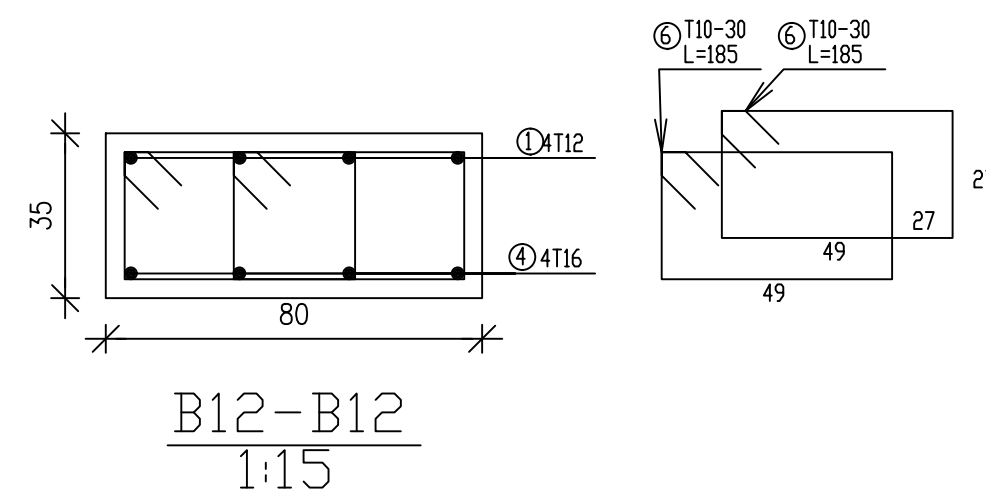
Supervisor

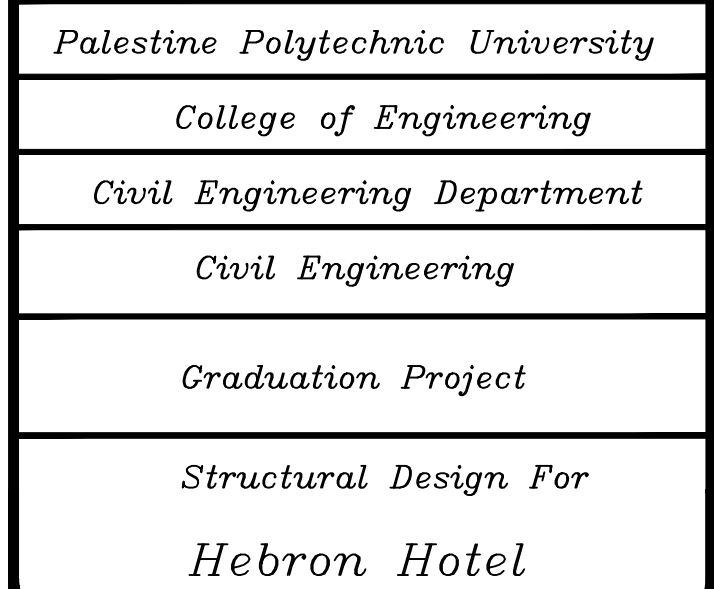
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S44	21/05/2023





- | | | | |
|---|----------------------|---|-----------------|
|  | Stone |  | Gravel |
|  | R.Concrete |  | Wood |
|  | Concrete |  | HEXAGONAL TILES |
|  | Hollow Block |  | BAKLAVA TILES |
|  | isolating materiales |  | GRASS |

DRAWING TITLE :

BEAMS REINFORCEMENT

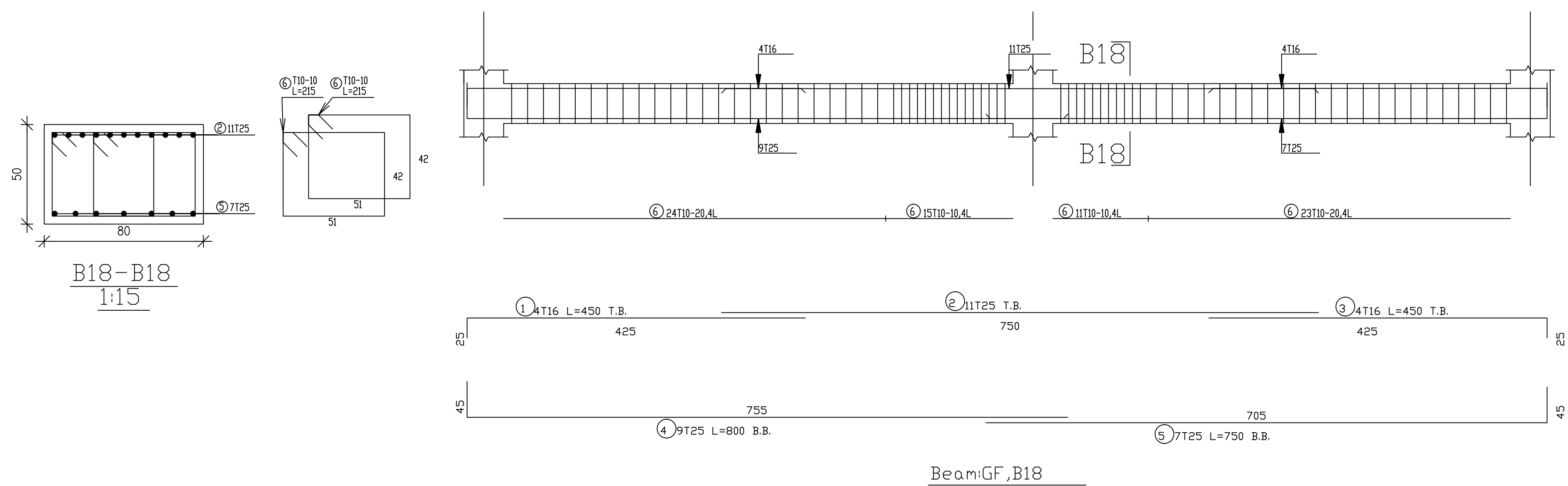
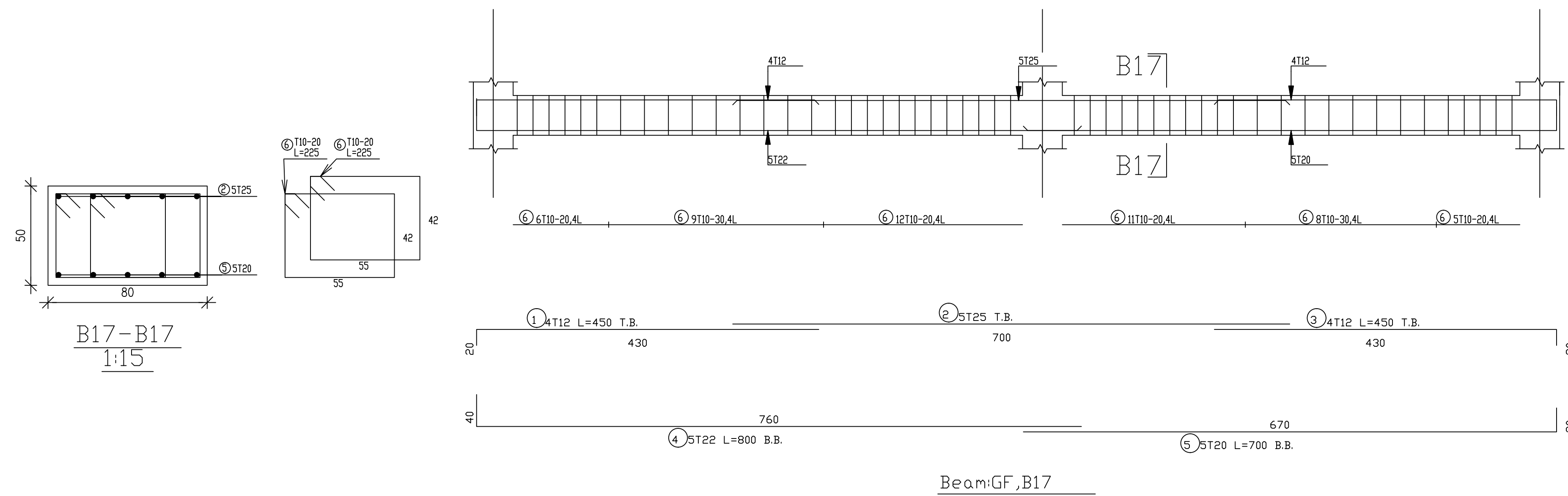
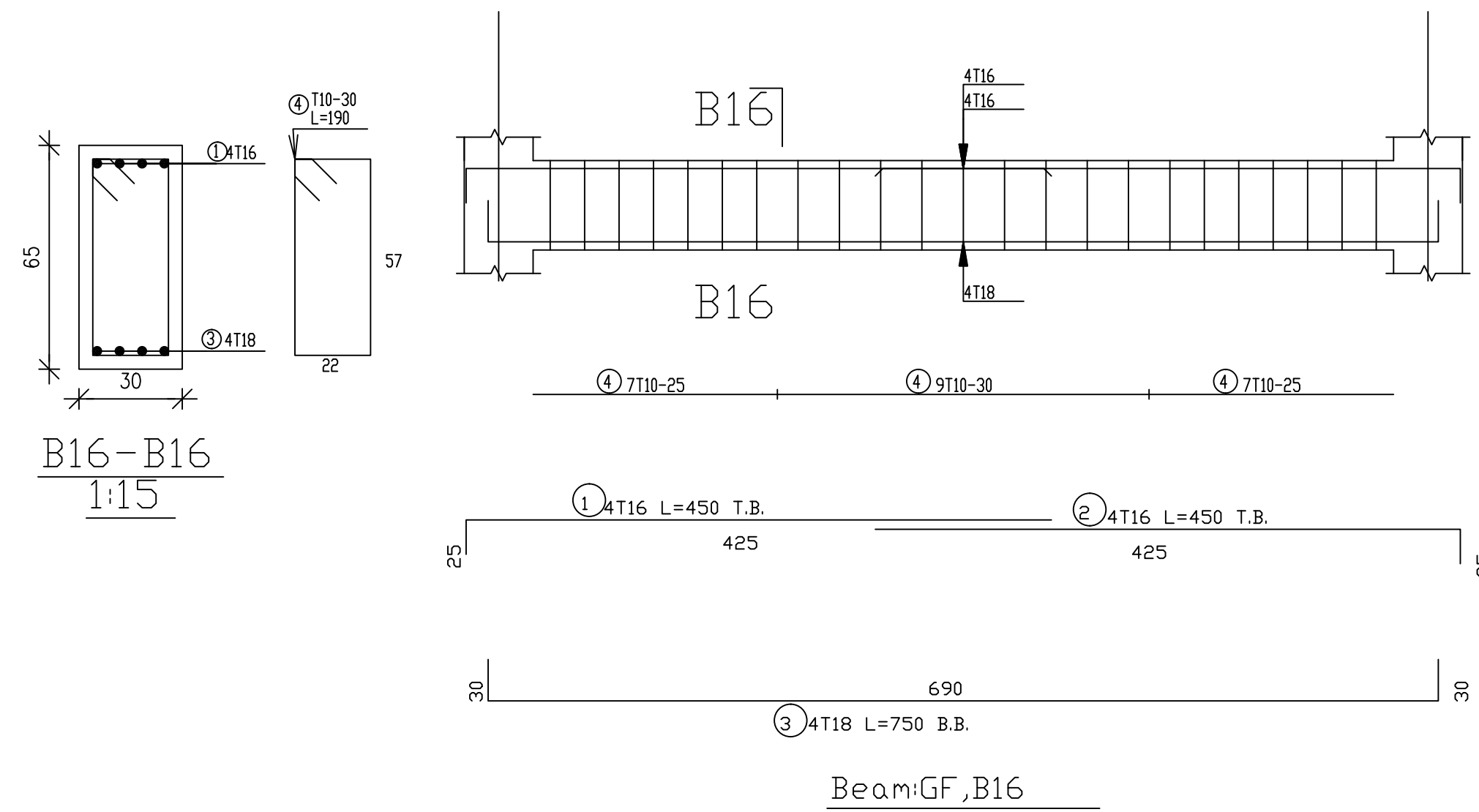
Supervisor

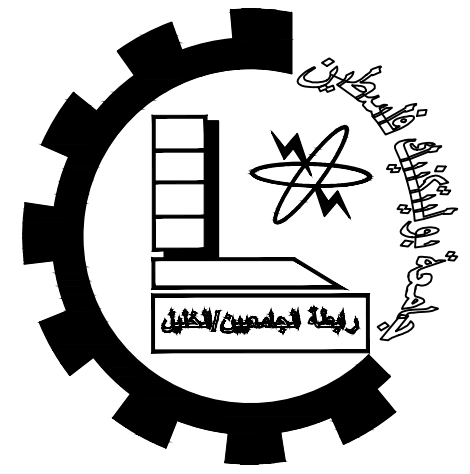
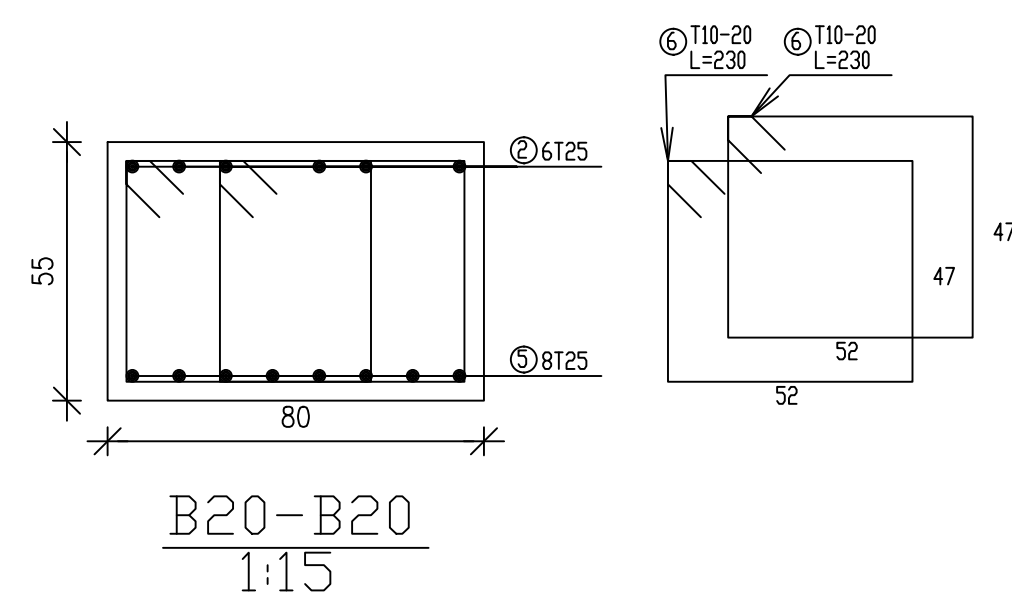
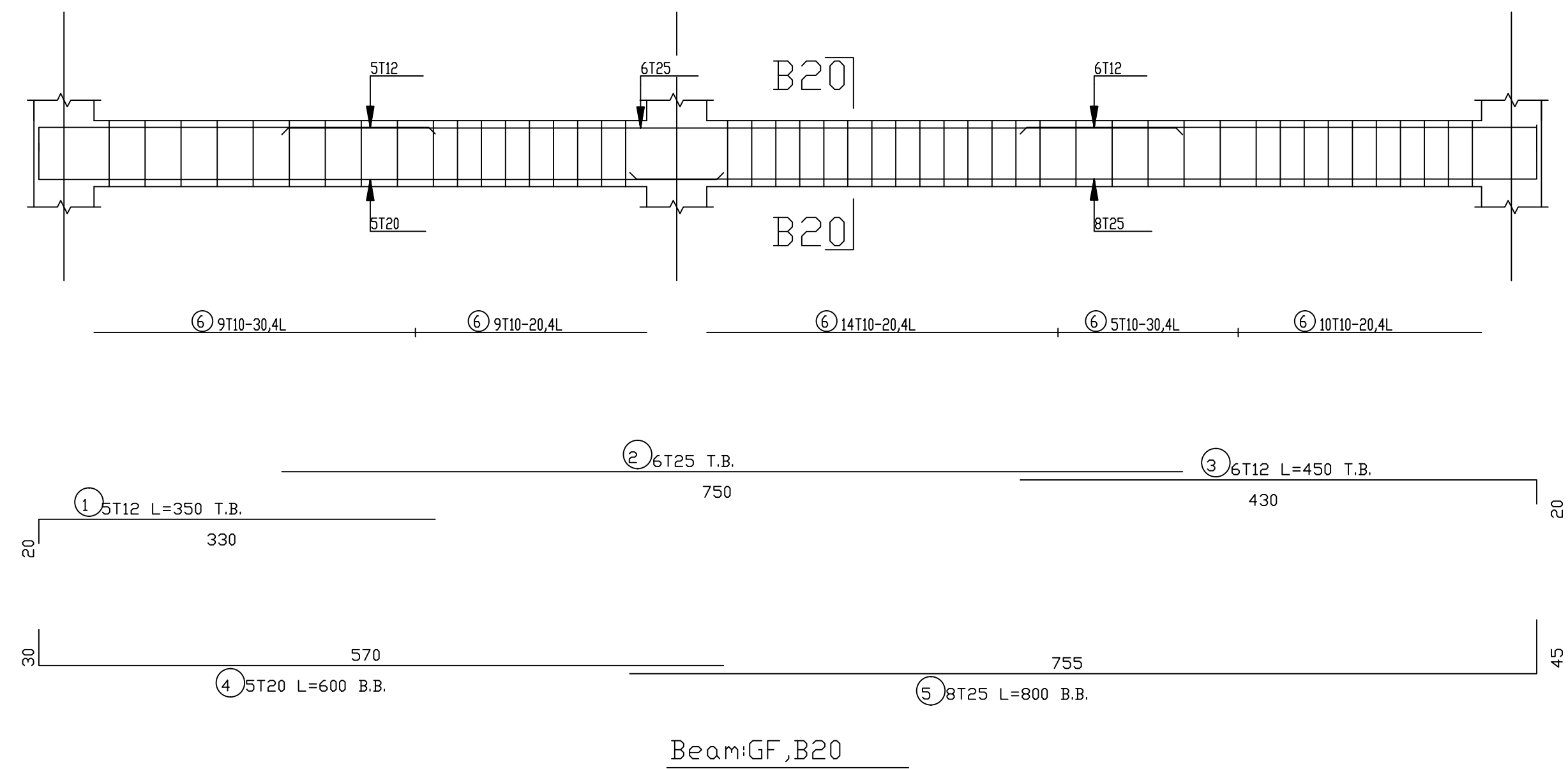
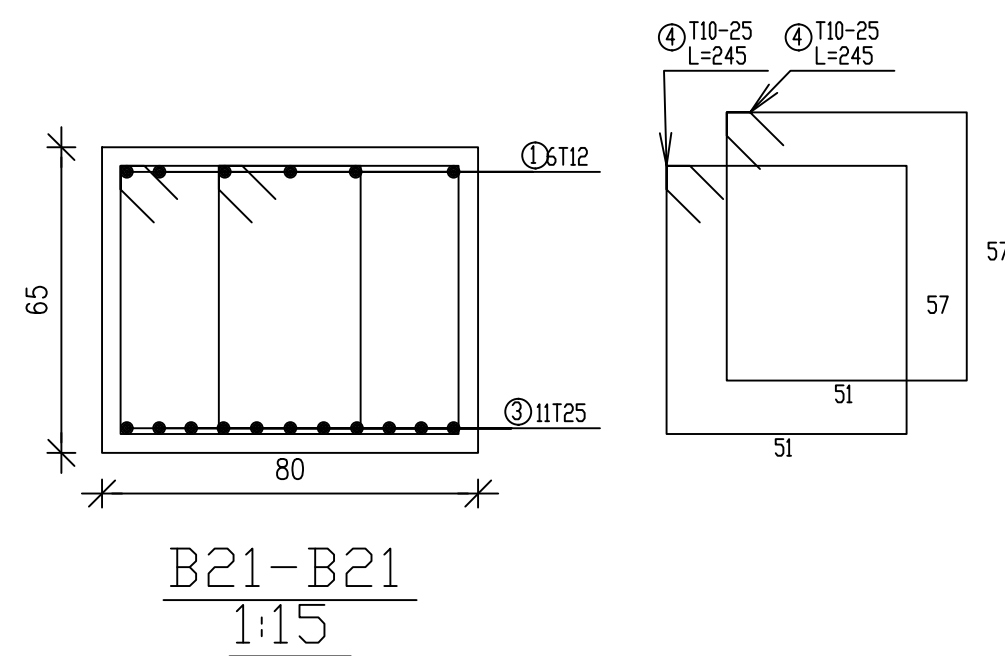
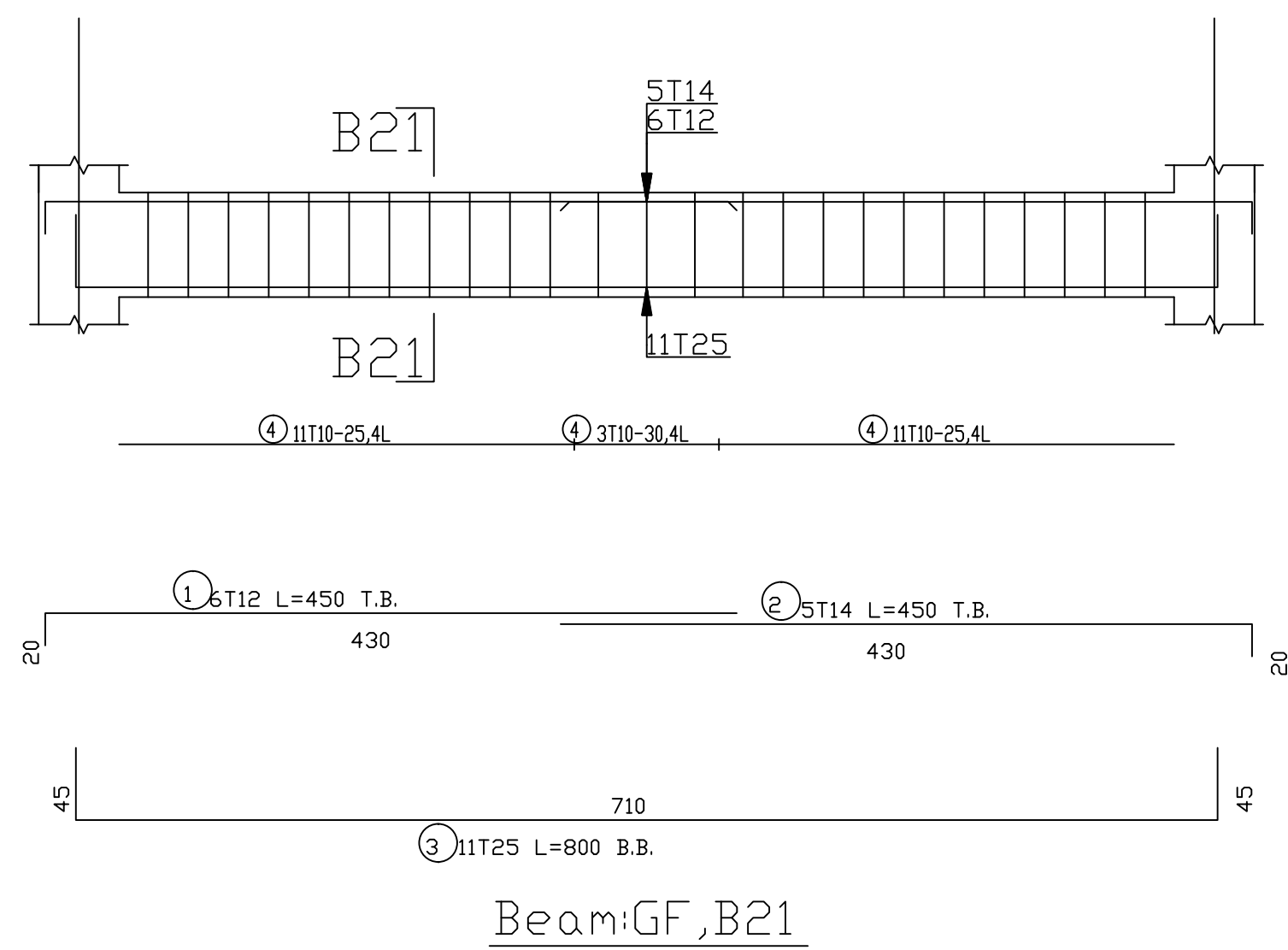
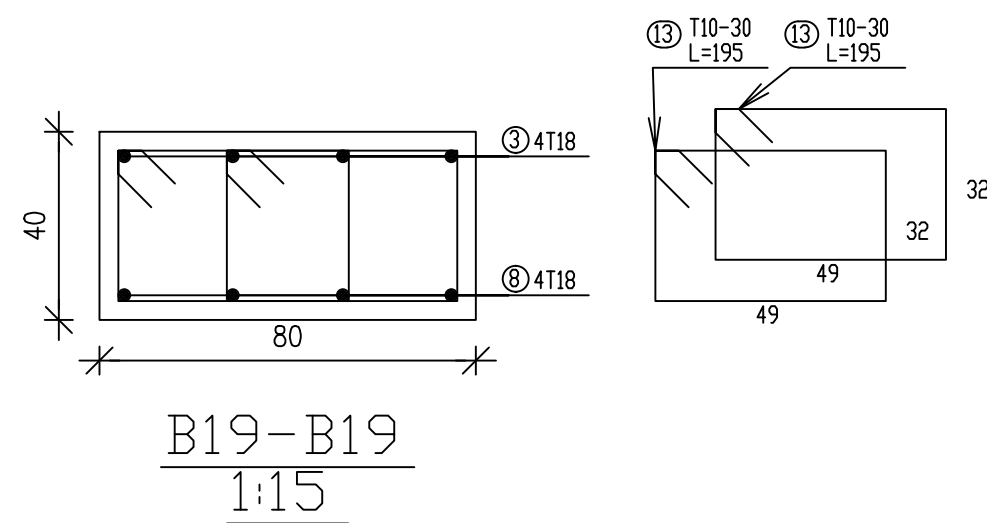
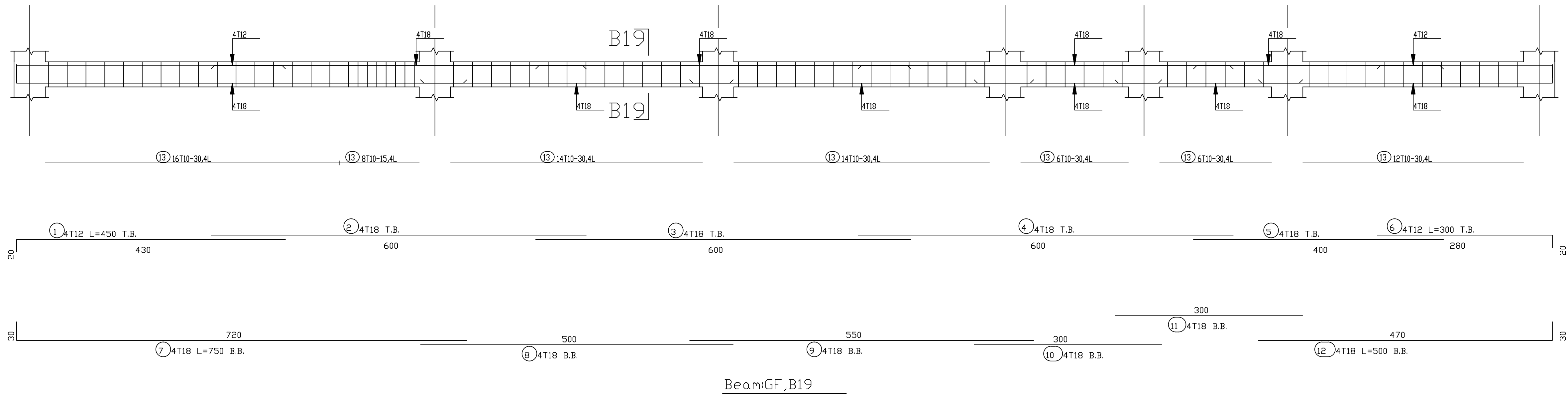
Dr.Hamdi idais.

Done by :

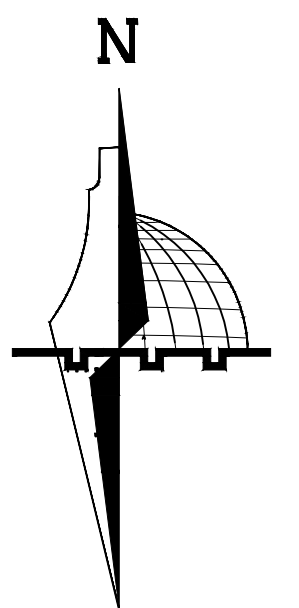
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S45</i>	<i>21/05/2023</i>





Palestine Polytechnic University
College of Engineering
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Structural Design For
Hebron Hotel



Legend :

Stone	Gravel
R.Concrete	Wood
Concrete	HEXAGONAL TILES
Hollow Block	BAKLAVA TILES
isolating materiales	GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

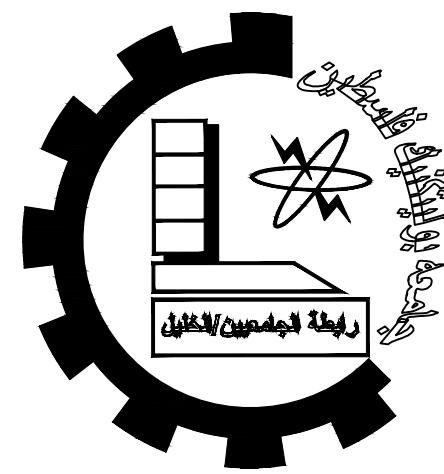
Supervisor

Dr.Hamdi idais.

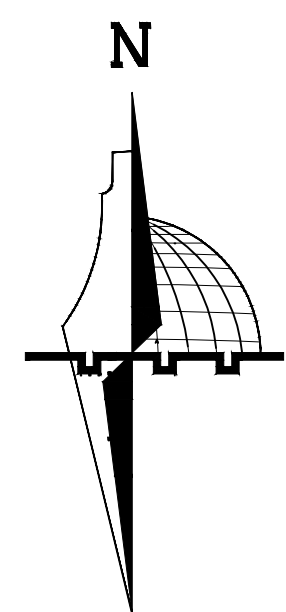
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S46	21/05/2023



Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

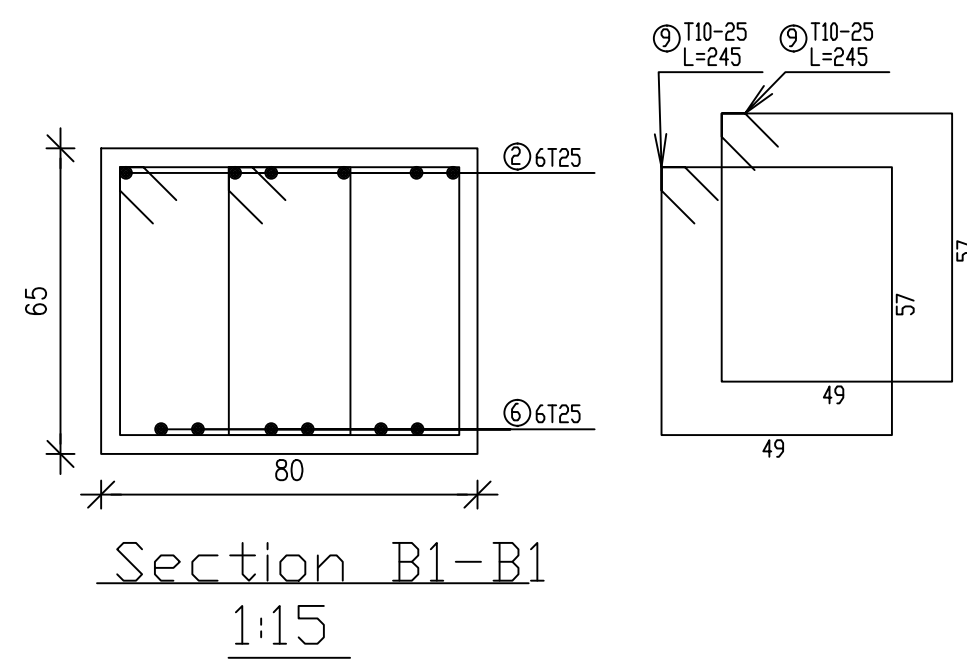
Supervisor

Dr.Hamdi idais.

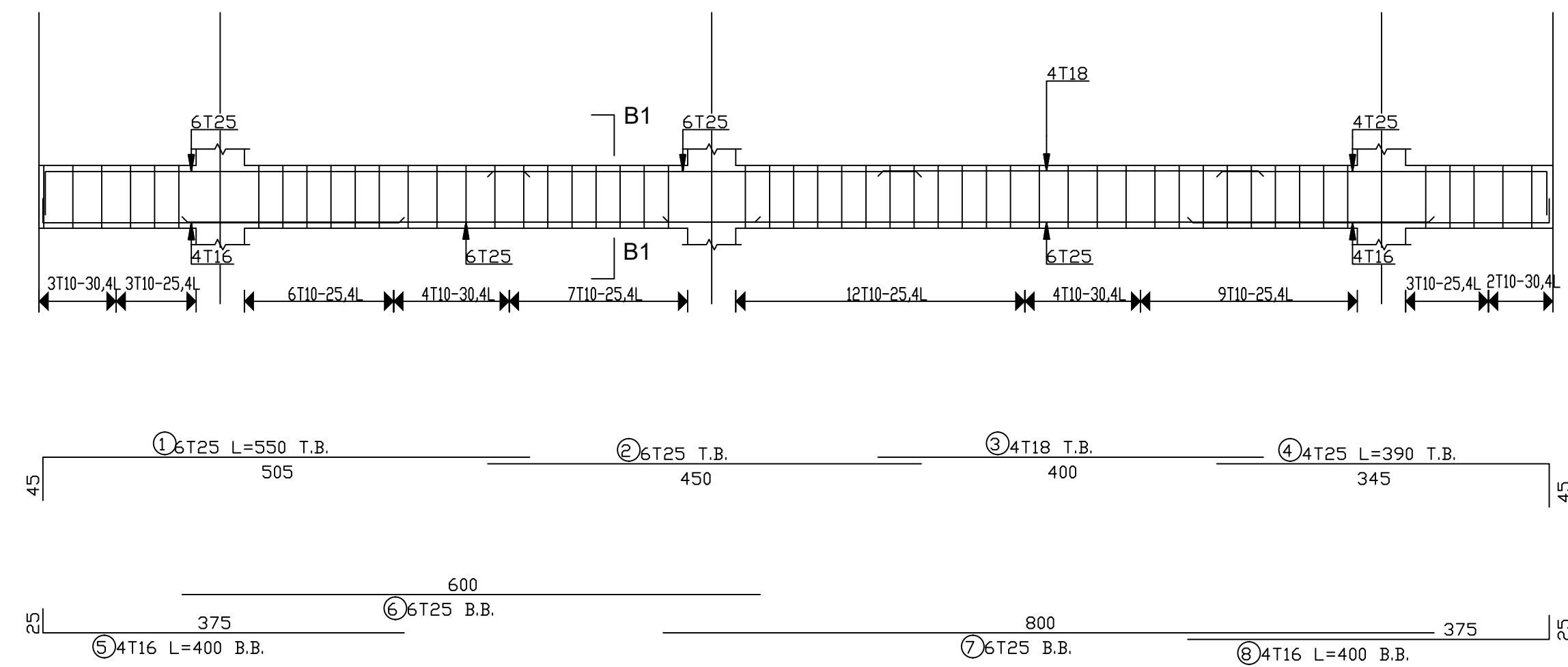
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

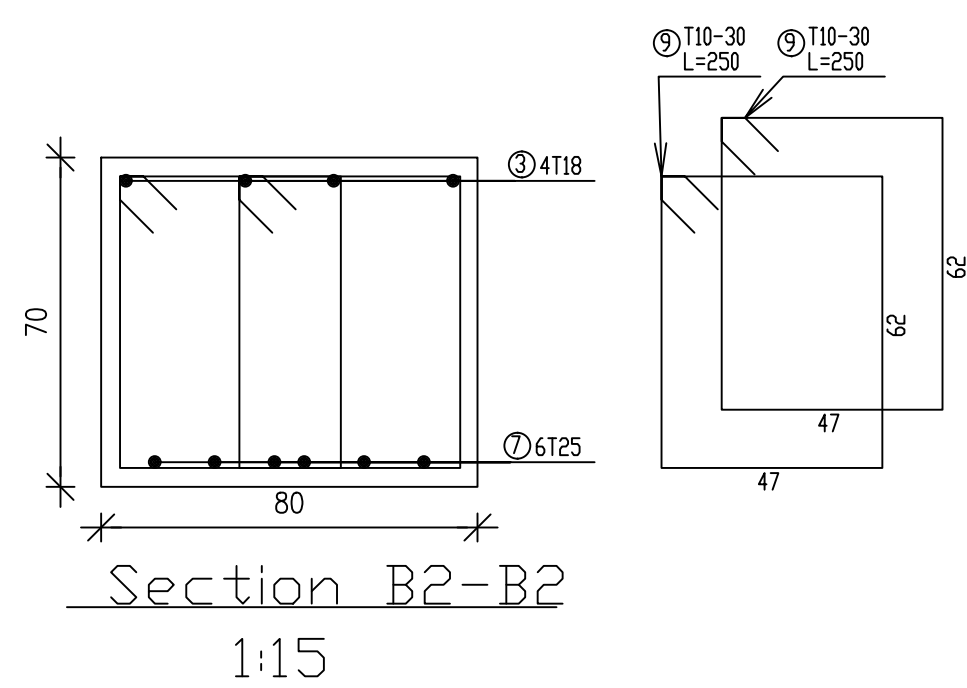
SCALE	No. of DRAW	DATE
1/100	S47	21/05/2023



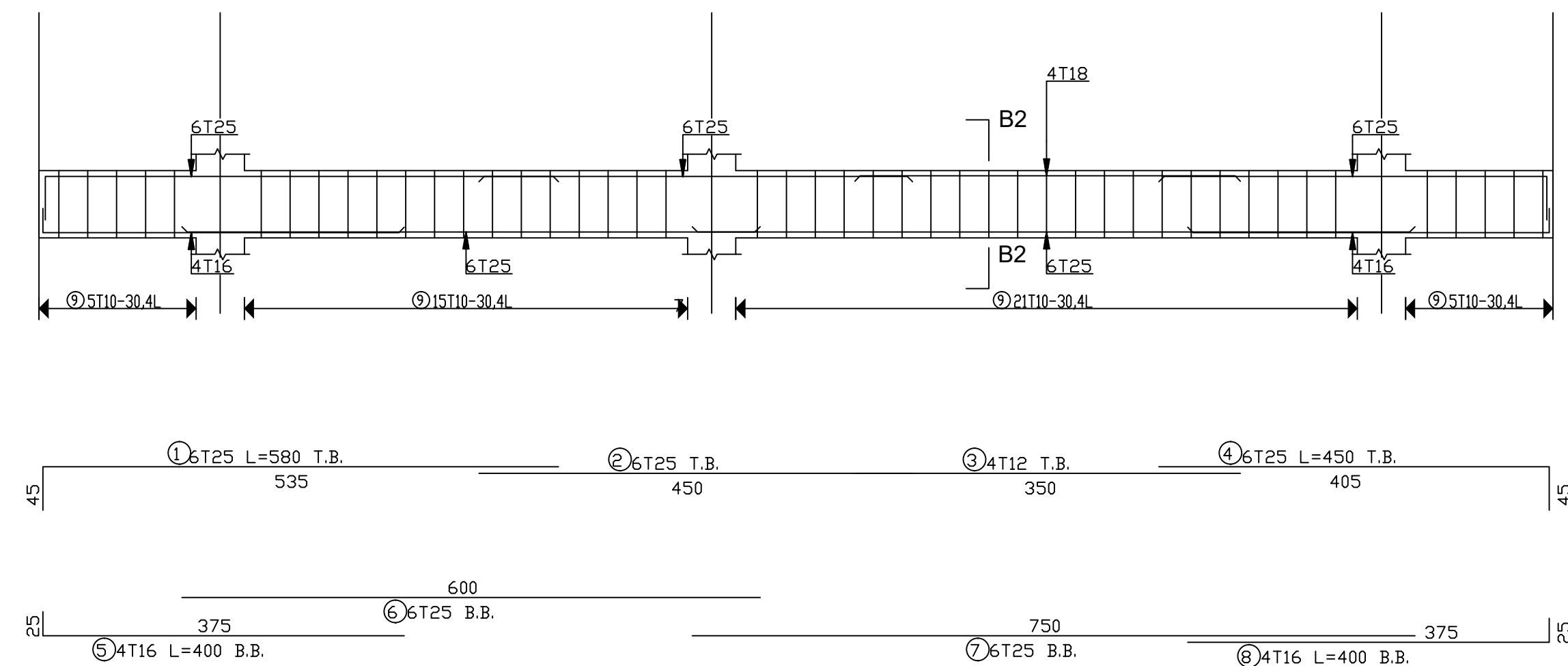
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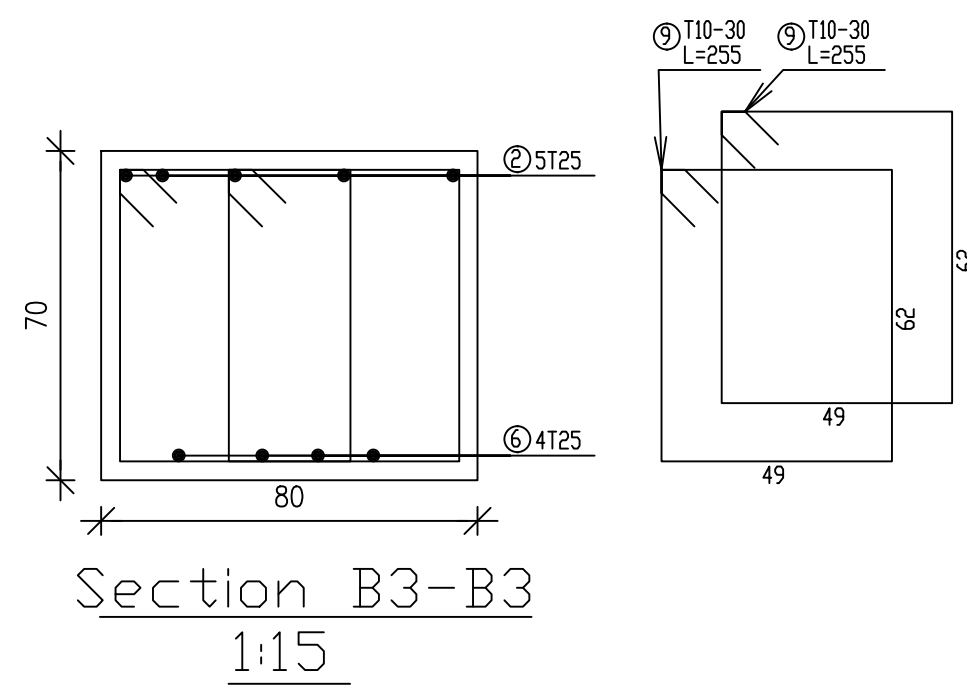
Beam: F1,B1



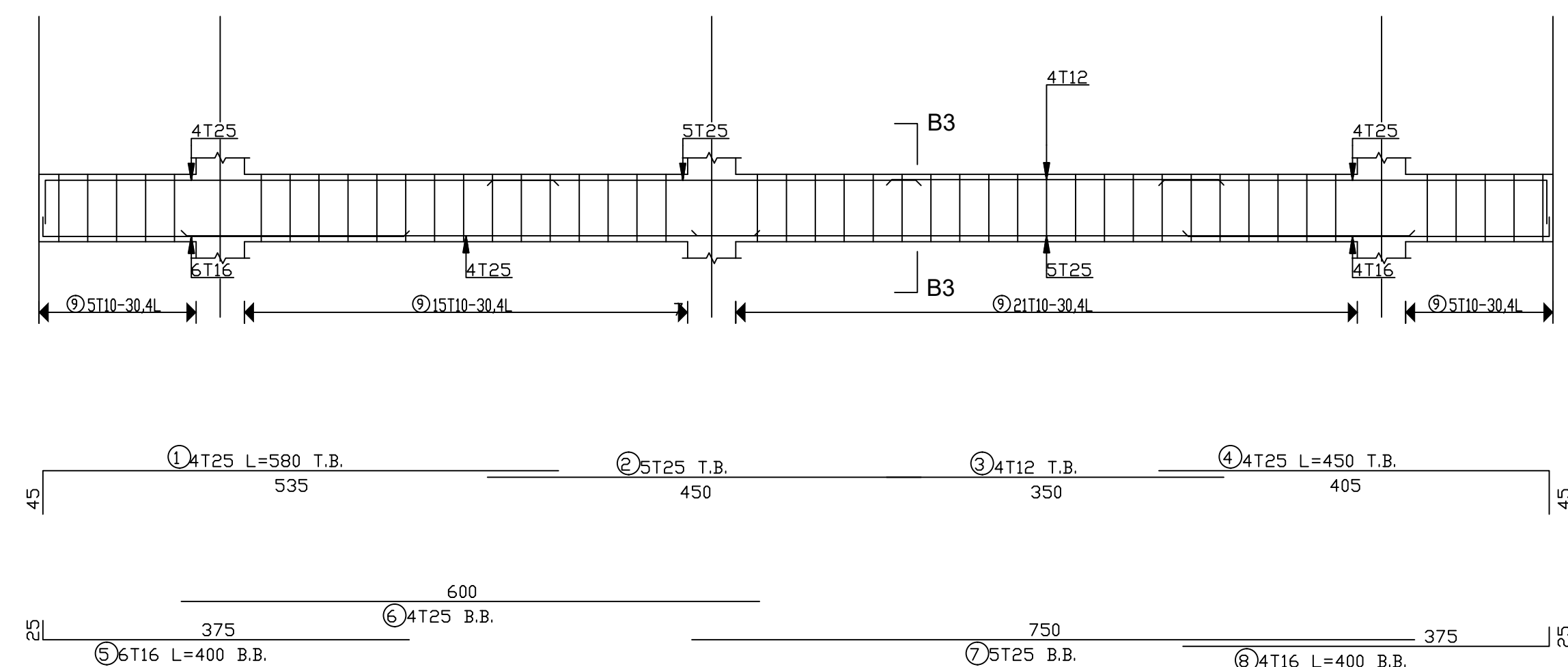
Section B2-B2
1:15



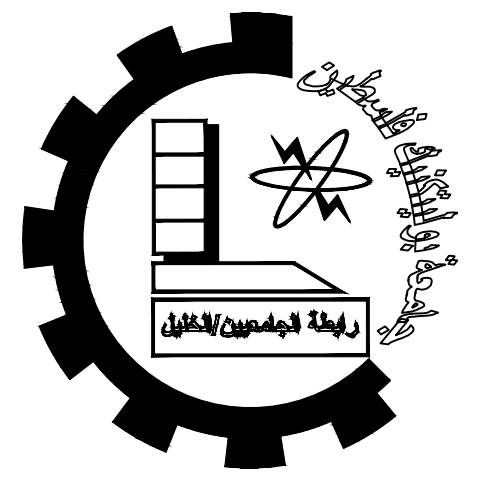
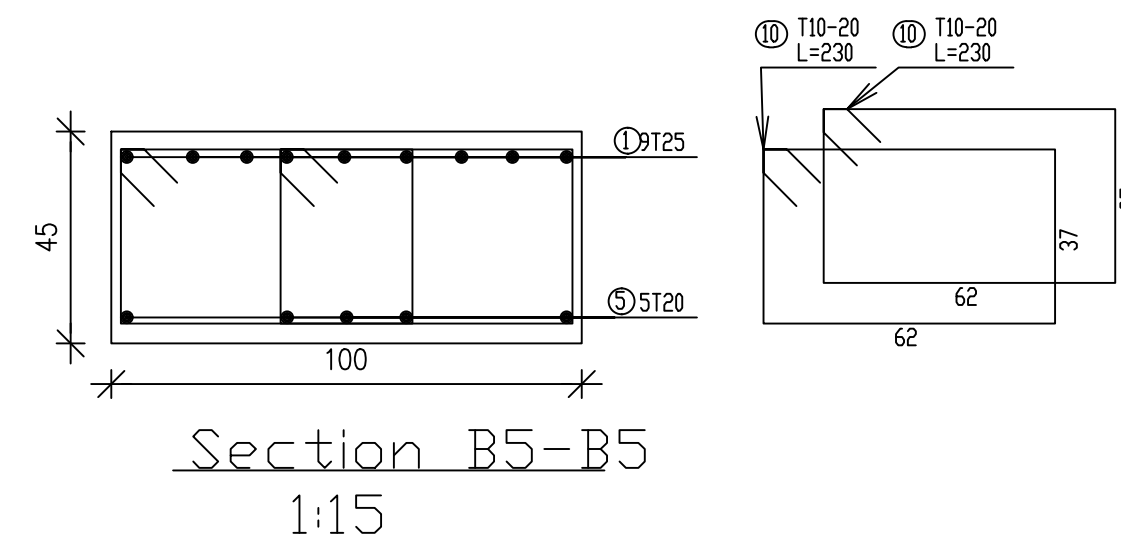
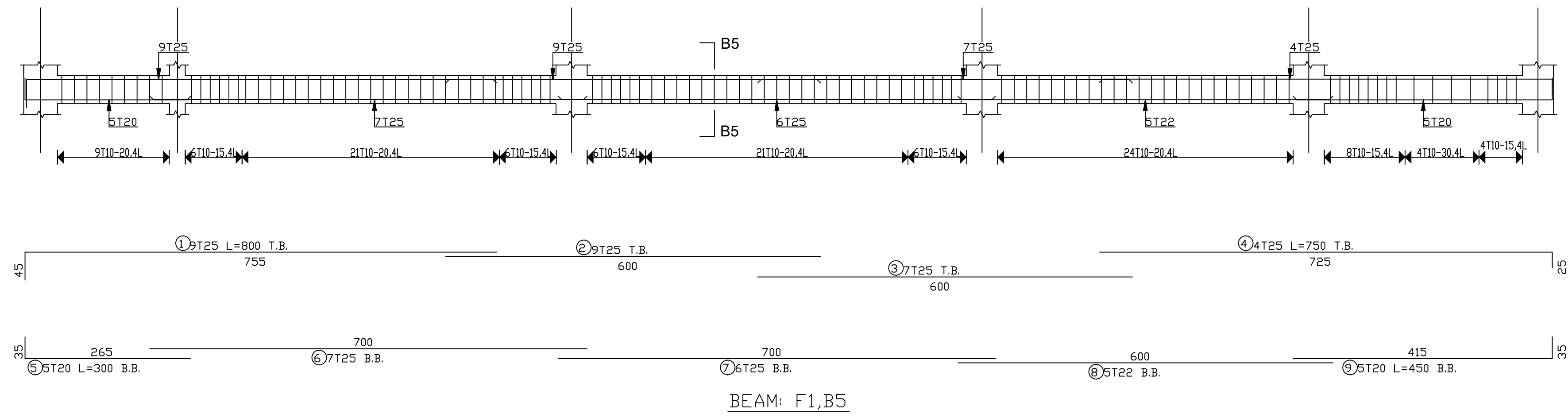
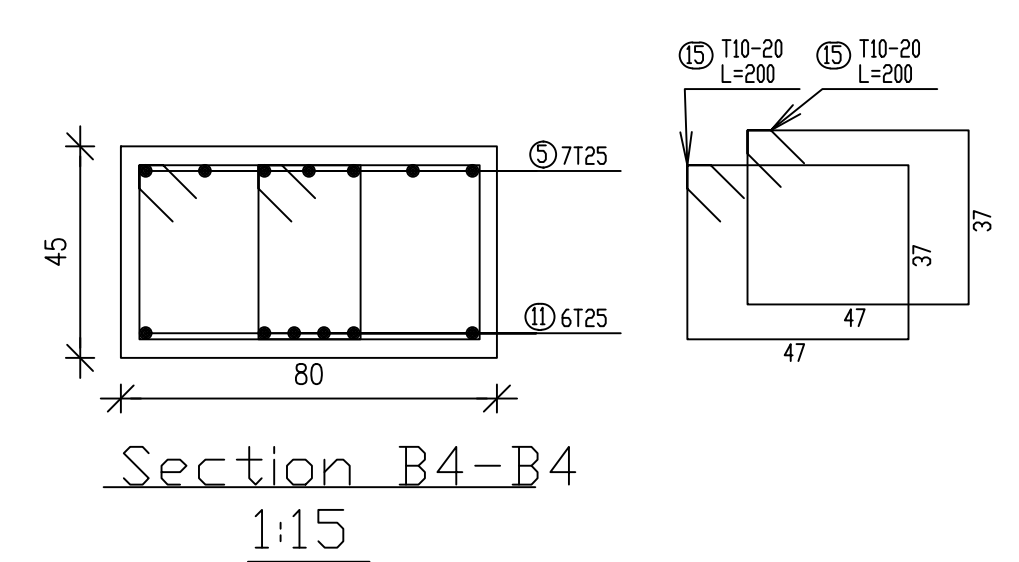
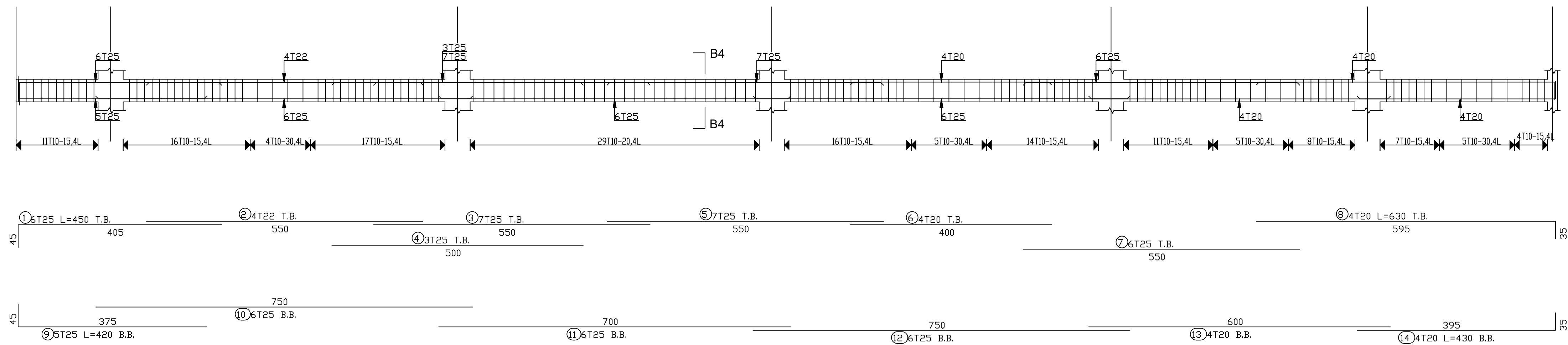
Beam: F1,B2



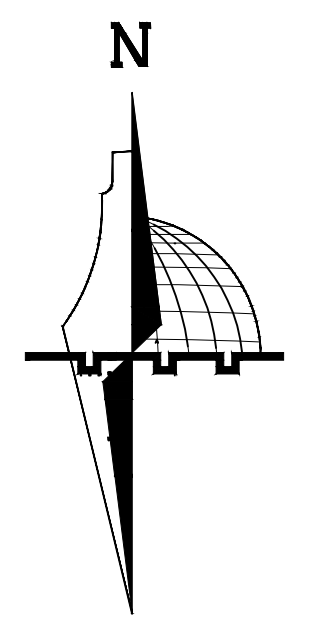
Section B3-B3
1:15



Beam: F1,B3



Palestine Polytechnic University
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Graduation Project
Structural Design For
Hebron Hotel



Legend :

- | | |
|--|--|
| ☐ Stone | ☐ Gravel |
| ☐ R.Concrete | ☐ Wood |
| ☐ Concrete | ☐ HEXAGONAL TILES |
| ☐ Hollow Block | ☐ BAKLAVA TILES |
| ☐ Isolating materials | ☐ GRASS |

DRAWING TITLE :

BEAMS REINFORCEMENT

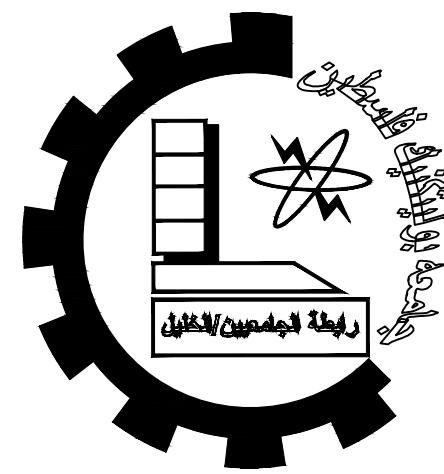
Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S48	21/05/2023



Palestine Polytechnic University

College of Engineering

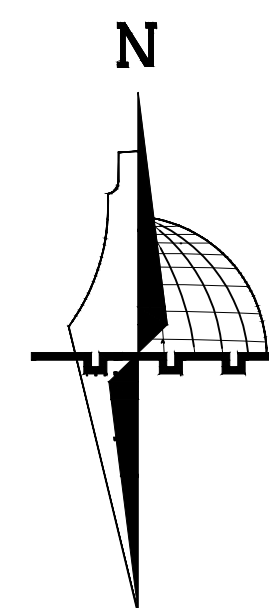
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materials		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

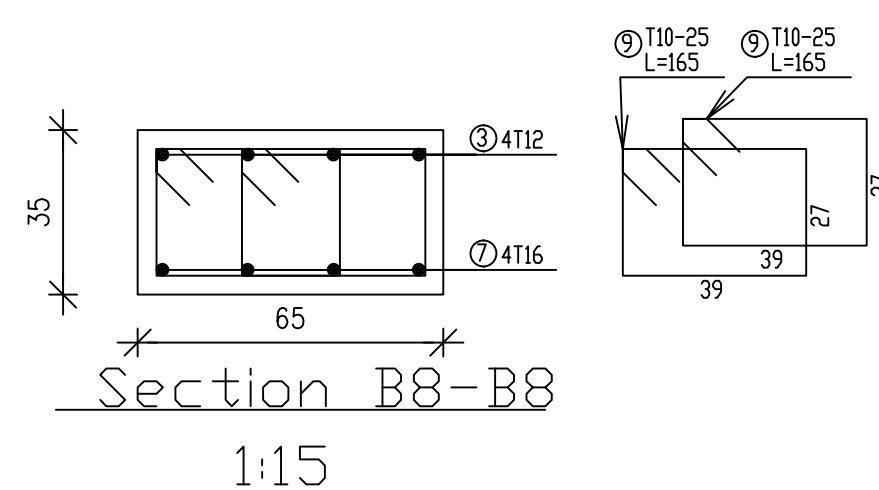
Done by :

Mohammad AbuZahra

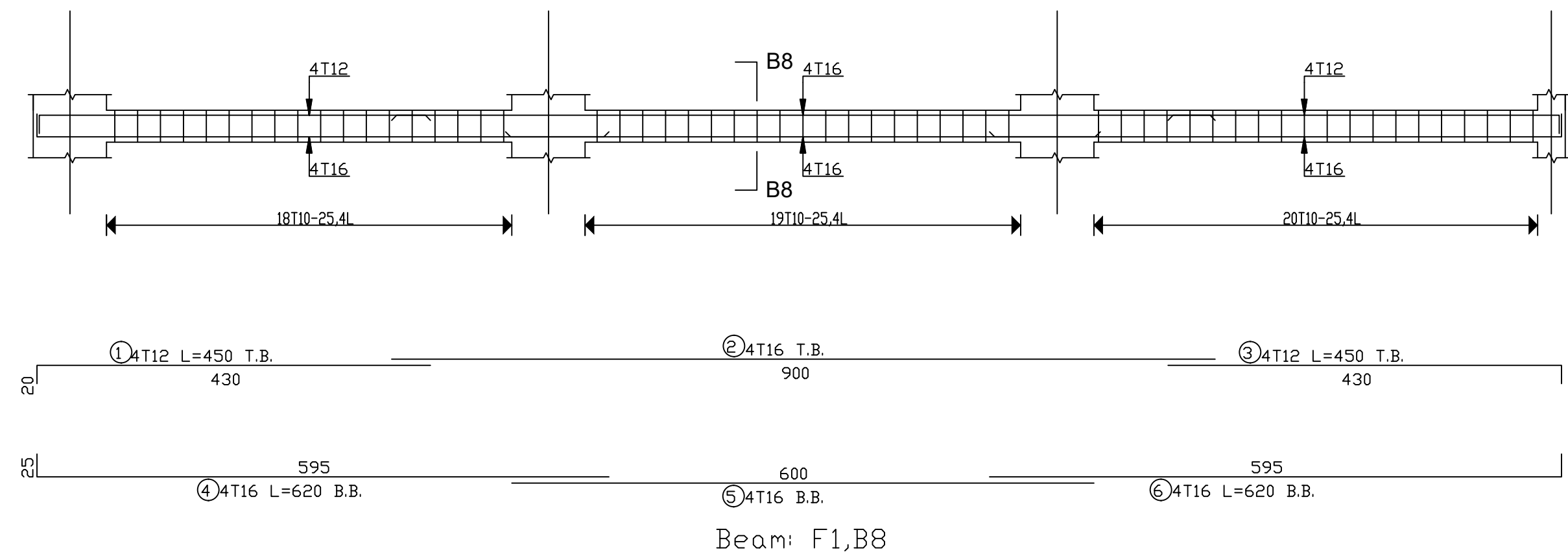
Sadam AbuQbete

Mohammad Nawajaa

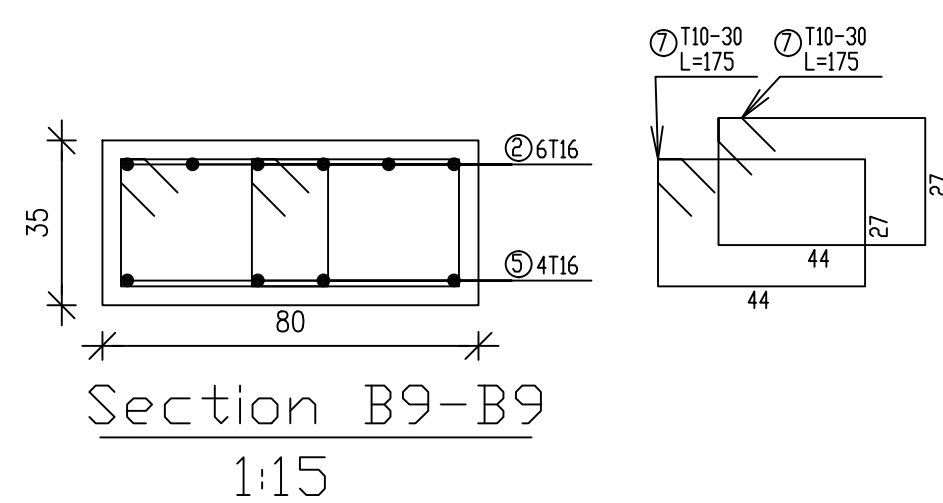
SCALE	No. of DRAW	DATE
1/100	S50	21/05/2023



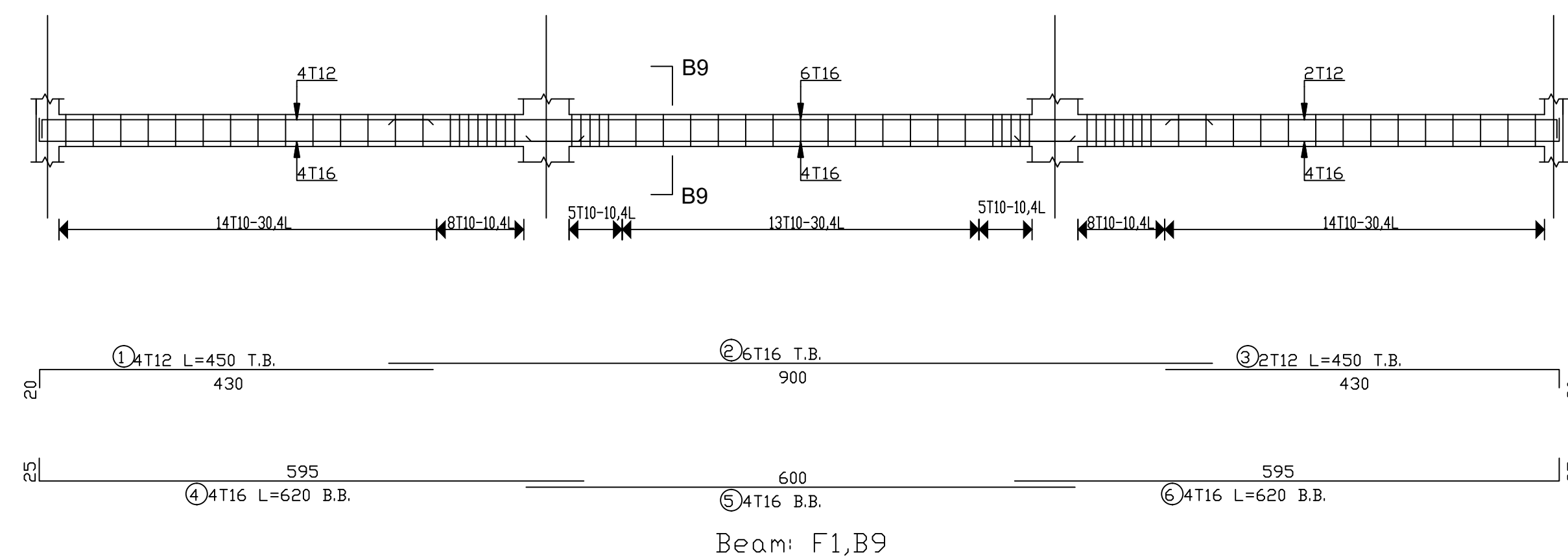
Section B8-B8
1:15



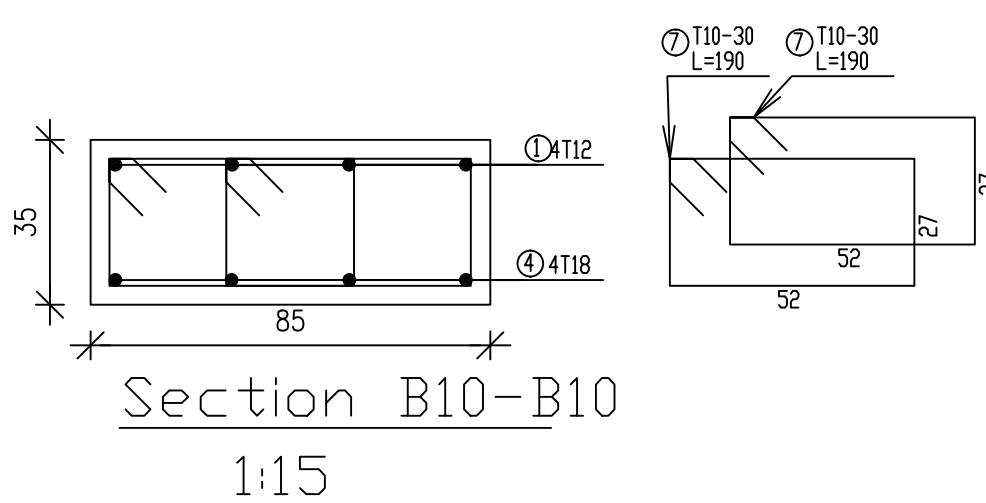
Beam: F1,B8



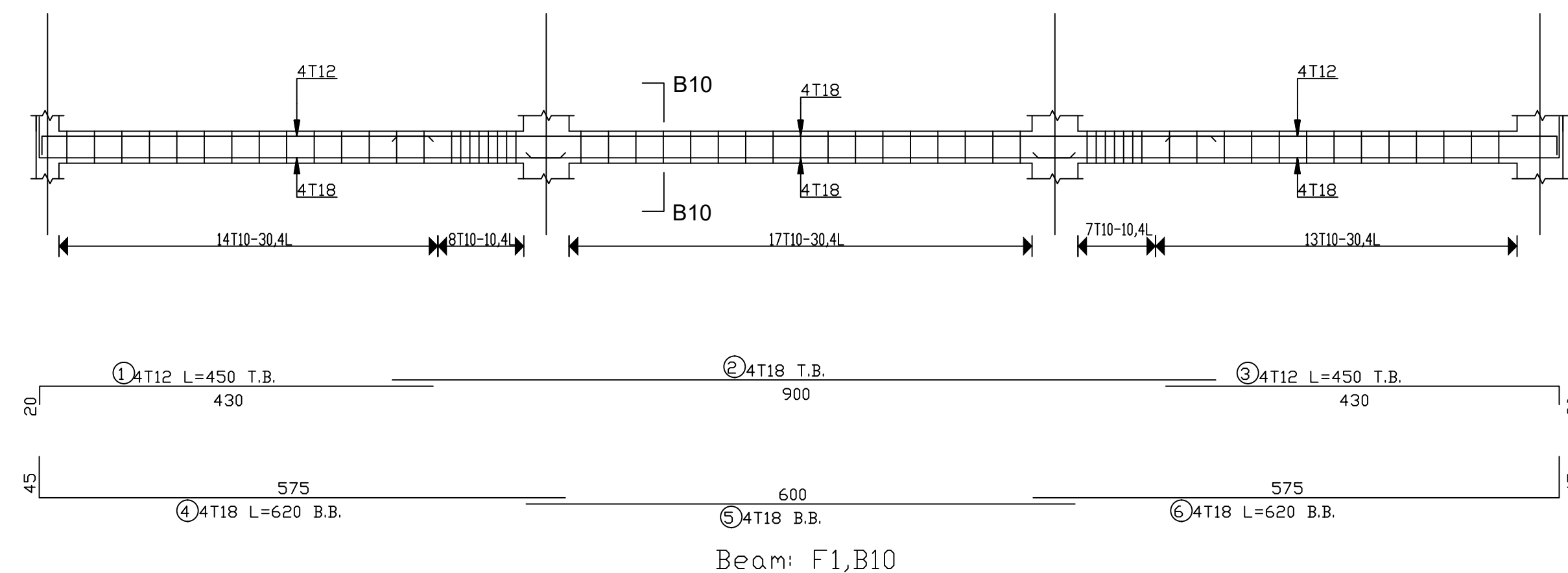
Section B9-B9
1:15



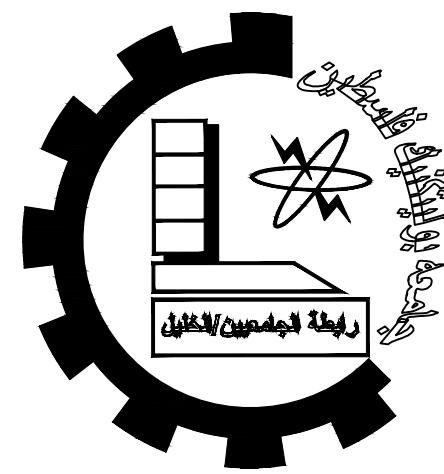
Beam: F1,B9



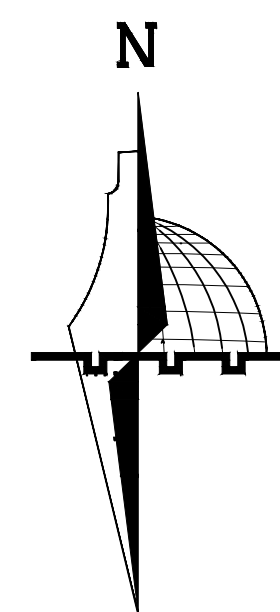
Section B10-B10
1:15



Beam: F1,B10



Palestine Polytechnic University
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Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materials		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

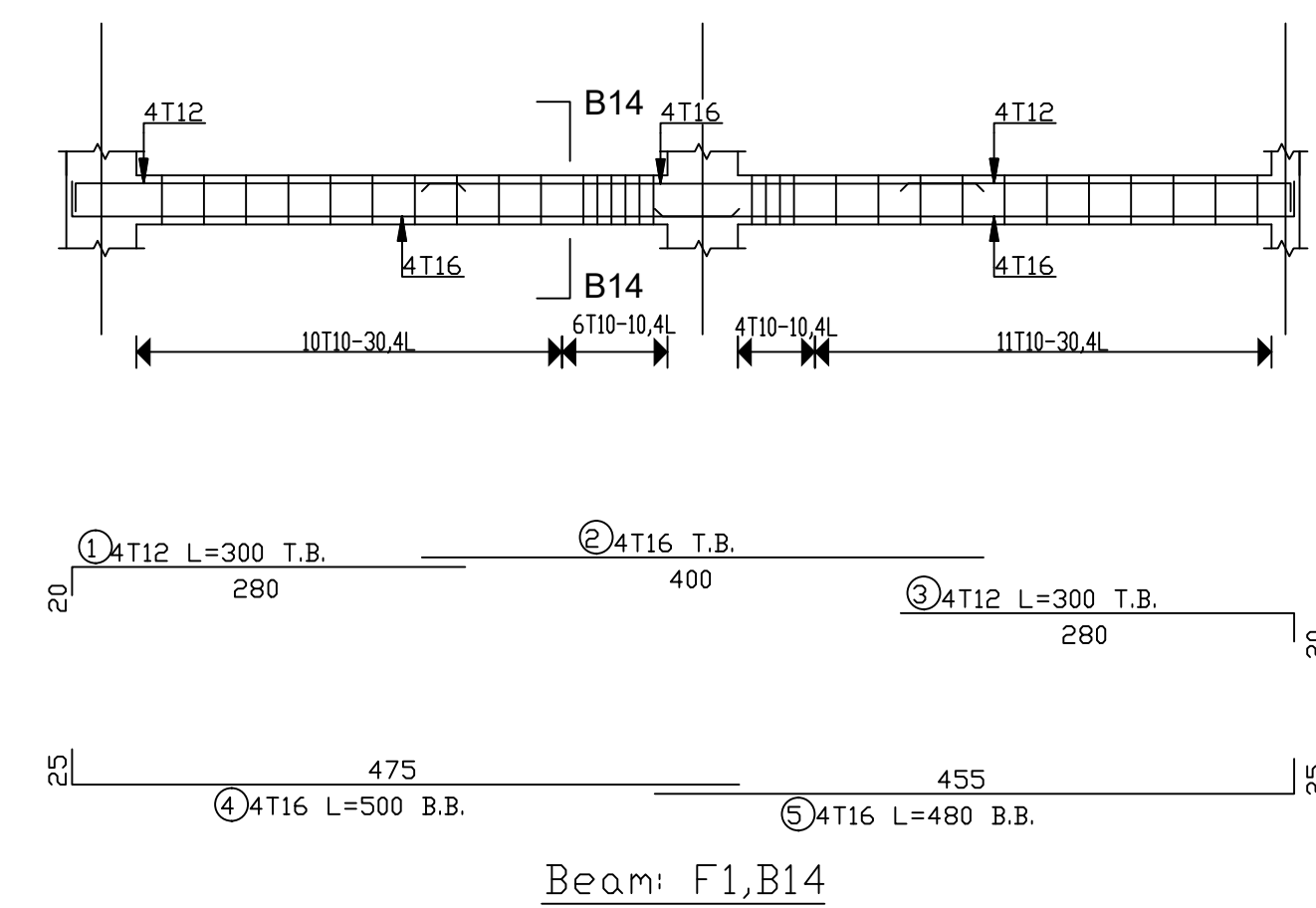
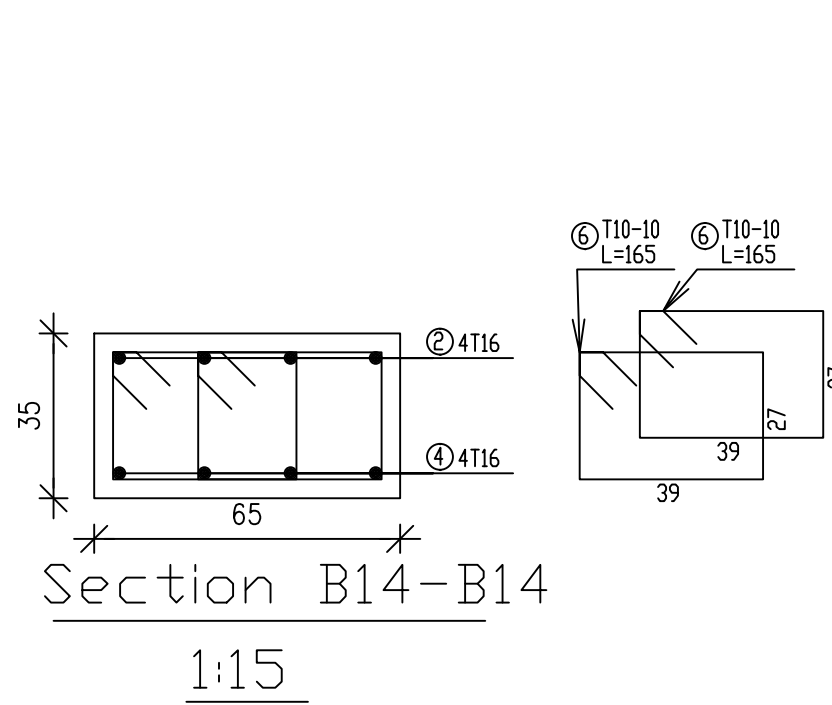
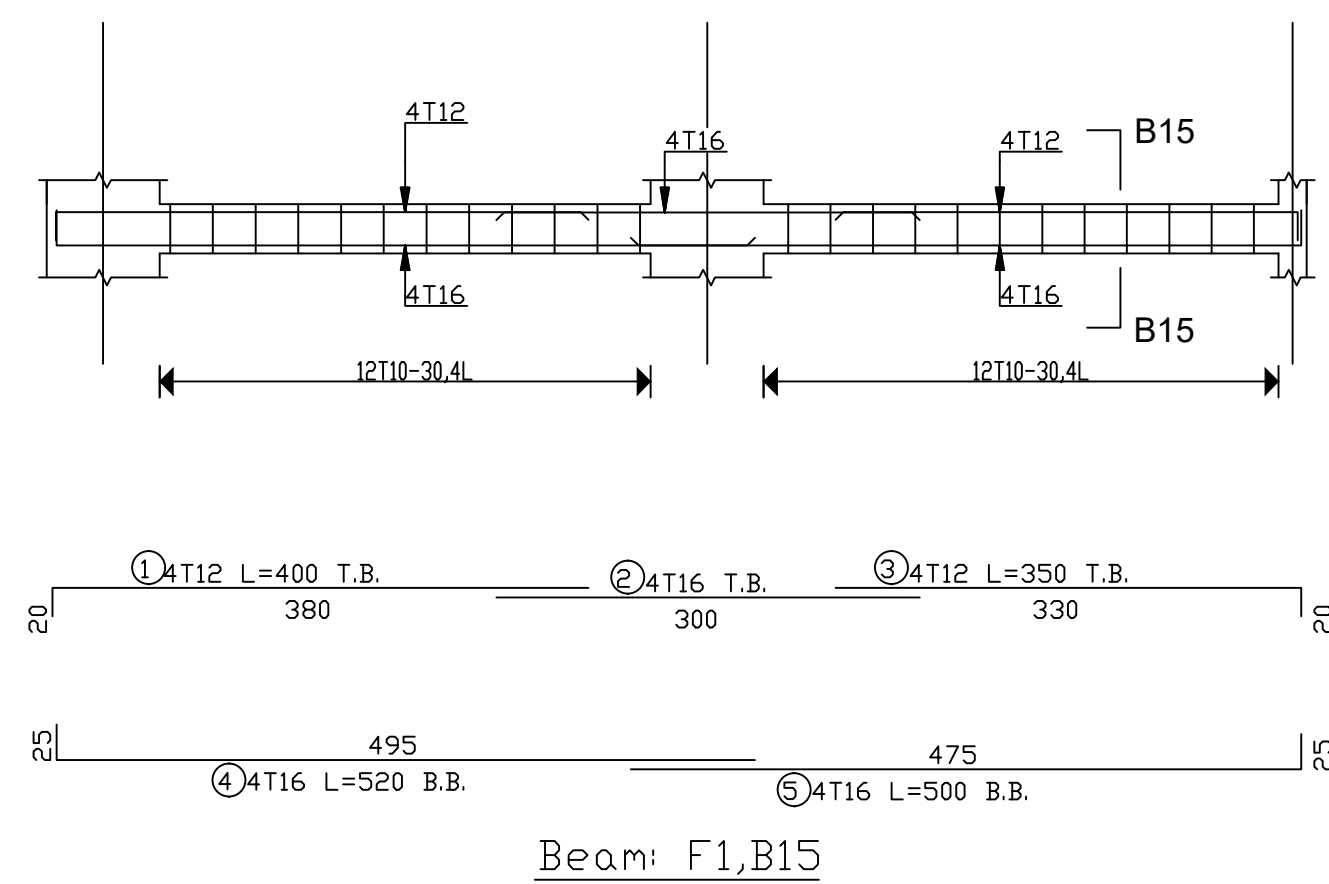
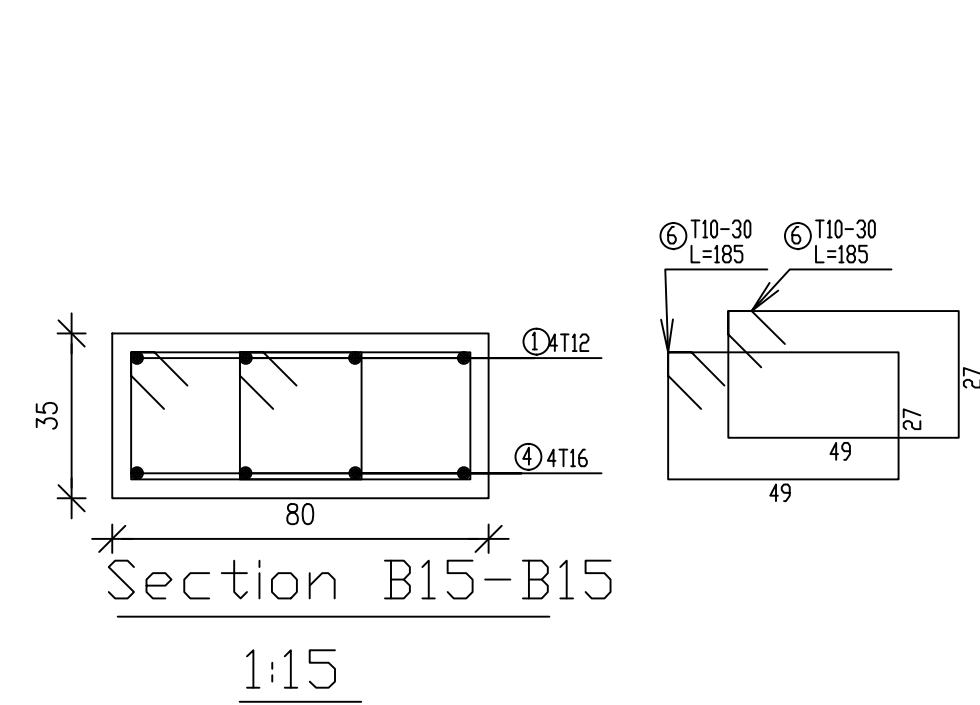
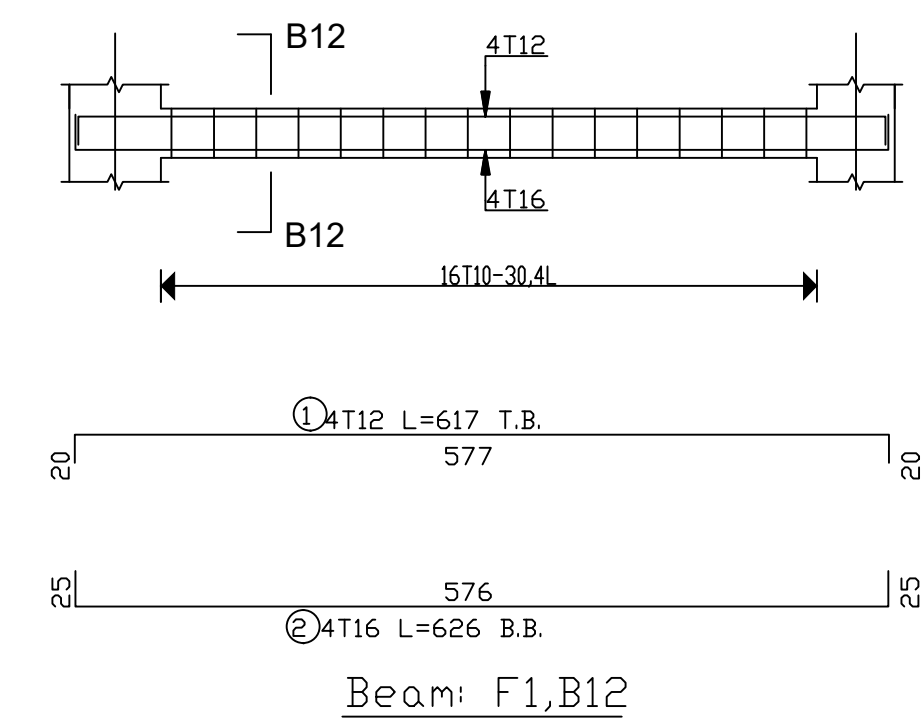
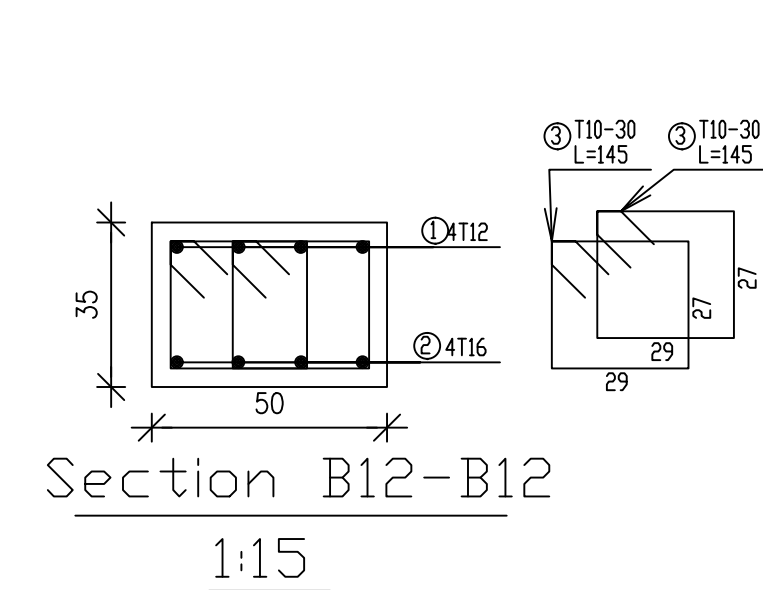
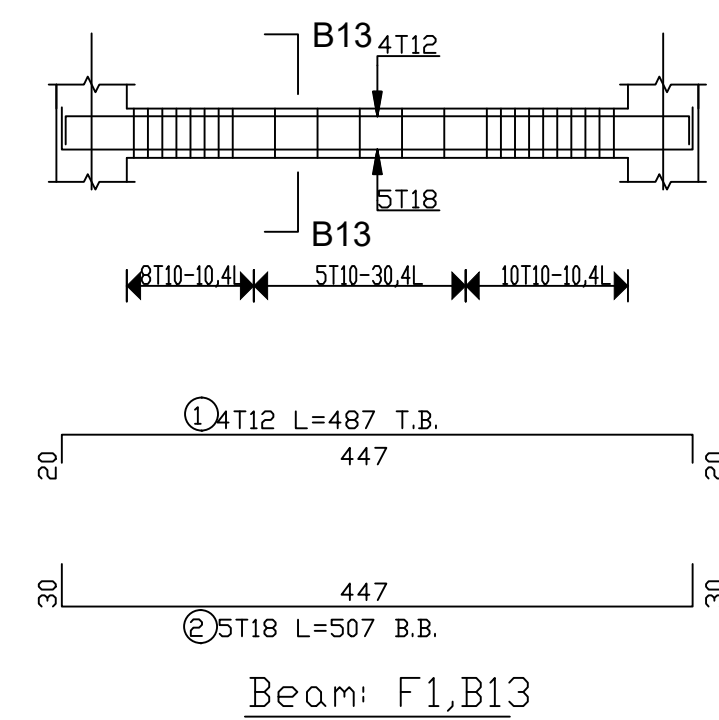
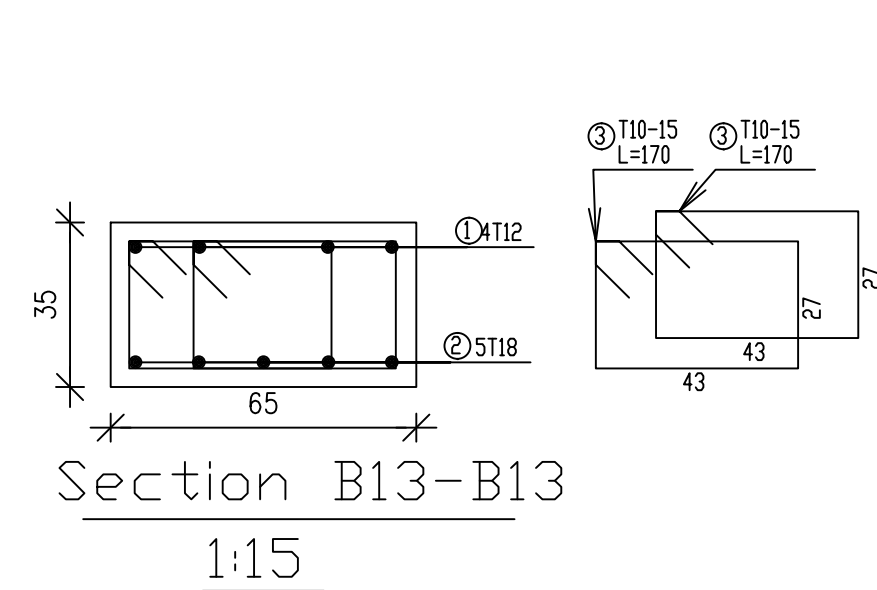
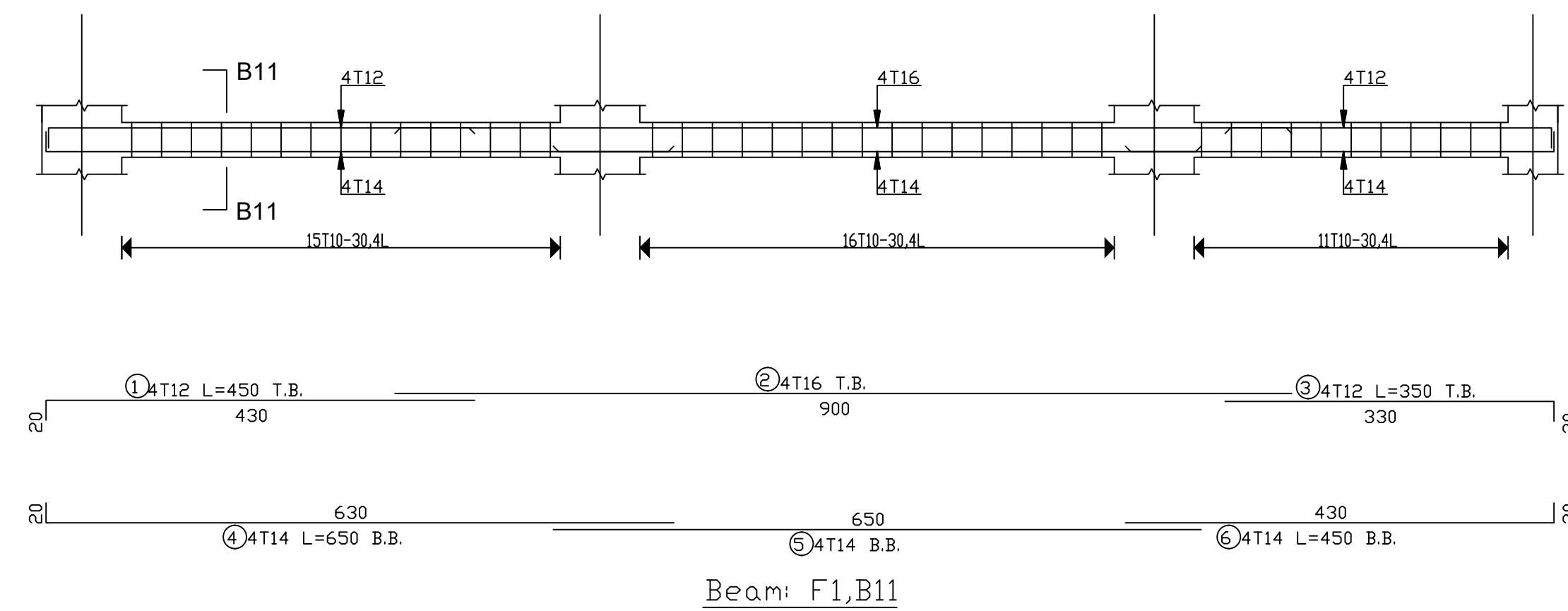
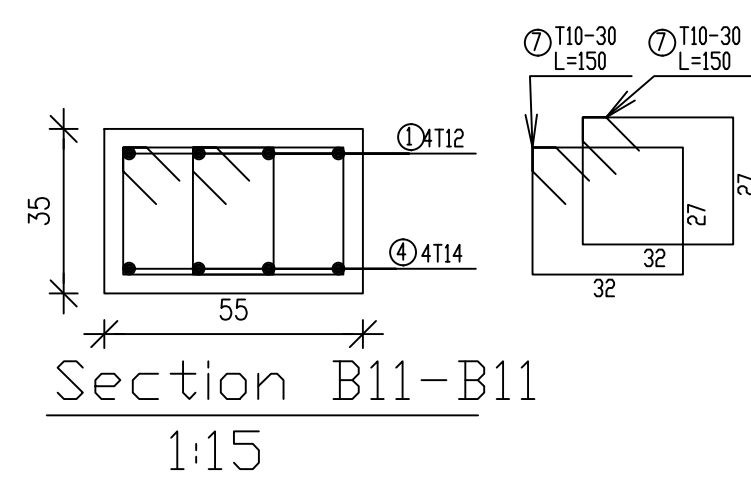
Supervisor

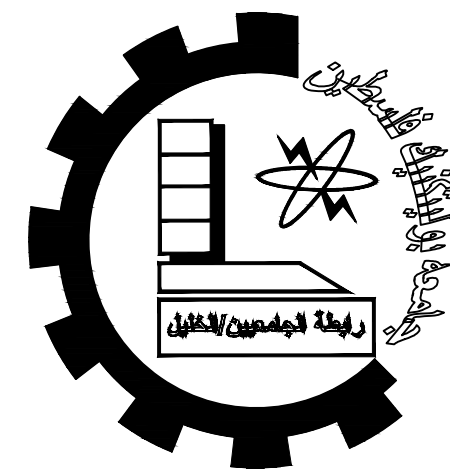
Dr.Hamdi idais.

Done by :

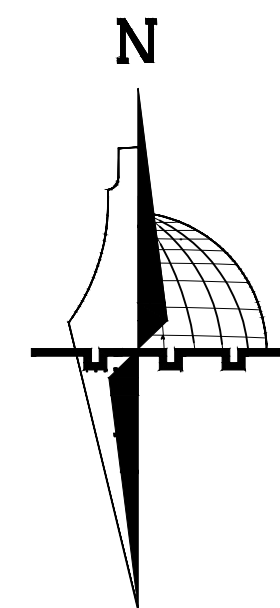
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S51	21/05/2023





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
Graduation Project
Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

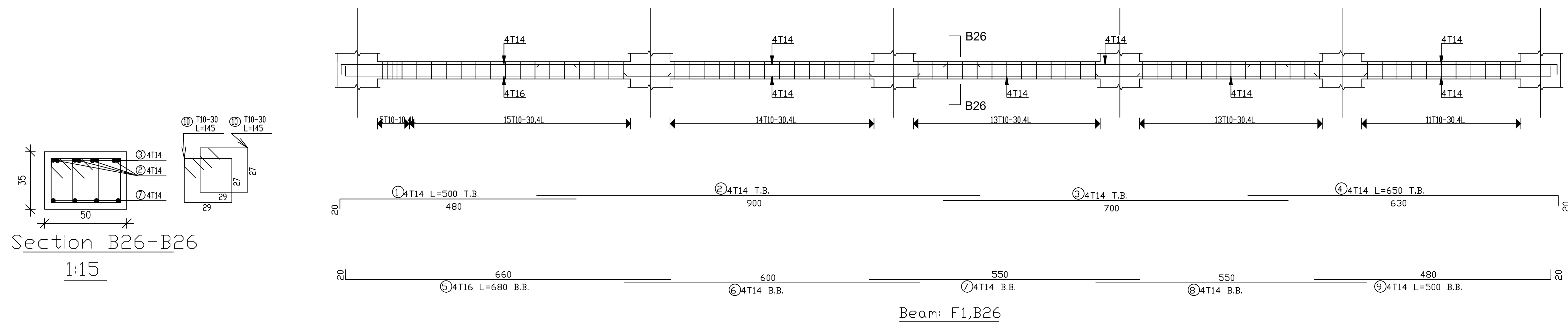
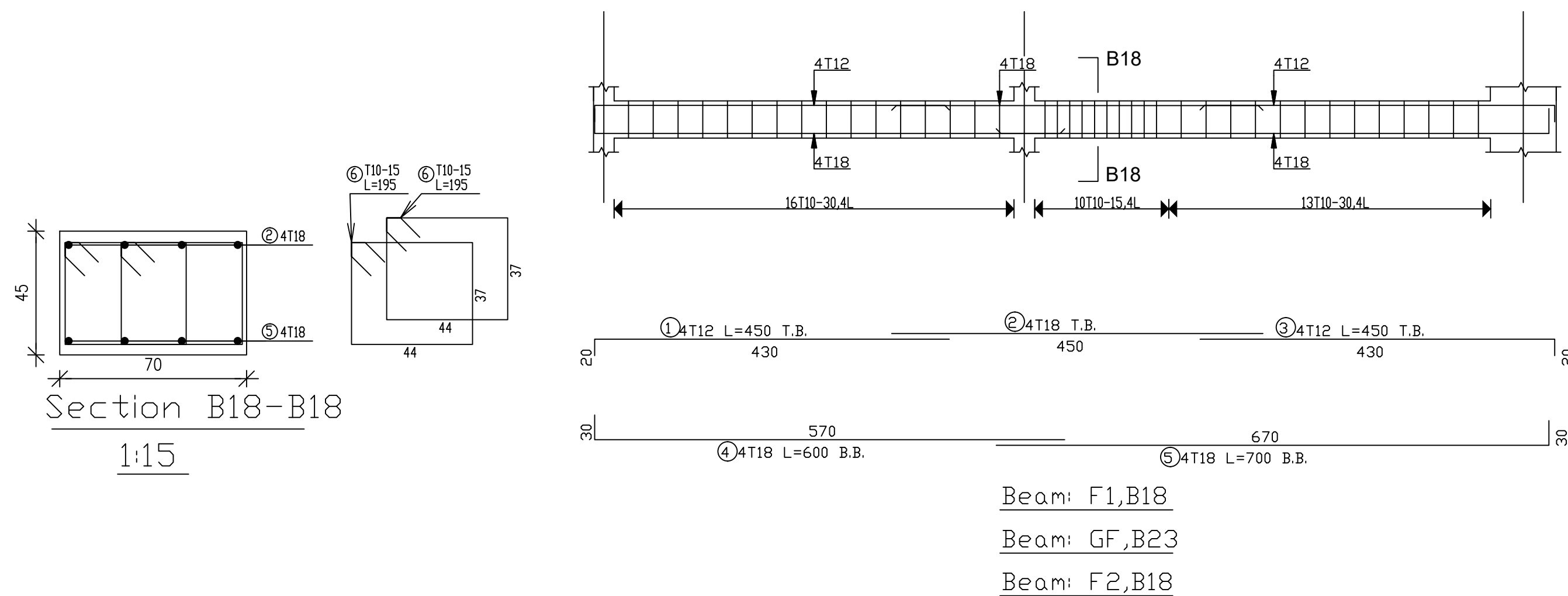
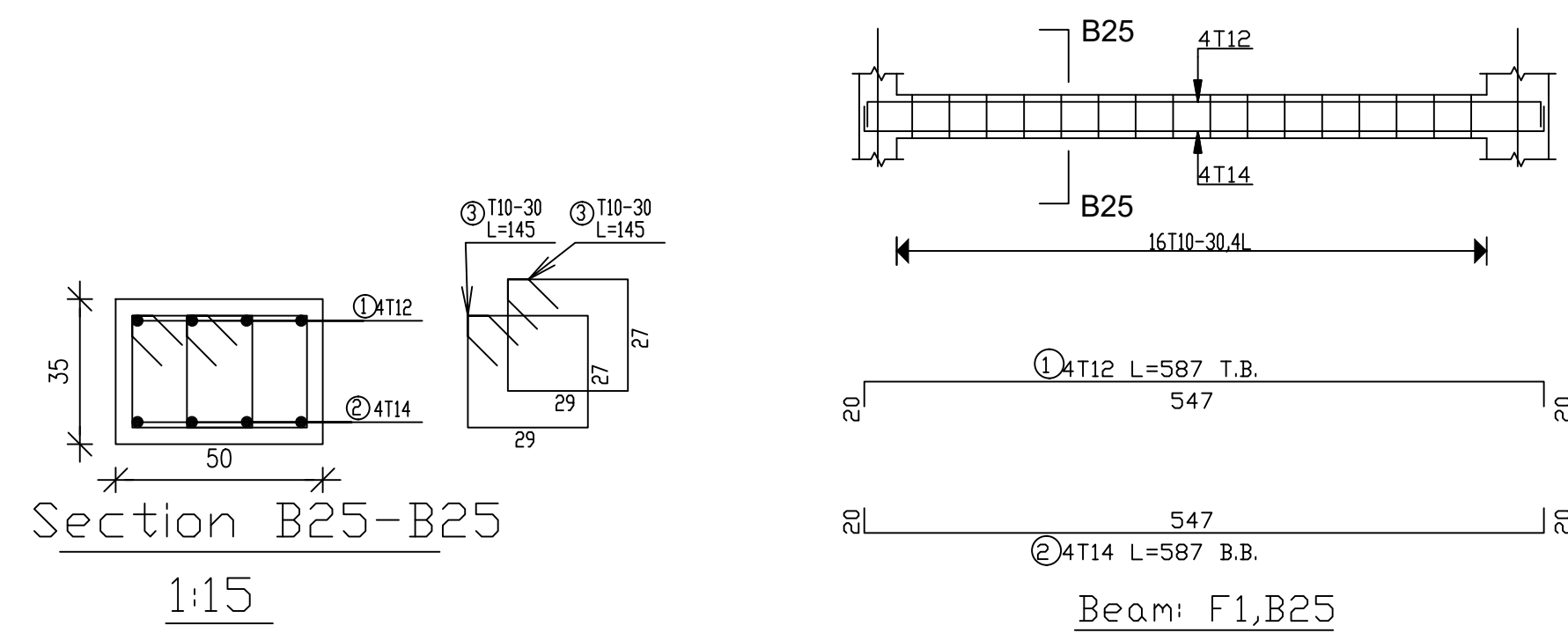
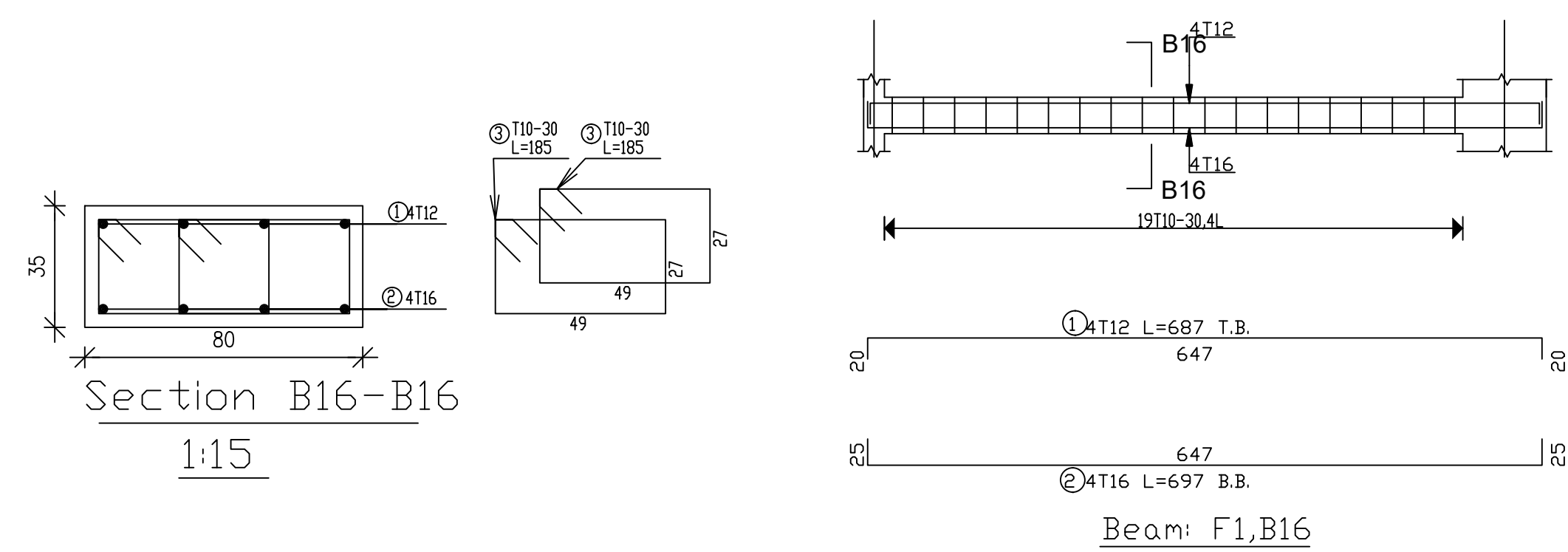
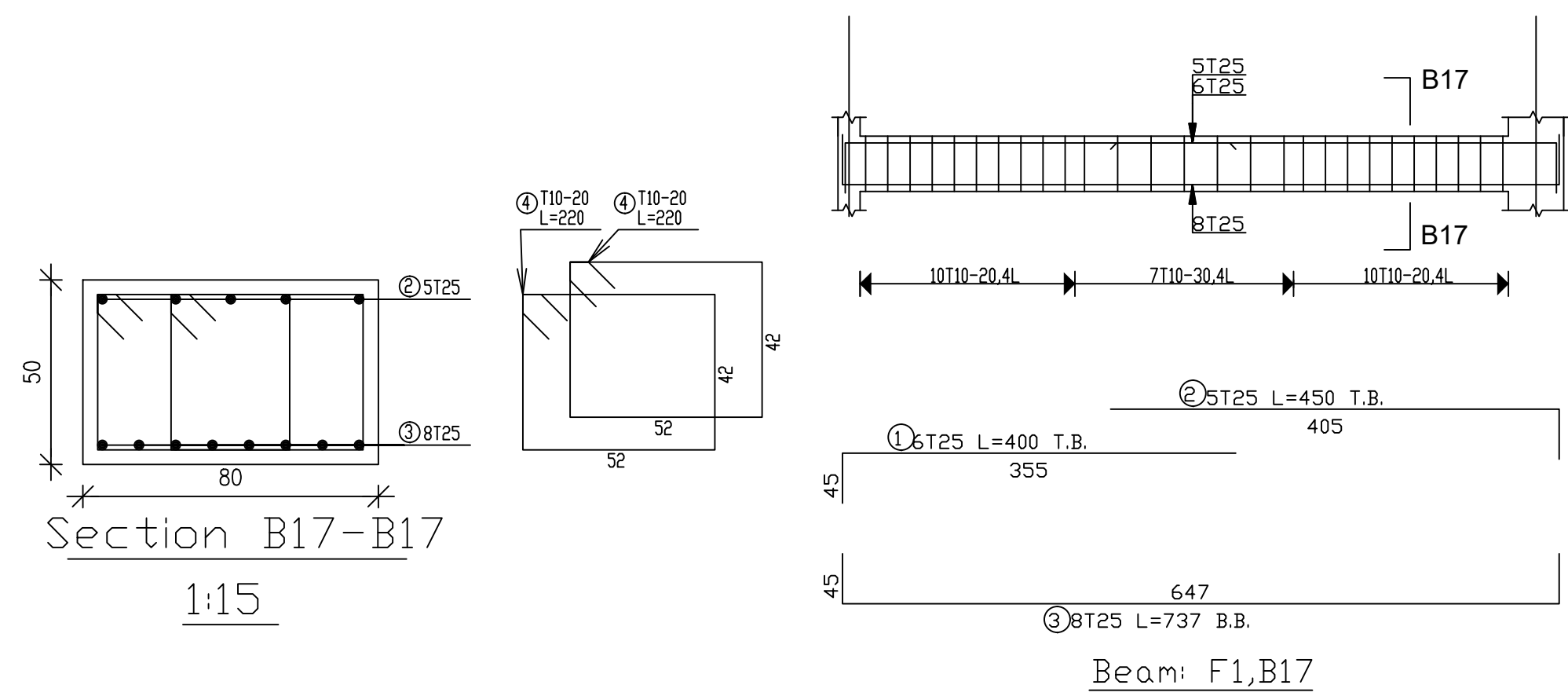
Supervisor

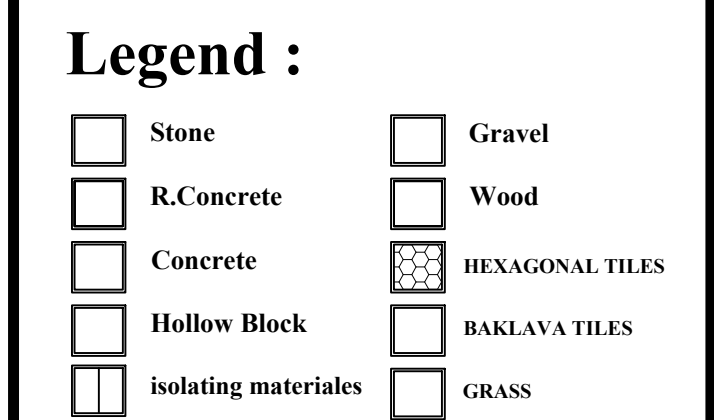
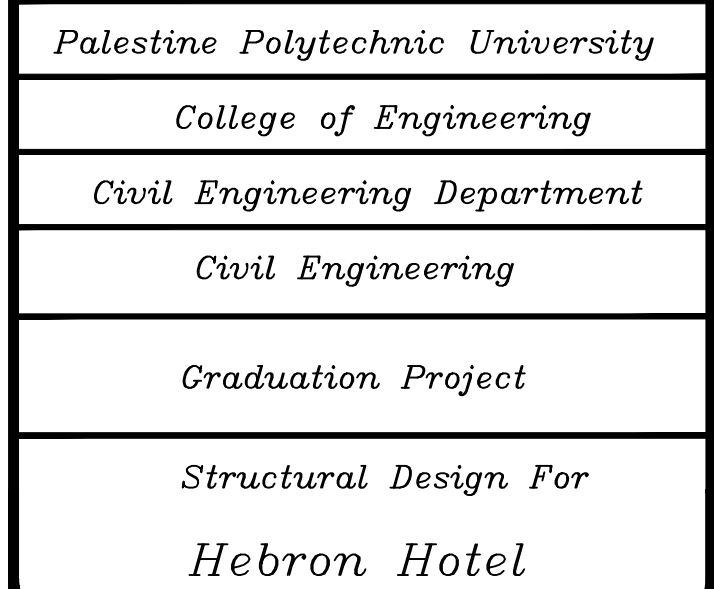
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S52	21/05/2023

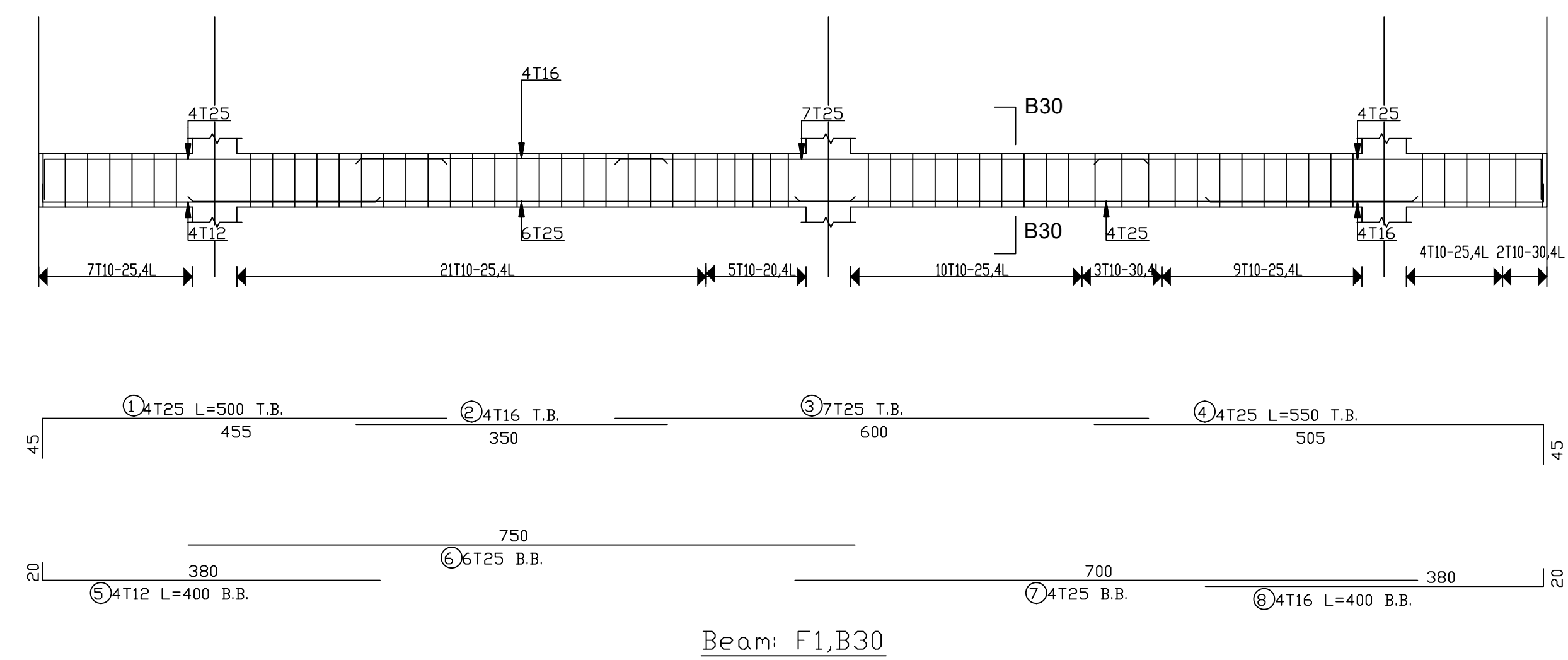
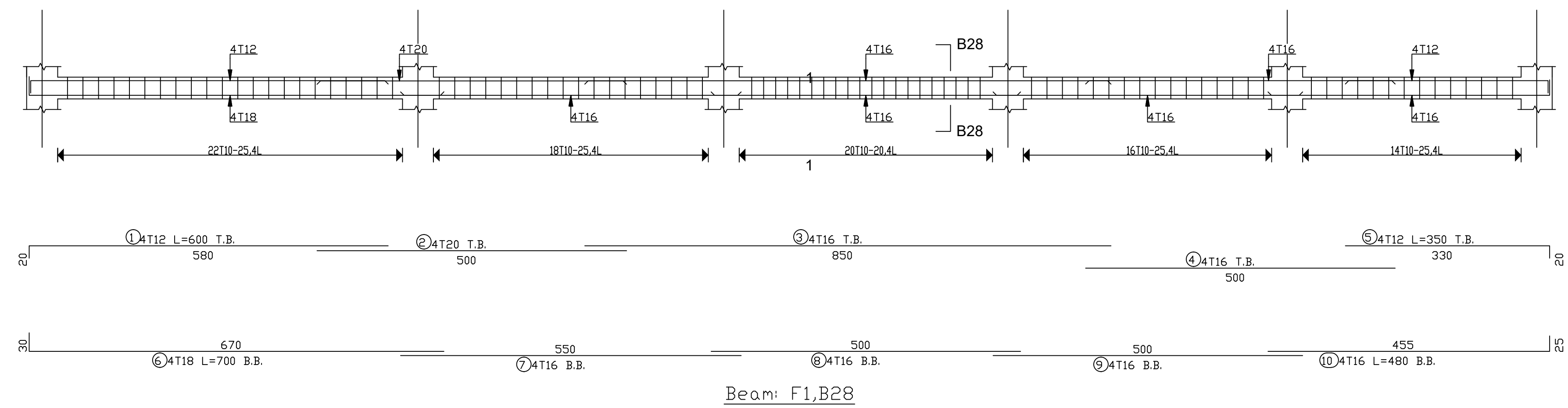
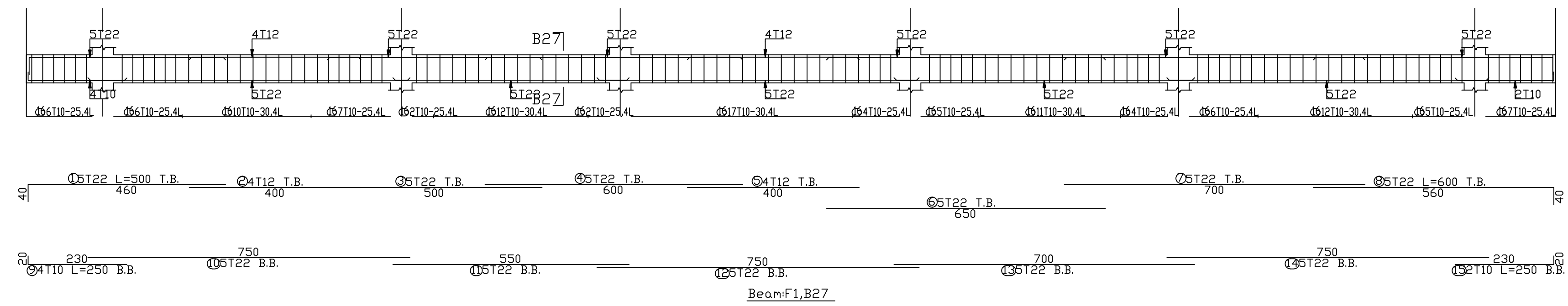


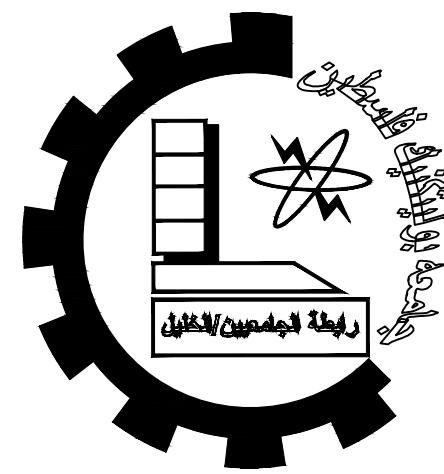


Supervisor
Dr.Hamdi idais.

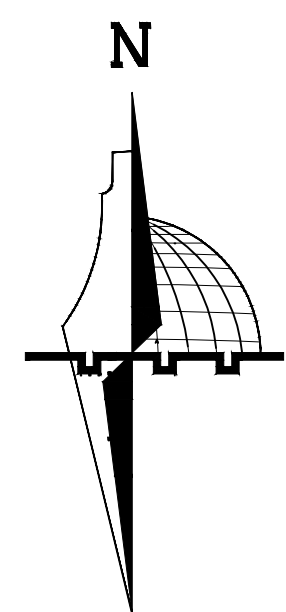
Done by :
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S53</i>	<i>21/05/2023</i>





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
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Graduation Project
Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

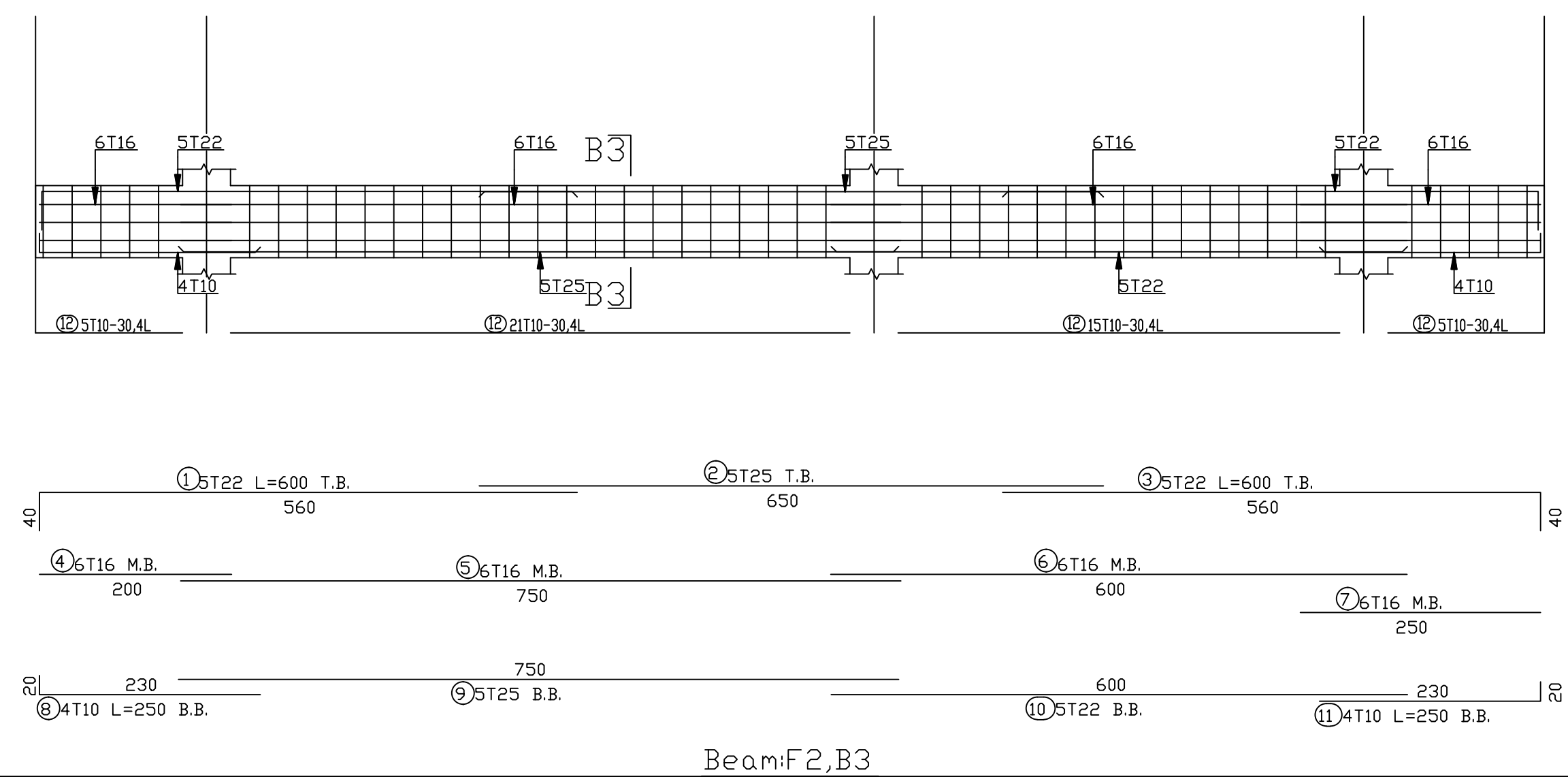
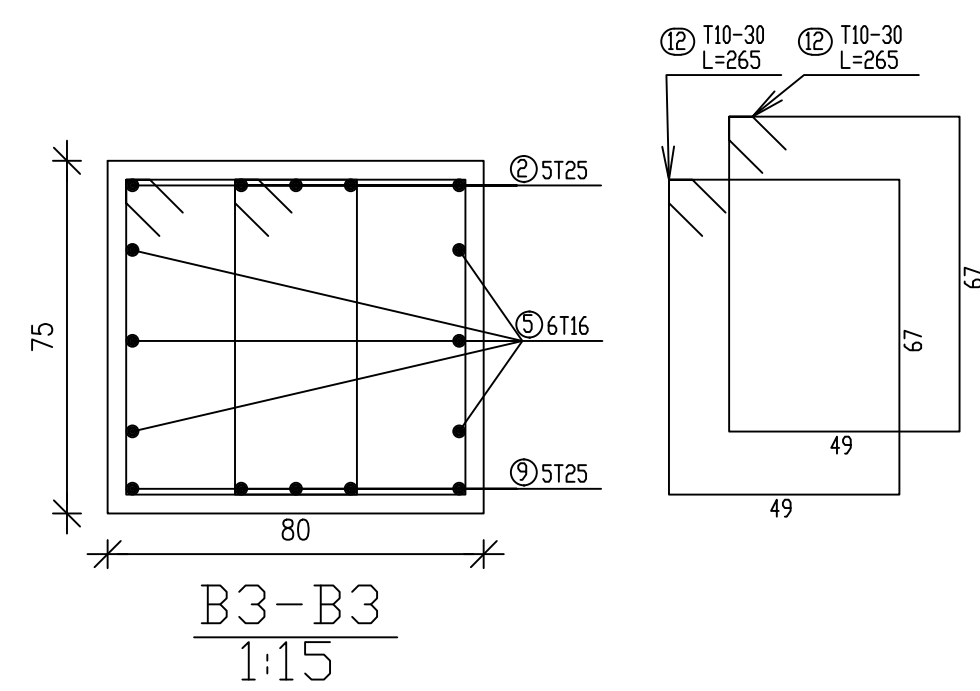
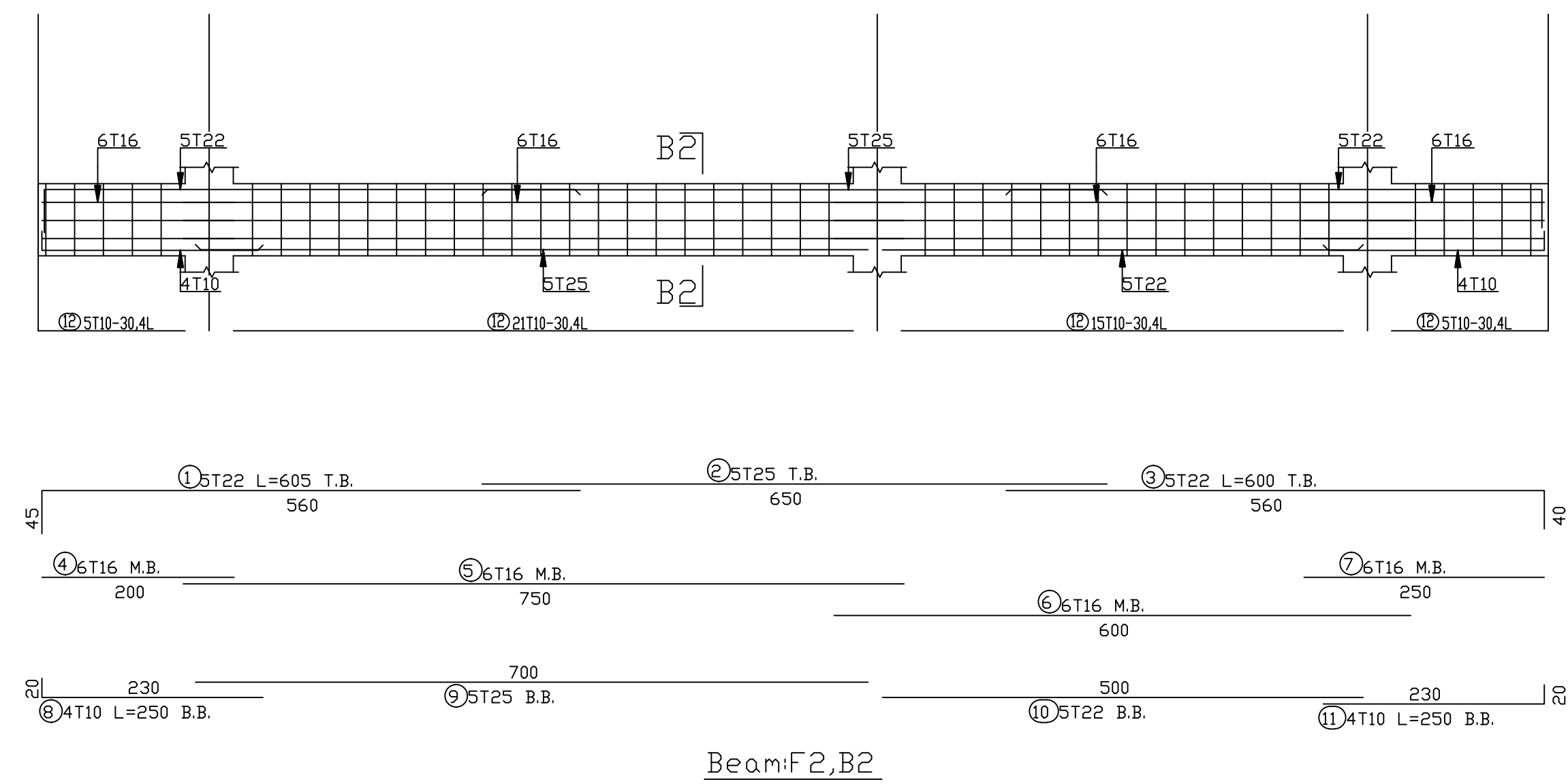
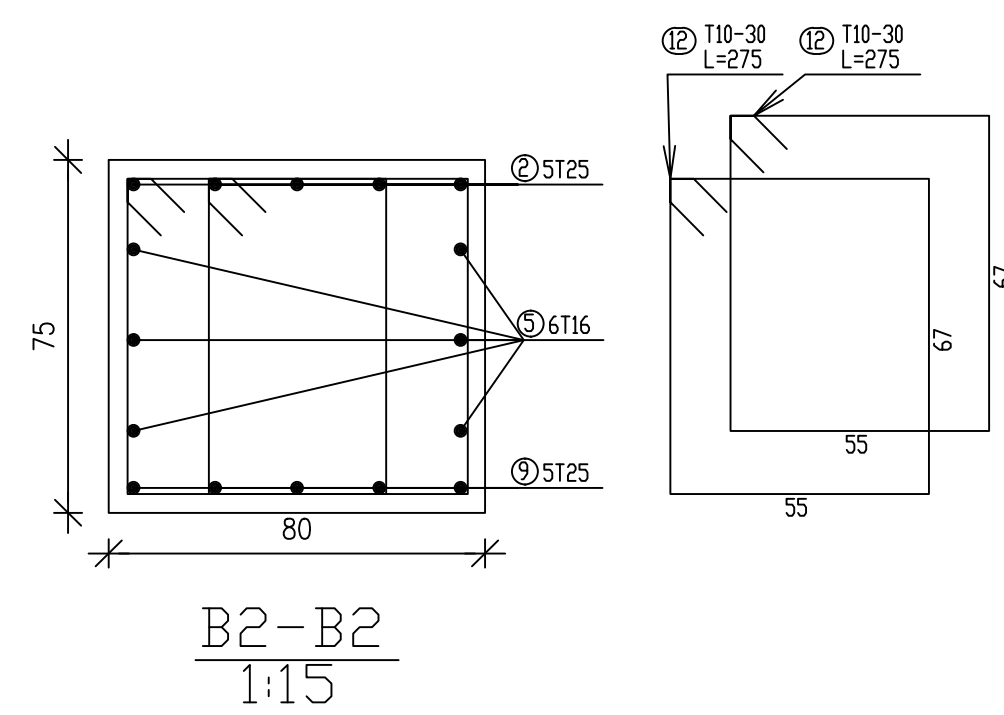
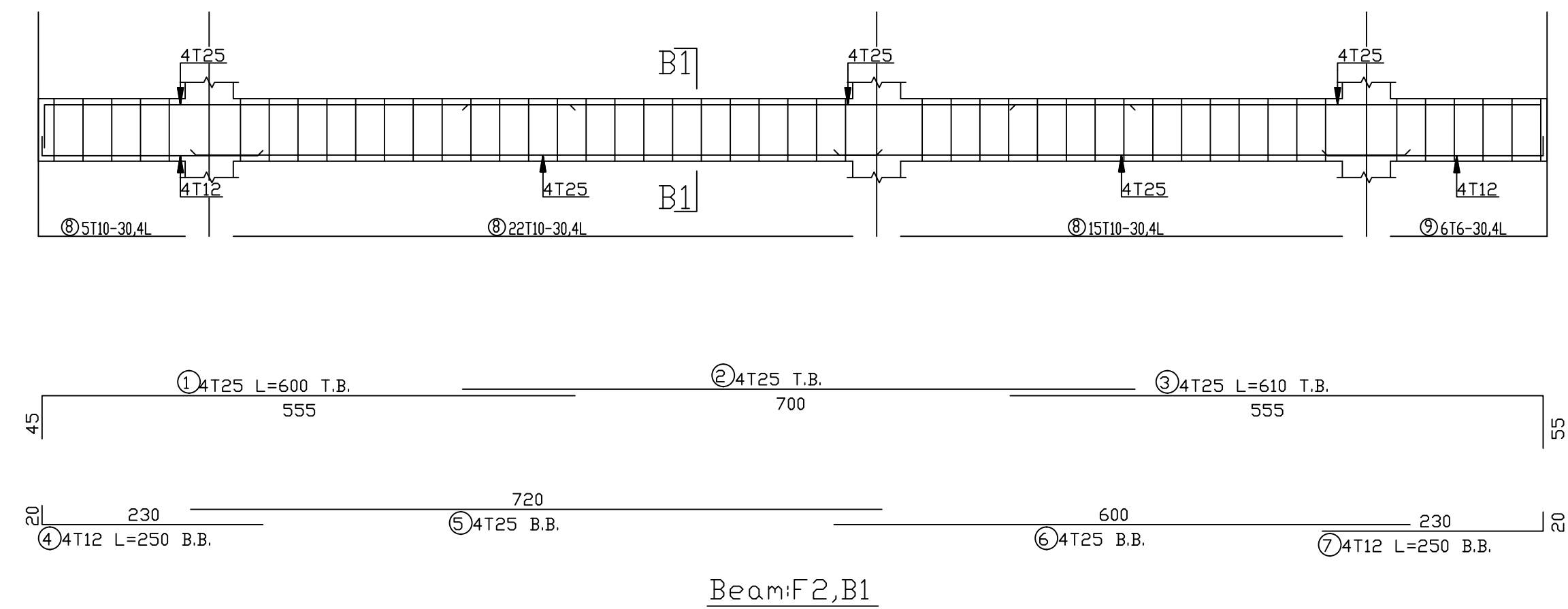
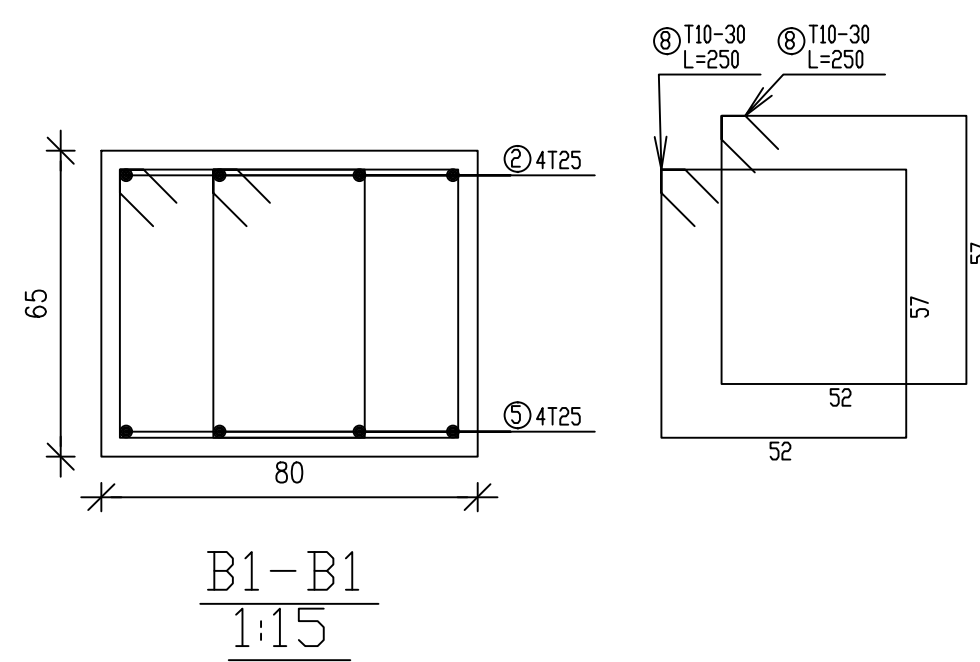
Supervisor

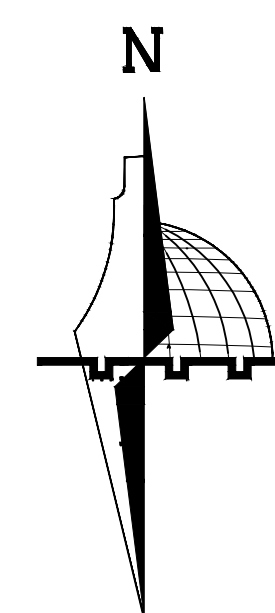
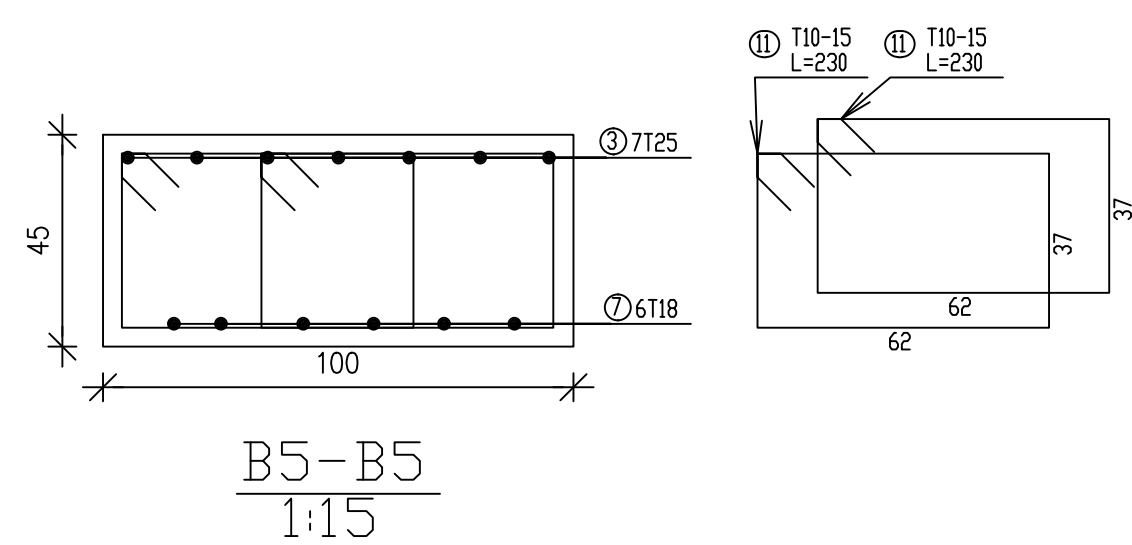
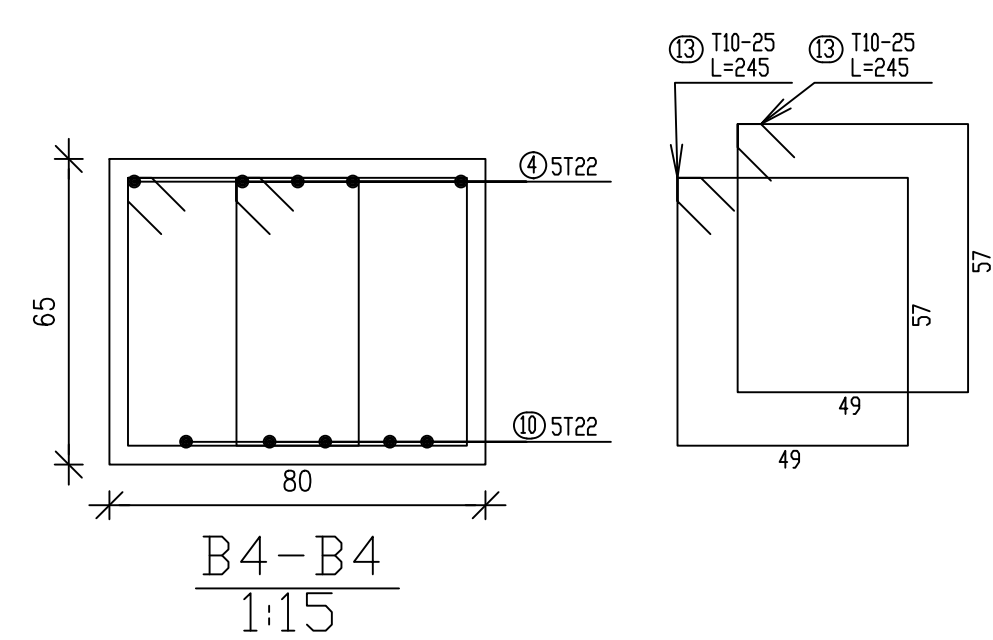
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S54	21/05/2023





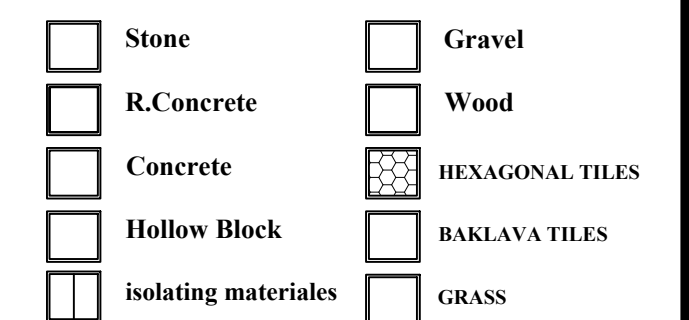
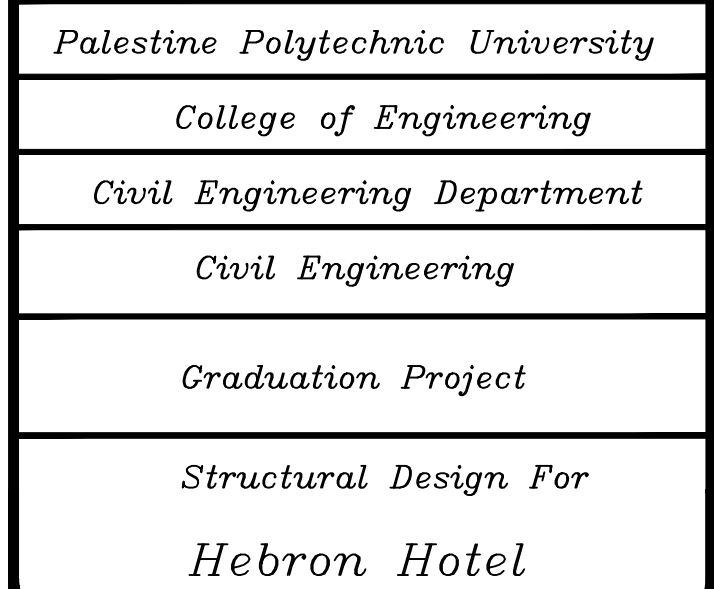
	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materials		GRASS

BEAMS REINFORCEMENT

Dr.Hamdi idais.

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S55	21/05/2023



DRAWING TITLE :

BEAMS REINFORCEMENT

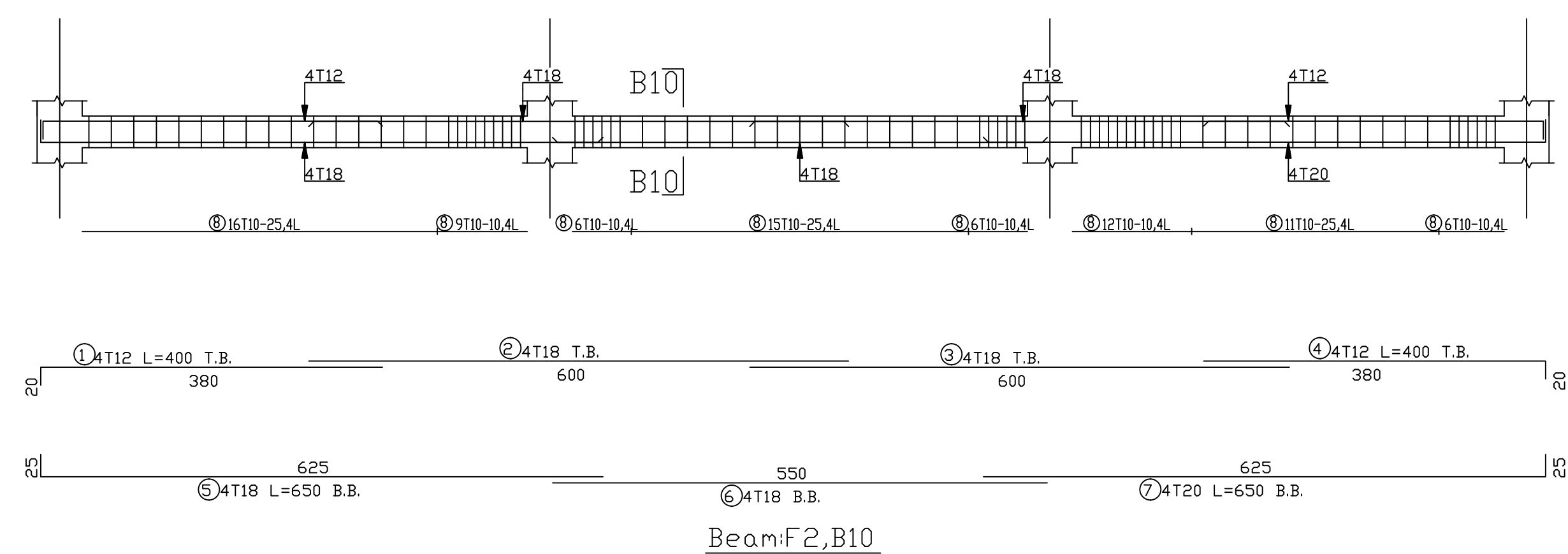
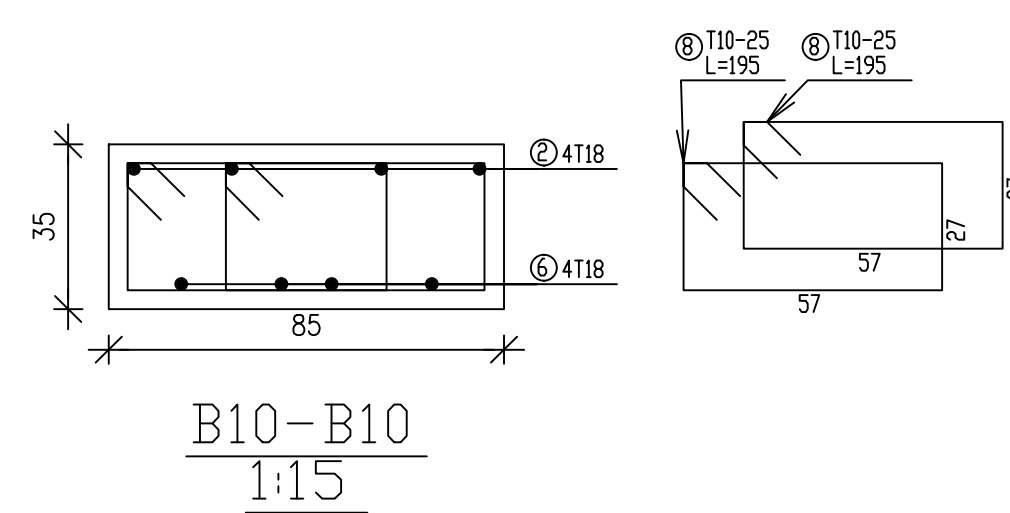
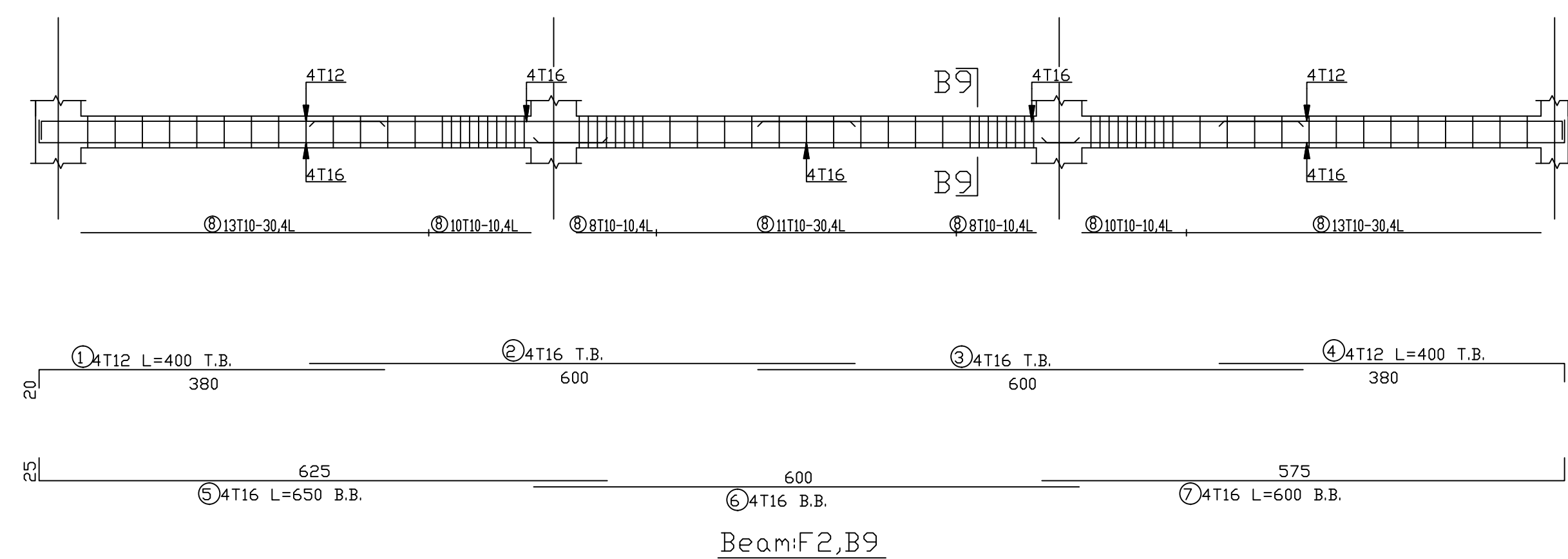
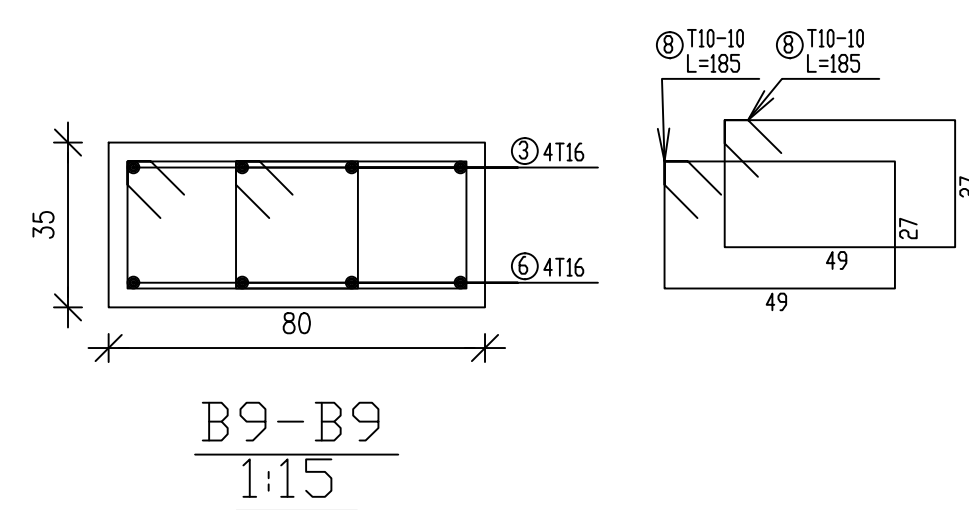
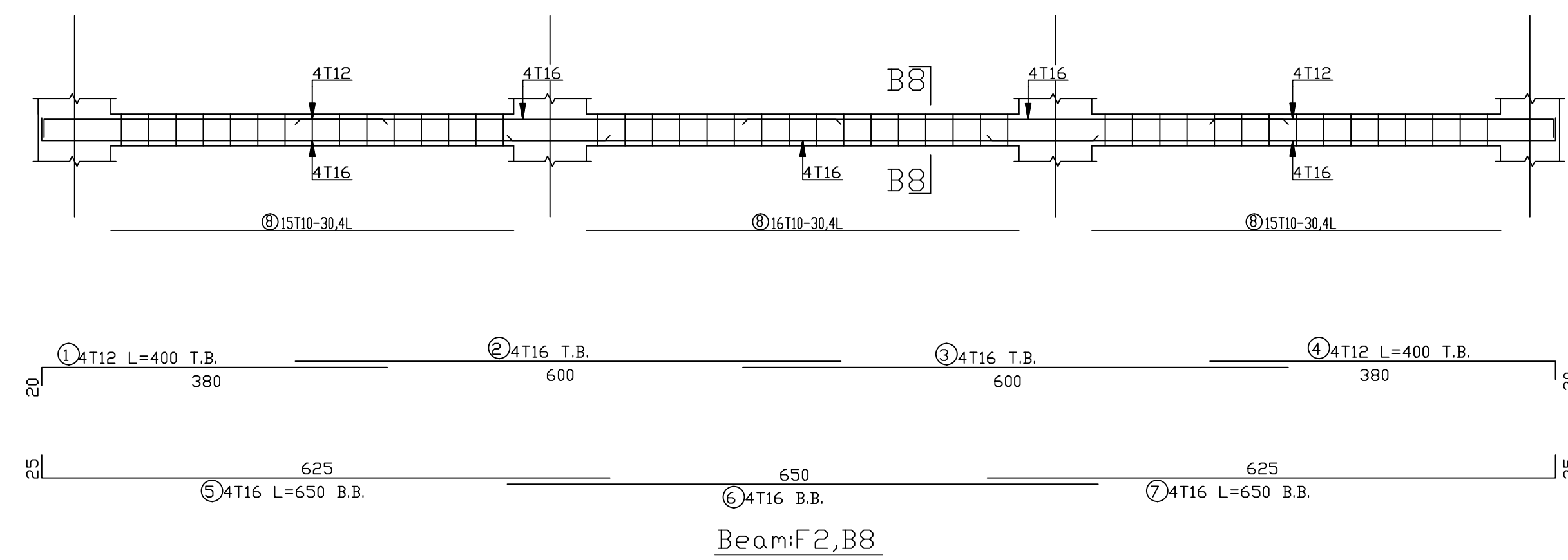
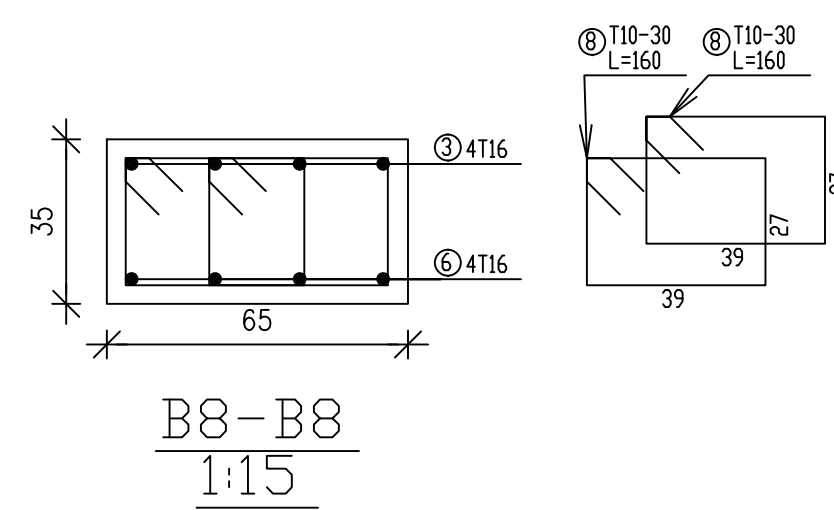
Supervisor

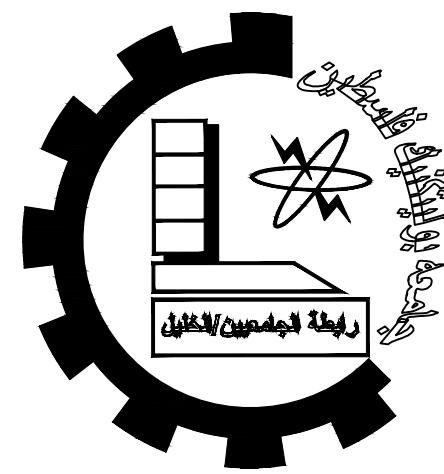
Dr.Hamdi idais.

Done by :

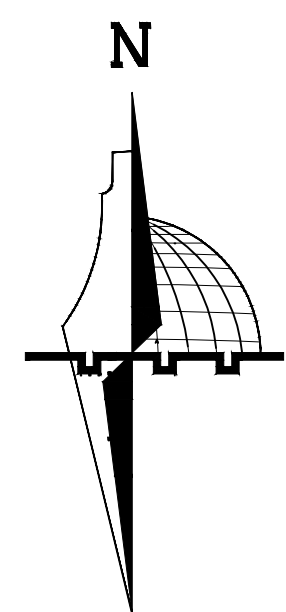
Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
<i>1/100</i>	<i>S57</i>	<i>21/05/2023</i>





Palestine Polytechnic University
College of Engineering
Civil Engineering Department
Civil Engineering
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Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materiales		GRASS

DRAWING TITLE :

BEAMS REINFORCEMENT

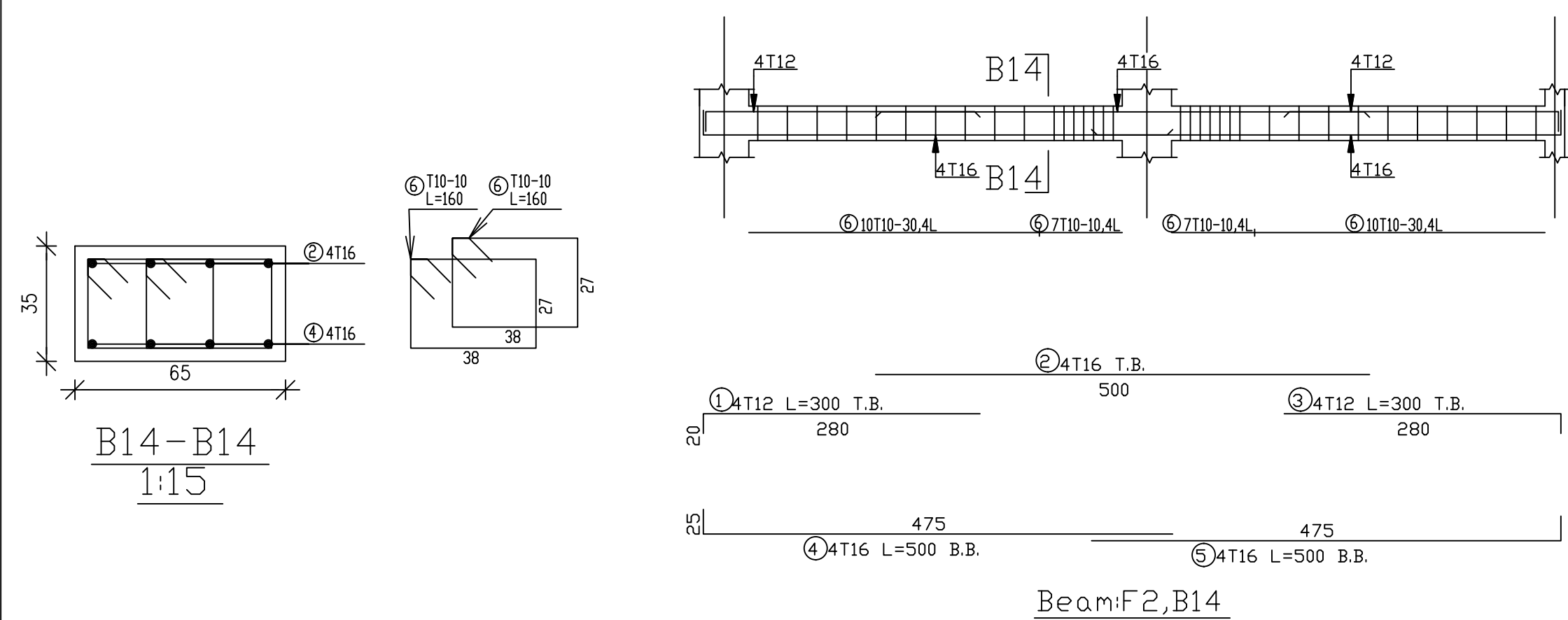
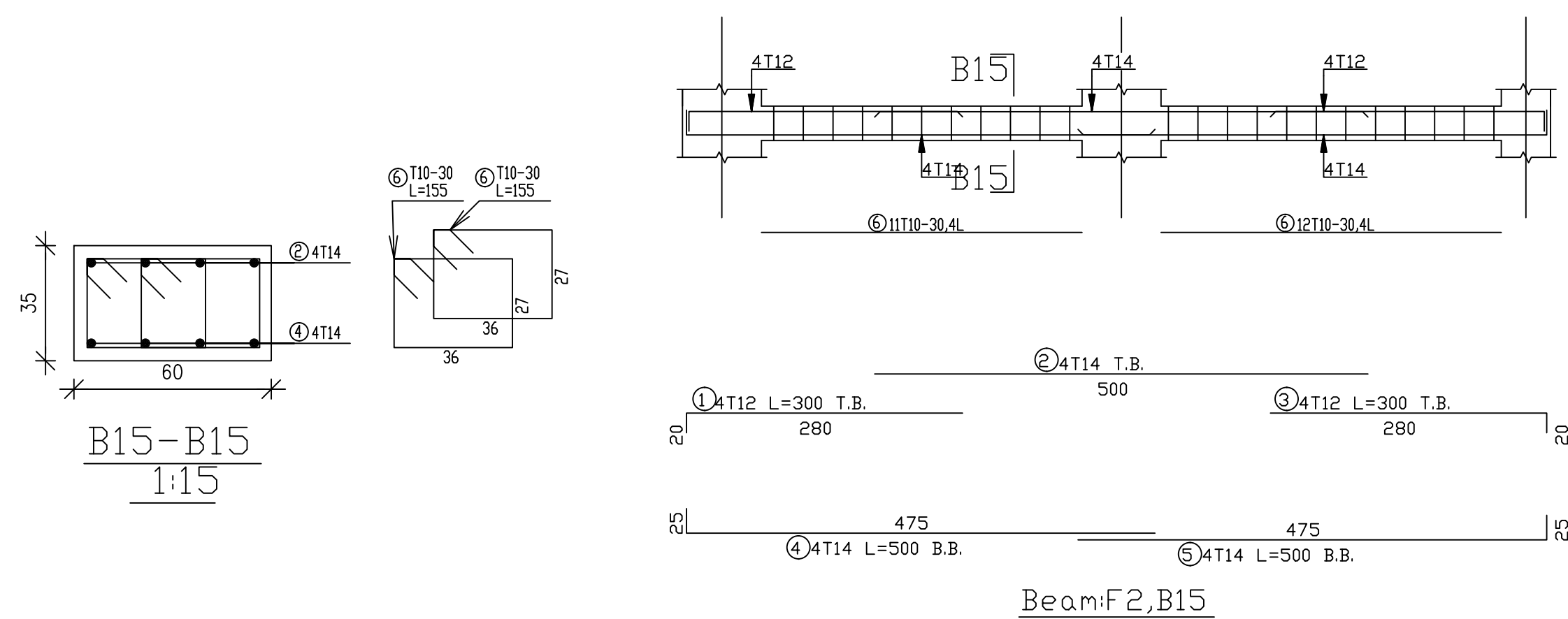
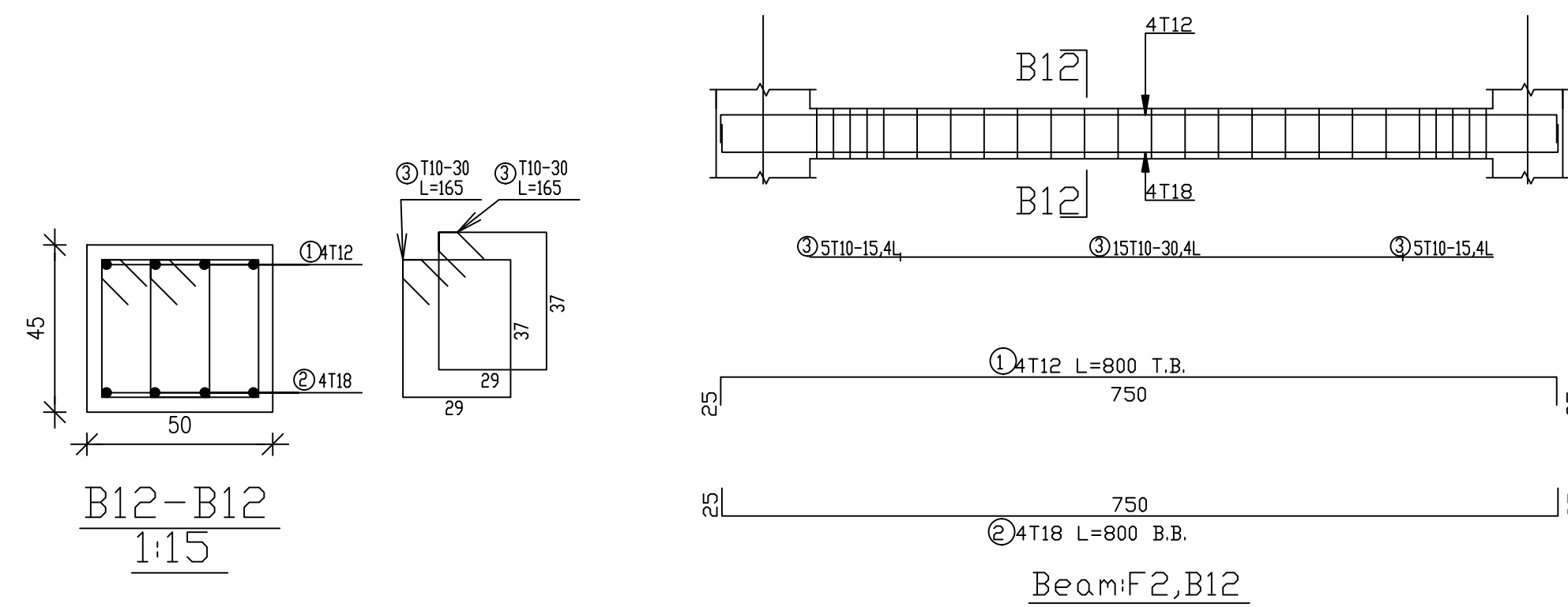
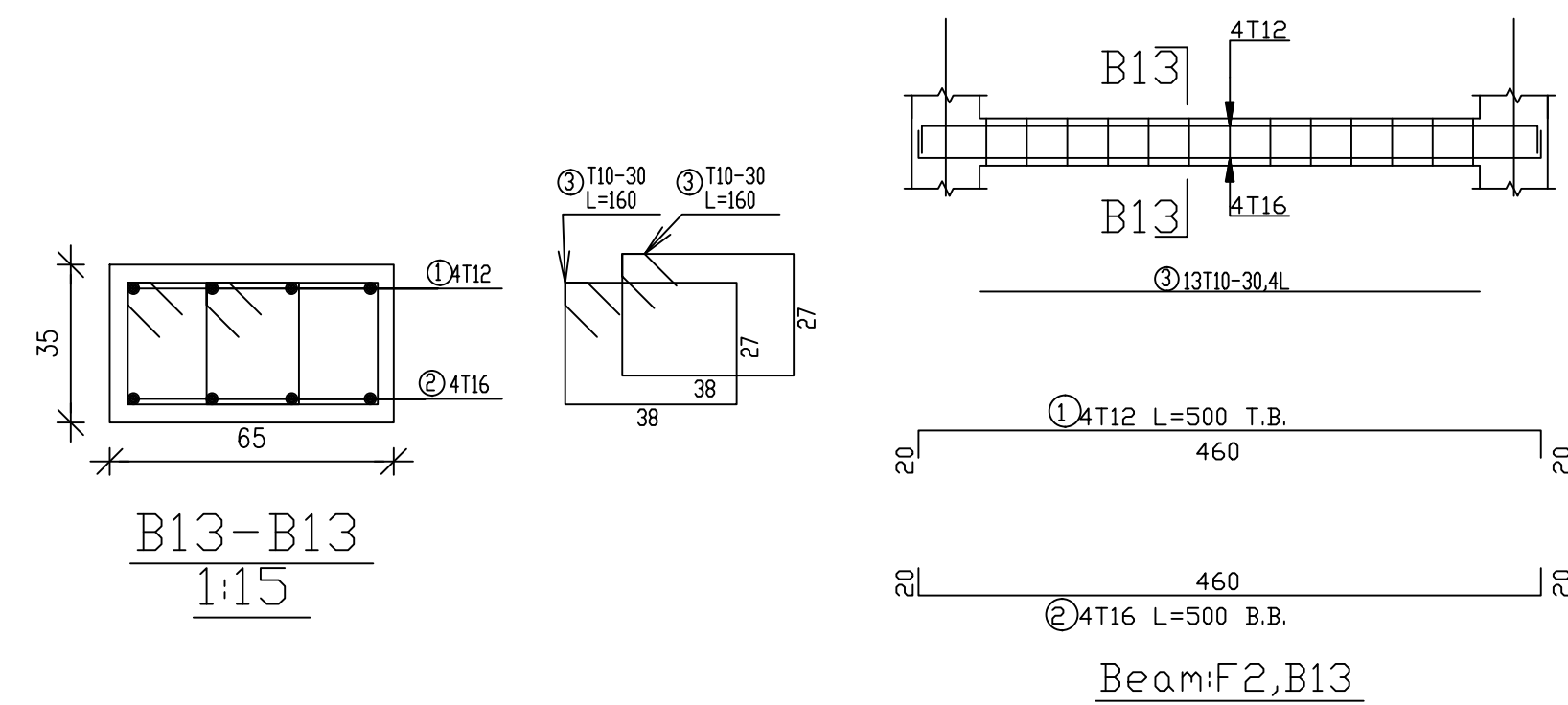
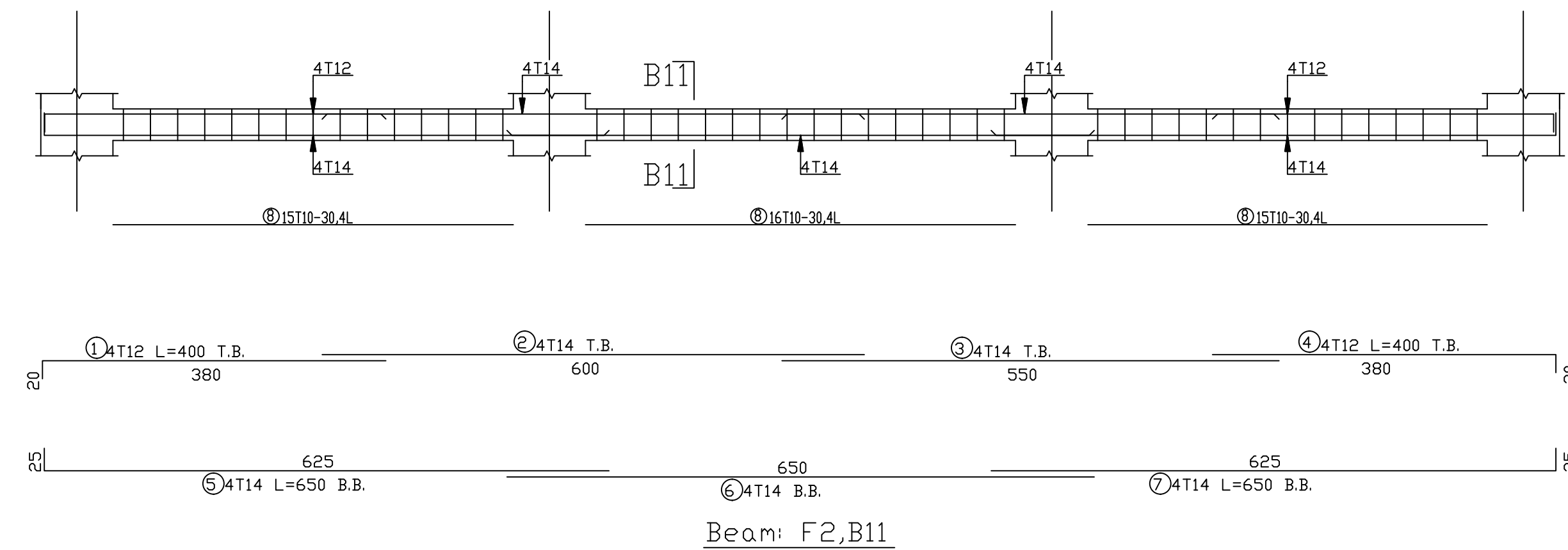
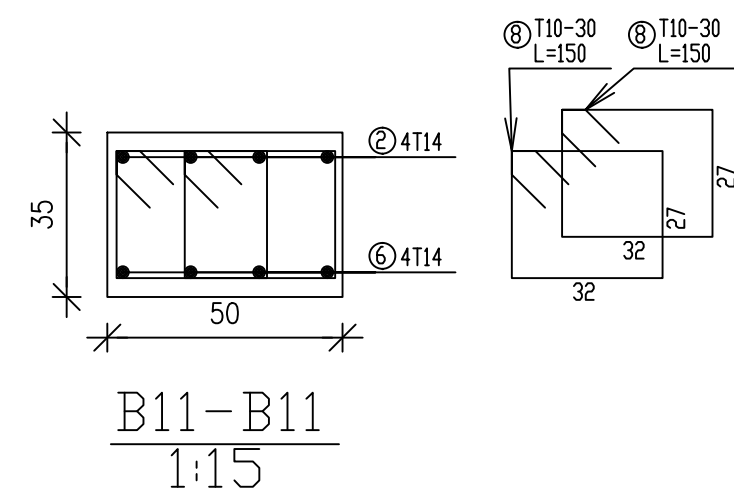
Supervisor

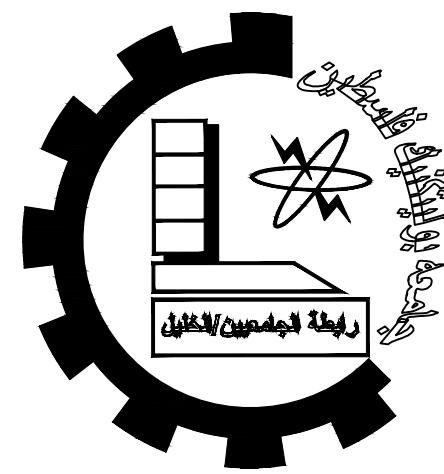
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S58	21/05/2023





Palestine Polytechnic University

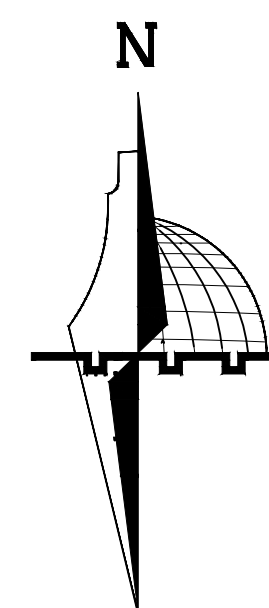
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

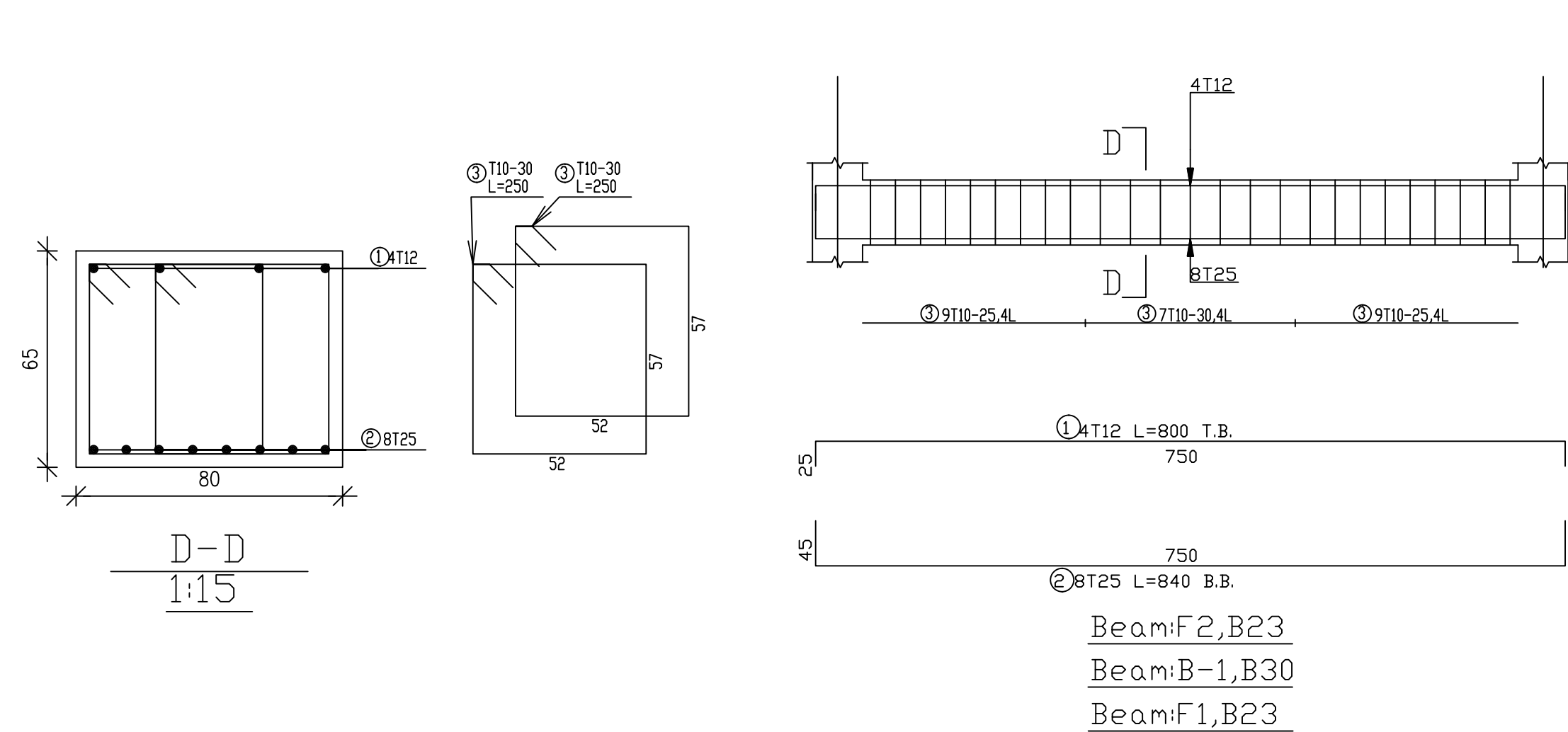
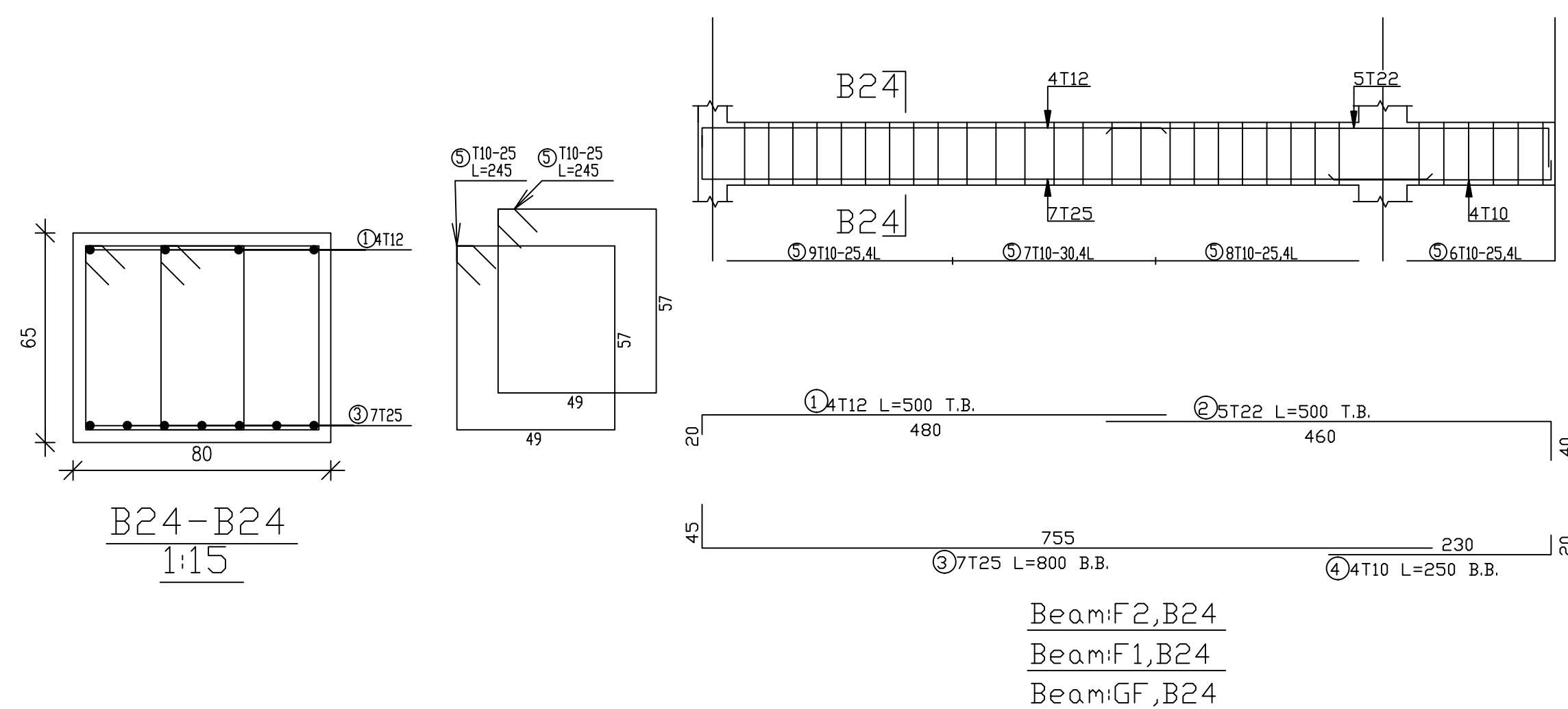
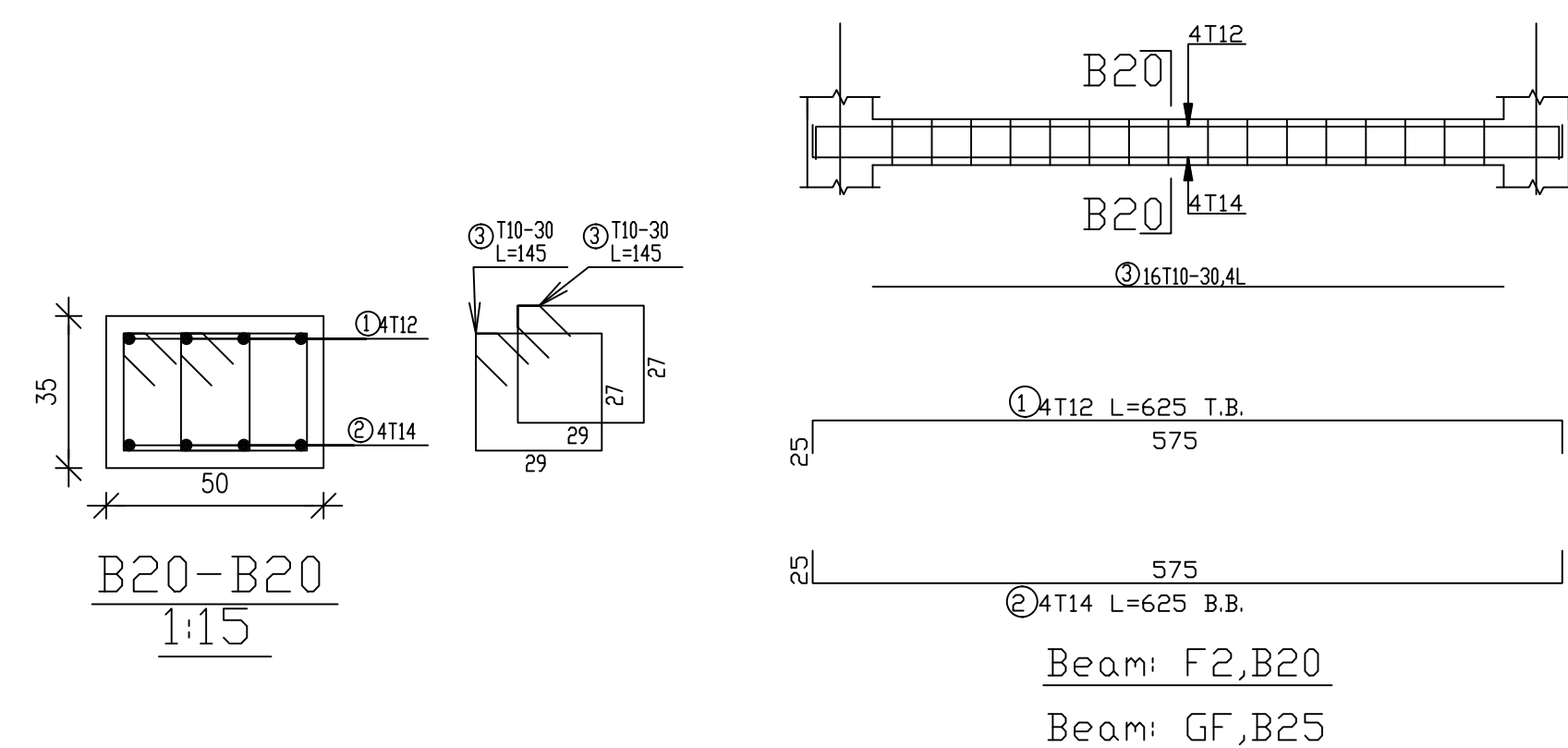
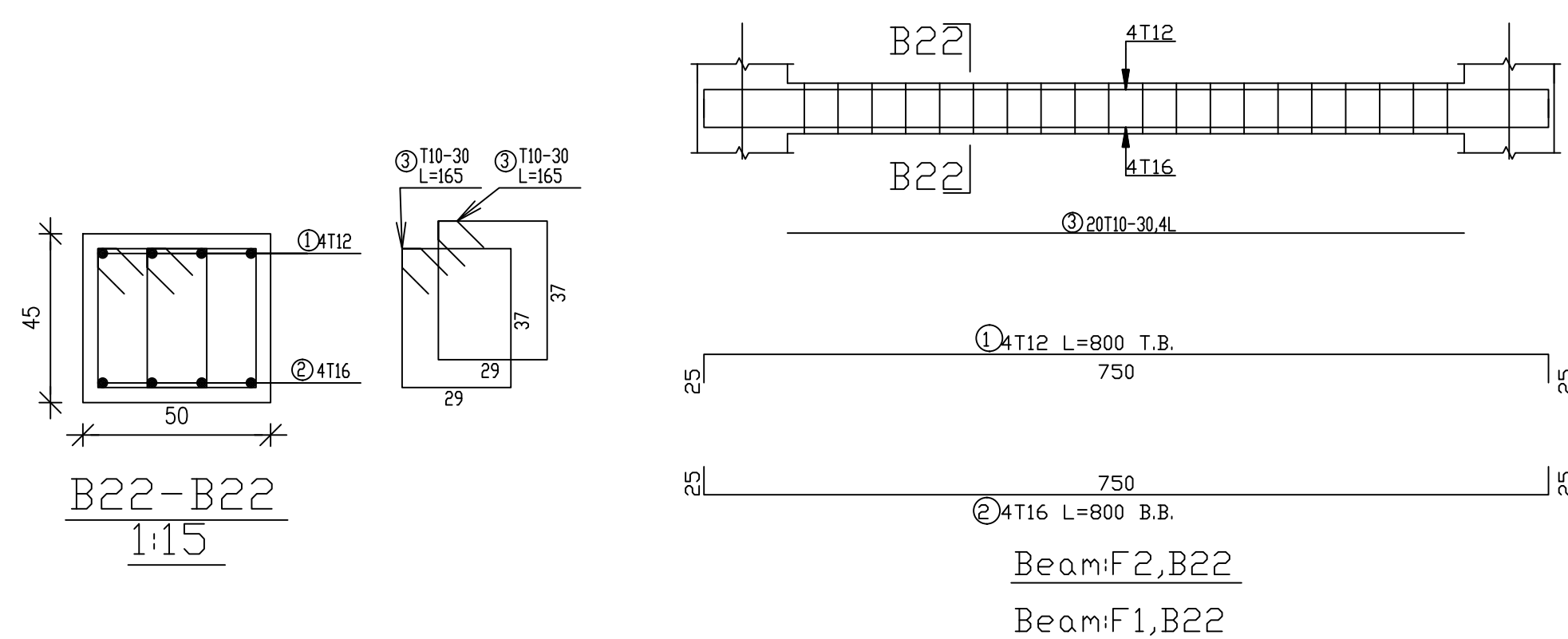
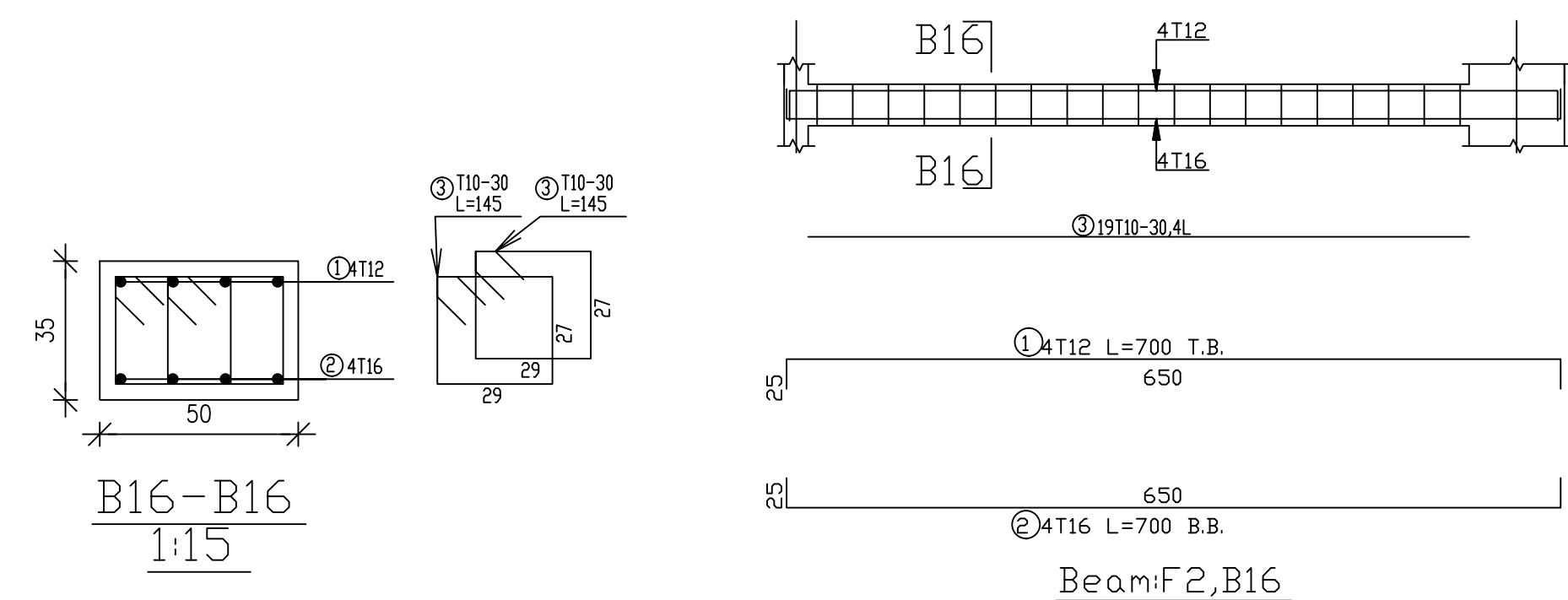
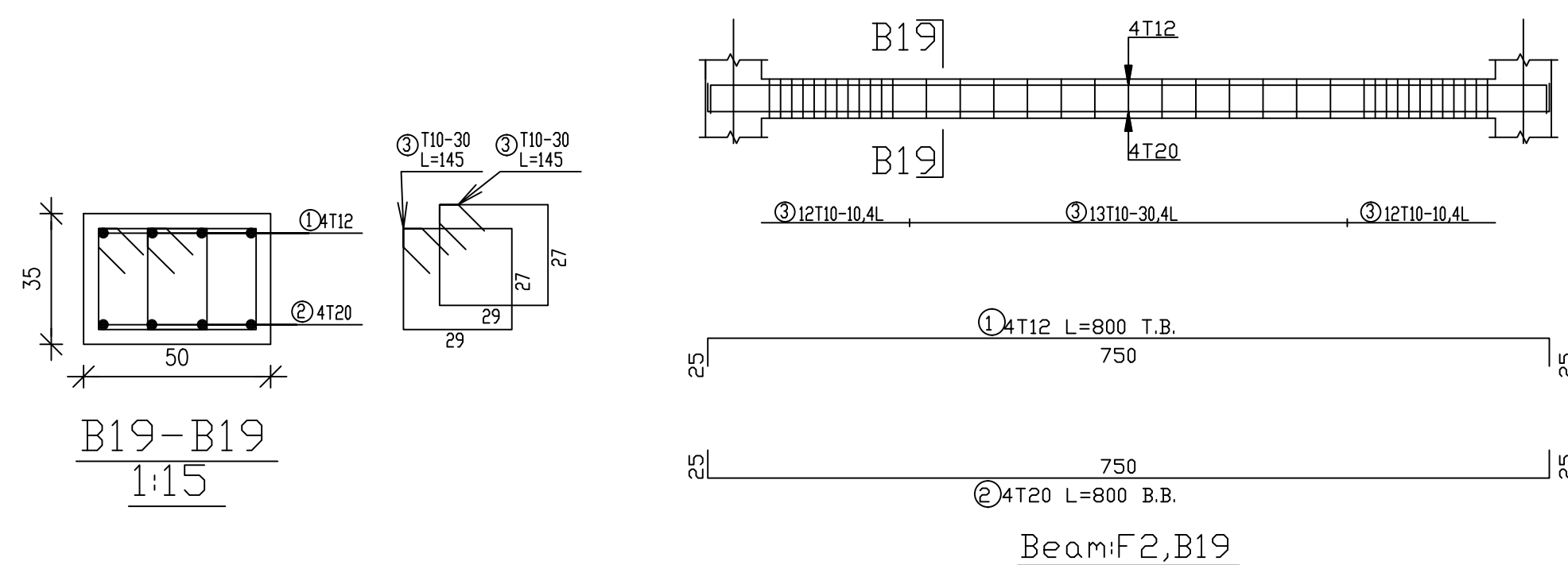
Supervisor

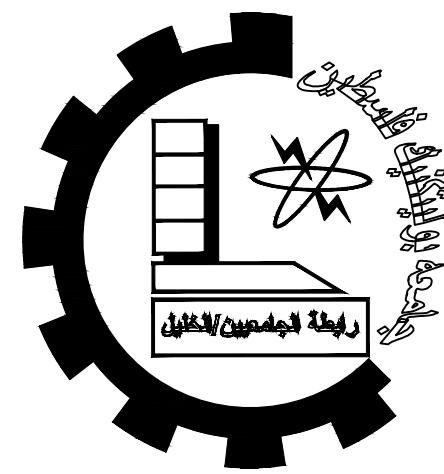
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S59	21/05/2023





Palestine Polytechnic University

College of Engineering

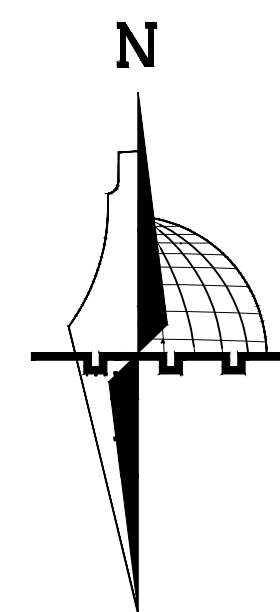
Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For

Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

Supervisor

Dr.Hamdi idais.

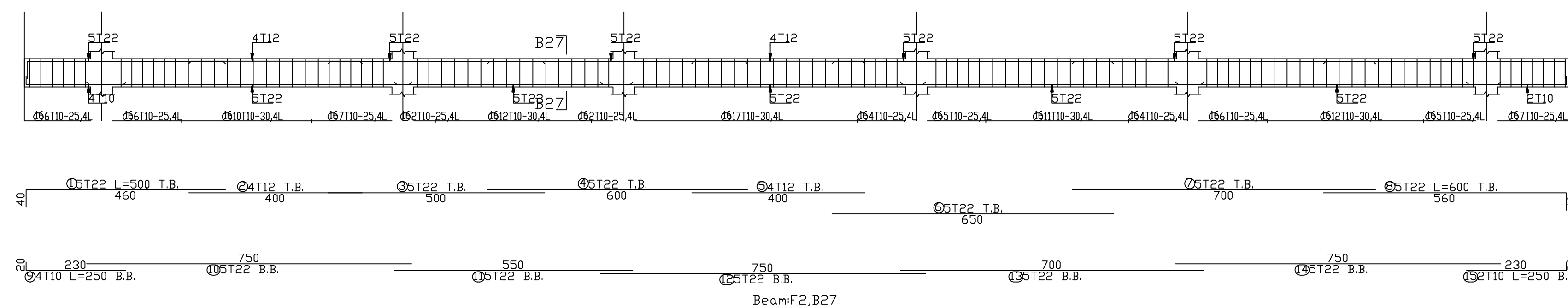
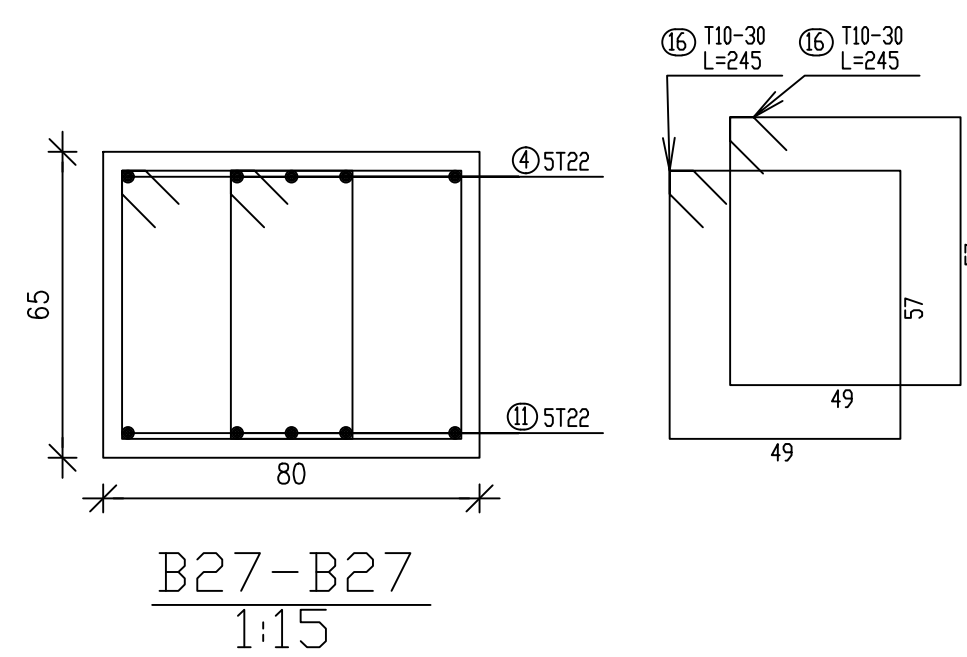
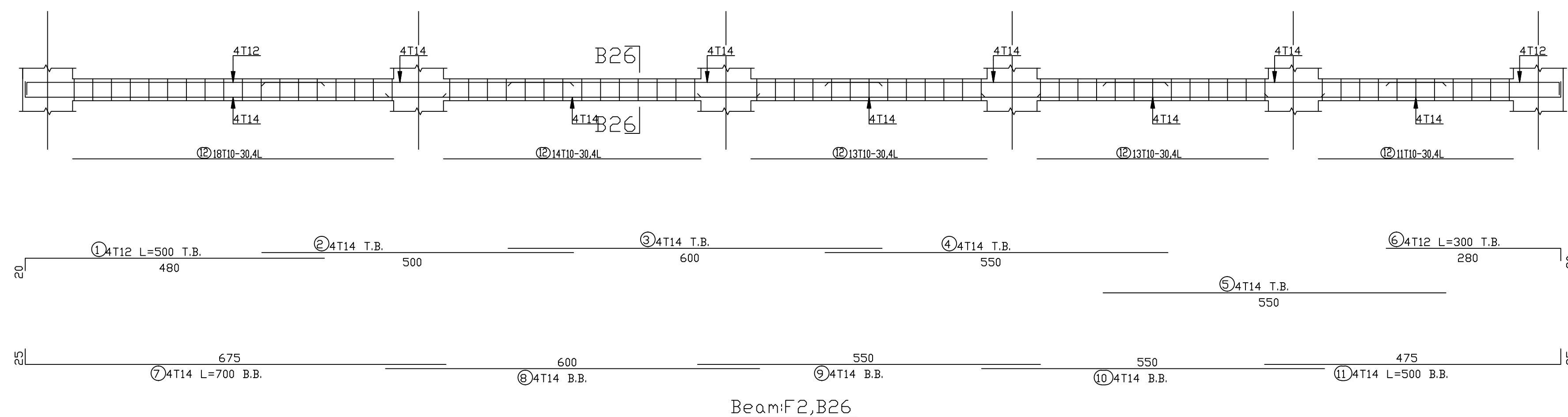
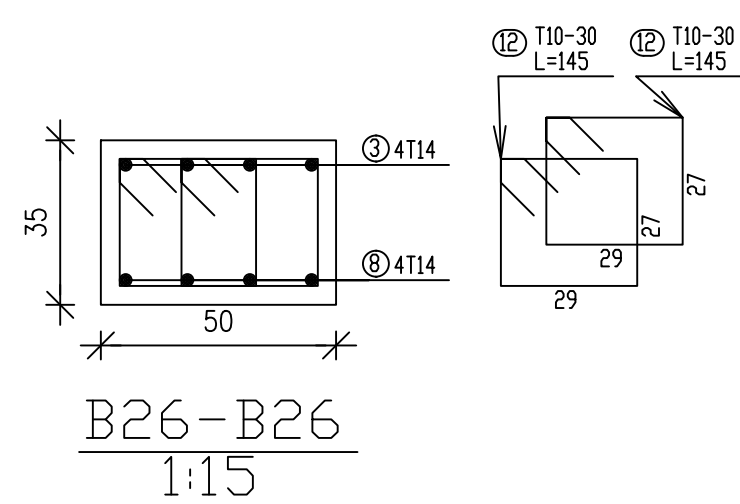
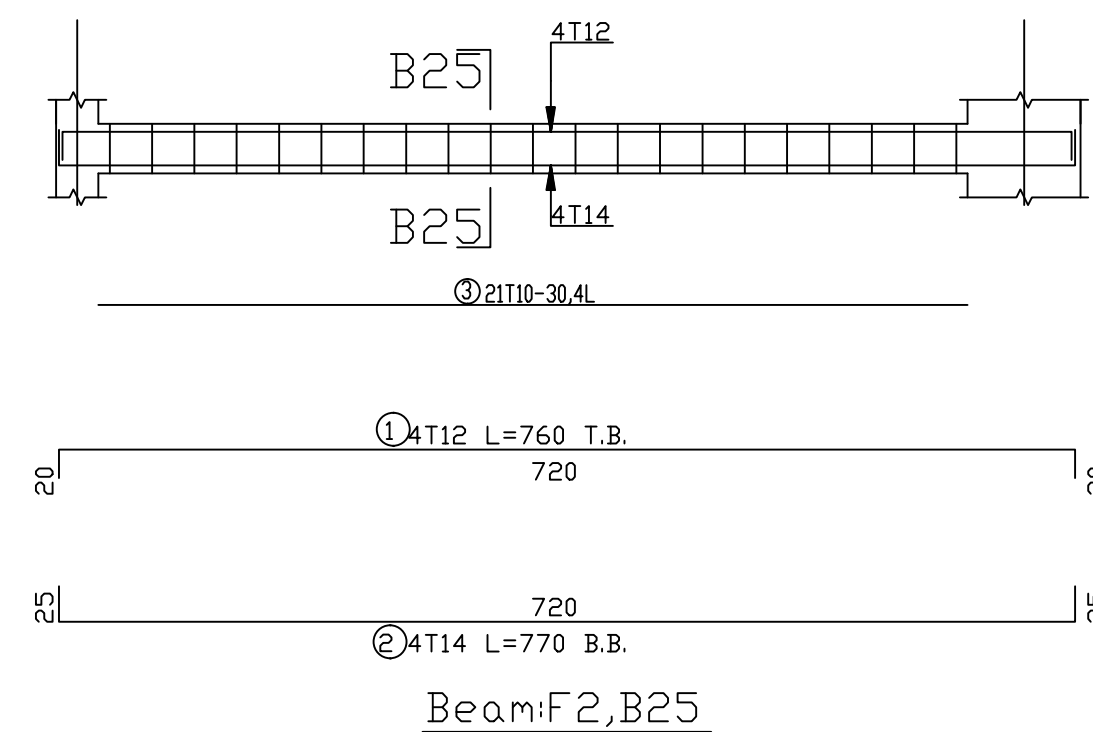
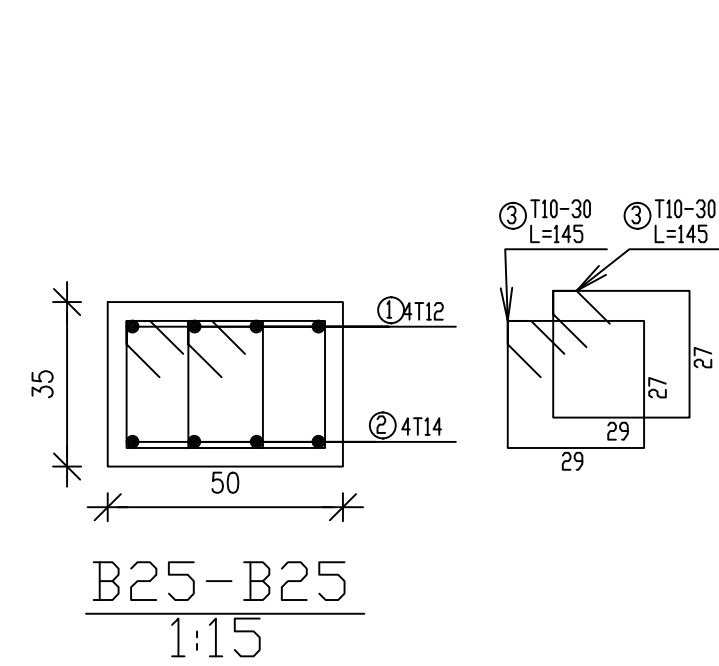
Done by :

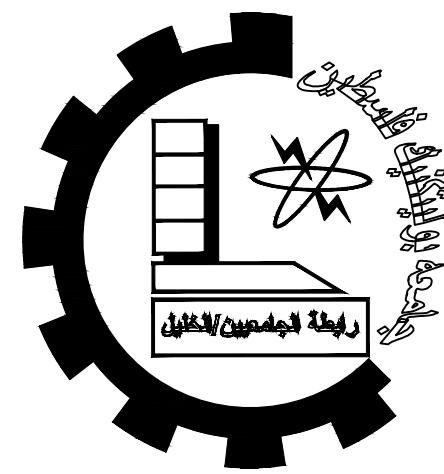
Mohammad AbuZahra

Sadam AbuQbete

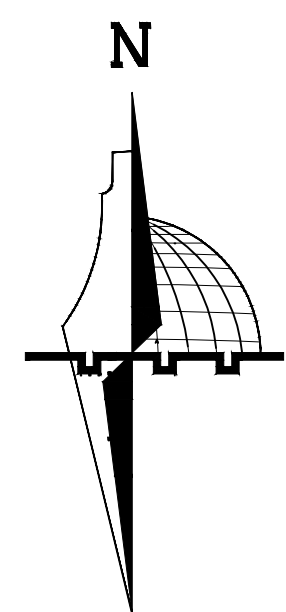
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S60	21/05/2023





Palestine Polytechnic University
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Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

BEAMS REINFORCEMENT

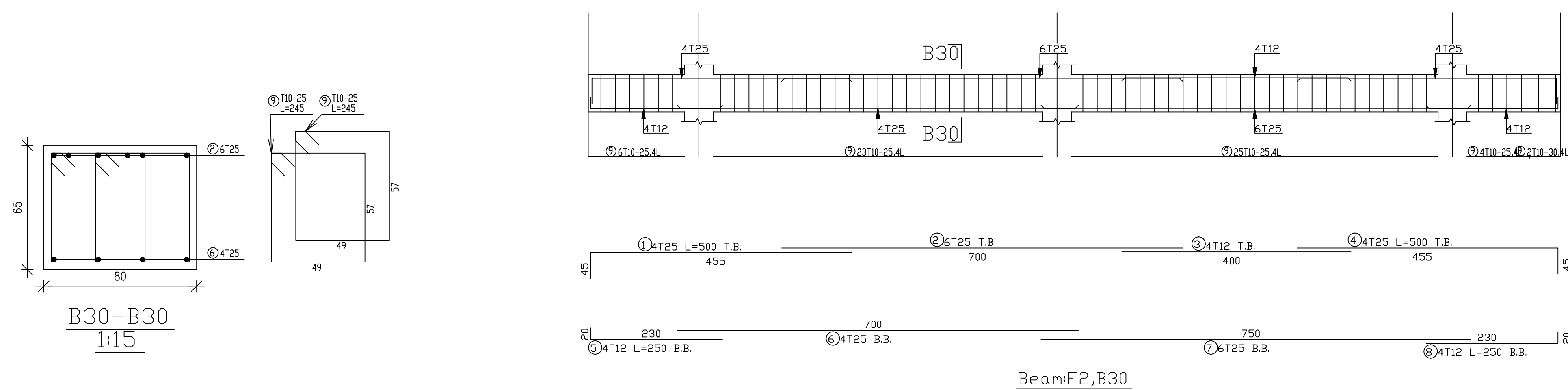
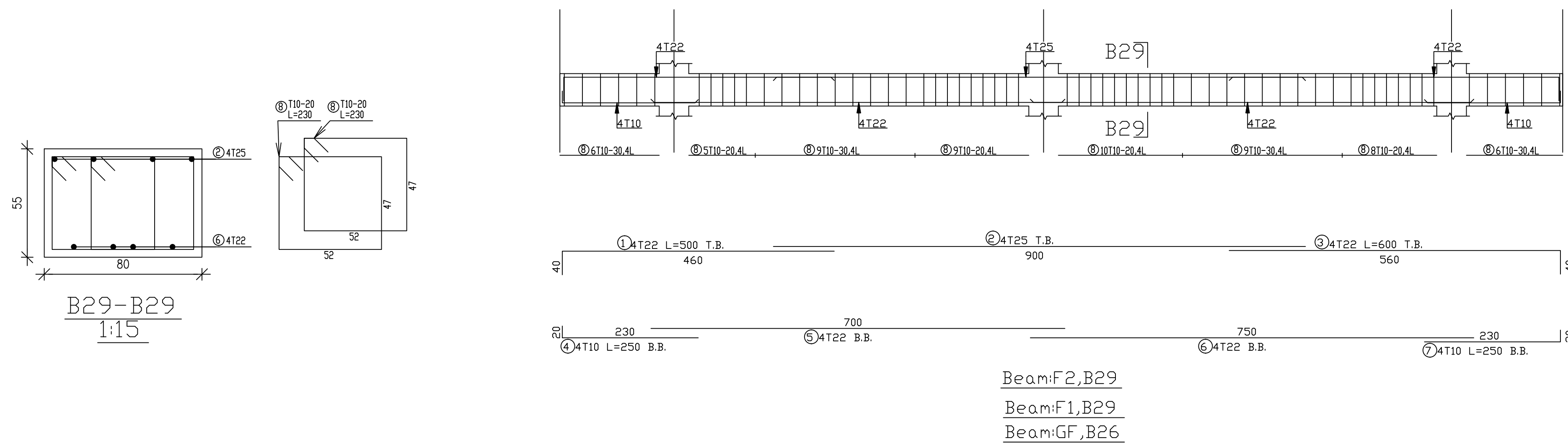
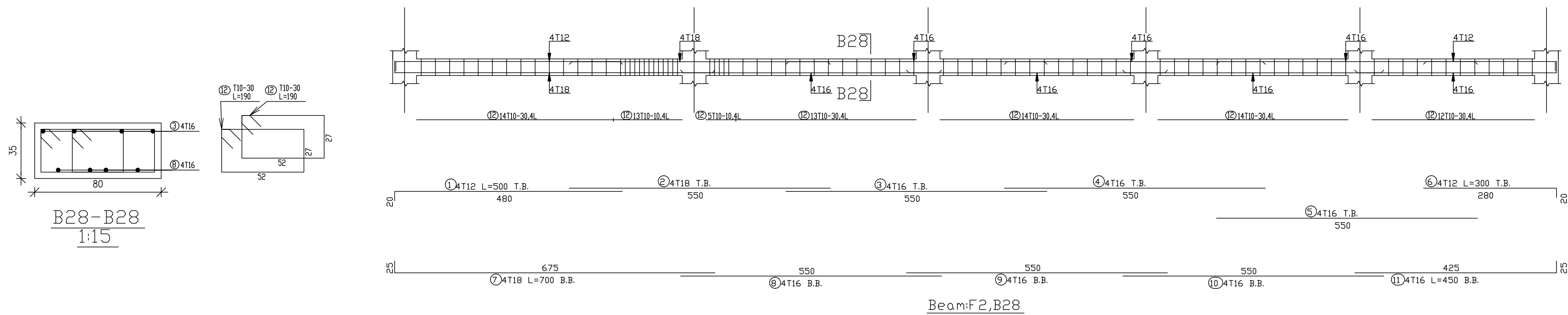
Supervisor

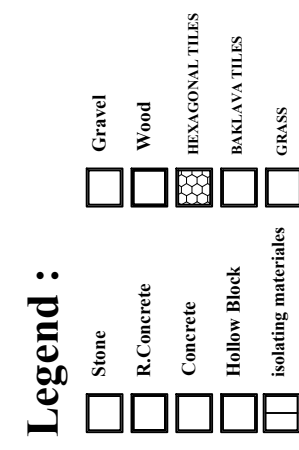
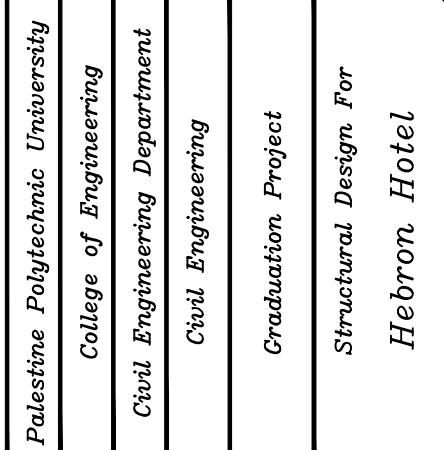
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S61	21/05/2023





DRAWING TITLE :

FRAME 1 REINFORCEMENT

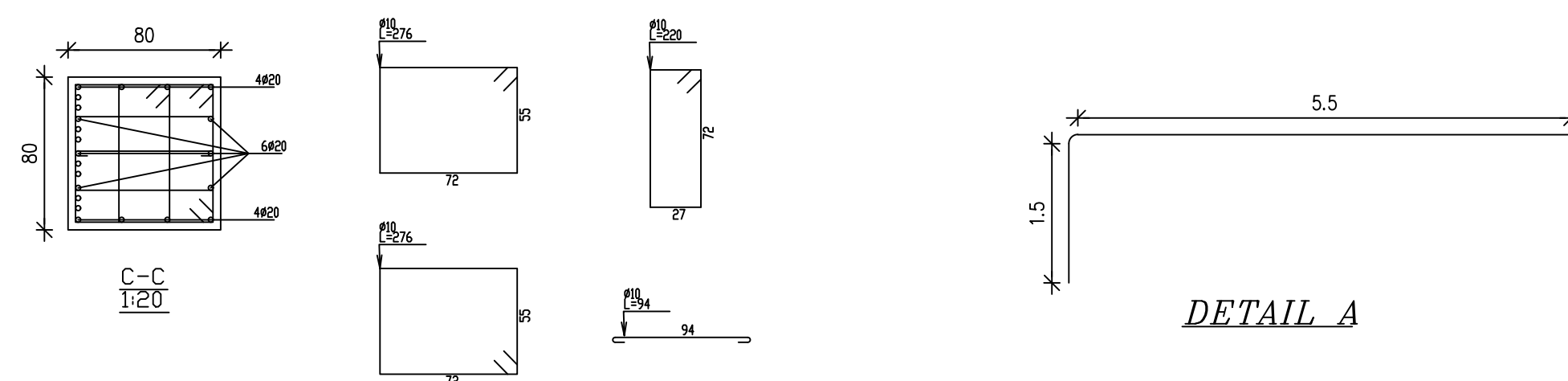
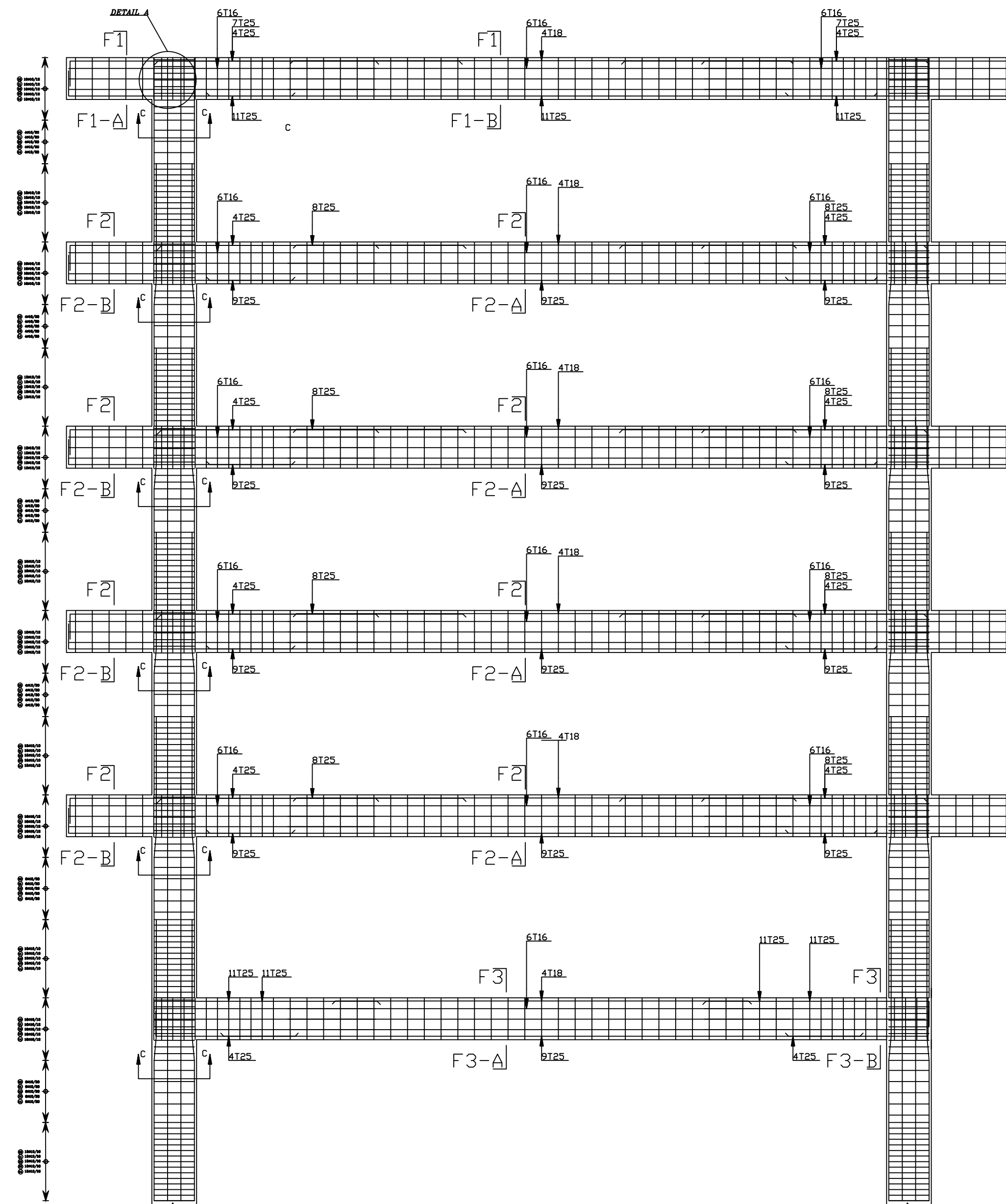
Supervisor

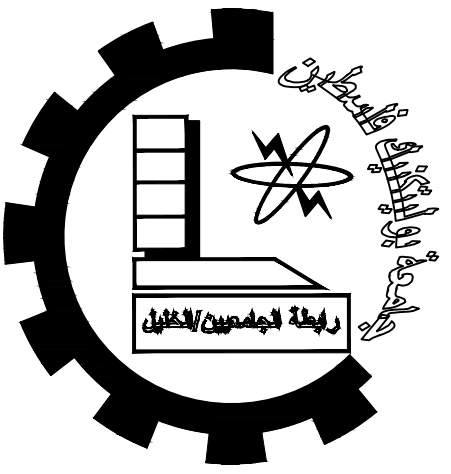
Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S62	21/05/2023





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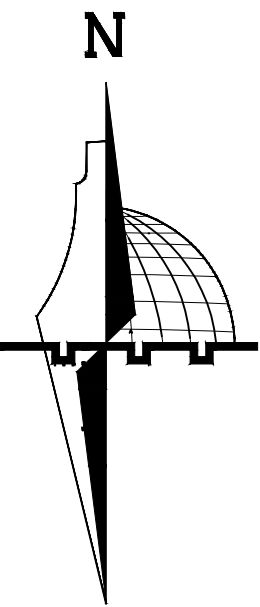
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

- | | |
|----------------------|-----------------|
| Stone | Gravel |
| R.Concrete | Wood |
| Concrete | HEXAGONAL TILES |
| Hollow Block | BAKLAVA TILES |
| isolating materiales | GRASS |

DRAWING TITLE :

FRAME 2 REINFORCEMENT

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE

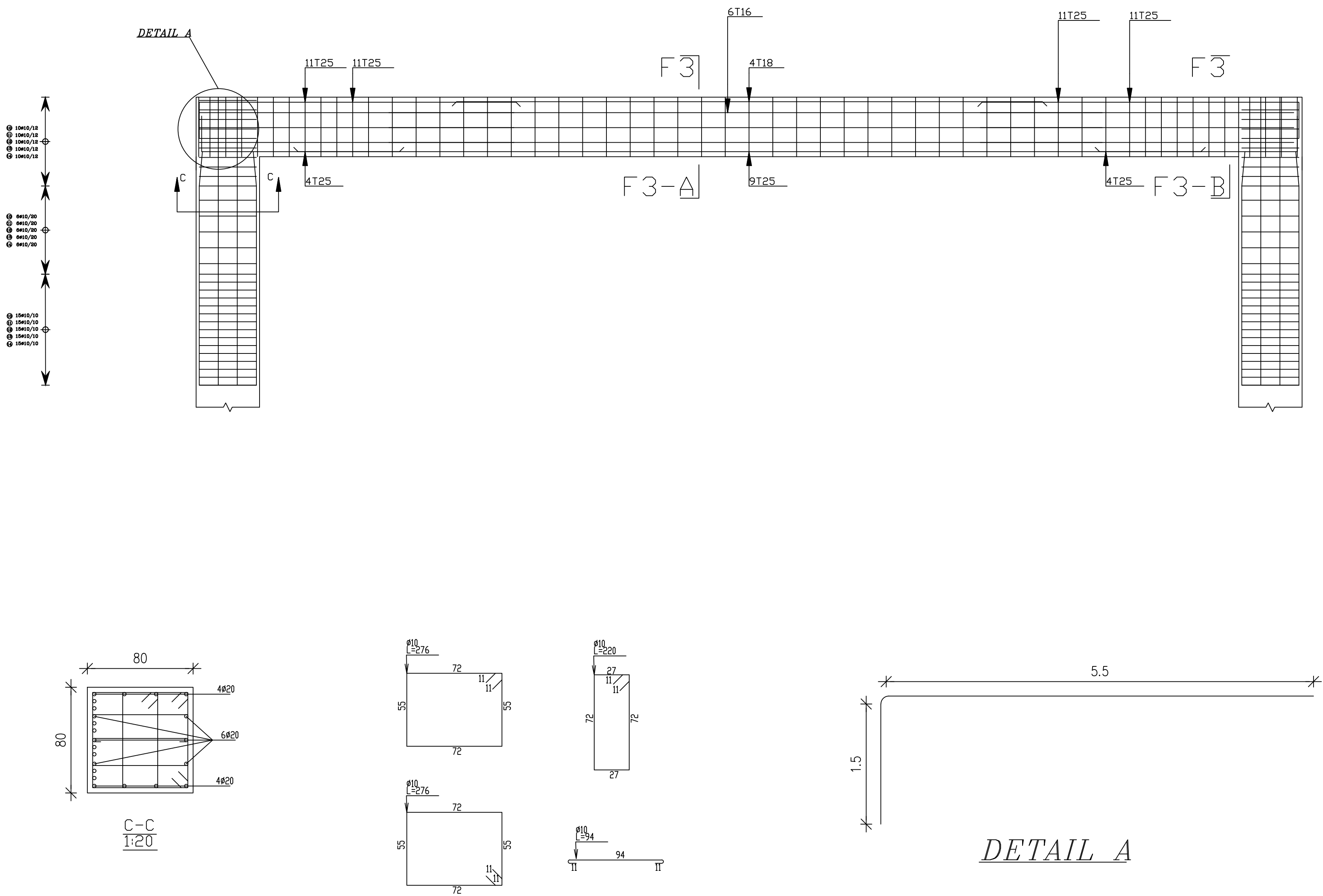
No. of
DRAW

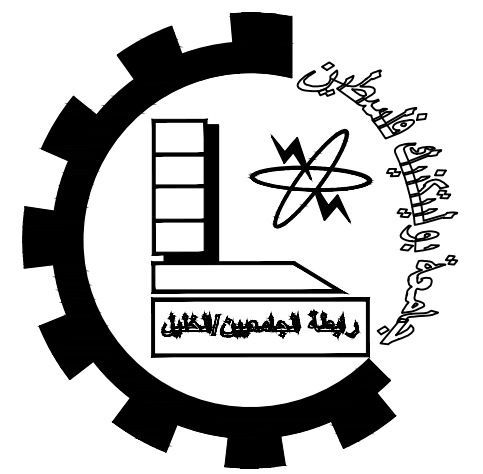
DATE

1/100

S63

21/05/2023





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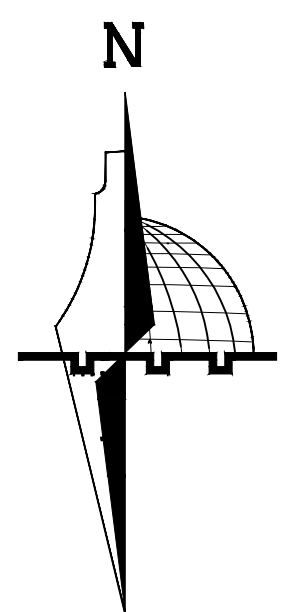
College of Engineering

Civil Engineering Department

Civil Engineering

Graduation Project

Structural Design For
Hebron Hotel



Legend :

DRAWING TITLE :

FRAME BEAMS
REINFORCEMENT

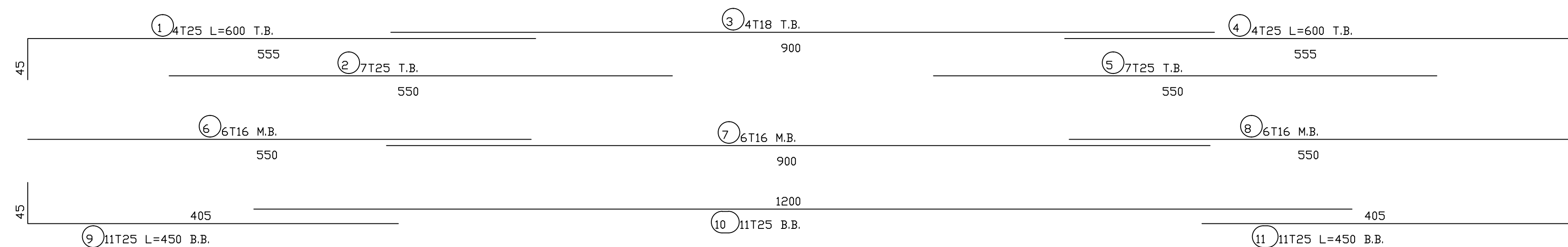
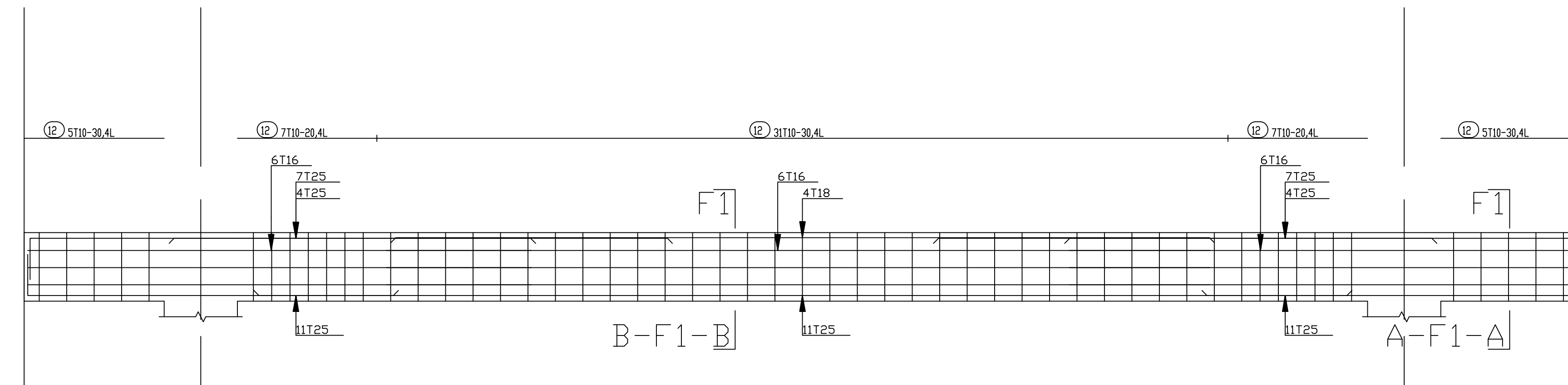
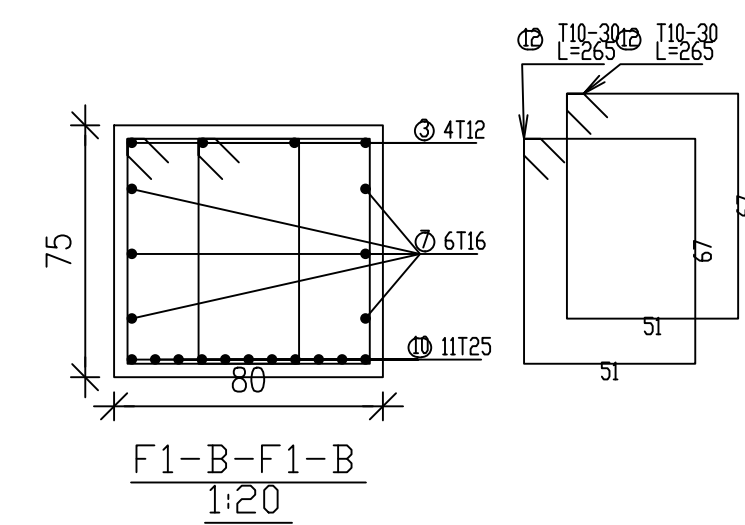
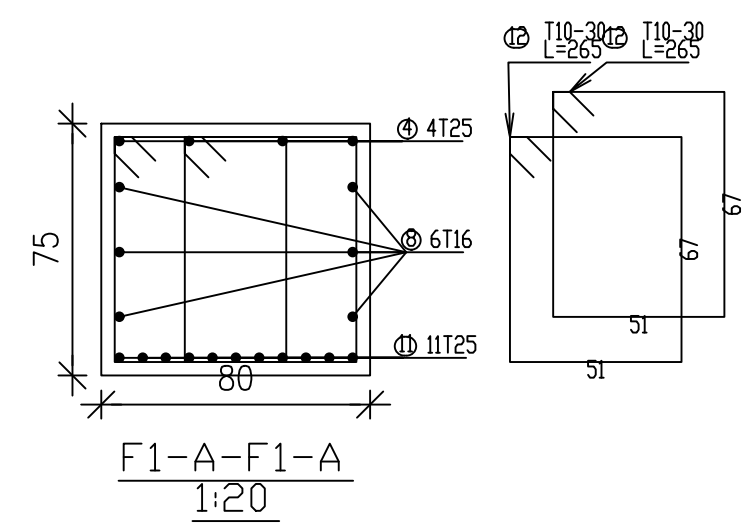
Supervisor

Dr.Hamdi idais.

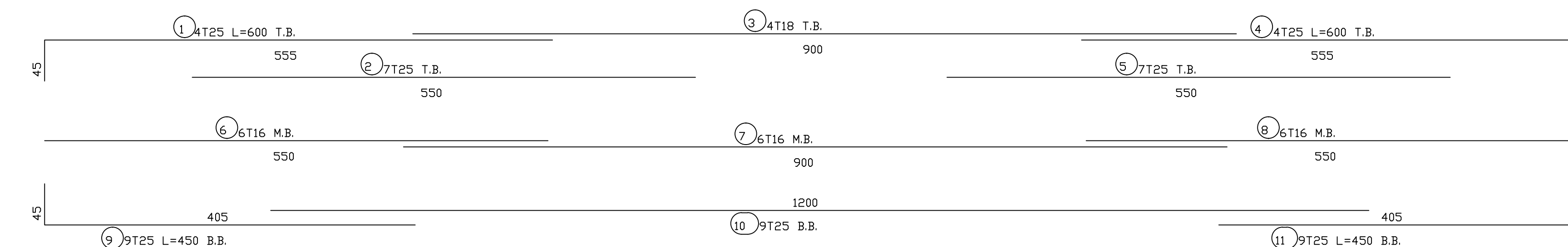
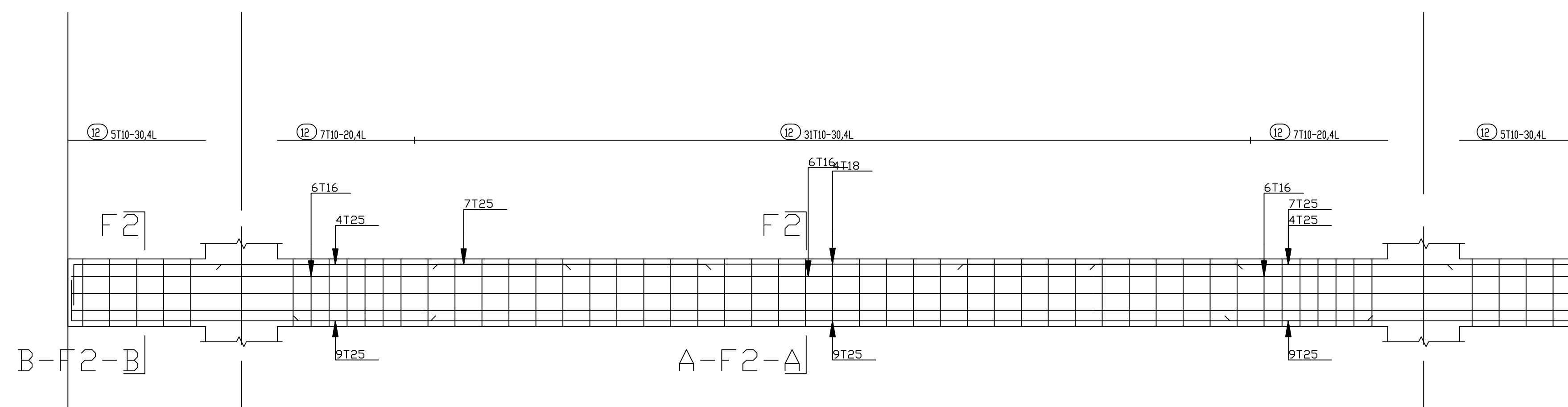
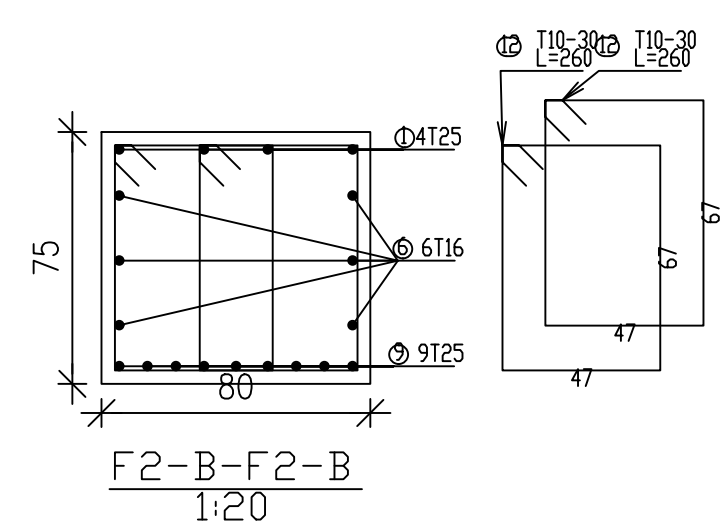
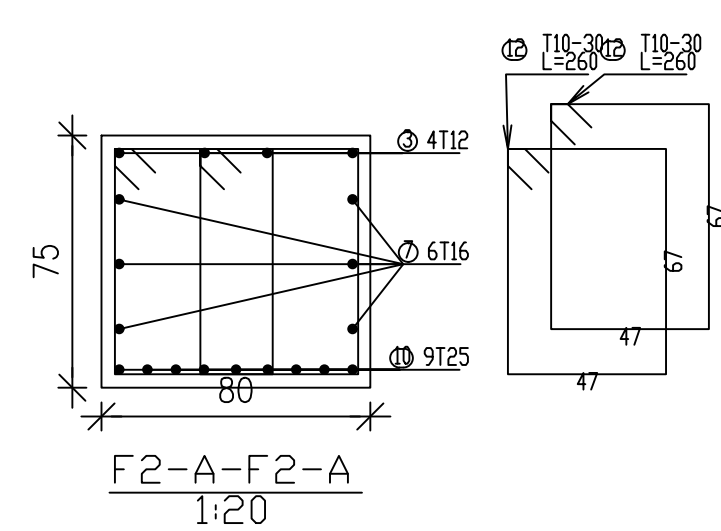
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

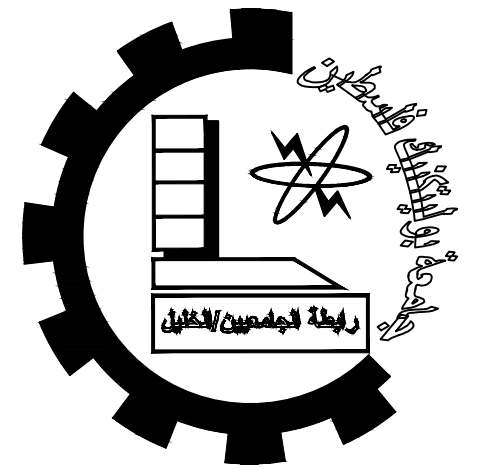
SCALE	No. of DRAW	DATE
1/100	S64	21/05/2023



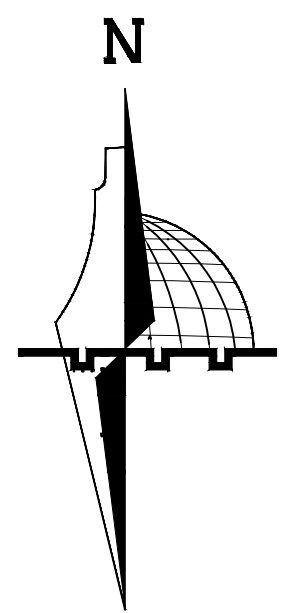
Beam:Frame 1



Beam:Frame 2



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Legend :

DRAWING TITLE :

FRAME BEAMS
REINFORCEMENT

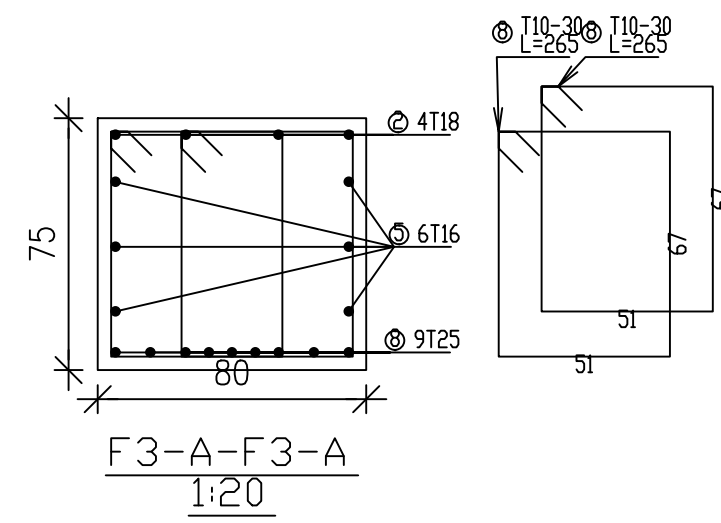
Supervisor

Dr.Hamdi idais.

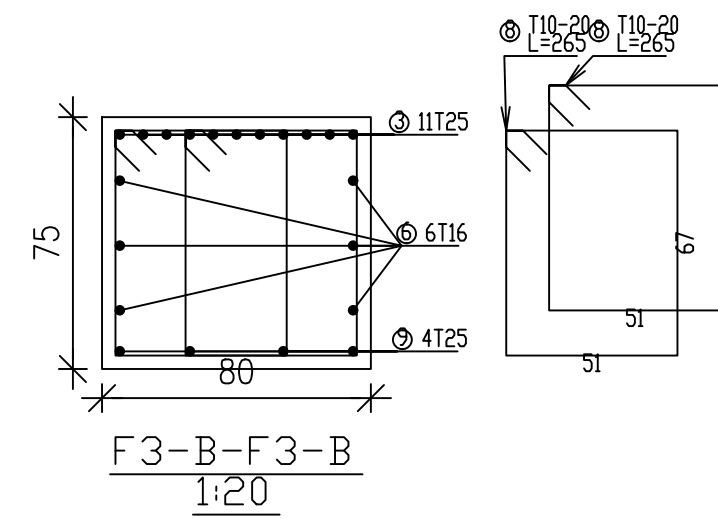
Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

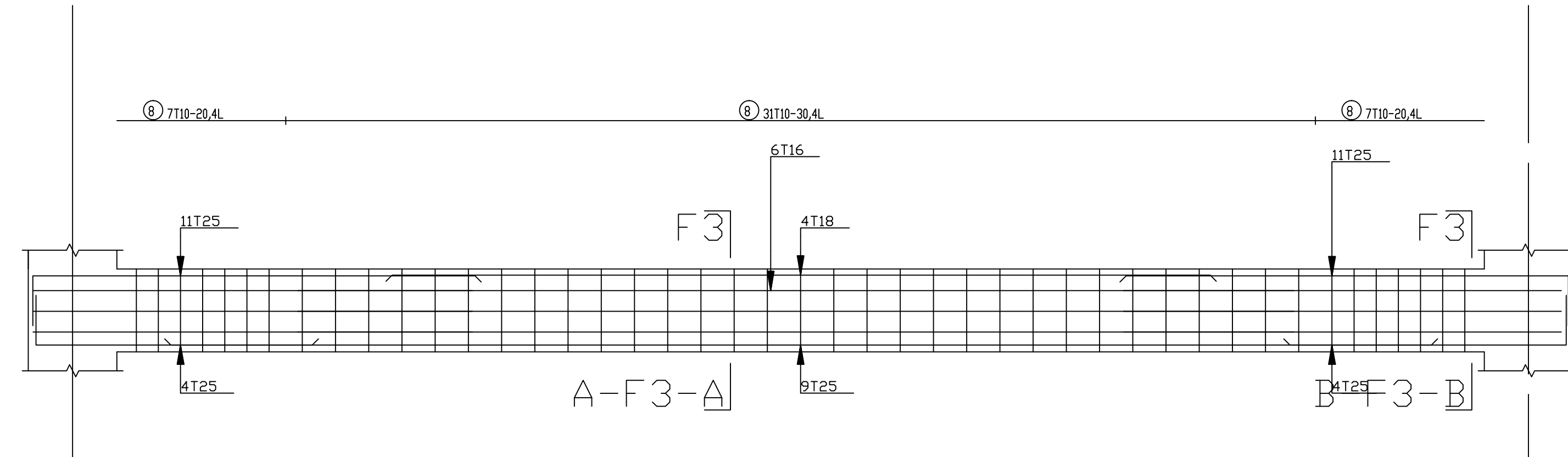
SCALE	No. of DRAW	DATE
1/100	S65	21/05/2023



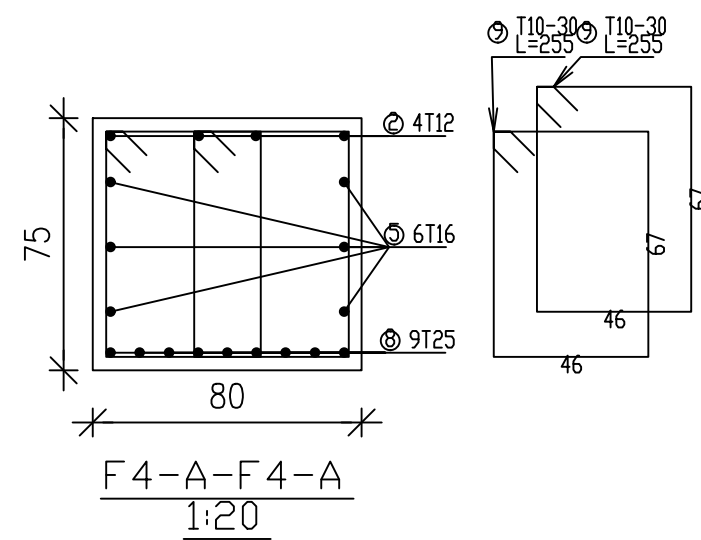
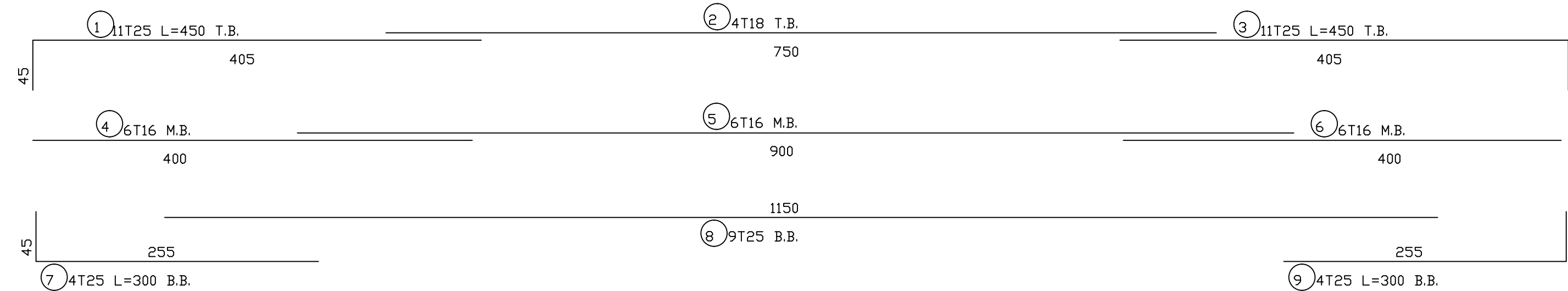
F3-A-F3-A
1:20



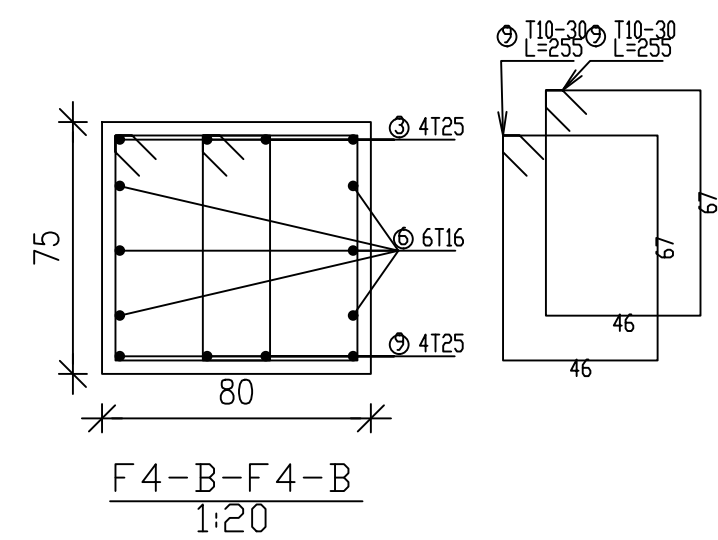
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1:20



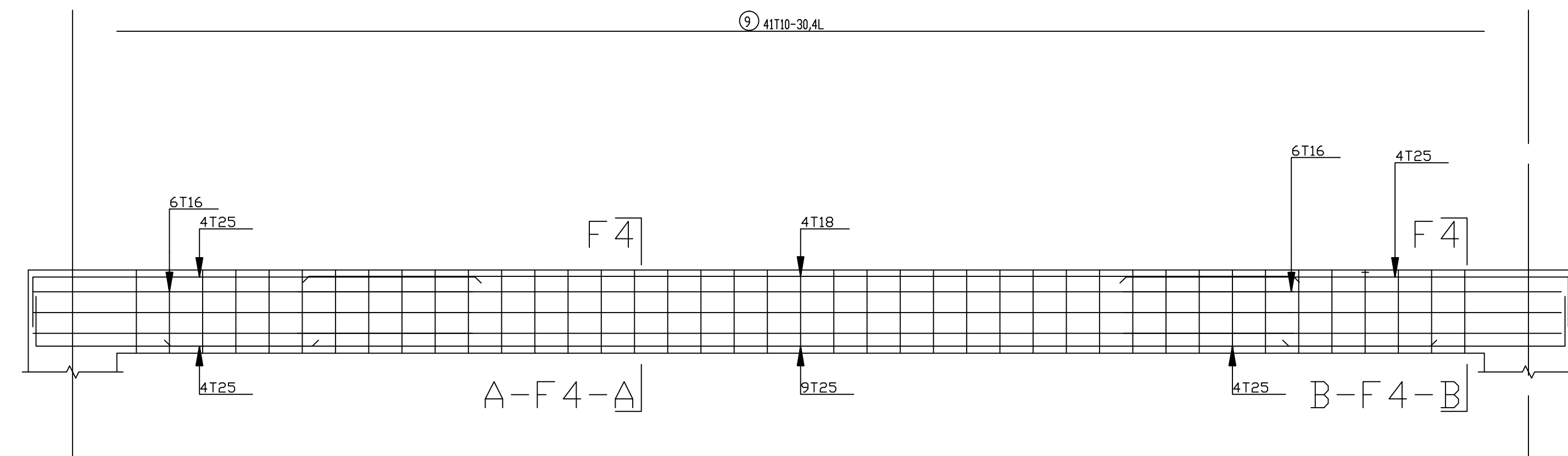
Beam:Frame 3



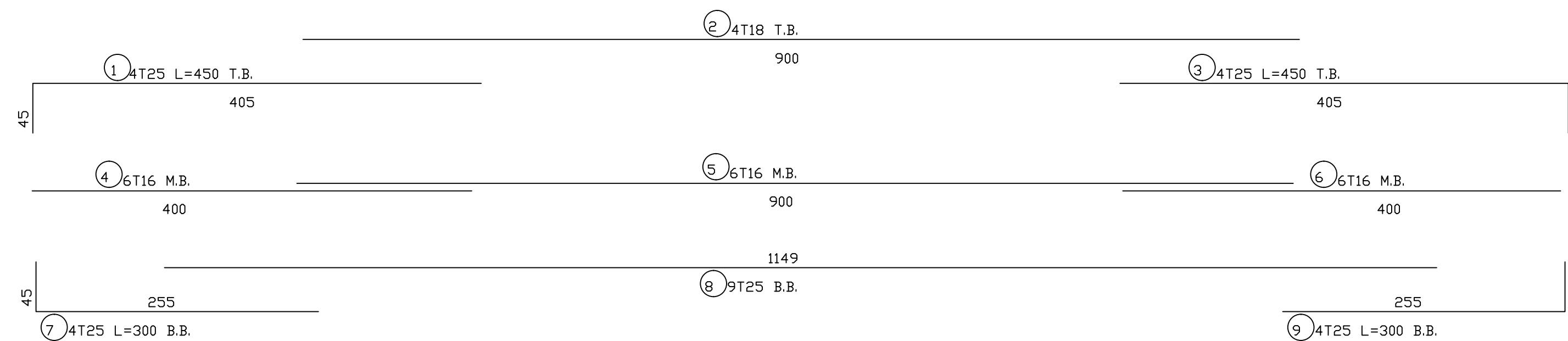
F4-A-F4-A
1:20



F4-B-F4-B
1:20

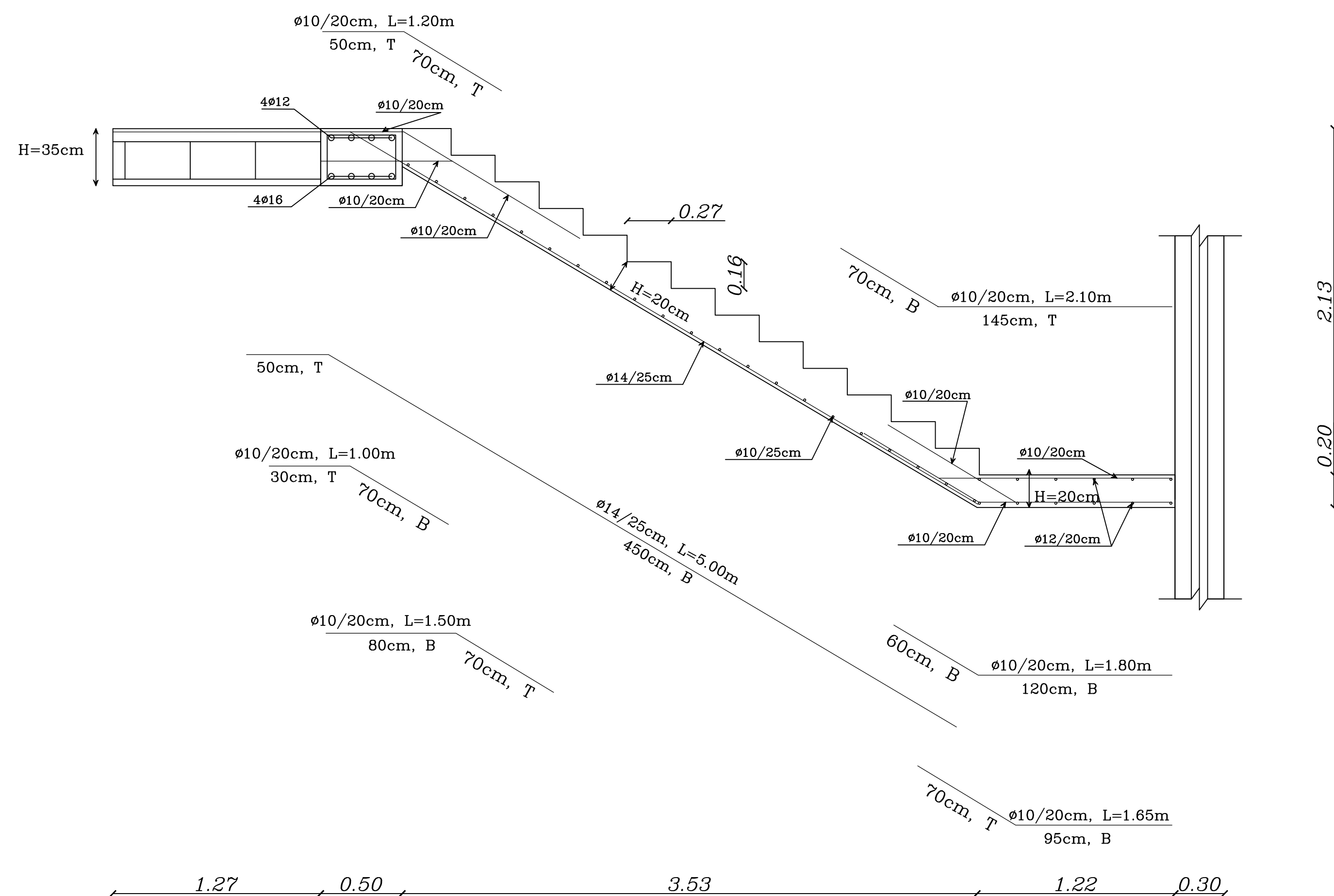
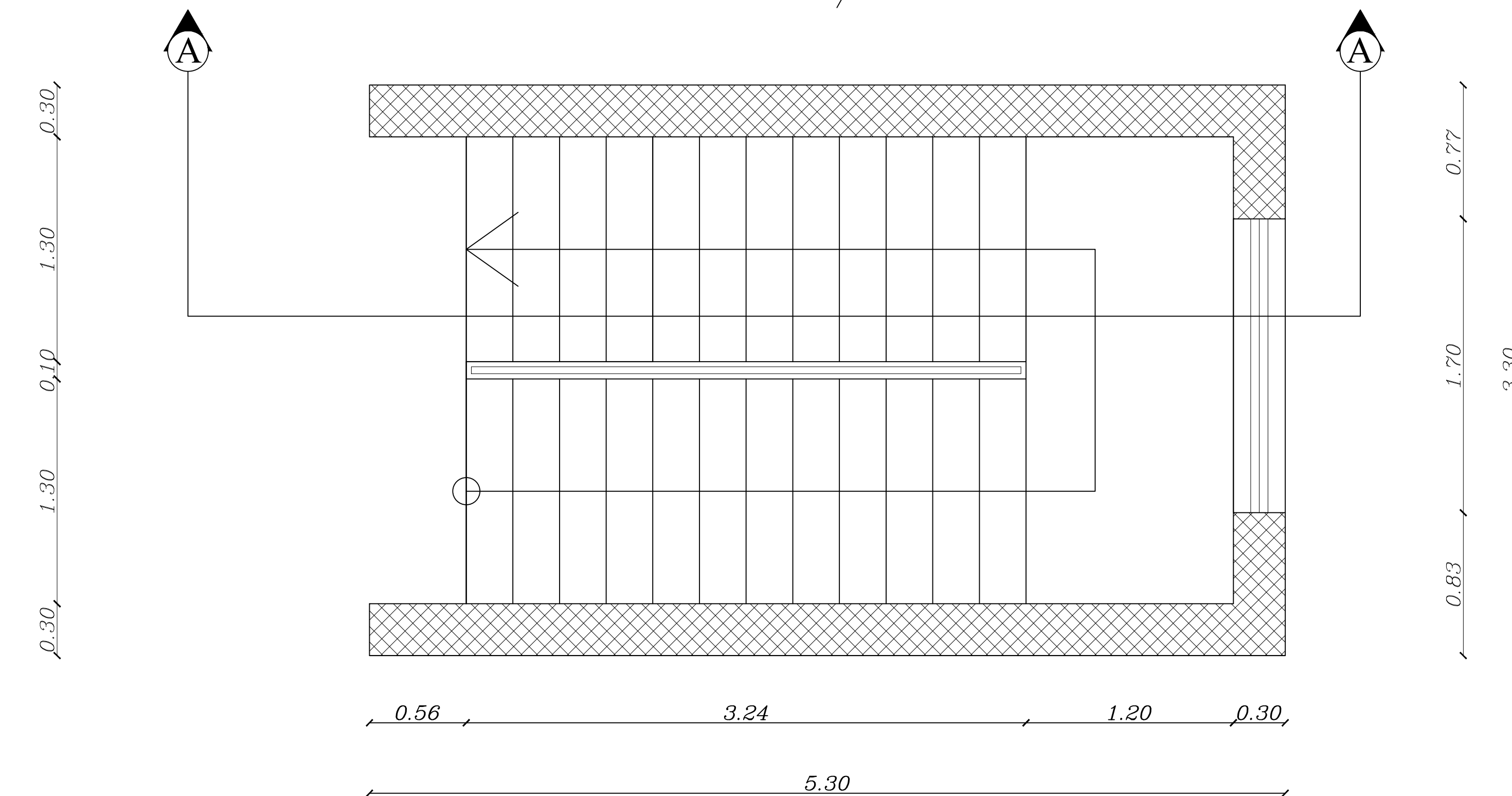


Beam:Frame 4



STAIR REINFORCEMENT

SCALE 1/20



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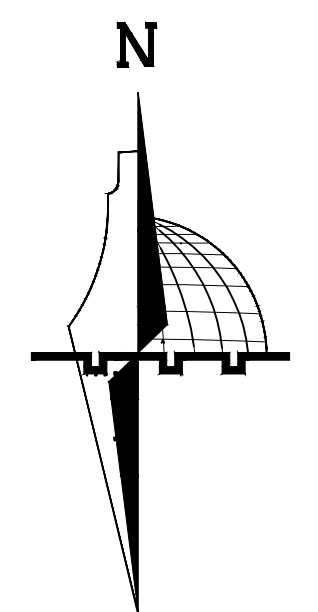
College of Engineering

Civil Engineering Department

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Structural Design For
Hebron Hotel



Legend :

	Stone		Gravel
	R.Concrete		Wood
	Concrete		HEXAGONAL TILES
	Hollow Block		BAKLAVA TILES
	isolating materials		GRASS

DRAWING TITLE :

STAIR REINFORCEMENT

Supervisor

Dr.Hamdi idais.

Done by :

Mohammad AbuZahra
Sadam AbuQbete
Mohammad Nawajaa

SCALE	No. of DRAW	DATE
1/100	S66	21/05/2023