*Palestine Polytechnic University*
*College of Engineering*
*Architectural Engineering*

# Graduation project
# Structural Design Of Al-Amal Hospital

Supervisor :

ENG. Hamdi Ideas

Done by :

Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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Project: Hospital

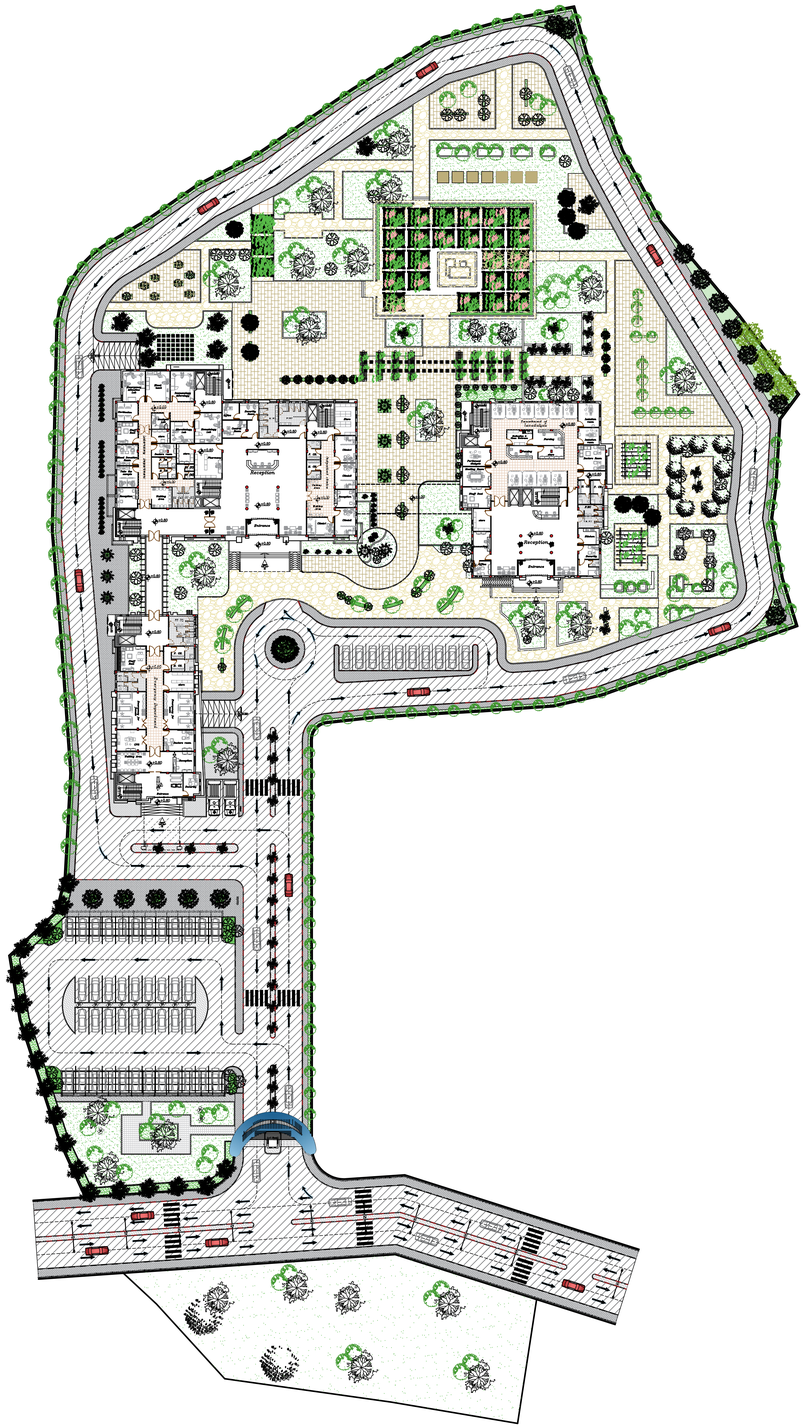
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Master plane

| SCALE | NO. OF DRAW |
|---|---|
| 1:500 | A:01 |



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Project: Hospital

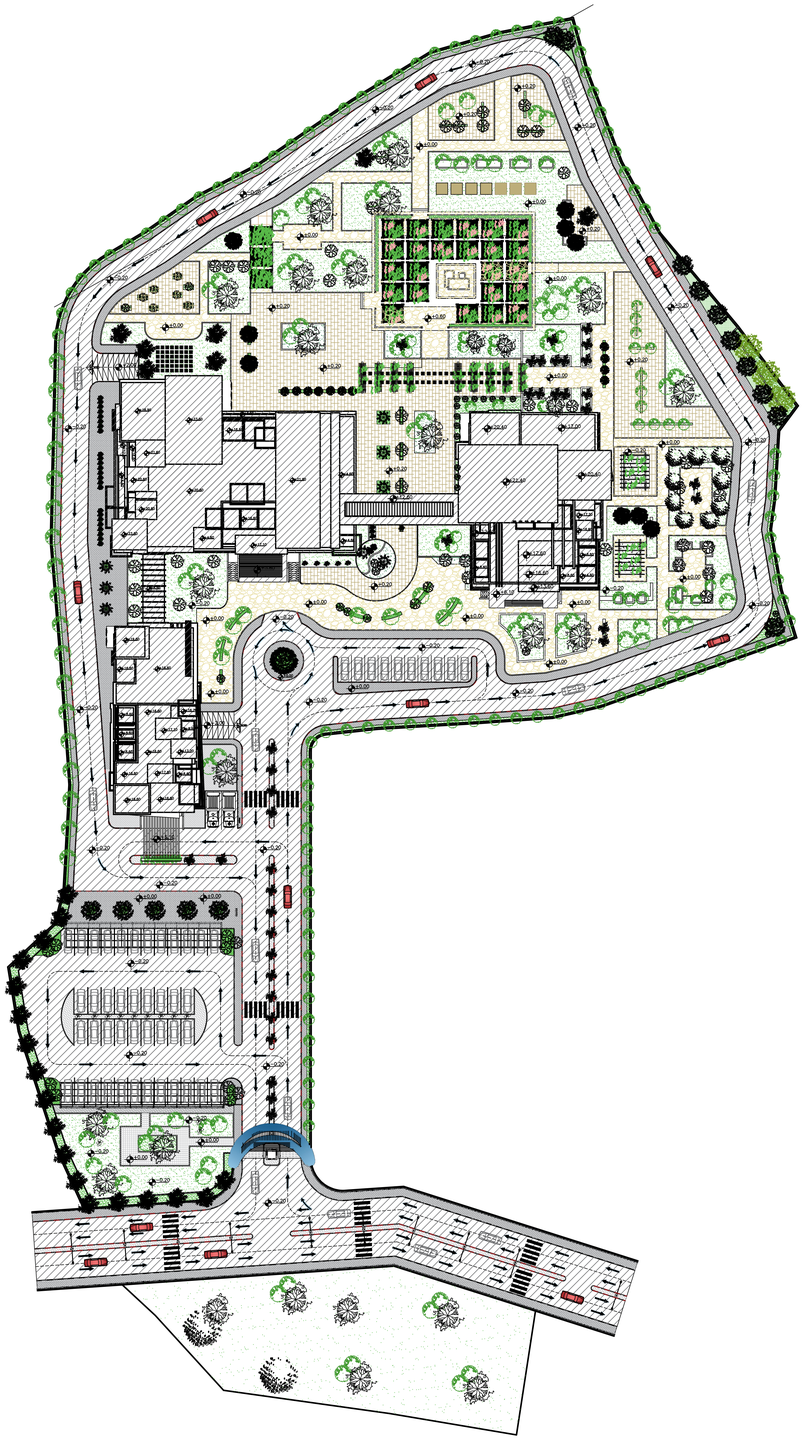
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Site plane

| SCALE | NO. OF DRAW |
|---|---|
| 1:500 | A:02 |



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# Project: Hospital

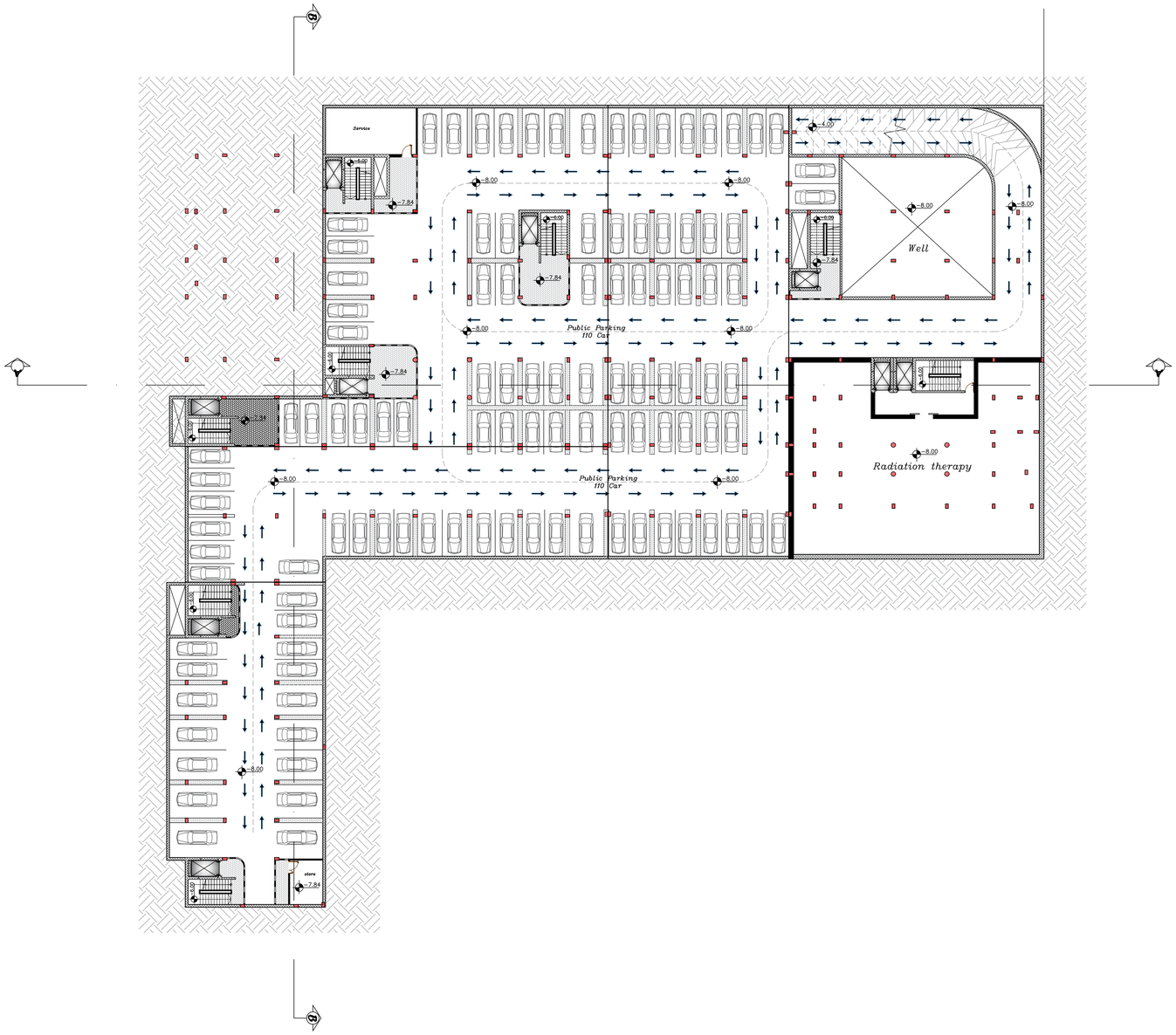
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Basement #2
Floor Furniture

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:03 |



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# Project: Hospital

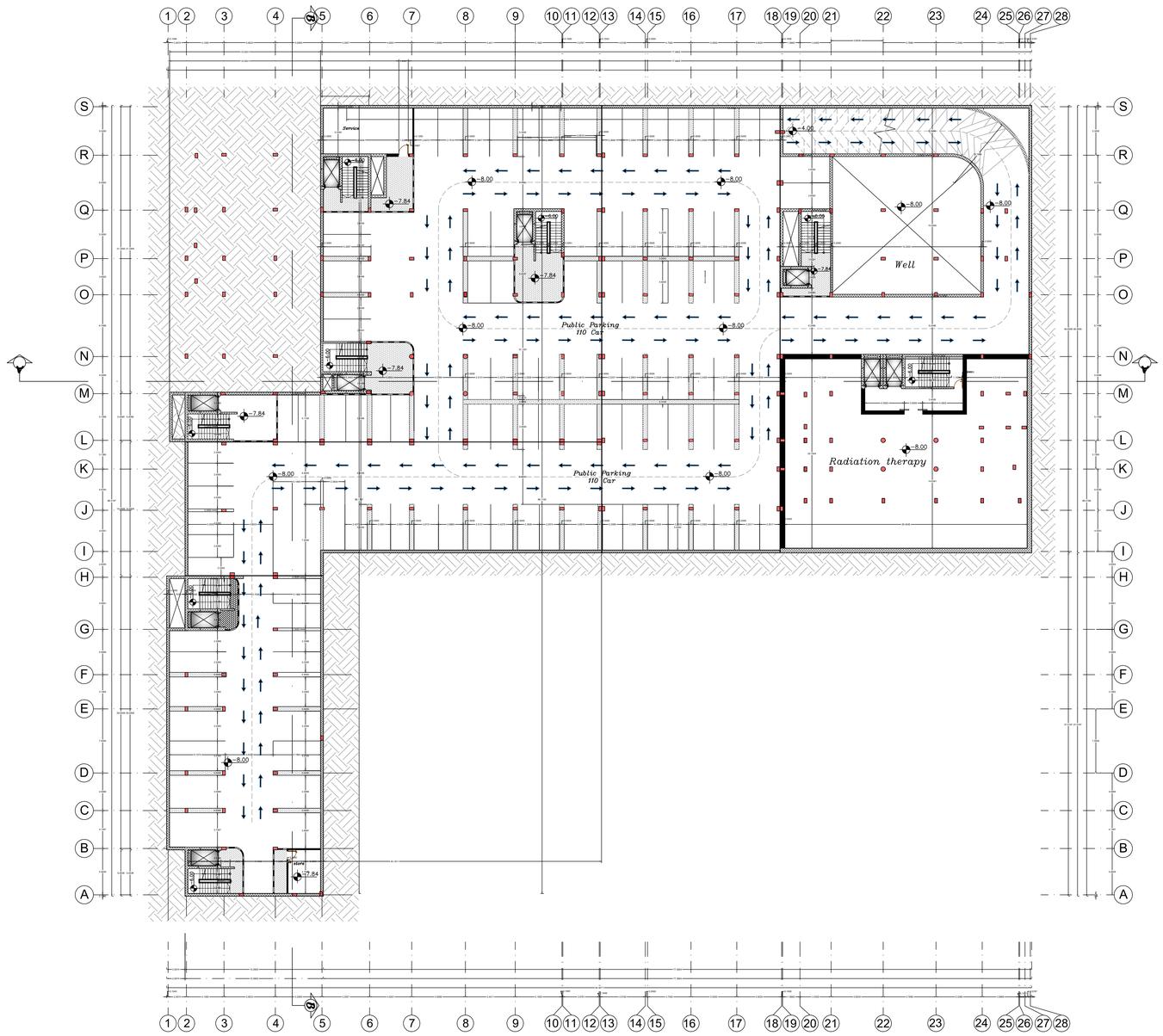
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Basement #2
Floor dimension

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:04 |



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Project: Hospital

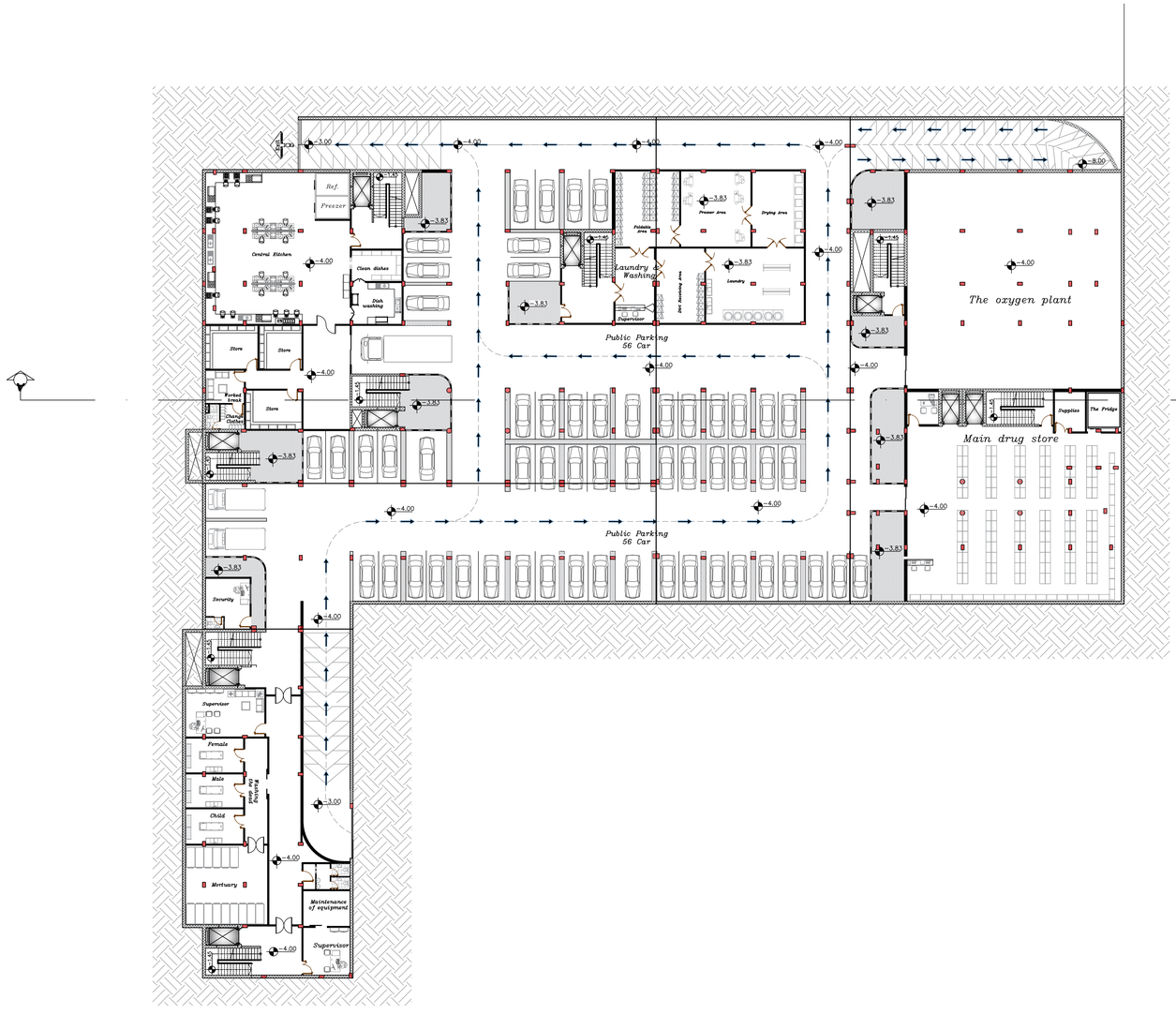
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Basement #1
Floor Furniture

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:05 |



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# Project: Hospital

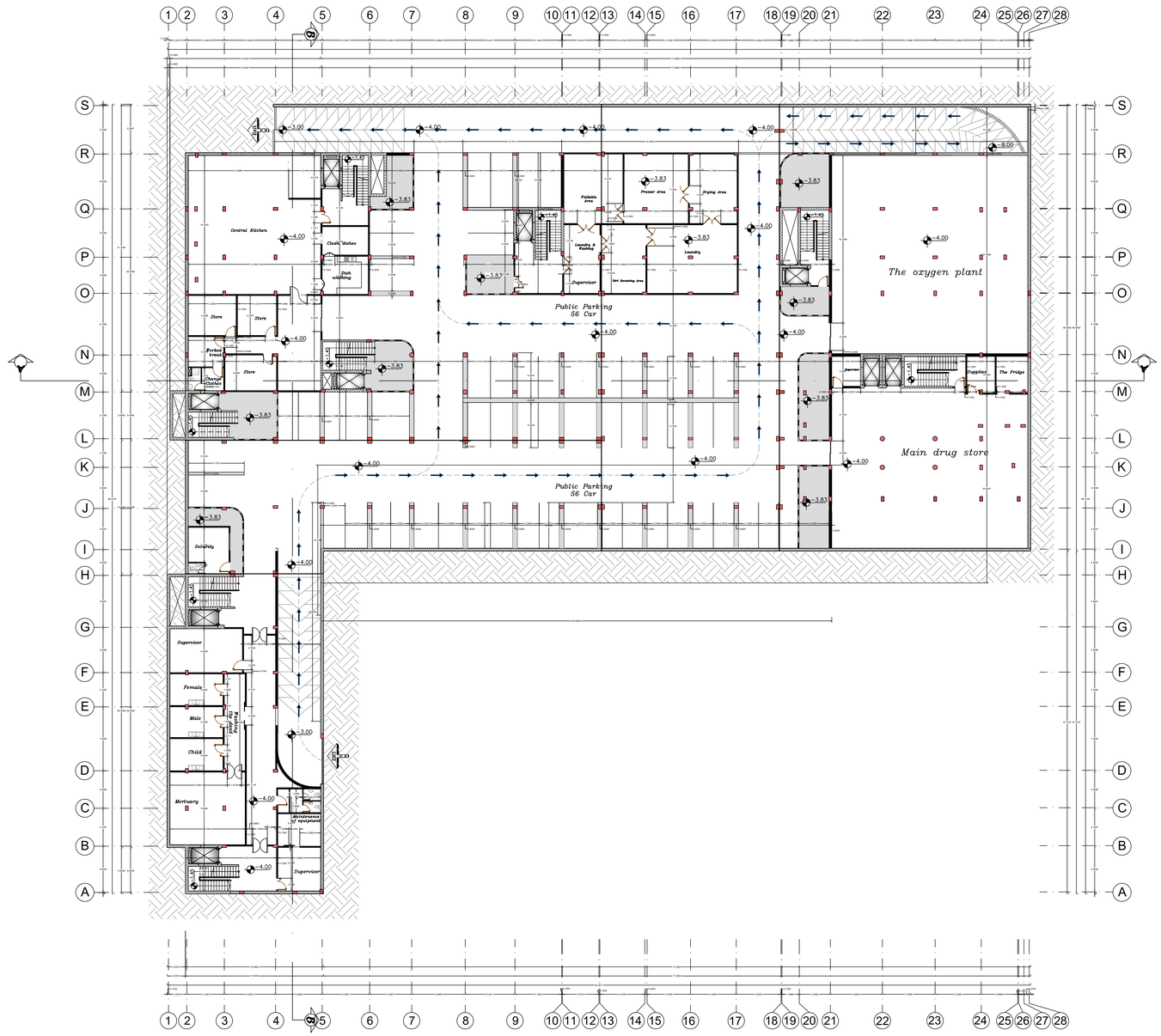
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Basement #1
Floor dimension

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:06 |



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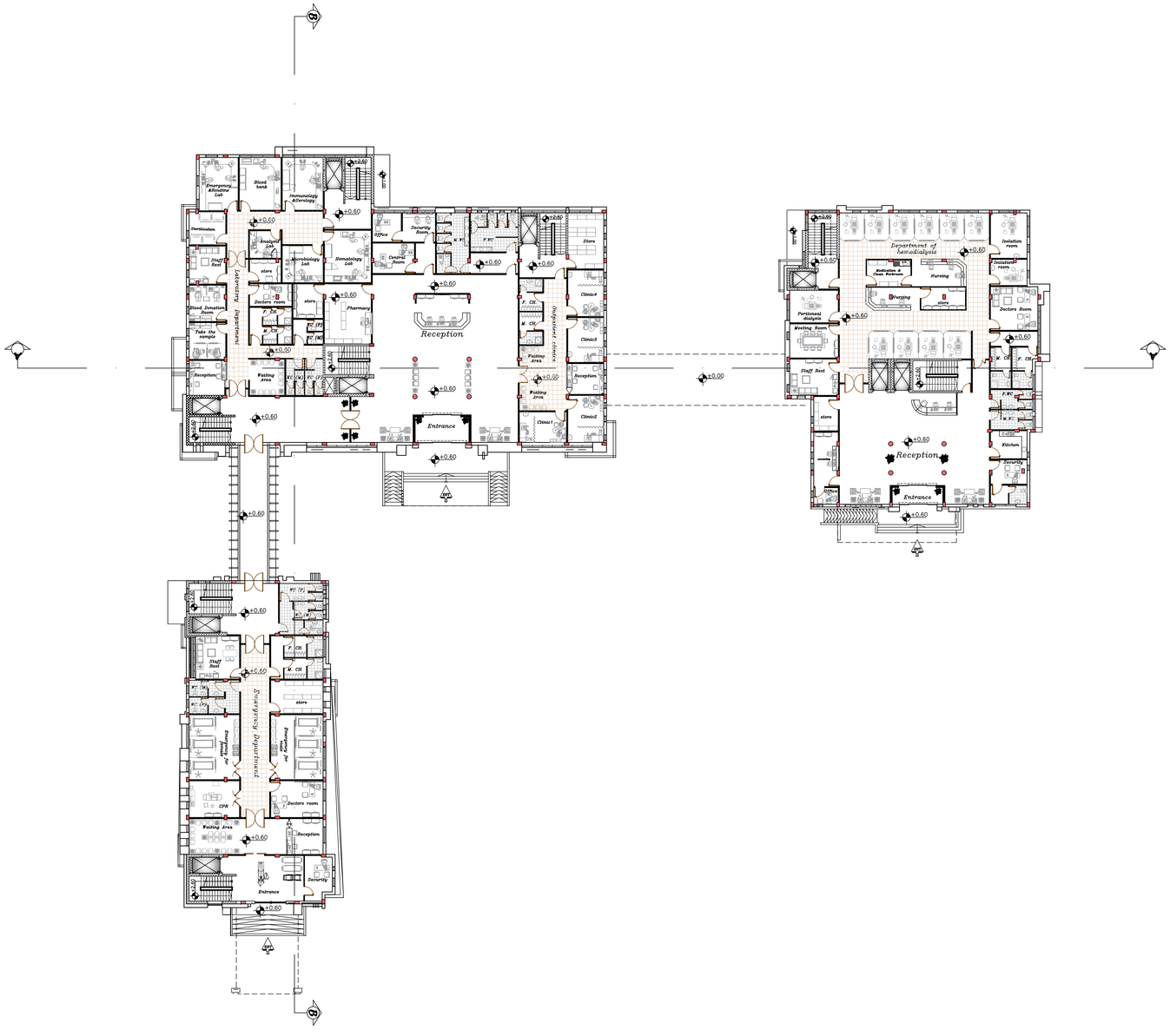
Project: Hospital

Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:
Ground Floor Furniture

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:07 |



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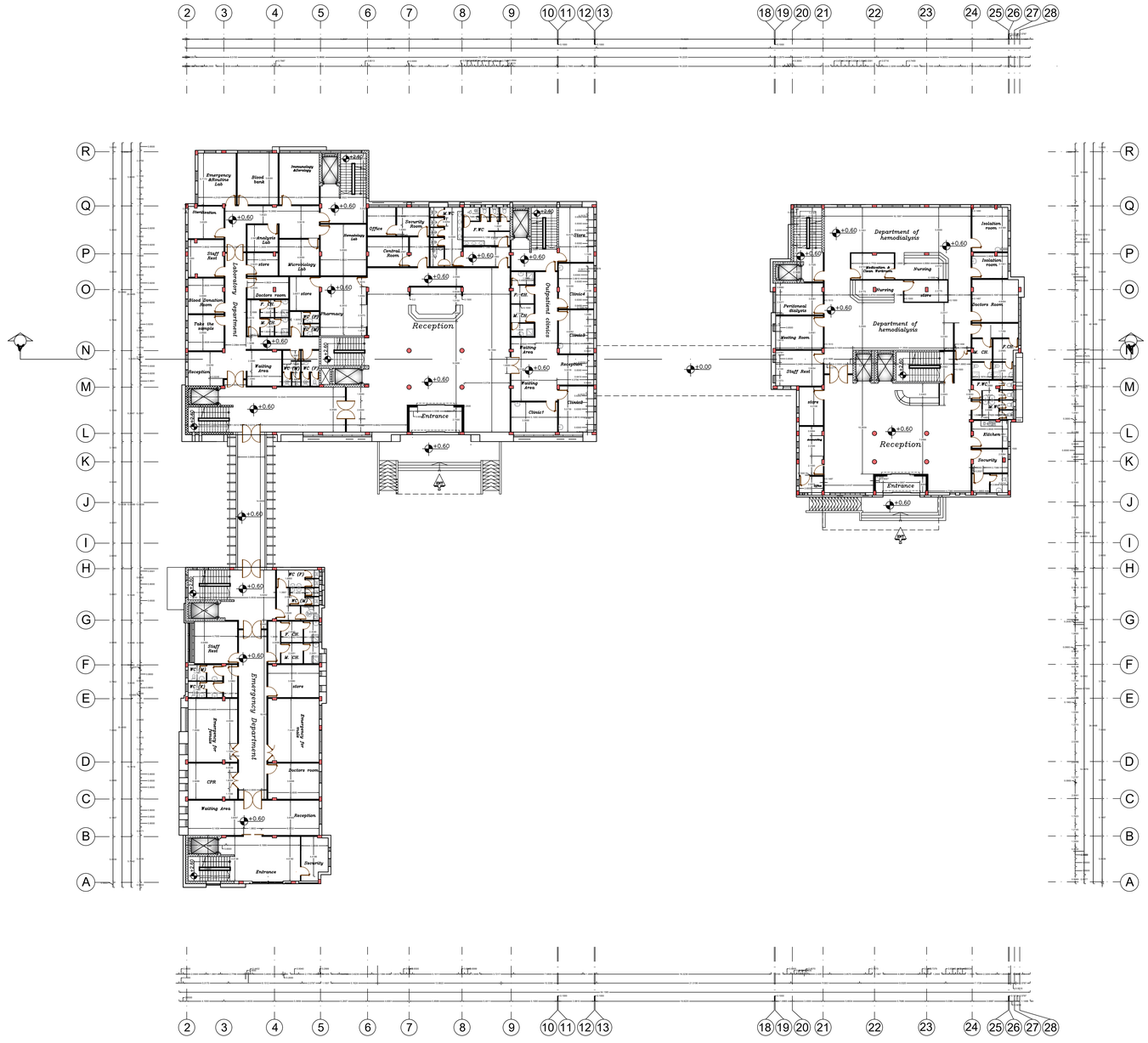
# Project: Hospital

Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:
Ground Floor dimension

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:08 |



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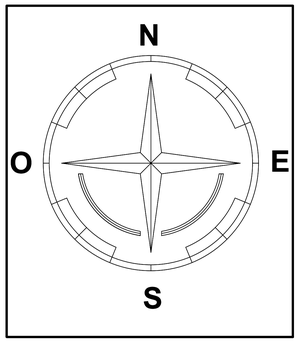



Project: Hospital

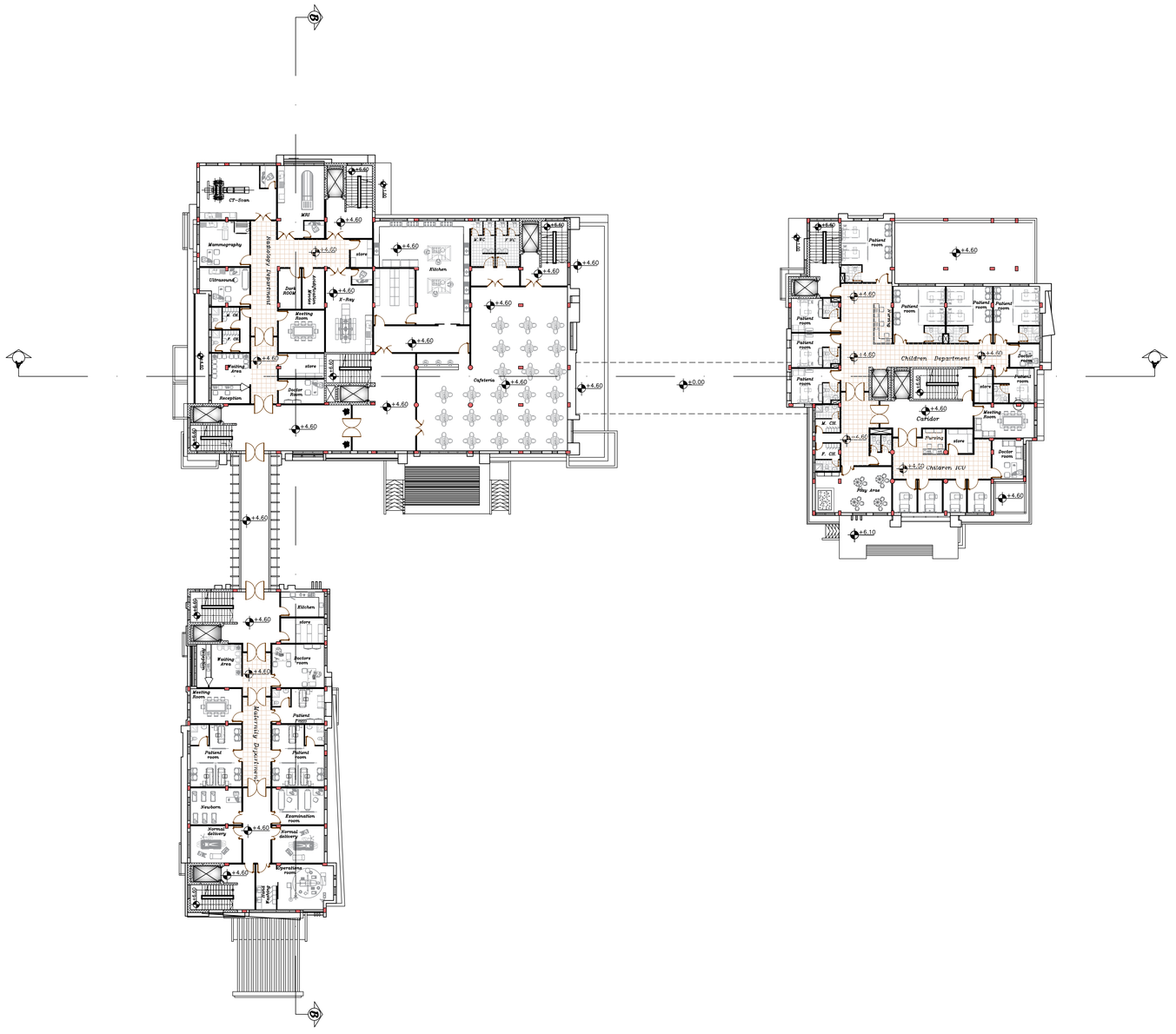
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

First Floor Furniture

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:09 |



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# Project: Hospital

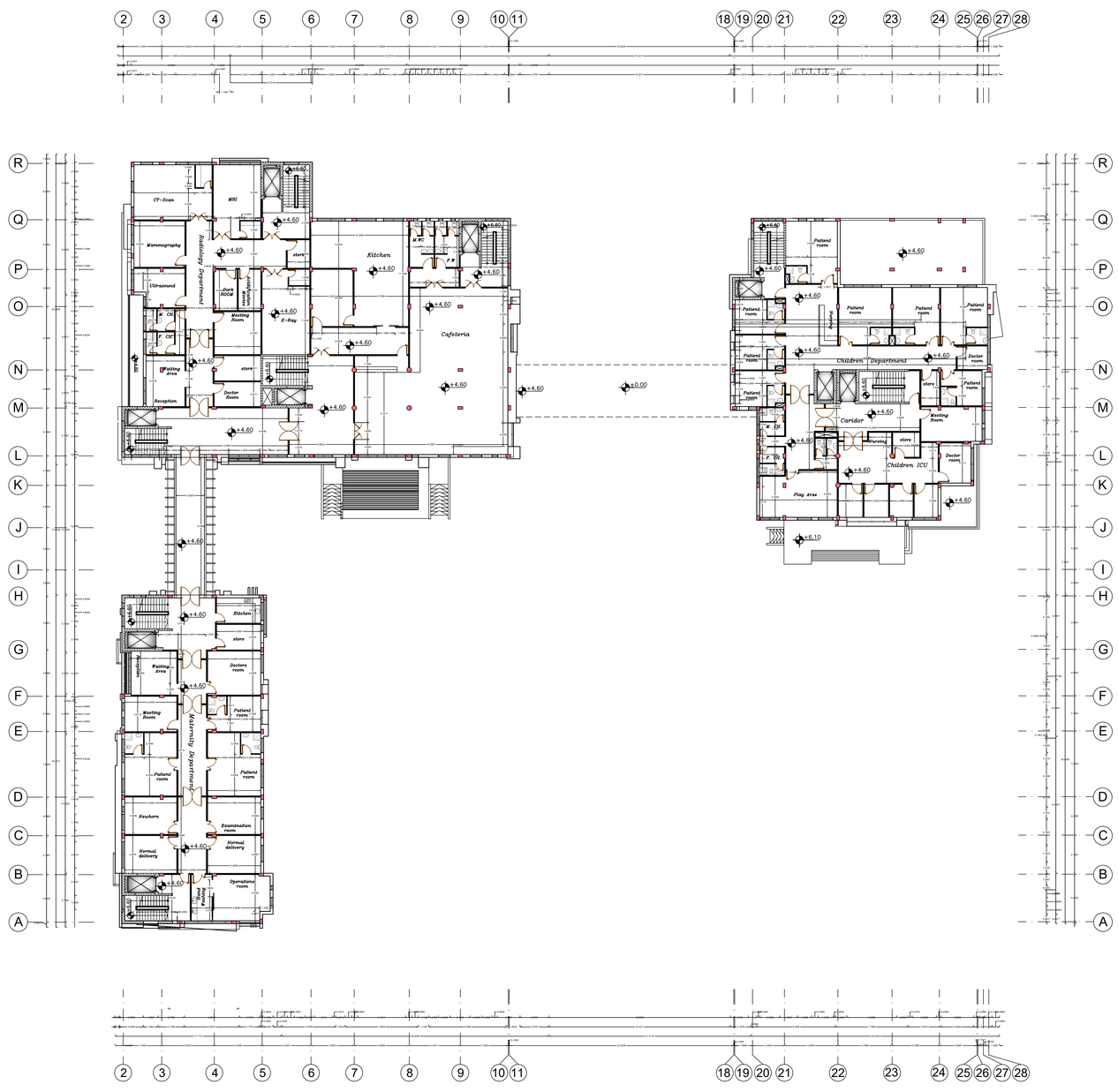
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

First Floor dimension

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:10 |



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# Project: Hospital

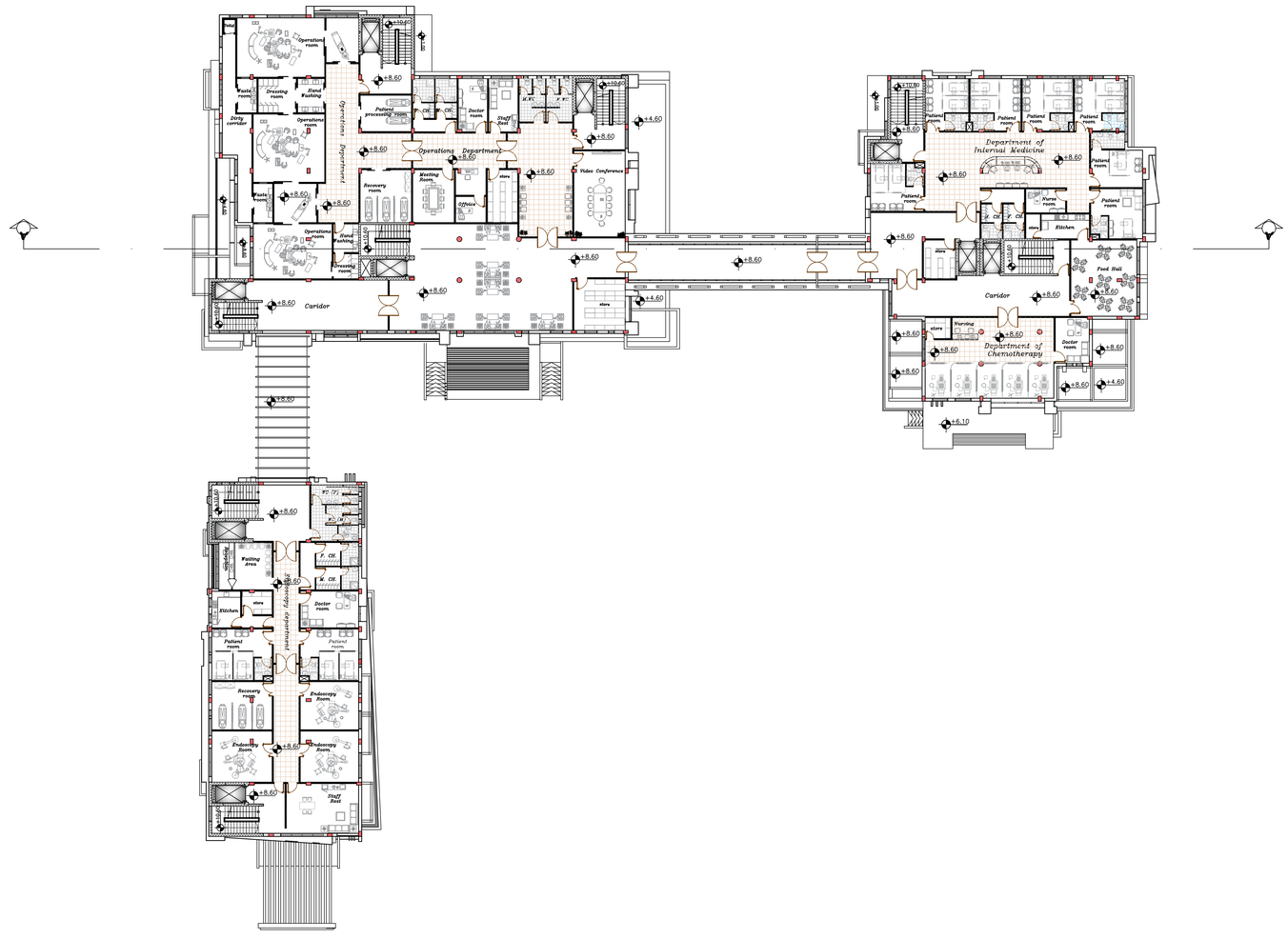
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Second Floor Furniture

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:11 |



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# Project: Hospital

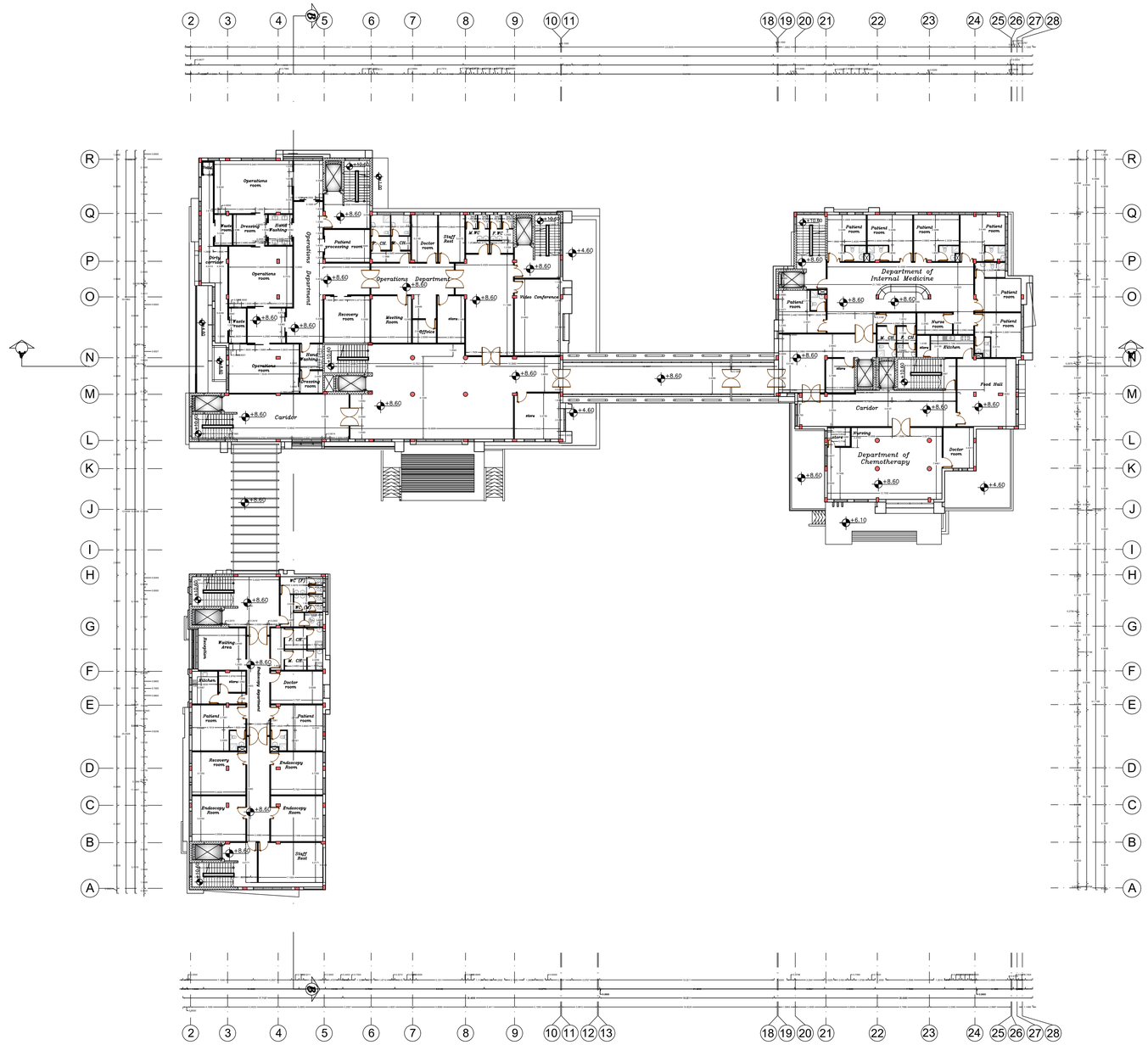
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Second Floor dimension

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:12 |



Palestine Polytechnic University
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# Project: Hospital

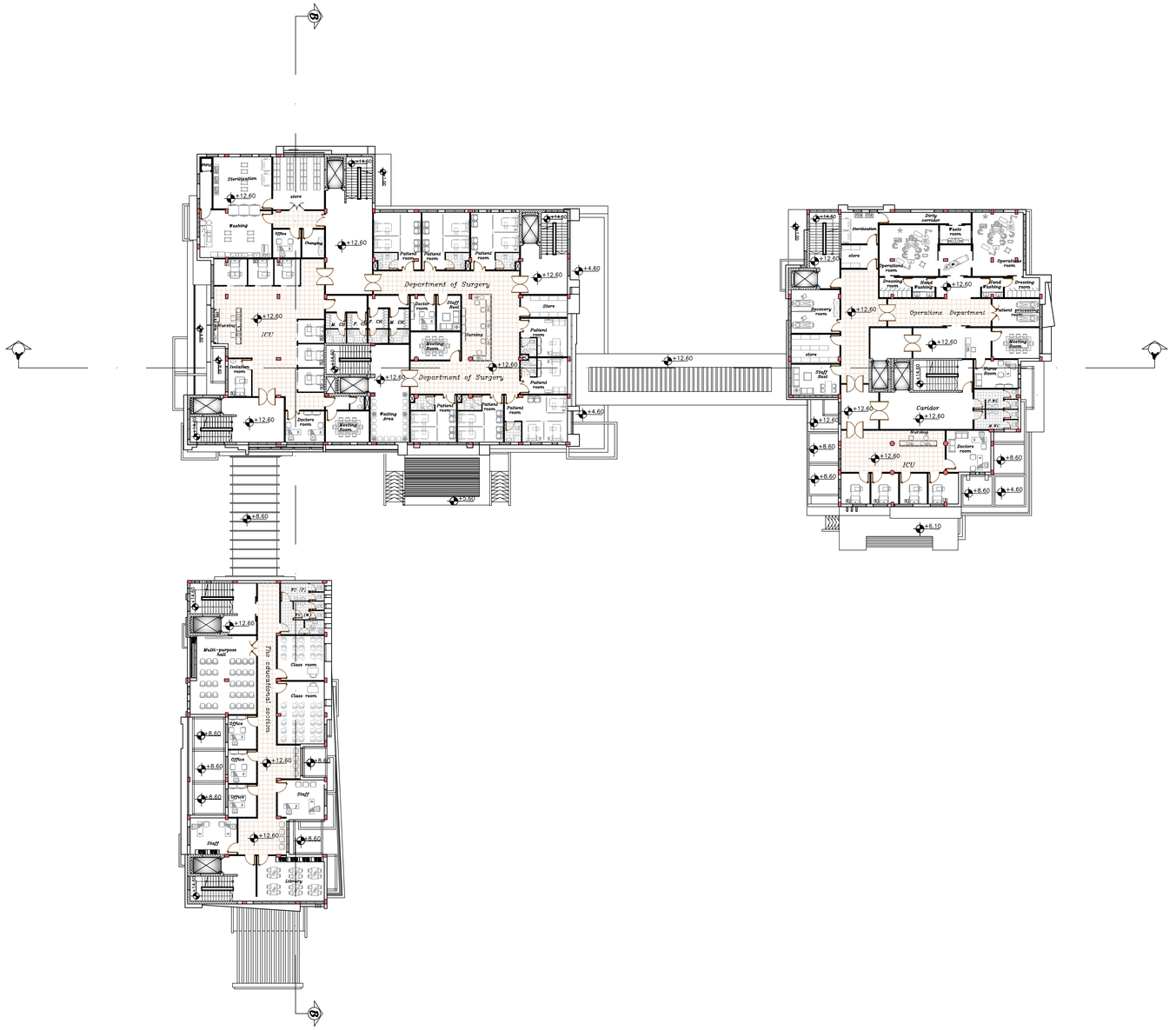
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Third Floor Furniture

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:13 |



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# Project: Hospital

Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Third Floor dimension

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:14 |

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Project: Hospital

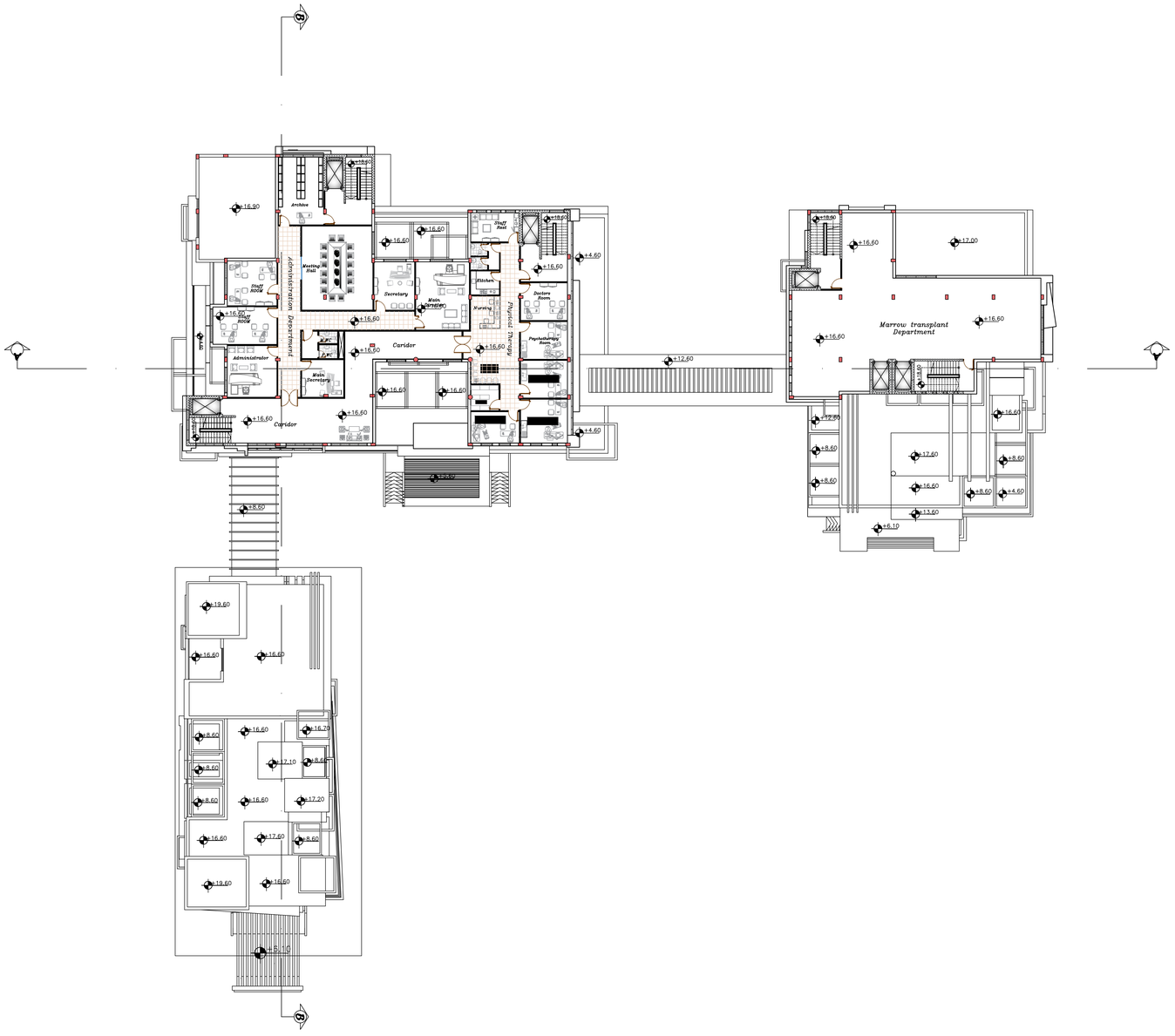
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Forth Floor Furniture

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:15 |



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# Project: Hospital

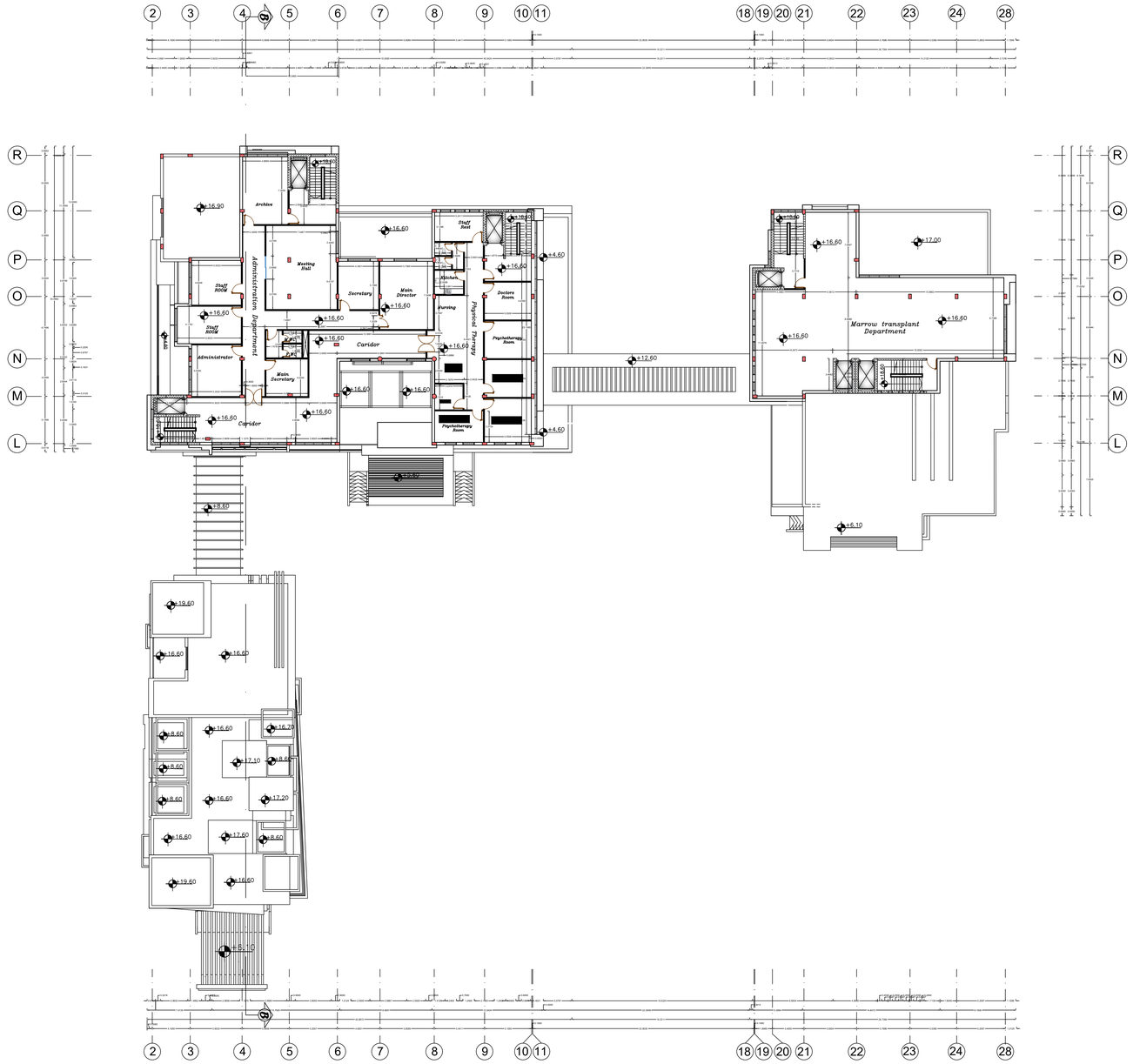
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Forth Floor dimension

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:16 |



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Project: Hospital

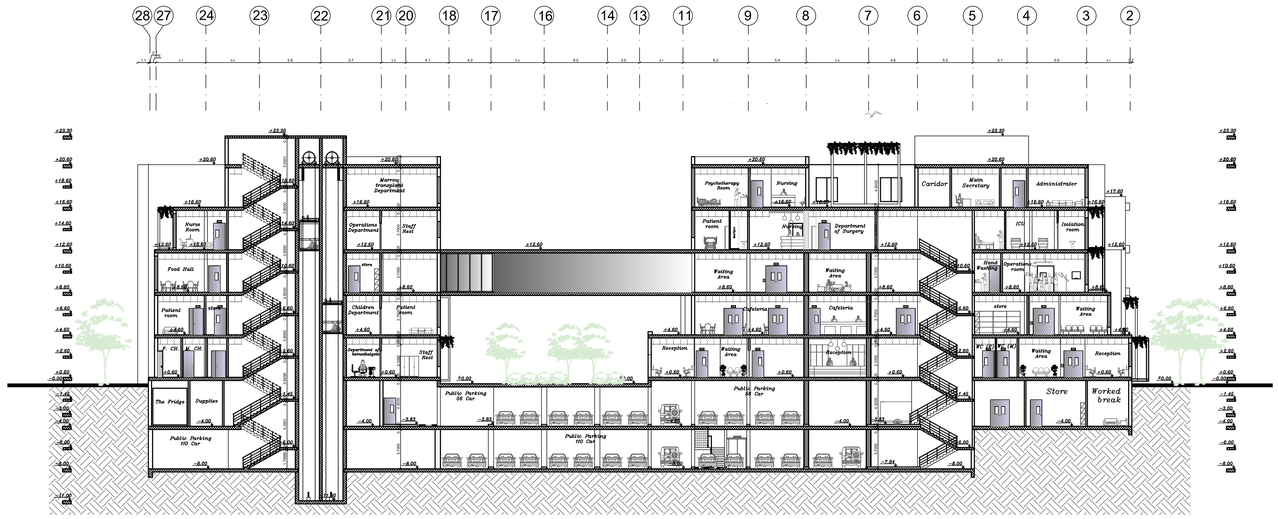
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

sections

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:17 |




Section A–A

Section B–B

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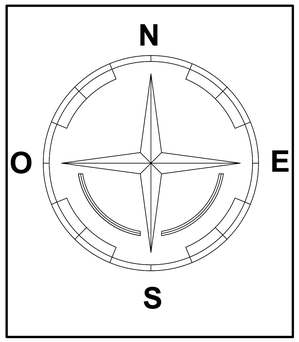
Civil Engineering




Project: Hospital

Supervisor: ENG. Hamdi Ideas

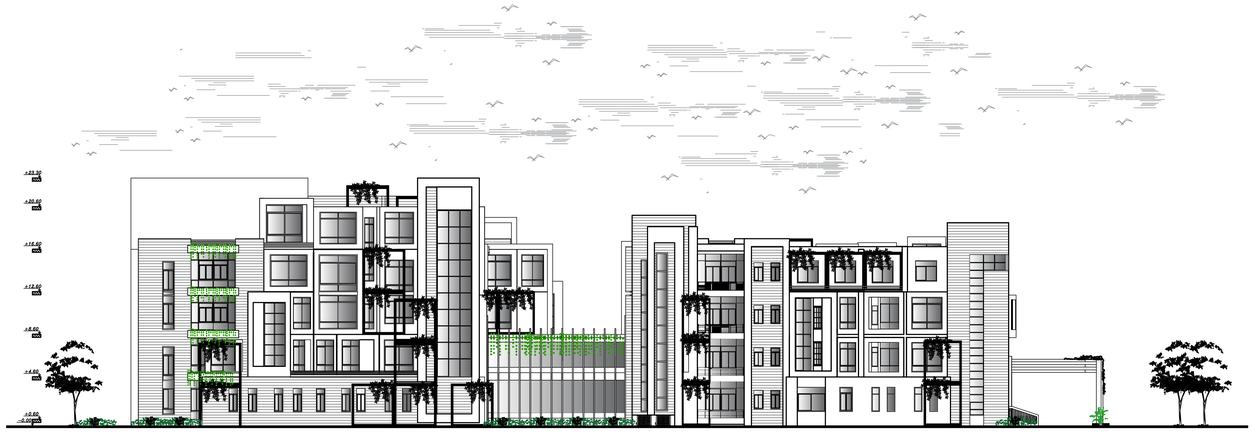
Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Elevations

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:18 |

*North Elevation*
*Scale :1/250*



*East Elevation*
*Scale :1/250*

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Project: Hospital

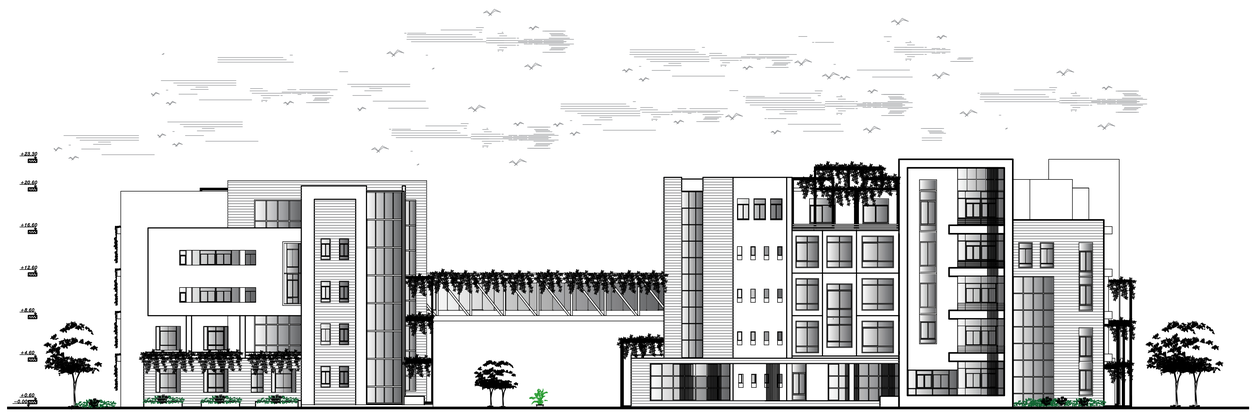
Supervisor: ENG. Hamdi Ideas

Done By:
Mahmud Masri
Mohammed Abo Tuhfa
Yazan Frijat
Zaid Abo Iawi

Drawing Title:

Elevations

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | A:19 |



South Elevation
Scale :1/250

West Elevation
Scale :1/250

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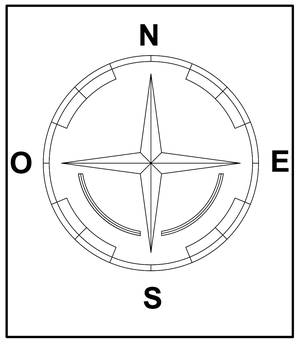



Project: Hospital

Supervisor:
ENG. Hamdi Ideas

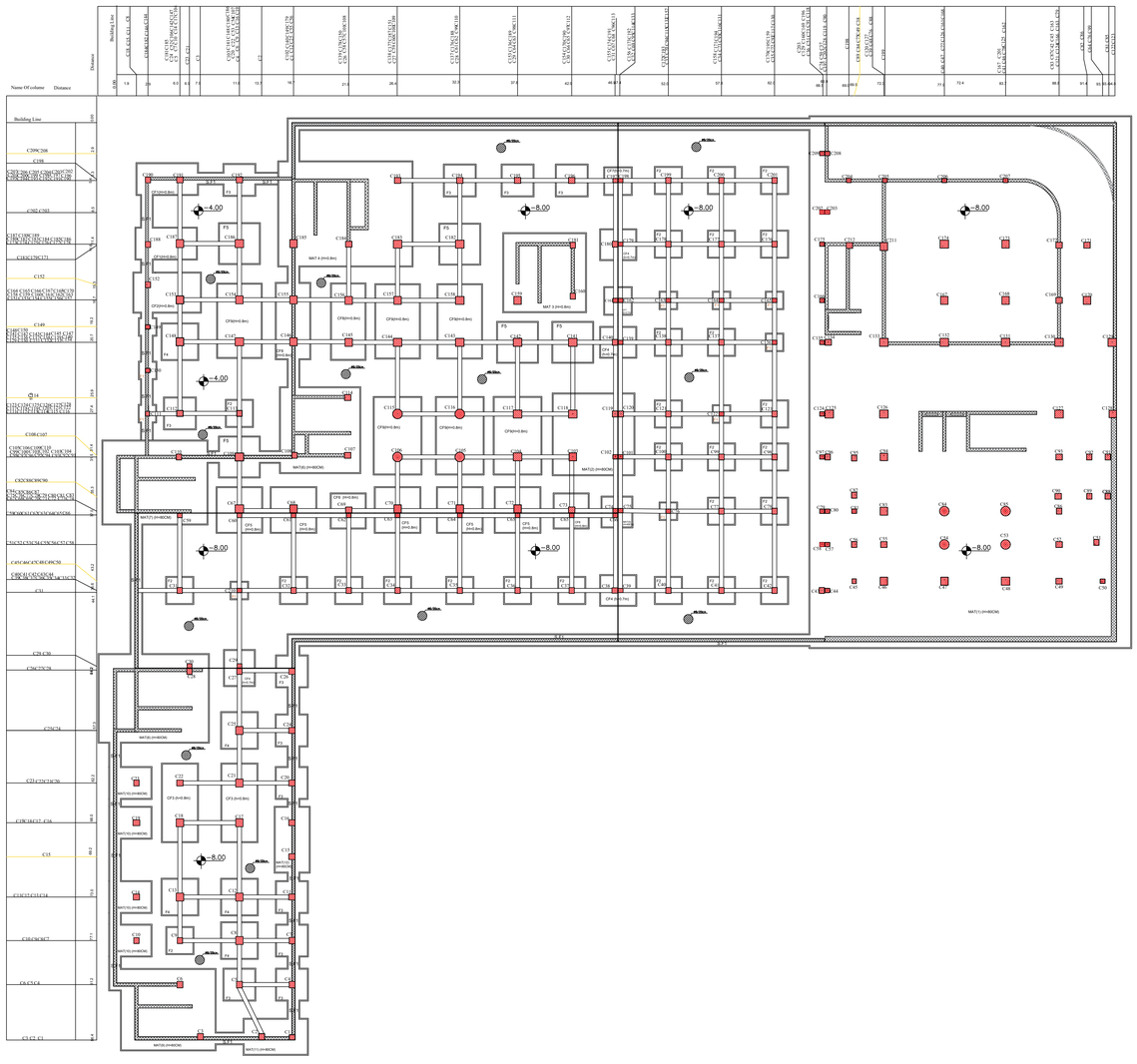
Done By:

Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:

Column and foundation Plane

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:001 |



Palestine Polytechnic University
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Civil Engineering

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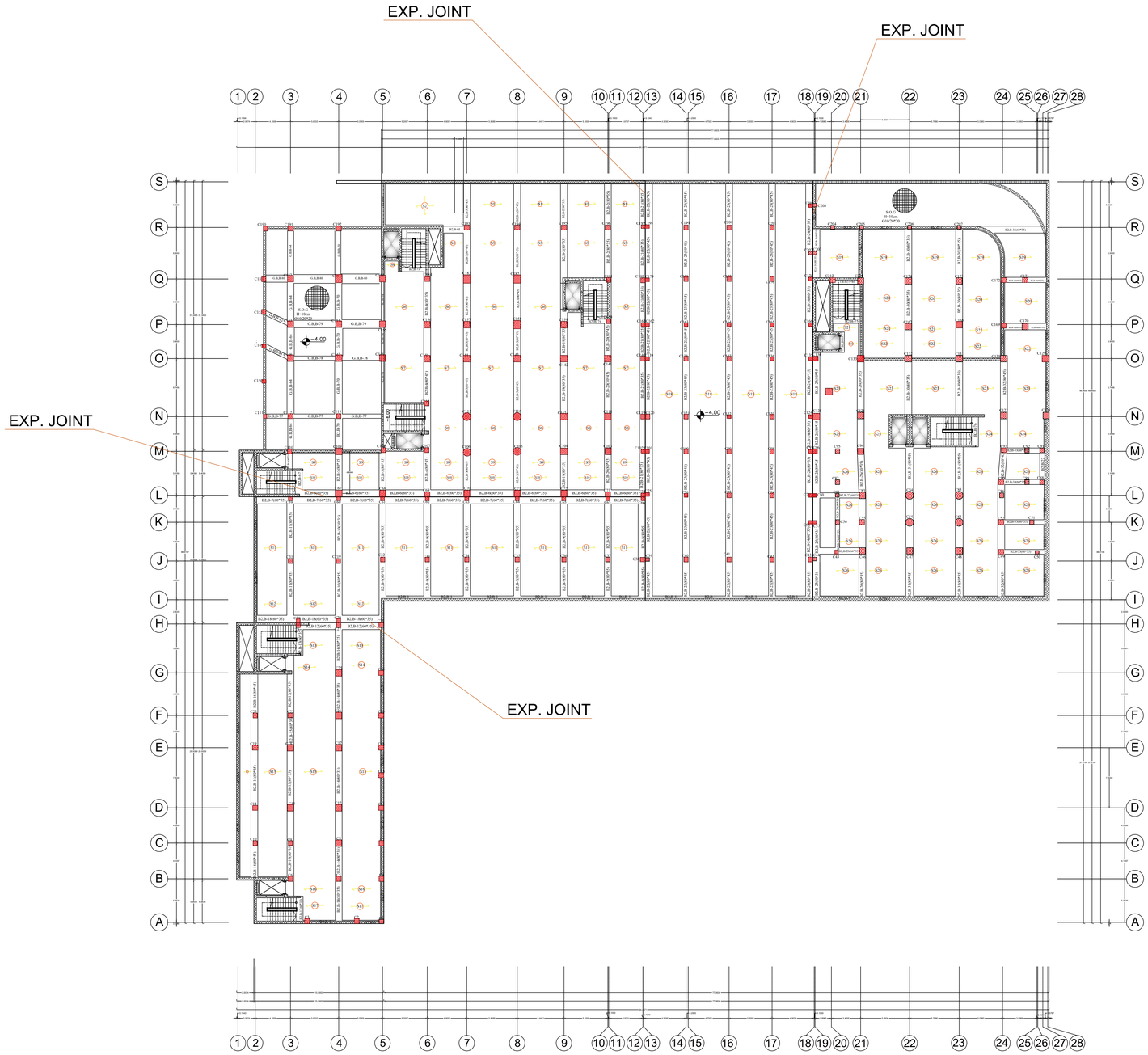
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Distribution of Slab (Basment2)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:002 |



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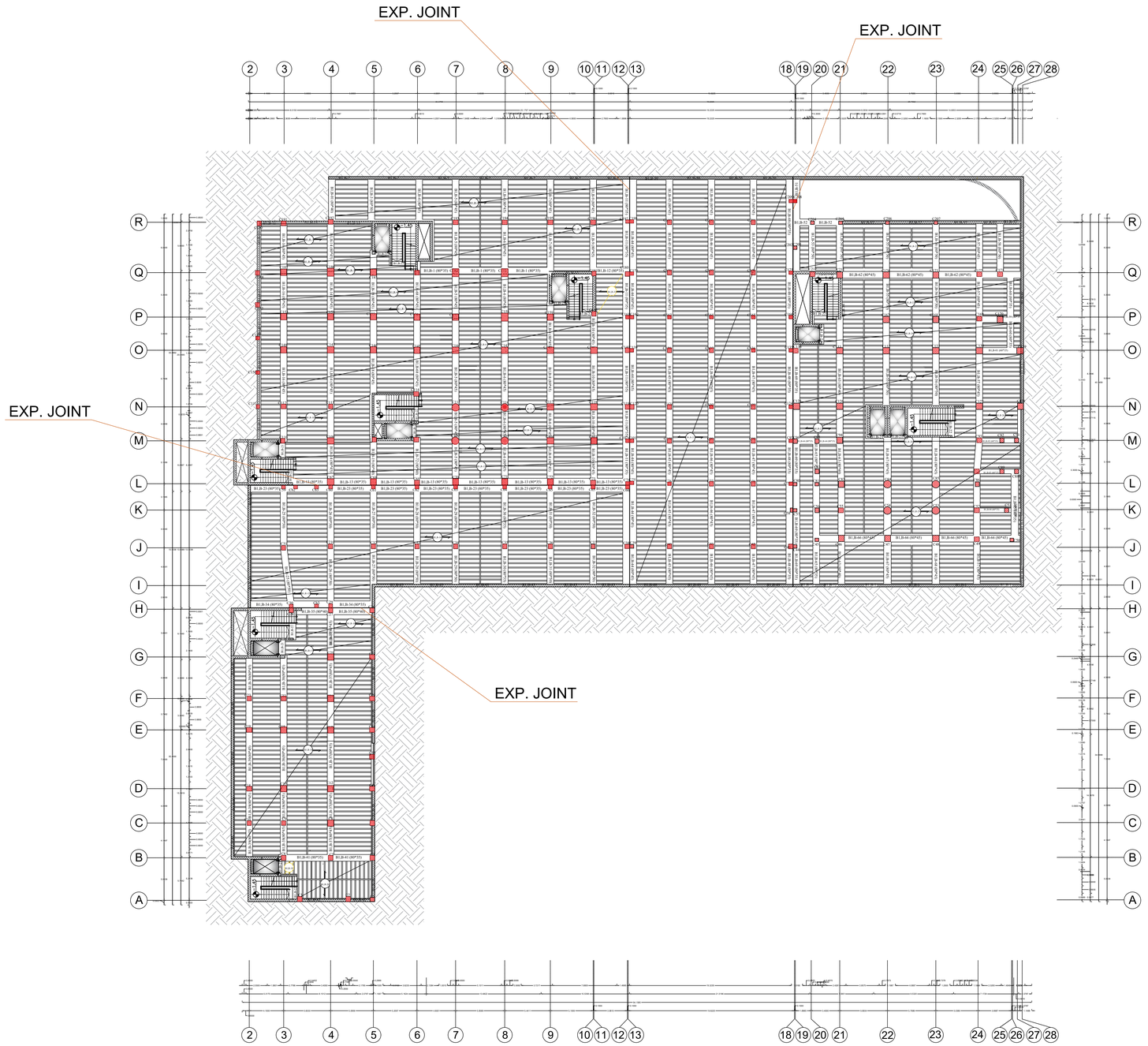
Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Distribution of Slab (Basment1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:003 |



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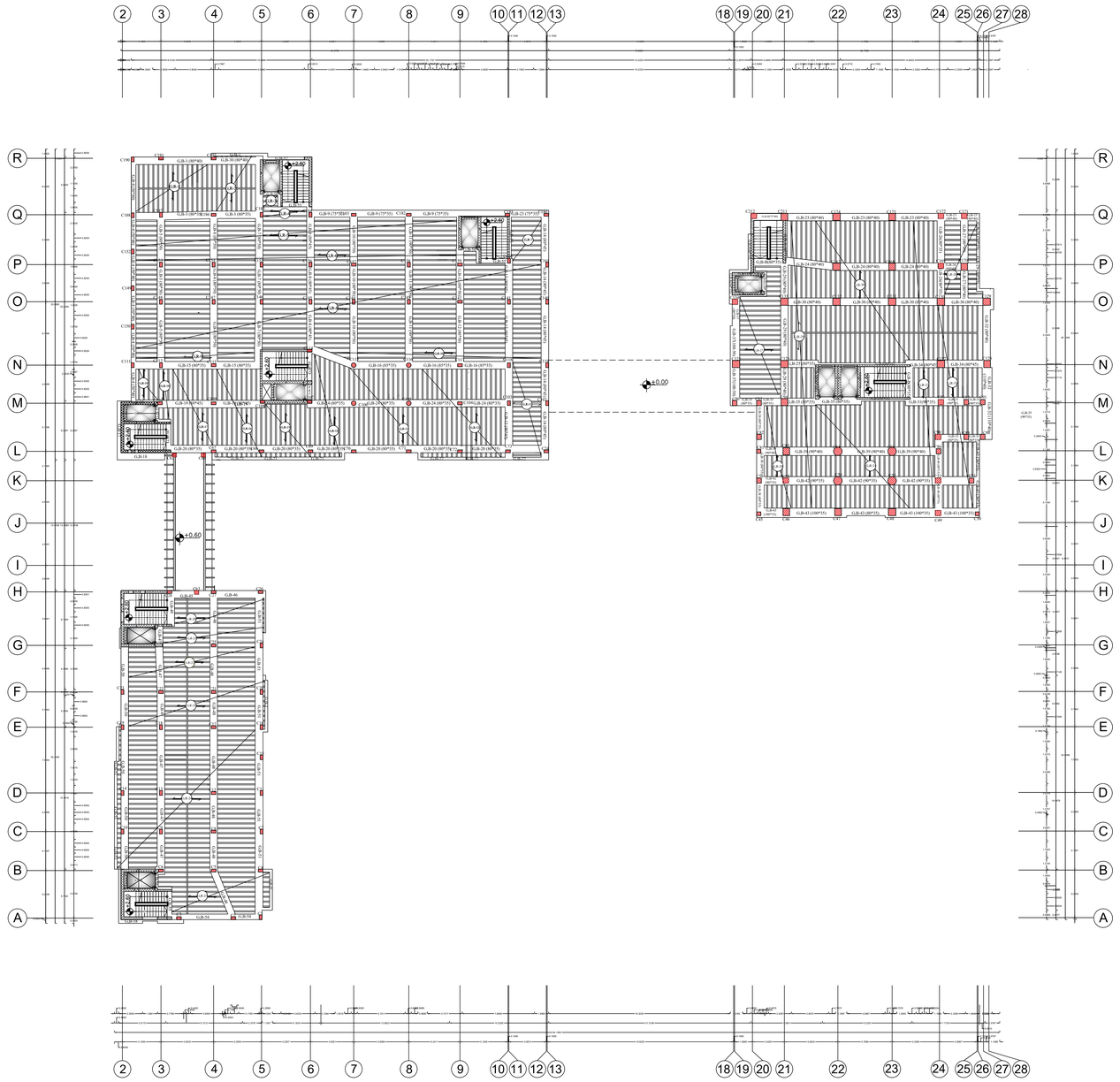
Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Distribution of Slab (Ground floor )

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:004 |



Palestine Polytechnic University
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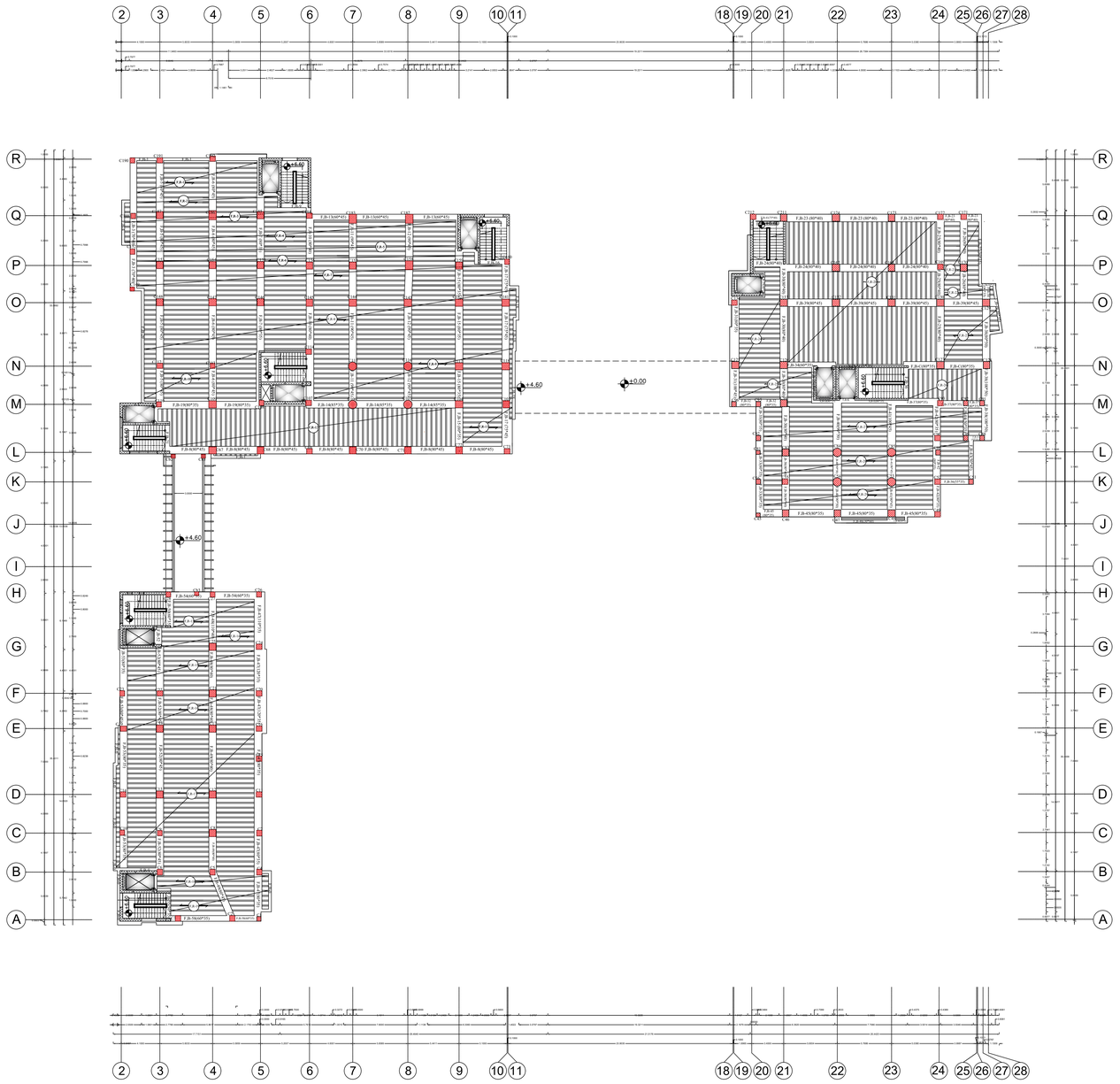
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Distribution of Slab (First floor )

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:005 |



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# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

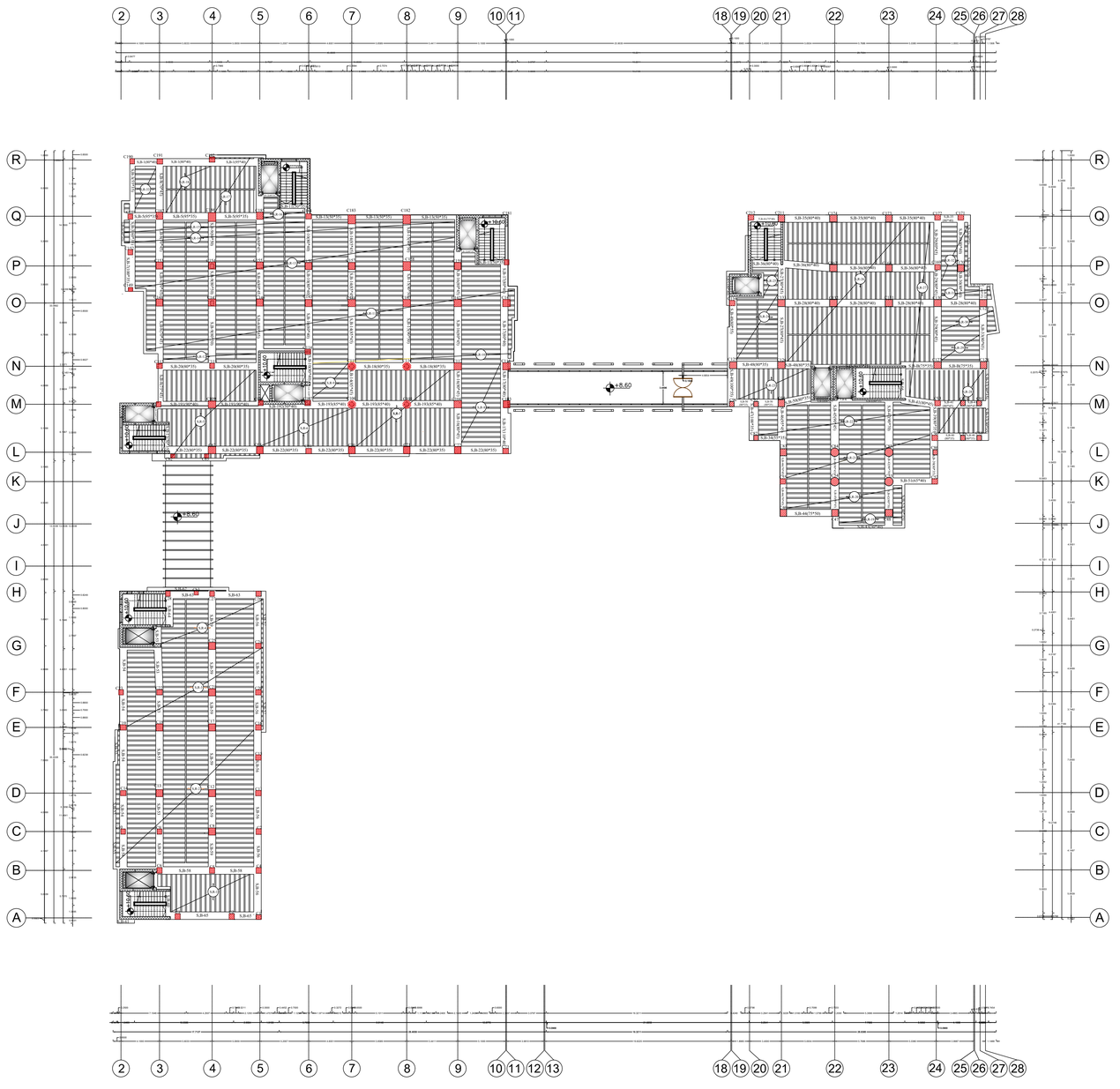
Done By:

Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:

Distribution of Slab (Second floor )

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:006 |



Palestine Polytechnic University
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Civil Engineering

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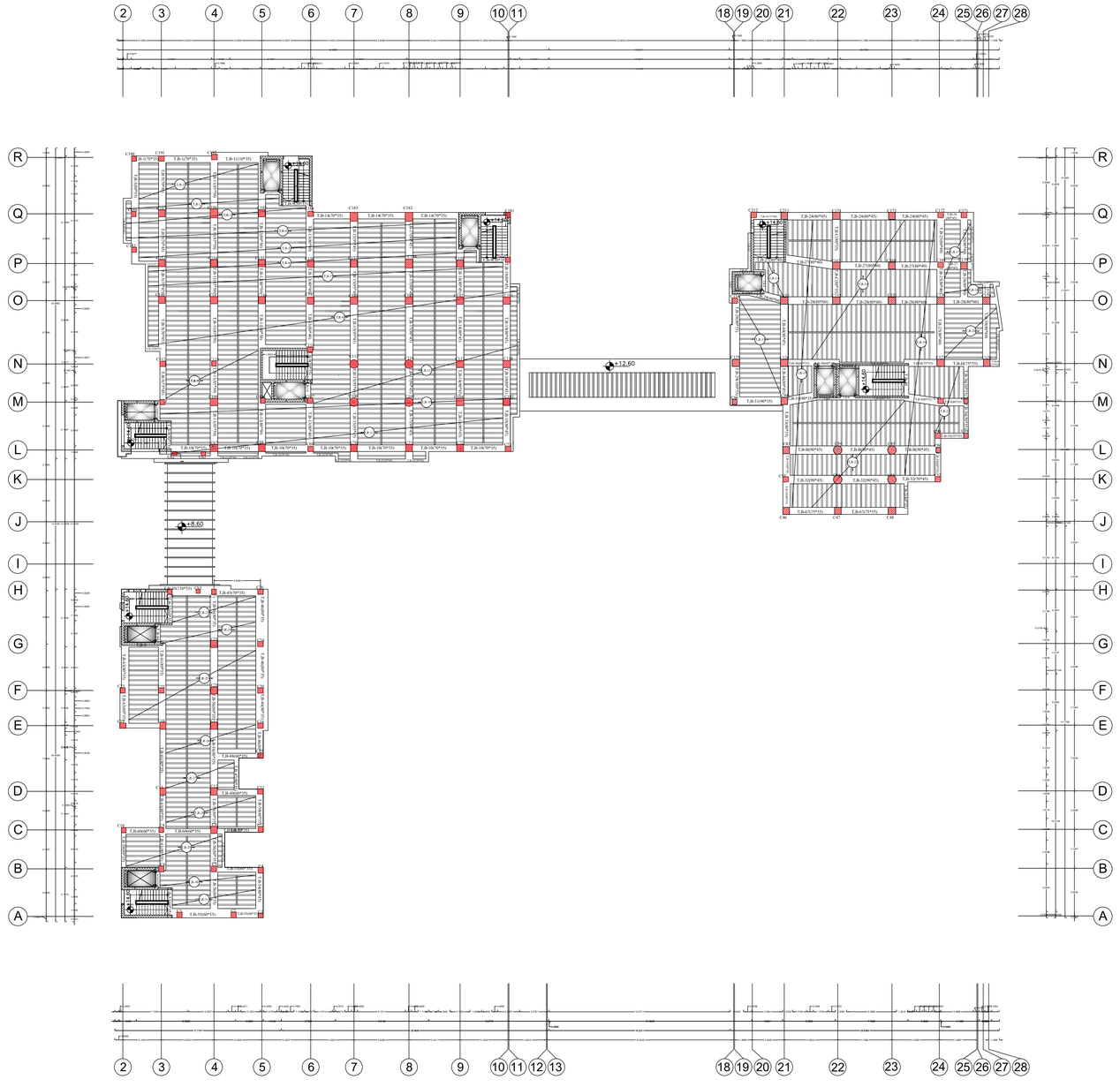
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Distribution of Slab (Third floor )

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:007 |



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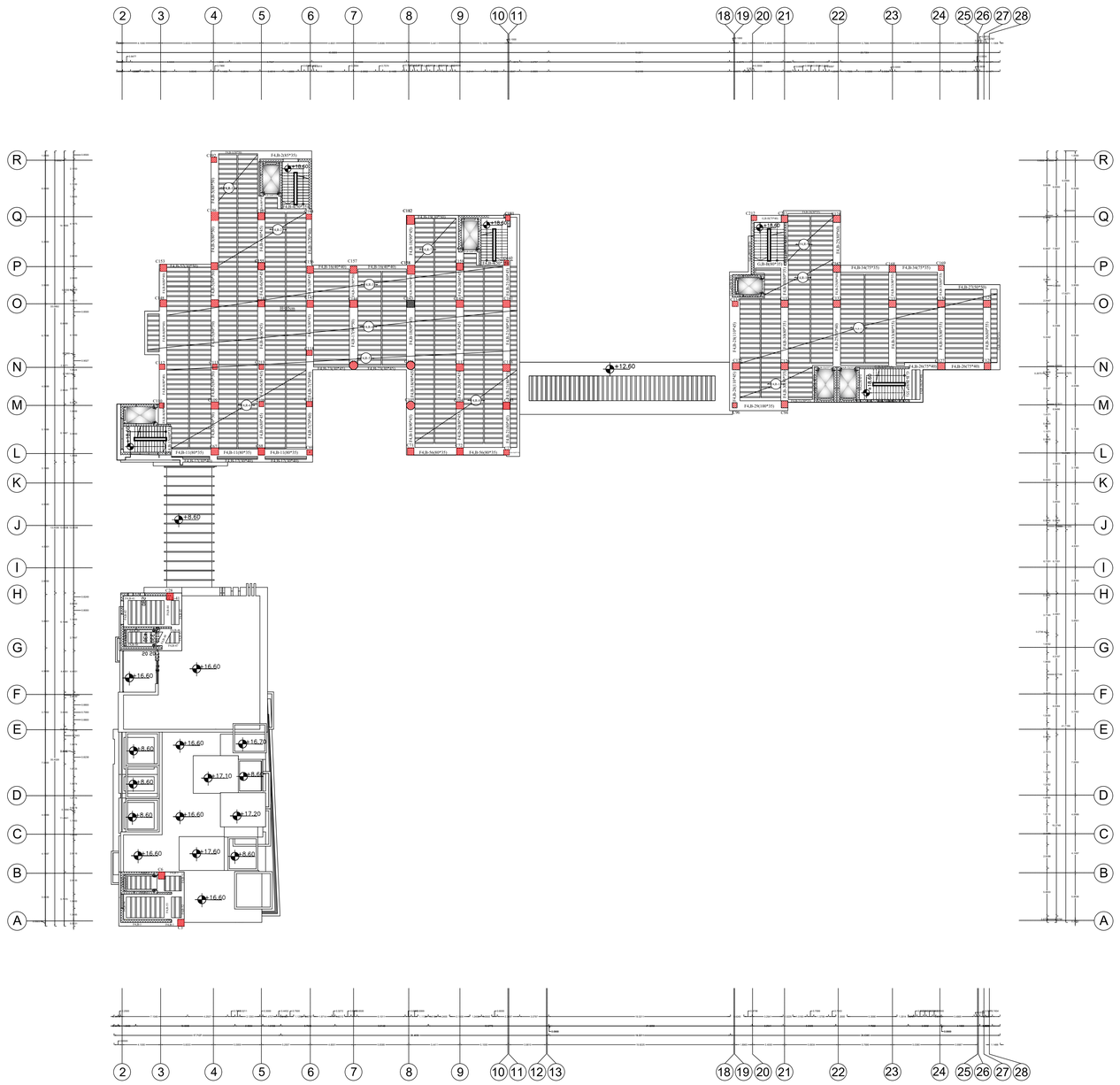
Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Distribution of Slab (fourth floor )

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:008 |



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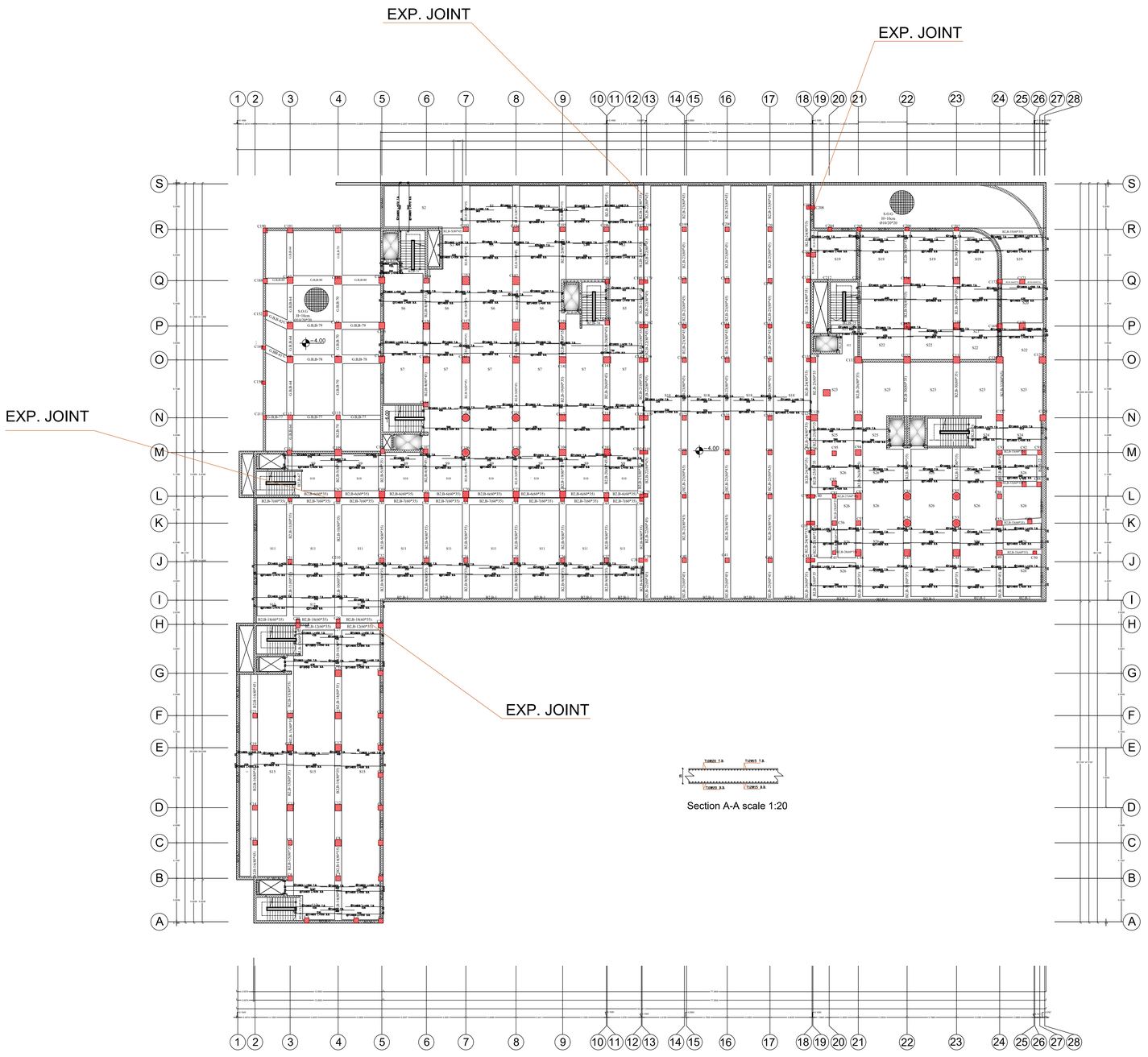
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Details Of solid slab (basement #2)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:009 |






Section A-A scale 1:20

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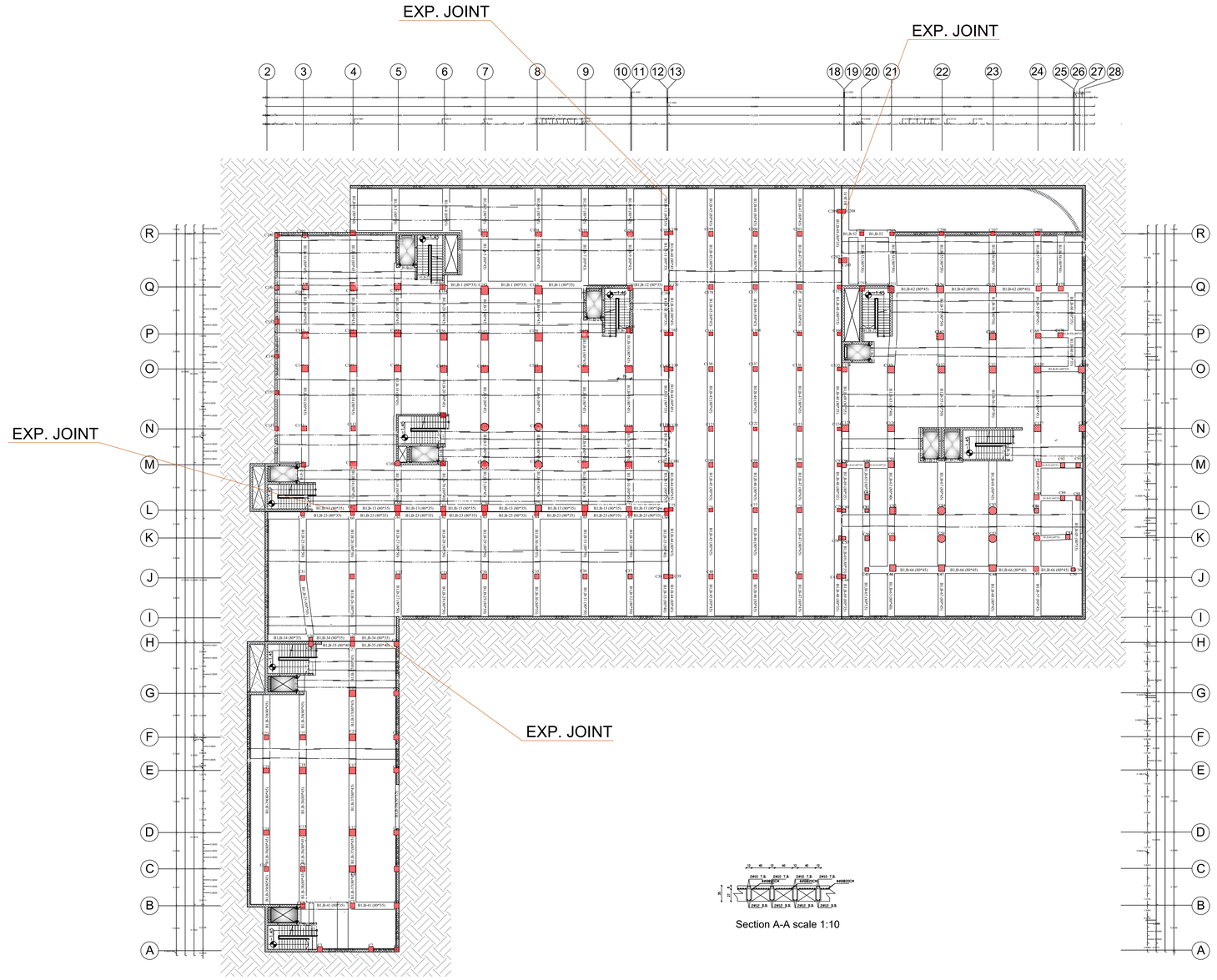
Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Rib (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:010 |






Section A-A scale 1:10

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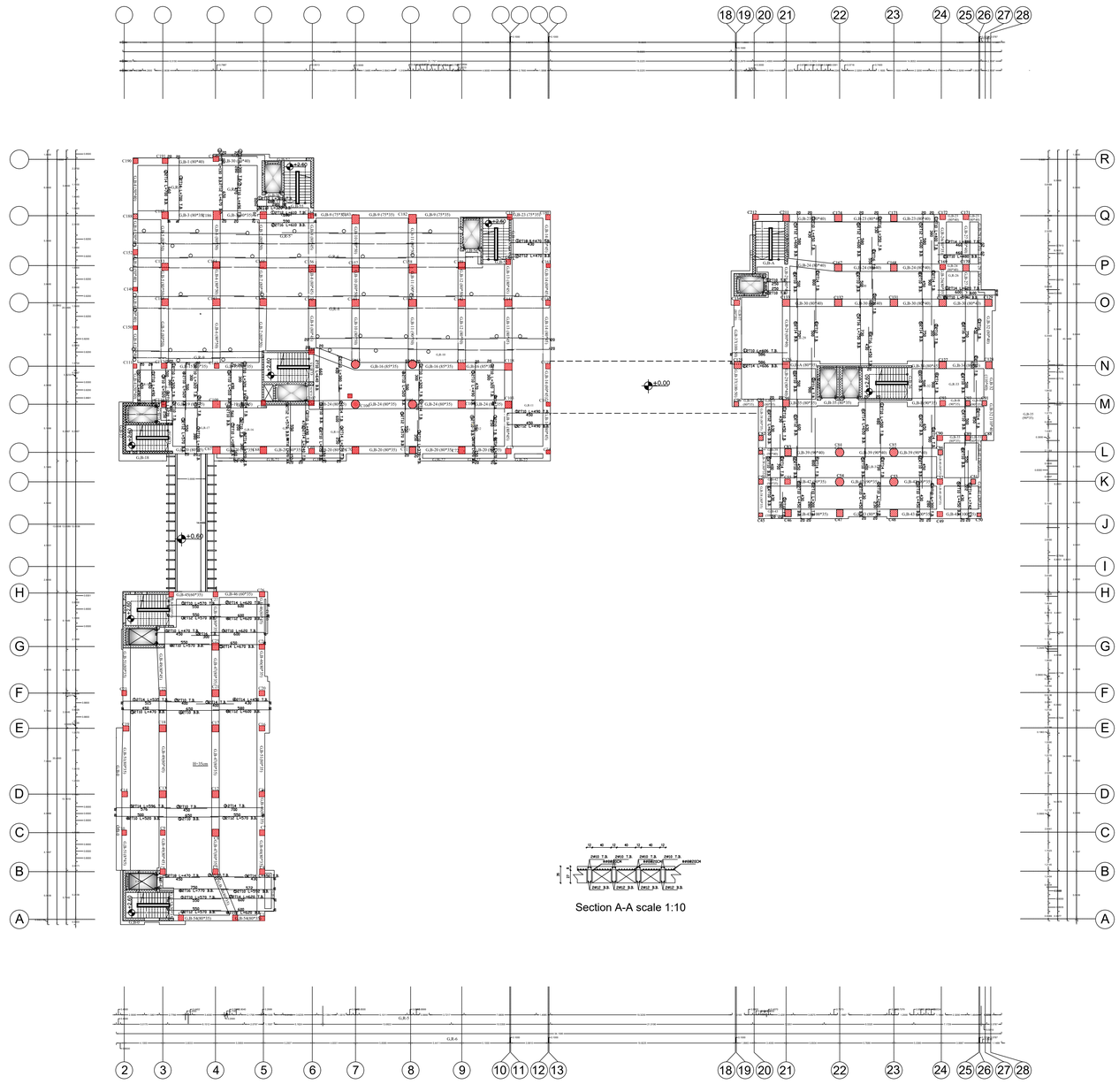
## Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Rib (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:011 |




Section A-A scale 1:10

Palestine Polytechnic University
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Civil Engineering

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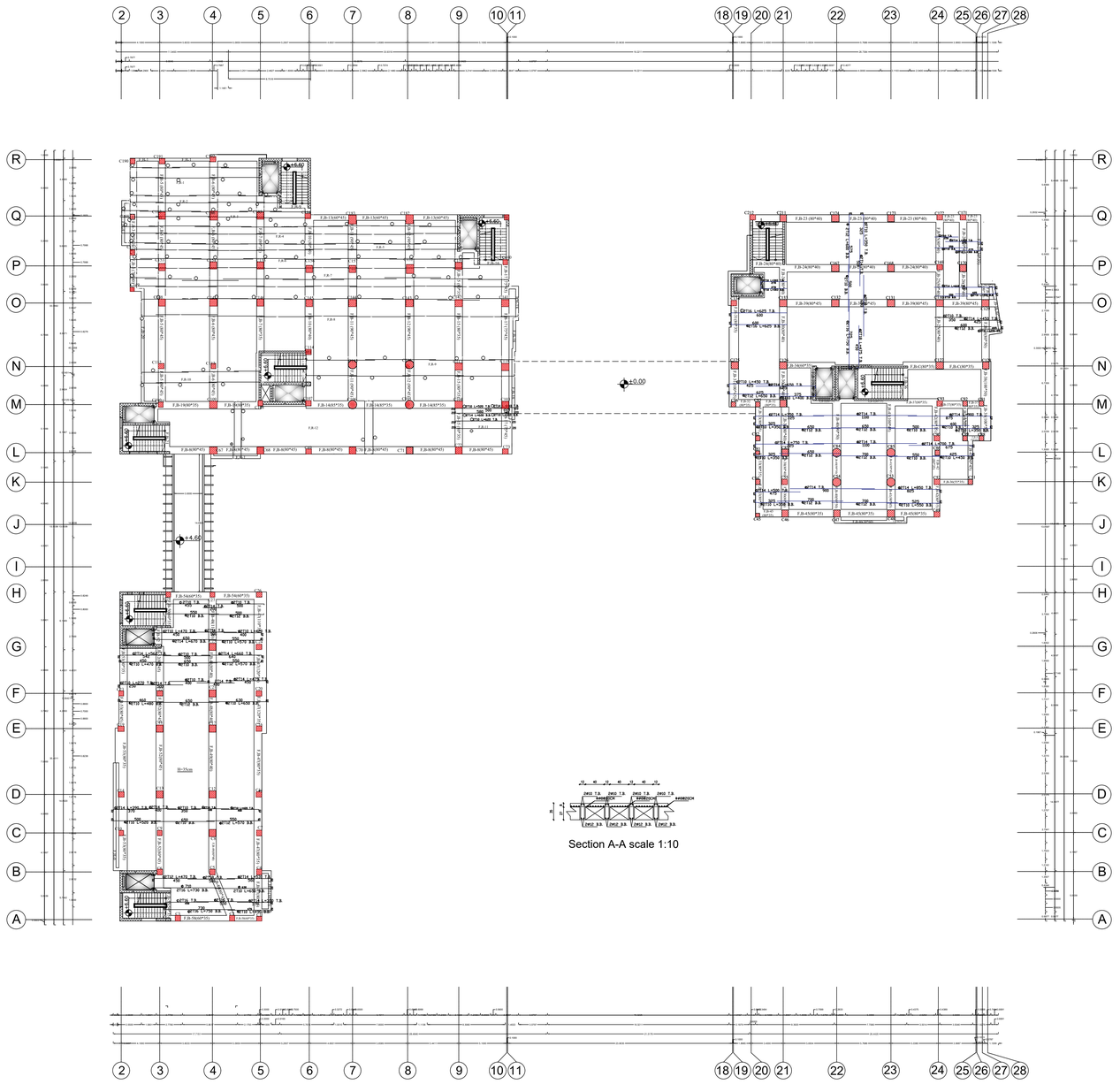
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Rib (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:012 |






Section A-A scale 1:10

Palestine Polytechnic University
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Civil & Architecture Department
Civil Engineering

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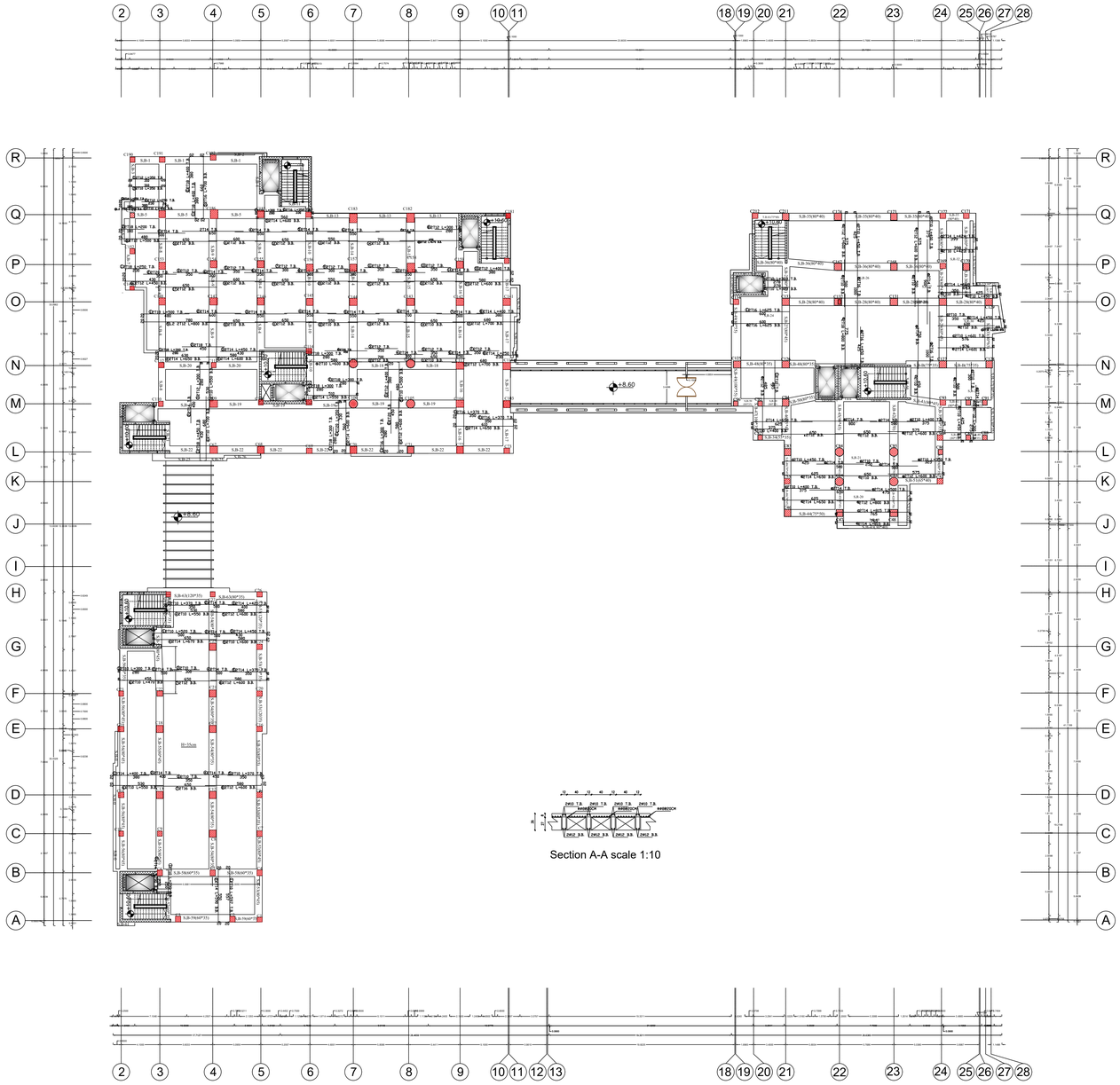
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Rib (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:013 |



Palestine Polytechnic University
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Civil & Architecture Department
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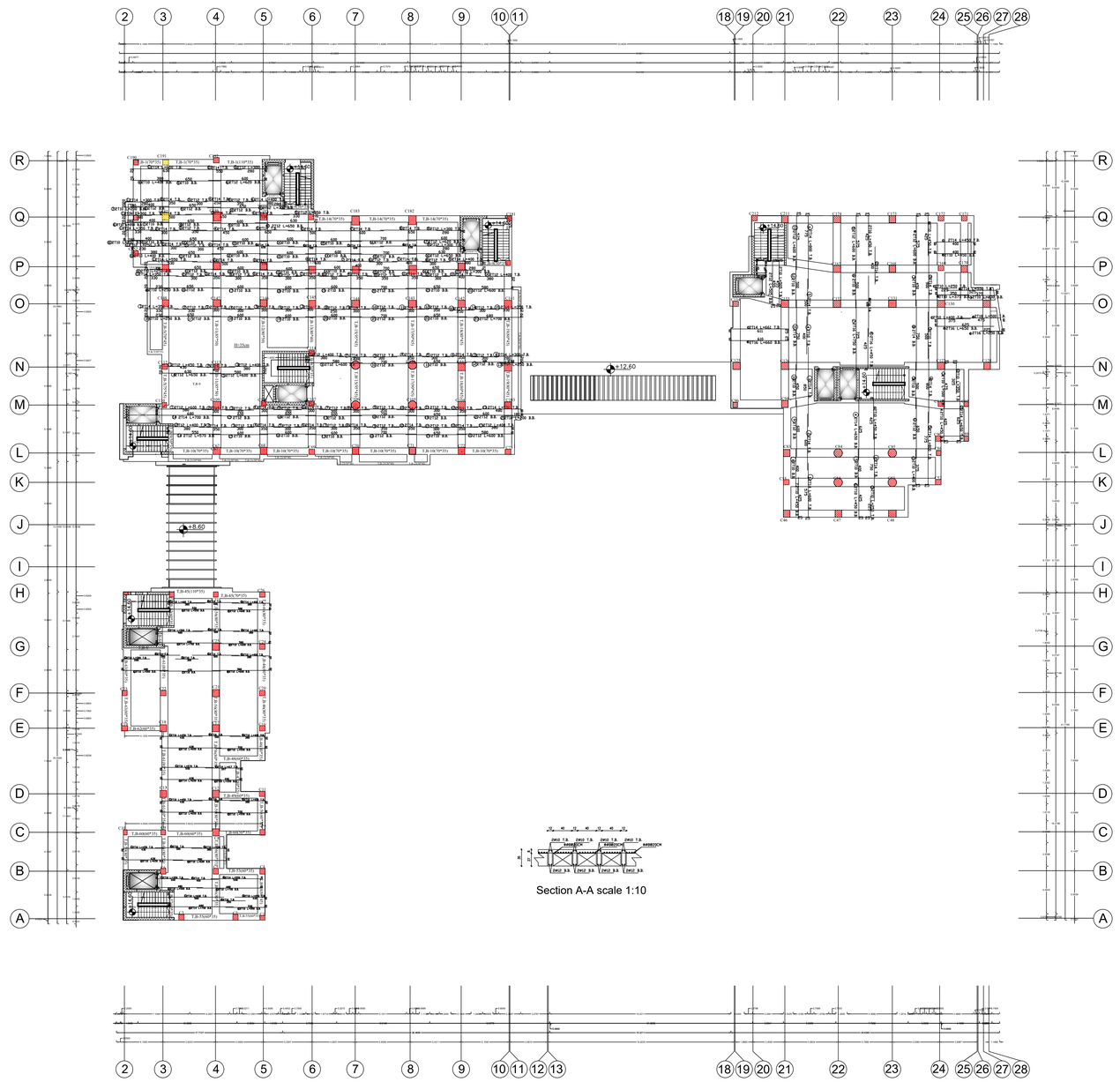
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Rib (Third Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:014 |



Palestine Polytechnic University
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Civil & Architecture Department
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Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Rib (Fourth Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:200 | S:015 |

Section A-A scale 1:10

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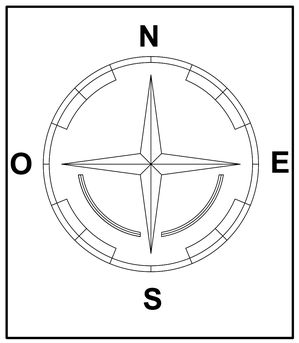



# Project: Hospital

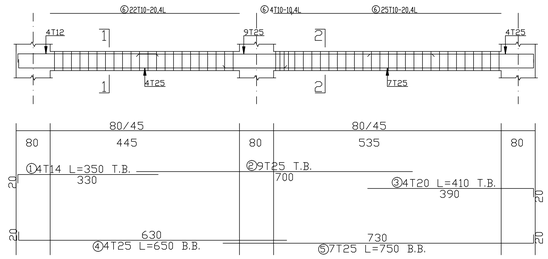
Supervisor: D.Belal Almassri

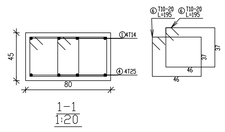
Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

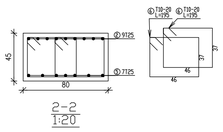
Drawing Title:

Detalis Of Beams (Basment 2)

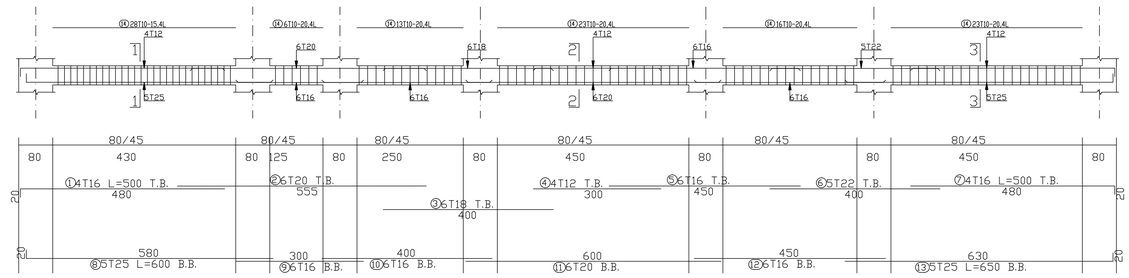
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:016 |

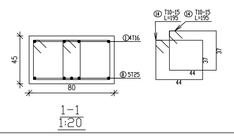


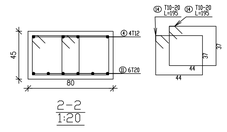




Beam:2

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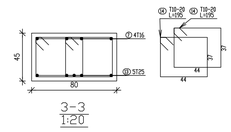
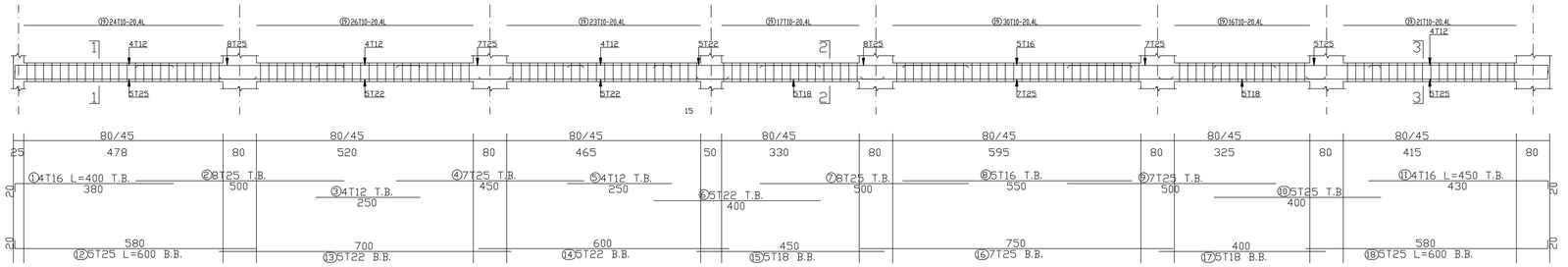
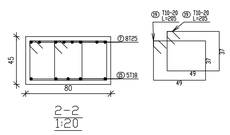
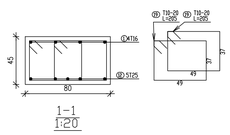
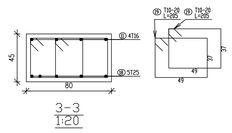


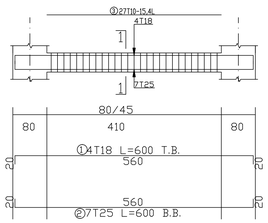



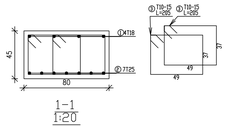



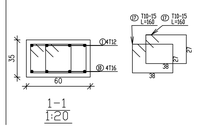



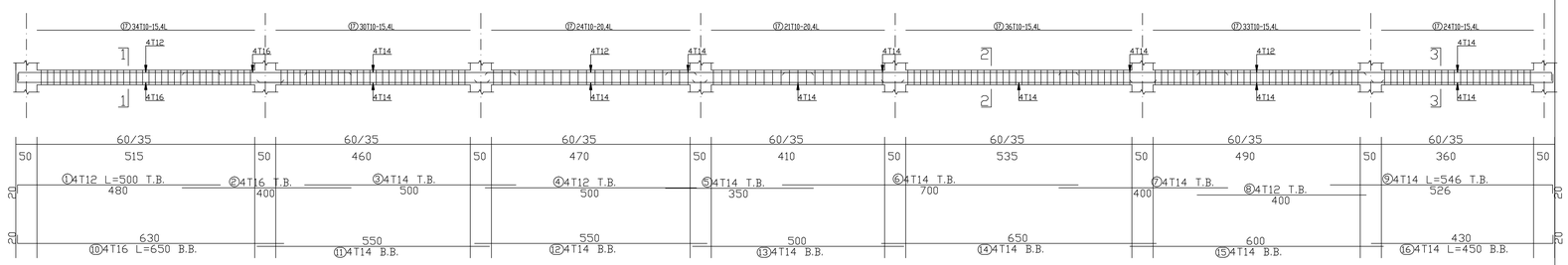

Beam:3

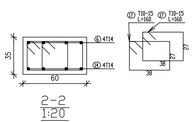


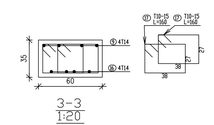

Beam: 5




Beam:6



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# Project: Hospital

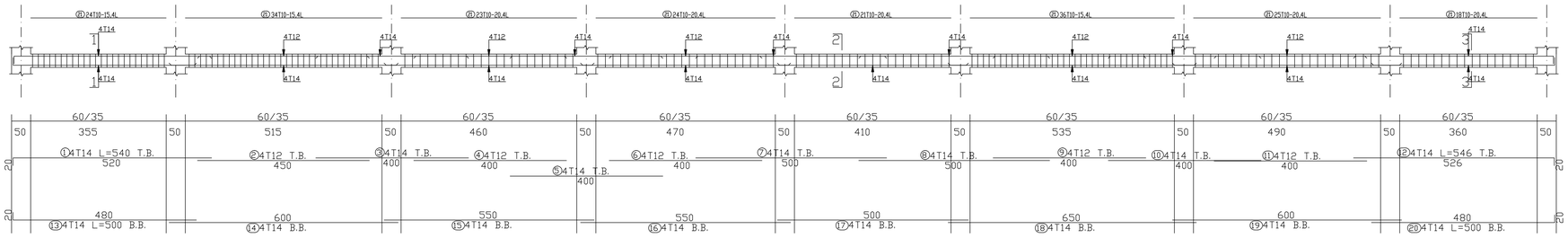
Supervisor: D.Belal Almassri

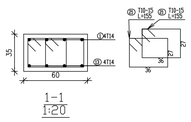

Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

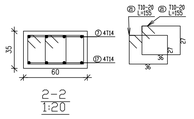

Drawing Title:

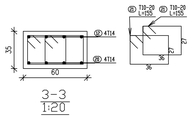
Detalis Of Beams (Basment 2)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:017 |

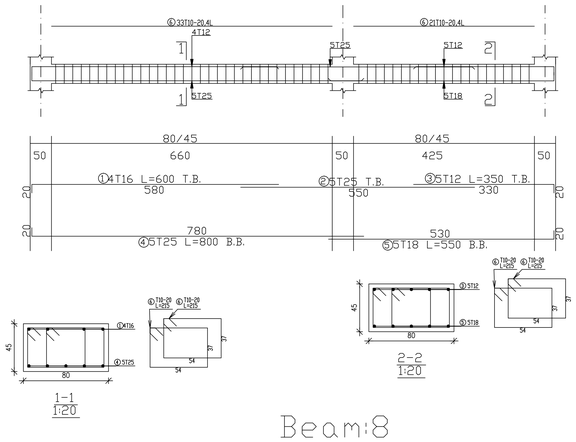


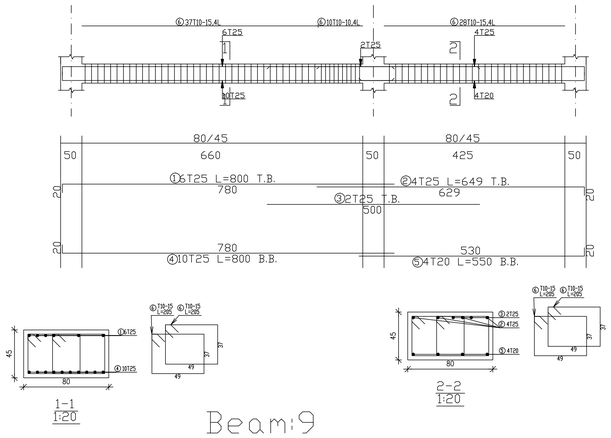



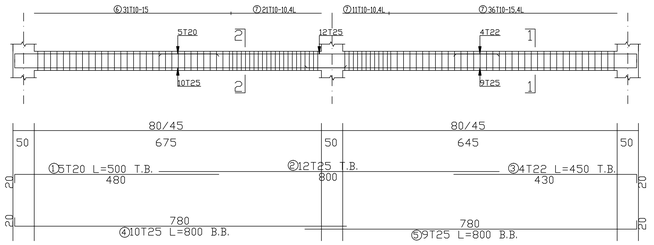

## Beam:7



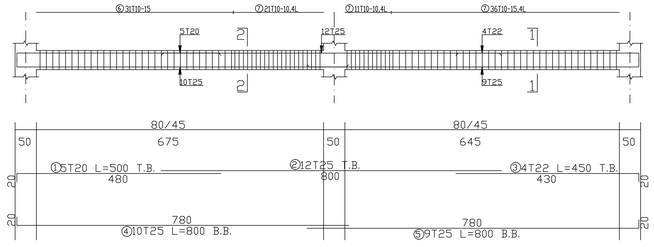

## Beam:8




## Beam:9




## Beam:10




## Beam:11

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# Project: Hospital

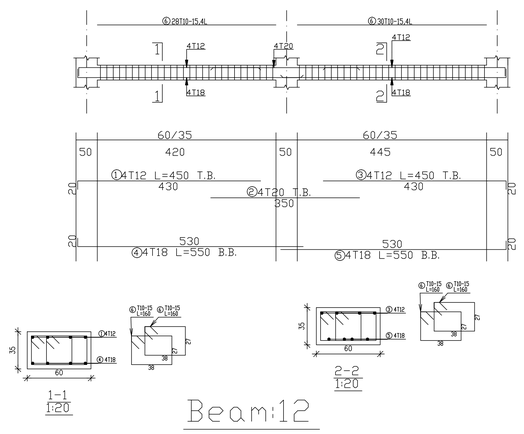
Supervisor: D.Belal Almassri


Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

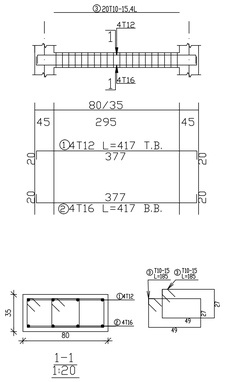

Drawing Title:

Detalis Of Beams (Basment 2)

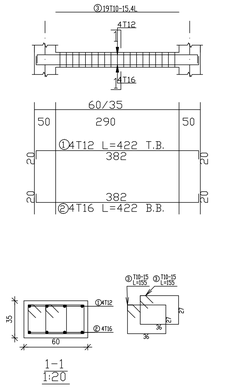
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:018 |



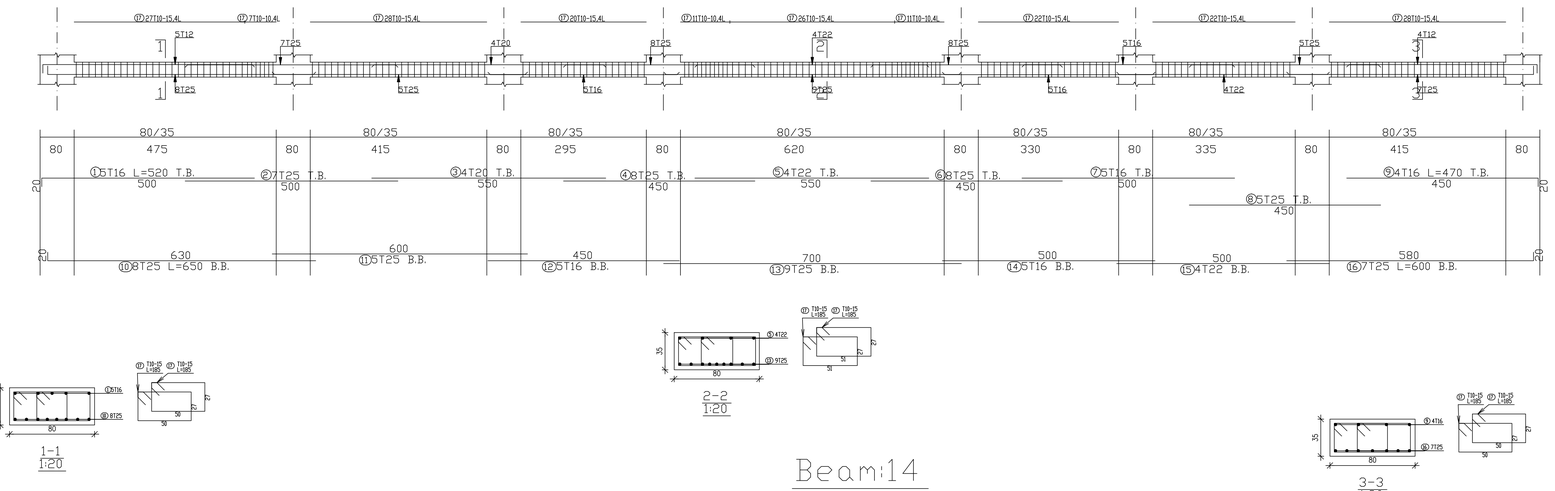

Beam:12




Beam:13



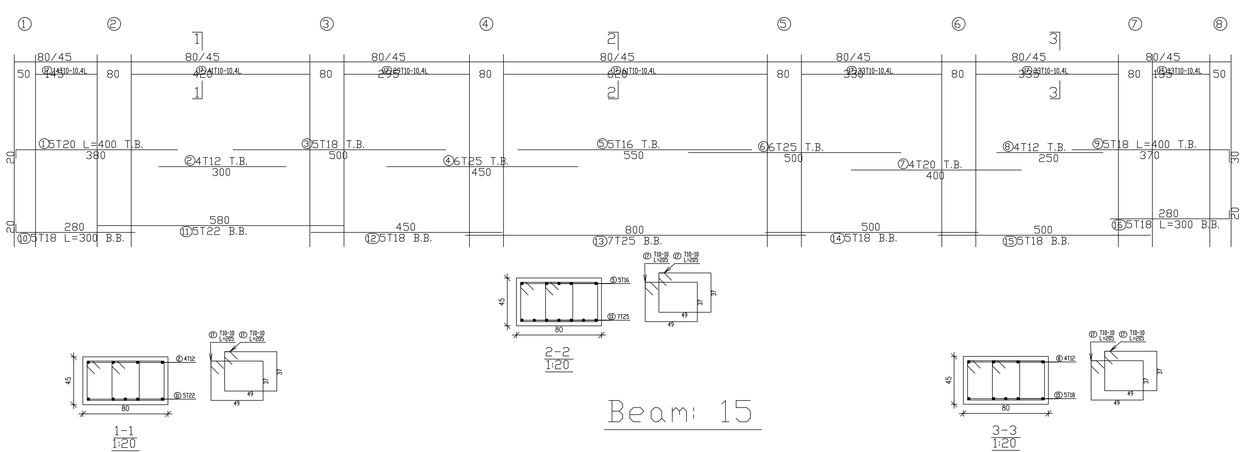

Beam:17







Beam:14




Beam: 15

Palestine Polytechnic University
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Civil Engineering

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# Project: Hospital

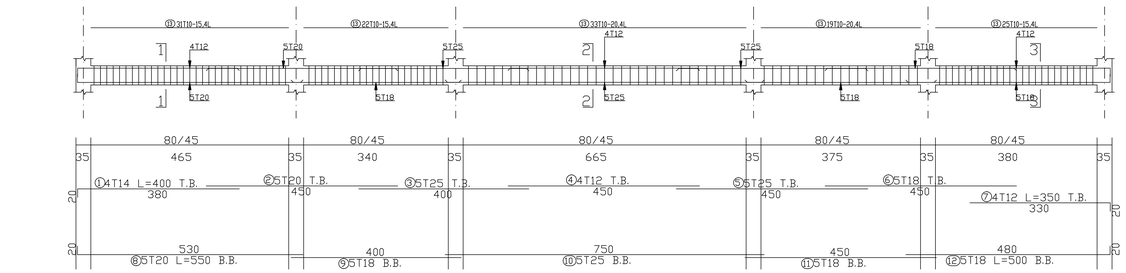
Supervisor: D.Belal Almassri

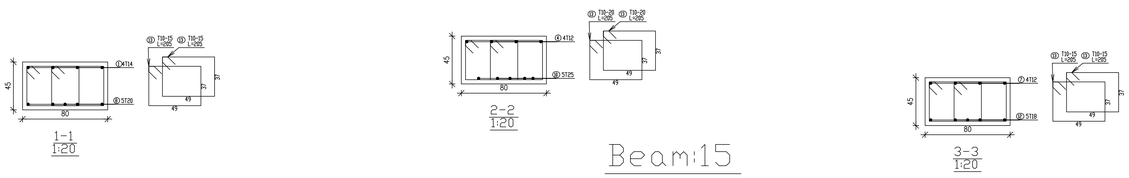

Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha


Drawing Title:

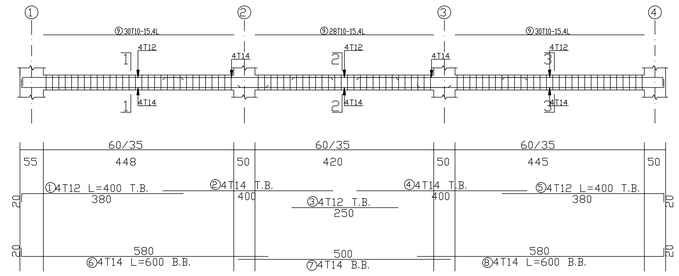
Detalis Of Beams (Basment 2)

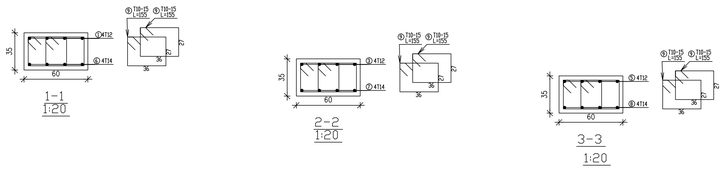
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:019 |



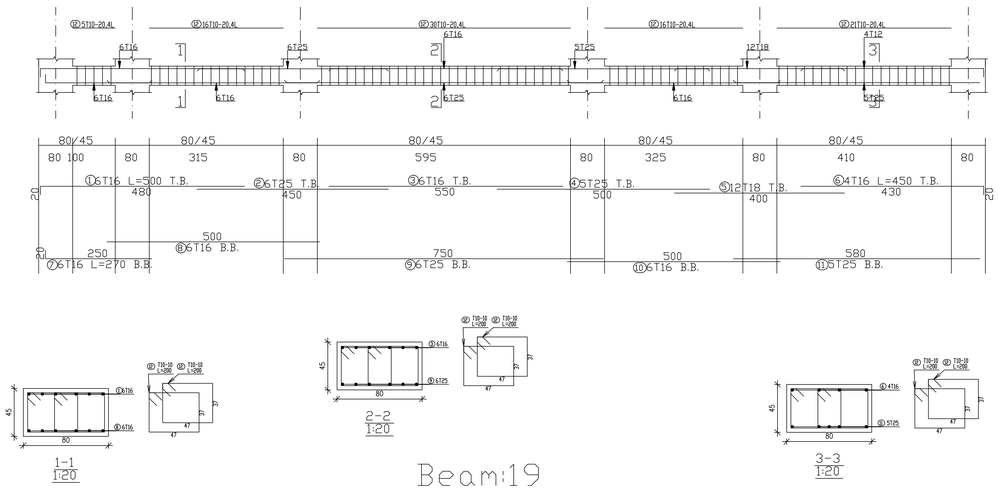




Beam:15



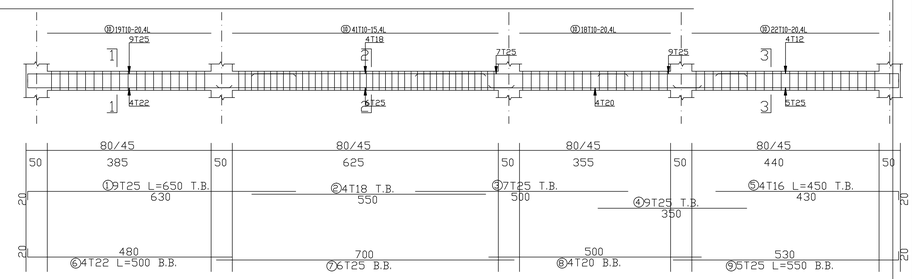

Beam: 18

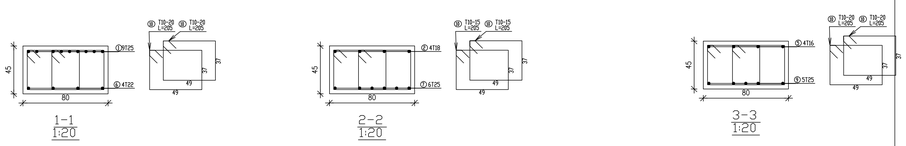




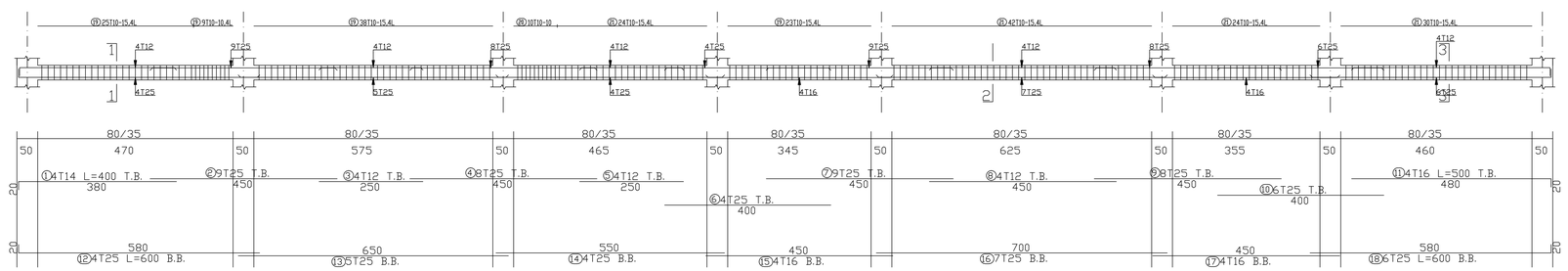


Beam:19




Beam:20



Beam:21

Palestine Polytechnic University
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# Project: Hospital

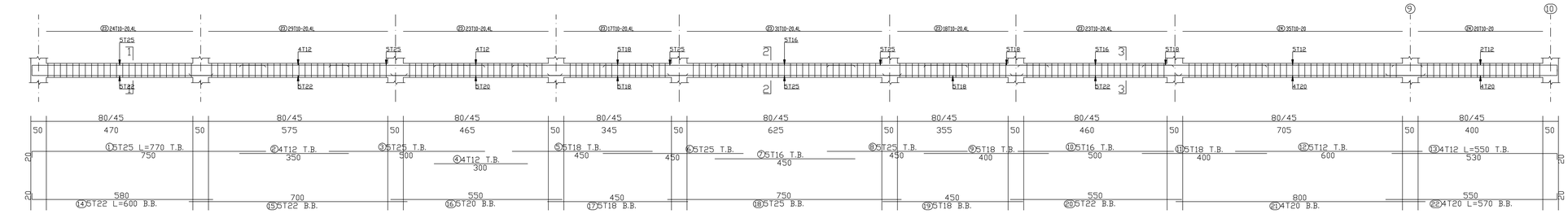
Supervisor: D.Belal Almassri

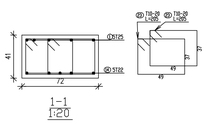

Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

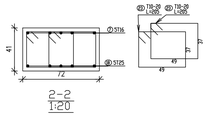

Drawing Title:

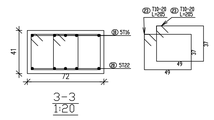
Detalis Of Beams (Basment 2)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:020 |

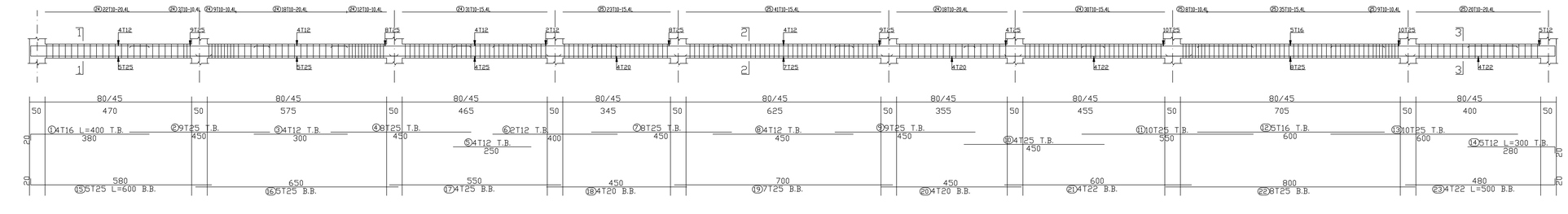


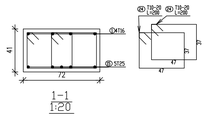



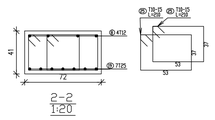



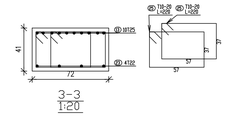




## Beam:22

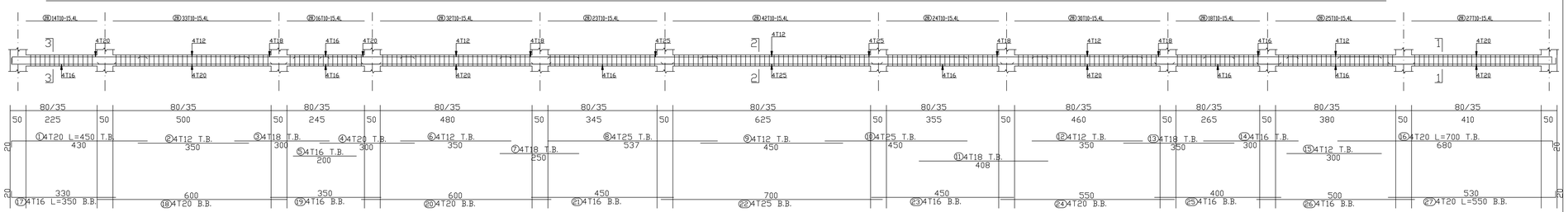


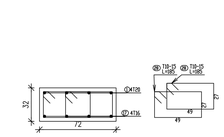



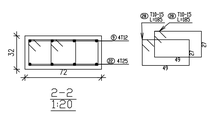



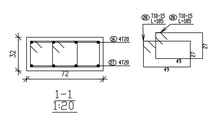




## Beam:23




## Beam:24

Palestine Polytechnic University
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Civil Engineering

N
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# Project: Hospital

Supervisor: D.Belal Almassri


Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha


Drawing Title:

Detalis Of Beams (Basment 2)

| SCALE | NO. OF DRAW |
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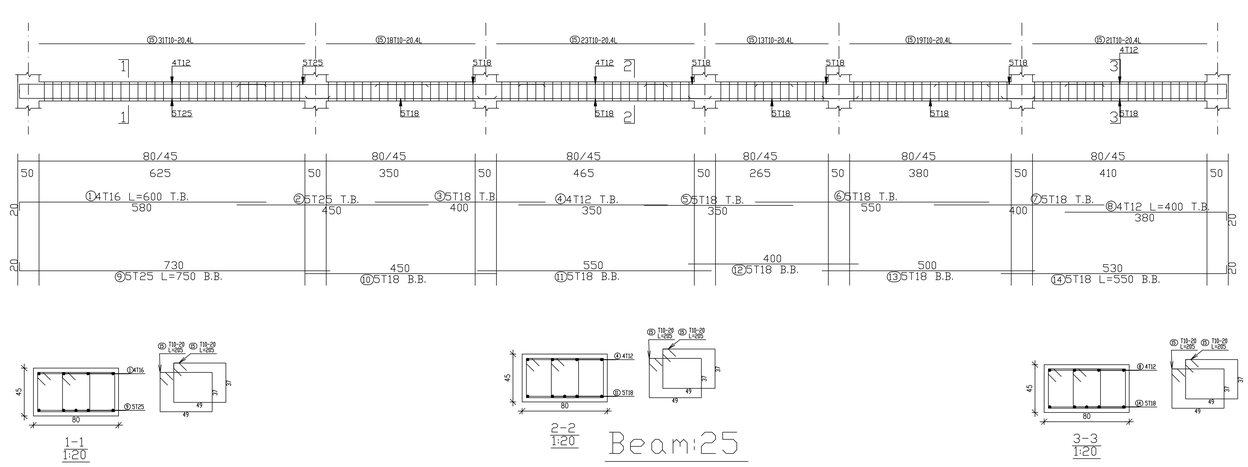


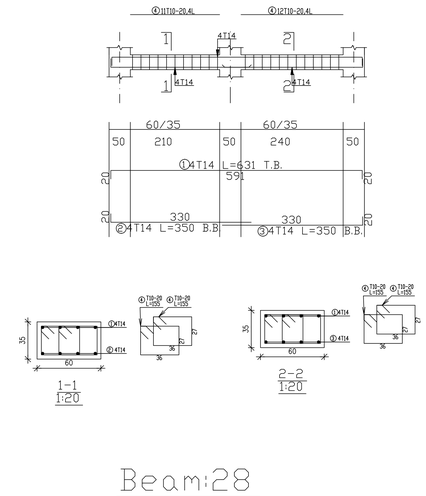


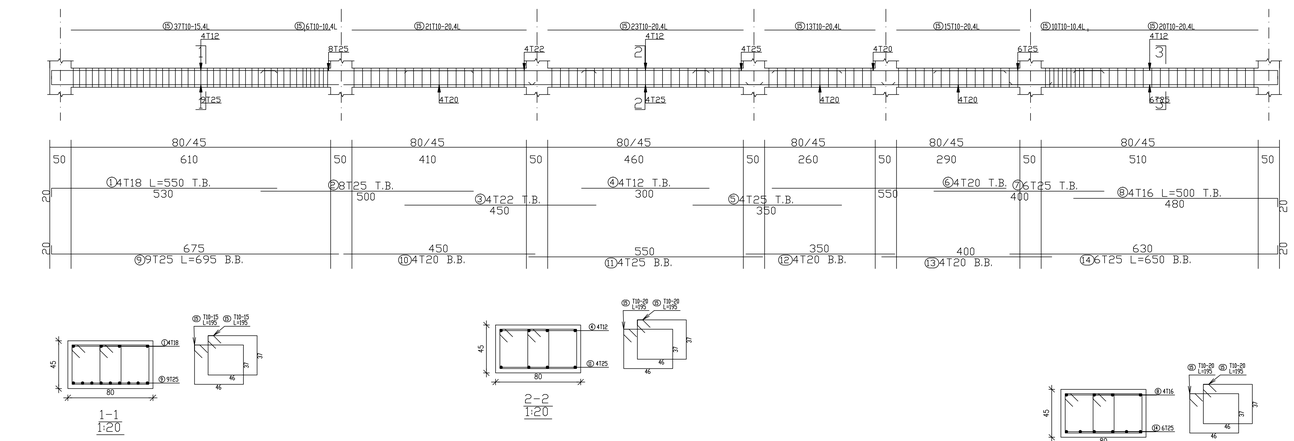


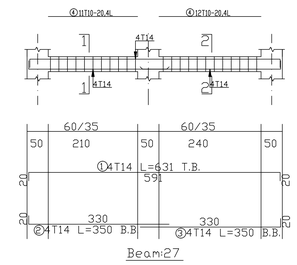


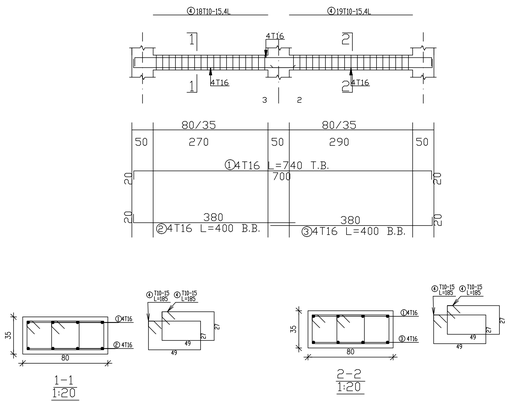


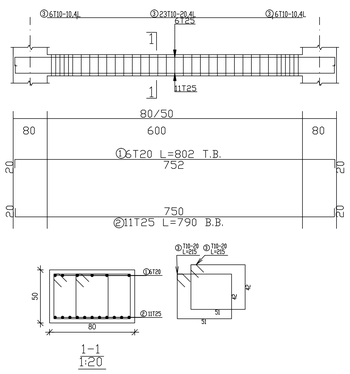


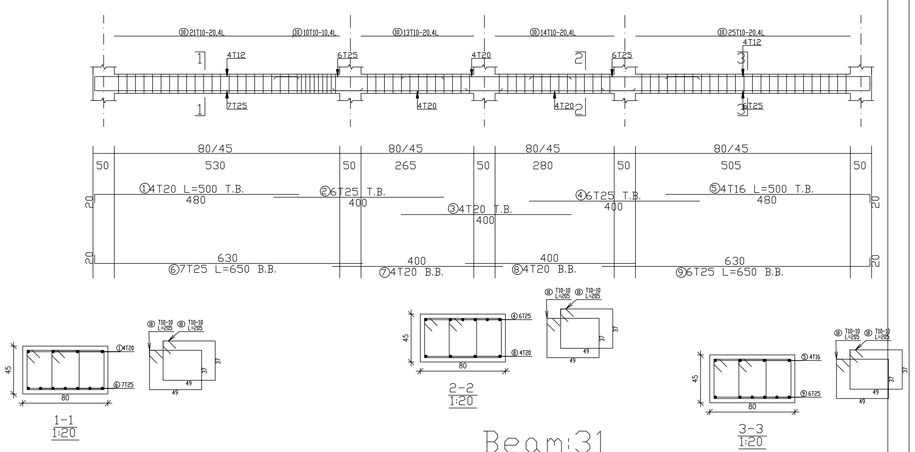

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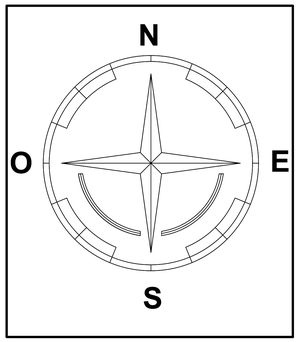



# Project: Hospital

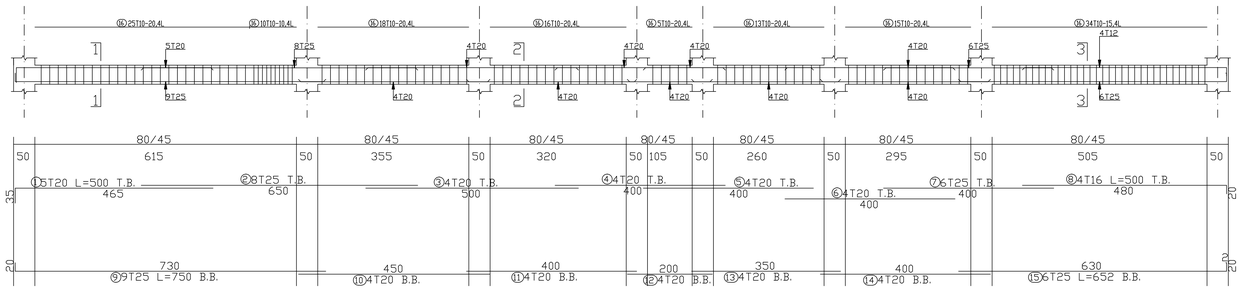
Supervisor: D.Belal Almassri

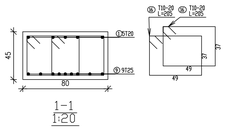
Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

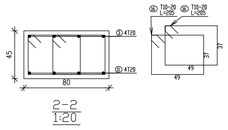
Drawing Title:

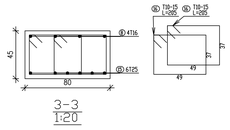
Detalis Of Beams (Basment 2)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:022 |

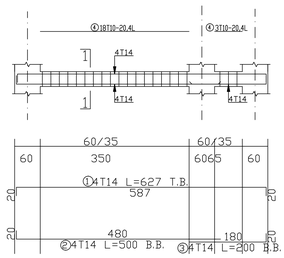


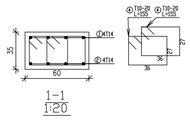



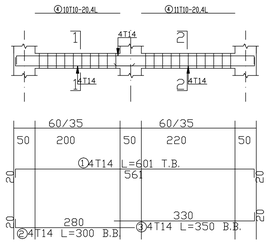



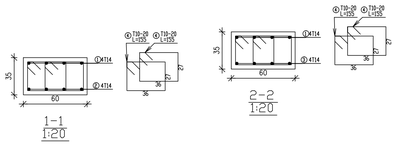

Beam:32




Beam:33

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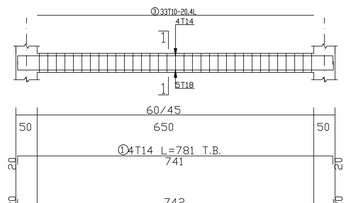


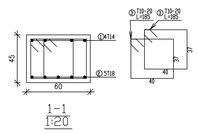


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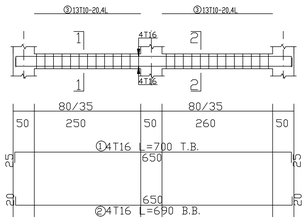


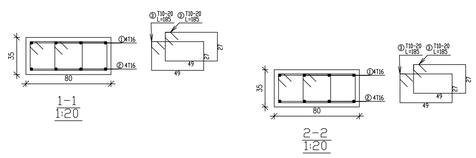


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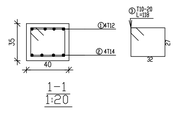


Execute Beam

B2,B-1

Palestine Polytechnic University
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Civil & Architecture Department
Civil Engineering

N
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S

# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
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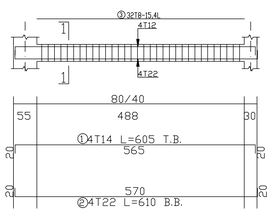
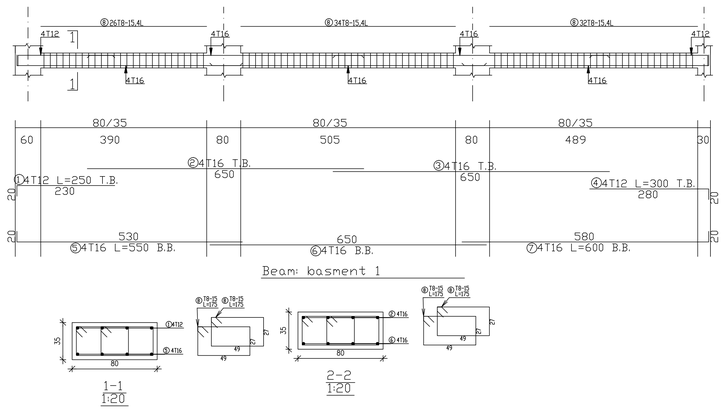
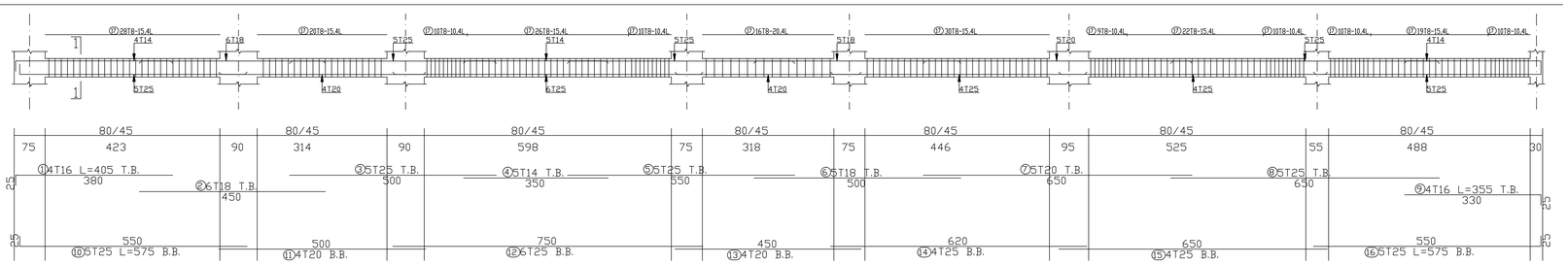


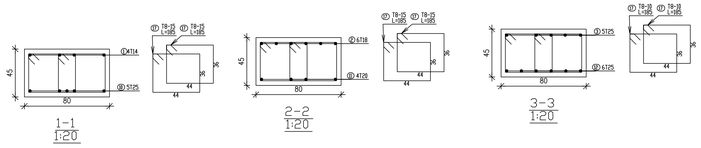

Beam: basment 01

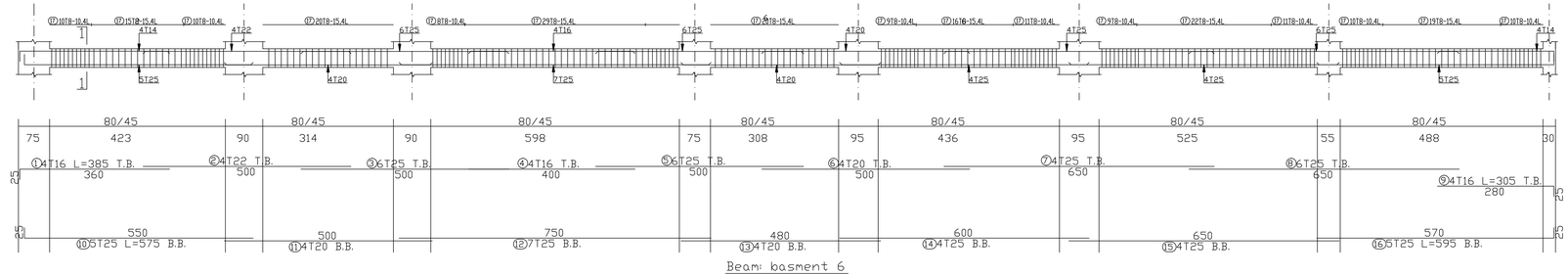



Beam: basment 1

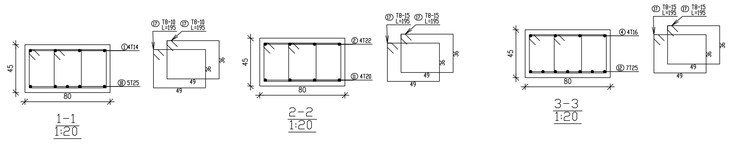



Beam: basment 5




Beam: basment 6



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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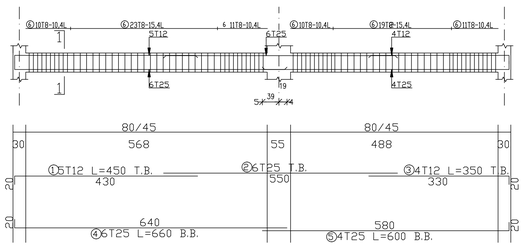
# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

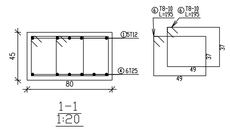
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:024 |



Beam: basment 7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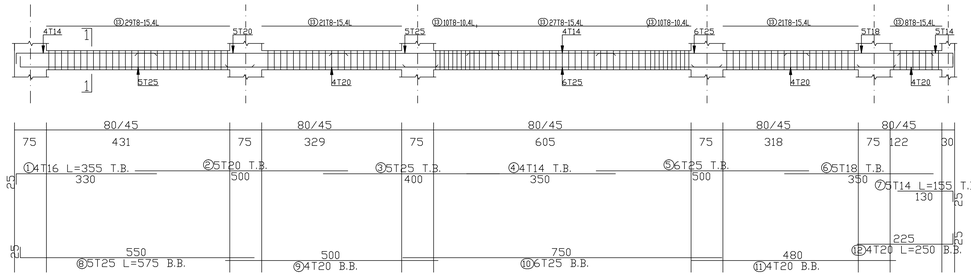
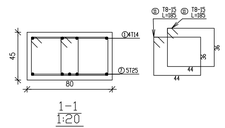
1:20



Beam: basment 8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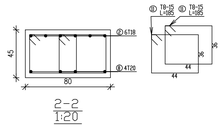
1:20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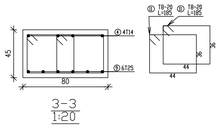
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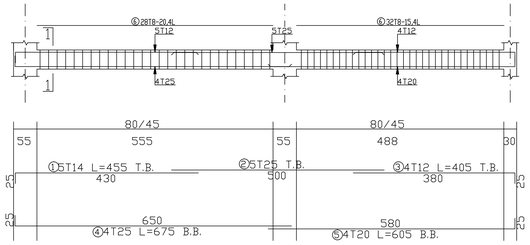
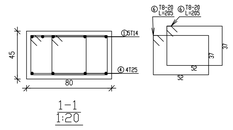


Beam: basment 9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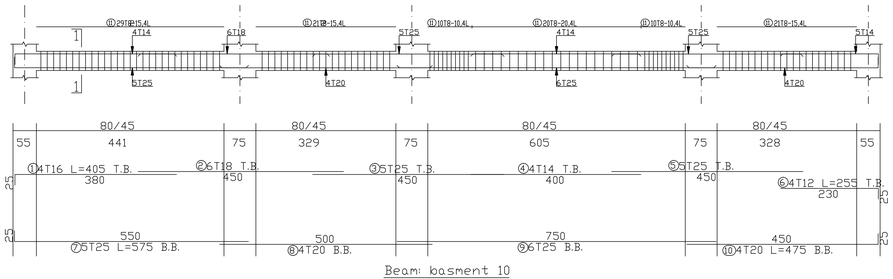
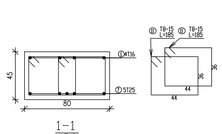


Beam: basment 10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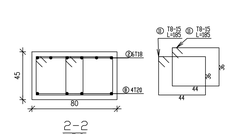
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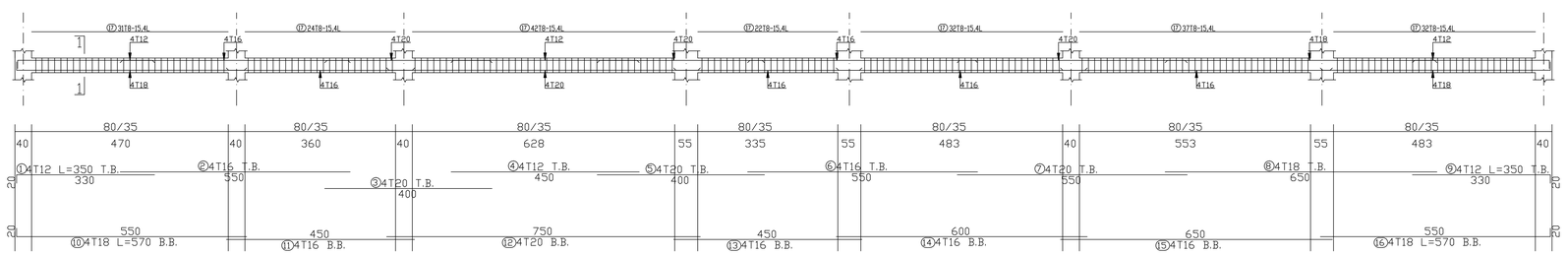
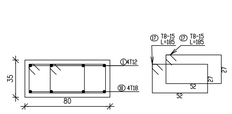


Beam: basment 11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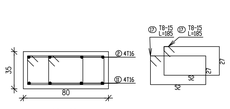
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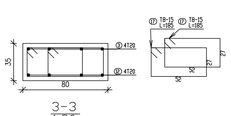
3-3
1:20

Palestine Polytechnic University
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Civil & Architecture Department
Civil Engineering

N
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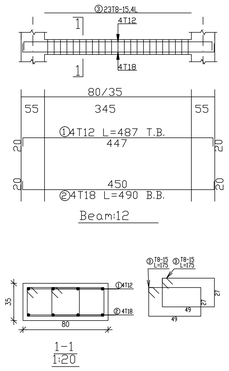
# Project: Hospital

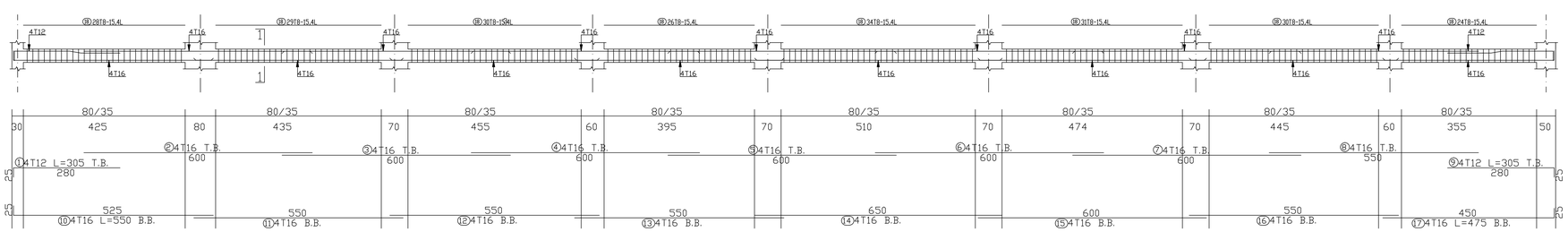
Supervisor:
ENG.Hamdi Ideas

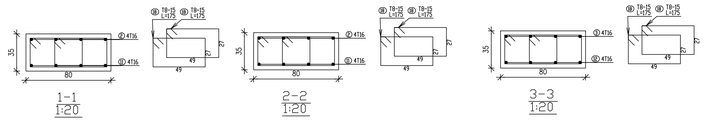
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

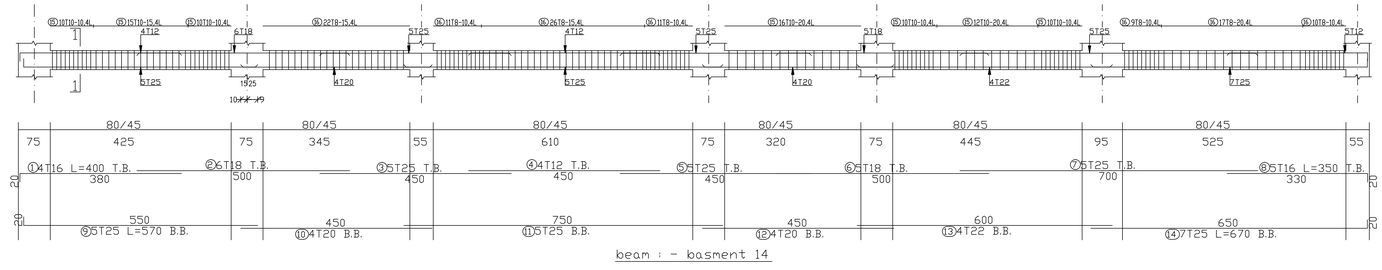
Drawing Title:
Detalis Of Beams (Basment 1)

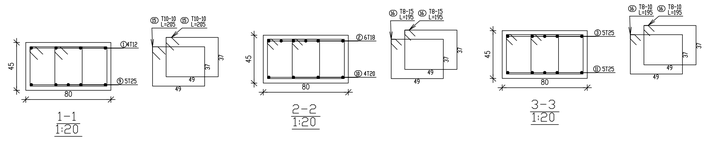
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:025 |



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College of Engineering
Civil & Architecture Department
Civil Engineering

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# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
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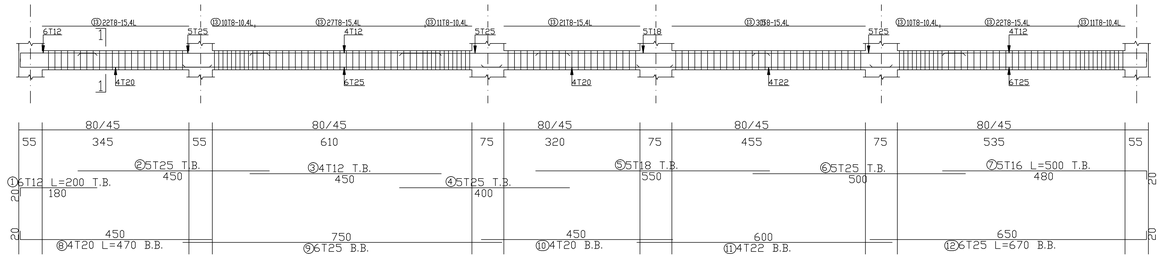
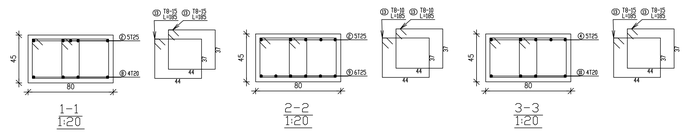


Beam: basment 16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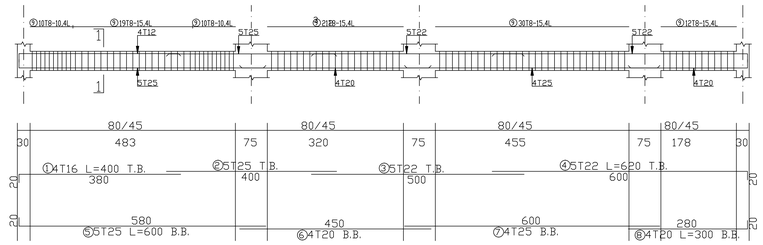
3-3 1:20



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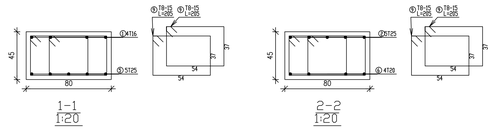
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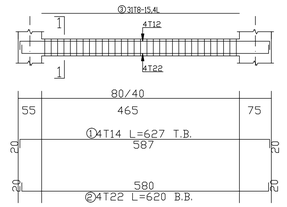

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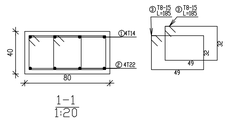
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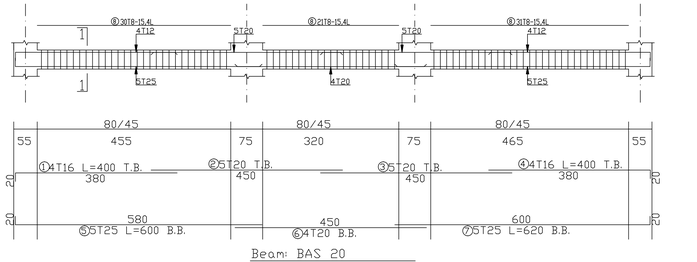

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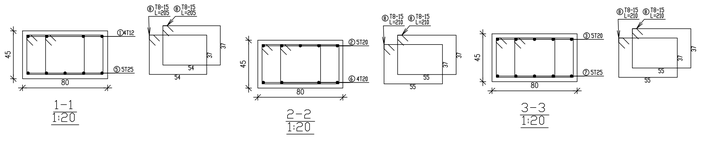
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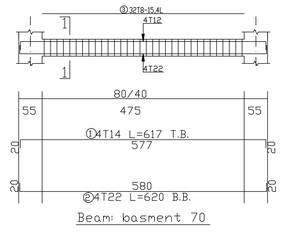
2-2 1:20
3-3 1:20



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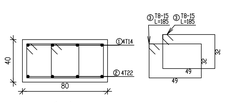
1-1 1:20

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

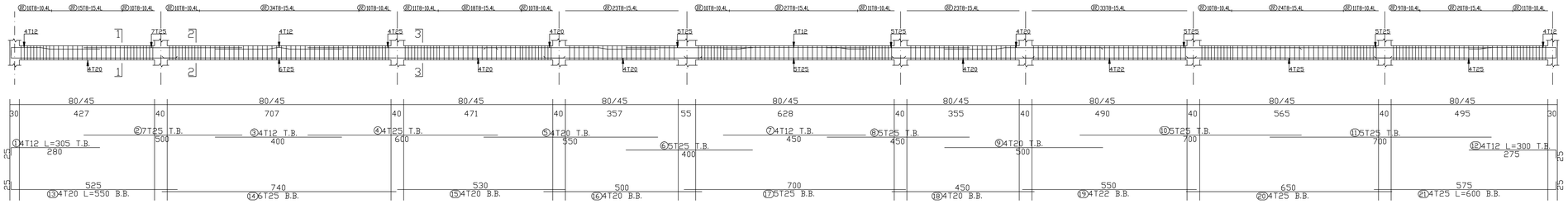
Done By:

Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:

Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:027 |

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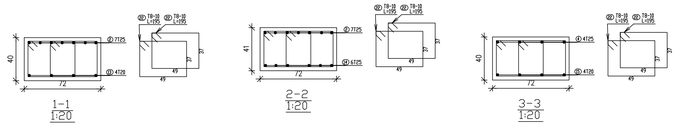


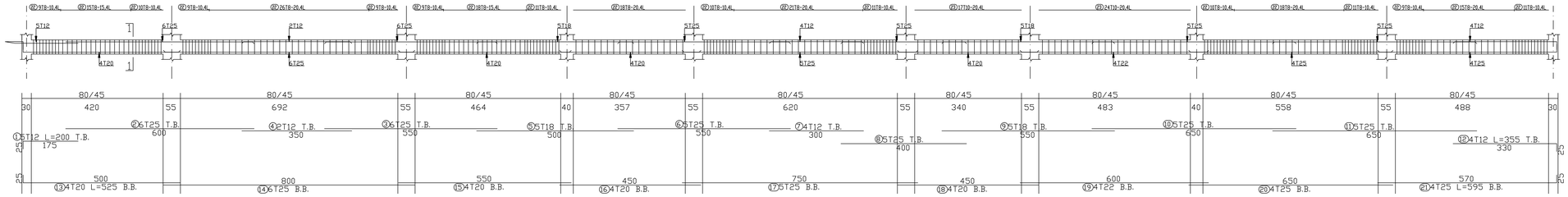


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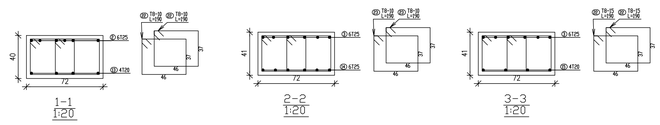


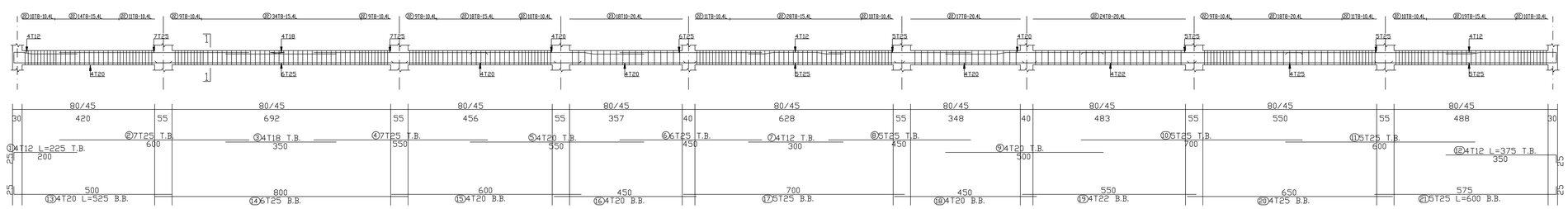


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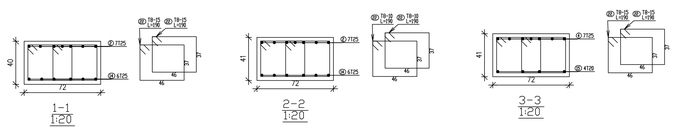
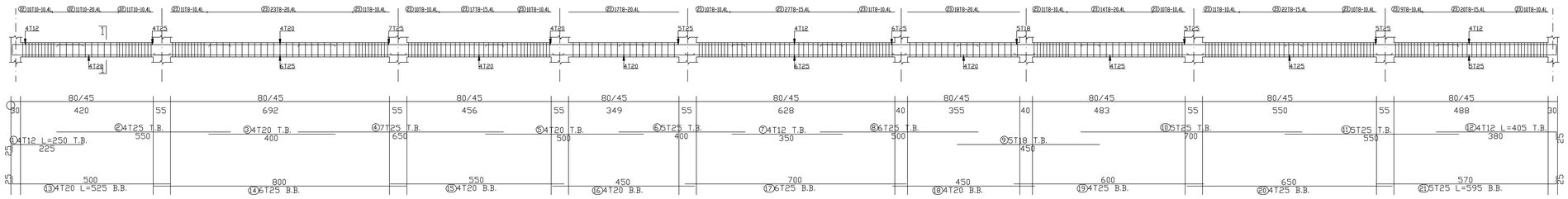
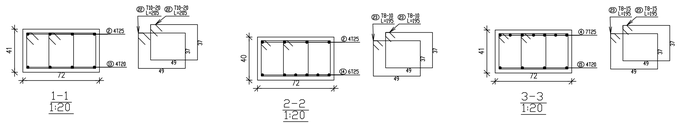
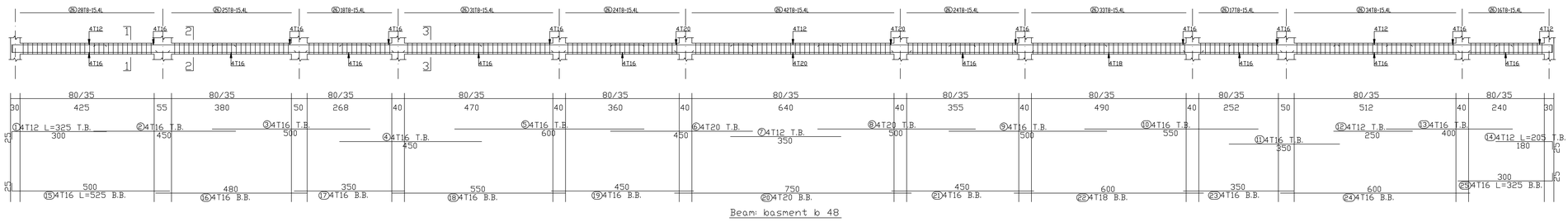


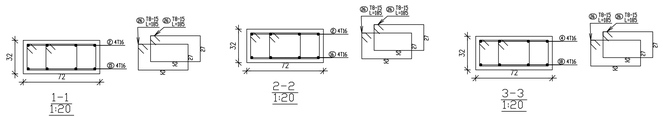



Beam basment b 47




Beam basment b 48

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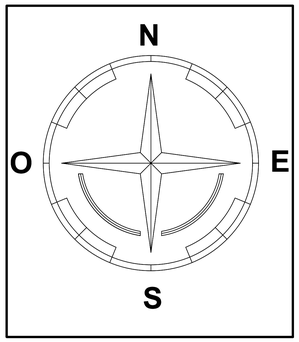


# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

Done By:

Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:

Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:028 |

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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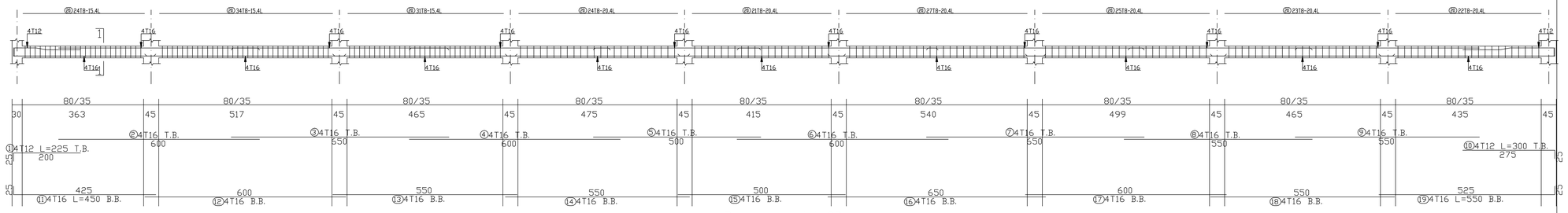
**Project: Hospital**

Supervisor:
ENG.Hamdi Ideas

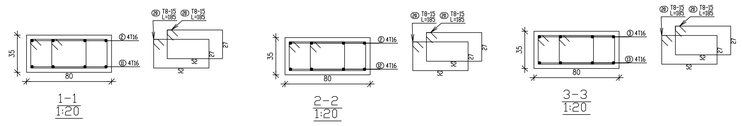
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

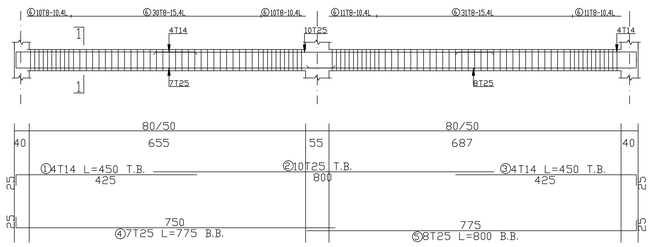
Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:029 |




Beam: basment b 23

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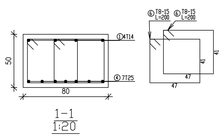


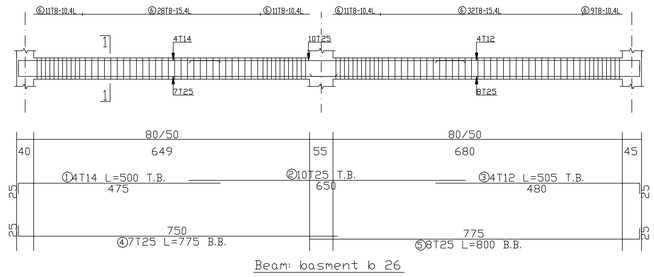


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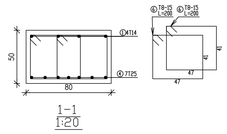


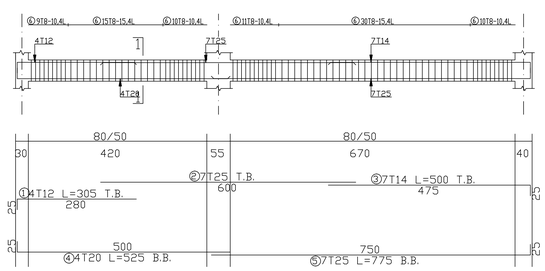


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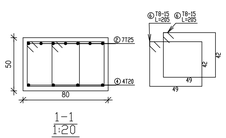


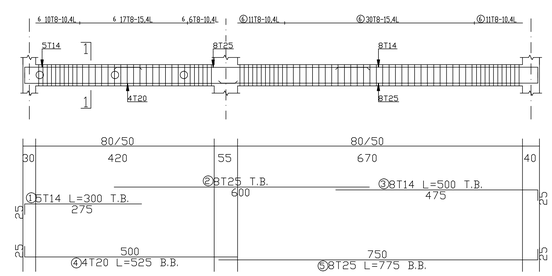


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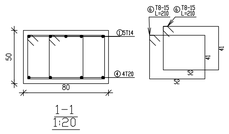

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Civil & Architecture Department
Civil Engineering

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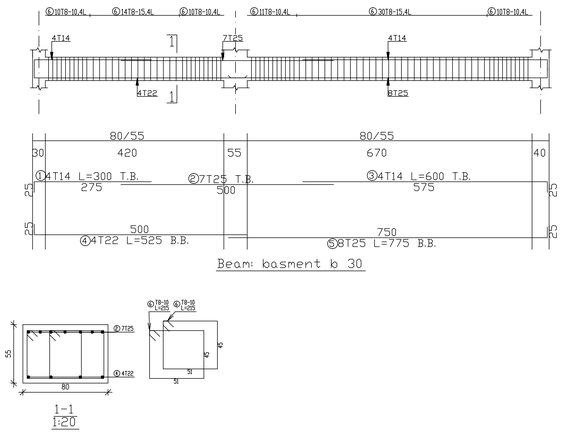
# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:030 |

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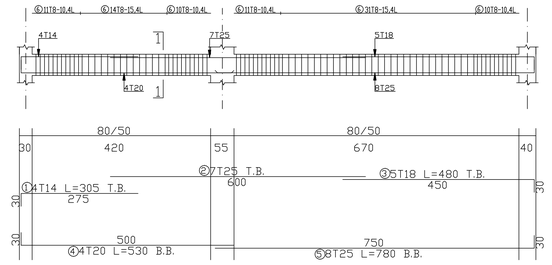


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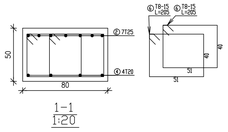


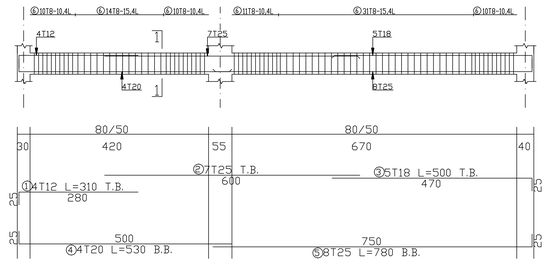


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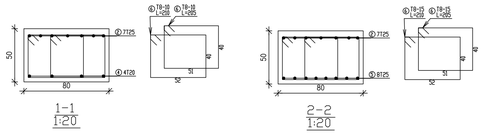


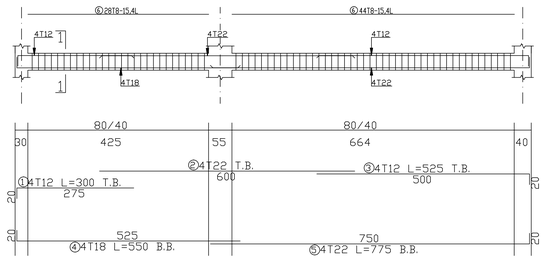


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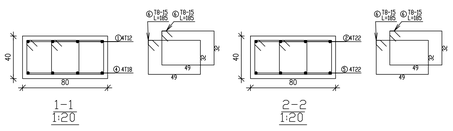


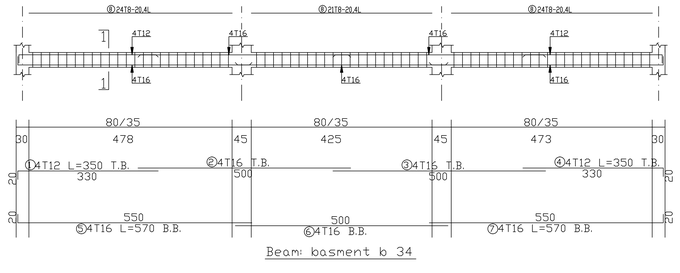


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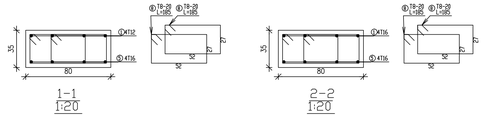
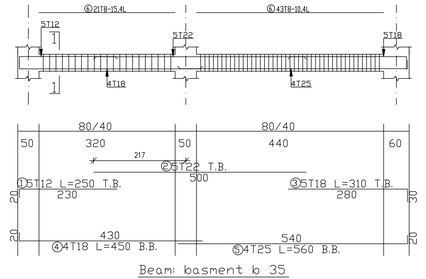
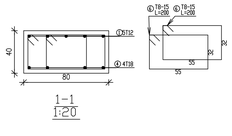



Beam: basment b 35



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

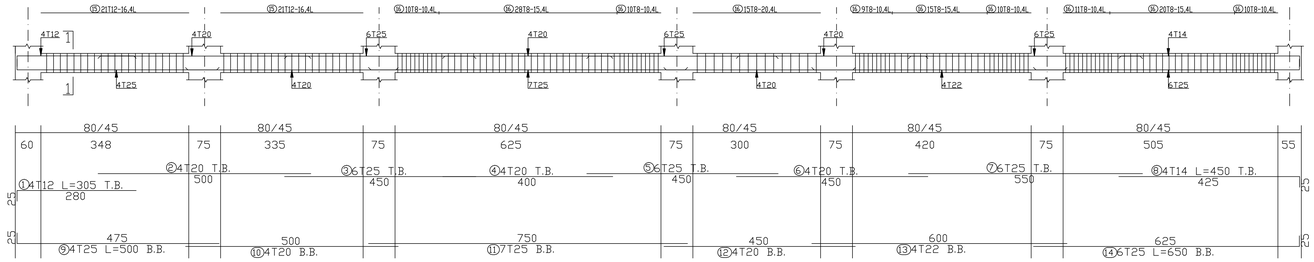
Done By:

Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

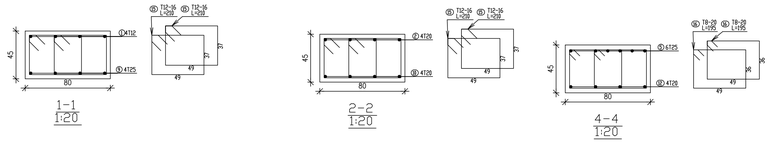
Drawing Title:

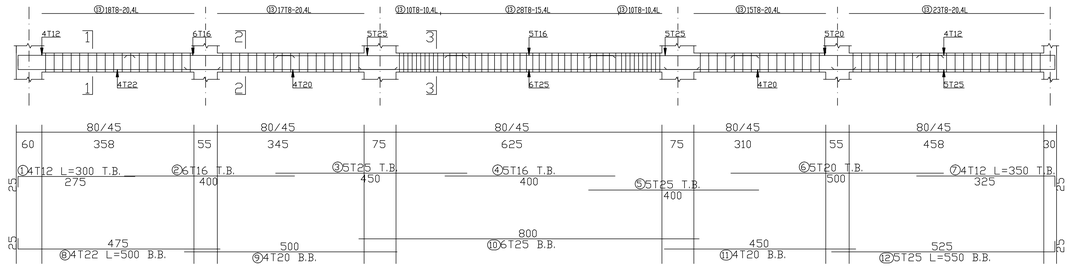
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:031 |

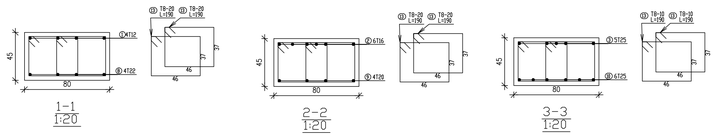


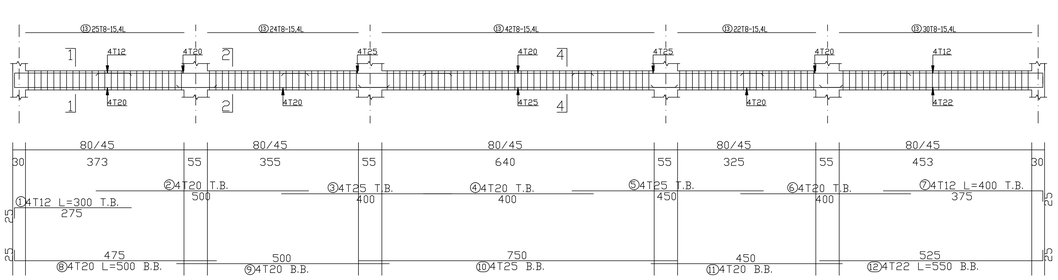

Beam: basment b37



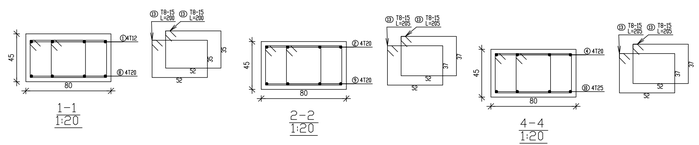



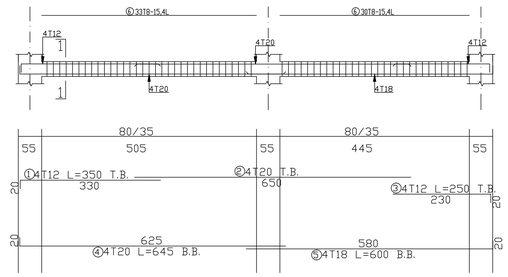

Beam: basment b 38



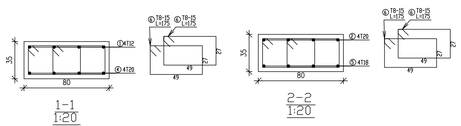




Beam: basment b 39




Beam: basment b41



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Civil Engineering

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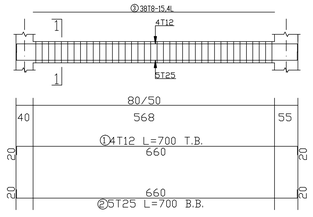
# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

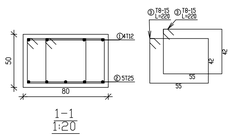
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

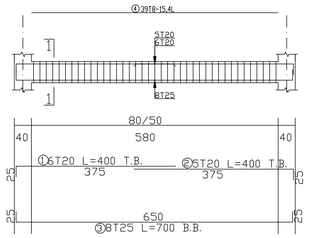
Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:032 |

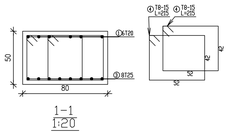


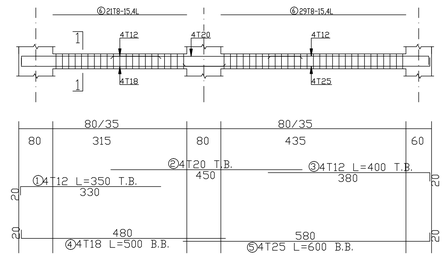

Beam: basmnt b 53



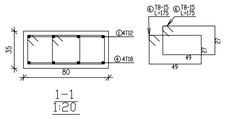



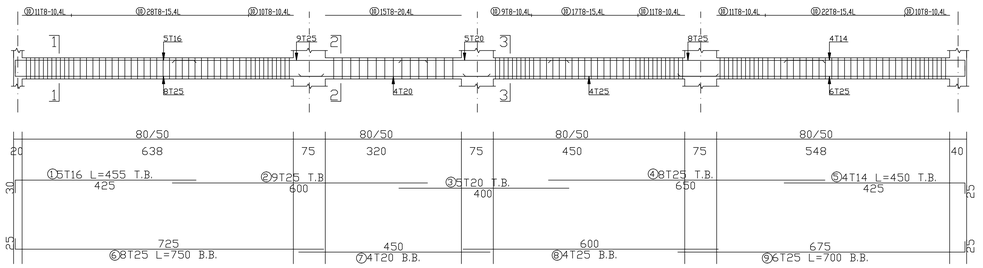

Beam: basment 54



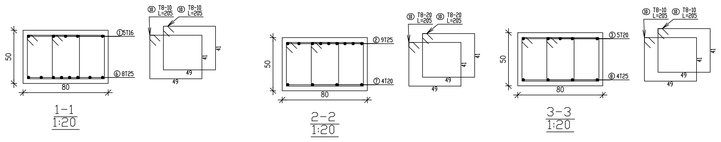



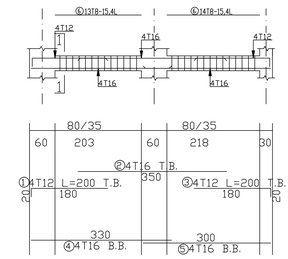

Beam: basmnt b 60



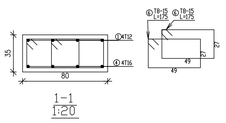



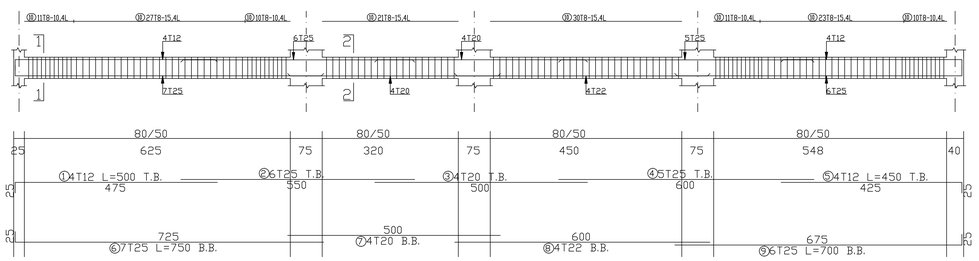

Beambasment 55



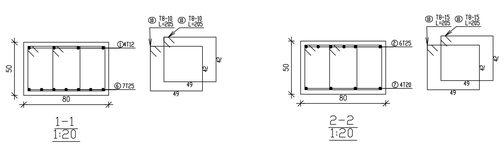



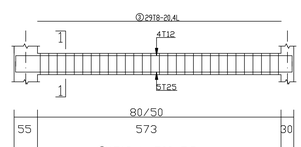

Beambasmnt b 59



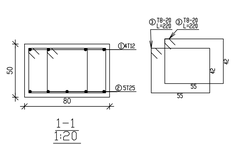




Beambasment b 56




Beam: basmnt b 58



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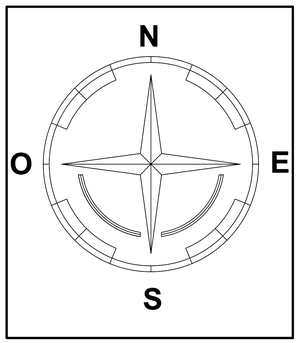


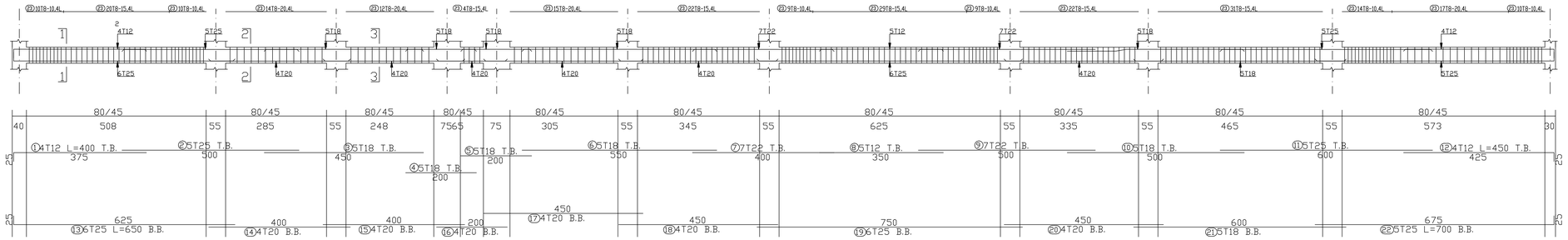

# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

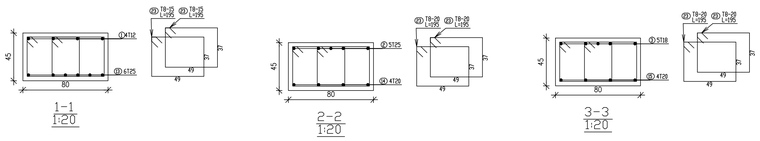
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

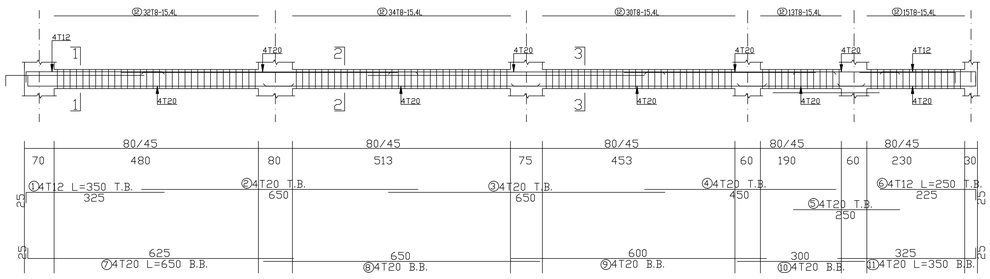
Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:033 |

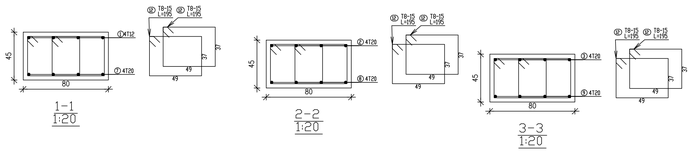


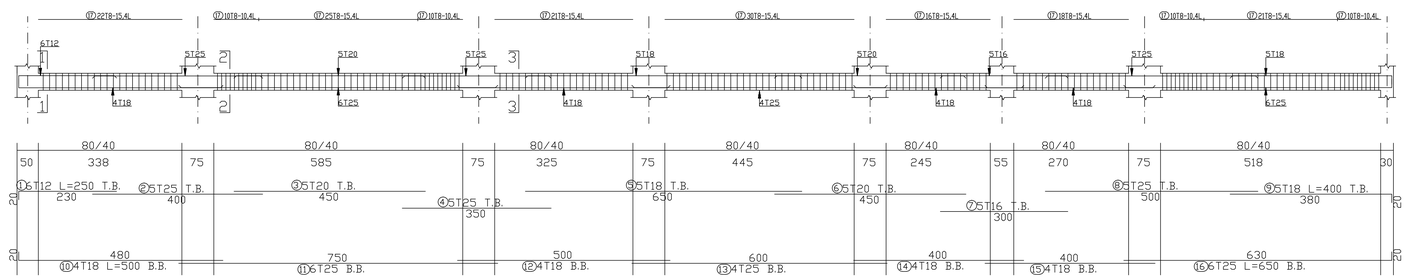

Beam:besment 57



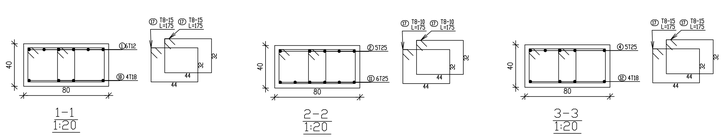




beam : basmnt b 62




beam : basmnt b 63



Palestine Polytechnic University
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Civil Engineering

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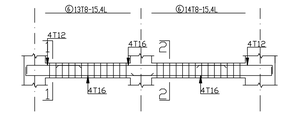
# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

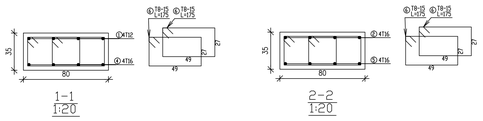
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

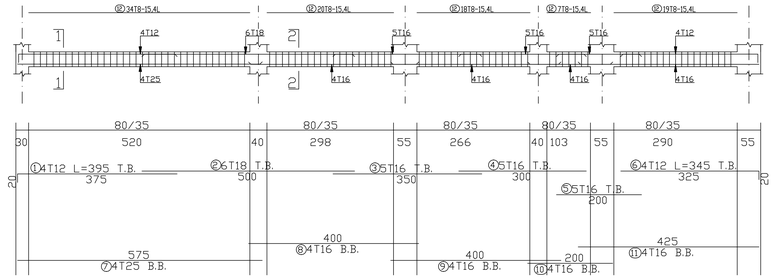
Drawing Title:
Detalis Of Beams (Basment 1)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:034 |

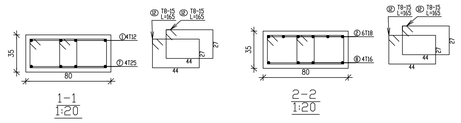


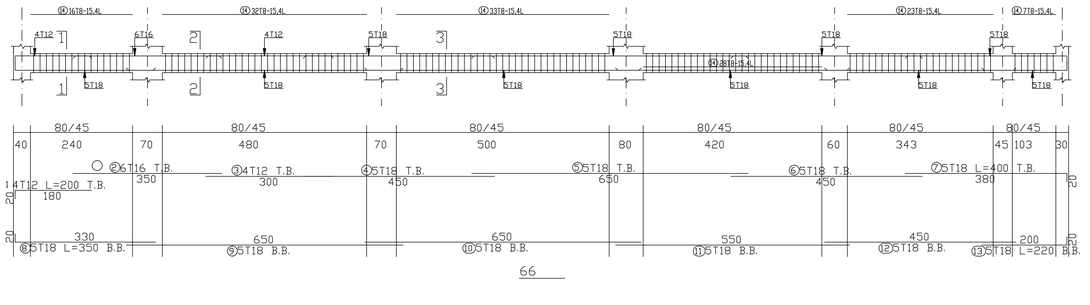

Beam: basmnt b 64



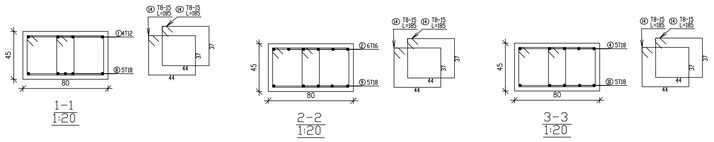



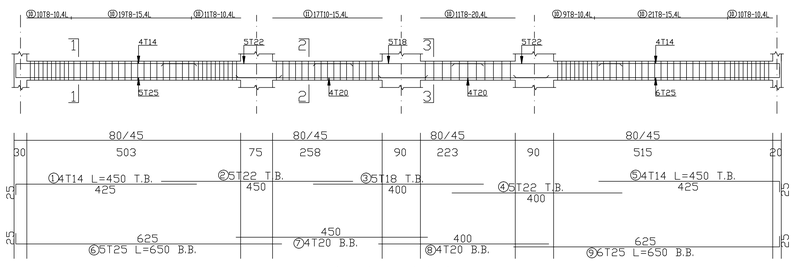

Beam: basmnt b 65



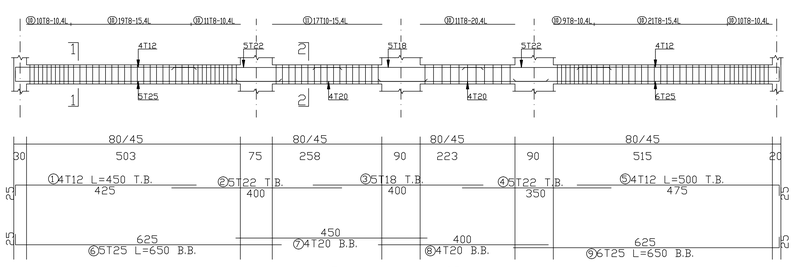




66

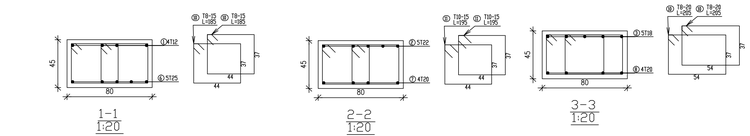


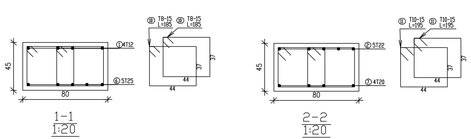




Beam:basmnt b 67




Beam:basmnt b 68



Palestine Polytechnic University
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Civil & Architecture Department
Civil Engineering

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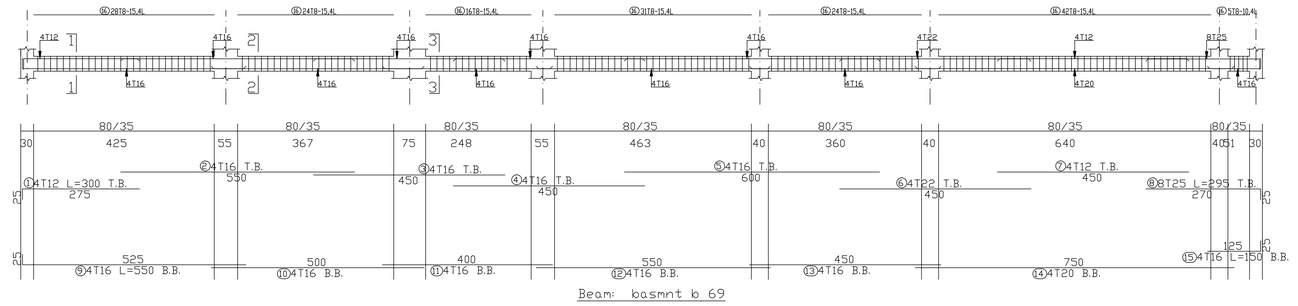
# Project: Hospital

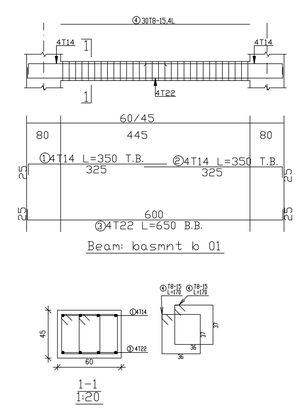
Supervisor:
ENG.Hamdi Ideas

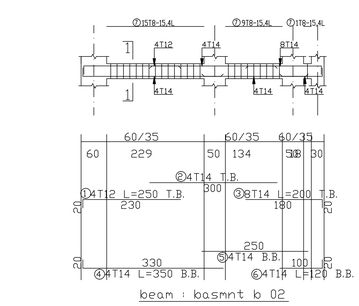
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

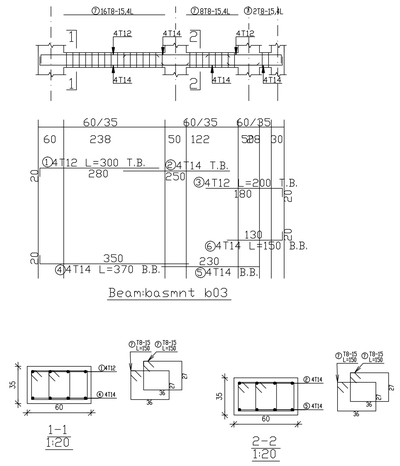
Drawing Title:
Detalis Of Beams (Basment 1)

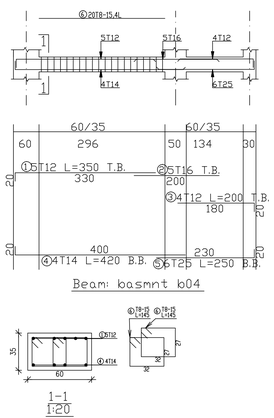
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:035 |

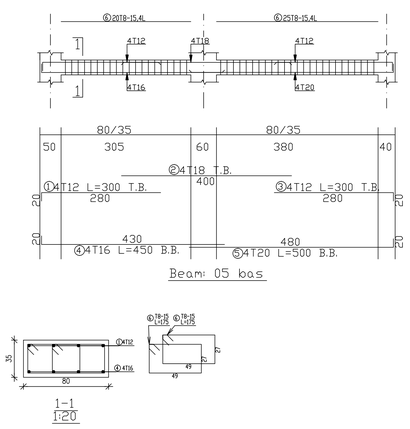


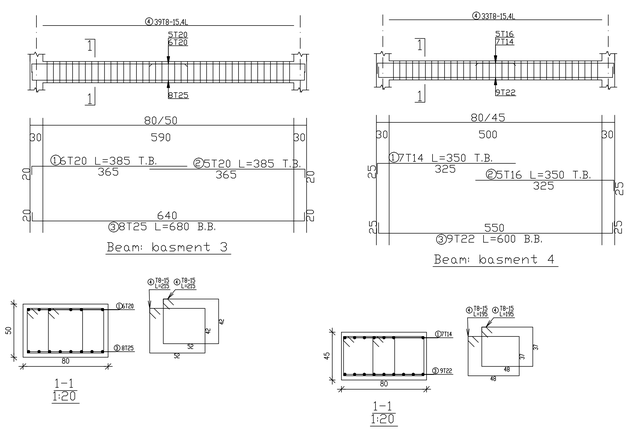



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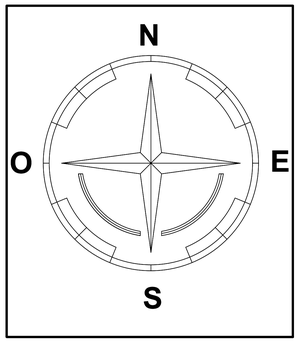



# Project: Hospital

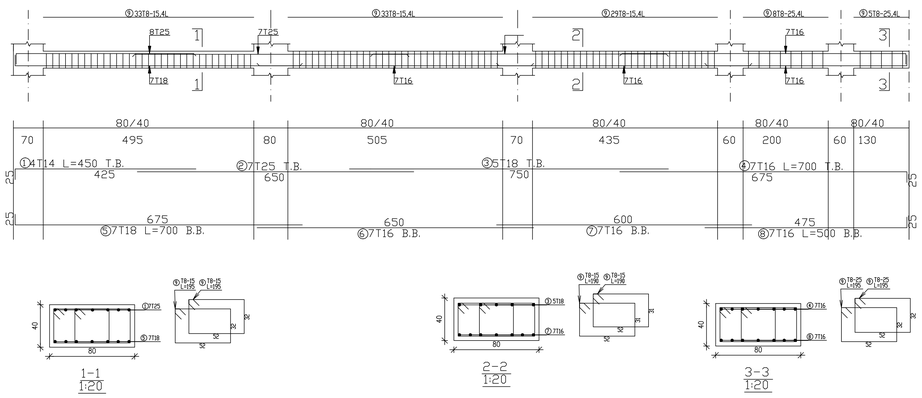
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

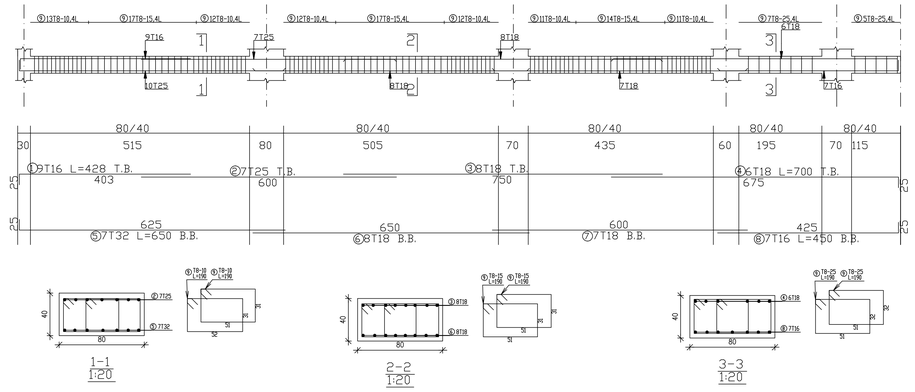
Drawing Title:
Detalis Of Beams (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:036 |

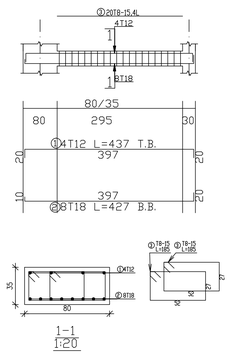
## Beam: G,B-23



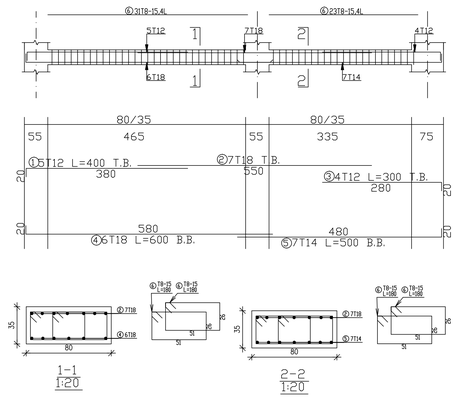

## Beam: G,B-24



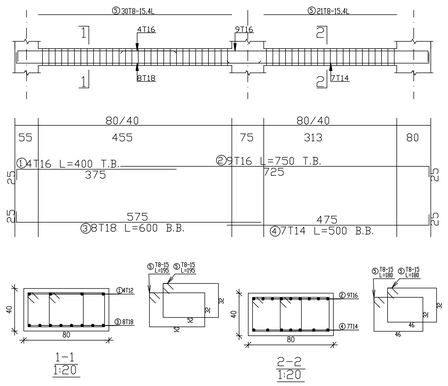

## Beam: G,B-25



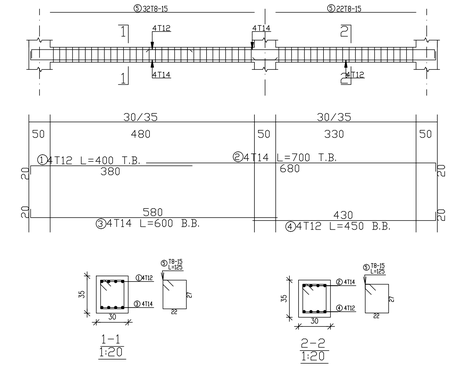

## Beam: G,B-26



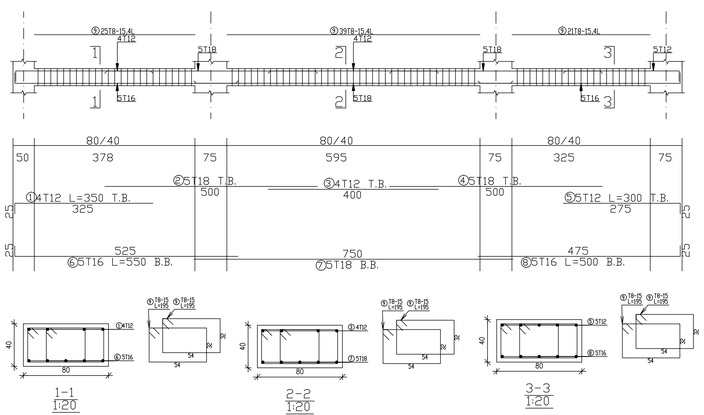

## Beam: G,B-27



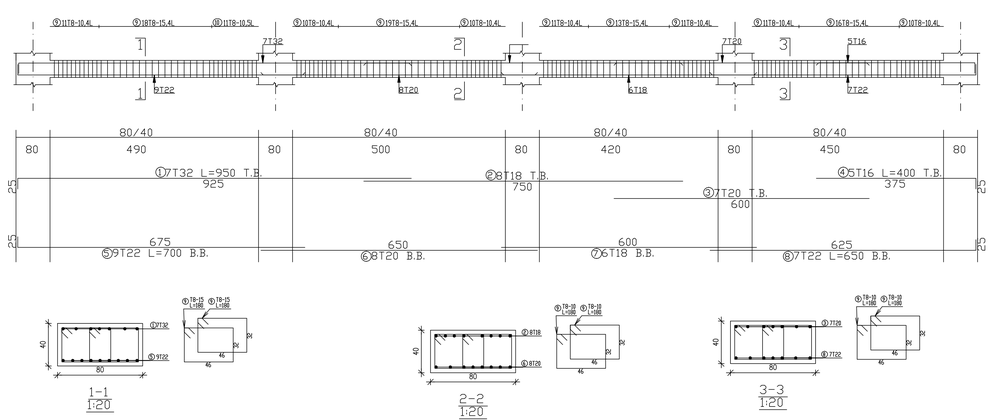

## Beam: G,B-28




## Beam: G,B-29




## Beam: G,B-30



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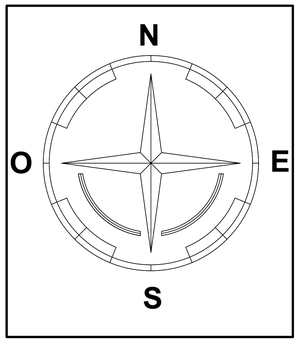
Civil Engineering




# Project: Hospital

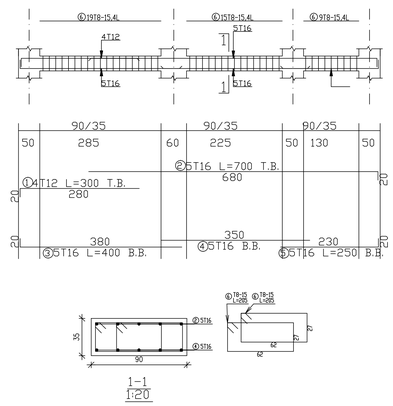
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

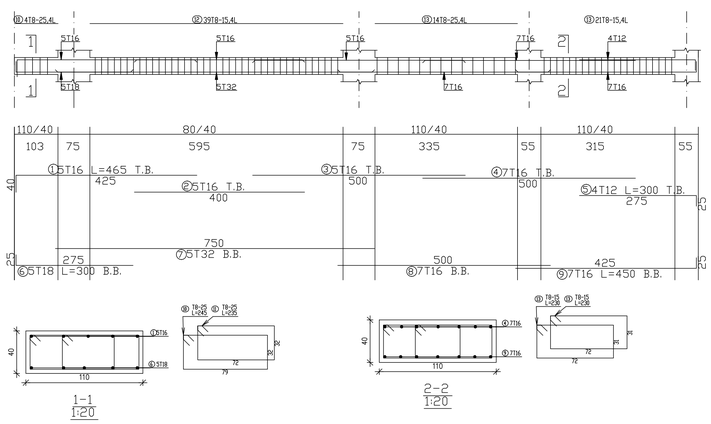
Drawing Title:
Detalis Of Beams (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:037 |

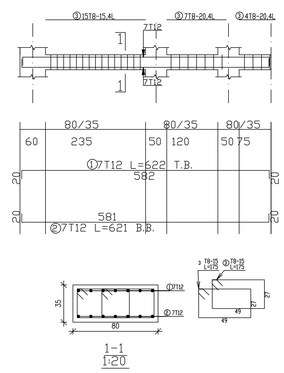
## Beam: G,B-31



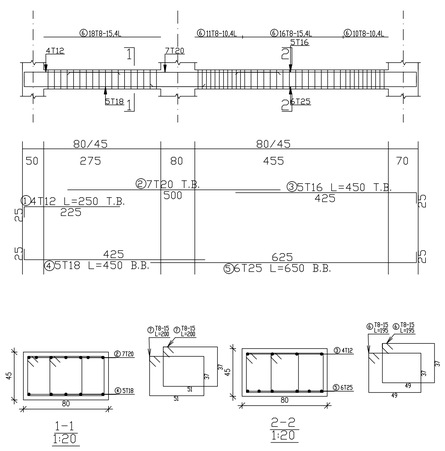

## Beam: G,B-32



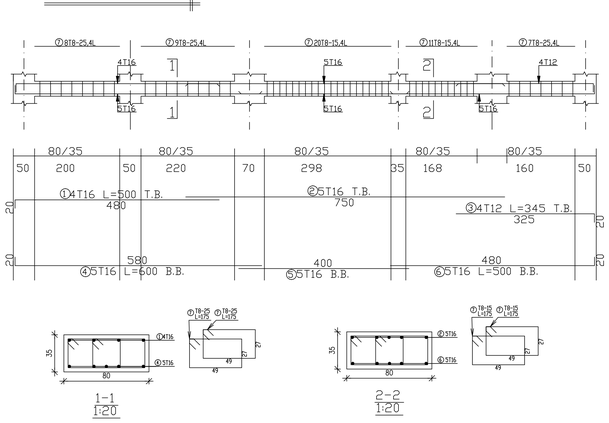

## Beam: G,B-33



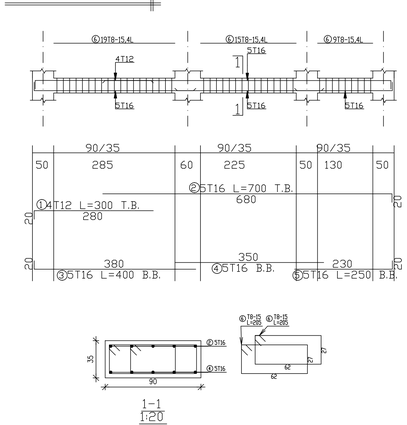

## Beam: G,B-34



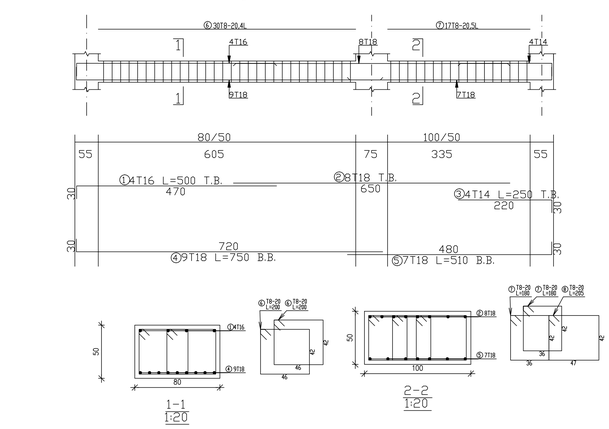

## Beam: G,B-35



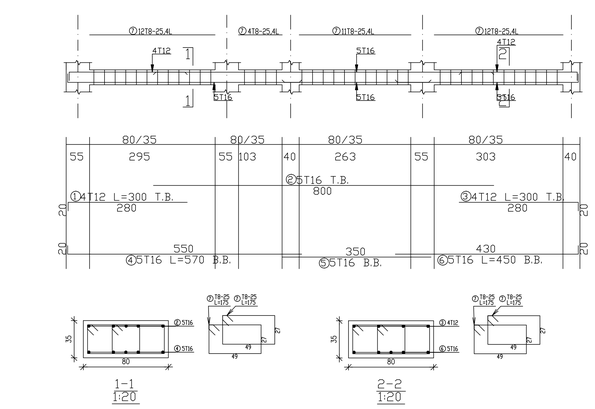

## Beam: G,B-36




## Beam: G,B-37




## Beam: G,B-38



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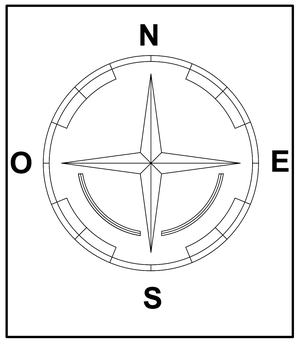



Project: Hospital

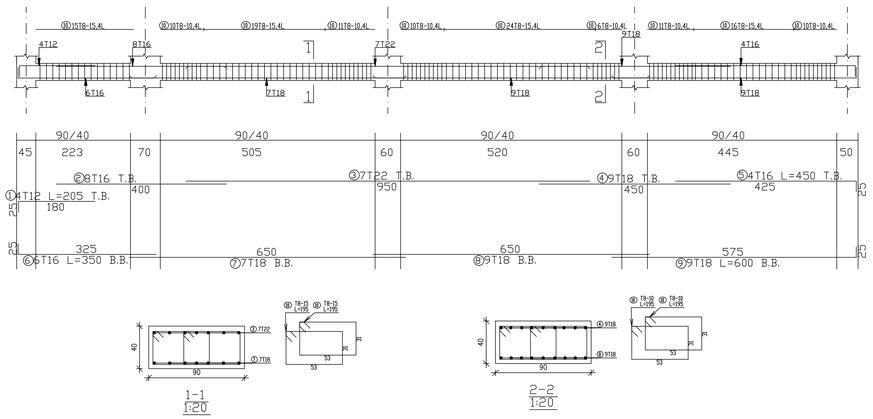
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

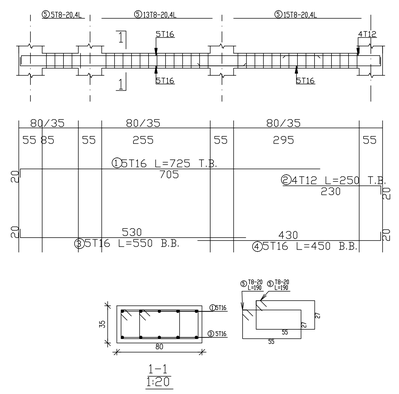
Drawing Title:
Detalis Of Beams (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:038 |

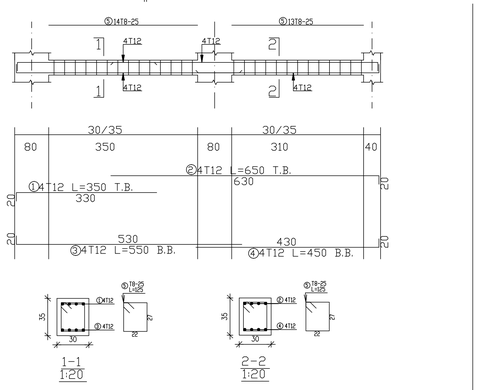
## Beam: G,B-39



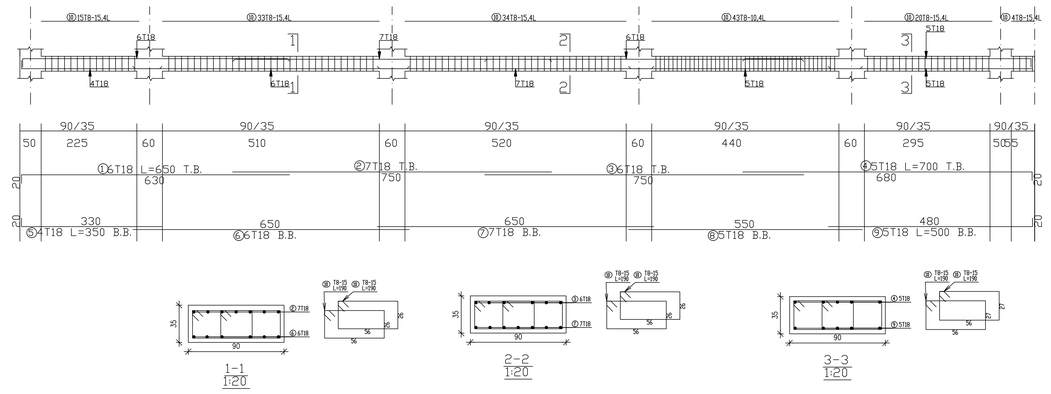

## Beam: G,B-40



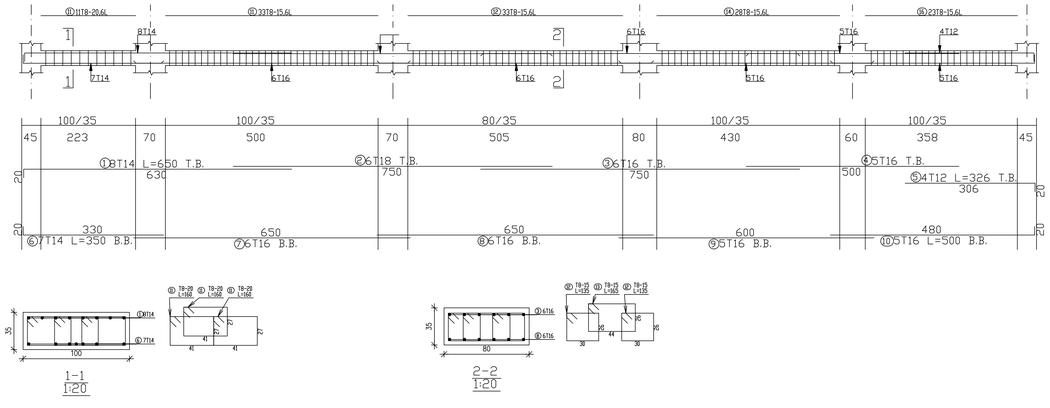

## Beam: G,B-41




## Beam: G,B-42




## Beam: G,B-43



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# Project: Hospital

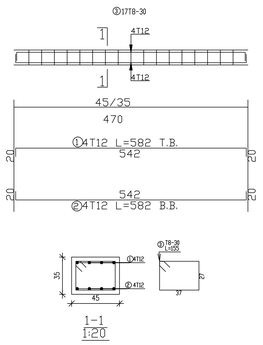
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

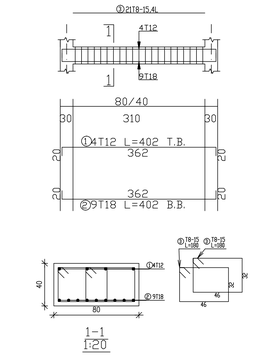
Drawing Title:
Detalis Of Beams (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:039 |

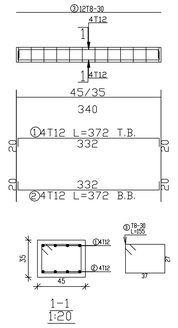
## Beam: G,B–A



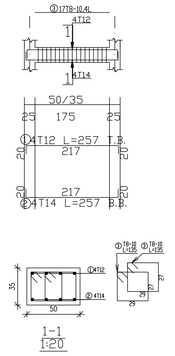

## Beam: G,B–B



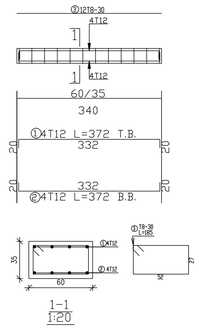

## Beam: G,B–C



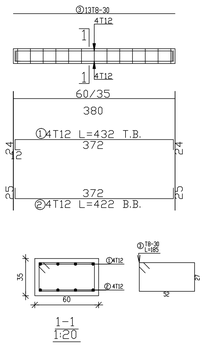

## Beam: G,B–D



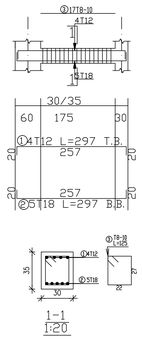

## Beam: G,B–E



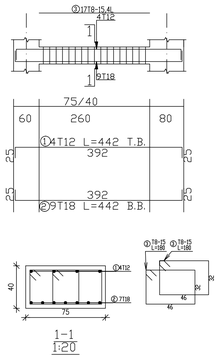

## Beam: G,B–F



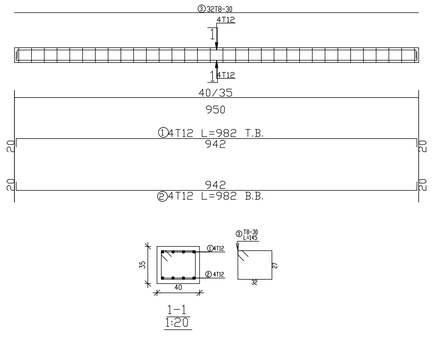

## Beam: G,B–G



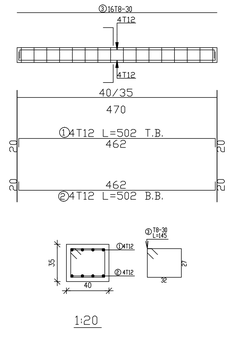

## Beam: G,B–H



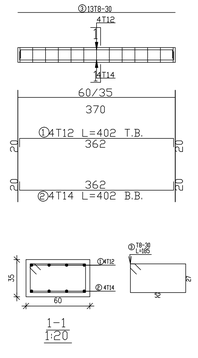

## Beam: G,B–I




## Beam: G,B–J




## Beam: G,B–K



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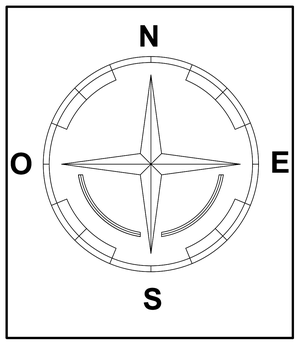


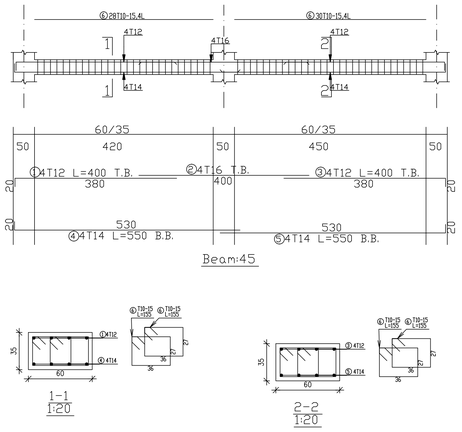

# Project: Hospital

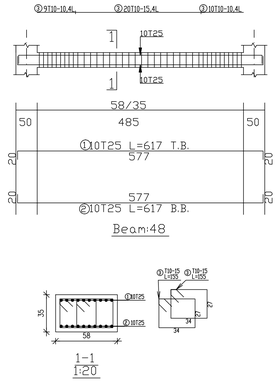
Supervisor:
ENG.Hamdi Ideas

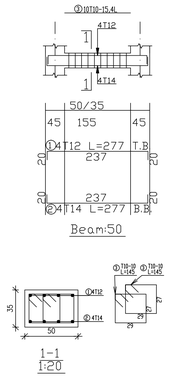
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

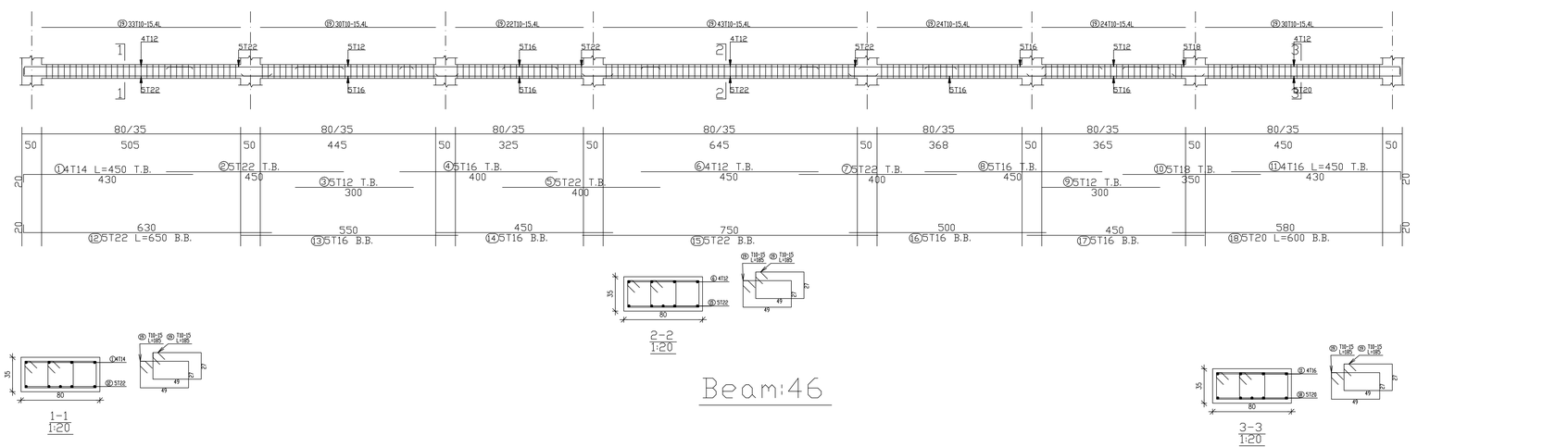
Drawing Title:
Detalis Of Beams (Ground Floor)

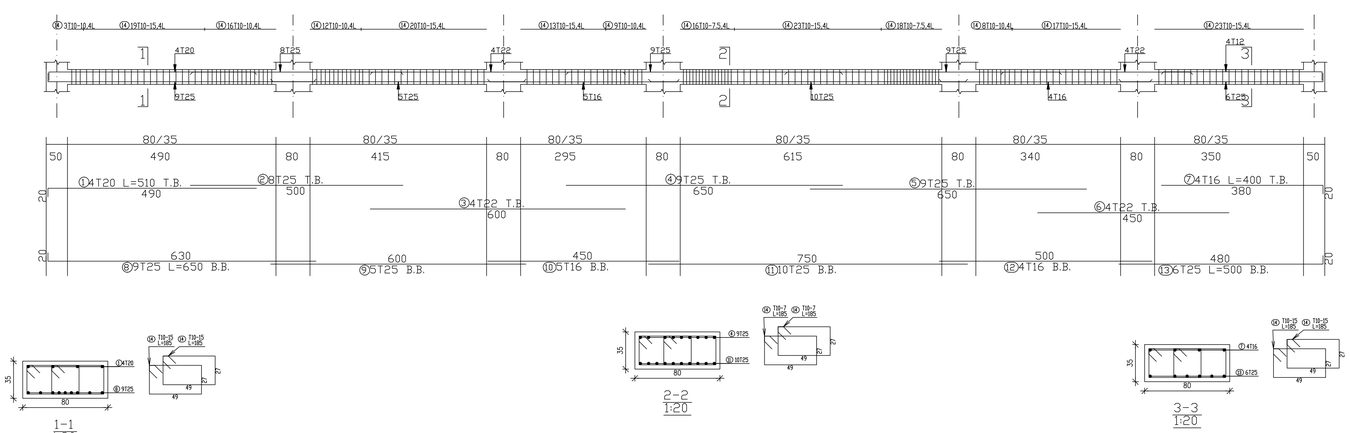
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:040 |



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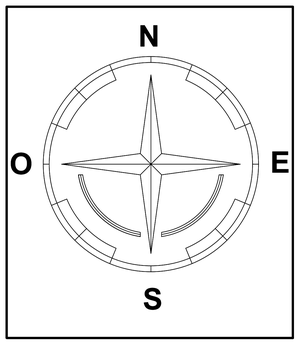



# Project: Hospital

Supervisor:ENG.Hamdi Ideas

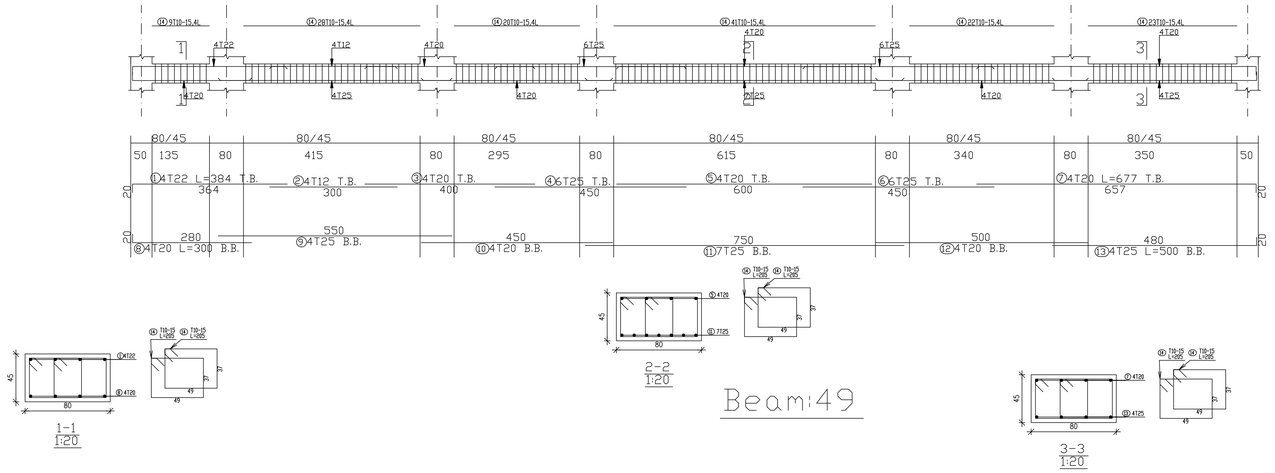
Done By:

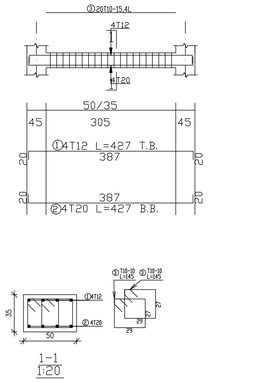
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

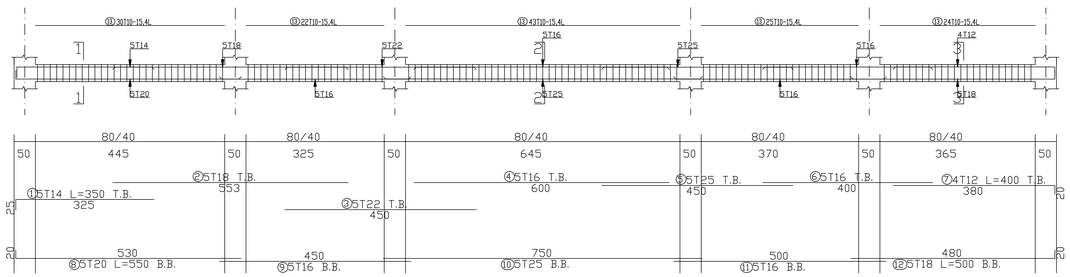
Drawing Title:

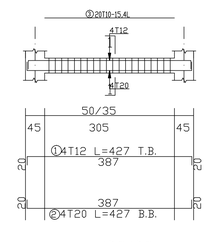
Detalis Of Beams (Ground Floor)

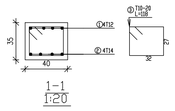
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:041 |




Execute Beam

G,B-0

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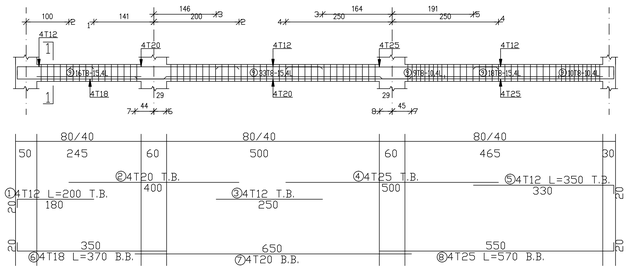
# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

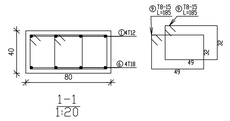
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

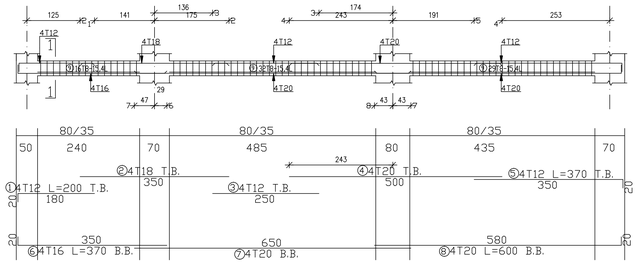
Drawing Title:
Detalis Of Beams (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:042 |

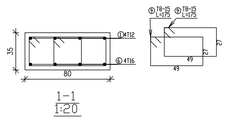


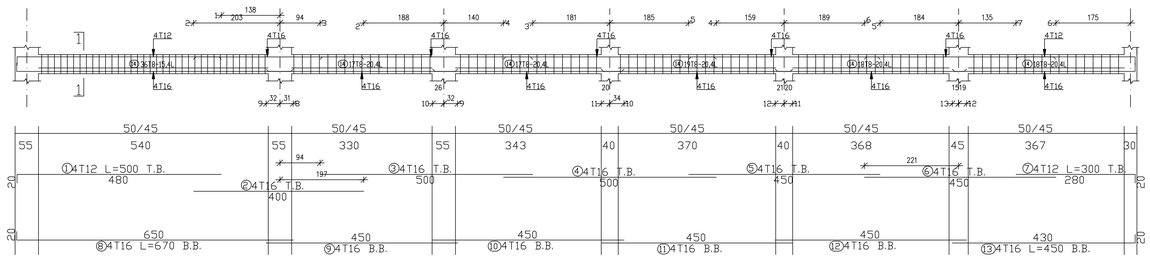

Beam: G .B 1



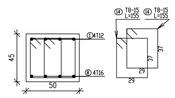



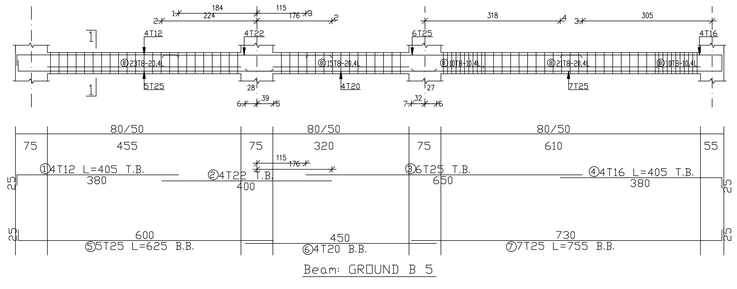

Beam: GROUND B 3



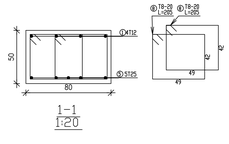



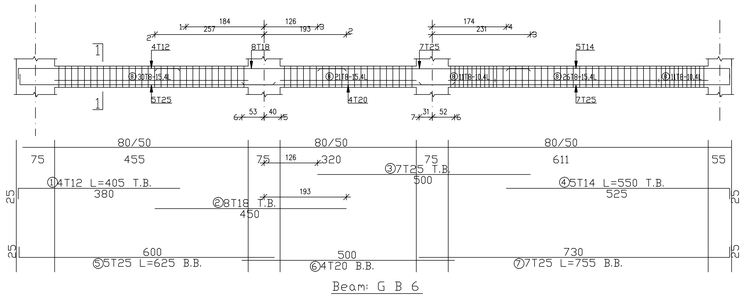

Beam:GROUND B 4



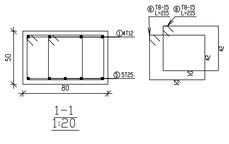




Beam: GROUND B 5




Beam: G B 6



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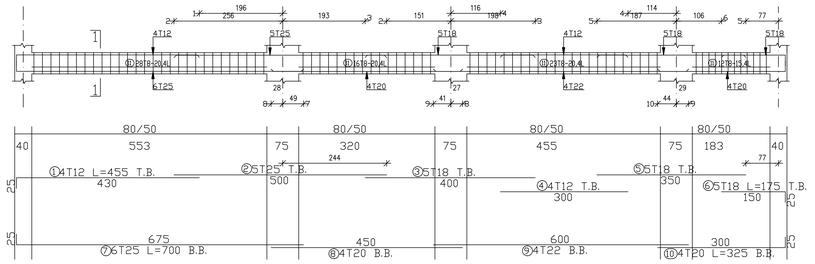
**Project: Hospital**

Supervisor:
ENG.Hamdi Ideas

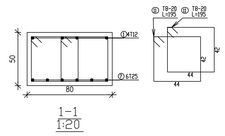
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Ground Floor)

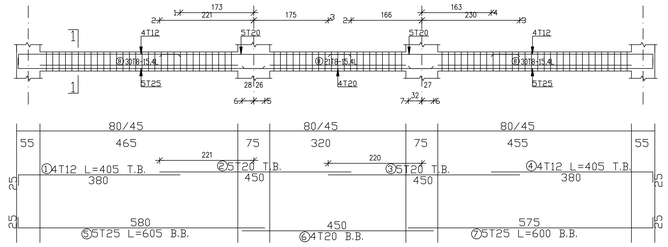
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:043 |



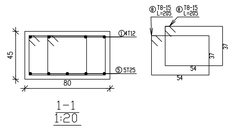

Beam: G.B 7



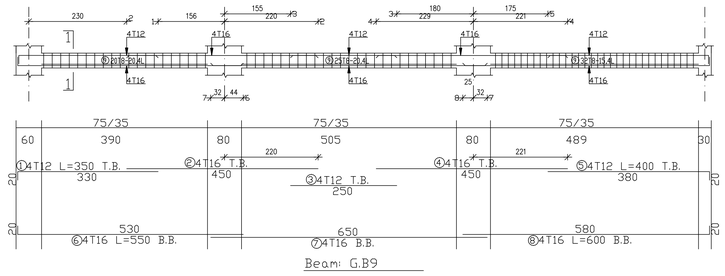
1-1
1:20



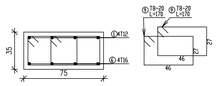

Beam: G B 8



1-1
1:20




Beam: G.B9



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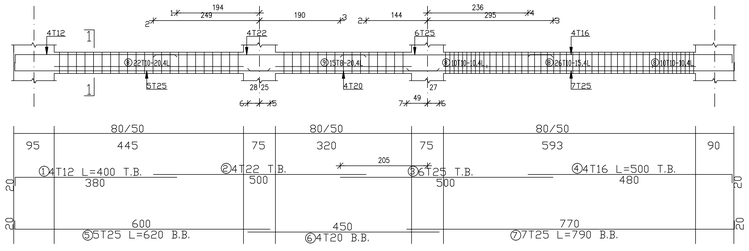
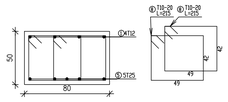



Beam: G B 10



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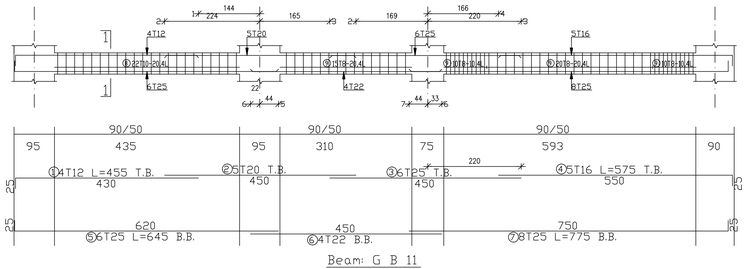
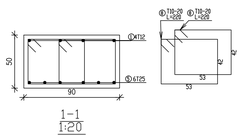
1:20




Beam: G B 11



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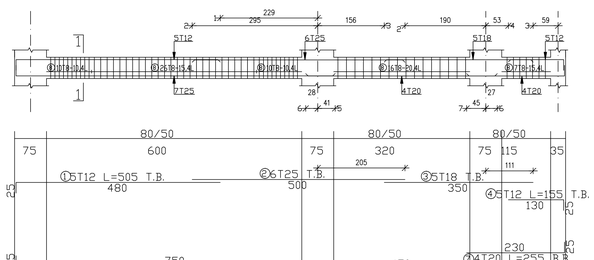
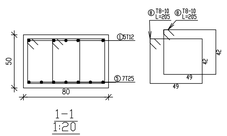
1:20




Beam: G.B 12



1-1
1:20

Palestine Polytechnic University
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Civil Engineering

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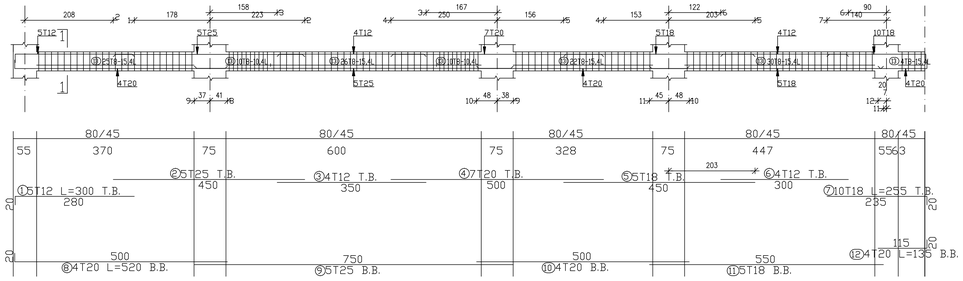
# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

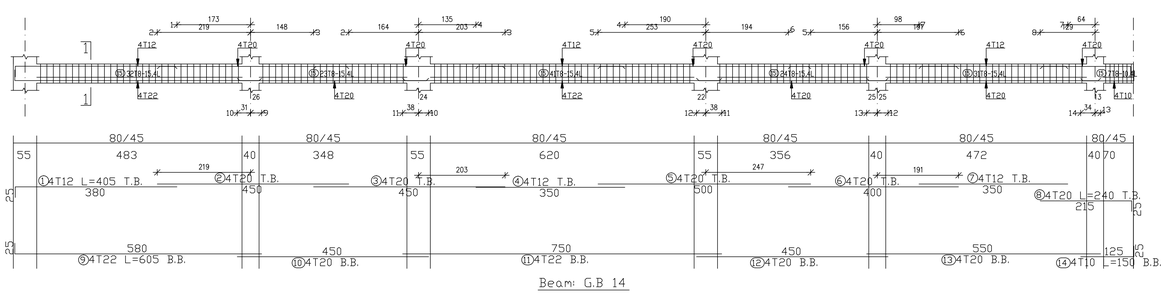
Drawing Title:
Detalis Of Beams (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:044 |




Beam: G.B 13

1-1
1:20




Beam: G.B 14

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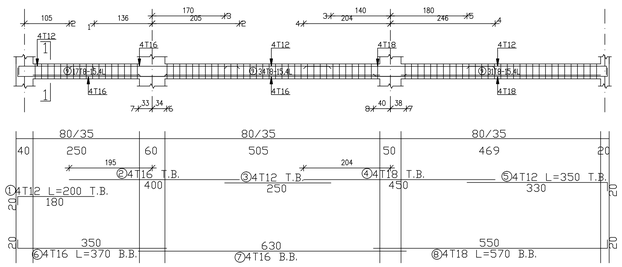
1:20




Beam: G.B 15

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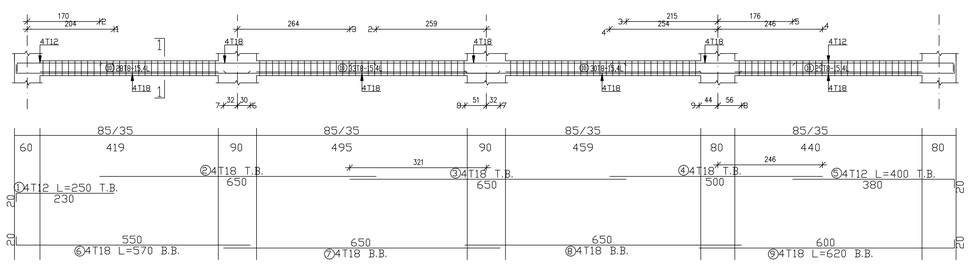
1:20




Beam: G.B 16

1-1
1:20

Palestine Polytechnic University
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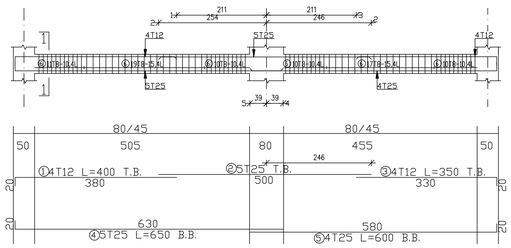
# Project: Hospital

Supervisor:
ENG.Hamdi Ideas

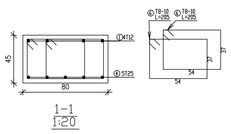
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Ground Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:045 |



Beam:G .19



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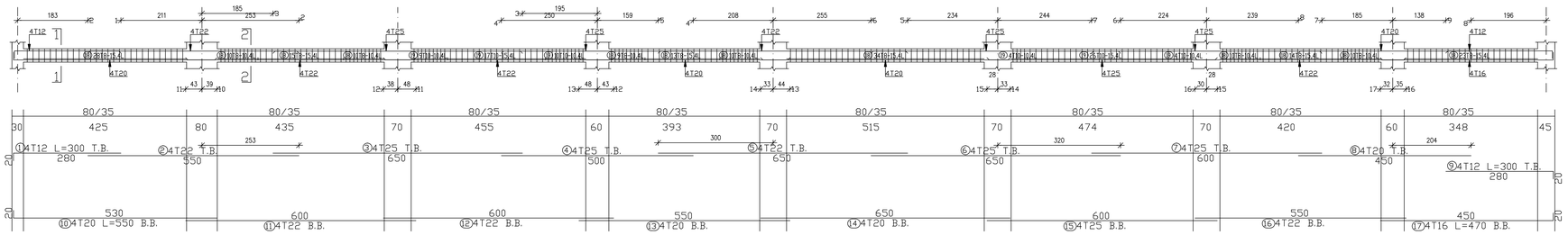
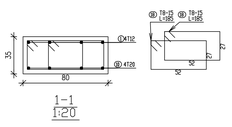


Beam: G.F 20



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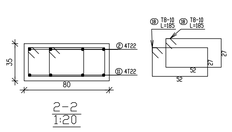
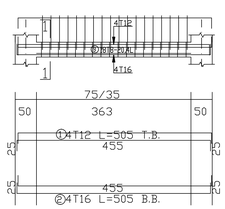
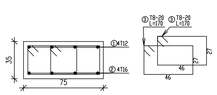


2-2
1:20



Beam: G.23 RIGHT



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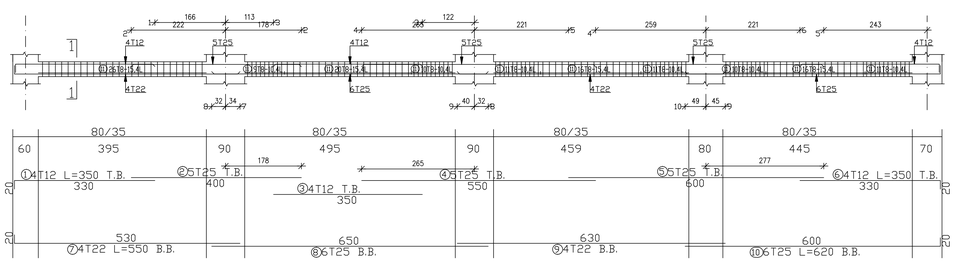
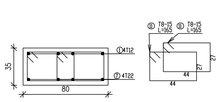


Beam:G.B 24



1-1
1:20

Palestine Polytechnic University
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Project: Hospital

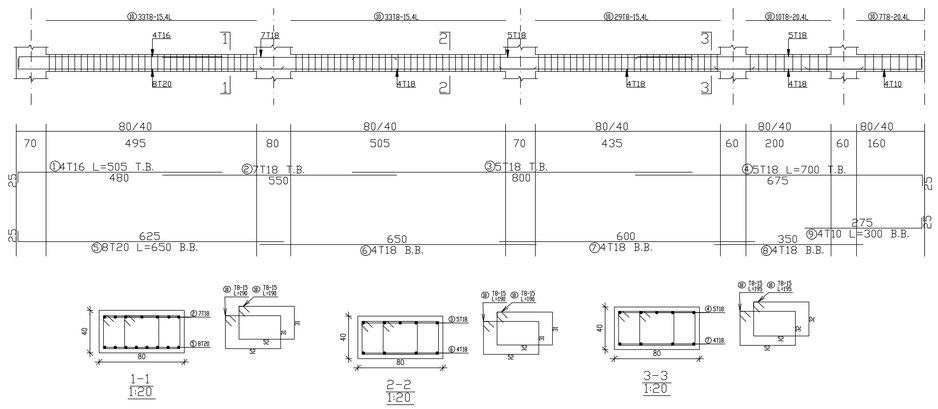
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

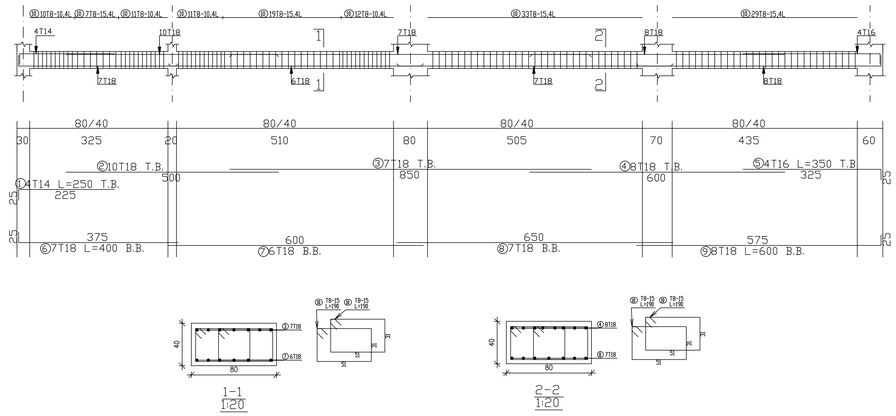
Drawing Title:
Detalis Of Beams (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:046 |

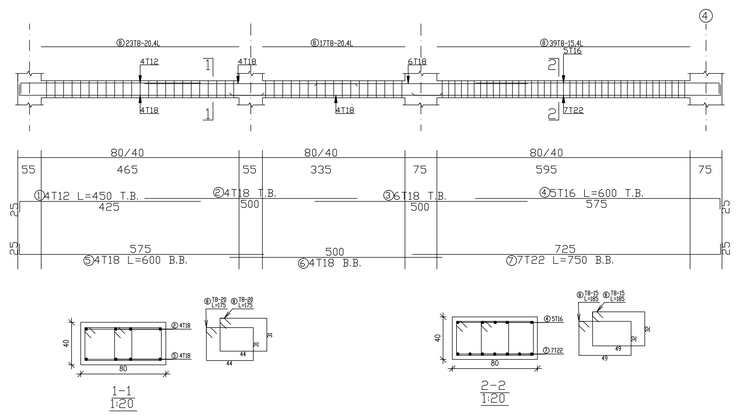
## Beam: F,B-23



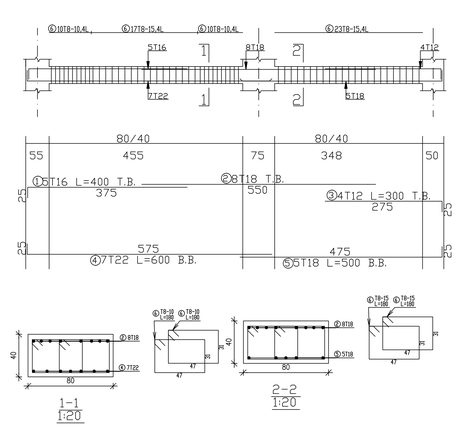

## Beam: F,B-24



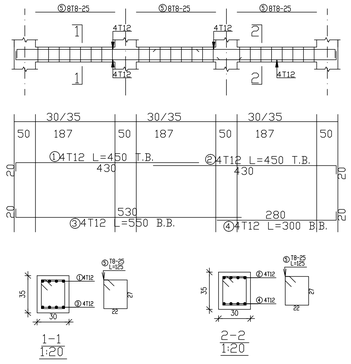

## Beam: F,B-25



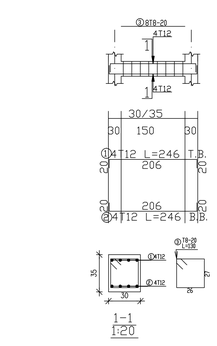

## Beam: F,B-26



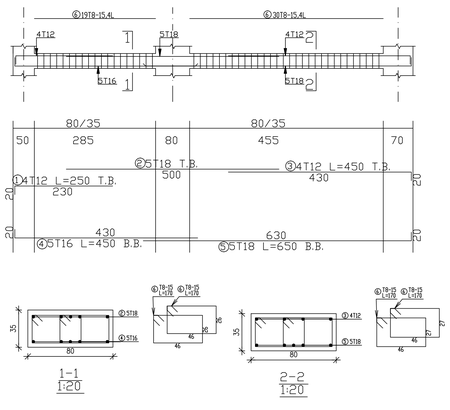

## Beam: F,B-27



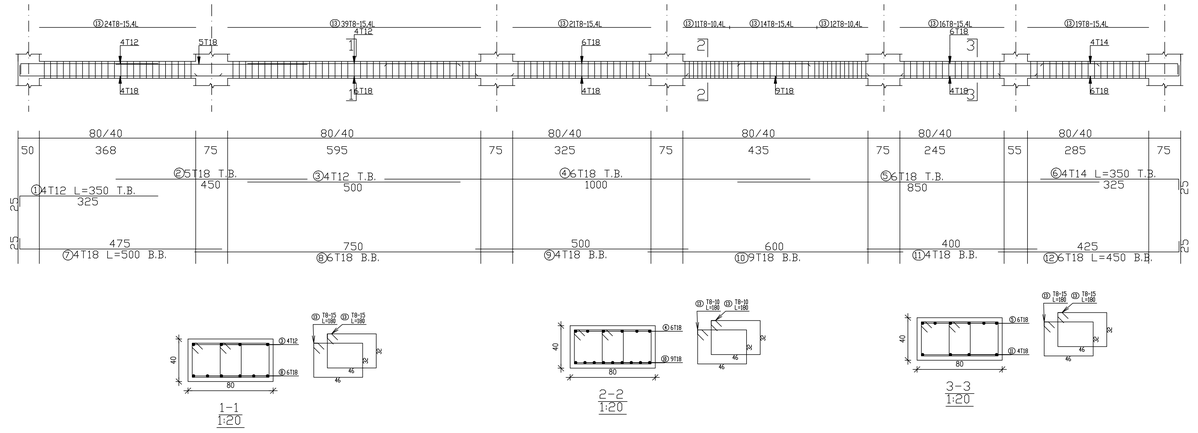

## Beam: F,B-28




## Beam: F,B-29




## Beam: F,B-30



Palestine Polytechnic University
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Civil Engineering

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# Project: Hospital

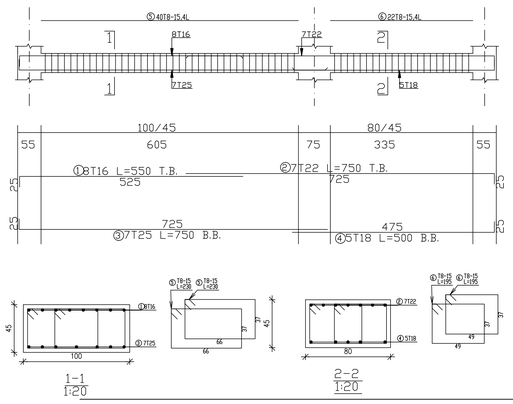
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

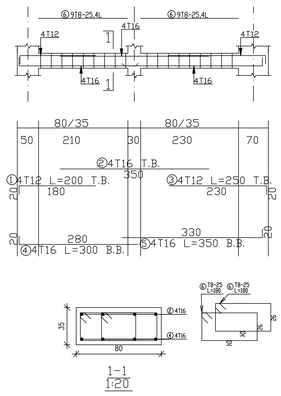
Drawing Title:
Detalis Of Beams (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:047 |

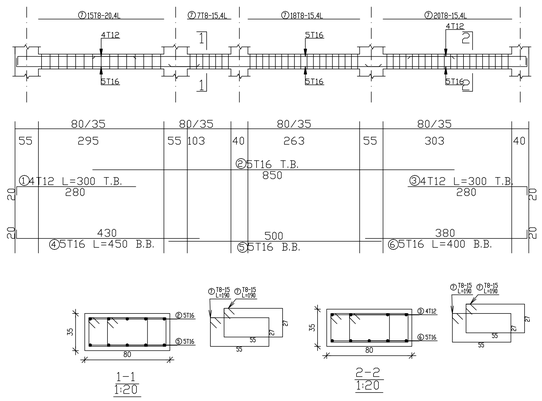
## Beam: F,B-31

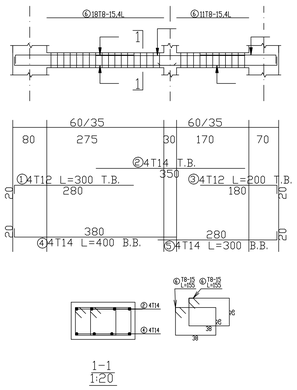



## Beam: F,B-32

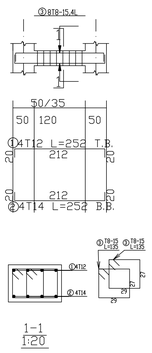



## Beam: F,B-33

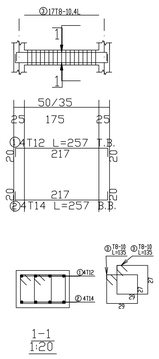


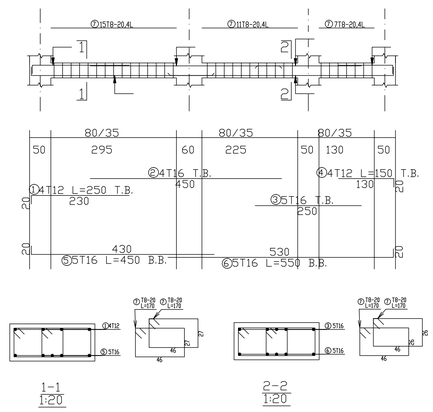

## Beam: F,B-35



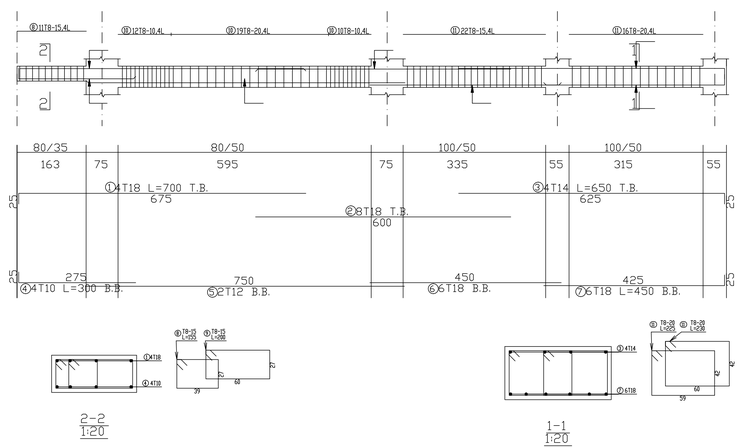

## Beam: F,B-36



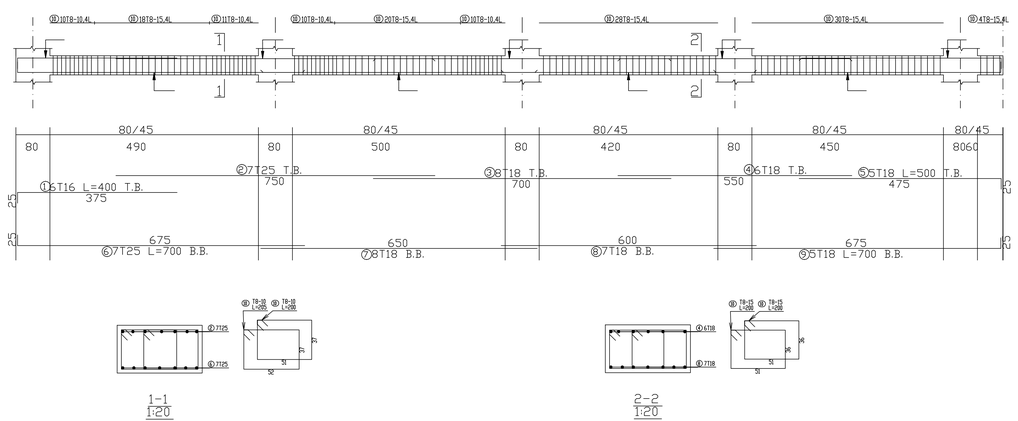

## Beam: F,B-37




## Beam: F,B-38




## Beam: F,B-39



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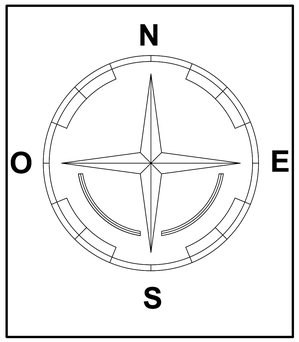



# Project: Hospital

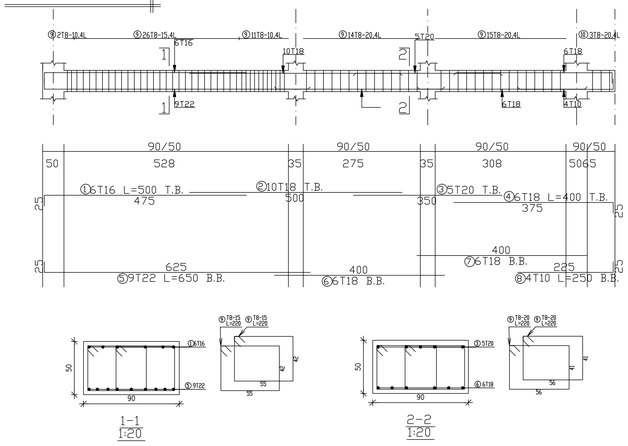
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

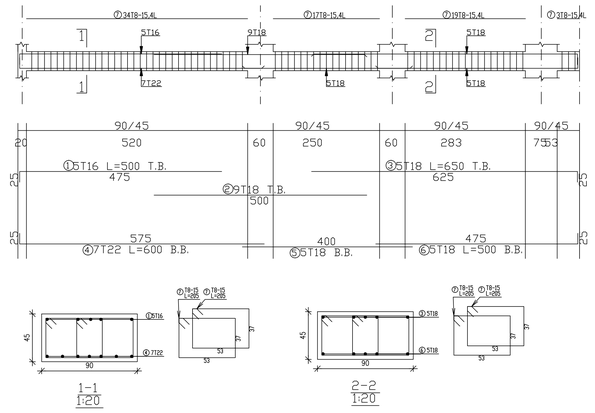
Drawing Title:
Detalis Of Beams (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:048 |

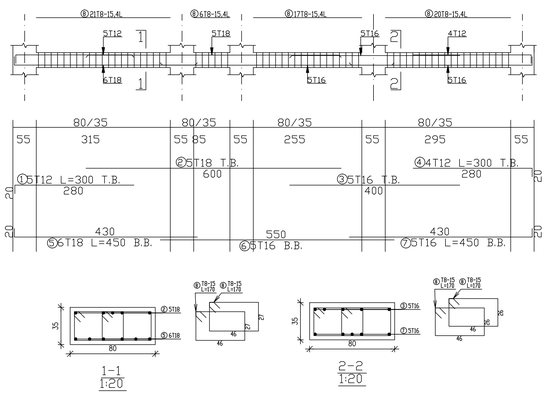
## Beam: F,B-40



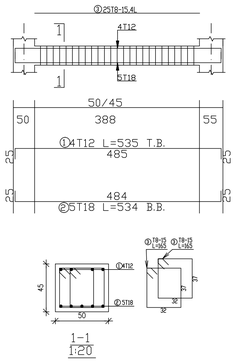

## Beam: F,B-41



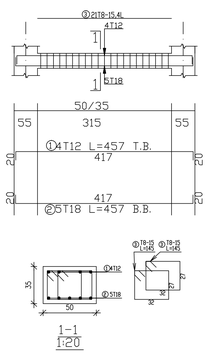

## Beam: F,B-42



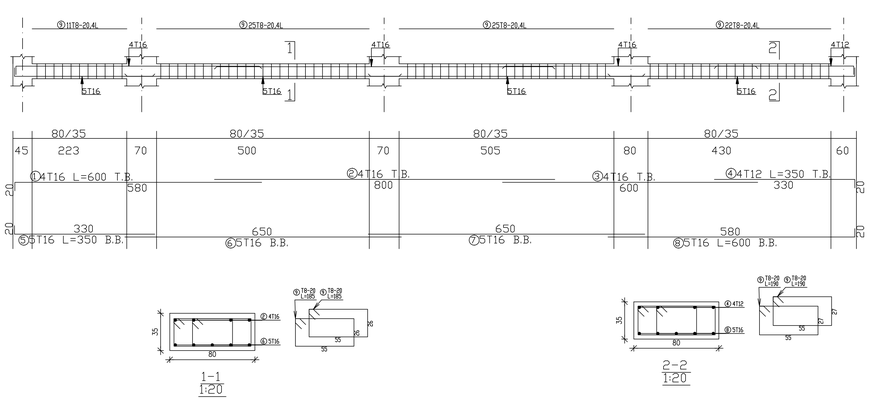

## Beam: F,B-43



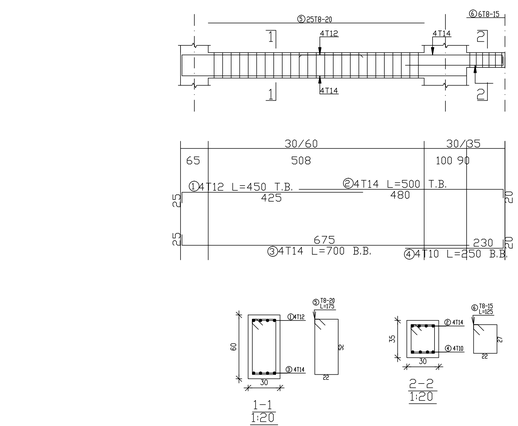

## Beam: F,B-44




## Beam: F,B-45




## Beam: F,B-46



Palestine Polytechnic University
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# Project: Hospital

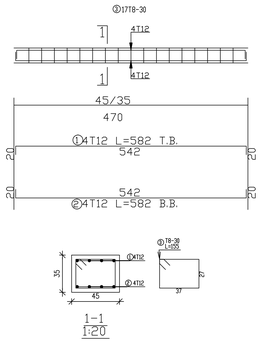
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

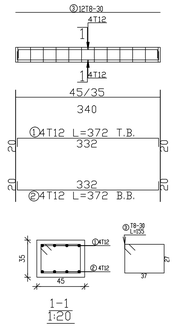
Drawing Title:
Detalis Of Beams (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:049 |

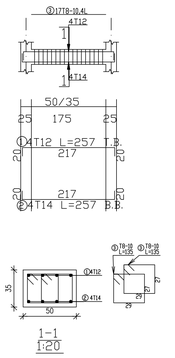
## Beam: G,B-A



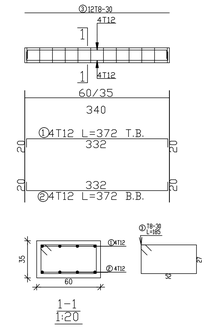

## Beam: G,B-C



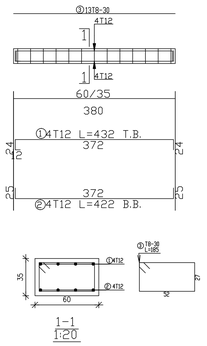

## Beam: G,B-D



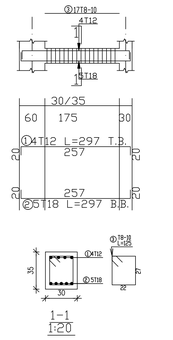

## Beam: G,B-E



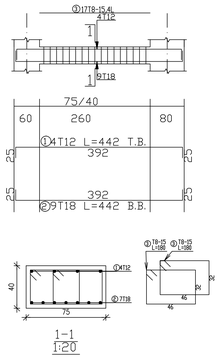

## Beam: G,B-F



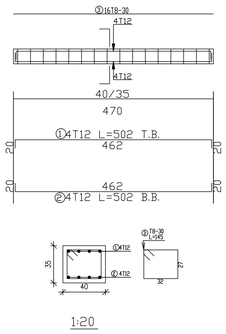

## Beam: G,B-G




## Beam: G,B-H




## Beam: G,B-J

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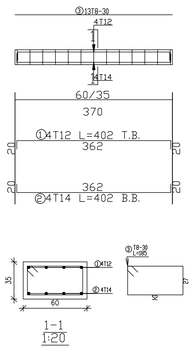


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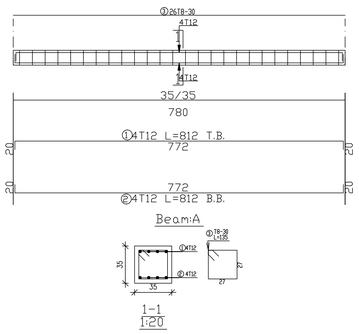


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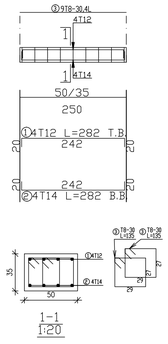
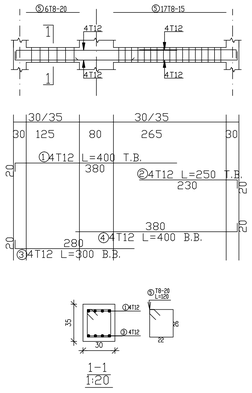



## Beam: F,B-C



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

N
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S

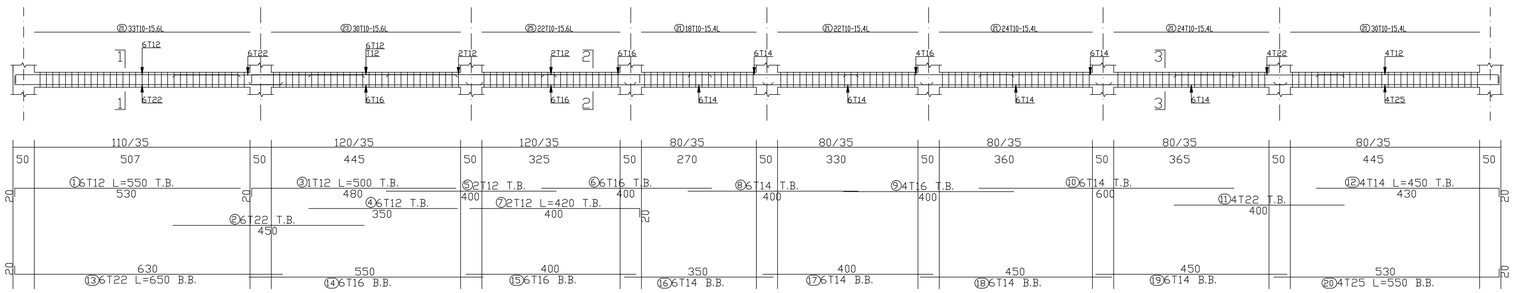
Project: Hospital

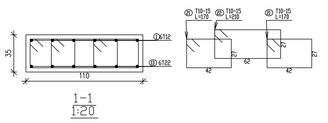
Supervisor:
ENG. Hamdi Ideas

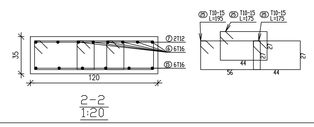
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:050 |

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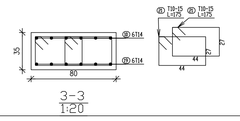


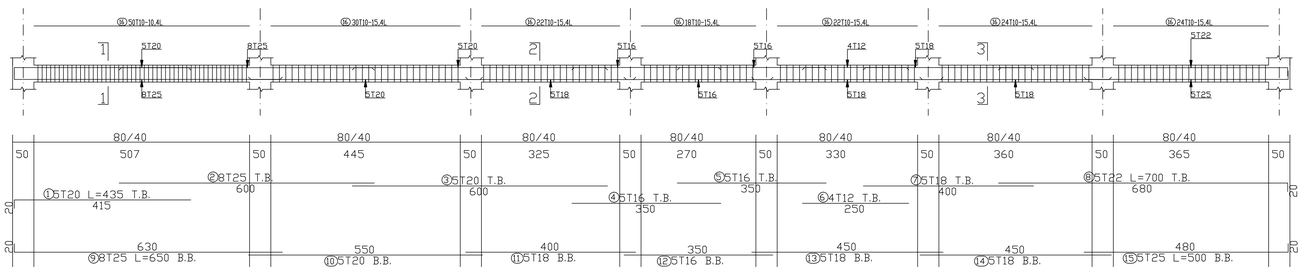


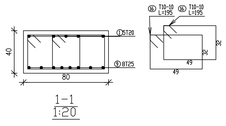


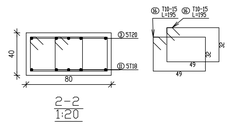


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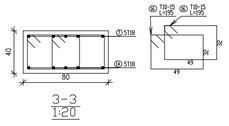


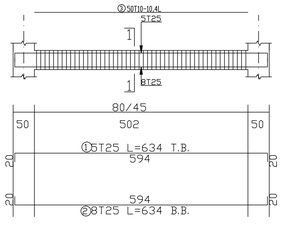


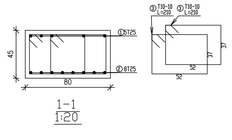


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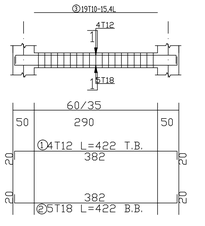


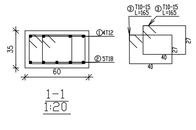


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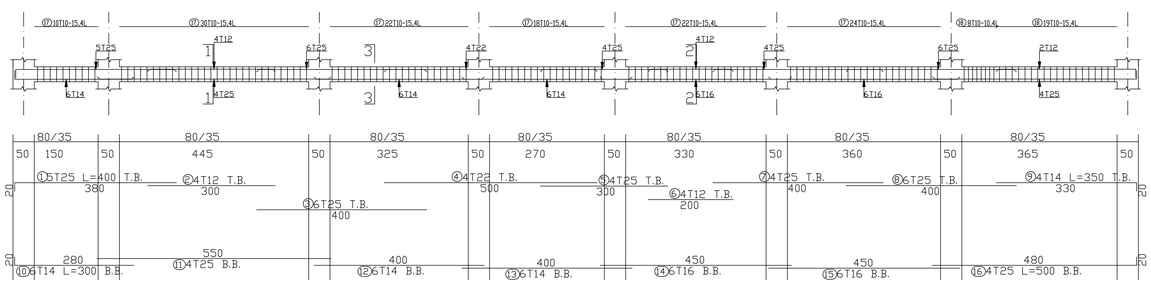


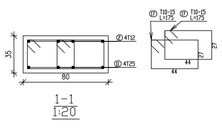


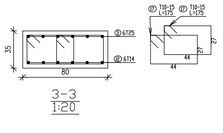


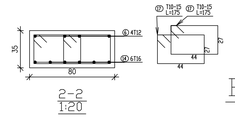


Beam:52

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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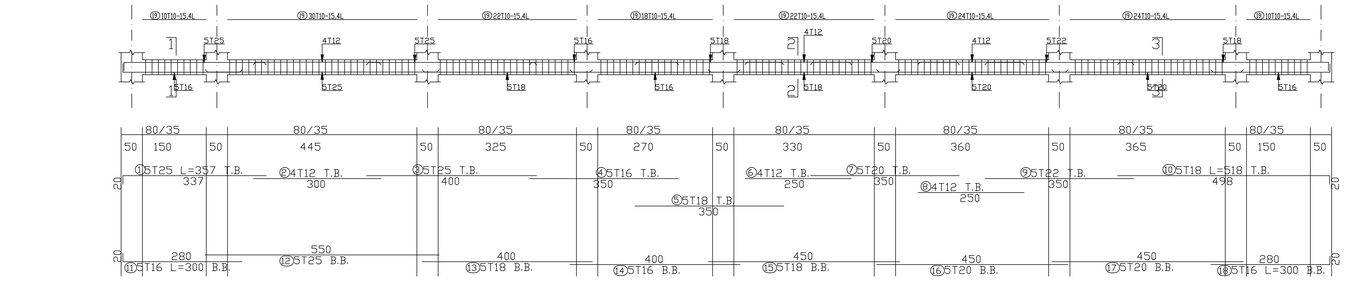
Project: Hospital

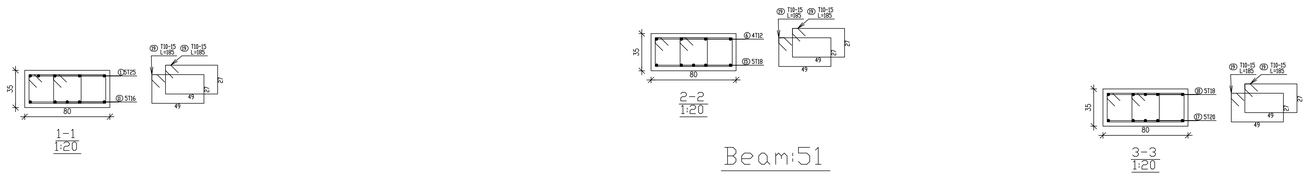
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:051 |

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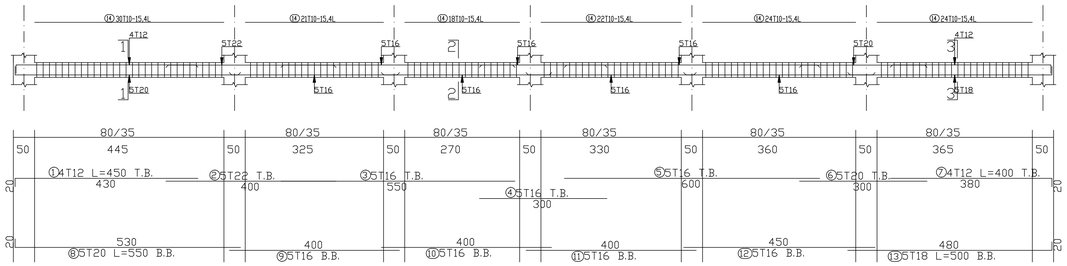


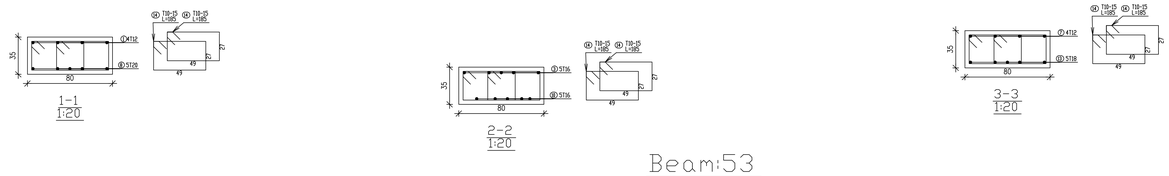


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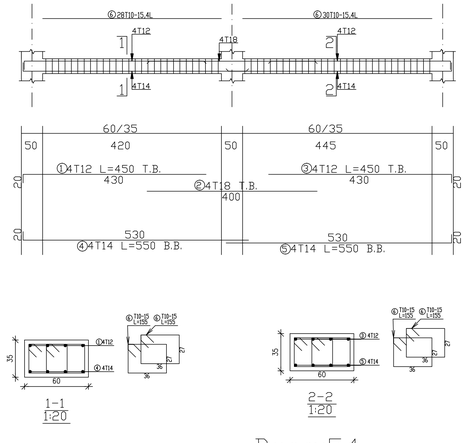


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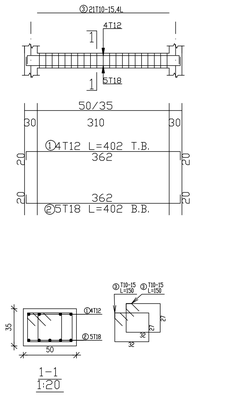


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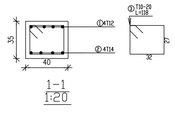


Execute Beam
F-b,0

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

N
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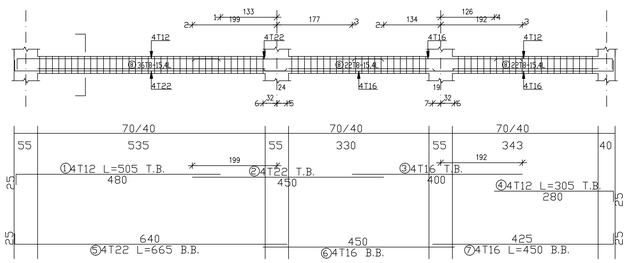
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

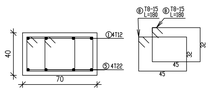
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (First Floor)

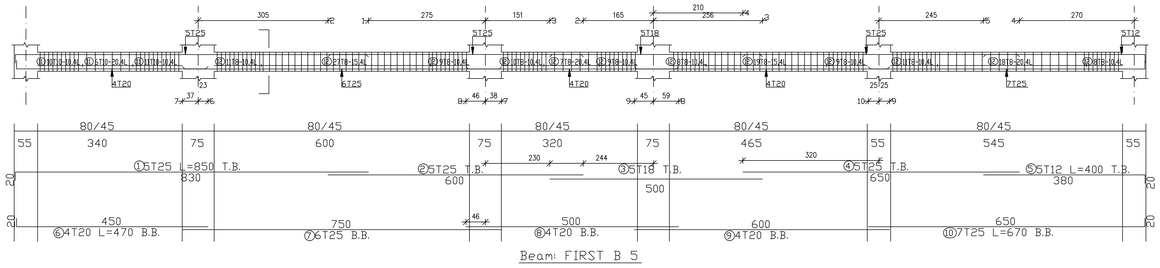
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:052 |



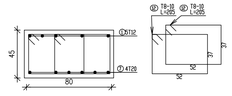

Beam: FIRST B 3




1:20




Beam: FIRST B 5

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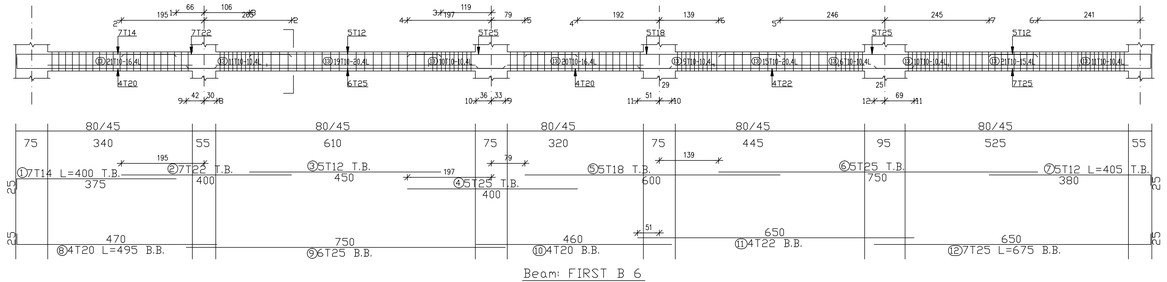


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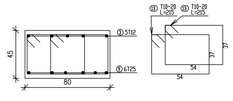


1:20

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

N
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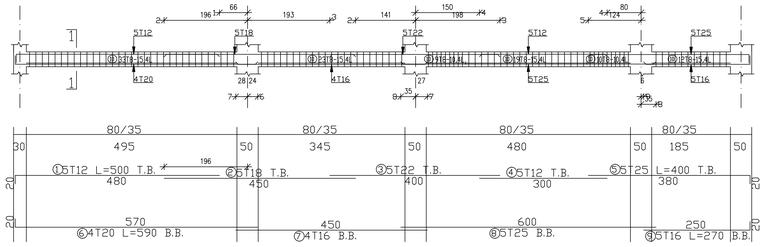
## Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:053 |

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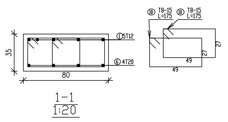
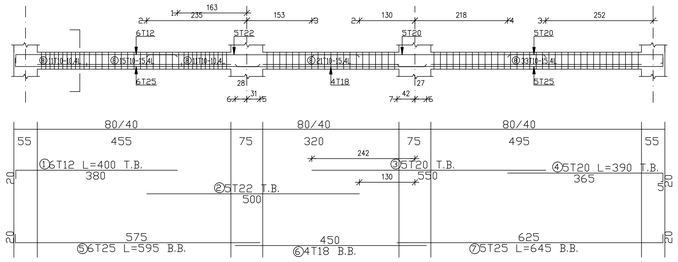
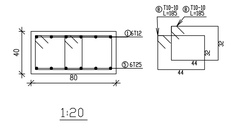
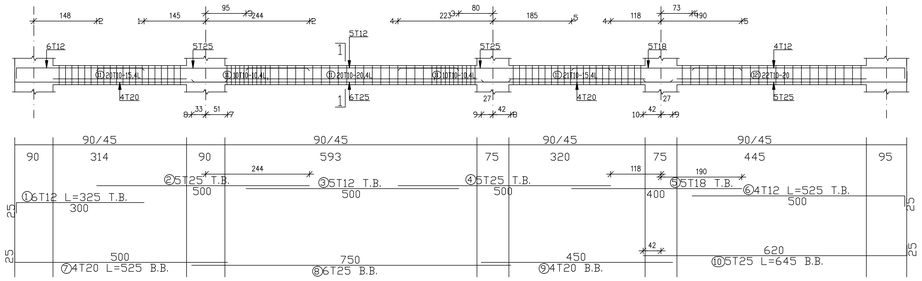


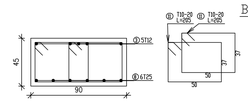



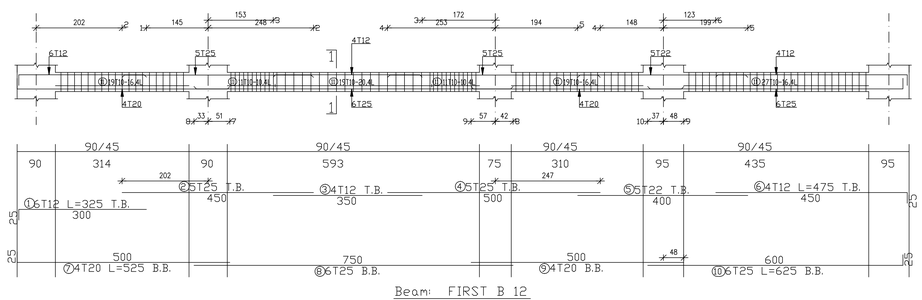

Beam: FIRST 10



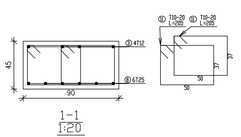



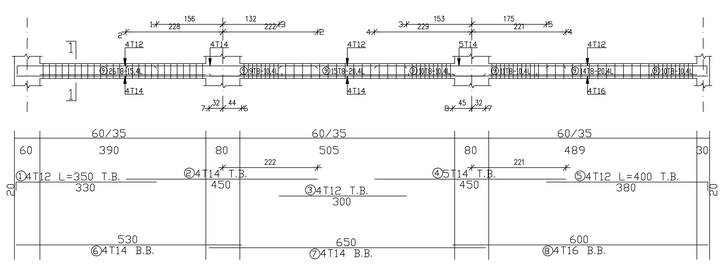

Beam: FIRST B 11



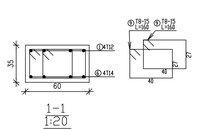




Beam: FIRST B 12




Beam: FIRST 13



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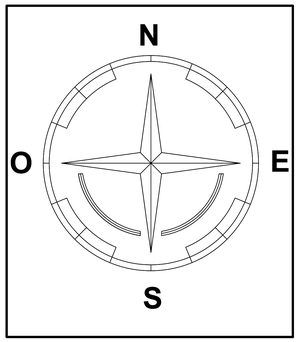


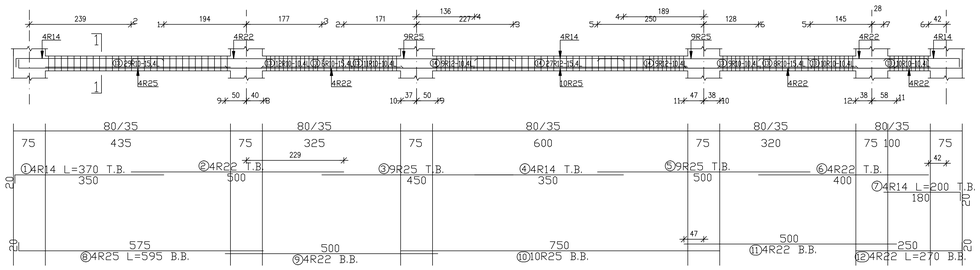

# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

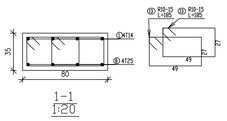
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

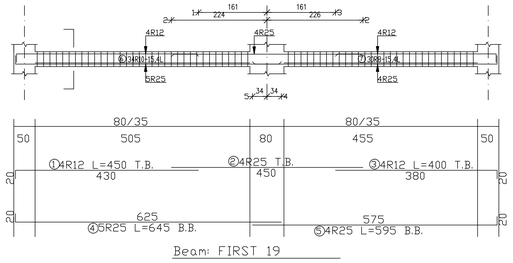
Drawing Title:
Detalis Of Beams (First Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:054 |

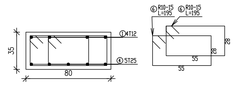


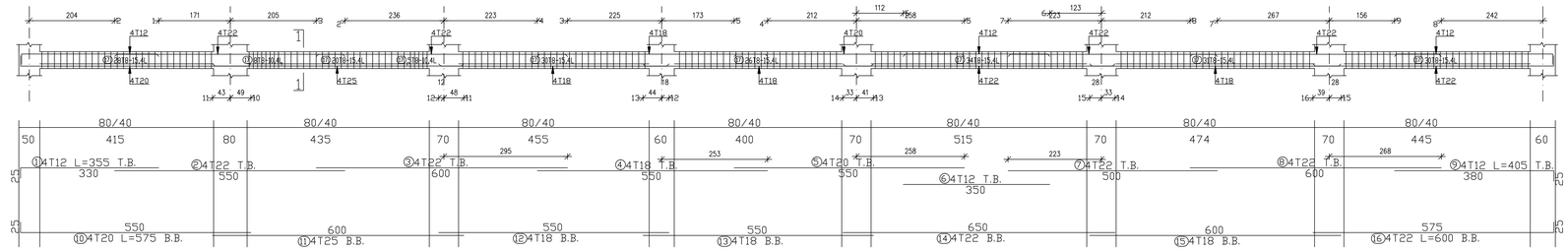

Beam: FIRST 15



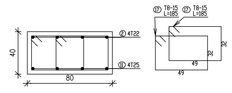



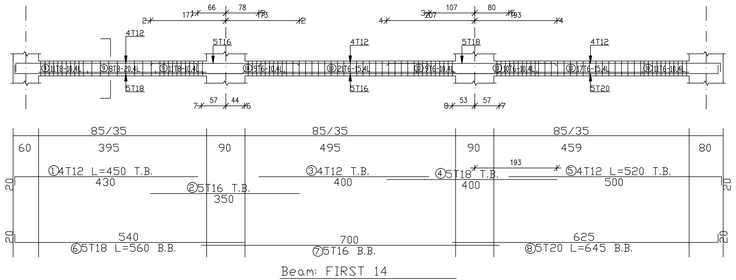

Beam: FIRST 19



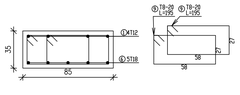




Beam: FIRST B 8




Beam: FIRST 14



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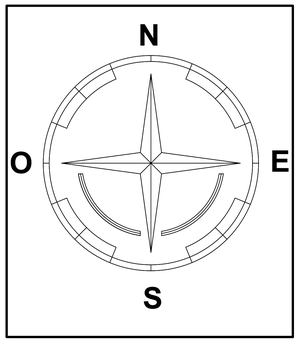



Project: Hospital

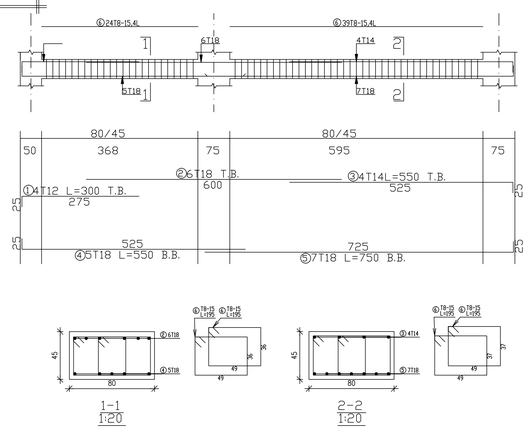
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

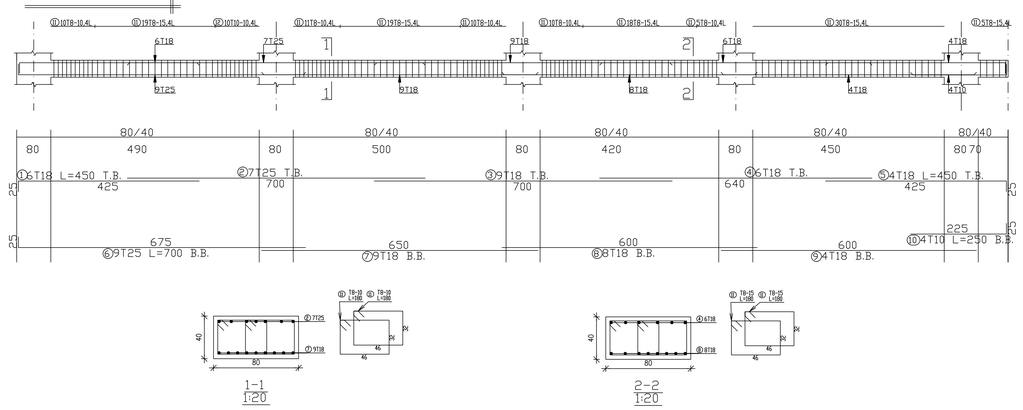
Drawing Title:
Detalis Of Beams (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:055 |

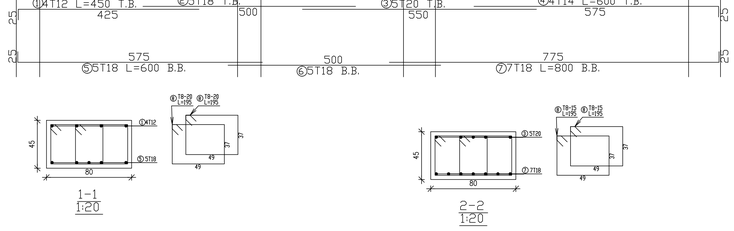
## Beam: S,B-27



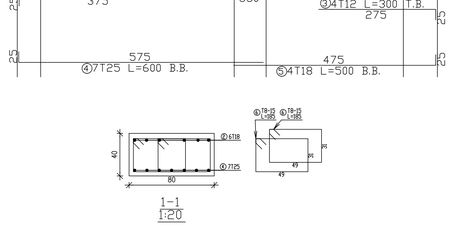

## Beam: S,B-28



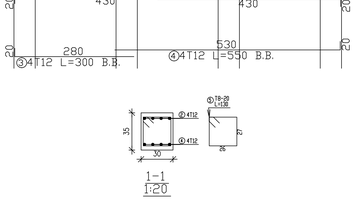

## Beam: S,B-29



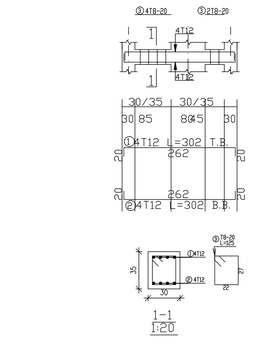

## Beam: S,B-30



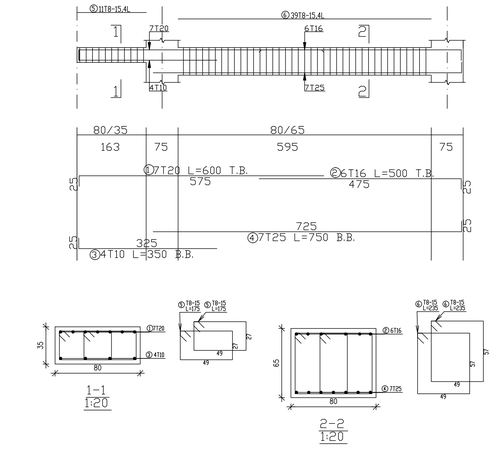

## Beam: S,B-31



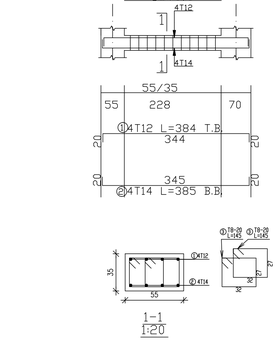

## Beam: S,B-32




## Beam: S,B-33




## Beam: S,B-34



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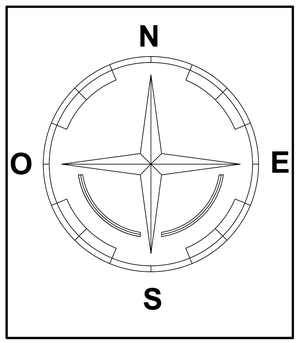
Civil Engineering




# Project: Hospital

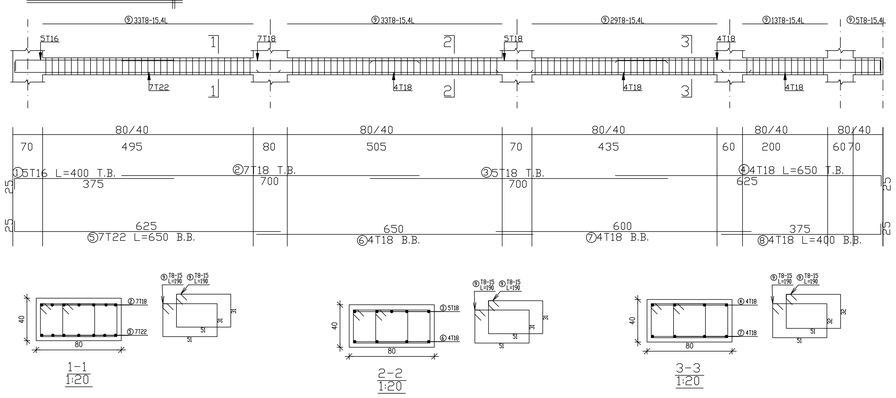
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

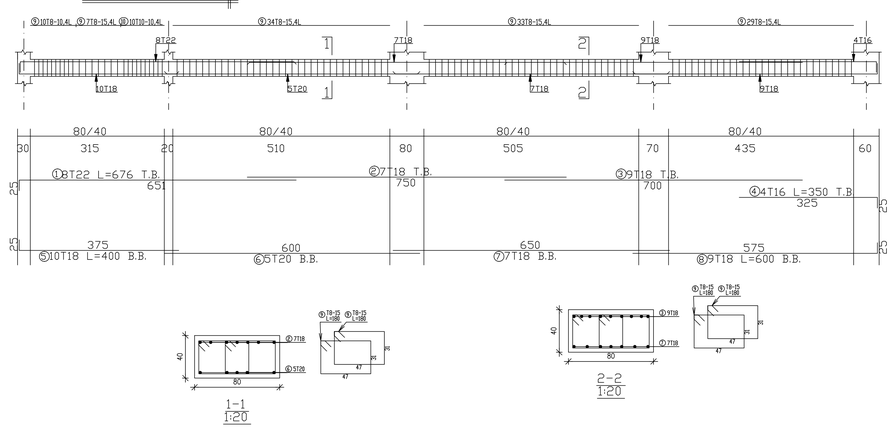
Drawing Title:
Detalis Of Beams (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:056 |

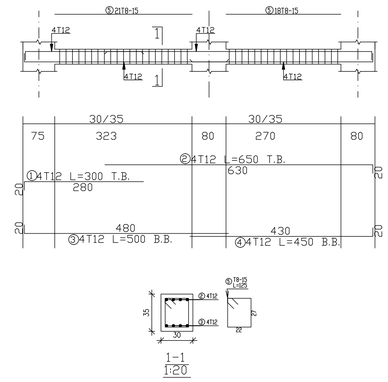
## Beam: S,B-35



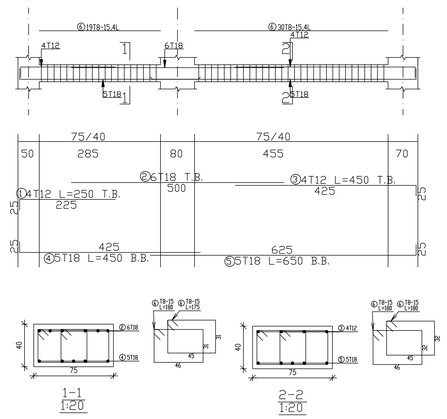

## Beam: S,B-36



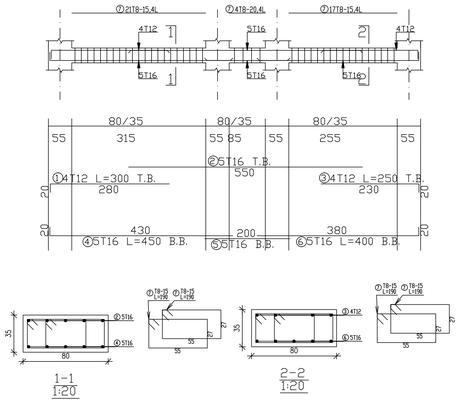

## Beam: S,B-37



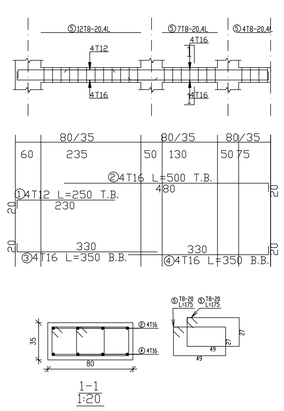

## Beam: S,B-38



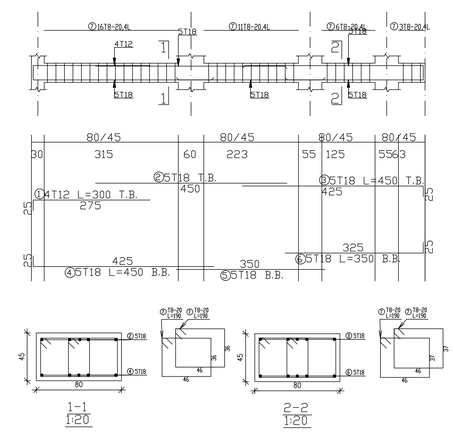

## Beam: S,B-39



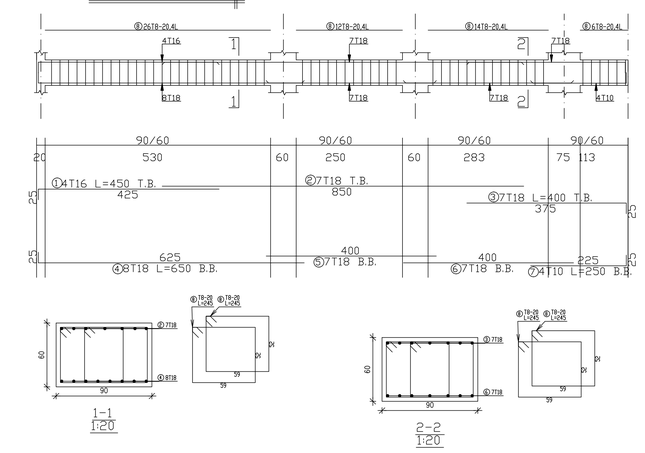

## Beam: S,B-40




## Beam: S,B-41




## Beam: S,B-42



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# Project: Hospital

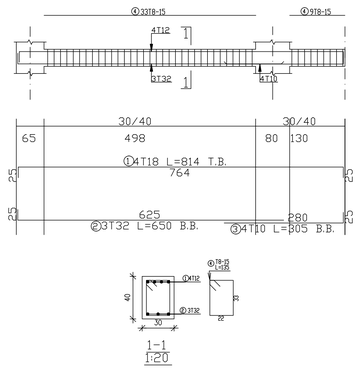
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

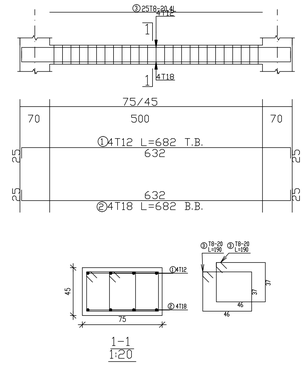
Drawing Title:
Detalis Of Beams (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:057 |

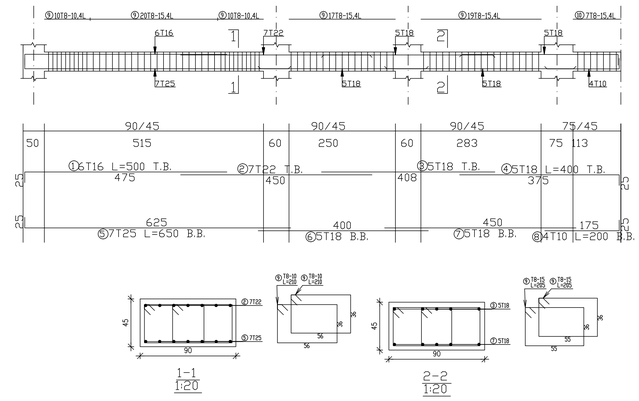
## Beam: S,B-43



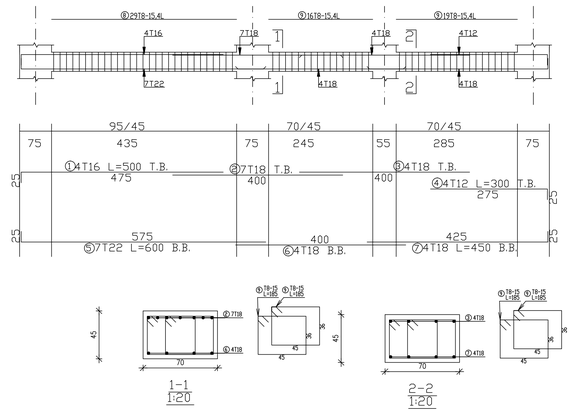

## Beam: S,B-44



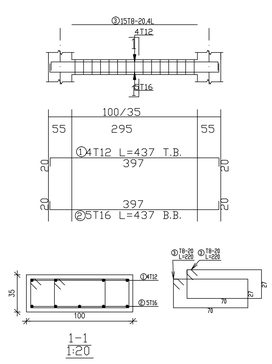

## Beam: S,B-45



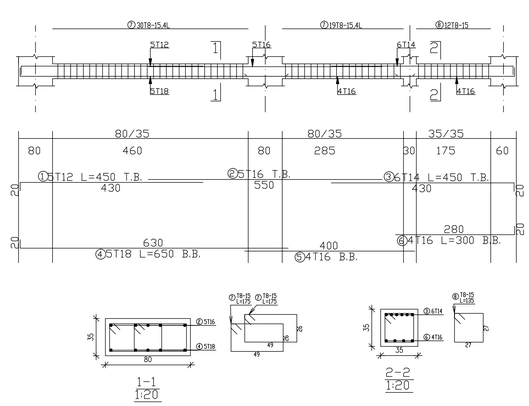

## Beam: S,B-46



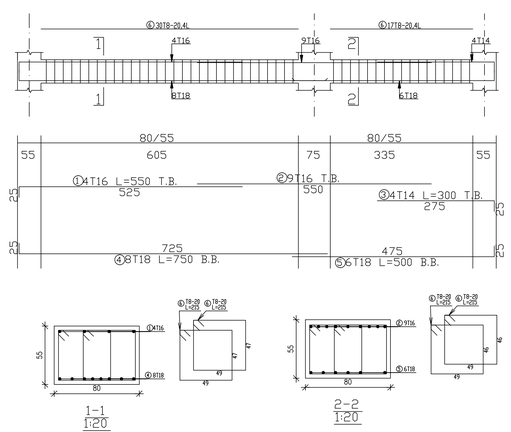

## Beam: S,B-47



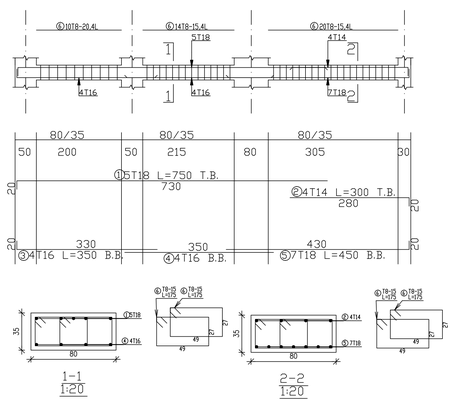

## Beam: S,B-48



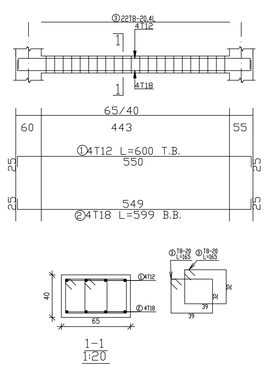

## Beam: S,B-49



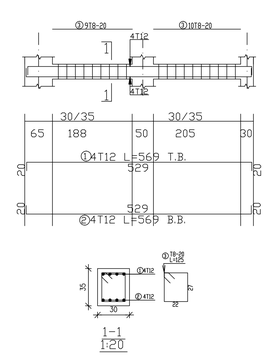

## Beam: S,B-50




## Beam: S,B-51




## Beam: S,B-52



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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**Project: Hospital**

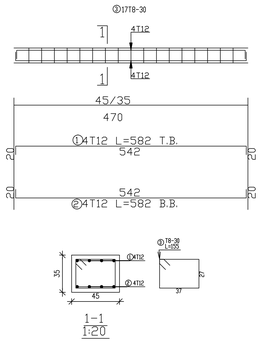
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

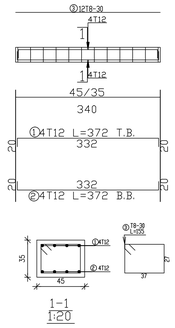
Drawing Title:
Detalis Of Beams (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:058 |

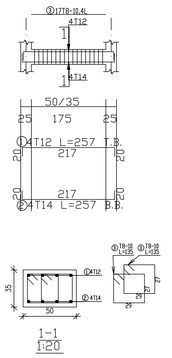
## Beam: G,B-A



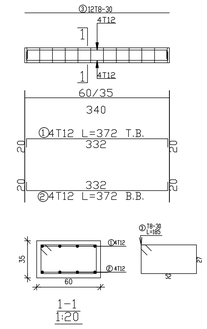

## Beam: G,B-C



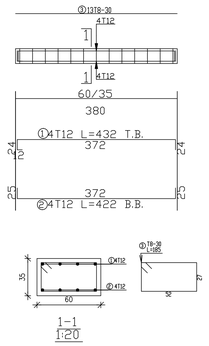

## Beam: G,B-D



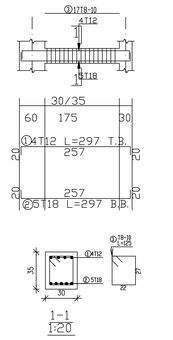

## Beam: G,B-E



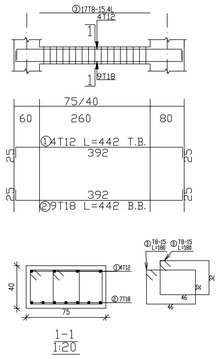

## Beam: G,B-F



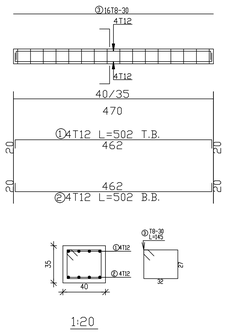

## Beam: G,B-G



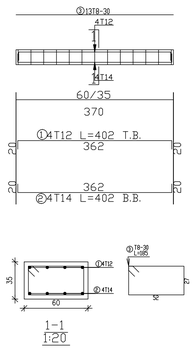

## Beam: G,B-H



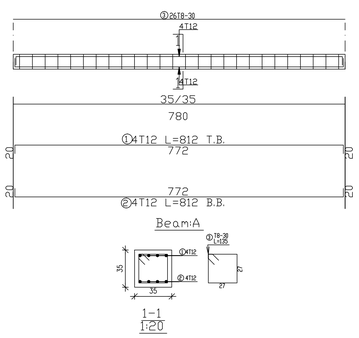

## Beam: G,B-J



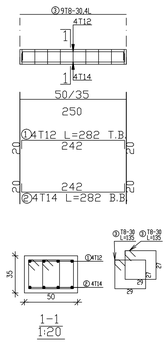

## Beam: G,B-K



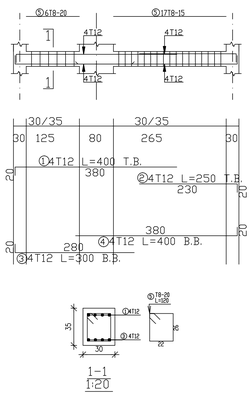

## Beam: F,B-A




## Beam: F,B-B




## Beam: F,B-C



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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S

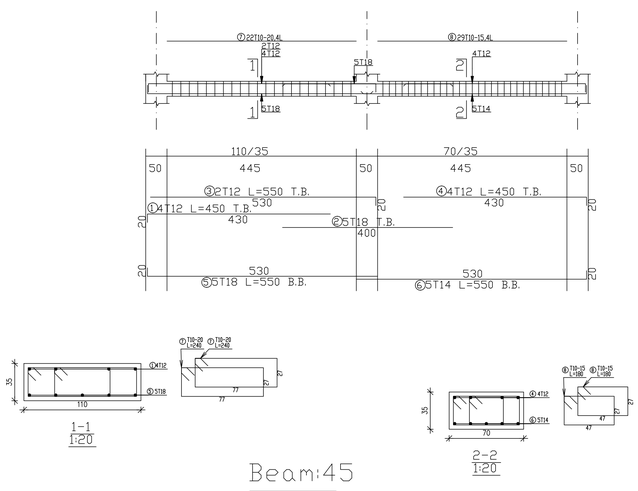
# Project: Hospital

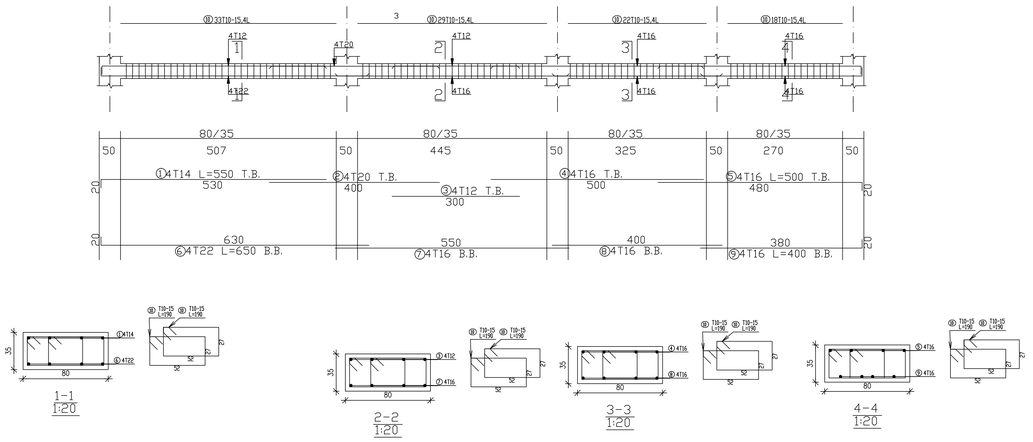
Supervisor:
ENG. Hamdi Ideas

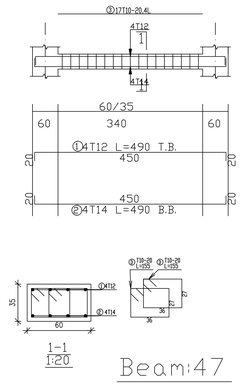
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

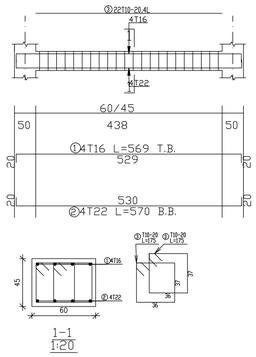
Drawing Title:
Detalis Of Beams (Second Floor)

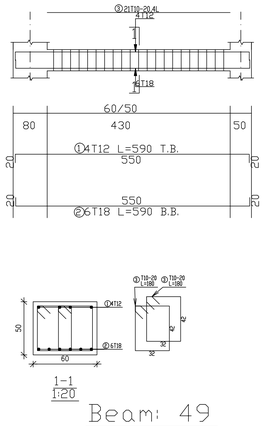
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:059 |

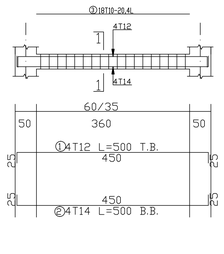


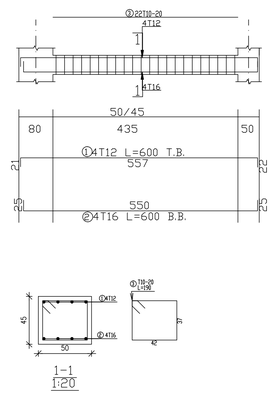



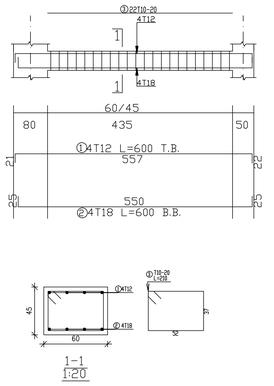



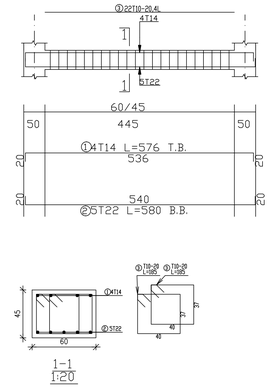



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

N
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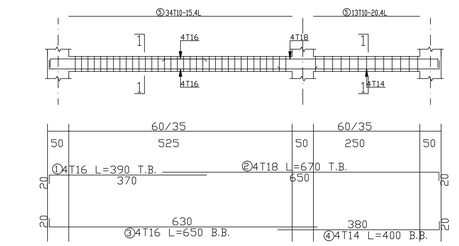
Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:060 |

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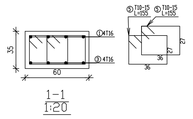


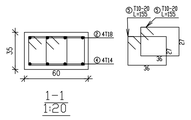


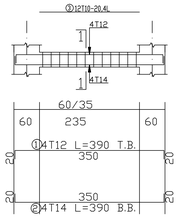


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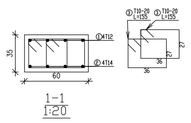


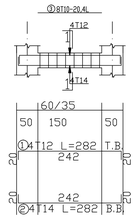


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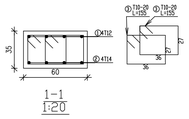


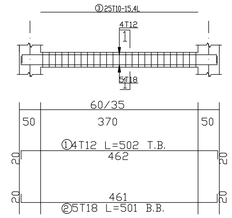


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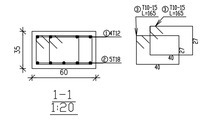


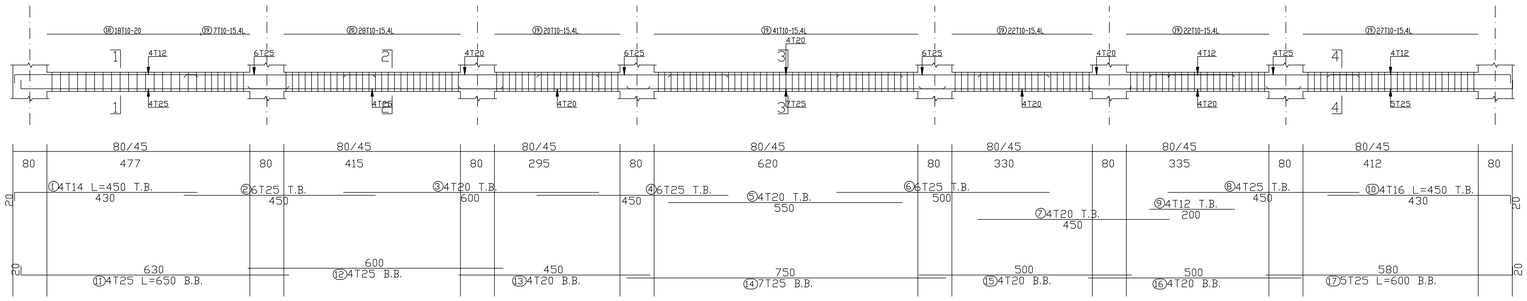


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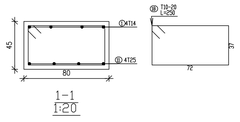


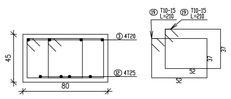


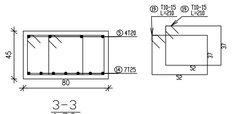


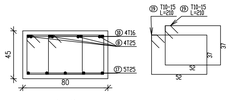


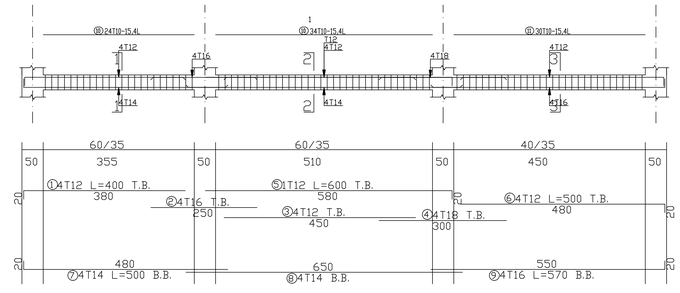


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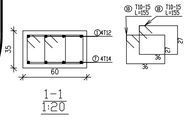


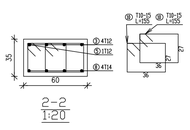


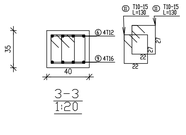


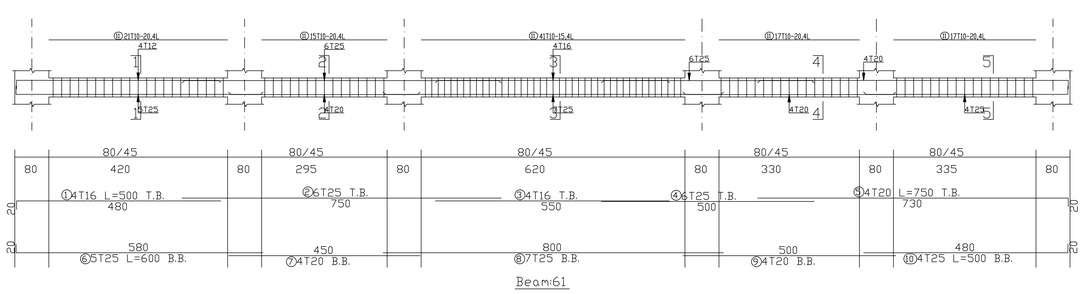


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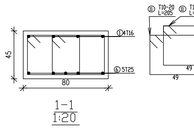


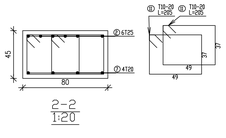


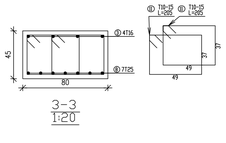


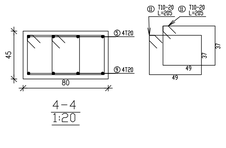


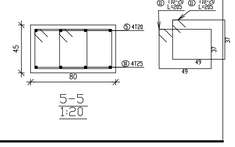

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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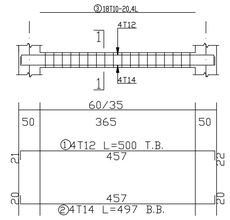
Project: Hospital

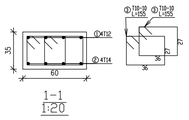
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:061 |

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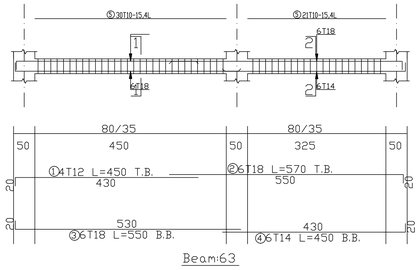
Beam:62

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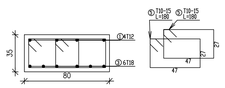
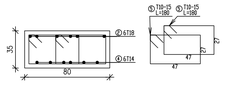
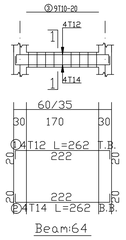



1-1
1:20




2-2
1:20

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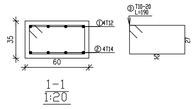


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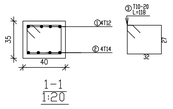
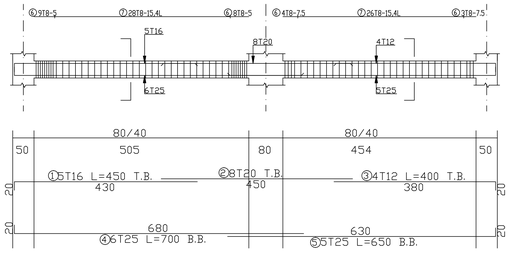
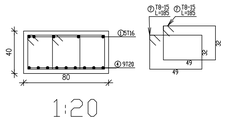



1-1
1:20

Execute Beam

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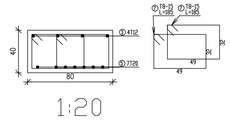


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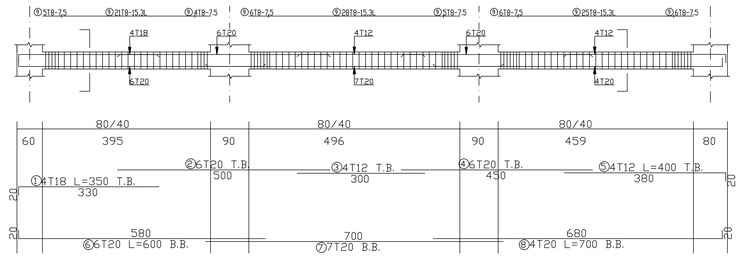
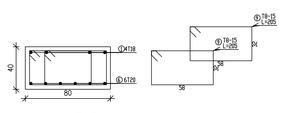
Beam: S191

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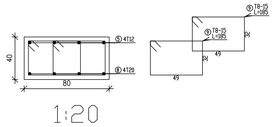


1:20

Beam: S193

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

N
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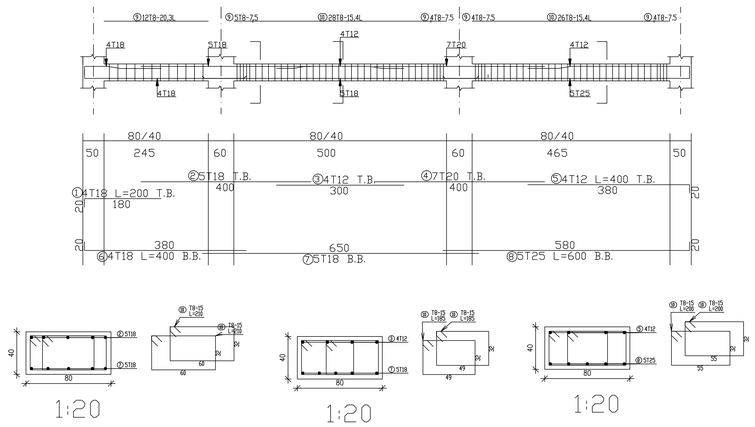
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

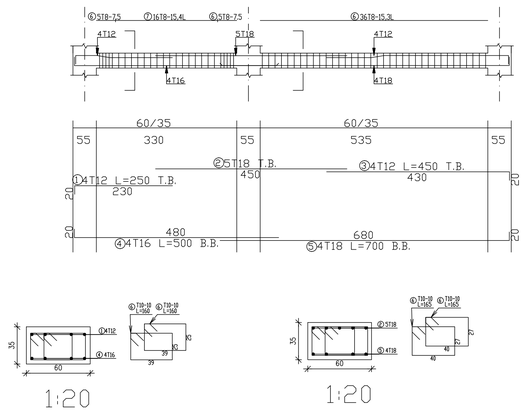
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Second Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:062 |




Beam: S1

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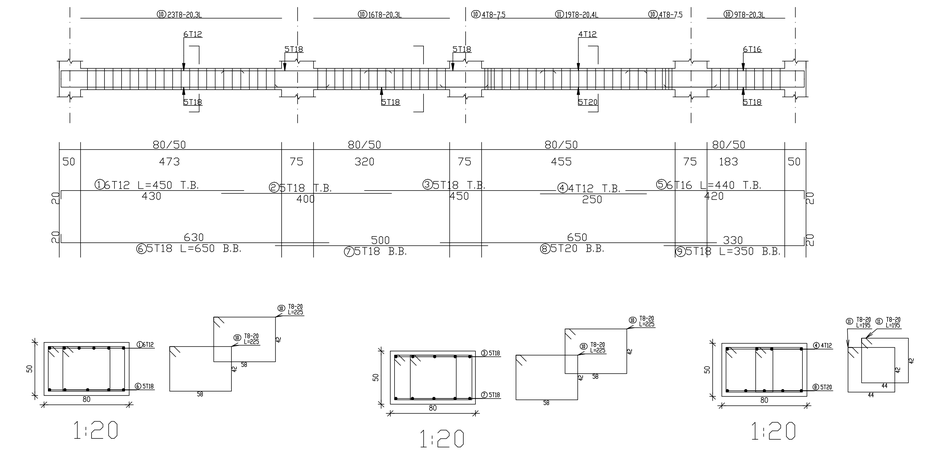
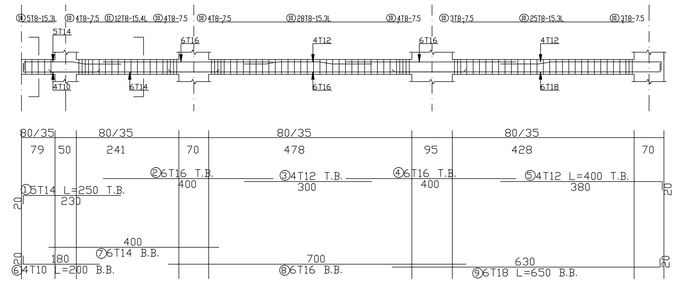



Beam: S,B-4

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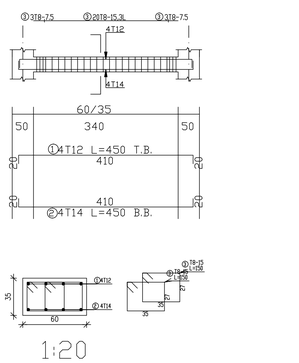
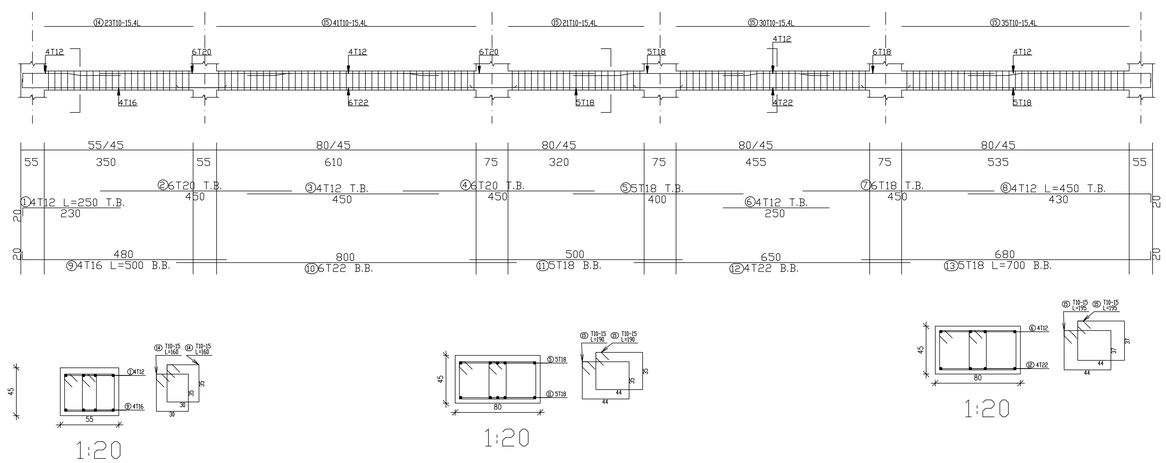



Beam: S,B-7




Beam: S,B-8

Palestine Polytechnic University
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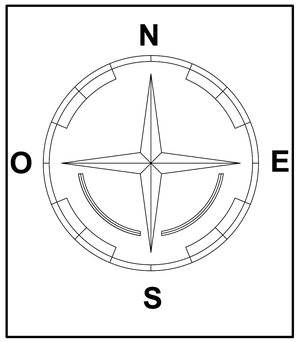
Civil & Architecture Department
Civil Engineering



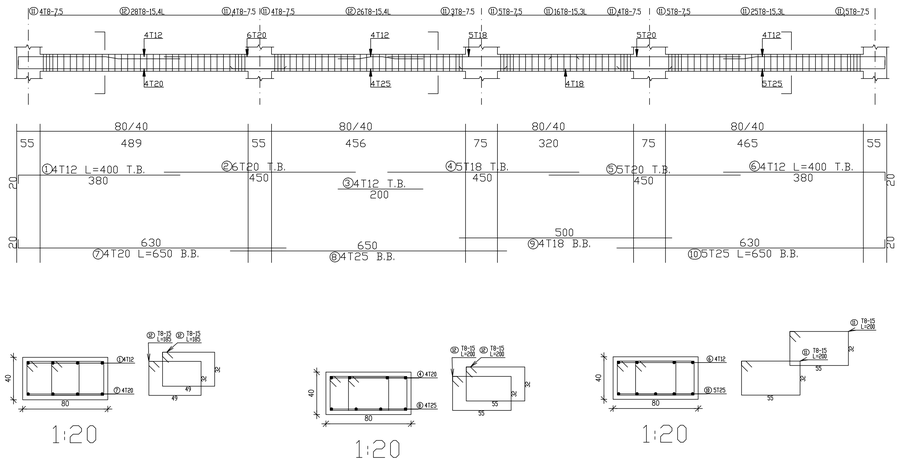

# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

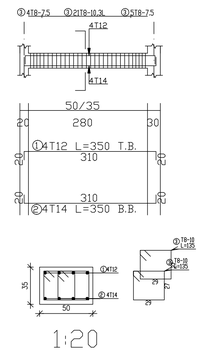
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Second Floor)

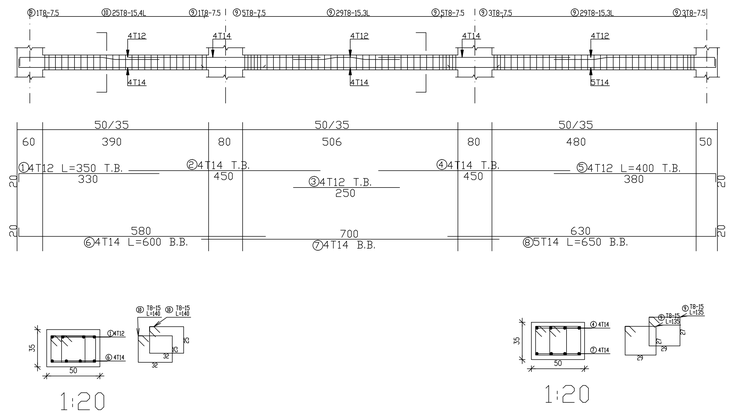
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:063 |



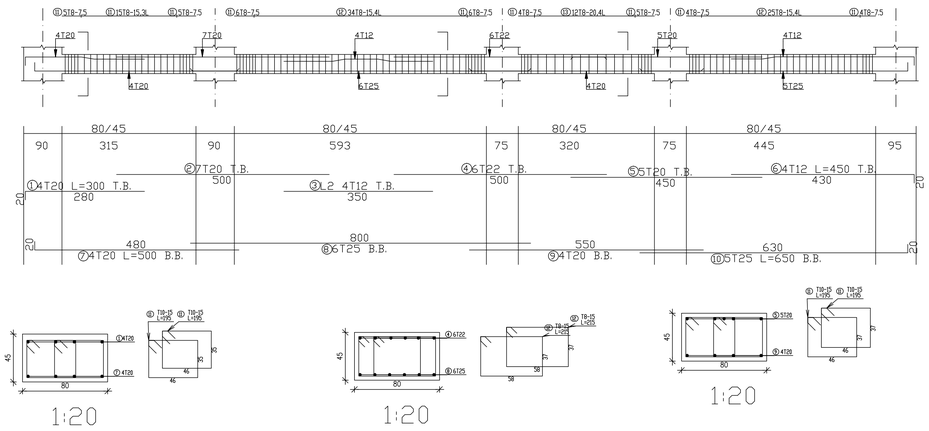

Beam: S10



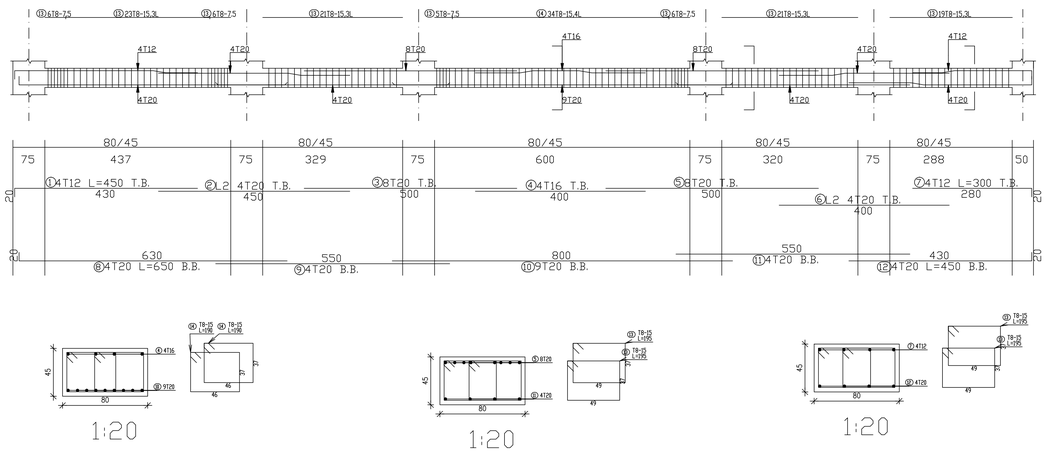

Beam: S11




Beam: S13




Beam: S14




Beam: S16

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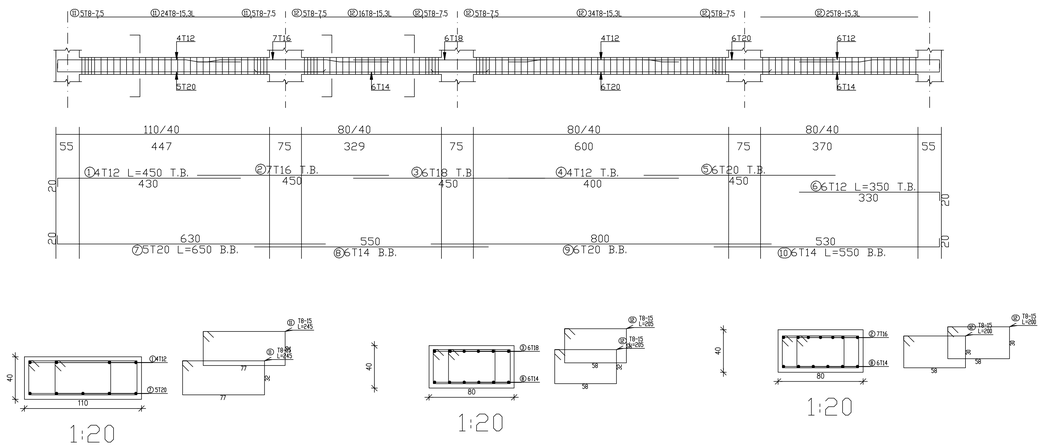
Project: Hospital

Supervisor:
ENG. Hamdi Ideas

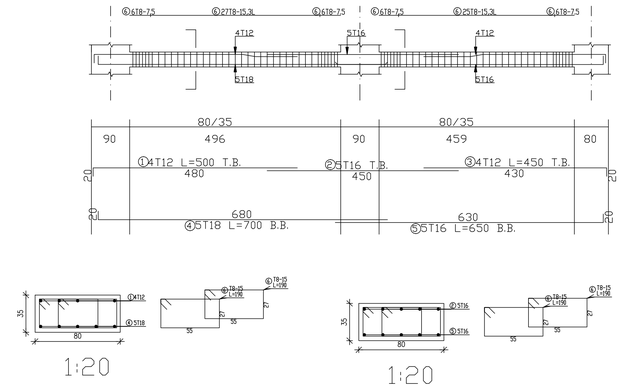
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Second Floor)

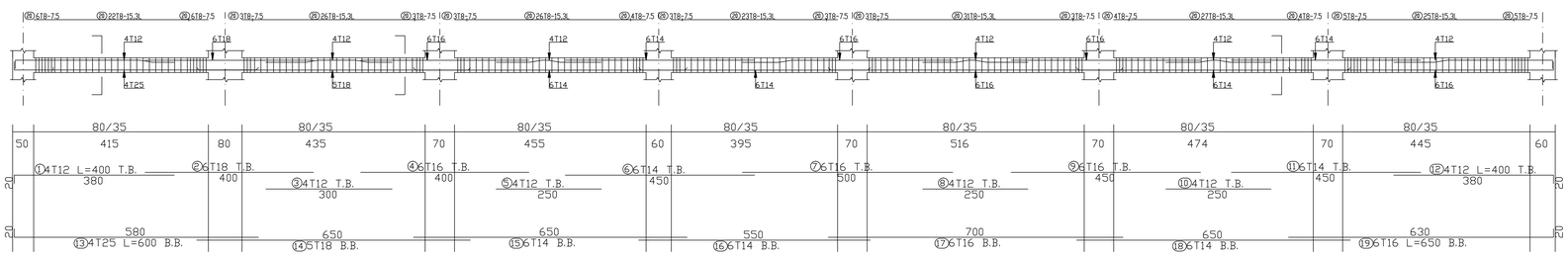
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:064 |




Beam: S17




Beam: S,B-18




Beam: S22

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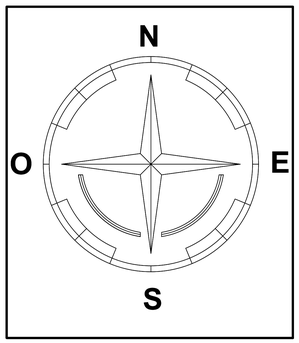



# Project: Hospital

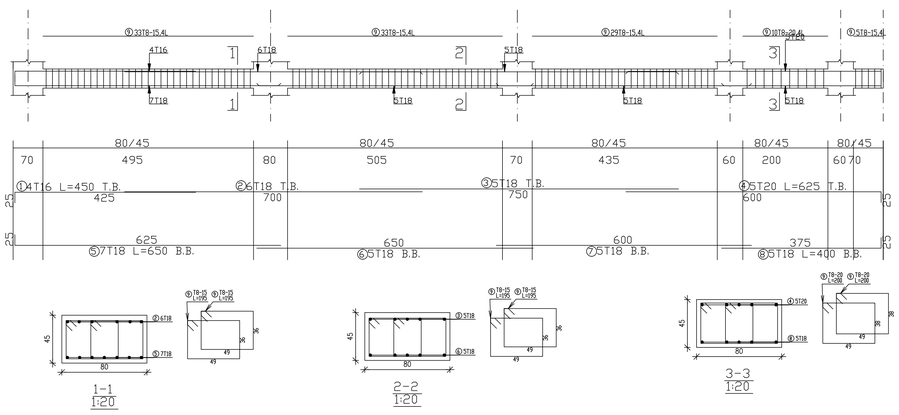
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

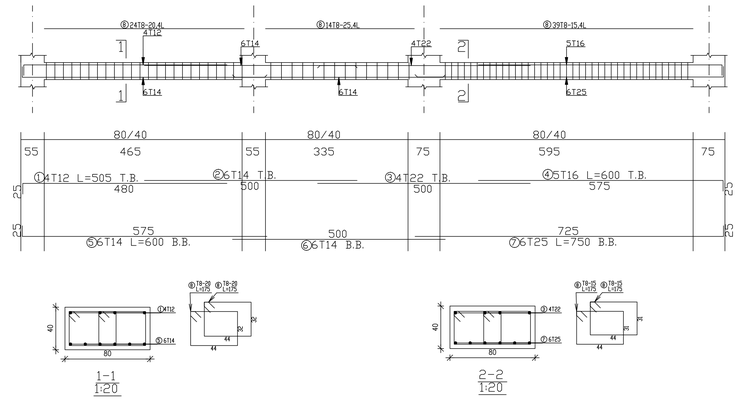
Drawing Title:
Detalis Of Beams (Third Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:065 |

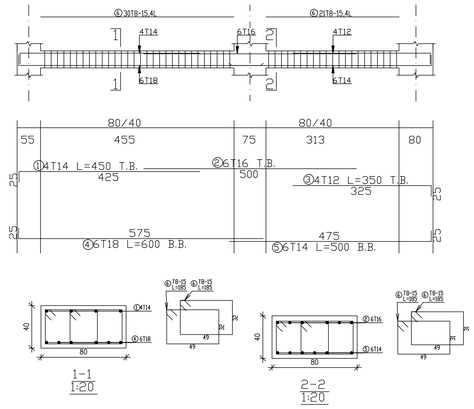
## Beam: T,B-24



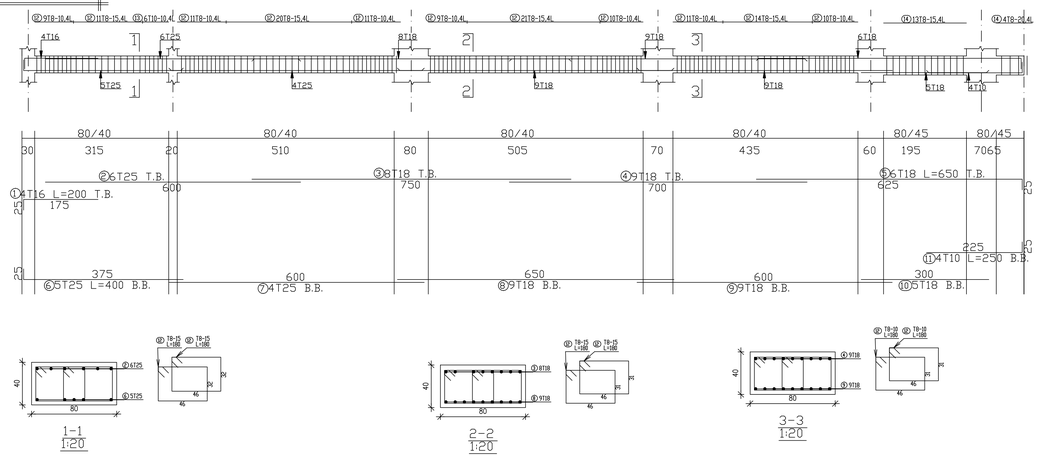

## Beam: T,B-25



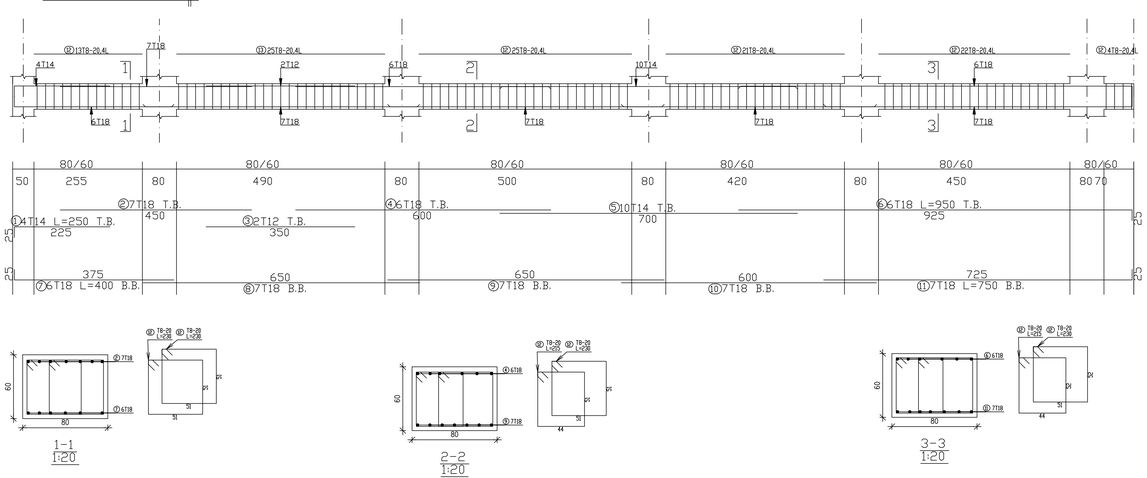

## Beam: T,B-26



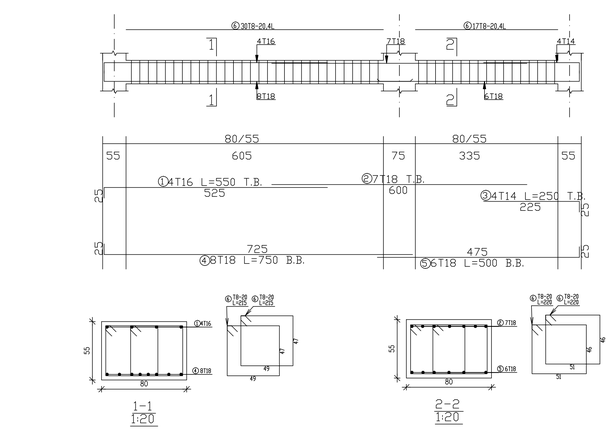

## Beam: T,B-27




## Beam: T,B-28




## Beam: T,B-29



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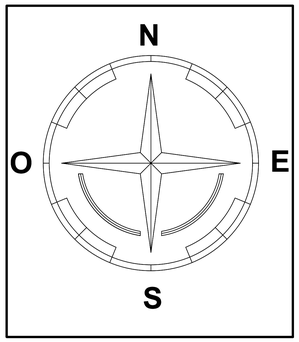



**Project: Hospital**

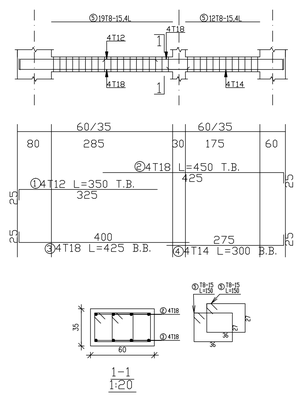
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

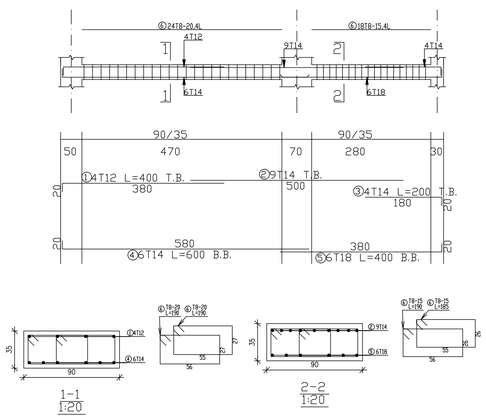
Drawing Title:
Detalis Of Beams (Third Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:066 |

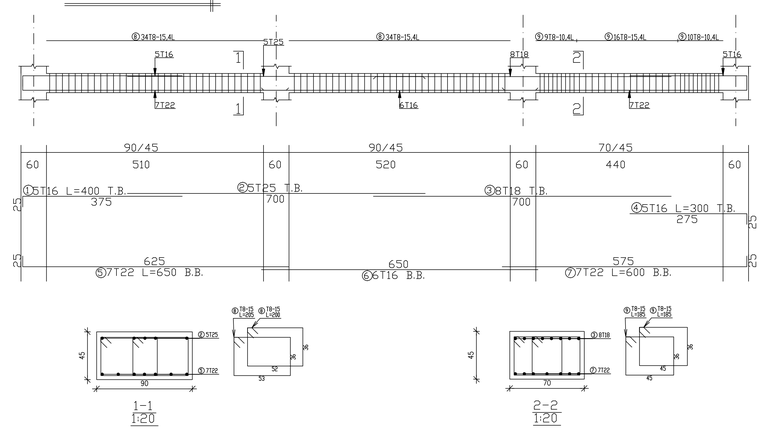
## Beam: T,B−30



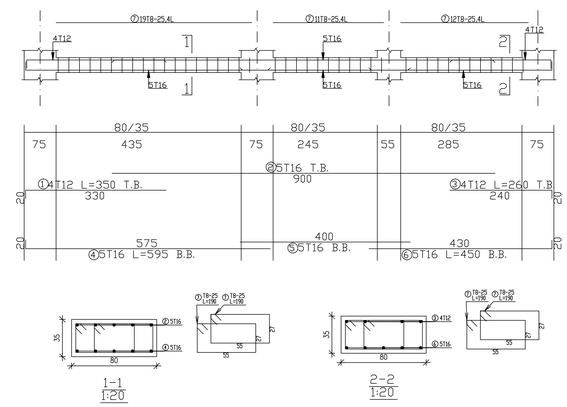

## Beam: T,B−31



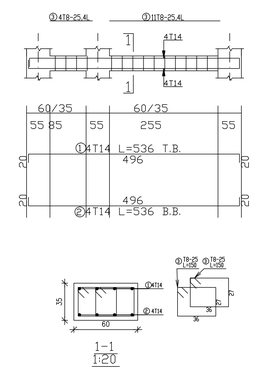

## Beam: T,B−32




## Beam: T,B−33




## Beam: T,B−34

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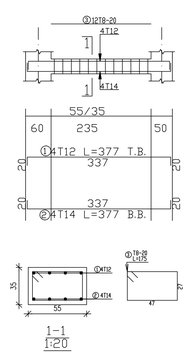
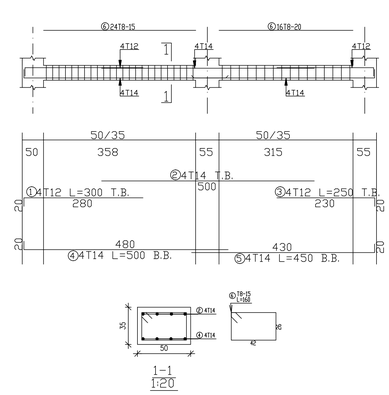
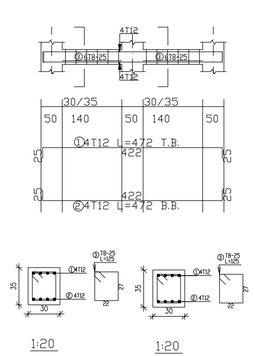


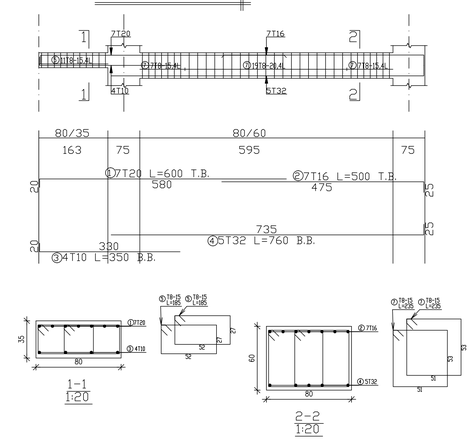

## Beam: T,B−36



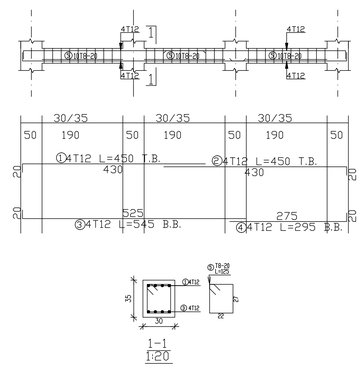

## Beam: T,B−37




## Beam: T,B−38




## Beam: T,B−39



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# Project: Hospital

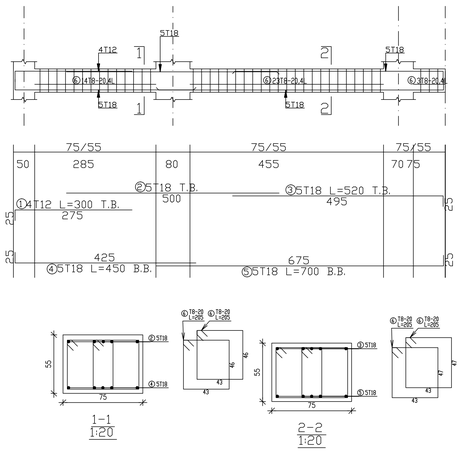
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

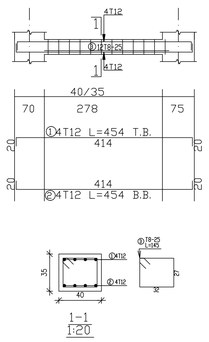
Drawing Title:
Detalis Of Beams (Third Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:067 |

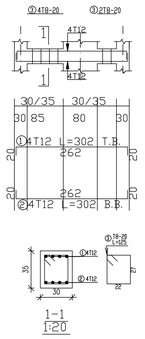
## Beam: T,B−40



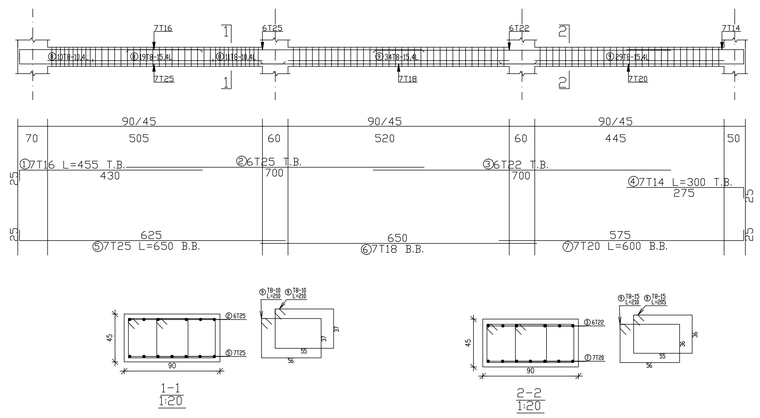

## Beam: T,B−41



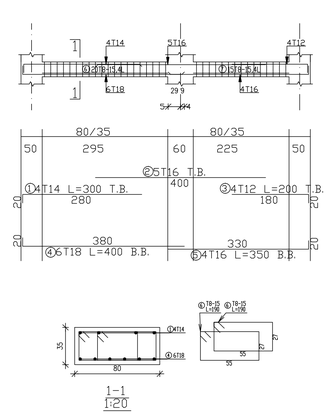

## Beam: T,B−A



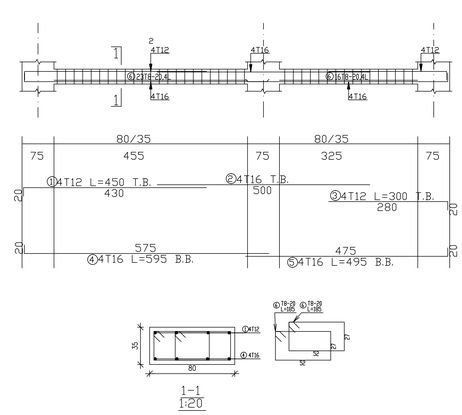

## Beam: T,B−42



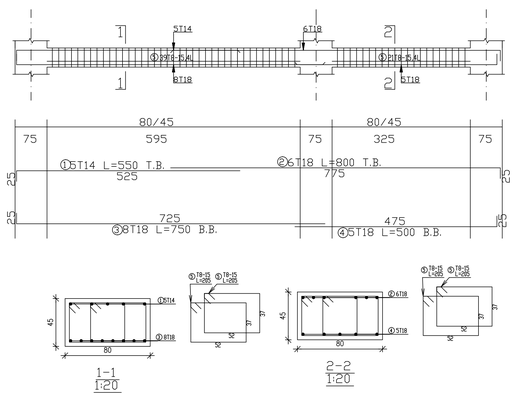

## Beam: T,B−43



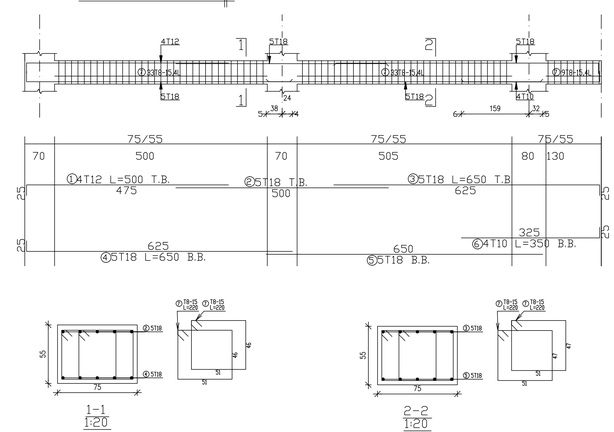

## Beam: T,B−B




## Beam: T,B−44




## Beam: T,B−67



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**Project: Hospital**

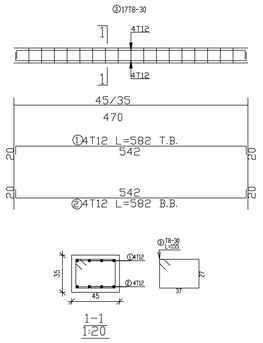
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

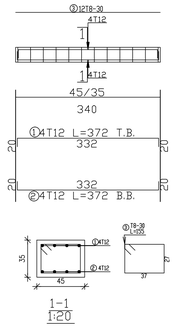
Drawing Title:
Detalis Of Beams (Third Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:068 |

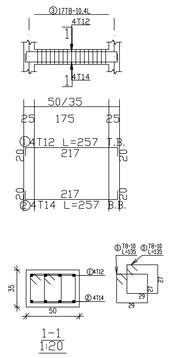
## Beam: G,B–A



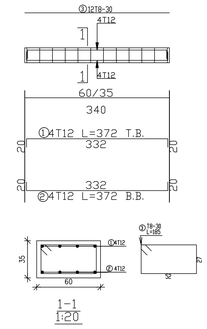

## Beam: G,B–C



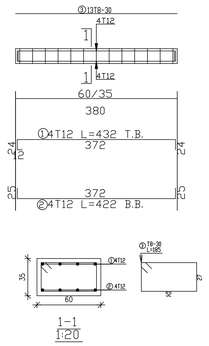

## Beam: G,B–D



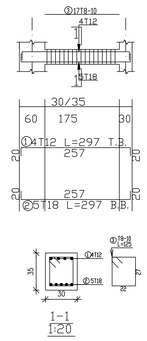

## Beam: G,B–E



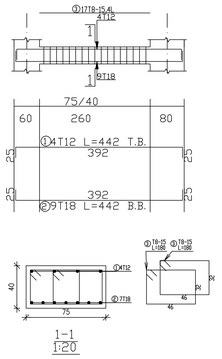

## Beam: G,B–F



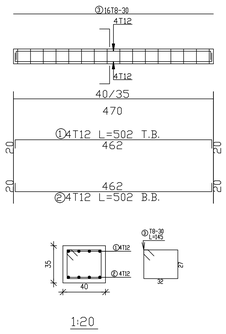

## Beam: G,B–G



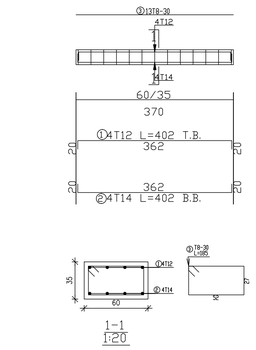

## Beam: G,B–H



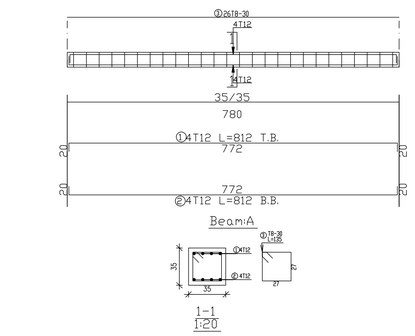

## Beam: G,B–J



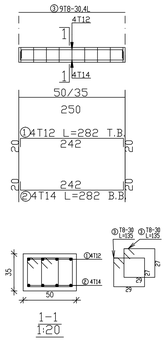

## Beam: G,B–K



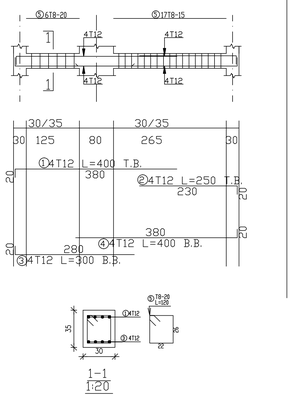

## Beam: F,B–A




## Beam: F,B–B




## Beam: F,B–C



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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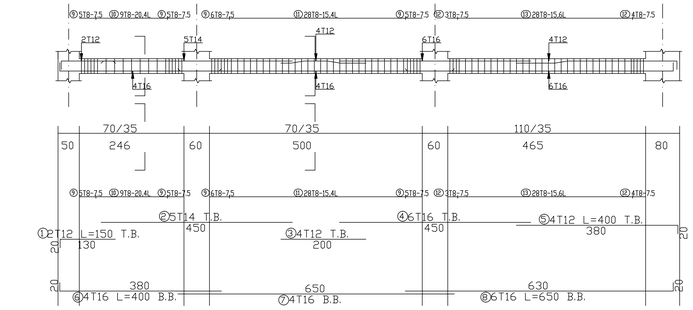
# Project: Hospital

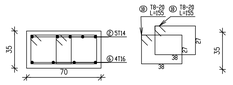
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

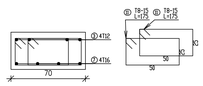
Drawing Title:
Detalis Of Beams (Third Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:069 |



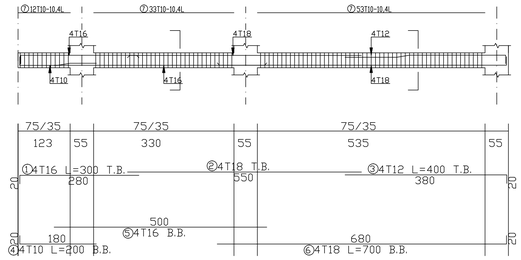



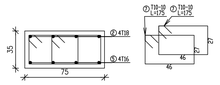

1:20




1:20

Beam: T,B-1

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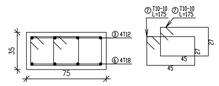


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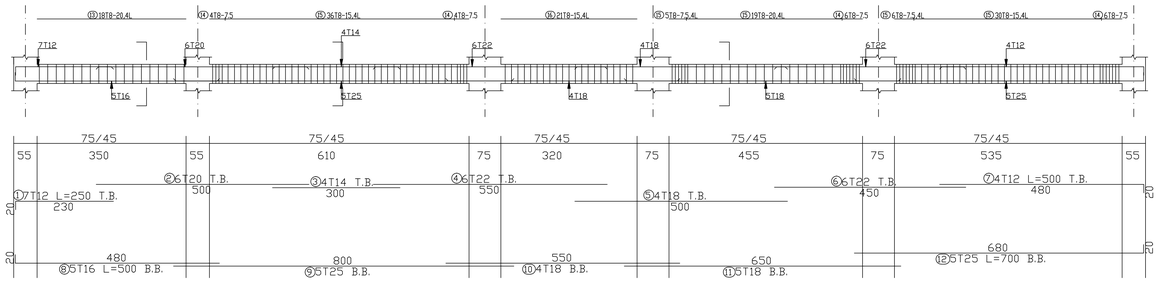
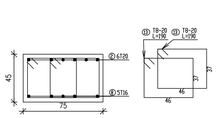
Beam: T,B-3

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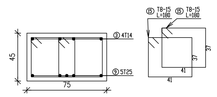


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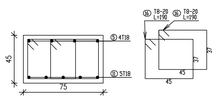


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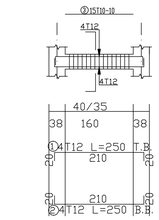
Beam: T,B-5

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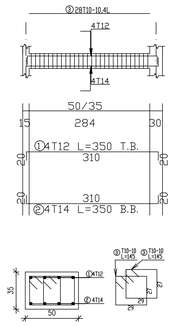
Beam: T,B-8

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Beam: T,B-9

Palestine Polytechnic University
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Civil & Architecture Department
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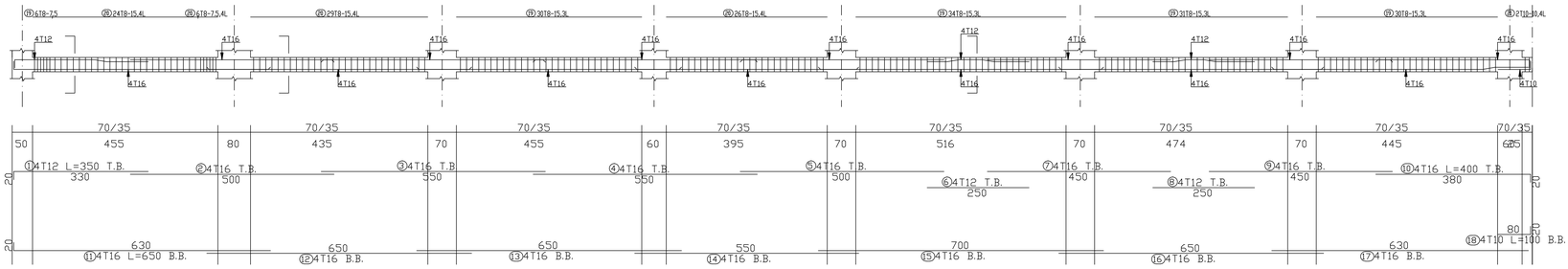
Project: Hospital

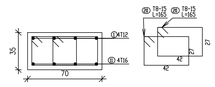
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Third Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:070 |



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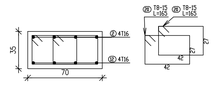

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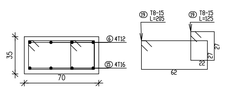

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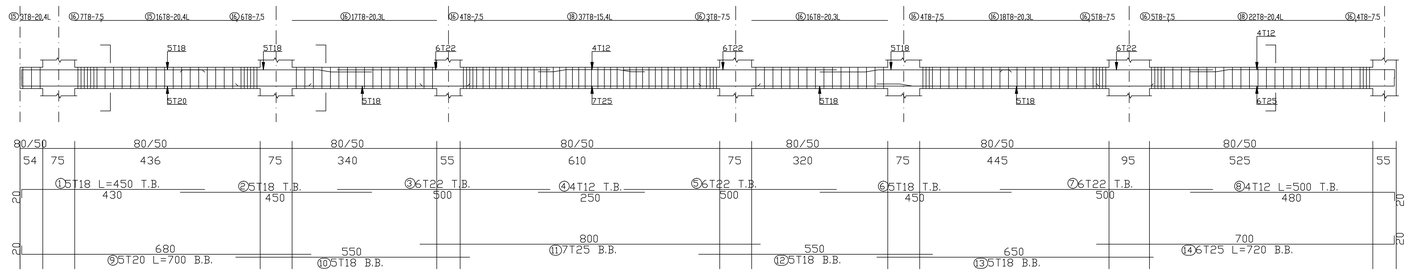
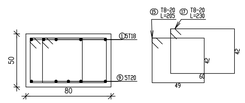
Beam: T,B-10



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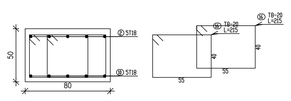

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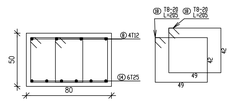

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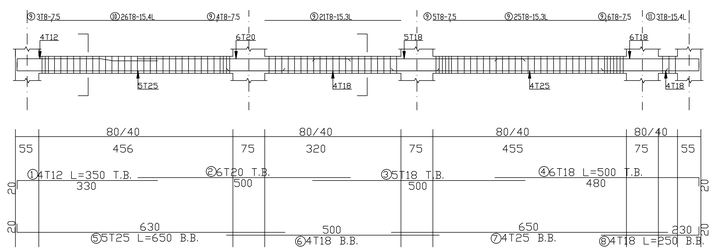
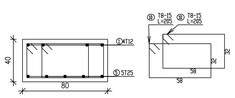
Beam: T,B-11



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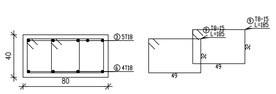

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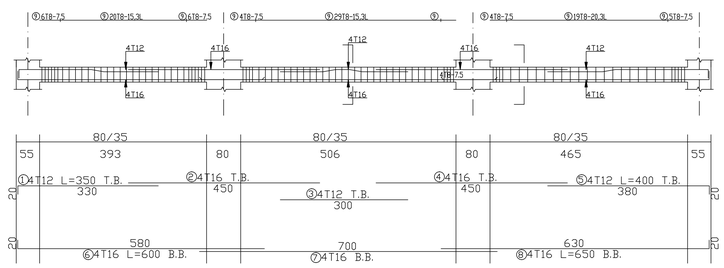
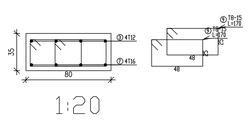
Beam: T,B-13



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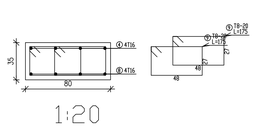

1:20

Beam: T,B-14

Palestine Polytechnic University
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Civil & Architecture Department
Civil Engineering

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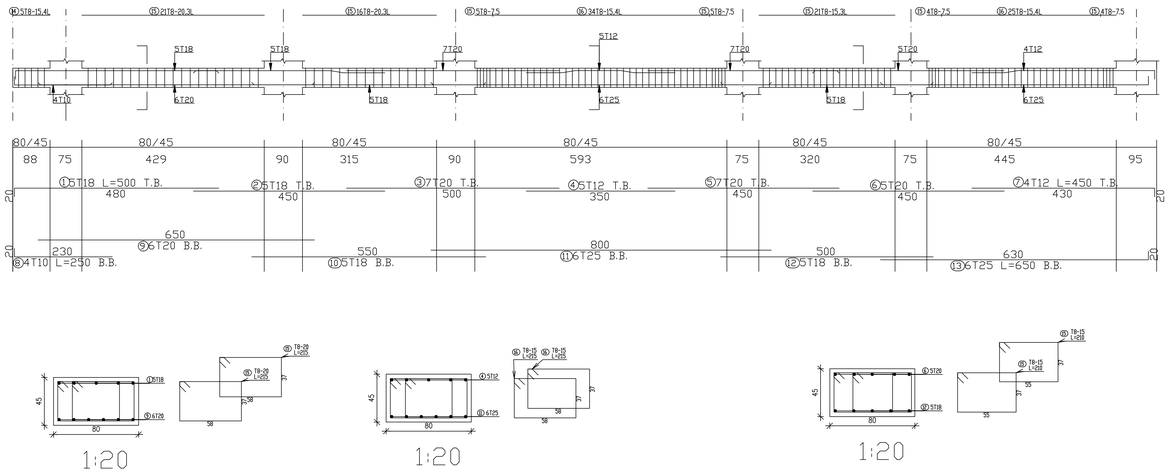
Project: Hospital

Supervisor:
ENG. Hamdi Ideas

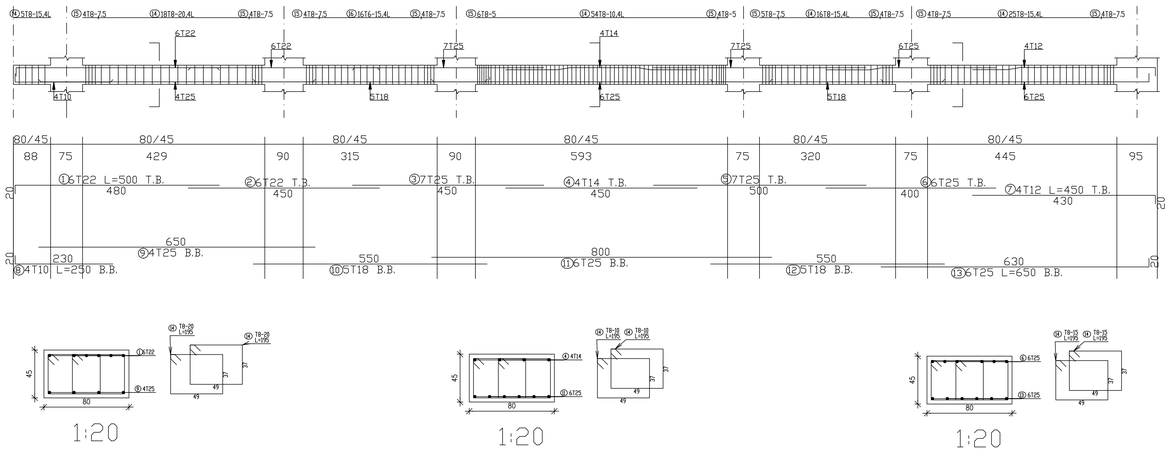
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Third Floor)

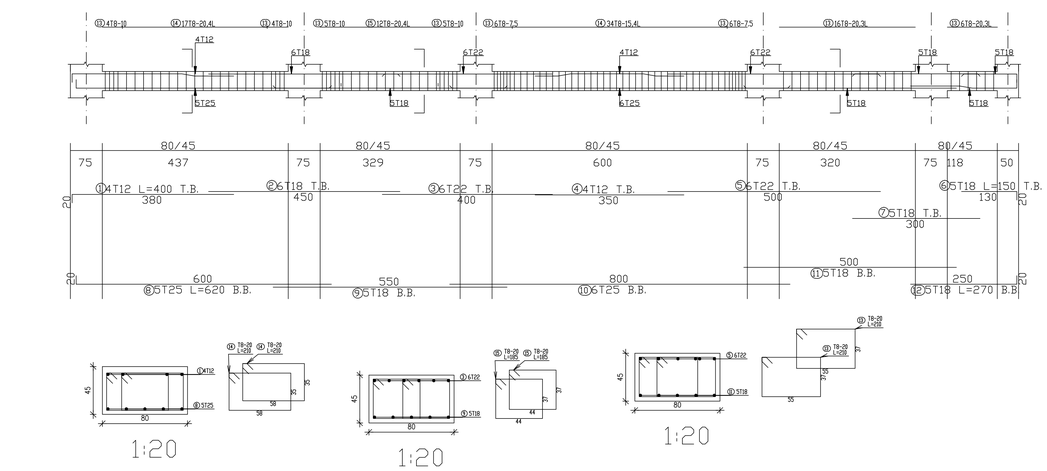
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:071 |




Beam: T,B-15




Beam: T,B-17




Beam: T,B-18

Palestine Polytechnic University
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Civil & Architecture Department
Civil Engineering

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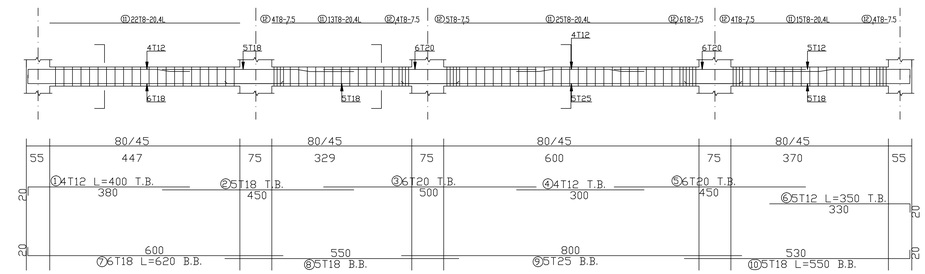
# Project: Hospital

Supervisor:
ENG. Hamdi Ideas

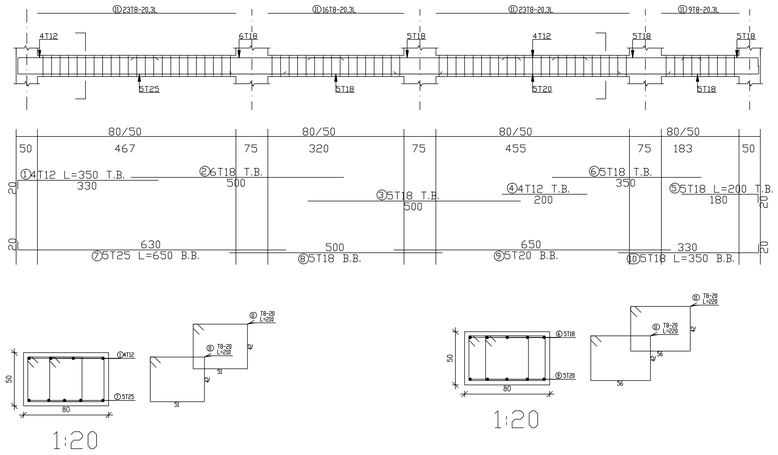
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detalis Of Beams (Third Floor)

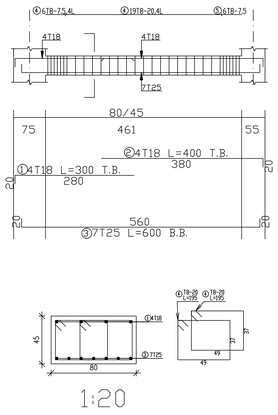
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:072 |



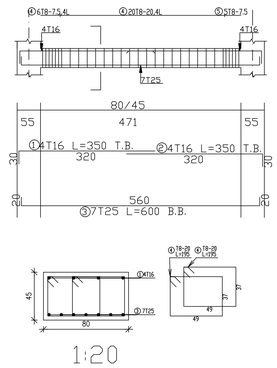

Beam: T,B-19




Beam: T,B-121




Beam: T,B-123




Beam: T,B-131

Palestine Polytechnic University
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Project: Hospital

Supervisor:
ENG. Hamdi Ideas

Done By:
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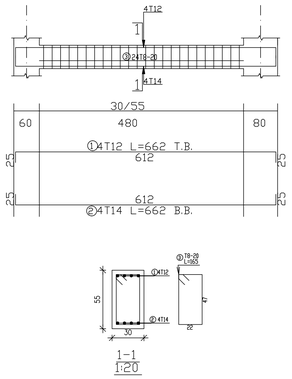
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

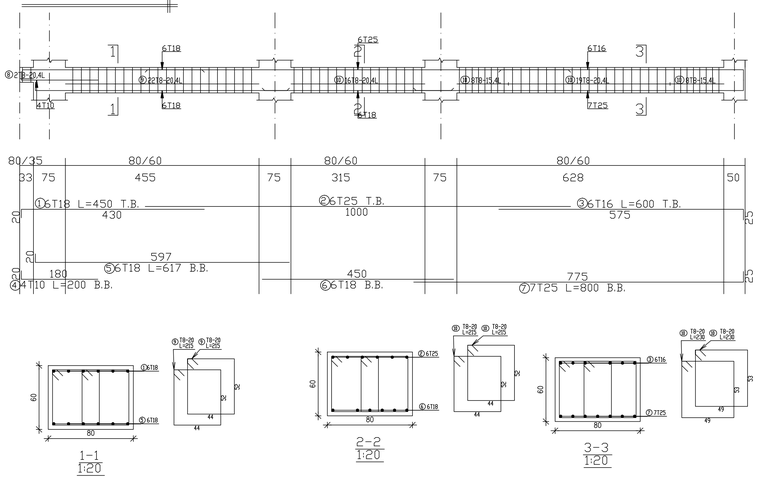
Drawing Title:
Detalis Of Beams (FOURTH Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:073 |

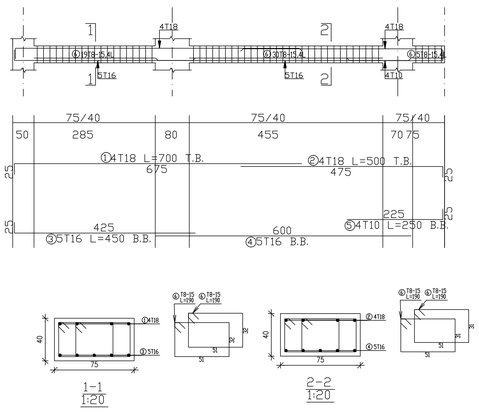
## Beam: F4,B-24



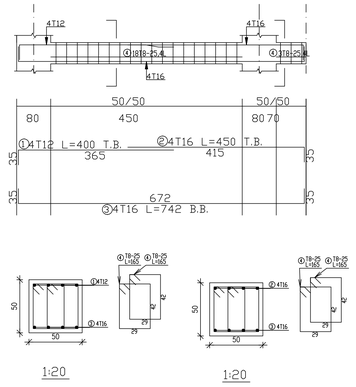

## Beam: F4,B-25



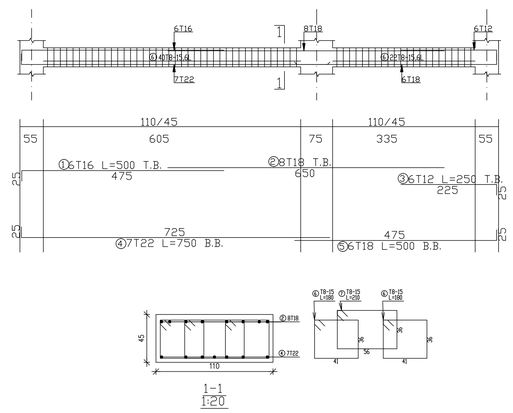

## Beam: F4,B-26



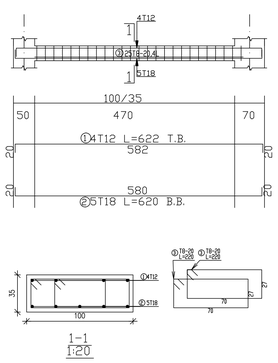

## Beam: F4,B-27



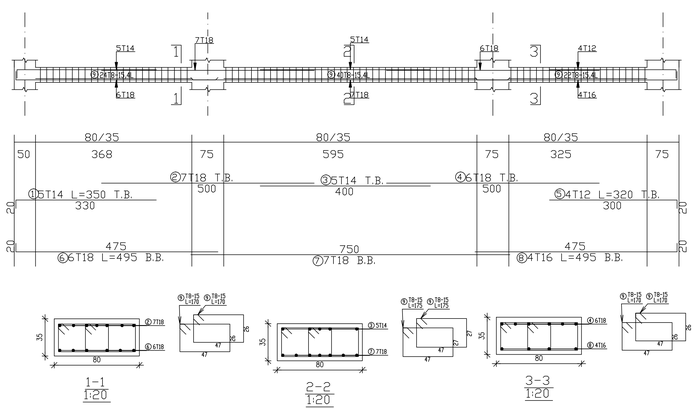

## Beam: F4,B-28



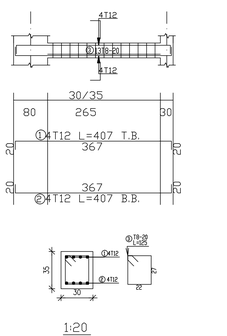

## Beam: F4,B-29



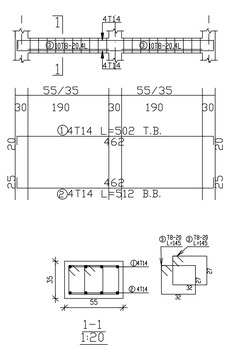

## Beam: F4,B-30




## Beam: F4,B-31




## Beam: F4,B-32



Palestine Polytechnic University
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Civil Engineering

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**Project: Hospital**

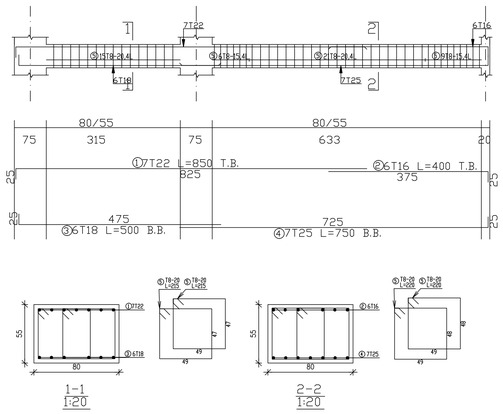
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

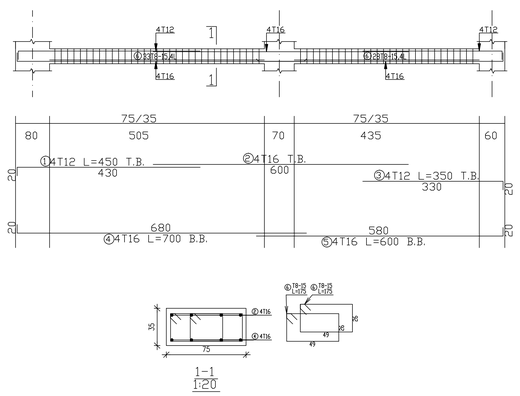
Drawing Title:
Detalis Of Beams (FOURTH Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:074 |

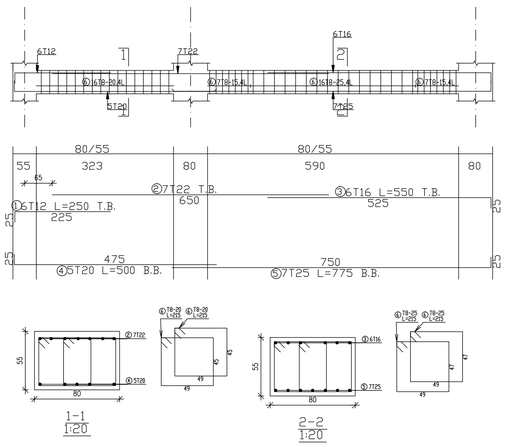
## Beam: F4,B-33



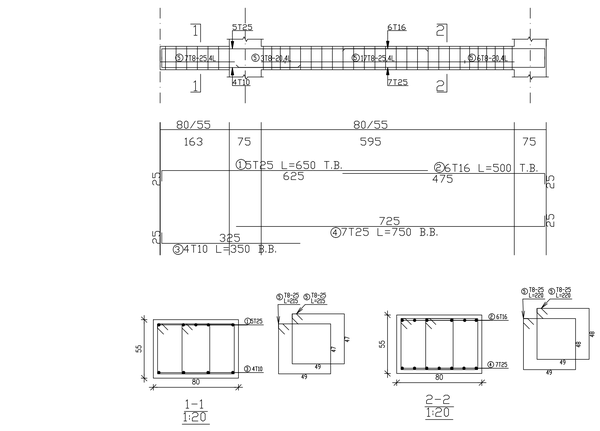

## Beam: F4,B-34



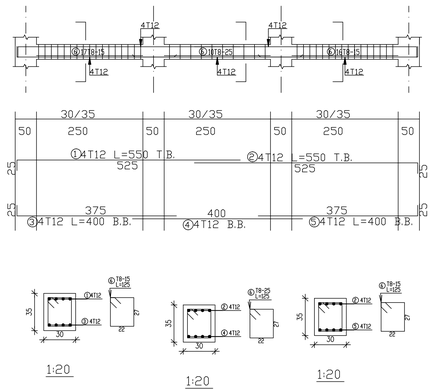

## Beam: F4,B-35



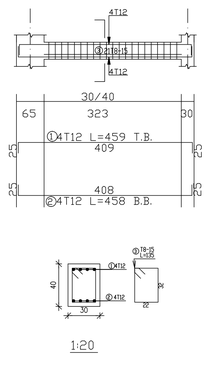

## Beam: F4,B-36



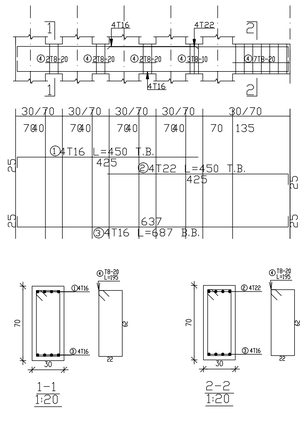

## Beam: F4,B-37




## Beam: F4,B-38




## Beam: F4,B-39



Palestine Polytechnic University
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**Project: Hospital**

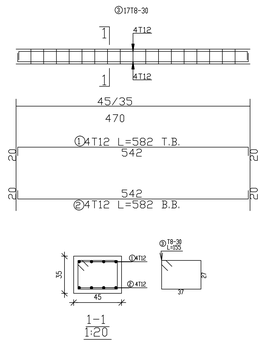
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

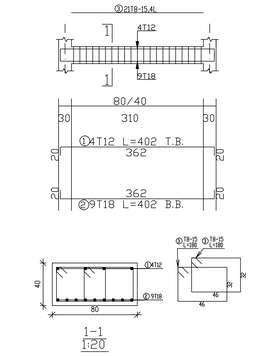
Drawing Title:
Detalis Of Beams (FOURTH Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:075 |

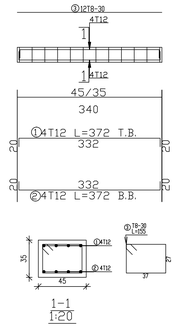
## Beam: G,B-A



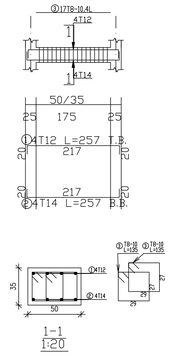

## Beam: G,B-B



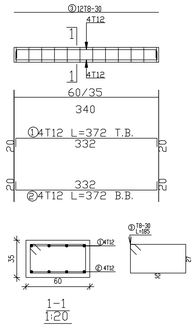

## Beam: G,B-C



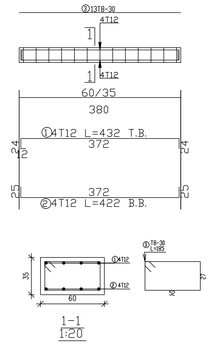

## Beam: G,B-D



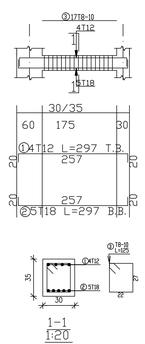

## Beam: G,B-E



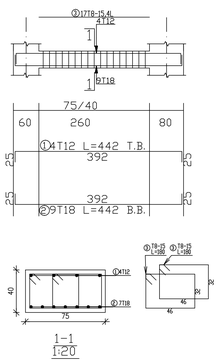

## Beam: G,B-F



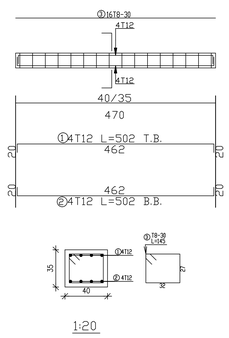

## Beam: G,B-G



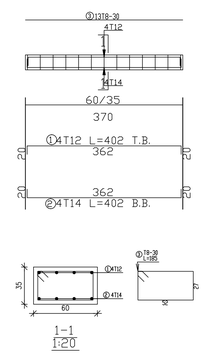

## Beam: G,B-H




## Beam: G,B-J




## Beam: G,B-K



Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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# Project: Hospital

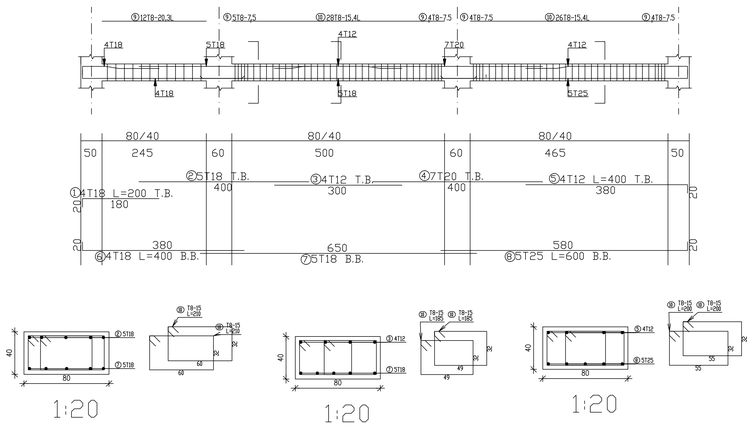
Supervisor: D.Belal Almassri


Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

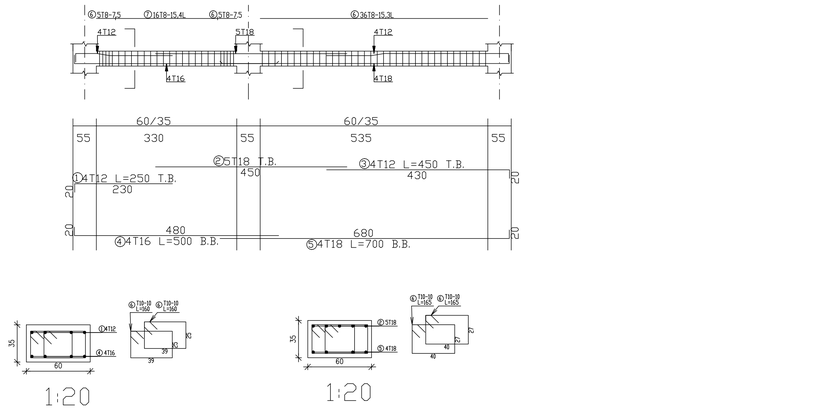

Drawing Title:

Detalis Of Beams (FOURTH Floor)

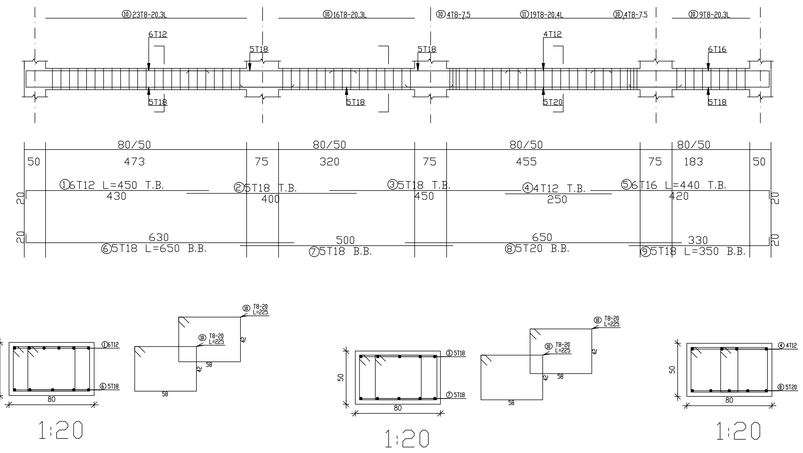
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:076 |



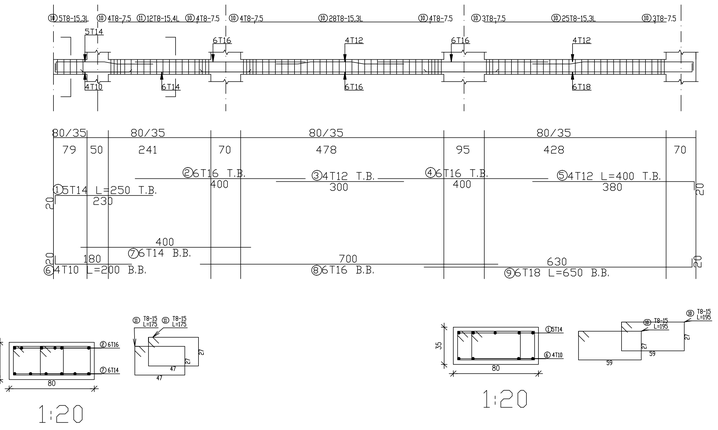

Beam: S1



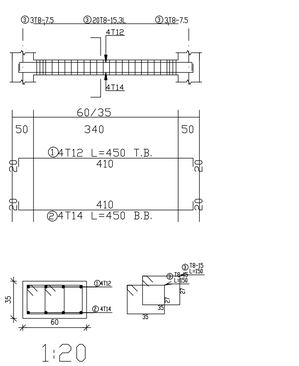

Beam: S3



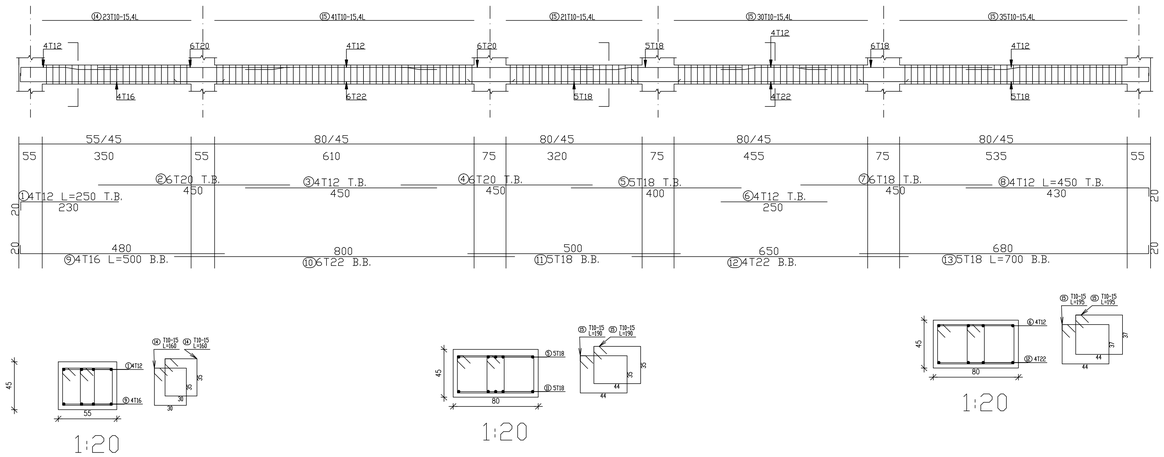

Beam: S,B-4




Beam: S5




Beam: S,B-7




Beam: S,B-8

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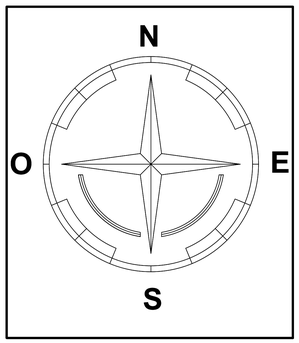
Civil & Architecture Department
Civil Engineering




# Project: Hospital

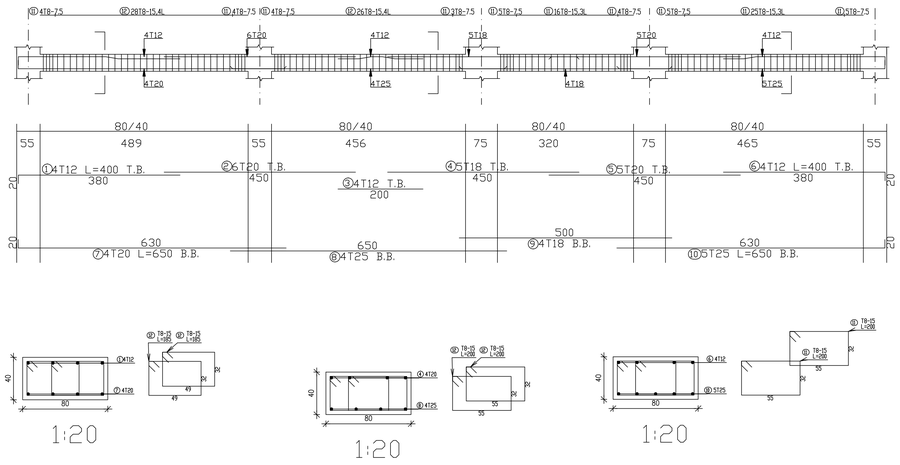
Supervisor: D.Belal Almassri

Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

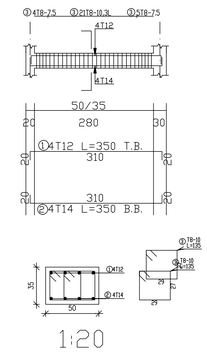
Drawing Title:

Detalis Of Beams (FOURTH Floor)

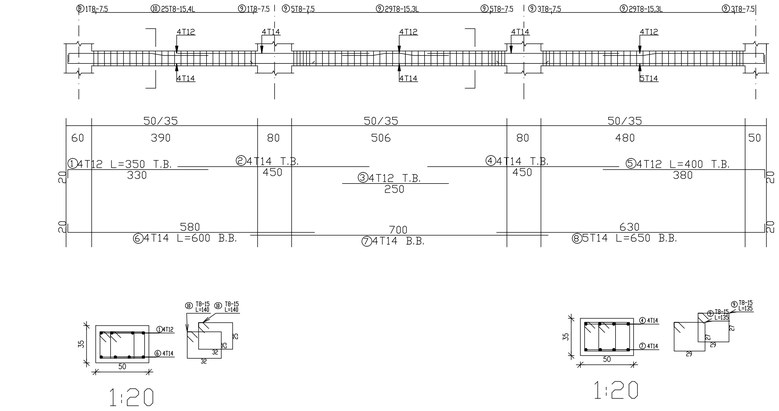
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:077 |



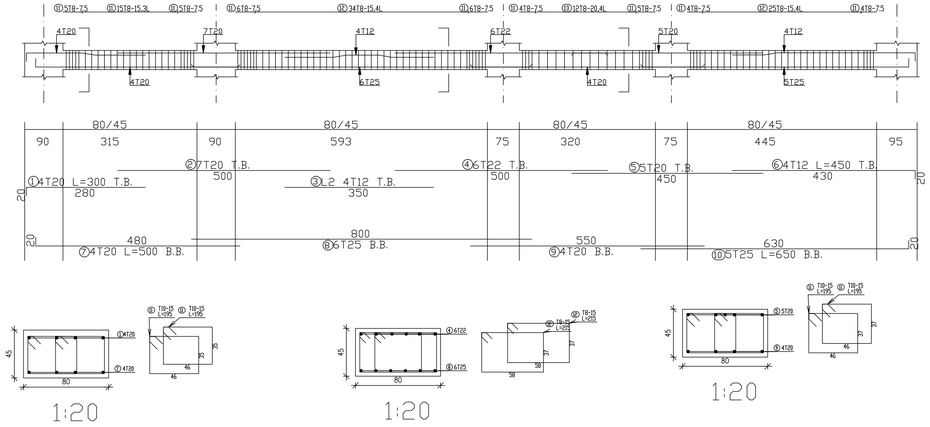

Beam: S10



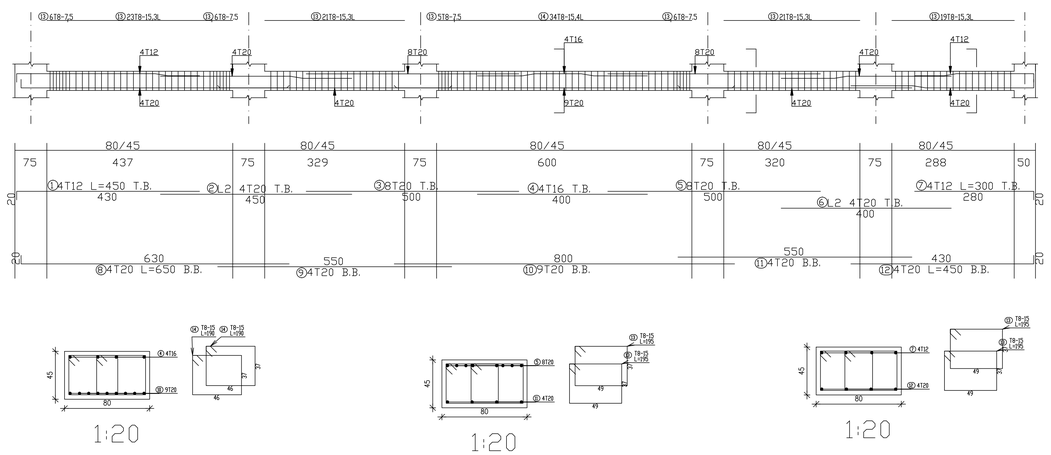

Beam: S11




Beam: S13




Beam: S14




Beam: S16

Palestine Polytechnic University
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Project: Hospital

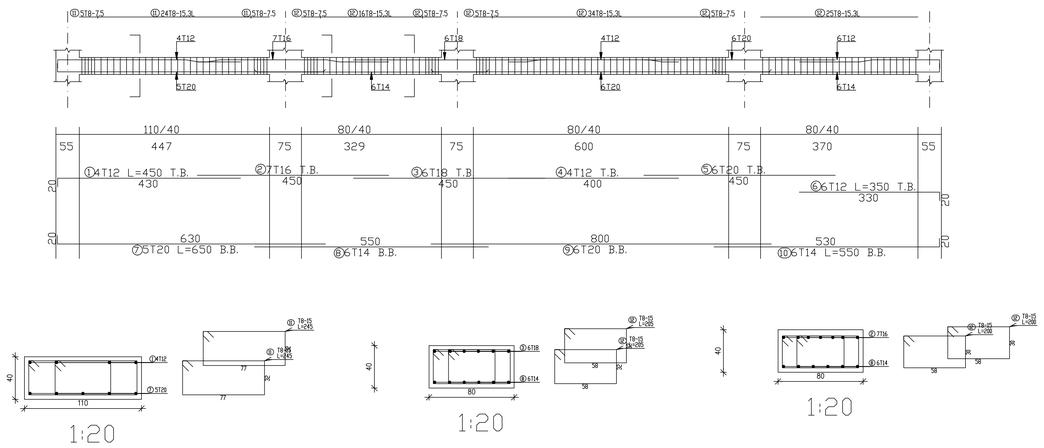
Supervisor: D.Belal Almassri

Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

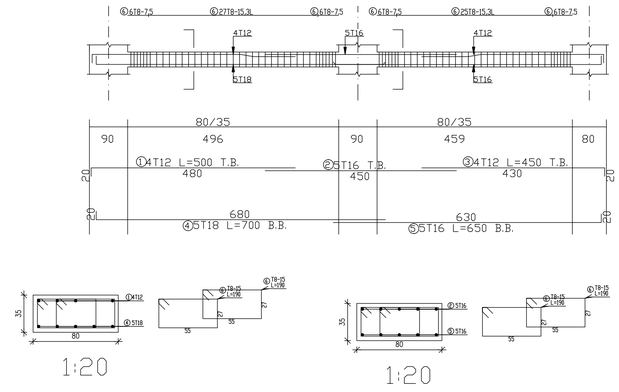
Drawing Title:

Detalis Of Beams (FOURTH Floor)

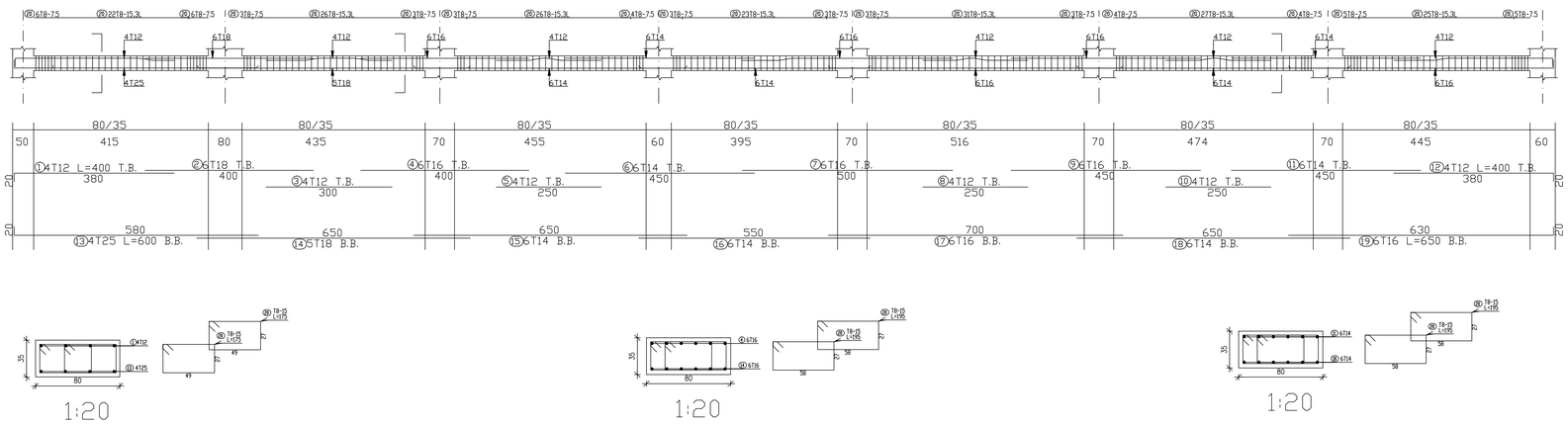
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:078 |




Beam: S17




Beam: S,B-18




Beam: S22

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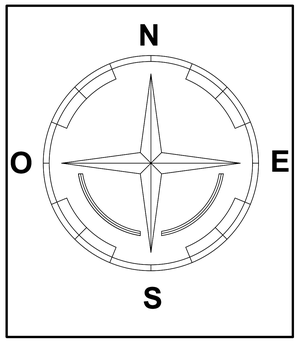


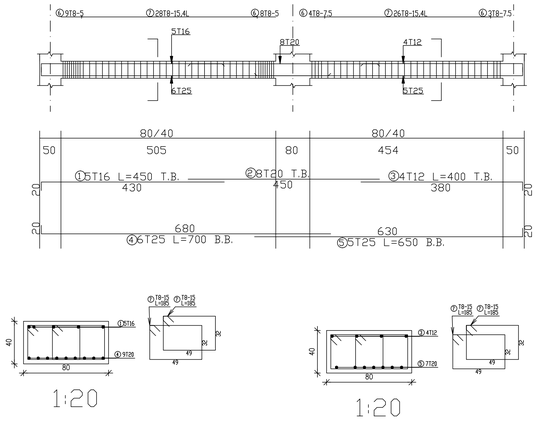

Project: Hospital

Supervisor: D.Belal Almassri

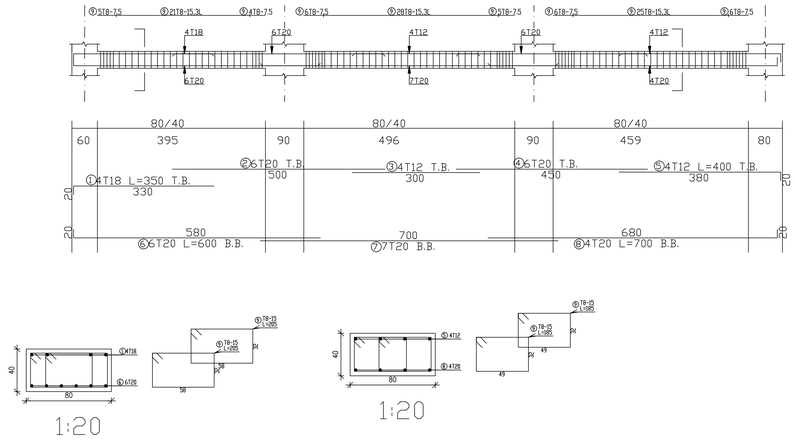
Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

Drawing Title:
Detalis Of Beams (FOURTH Floor)

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:079 |




Beam: S191




Beam: S193

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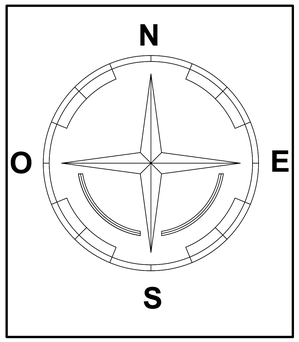



Project: Hospital

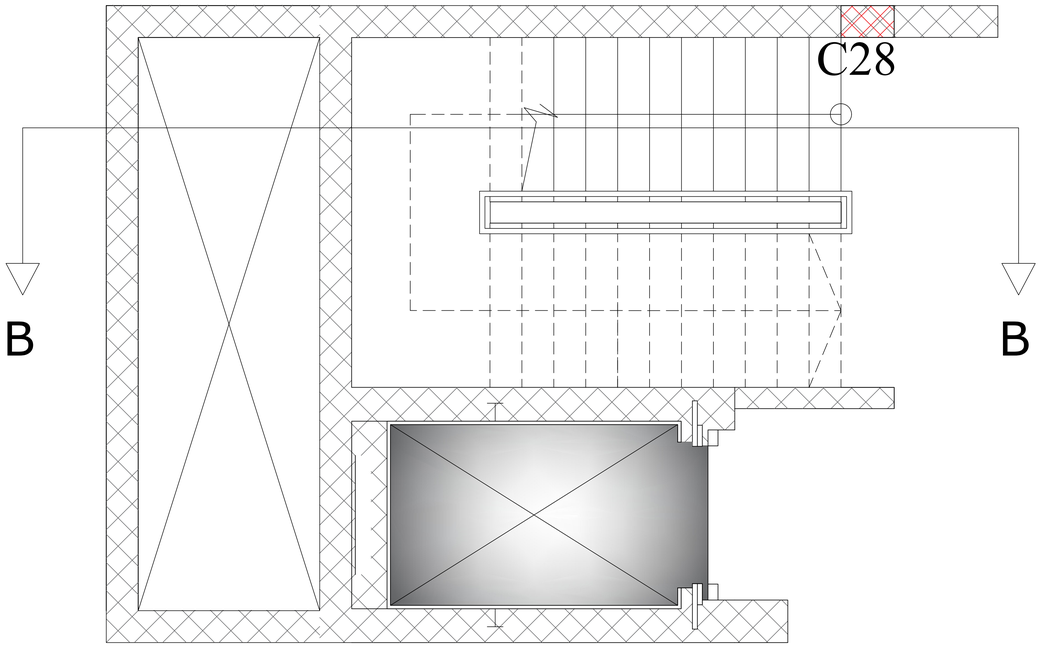
Supervisor: D.Belal Almassri

Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

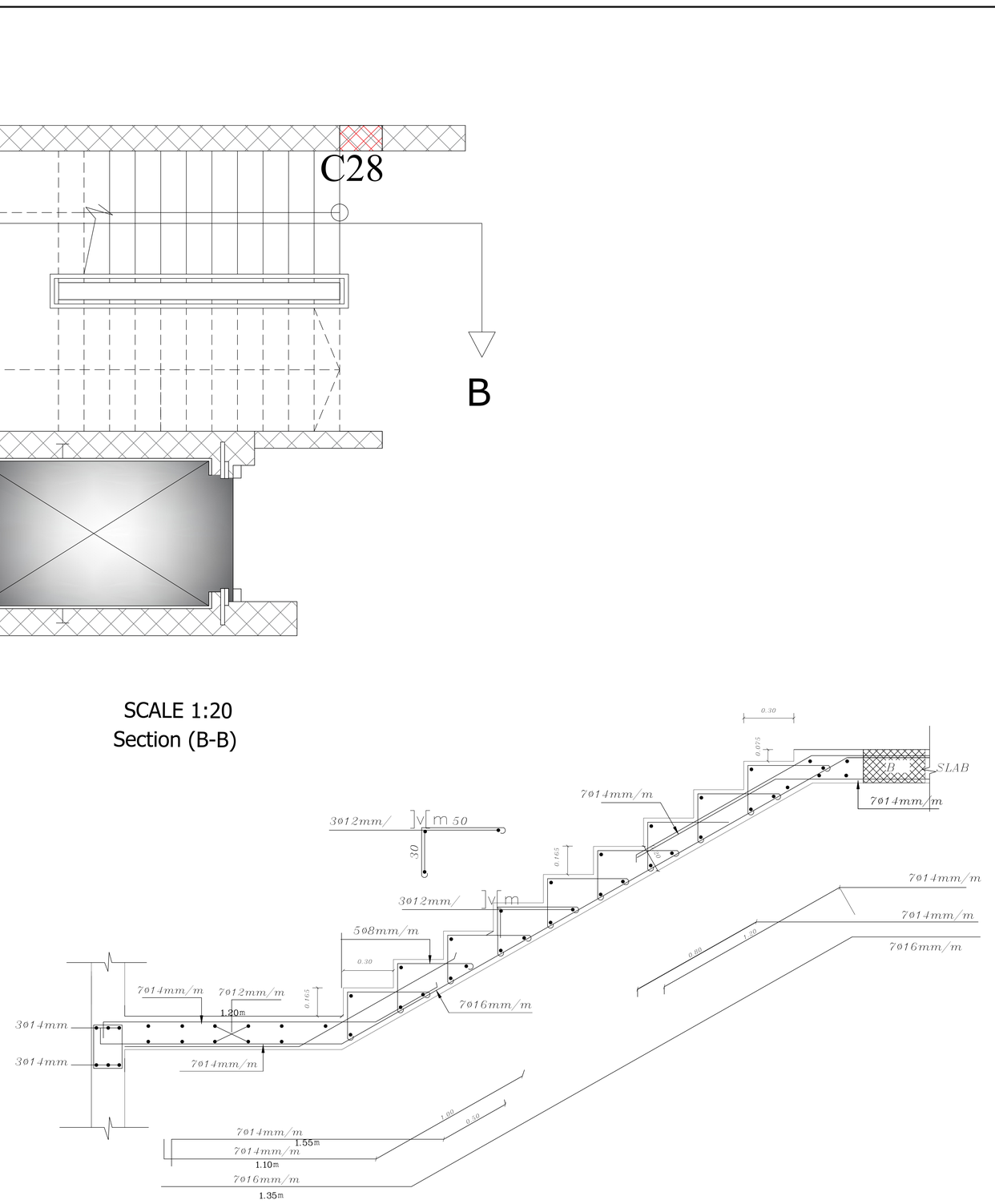
Drawing Title:

Stairs

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:080 |




SCALE 1:20
Section (B-B)




SCALE 1:20
Section (B-B)

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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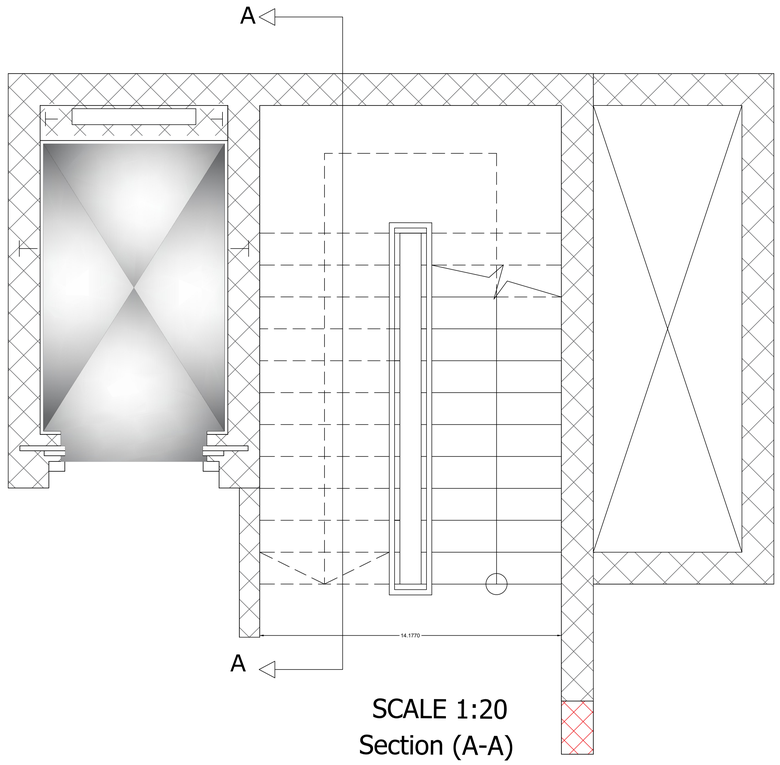
Project: Hospital

Supervisor: D.Belal Almassri

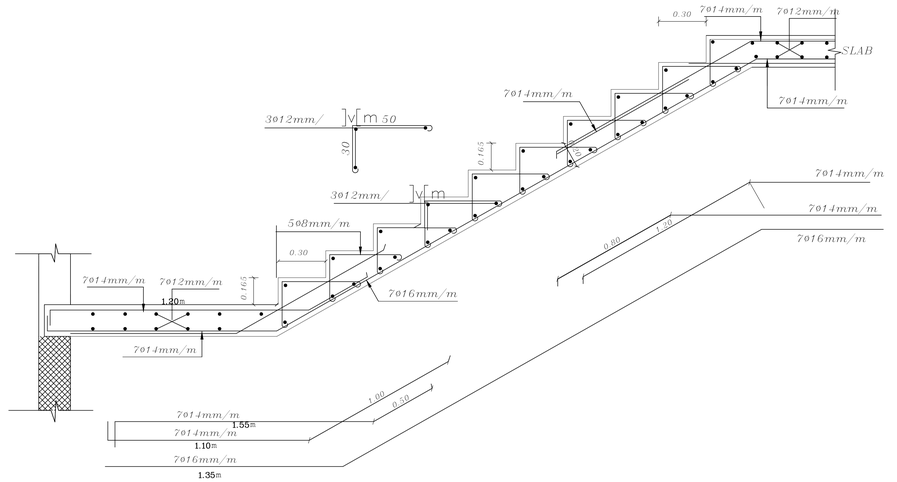
Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

Drawing Title:
Stairs

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:081 |




SCALE 1:20
Section (A-A)




SCALE 1:20

Section (A-A)

Palestine Polytechnic University

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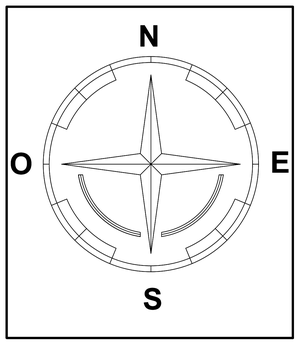
Civil Engineering




## Project: Hospital

Supervisor: D.Belal Almassri

Done By:

Mohammad Abo Tuhfa

Mahmud Masri

Yazan Frijat

Zaid Abo Lawi

Drawing Title:

Detaling Basment Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:150 | S:084 |

Palestine Polytechnic University
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Civil & Architecture Department
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Project: Hospital

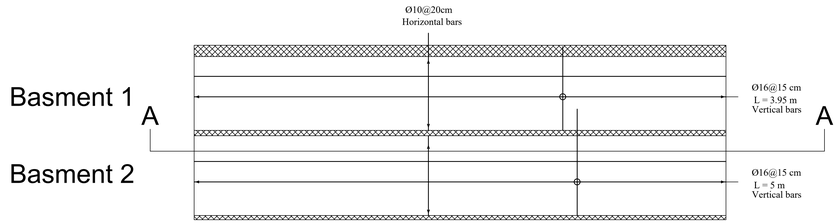
Supervisor: D.Belal Almassri

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

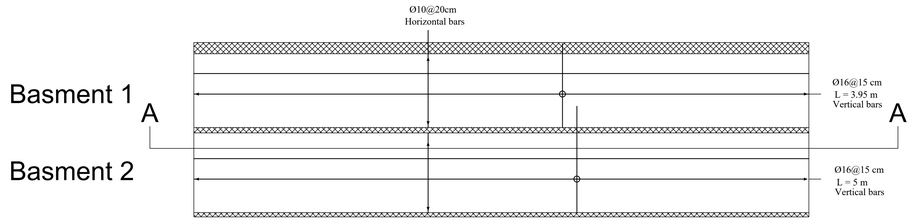
Drawing Title:

Detaling Basment Wall

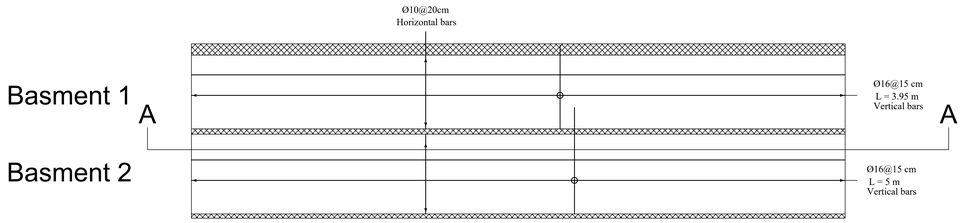
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:085 |



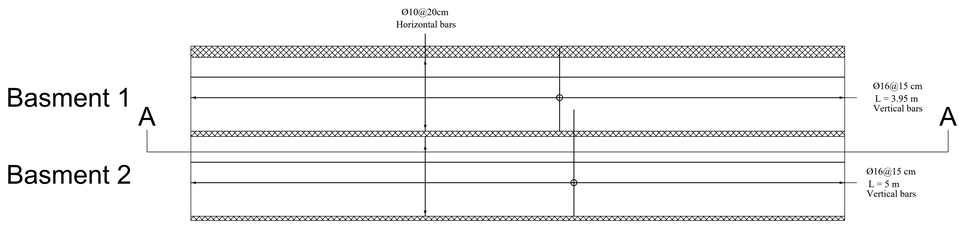

B.W1
Scale 1:50




B.W2
Scale 1:50




B.W3
Scale 1:50




B.W4
Scale 1:50

Palestine Polytechnic University
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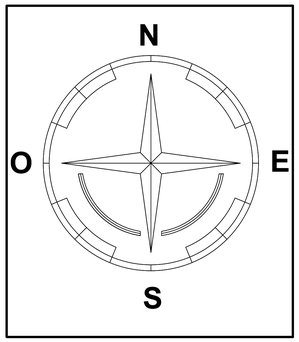
Civil Engineering




Project: Hospital

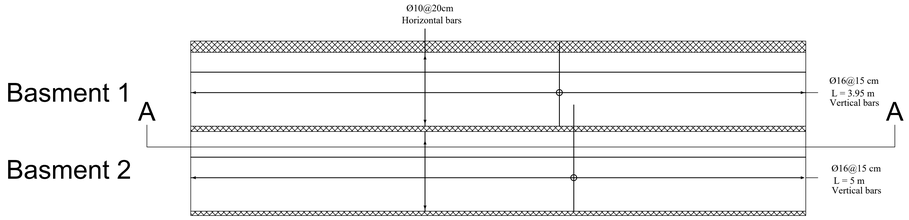
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:

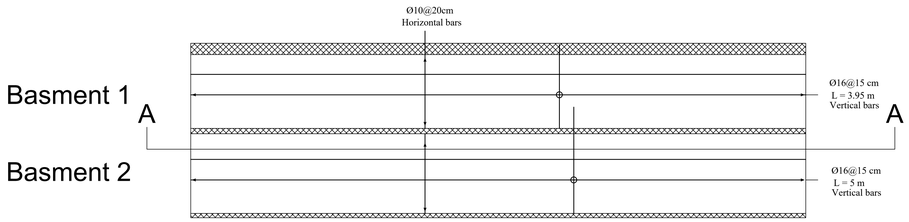
Detaling Basment Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:086 |



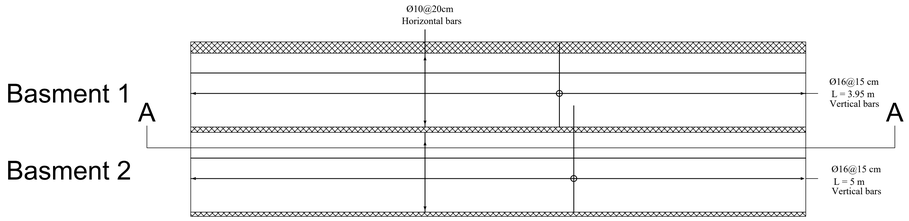

B.W5

Scale 1:50



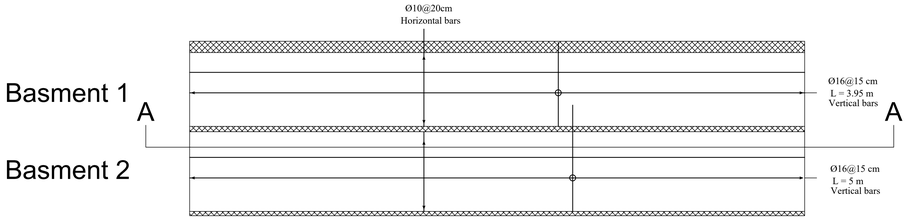

B.W6

Scale 1:50




B.W7

Scale 1:50




B.W8

Scale 1:50

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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Project: Hospital

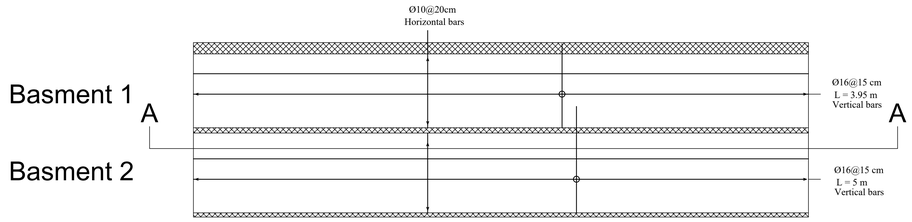
Supervisor: D.Belal Almassri

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:

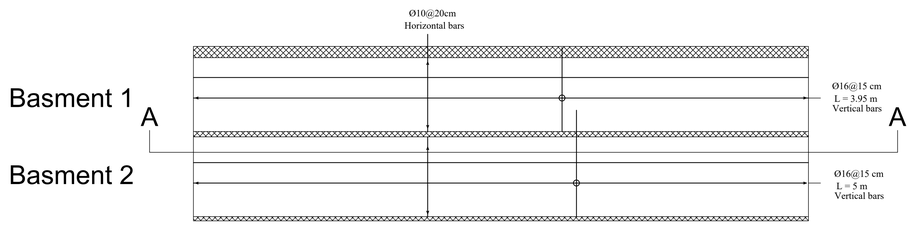
Detaling Basment Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:087 |



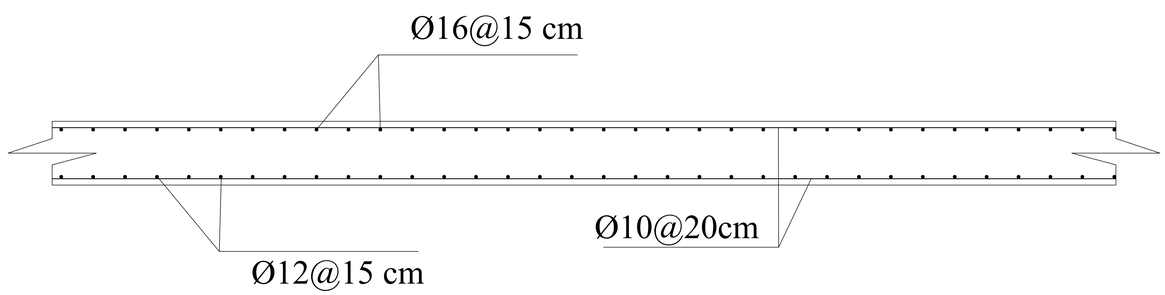

B.W8

Scale 1:50




B.W9

Scale 1:50




Section A-A
Scale 1:10

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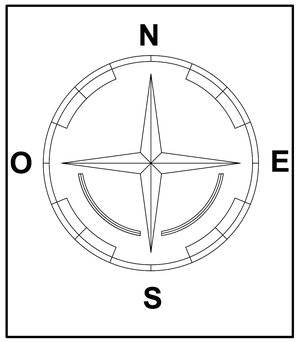



Project: Hospital

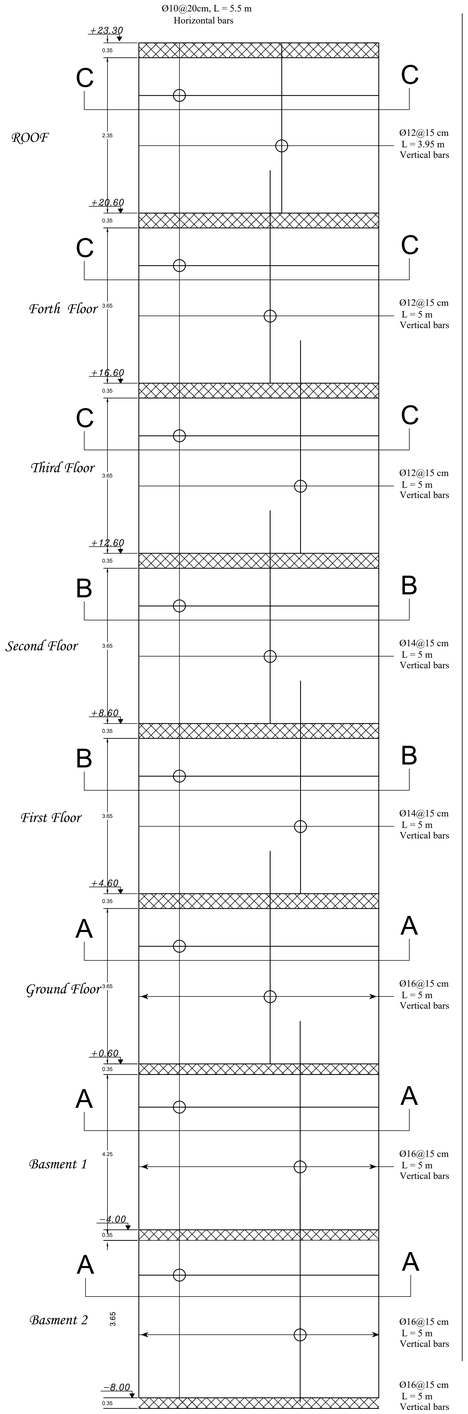
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

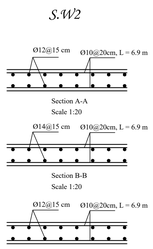
Drawing Title:

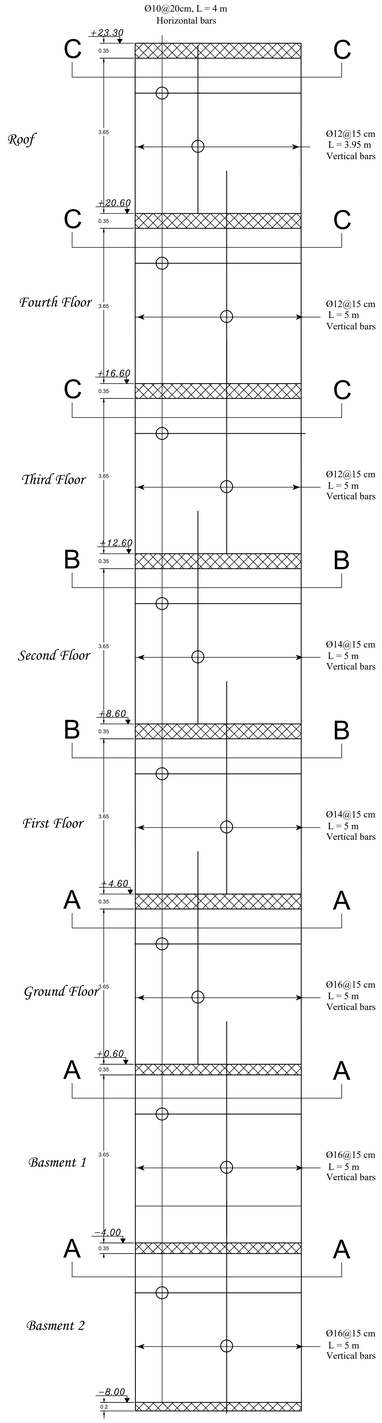
Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:088 |

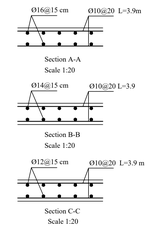



S.W1




S.W2



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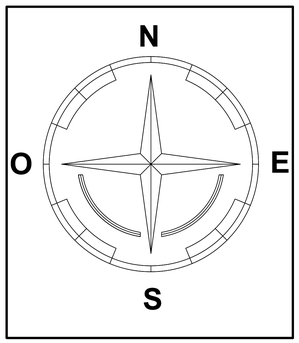



# Project: Hospital

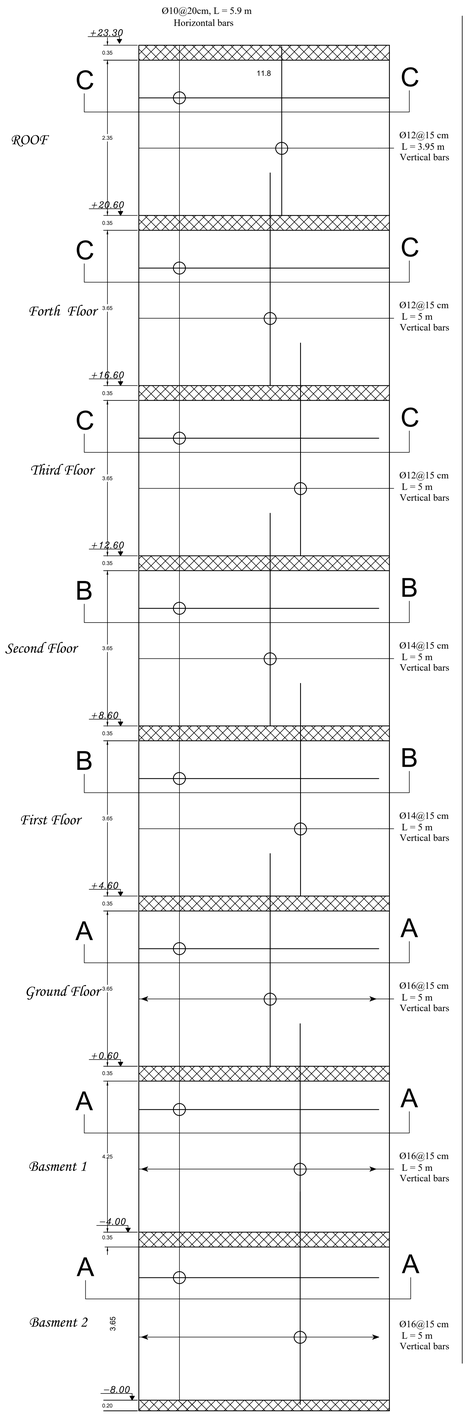
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

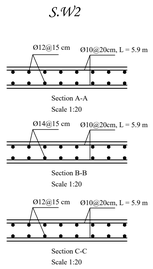
Drawing Title:

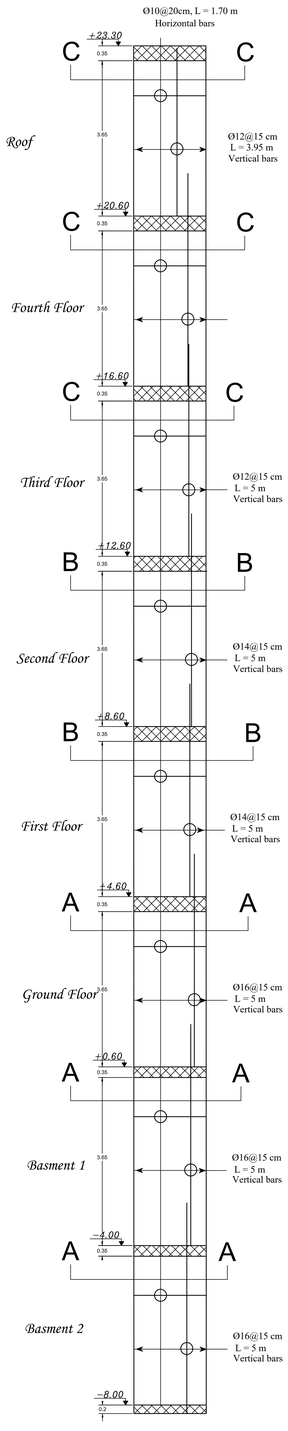
Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:089 |



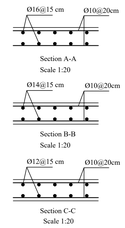

S.W3




S.W4

Ø12@15 cm
L = 5 m
Vertical bars



Palestine Polytechnic University

College of Engineering

Civil & Architecture Department

Civil Engineering

N

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S

# Project: Hospital

Supervisor: D.Belal Almassri


Done By:

Mohammed Ali Mohammed

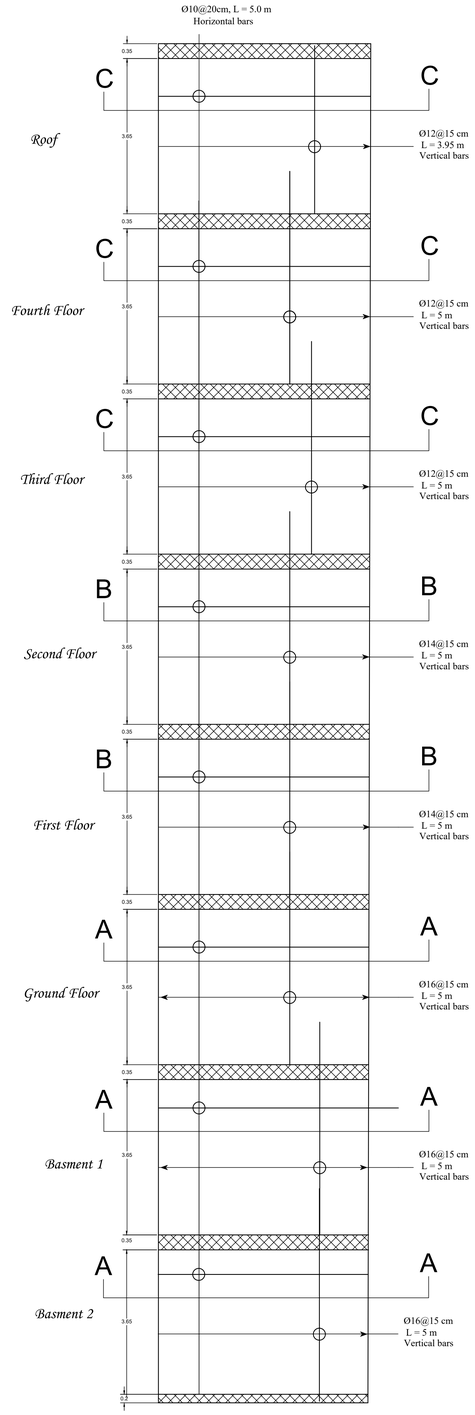
Hussein Taweel

Hamza Abusabha


Drawing Title:

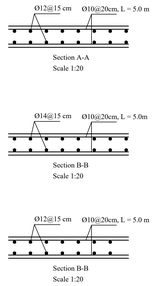
Detaling Shear Wall

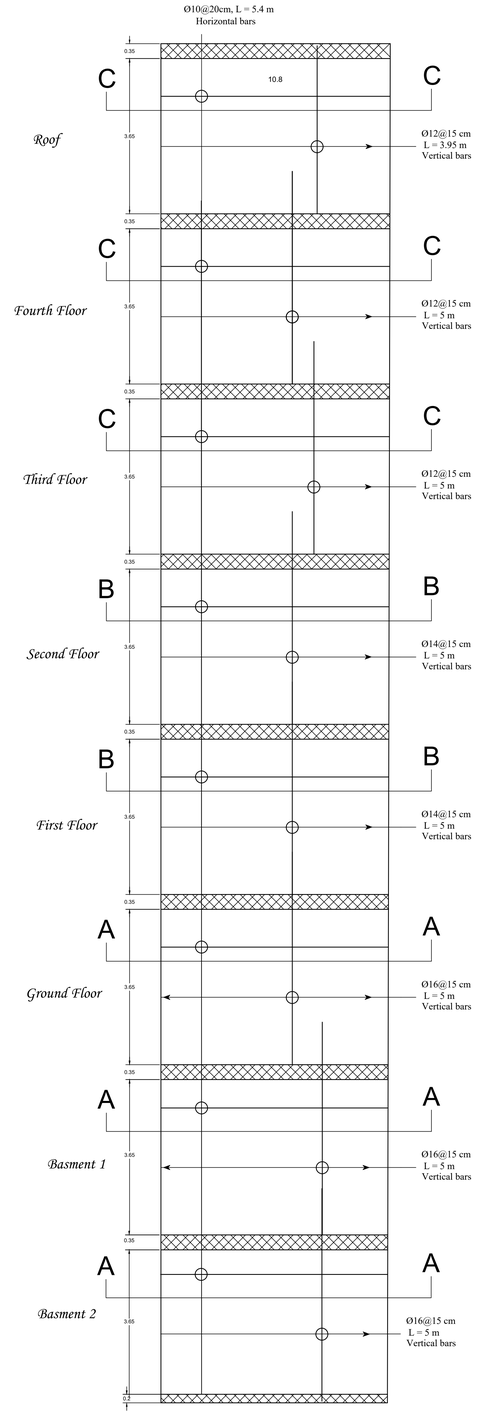
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:090 |



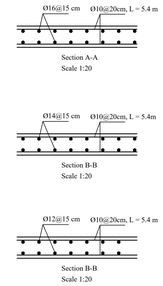

S.W5&S.W6

S.W5 , S.W6 , S.W33




S.W7,SW14,SW24 , SW32




S.W7,SW14,SW24 , SW32

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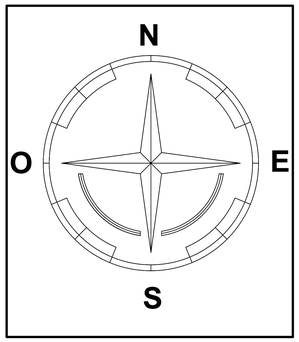



# Project: Hospital

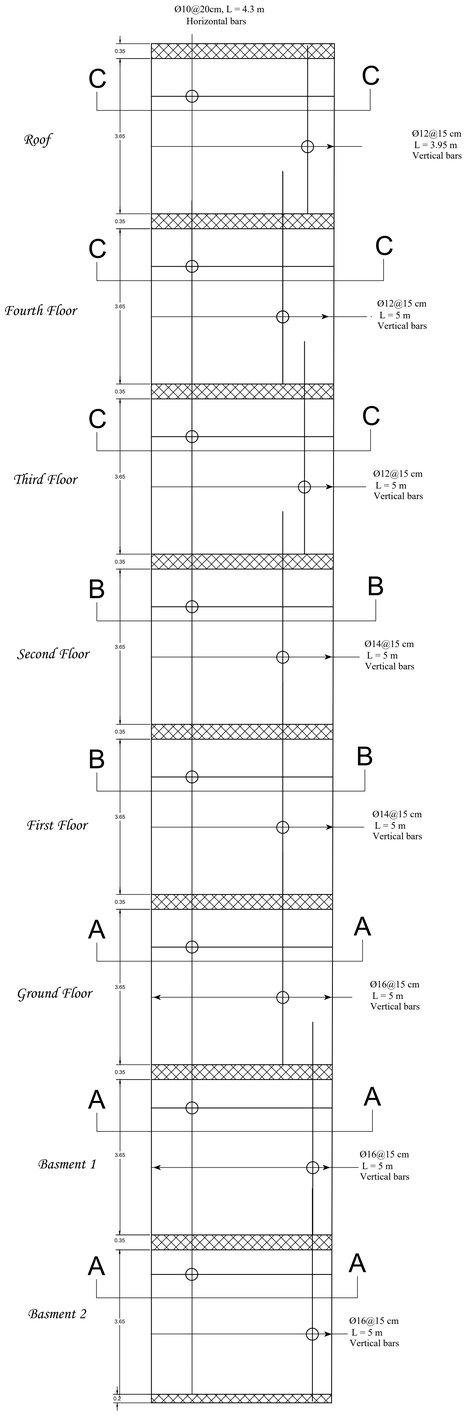
Supervisor: D.Belal Almassri

Done By:
Mohammed Ali Mohammed
Hussein Taweel
Hamza Abusabha

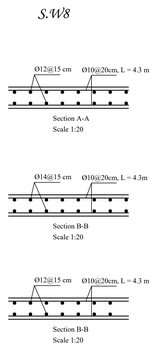
Drawing Title:

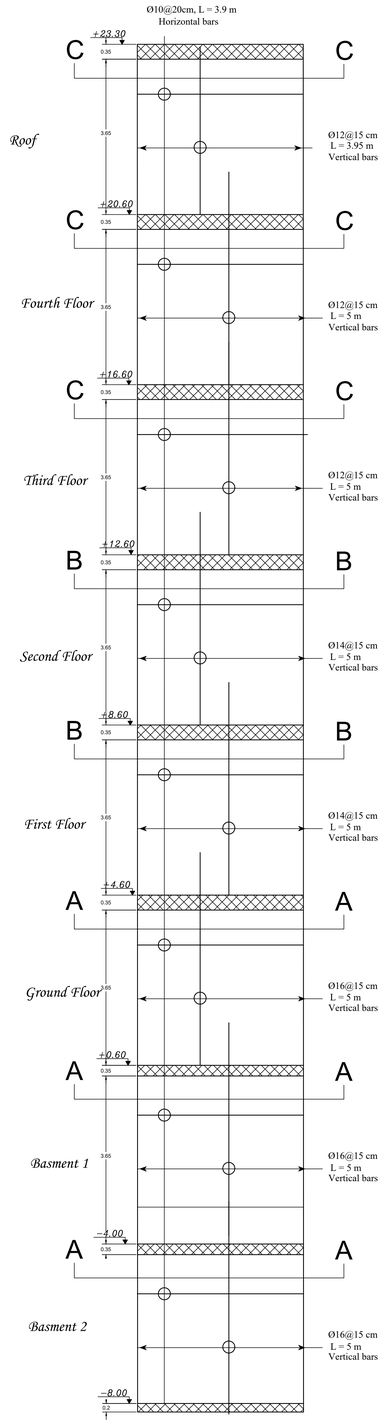
Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:091 |

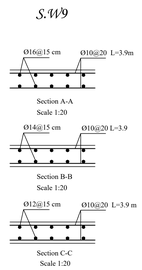



S.W8




S.W9



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# Project: Hospital

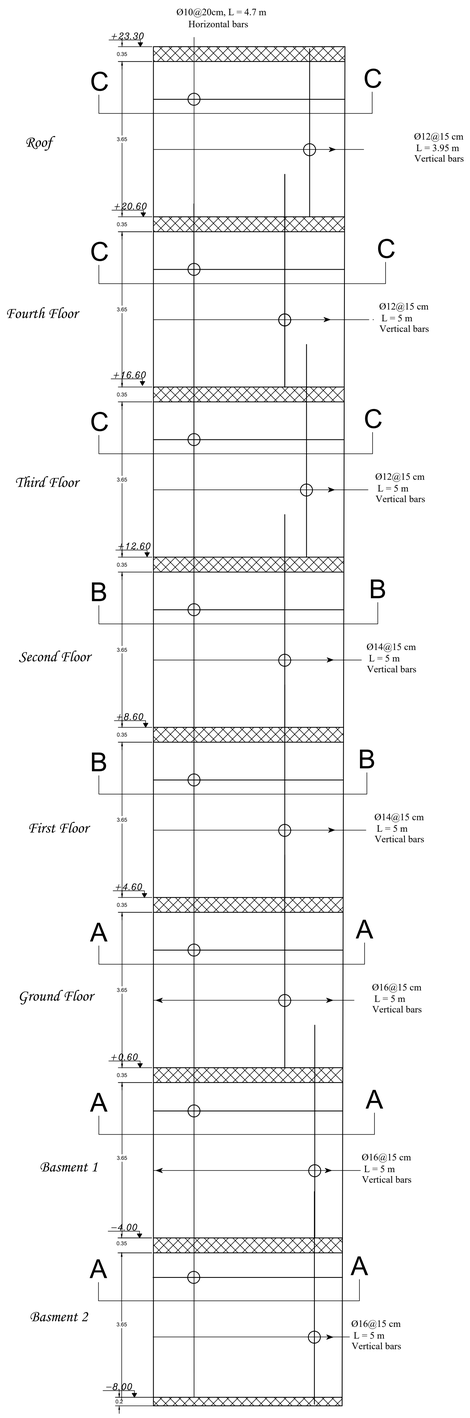
Supervisor: ENG. Hamdi ideas


Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

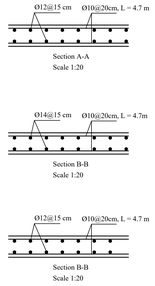

Drawing Title:

Detaling Shear Wall

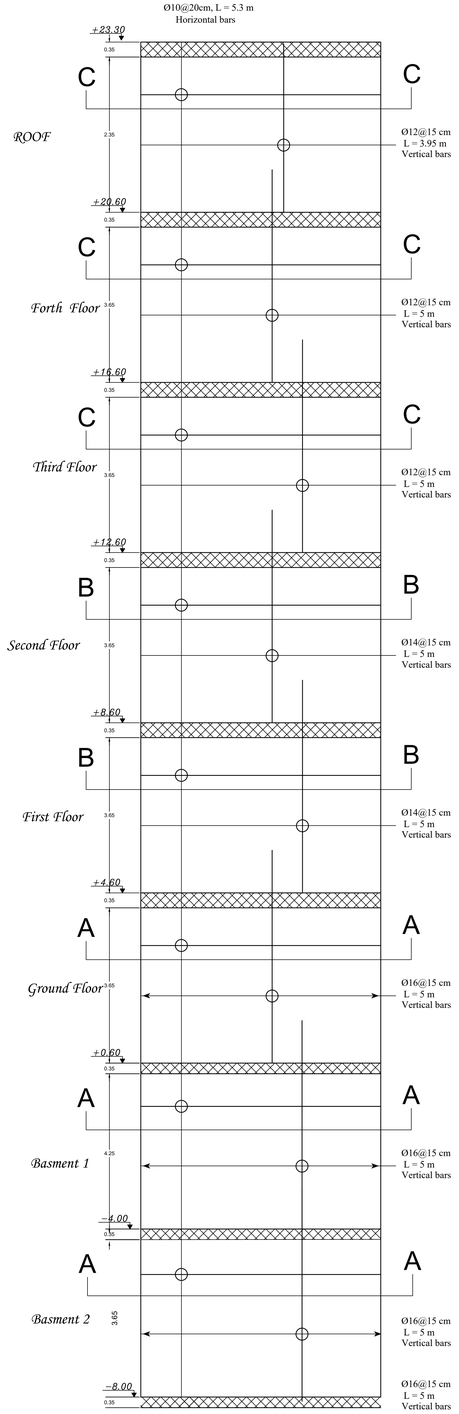
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:092 |



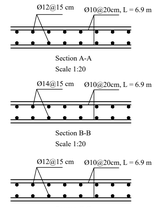

S.W10




S.W10




S.W11 , SW31




S.W11 , SW31

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# Project: Hospital

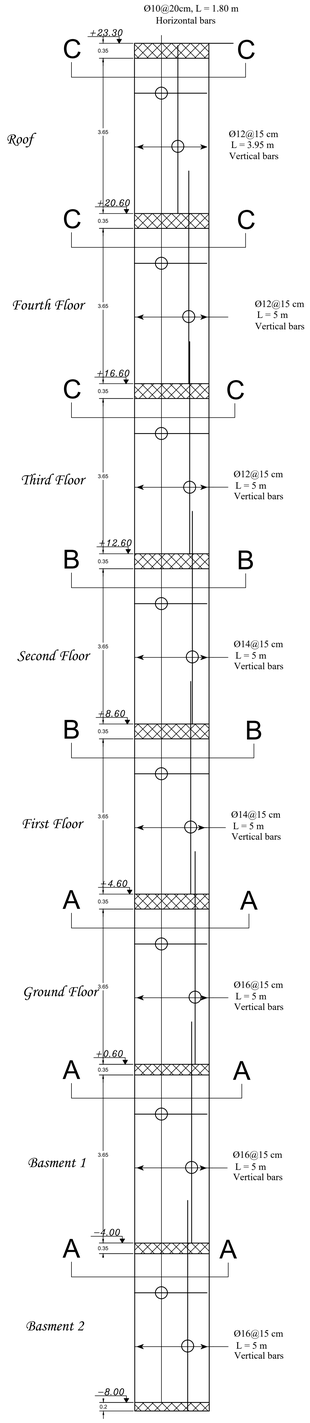
Supervisor: ENG. Hamdi ideas

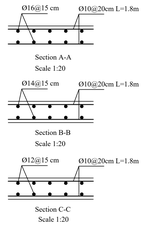

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi


Drawing Title:

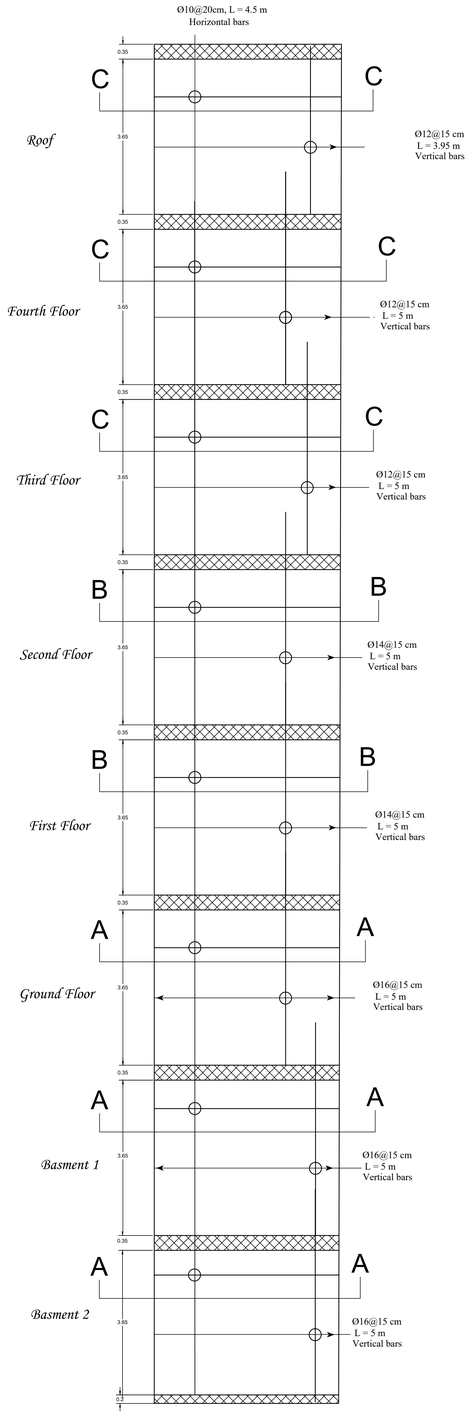
Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:093 |



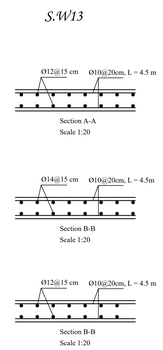




S.W12




S.W13

S.W13



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Project: Hospital

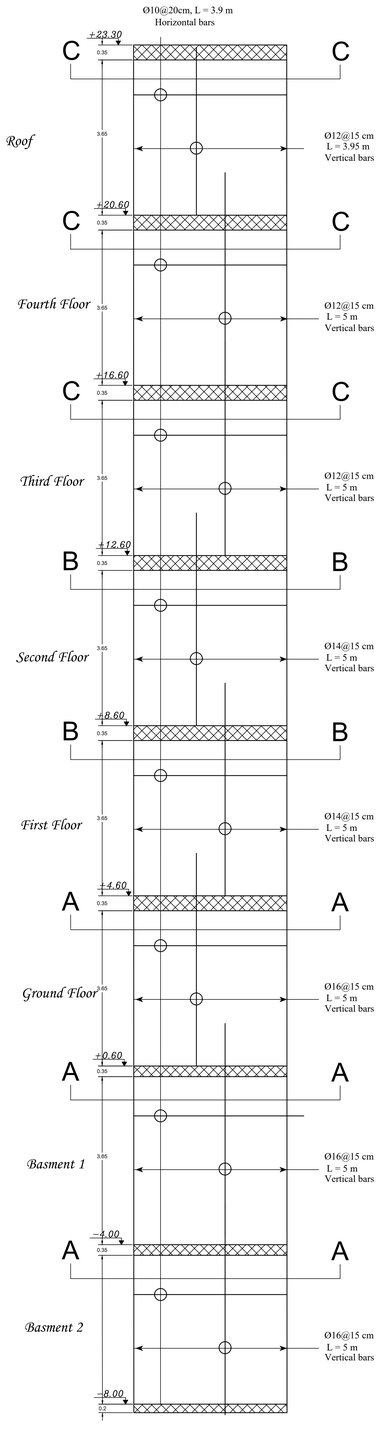
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

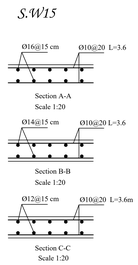
Drawing Title:

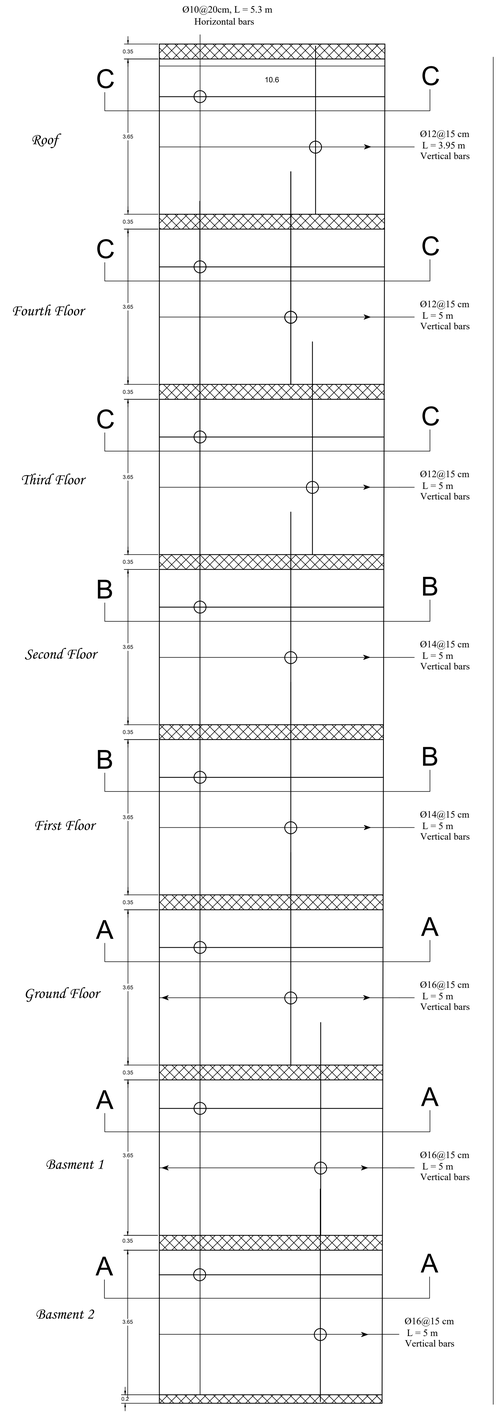
Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:094 |




S.W15

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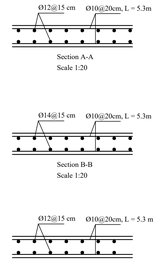

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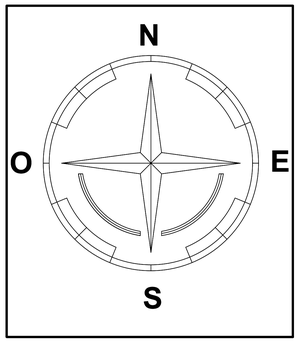



# Project: Hospital

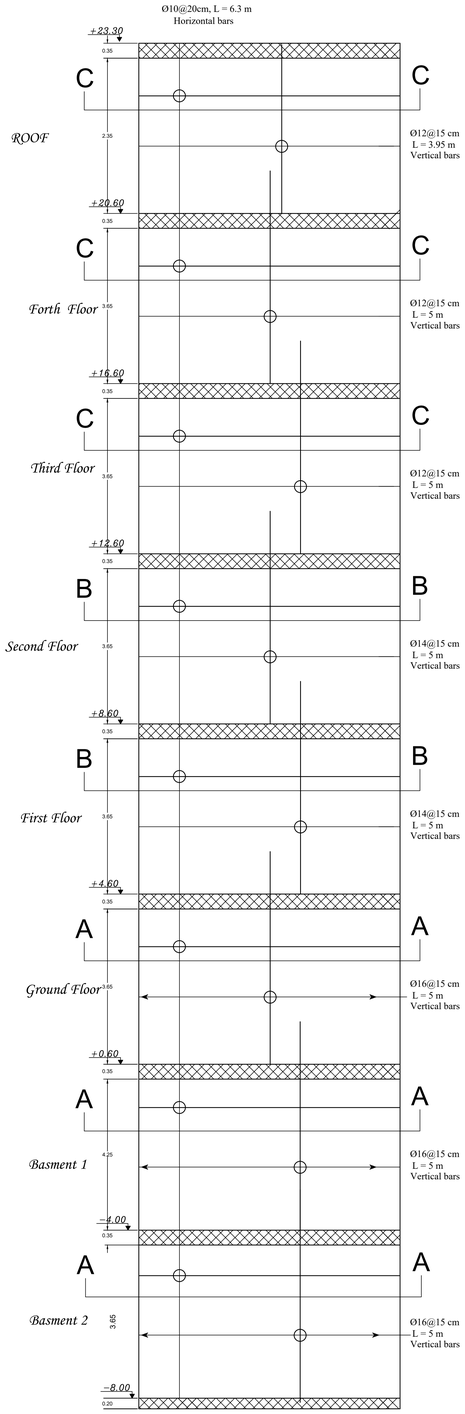
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

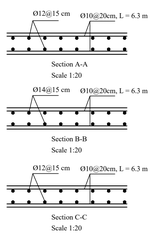
Drawing Title:

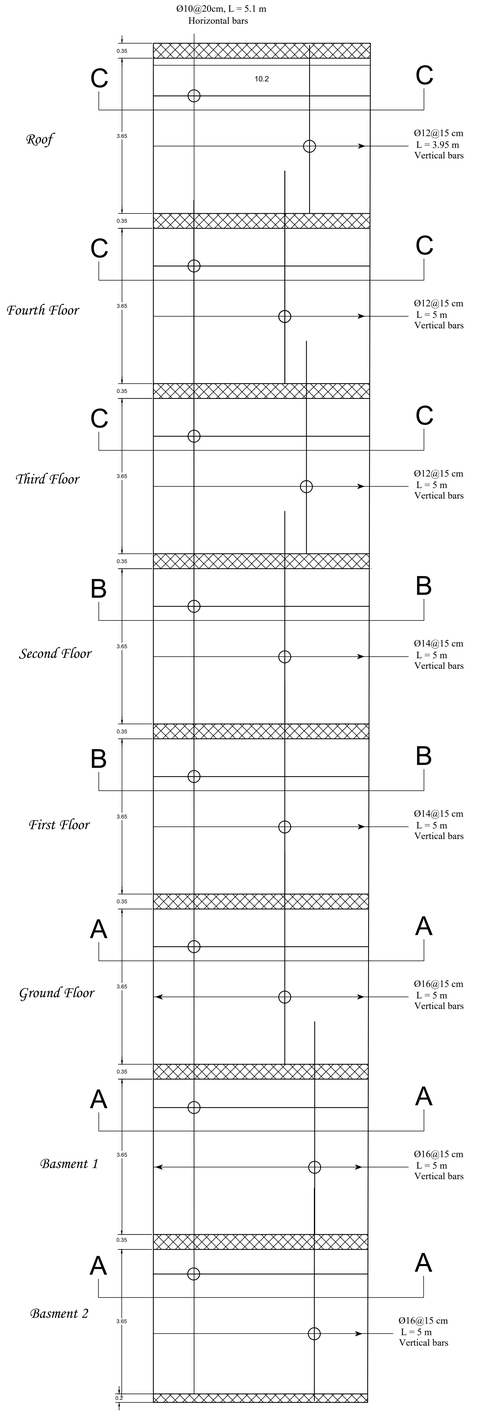
Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:095 |

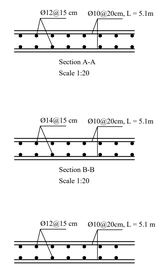



S.W17




S.W18



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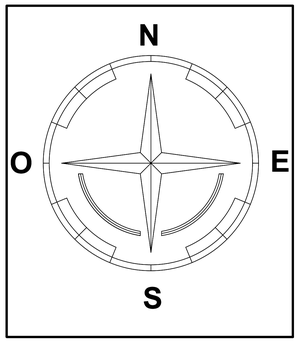



Project: Hospital

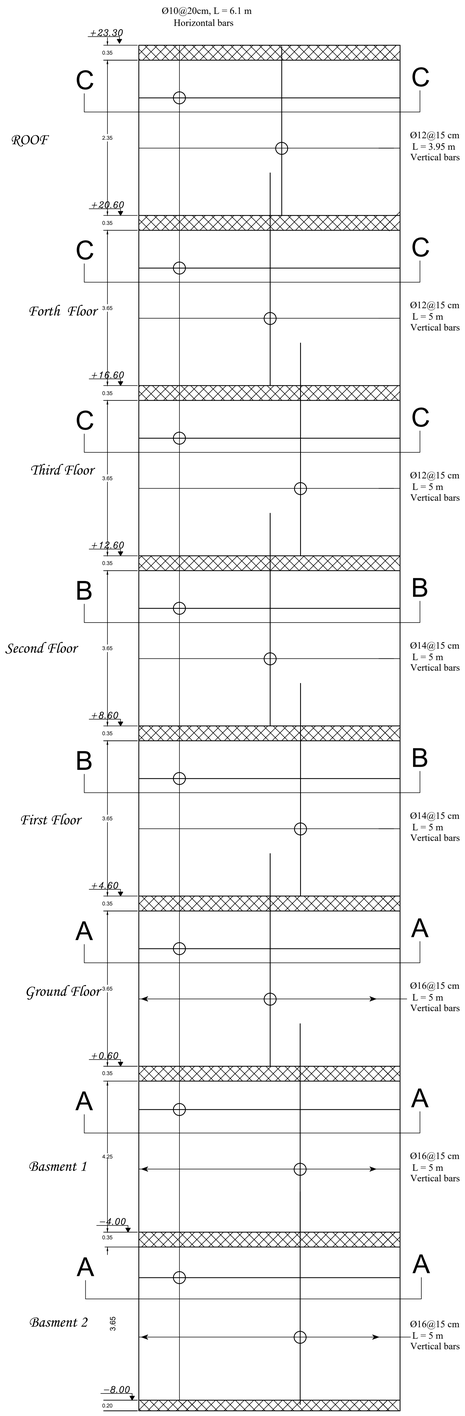
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:

Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:096 |

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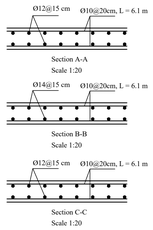
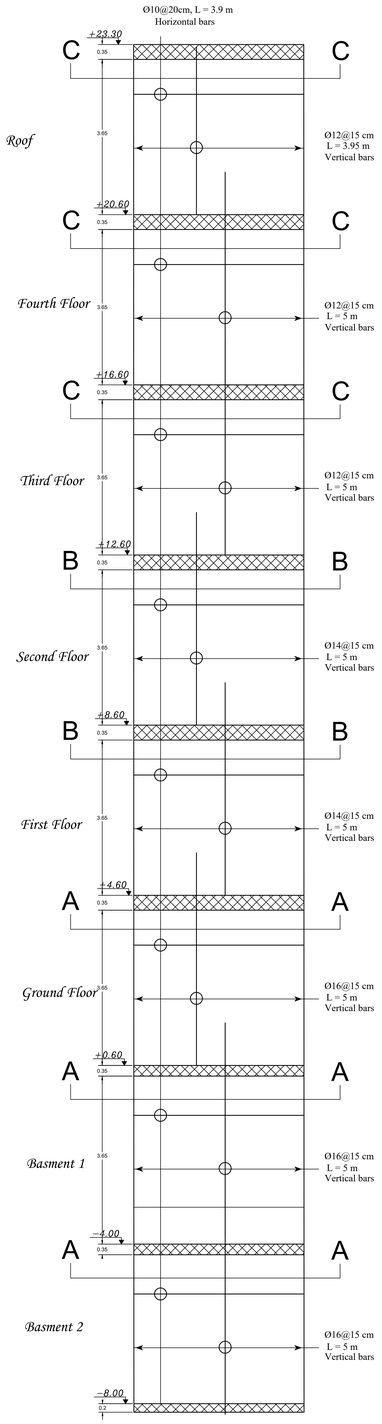
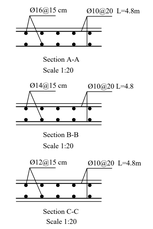



S.W20



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Civil Engineering

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Project: Hospital

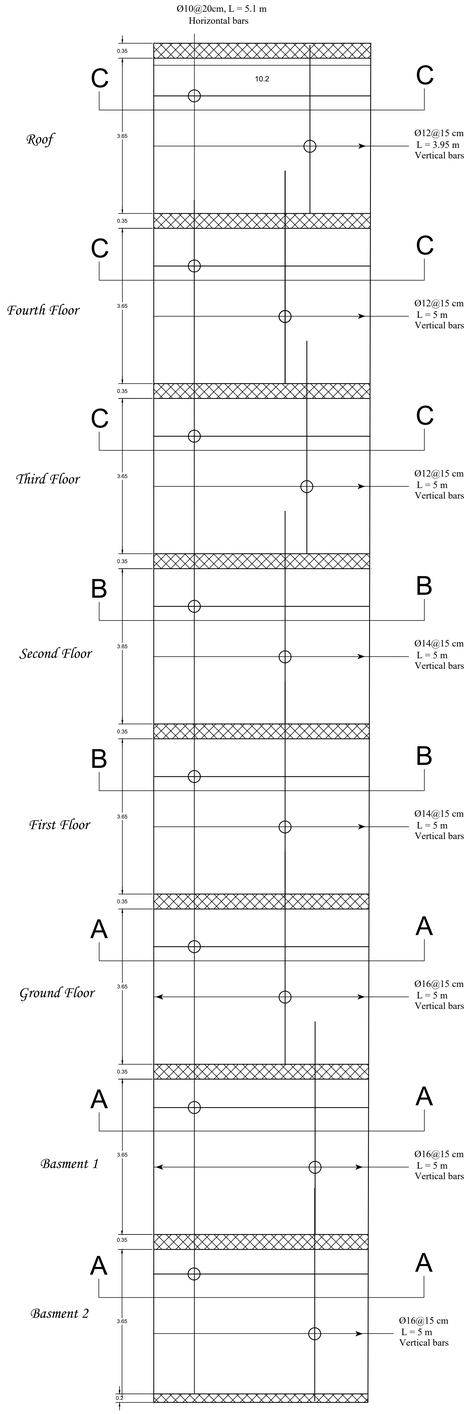
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

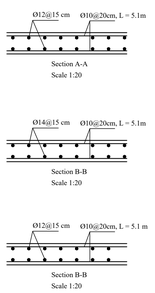
Drawing Title:

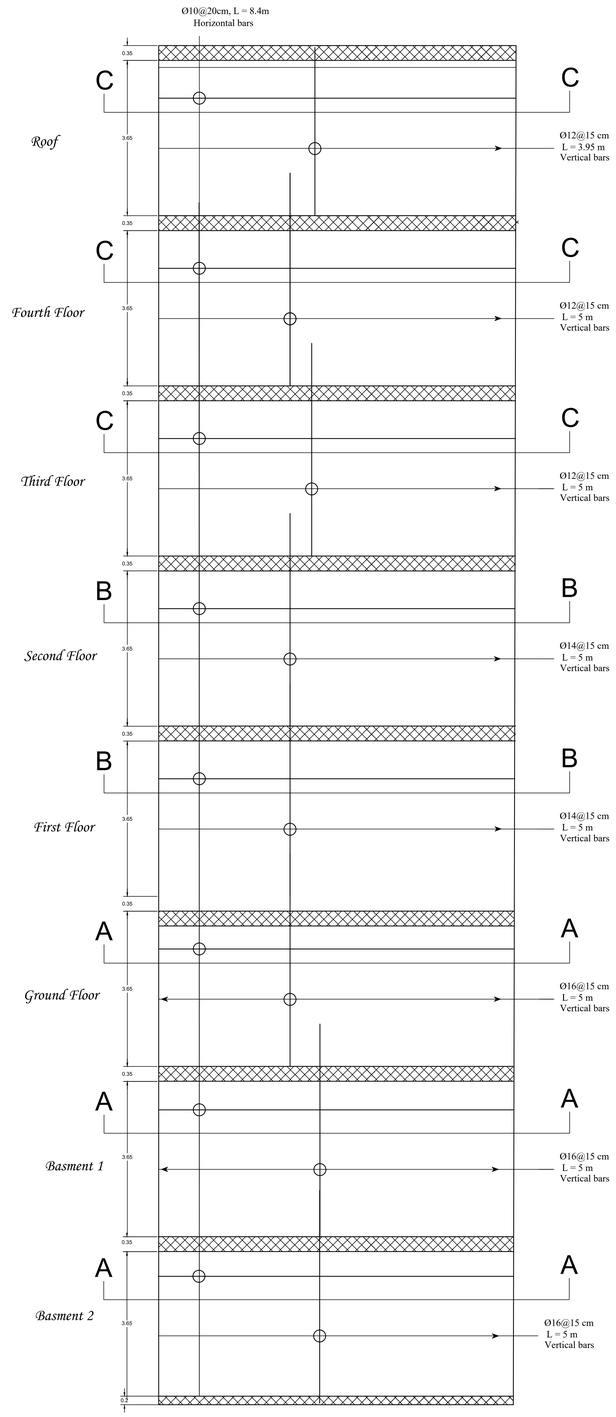
Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:097 |




S.W21

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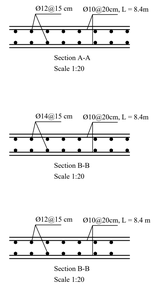


S.W21

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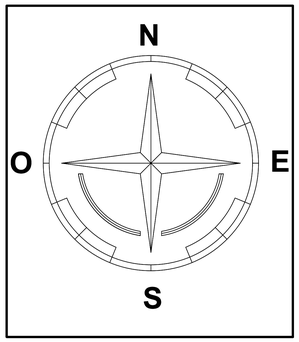



Project: Hospital

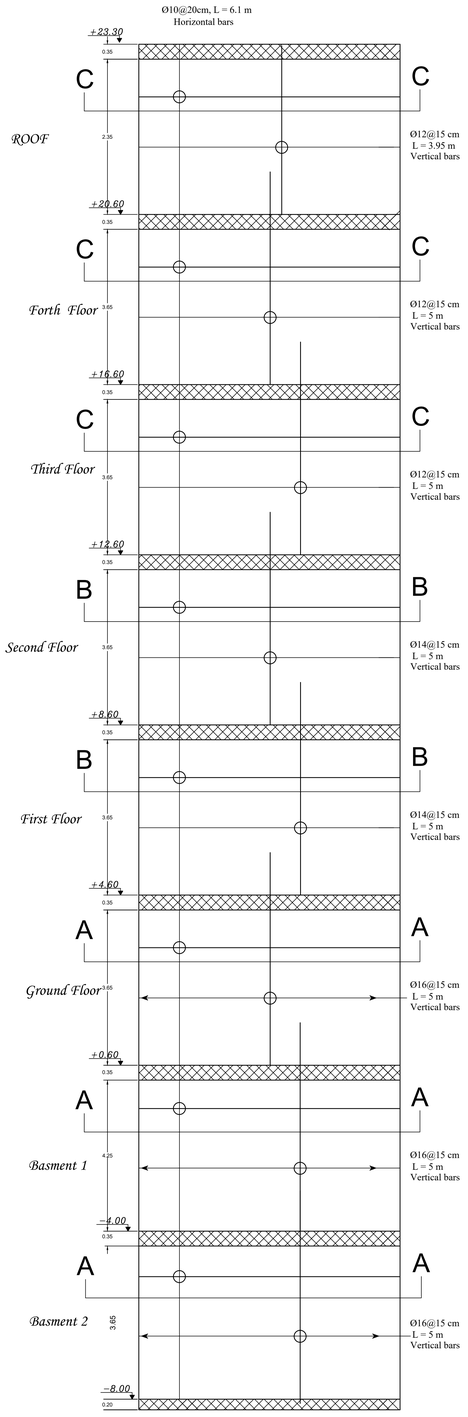
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:

Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:098 |

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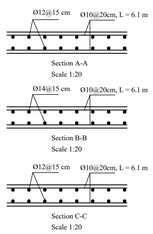
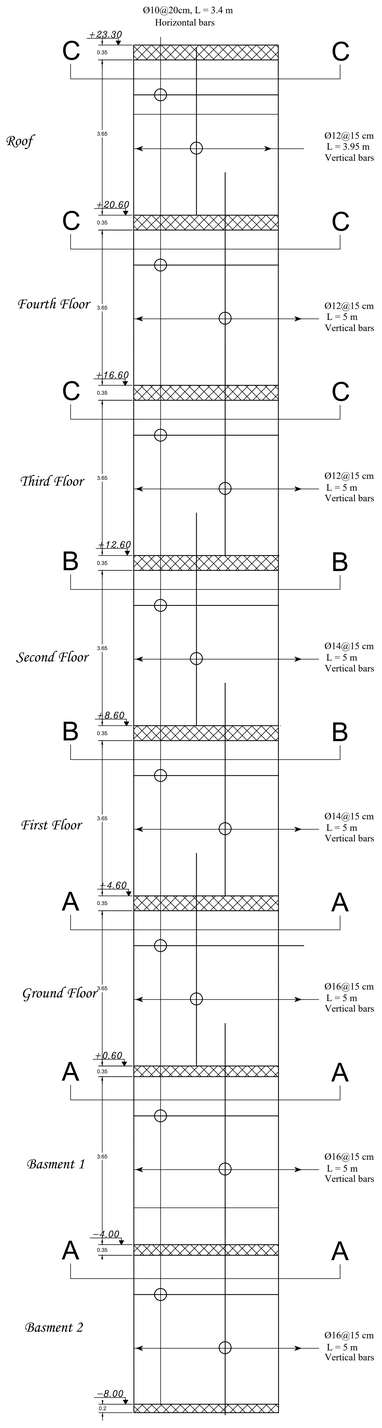
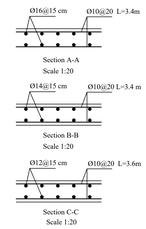



S.W20

S.W25 ,SW26



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# Project: Hospital

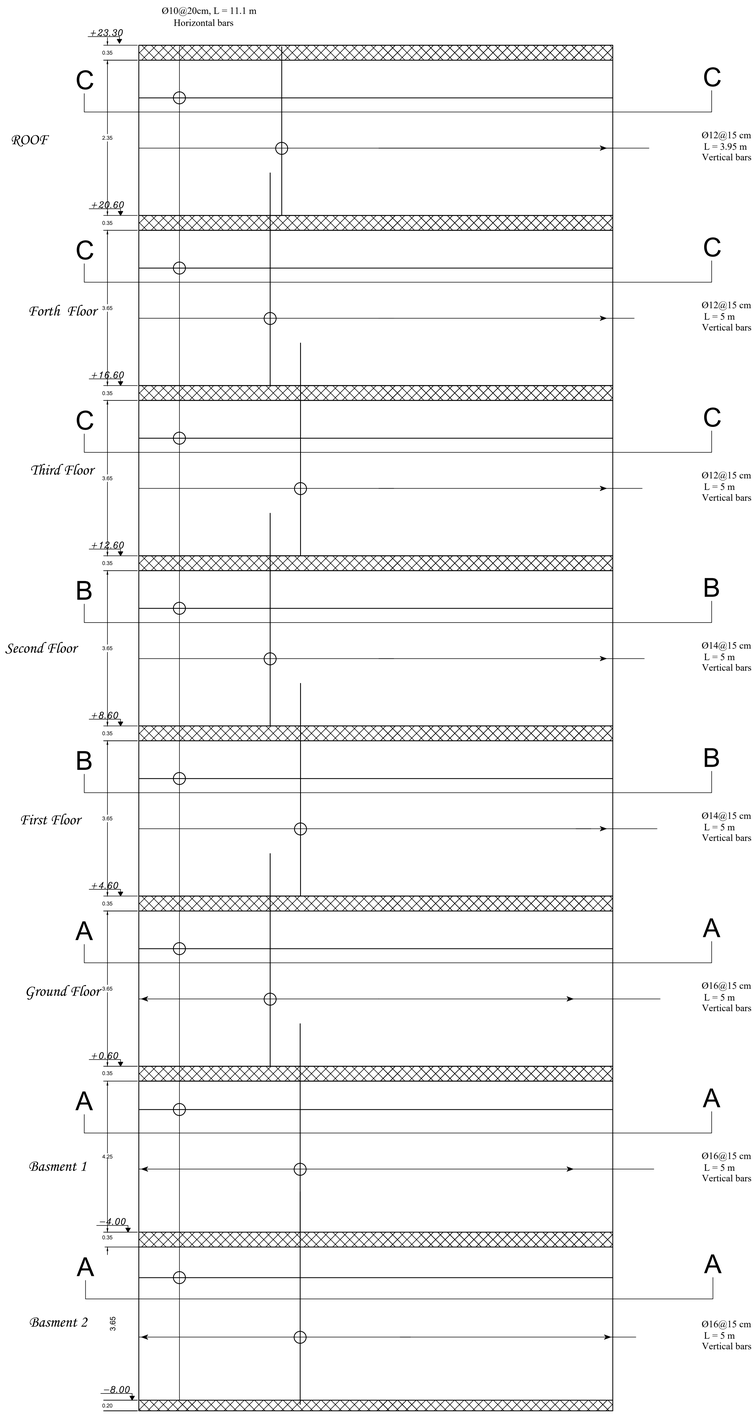
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

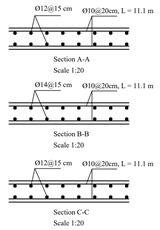
Drawing Title:

Detaling Shear Wall

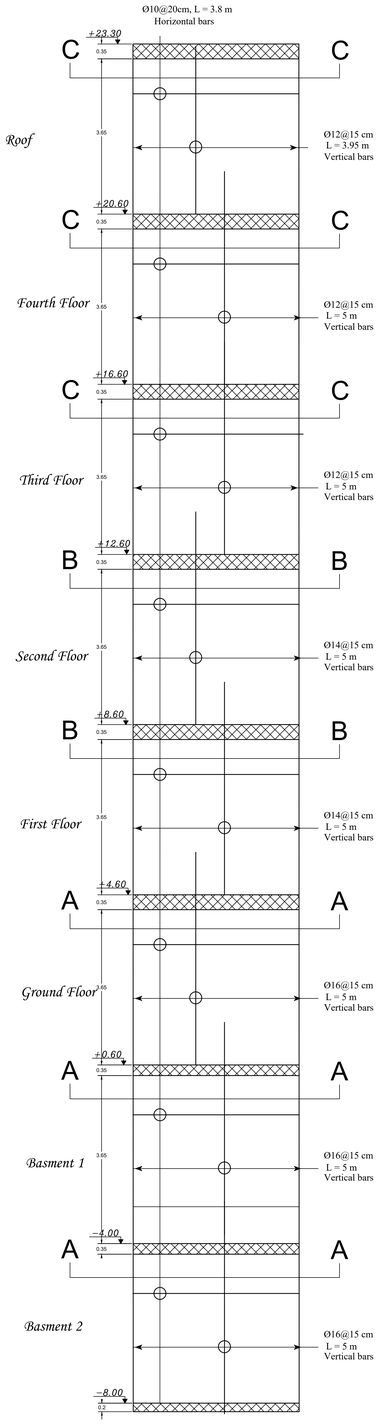
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:099 |



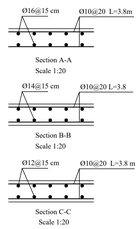

S.W27




S.W27




S.W28, SW29, SW30




S.W28, SW29, SW30

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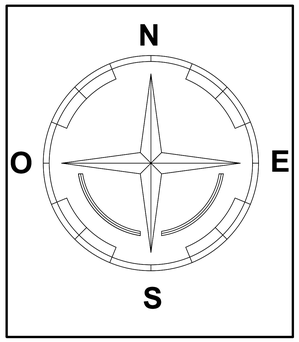



# Project: Hospital

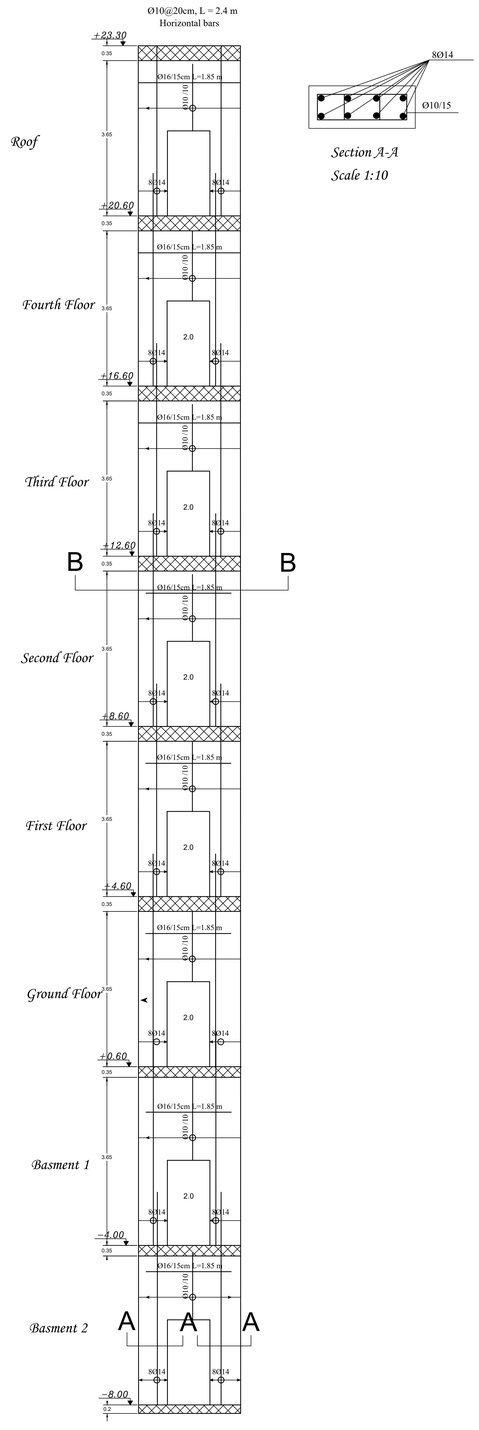
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:

Detaling Shear Wall

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:100 |







*Section A-A*
*Scale 1:10*

*SW35*

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N
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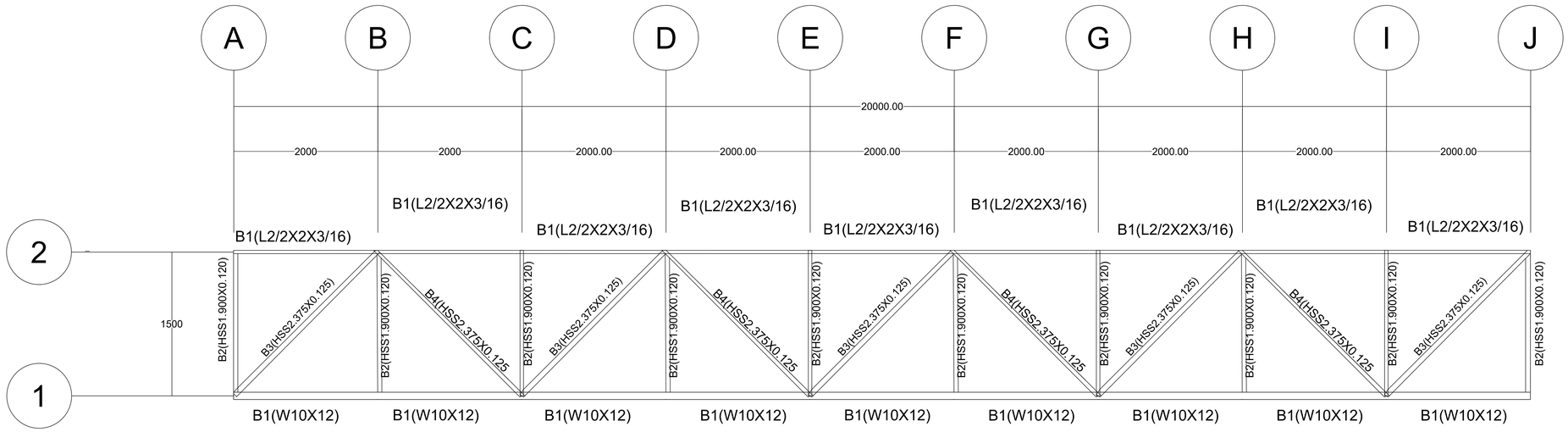
Project: Hospital

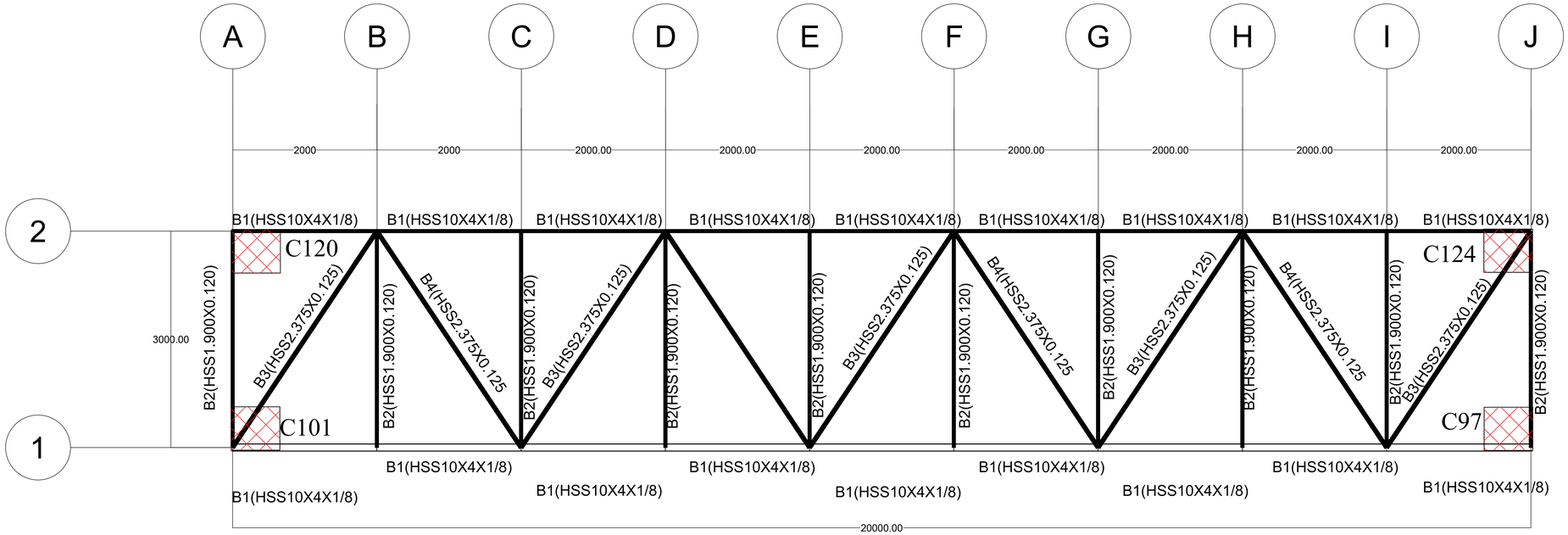
Done By:

Drawing Title:

| SCALE | NO. OF DRAW |
|---|---|
| 1:10 | S:101 |




ELEVATION




PLANE

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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Project: Hospital

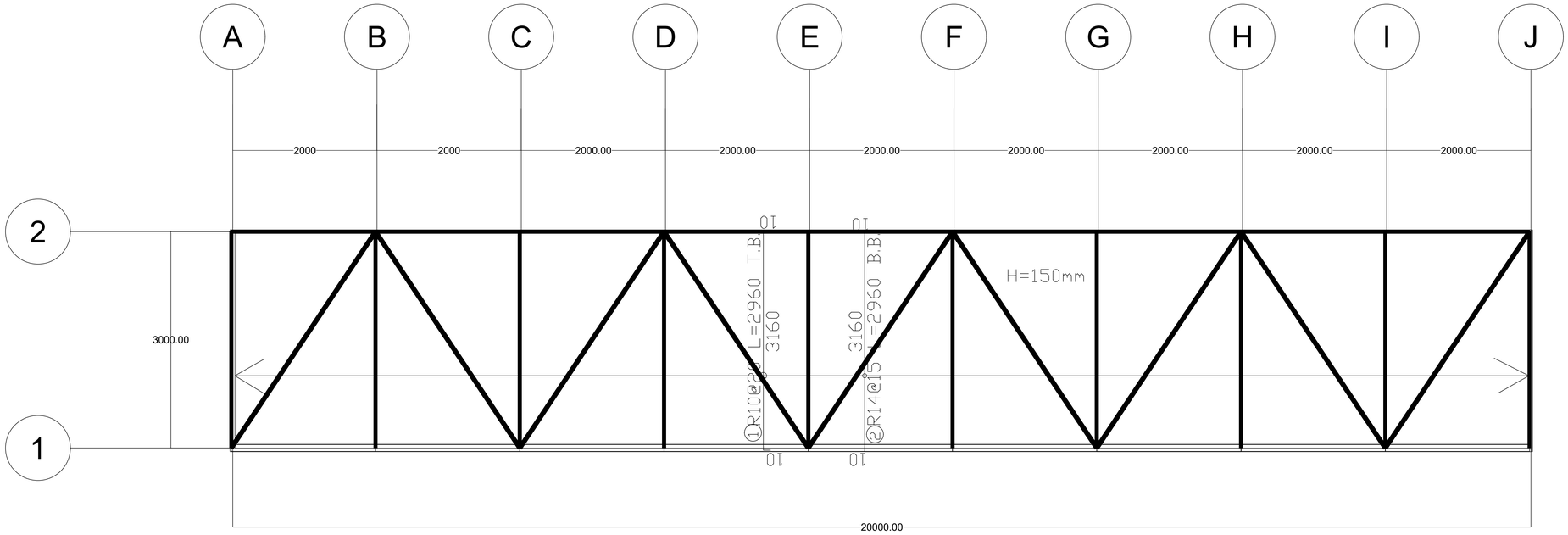
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

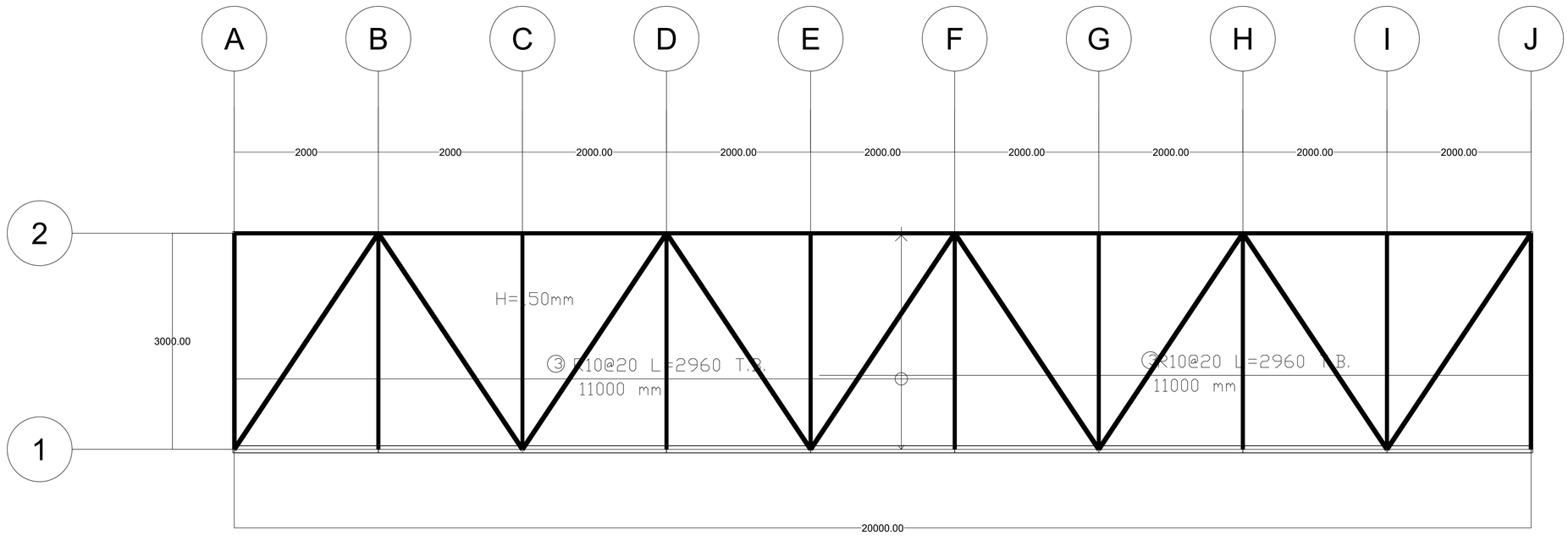
Drawing Title:

planes

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:102 |




PLANE




PLANE

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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S

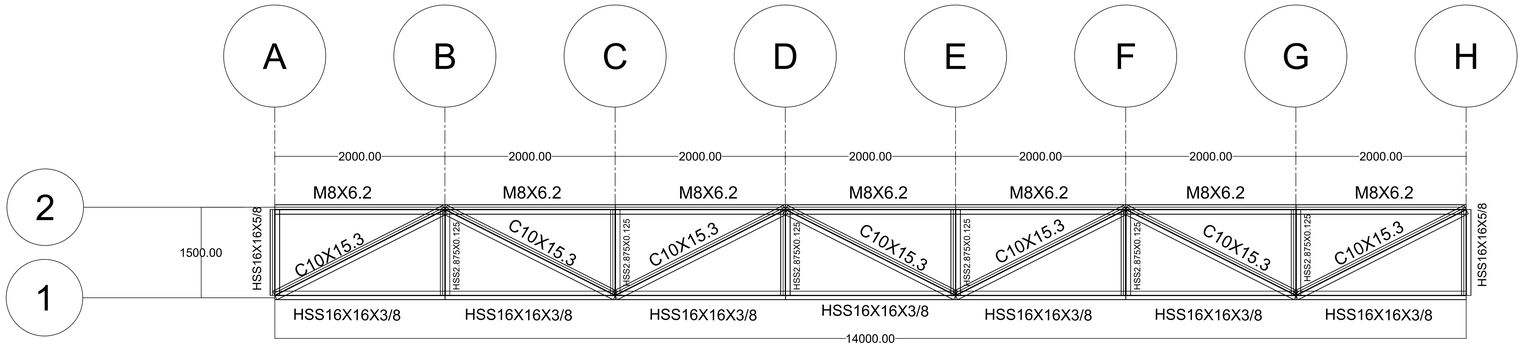
Project: Hospital

Supervisor: ENG. Hamdi ideas

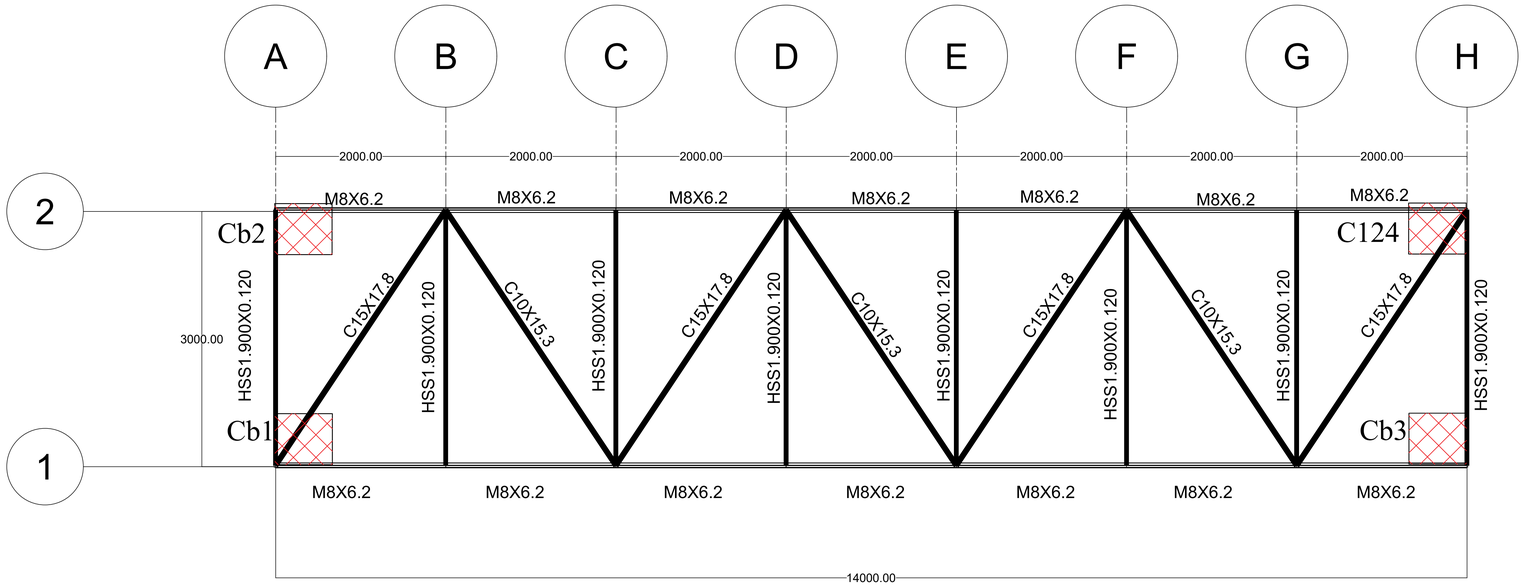
Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:
Stairs

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:103 |




ELEVATION



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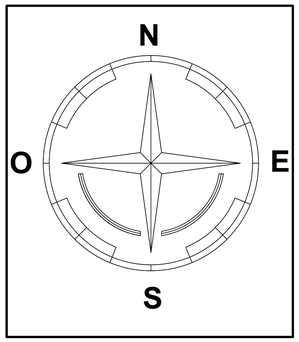
Civil & Architecture Department
Civil Engineering




Project: Hospital

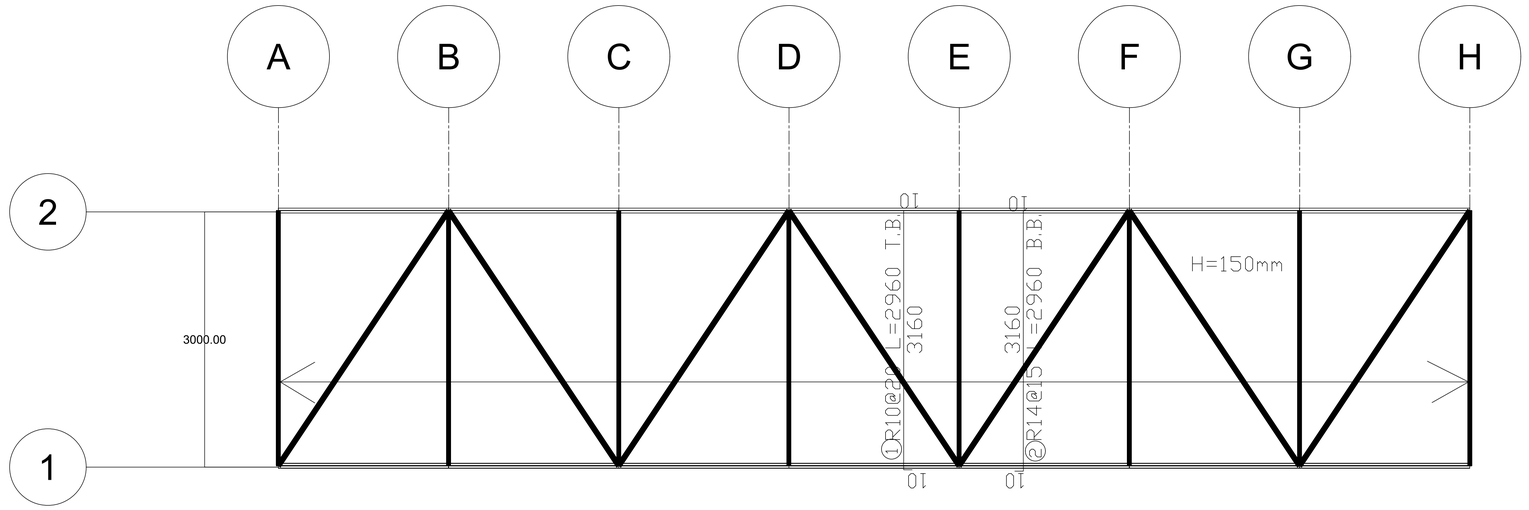
Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

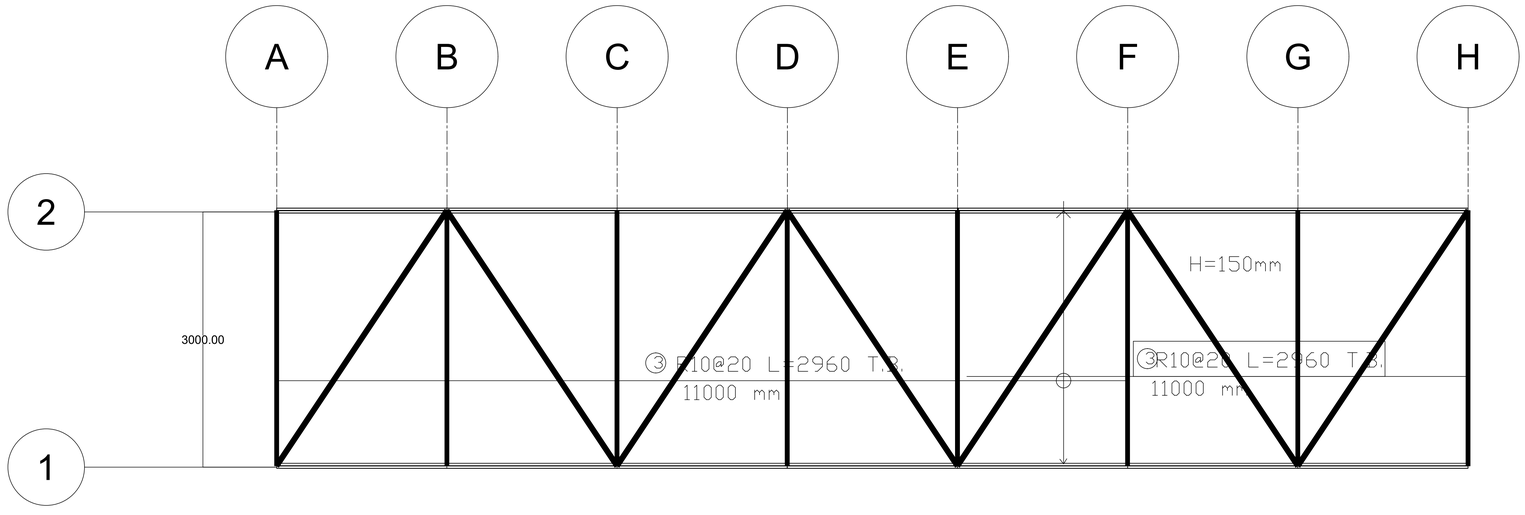
Drawing Title:

Stairs

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:104 |




PLANE




PLANE

Palestine Polytechnic University
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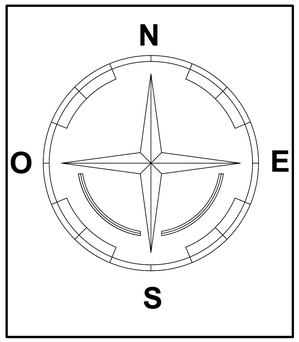
Civil & Architecture Department
Civil Engineering




# Project: Hospital

Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

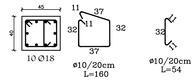
Drawing Title:

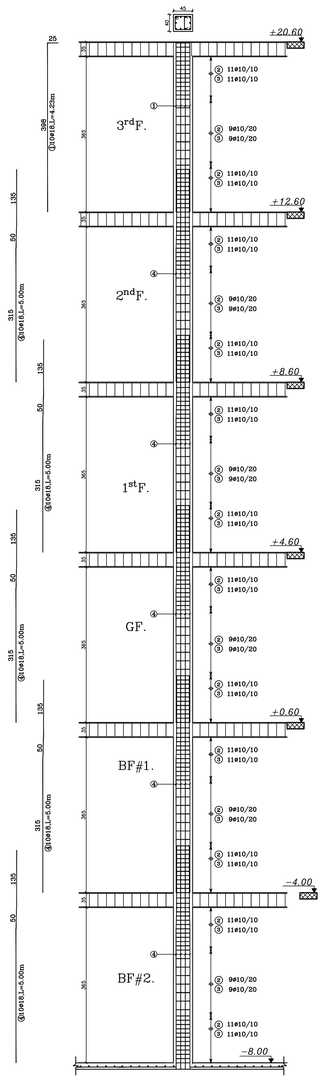
column detailing

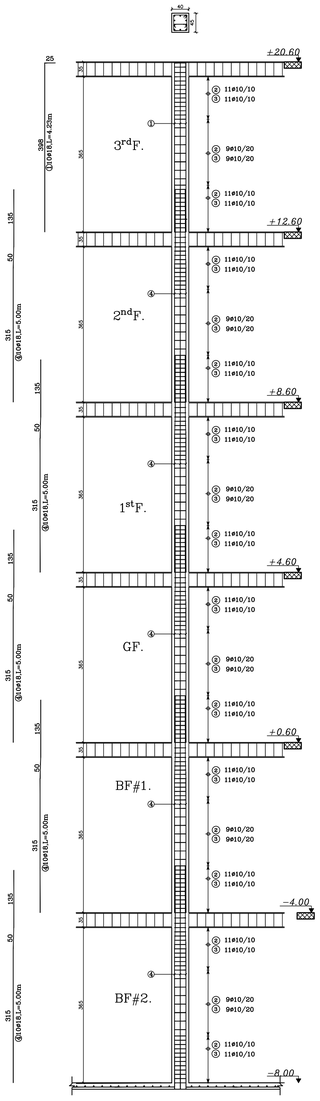
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:105 |

| Group No. | Column No. |
|---|---|
| "G1" | C30 , C39 , C44 , C45 , C50 , C51 , C58 , C59 ,C60 , C61 , C62, C63 , C64 , C65 , C66 ,C75 , C76, C79 ,C80 , C81 , C97 , C101, C111 , C122 , C124 , C135 ,C136 , C139 , C149 , C150 , C160, C162 , C163 , C164 , C165 , C166, C175, C179 , C197 , C198 , C202 , C203 , C204 , C205 , C206 , C207 , C208 , C209 ,C 220 |

"G1(800KN)"



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# Project: Hospital

Supervisor: ENG. Hamdi ideas

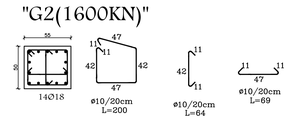

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi


Drawing Title:

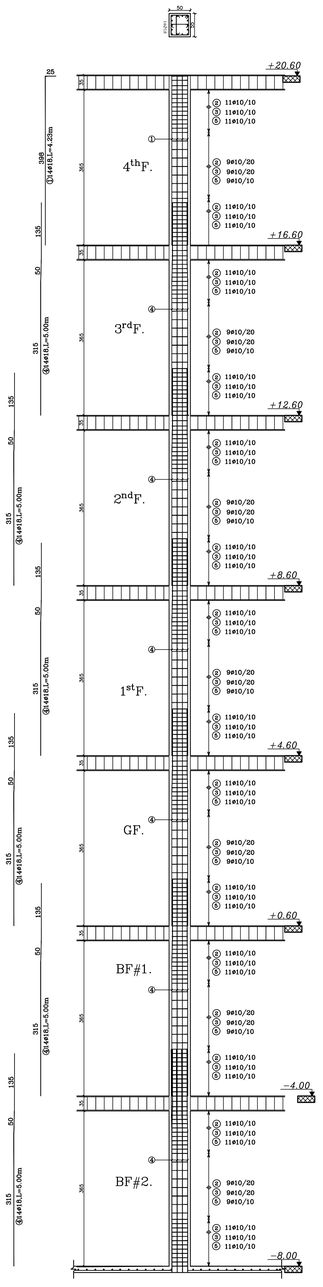
column detailing

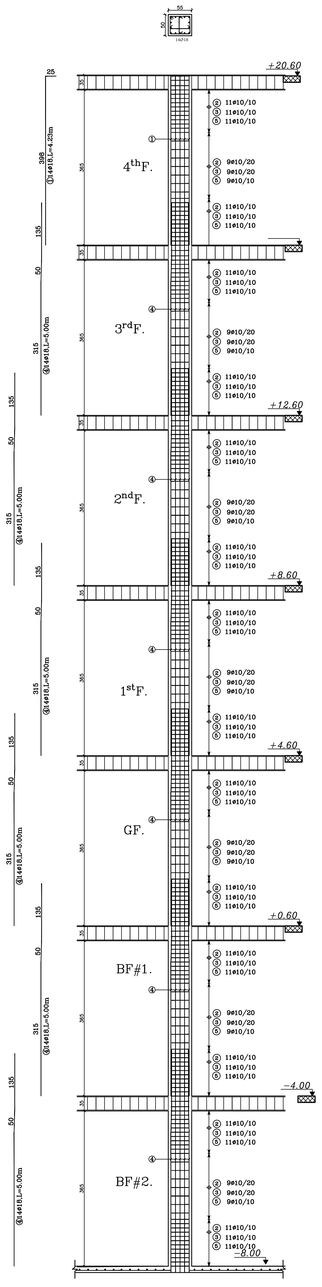
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:106 |

"G2(1600KN)"




| Group No. | Column No. |
|---|---|
| "G2" | C1 , C9 , C10 , C23 , C26, C27 ,C28 , C31 , C32 , C33 , C34 , C35 , C36 , C37 , C38 , C40 , C41 ,C42 , C43 , C51, C56 , C77 , C78 , C86 ,C88 , C89, C91 ,C92 , C95 , C96, C98 , C99 , C100 ,C102, C108 , C110 , C119, C120 , C121 , C123 , C137 , C138 , C140, C152 , C160 , C177 , C178 , C180 , C181 , C188 , C190 , C199 , C200 , C201 ,C 213 |



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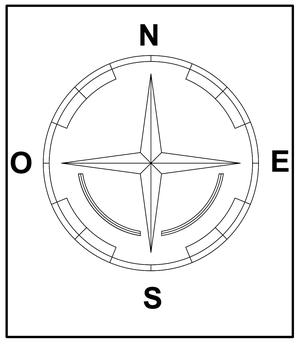
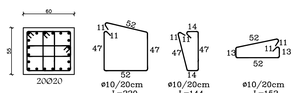
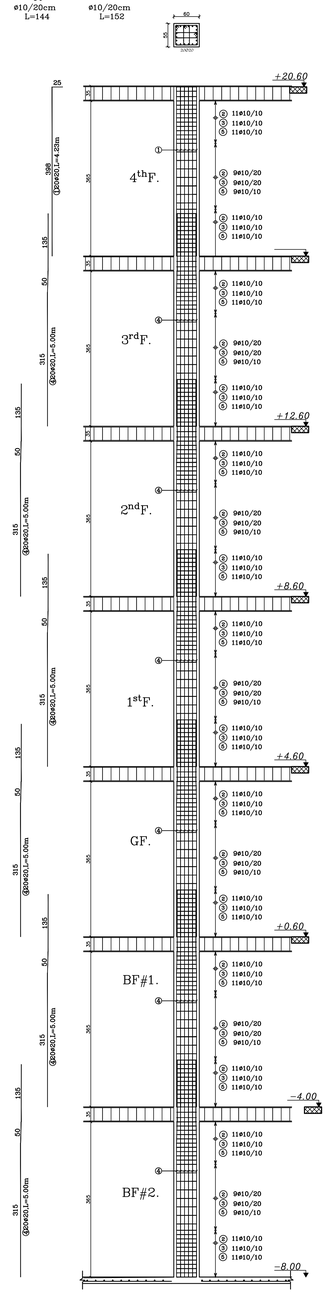
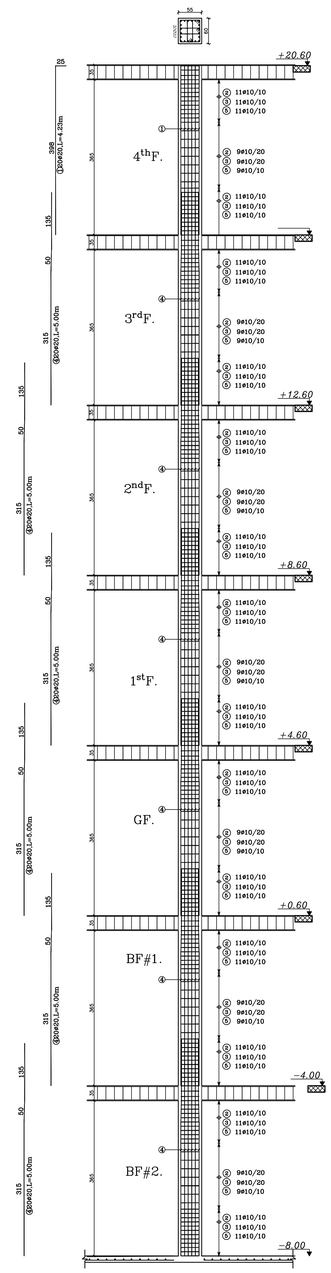



| Group No. | Column No. |
|---|---|
| "G3" | C2 , C3 , C4 , C5 , C6 , C7 , C11 ,C14 , C15 , C16, C19 , C20 , C22 , C24 ,C49 , C52 , C55 ,C69 ,C73 , C90 , C93 , C107, C114, C134 , C169 , C171 , C172 , C184 , C191 , C192 , C193 , C194 , C195 , C196 ,C212 |

"G3(2400KN)"




Project: Hospital

Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:
column detailing

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:107 |

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Project: Hospital

Supervisor: ENG. Hamdi ideas

Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

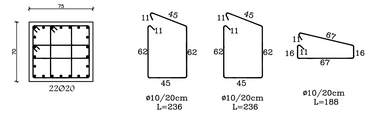
Drawing Title:

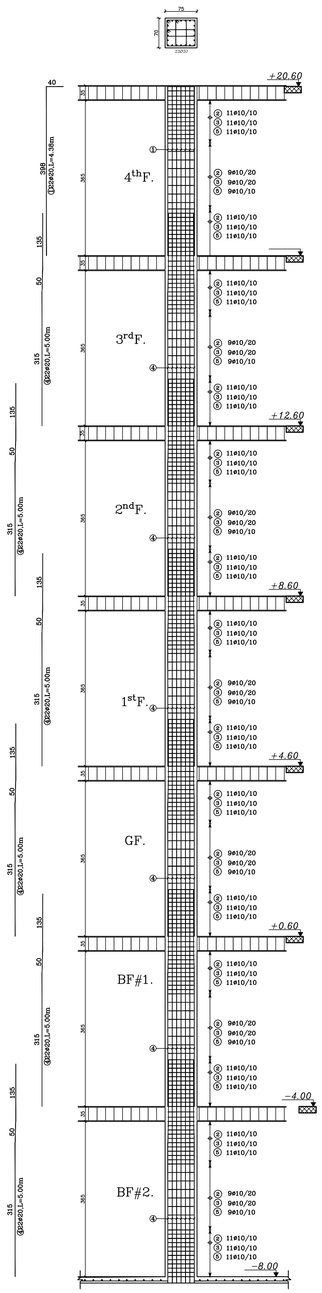
column detailing

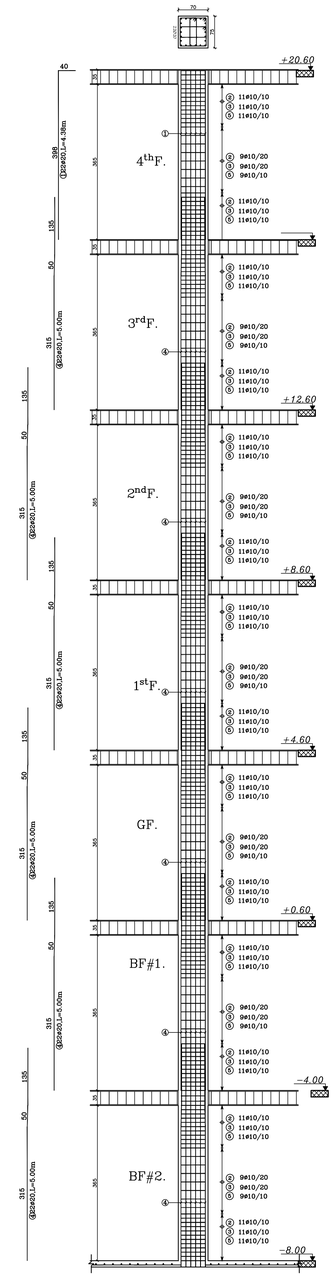
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:108 |

| Group No. | Column No. |
|---|---|
| "G4" | C8 , C12 , C13 ,C17, C18 ,C21 , C25 C68, C70 C72 , C83 , C94 , C103 , C128 , C145 , C146 , C148 ,C154 , C155 , C156 , C157 , C159 , C168, C170 , C173 , C185 ,C187 ,C 211 |

"G4(3200KN)"



Palestine Polytechnic University
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Project: Hospital

Supervisor: ENG. Hamdi ideas

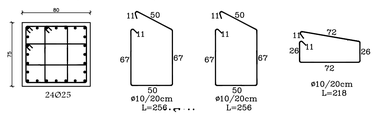
Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

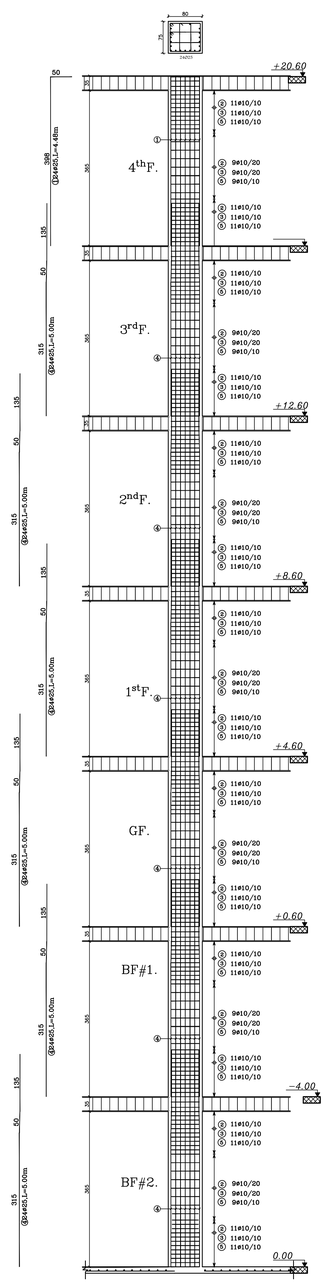
Drawing Title:
column detailing

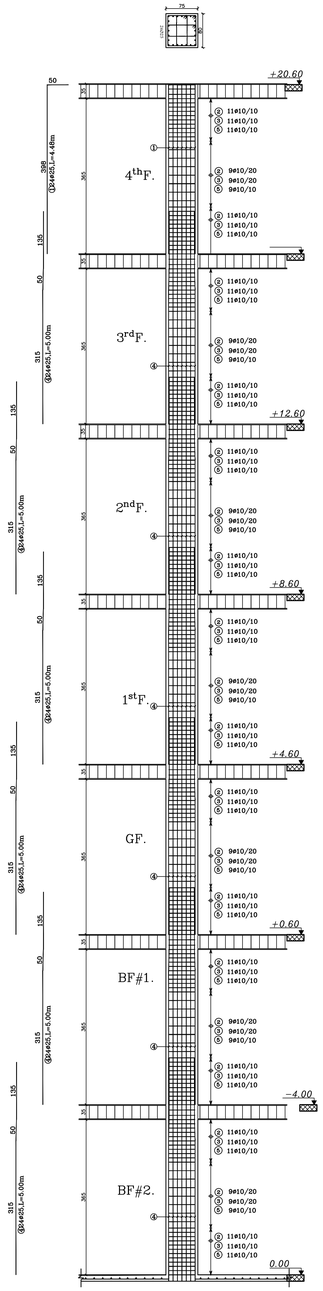
| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:109 |

| Group No. | Column No. |
|---|---|
| "G5" | C48 , C67 ,C104 , C109 , C117 , C118 , C125, C126 , C127 , C129 , C130 , C131, C132, C133 , C140 , C141 , C142 , C143 , C144 , C147 , C167 , C174 , 182, C183 ,C 186 |

"G5(4000KN)"



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Project: Hospital

Supervisor: ENG. Hamdi ideas

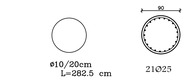
Done By:
Mohammad Abo Tuhfa
Mahmud Masri
Yazan Frijat
Zaid Abo Lawi

Drawing Title:

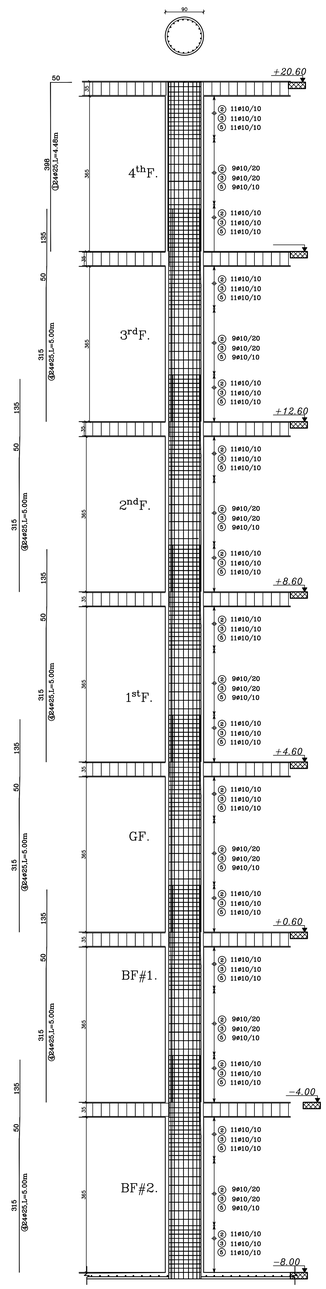
column detailing

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:110 |

"G6 (circular)"




| Group No. | Column No. |
|---|---|
| "G6" | C53 , C54 , C84 , C85 , C105 , C106 ,C115 , C116 |



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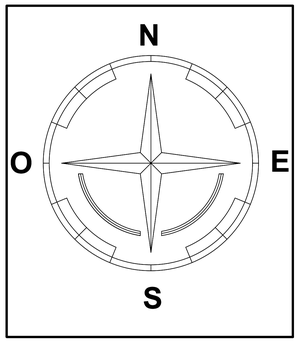
Civil Engineering




**Project: Hospital**

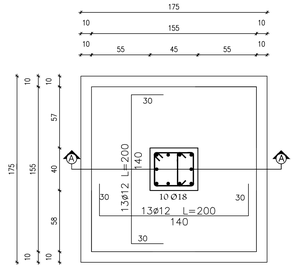
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

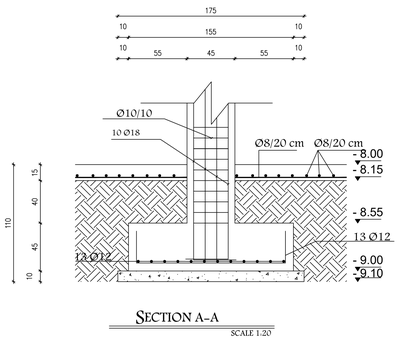
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:111 |

## ISOLATED FOOTING - F1 (1.55×1.55)m

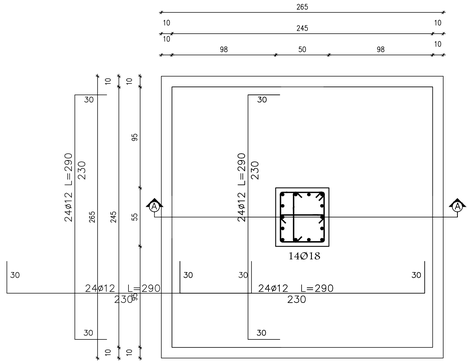



BOTTOM REINFORCEMENT




SECTION A-A
SCALE 1:20

## ISOLATED FOOTING - F2 (2.45×2.45)m

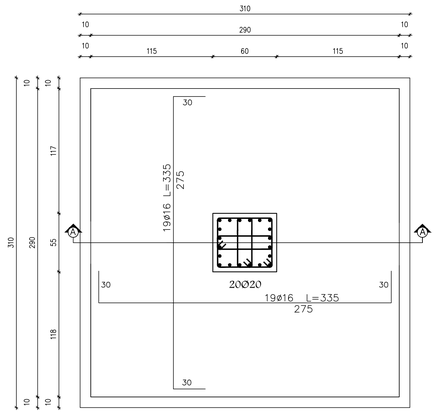



BOTTOM REINFORCEMENT

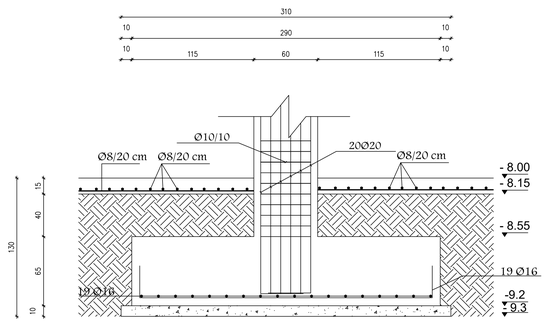



SECTION A-A
SCALE 1:20

## ISOLATED FOOTING - F3 (2.9×2.9)m




BOTTOM REINFORCEMENT




SECTION A-A
SCALE 1:20

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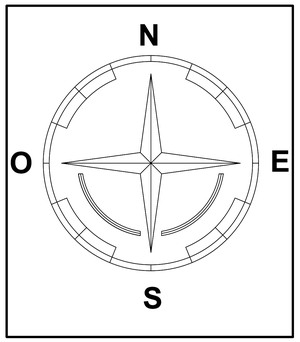
Civil Engineering




Project: Hospital

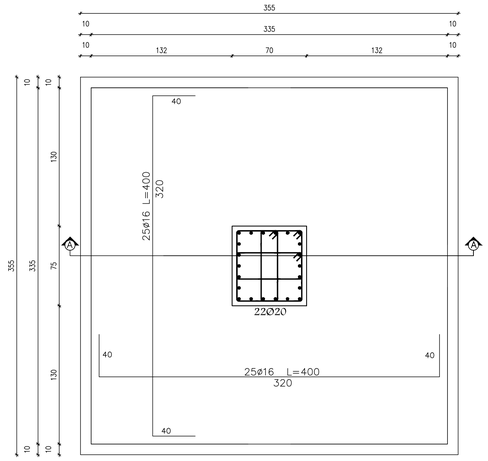
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:112 |

## ISOLATED FOOTING - F4 (3.35×3.35)m

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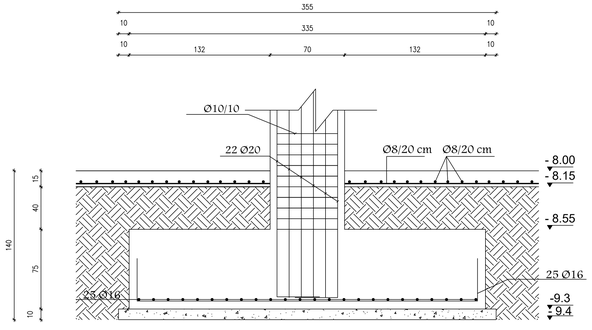
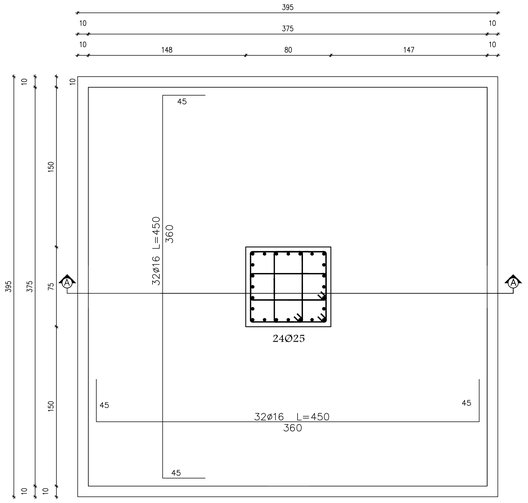
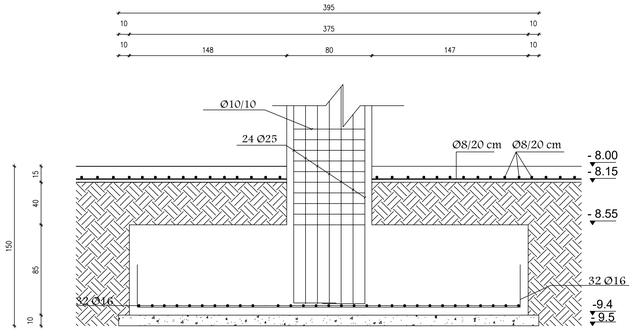



SECTION A-A
SCALE 1:20

## ISOLATED FOOTING - F5 (3.75×3.75)m

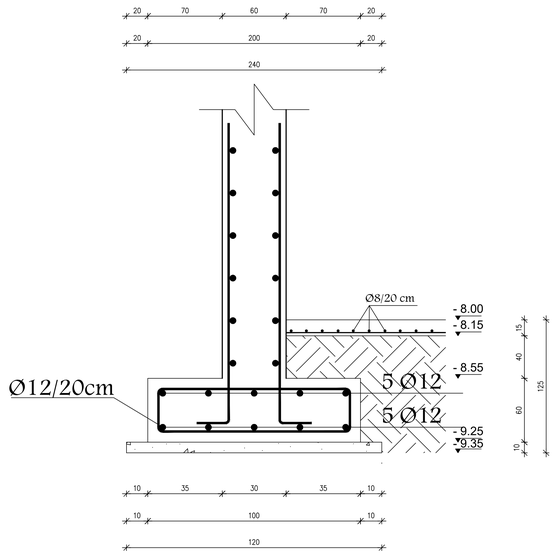



BOTTOM REINFORCEMENT




SECTION A-A
SCALE 1:20

## Strip Footing 1 Detail




SECTION 1-1
SCALE 1:20

Palestine Polytechnic University
College of Engineering
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N
O E
S

Project: Hospital

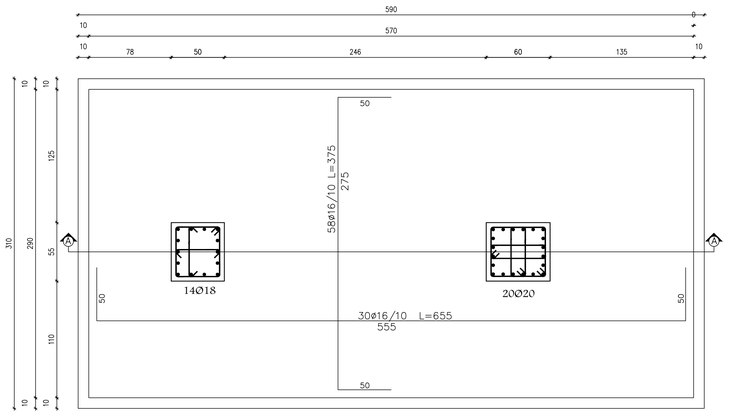
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:113 |

## COMBINED FOOTING - CF1 (5.7×2.9)m

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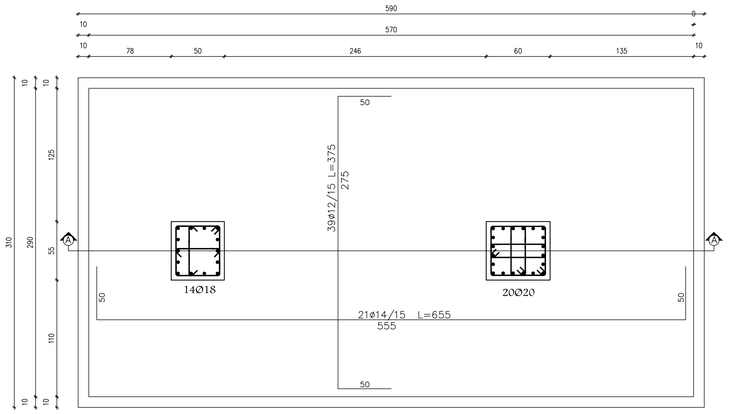


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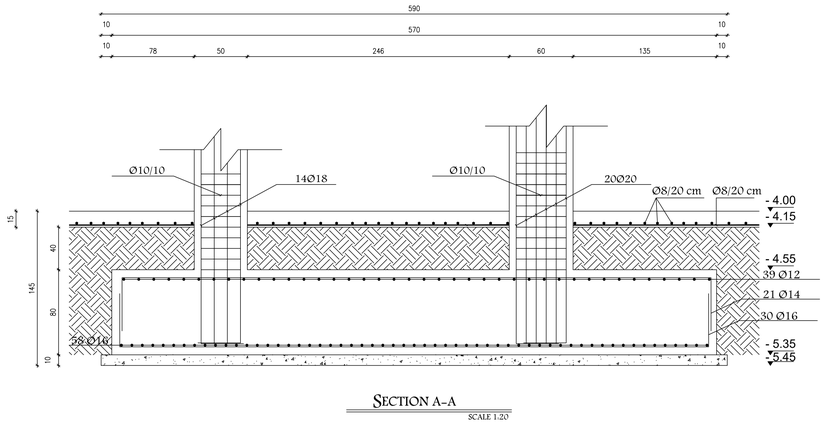
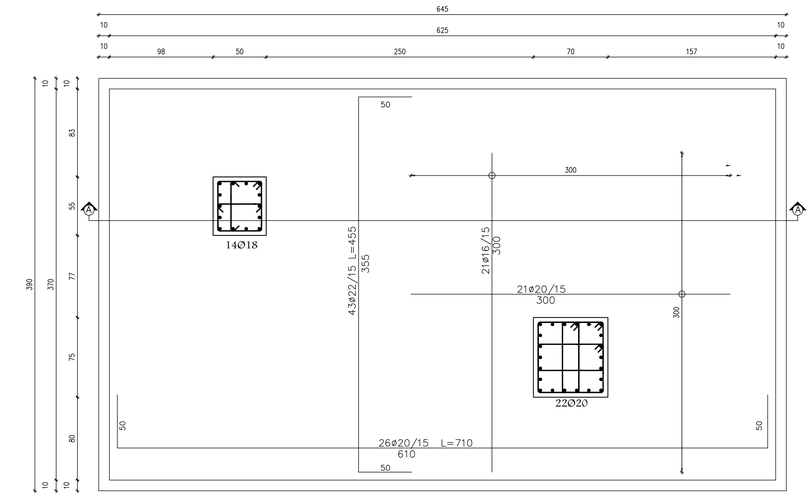



SECTION A-A
SCALE 1:20

## COMBINED FOOTING - CF2 (6.25×3.7)m

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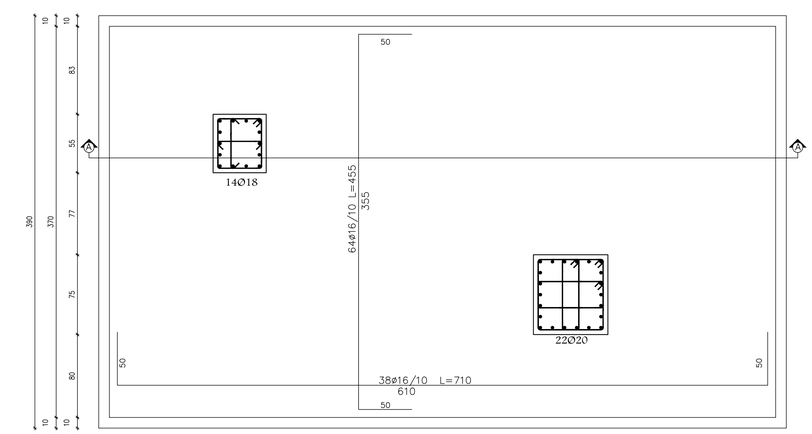


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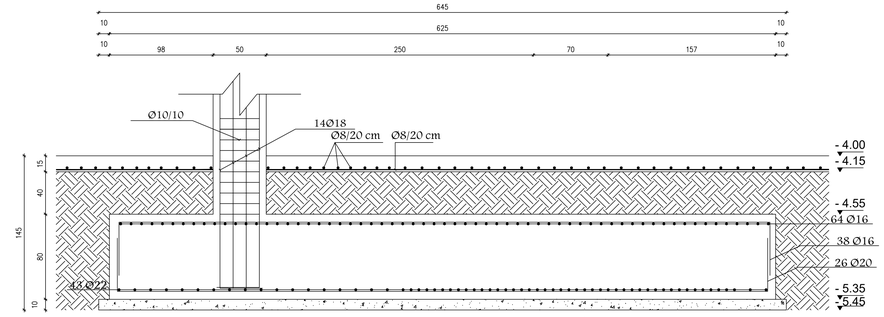


SECTION A-A
SCALE 1:20

Palestine Polytechnic University
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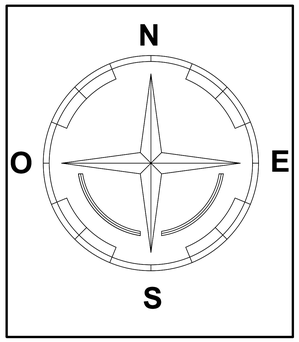



**Project: Hospital**

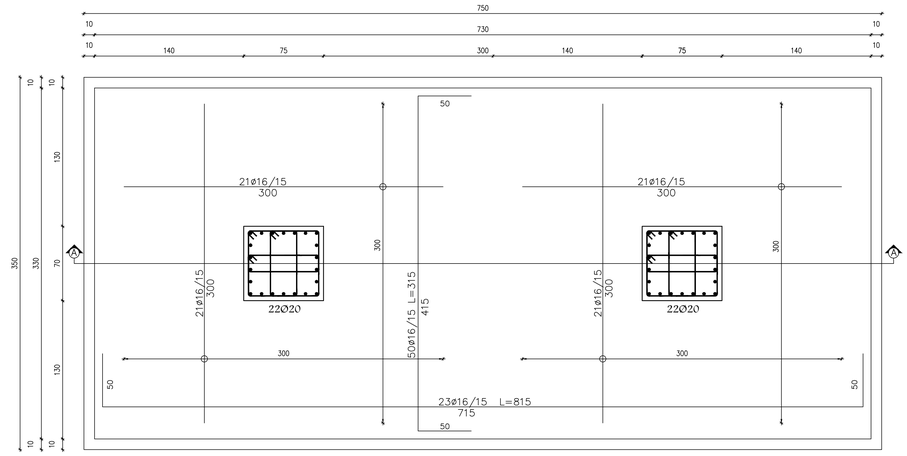
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

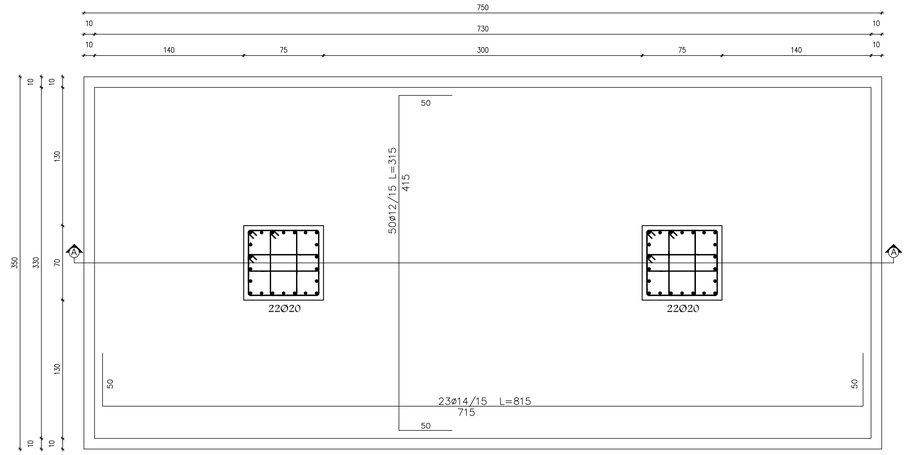
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:114 |

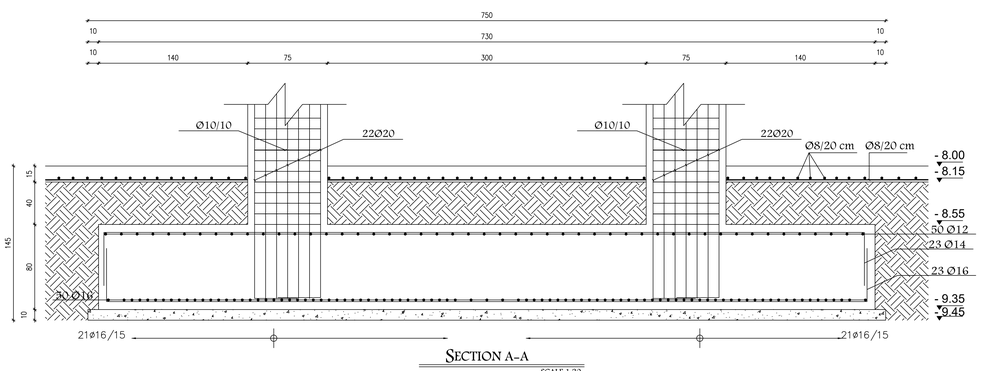
## COMBINED FOOTING - CF3 (7.3×3.3)m




BOTTOM REINFORCEMENT

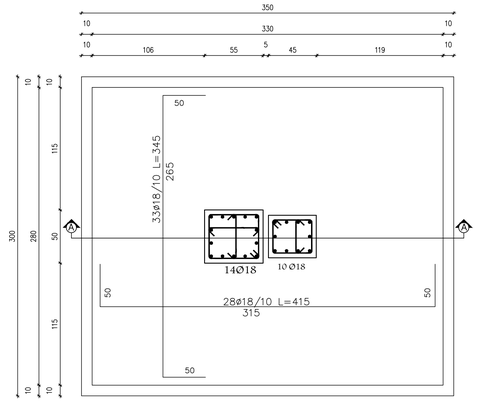



TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

## COMBINED FOOTING - CF4 (3.3×2.8)m

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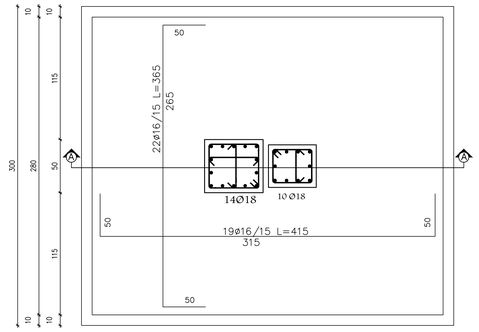


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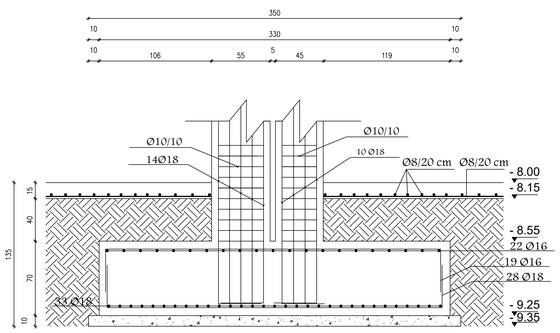


SECTION A-A
SCALE 1:20

Palestine Polytechnic University
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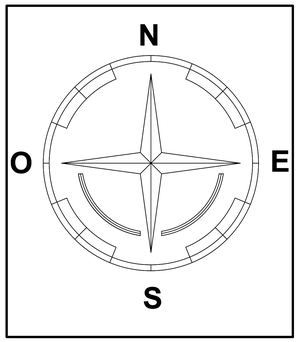
Civil Engineering




Project: Hospital

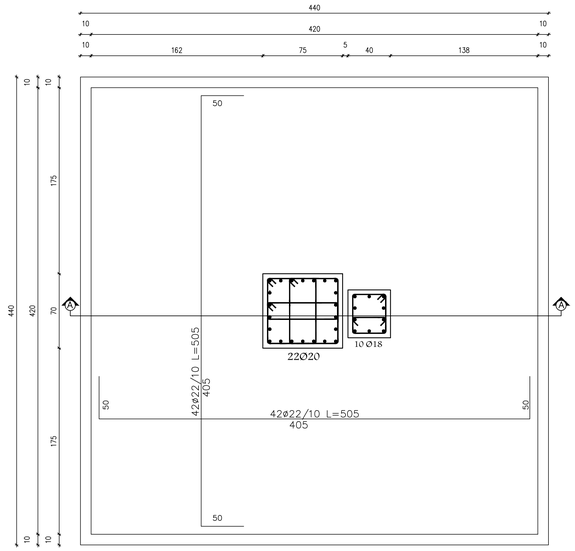
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:115 |

## COMBINED FOOTING - CF5 (4.2×4.2)m

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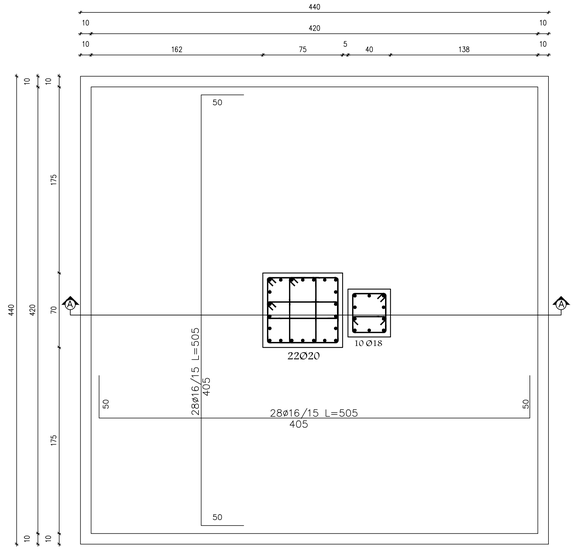


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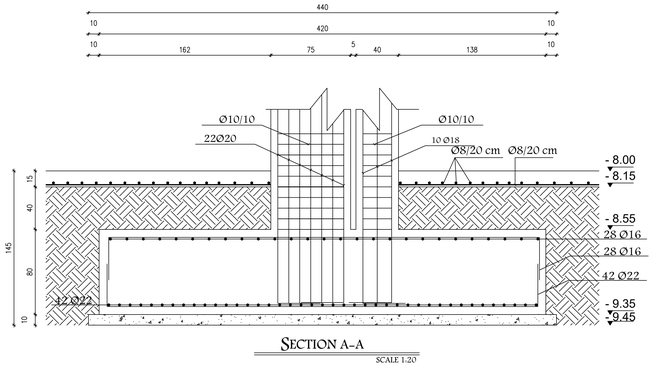
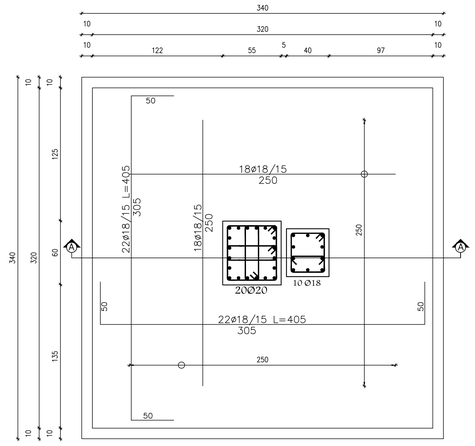



SECTION A-A
SCALE 1:20

## COMBINED FOOTING - CF6(3.2×3.2)m

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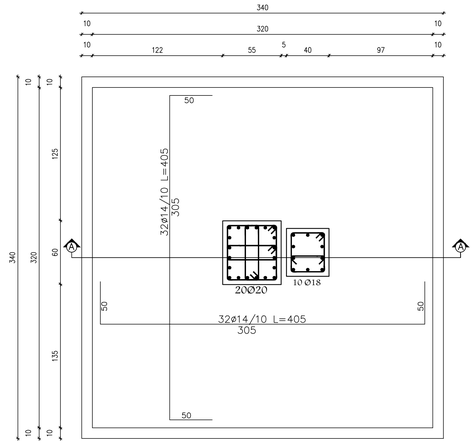


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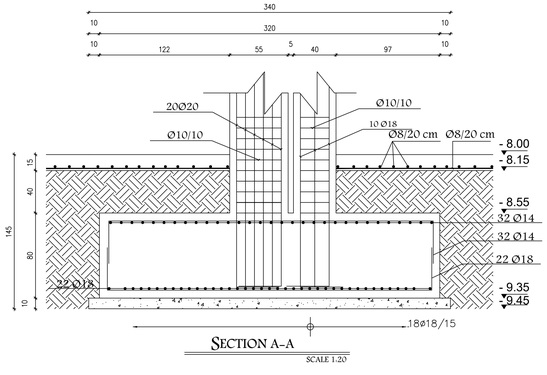
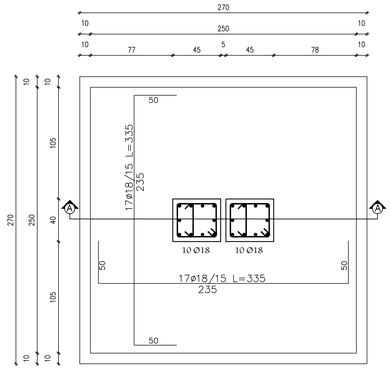



SECTION A-A
SCALE 1:20

## COMBINED FOOTING - CF7(2.5×2.5)m

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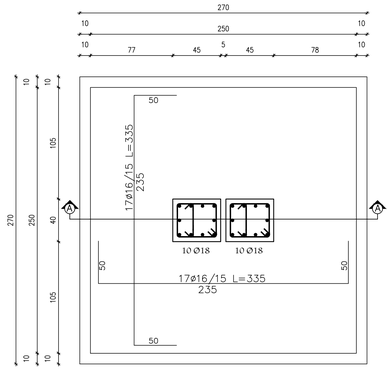


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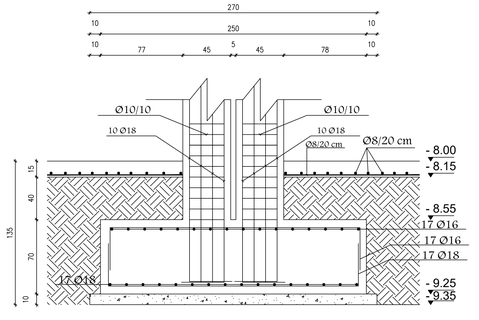

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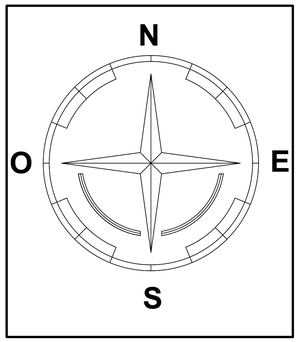



Project: Hospital

Supervisor:
ENG. Hamdi Ideas

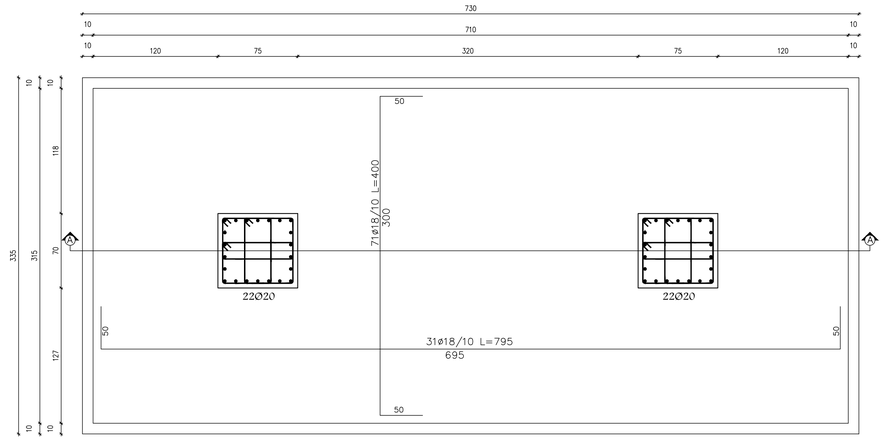
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:

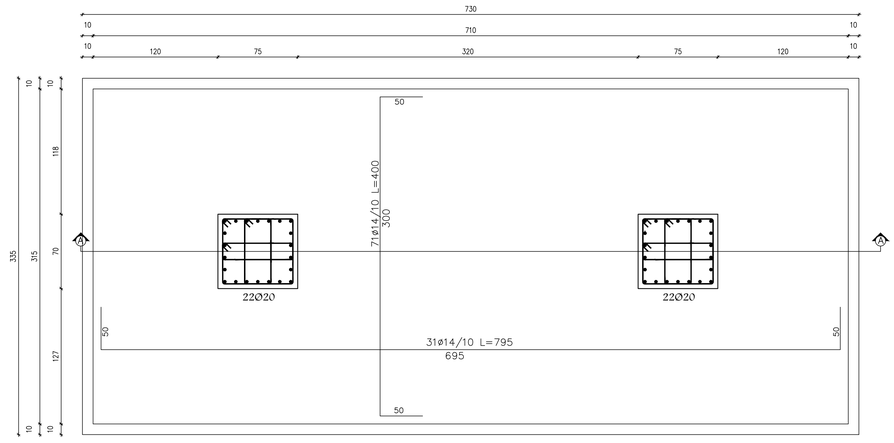
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:116 |

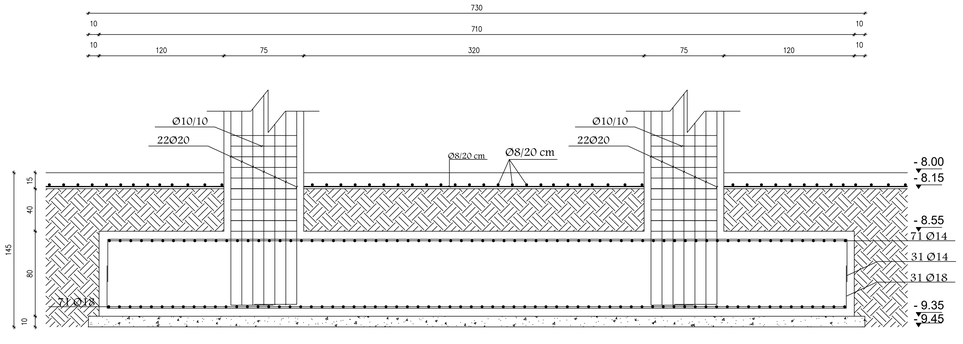
## COMBINED FOOTING - CF8(7.1×3.15)m




BOTTOM REINFORCEMENT

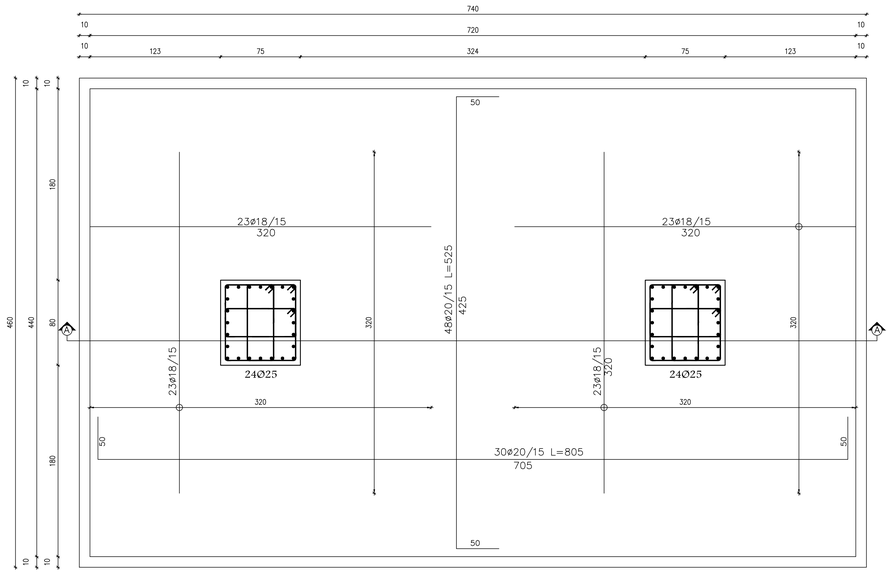



TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

## COMBINED FOOTING - CF9(7.2×4.4)m

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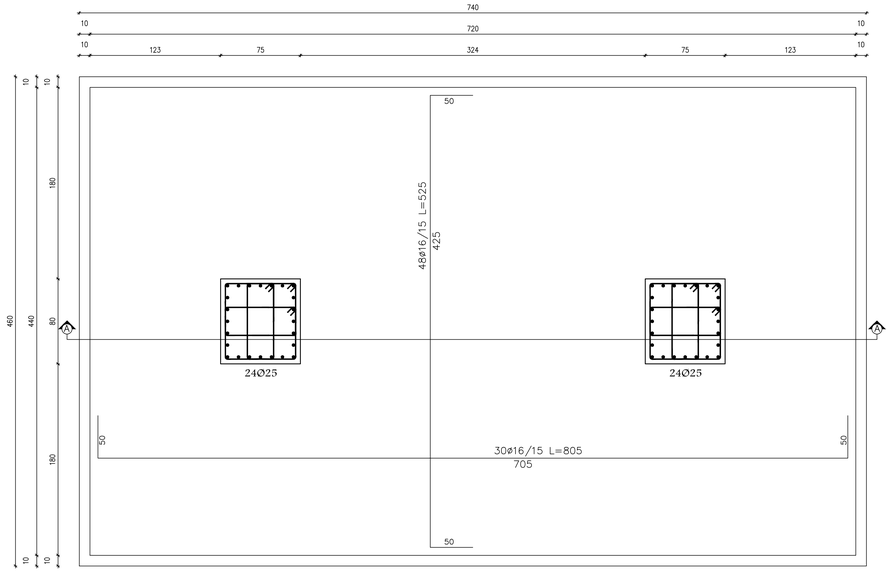


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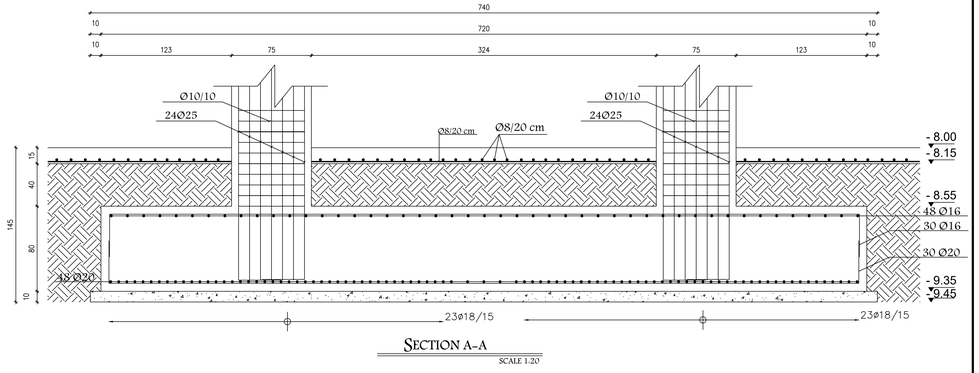


SECTION A-A
SCALE 1:20

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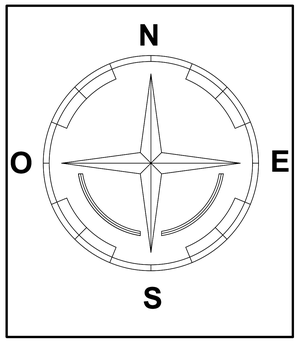



**Project: Hospital**

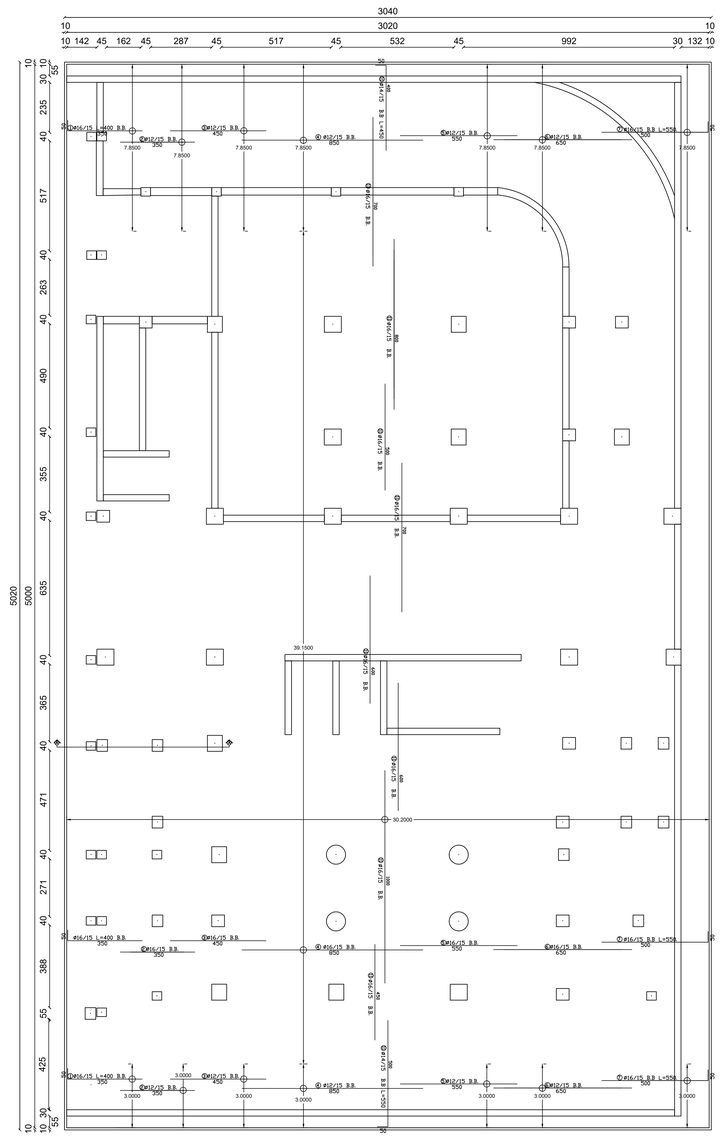
Supervisor:
ENG. Hamdi Ideas

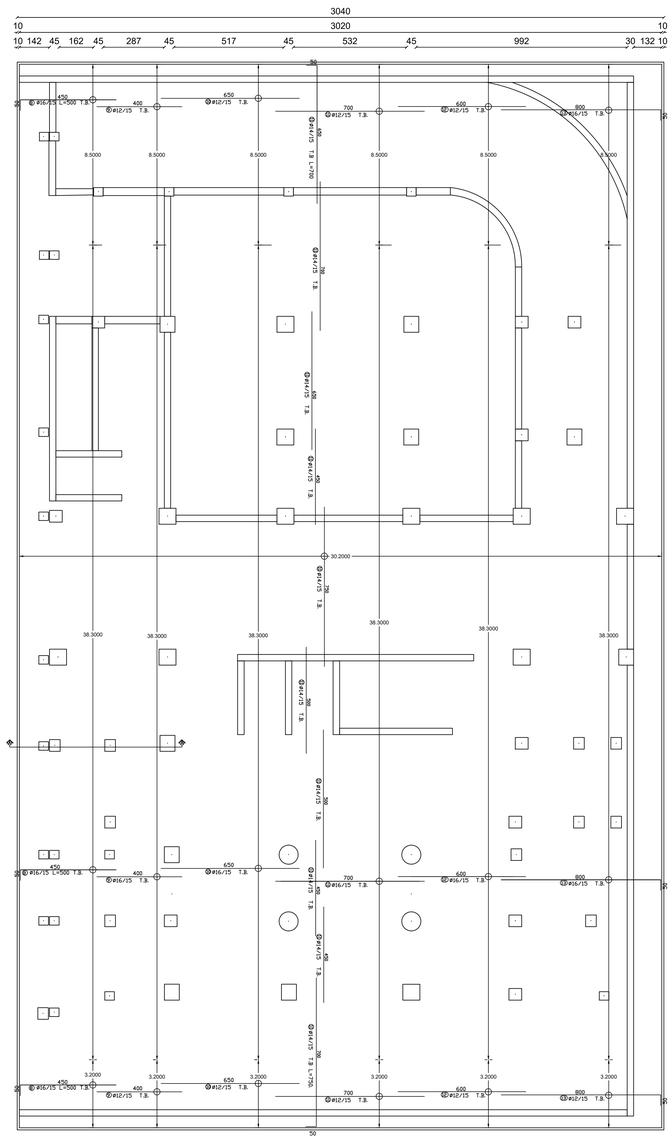
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

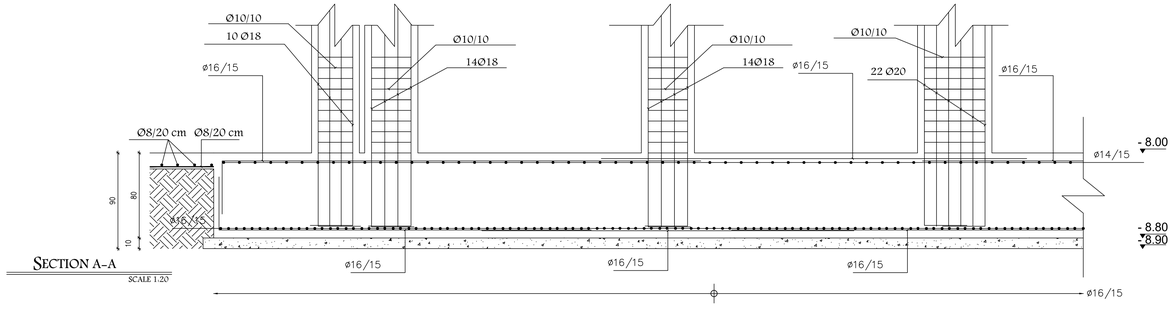
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:117 |

## MAT FOUNDATION **1** (30.4×50.2)m



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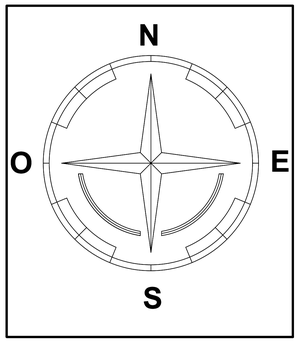



Project: Hospital

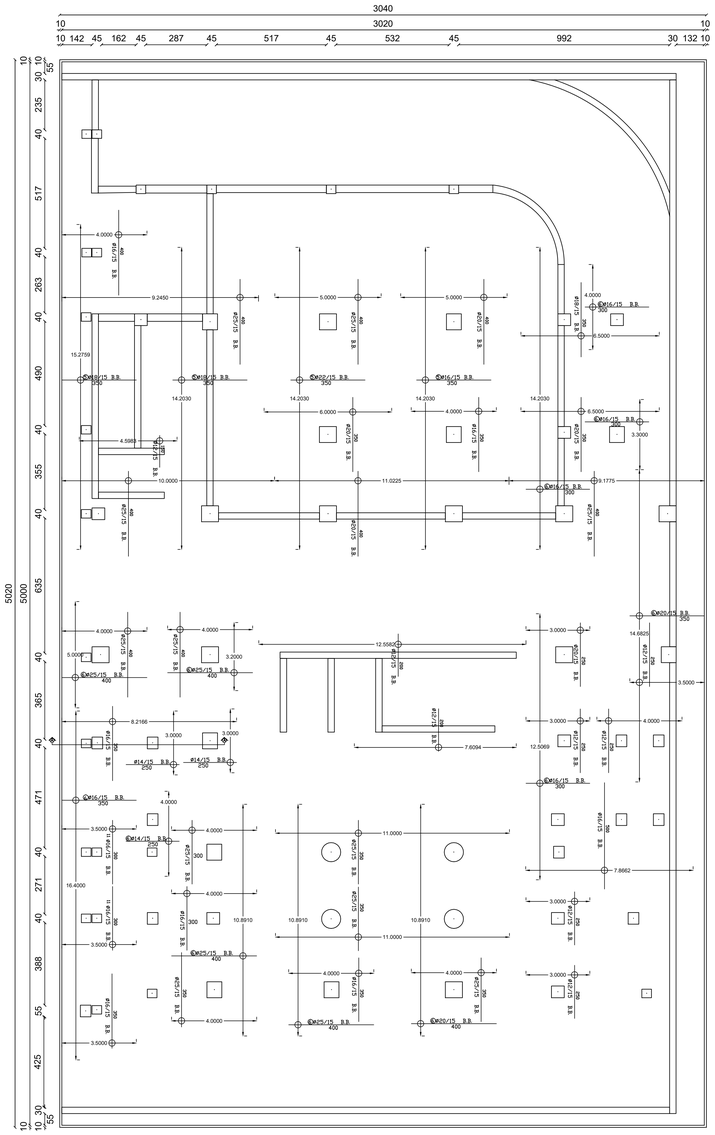
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

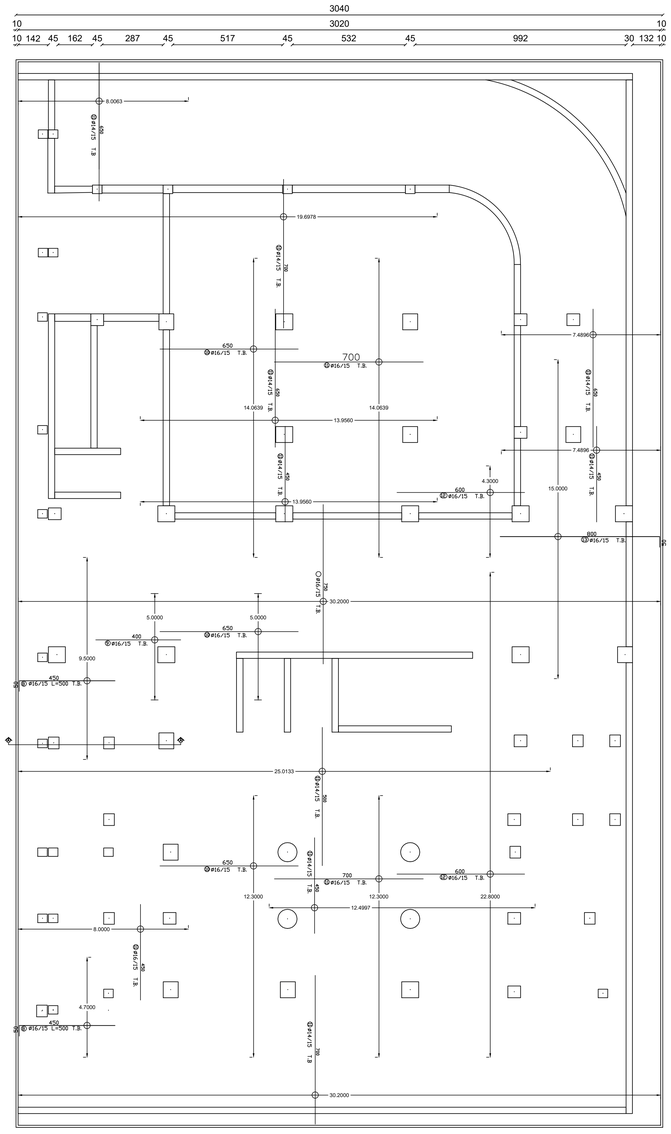
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:118 |

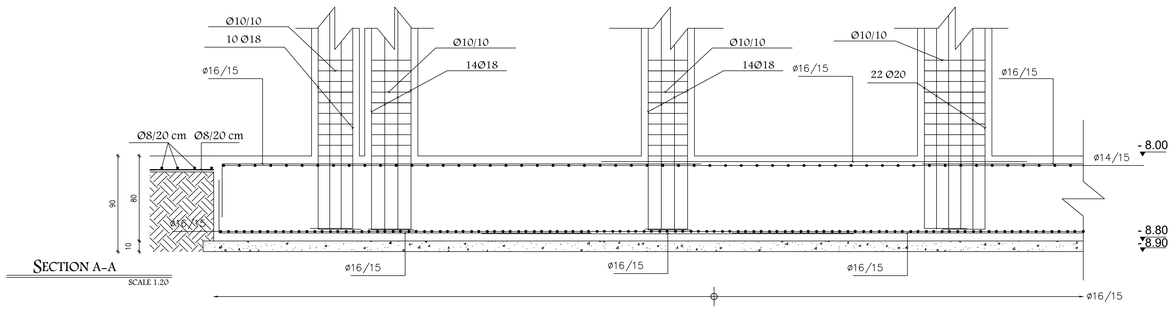
## MAT FOUNDATION 1 (30.4×50.2)m




ADDITIONAL BOOTOM Reinforcement




ADDITIONAL TOP Reinforcement




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
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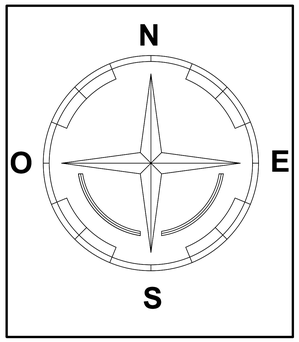
Civil Engineering




Project: Hospital

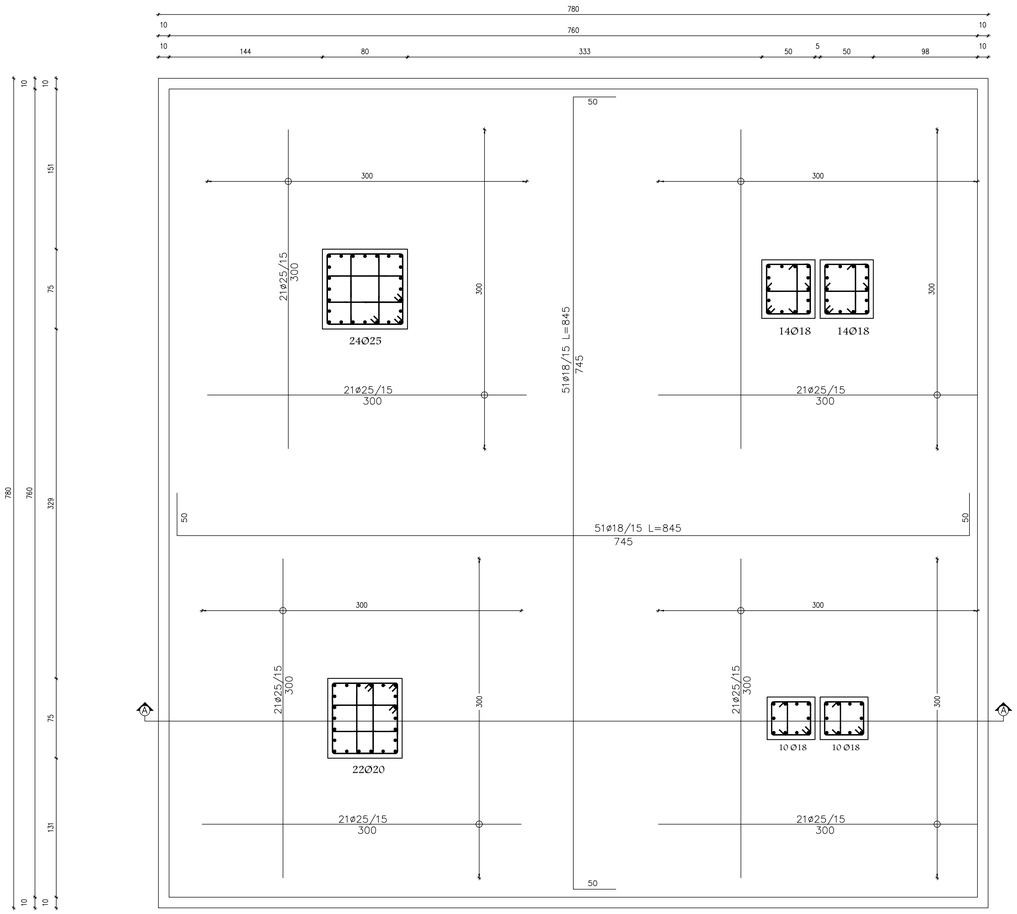
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

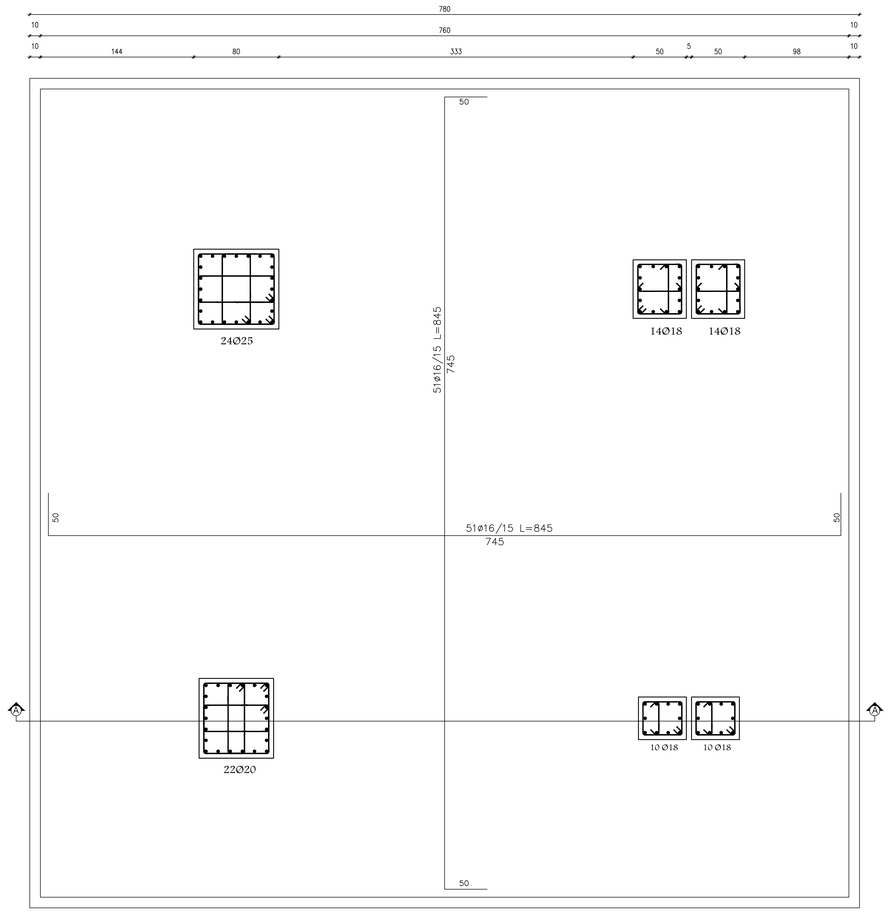
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:119 |

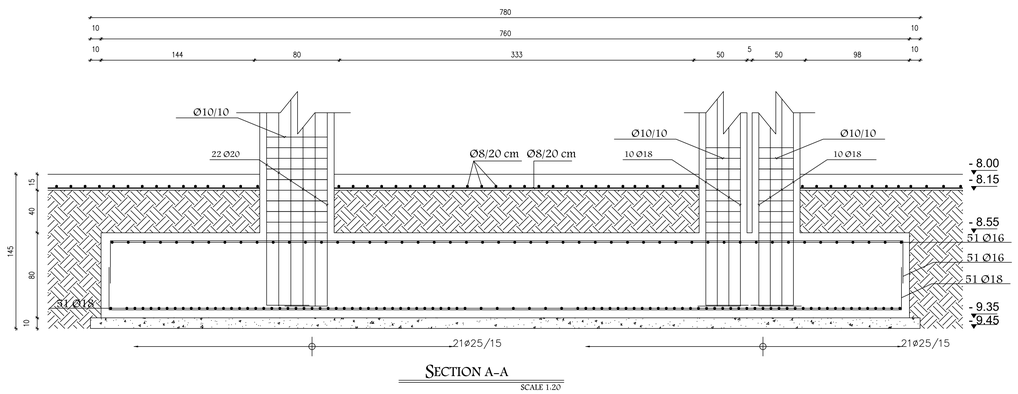
## MAT FOUNDATION 2 (7.6×7.6)m




BOTTOM REINFORCEMENT




TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

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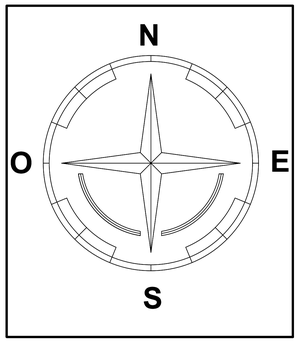
Civil & Architecture Department
Civil Engineering




Project: Hospital

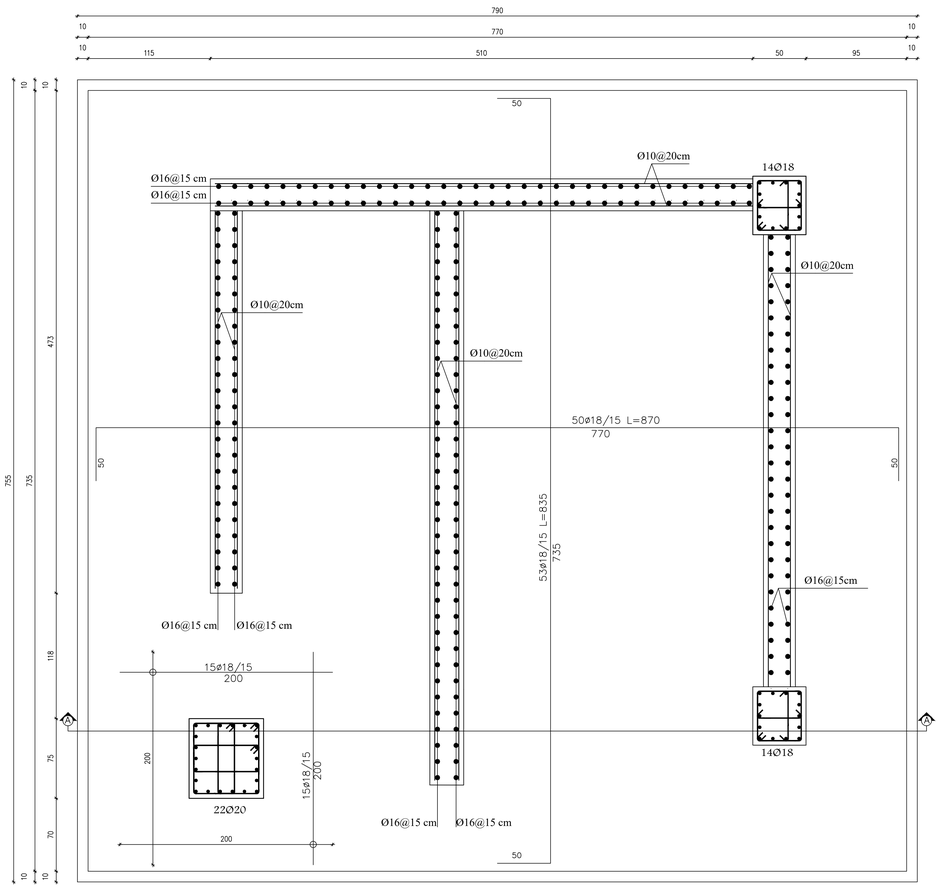
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

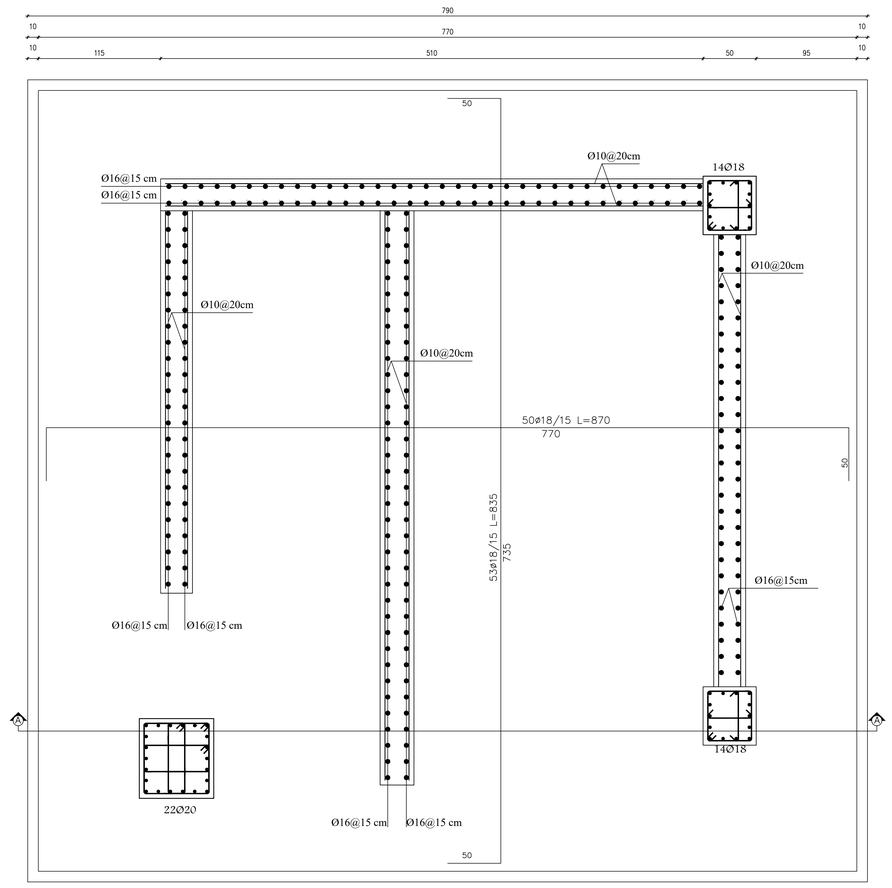
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:120 |

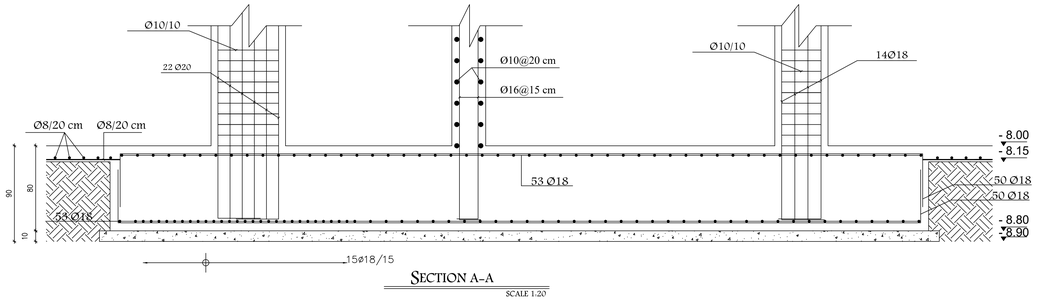
# MAT FOUNDATION **3** (7.7×7.35)m




BOTTOM REINFORCEMENT




TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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Project: Hospital

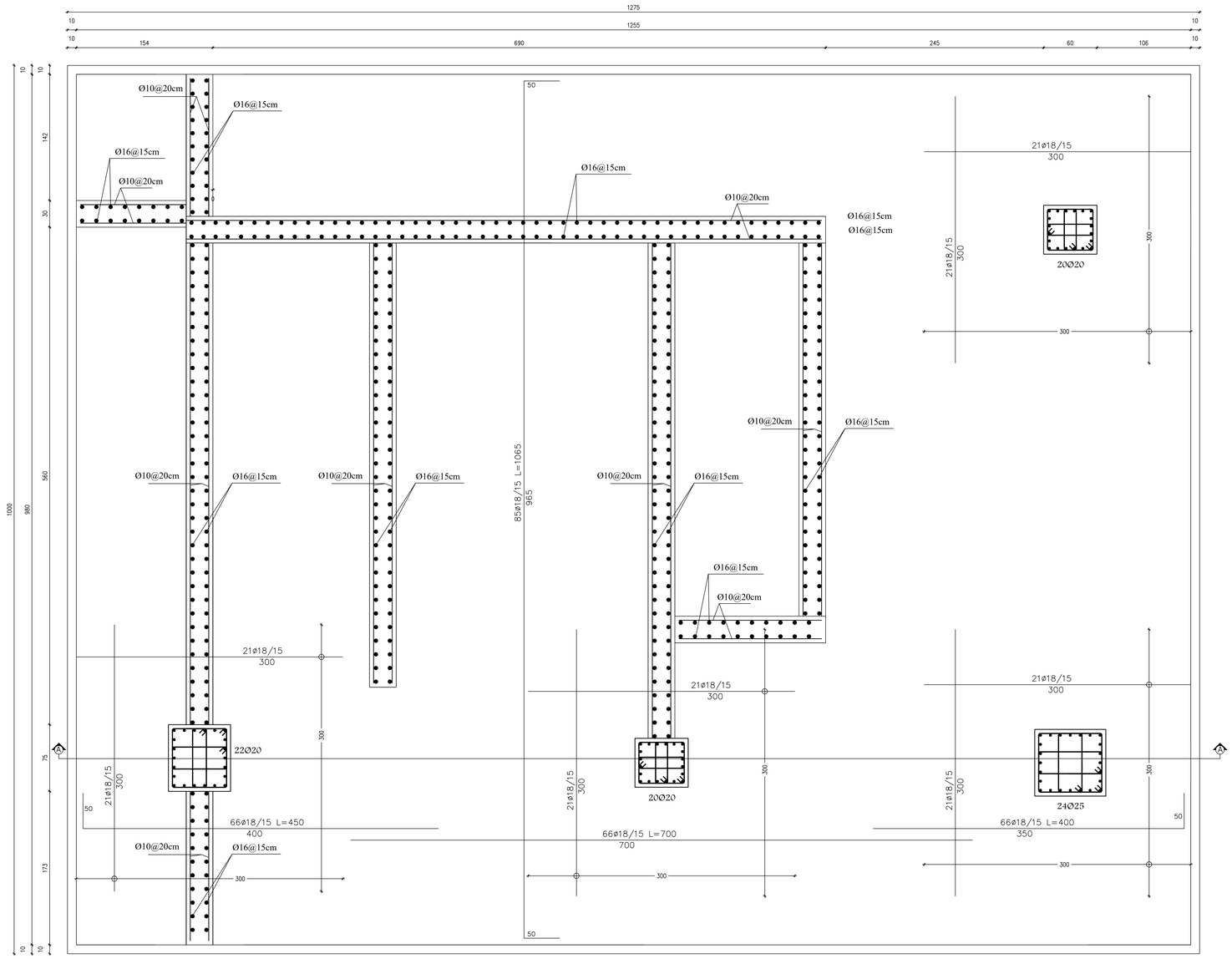
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

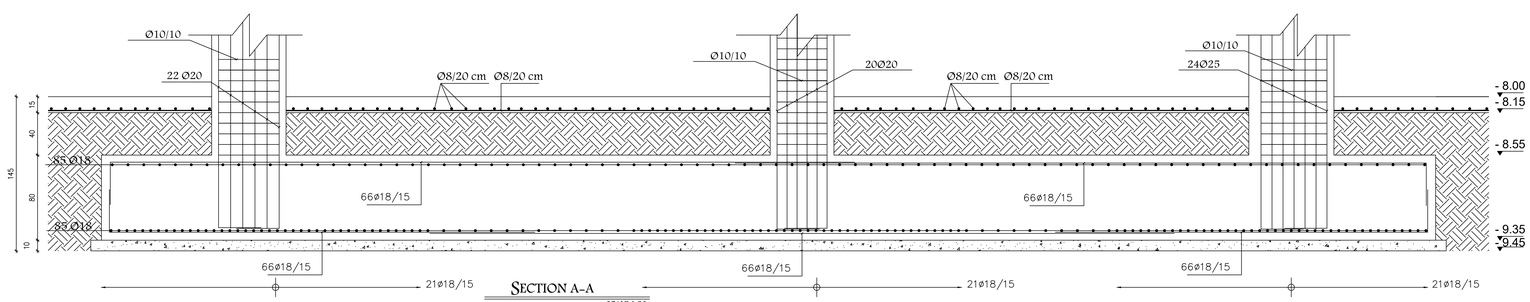
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:121 |

## MAT FOUNDATION 4 (12.55×9.8)m

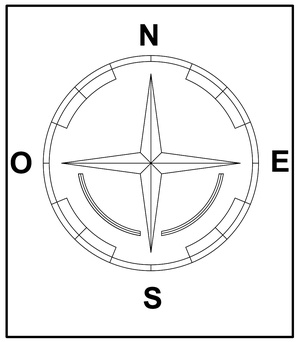



BOTTOM REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering




Project: Hospital

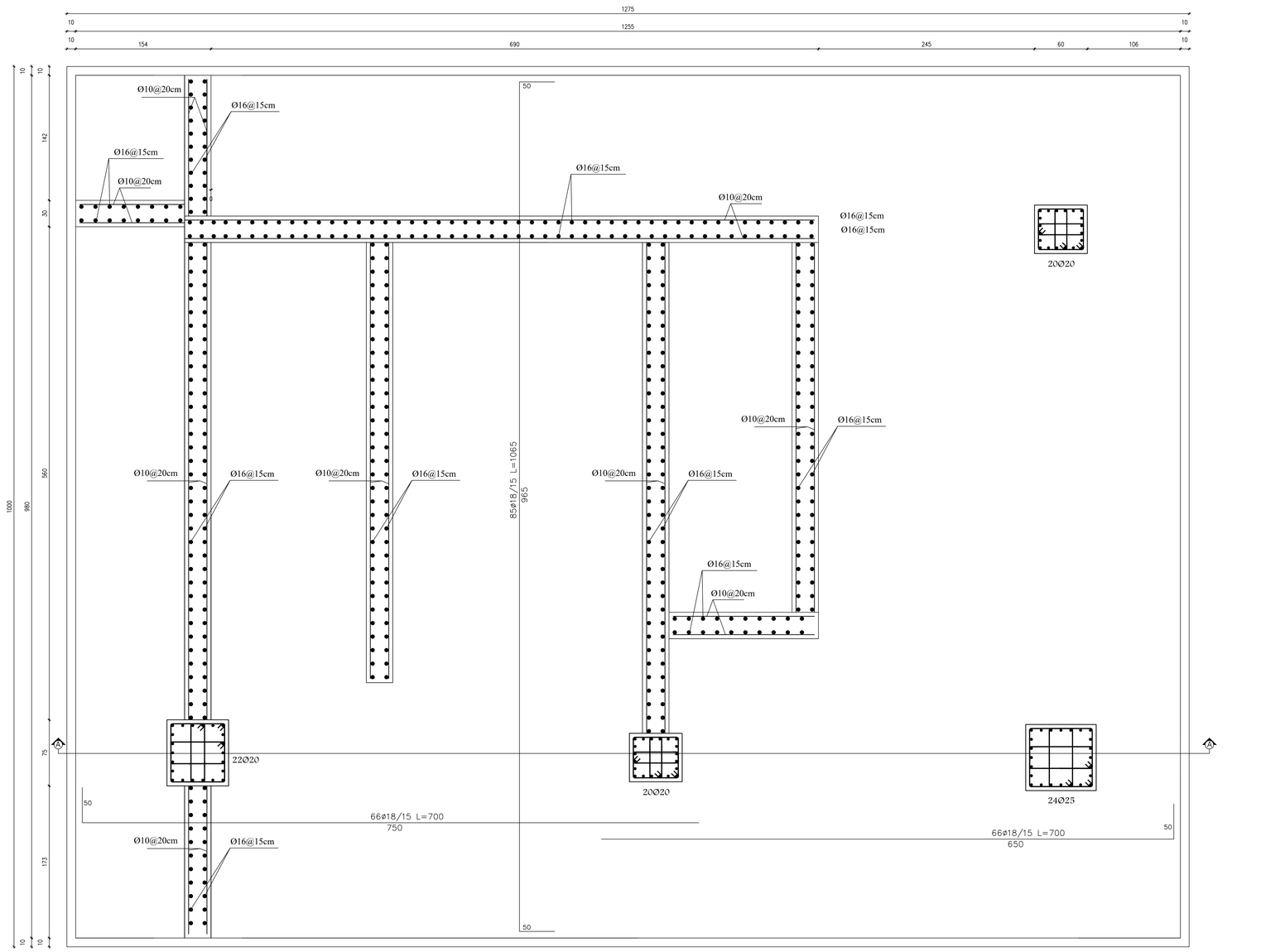
Supervisor:
ENG. Hamdi Ideas

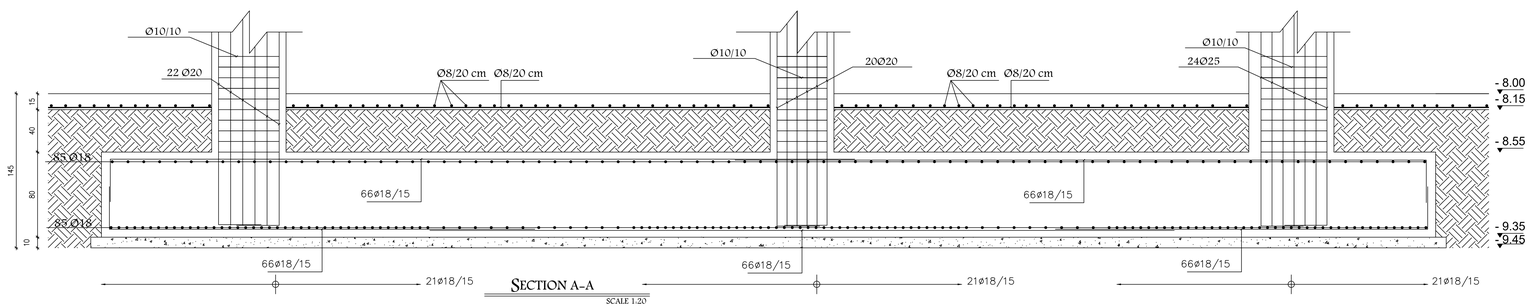
Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:122 |

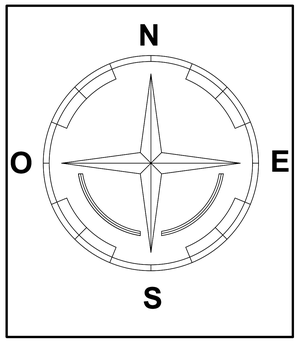
## MAT FOUNDATION 4 (12.55×9.8)m




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering




Project: Hospital

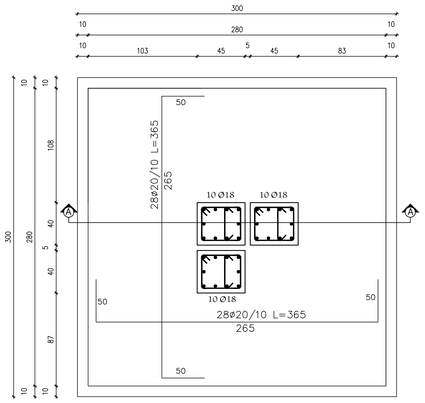
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

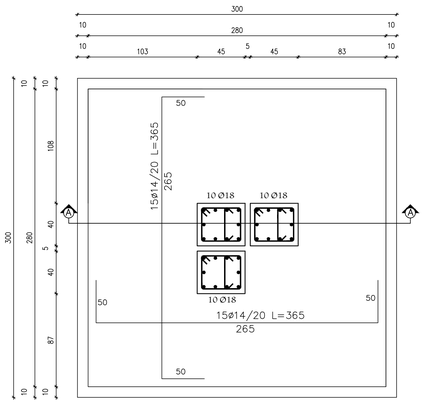
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:123 |

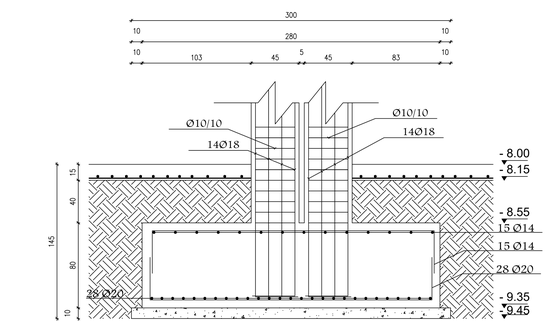
## MAT FOUNDATION **5** (2.8×2.8)m




BOTTOM REINFORCEMENT

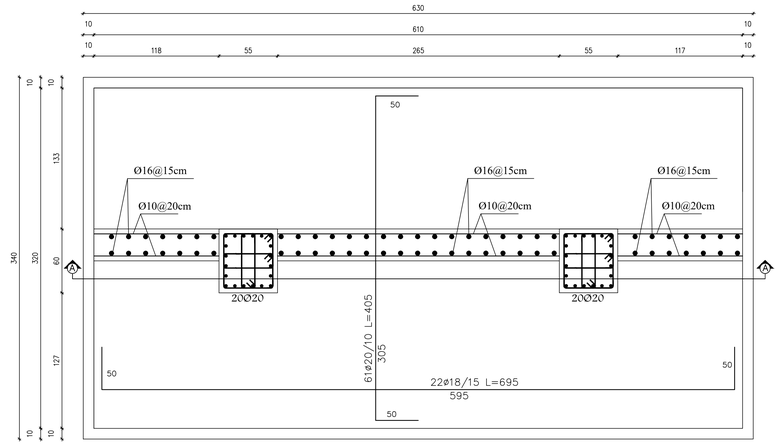



TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

## MAT FOUNDATION **12** (6.1×3.2)m

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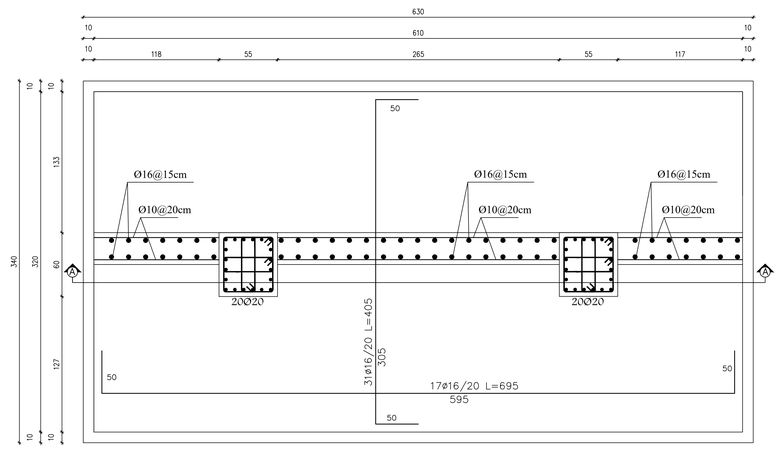
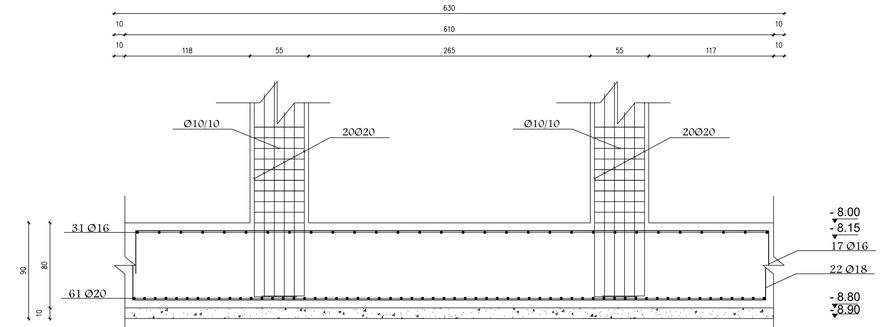



TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
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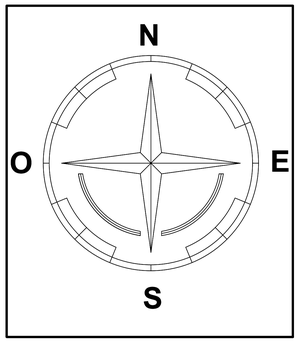



Project: Hospital

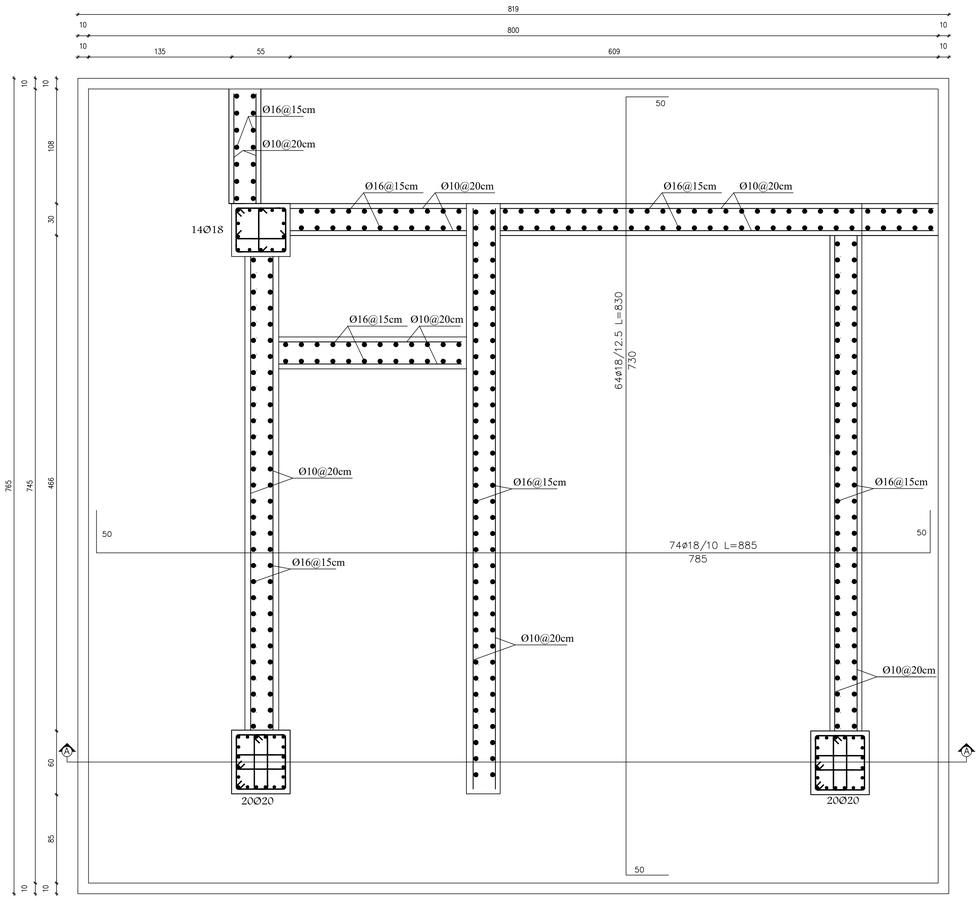
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:124 |

## MAT FOUNDATION **6** (8×7.45)m

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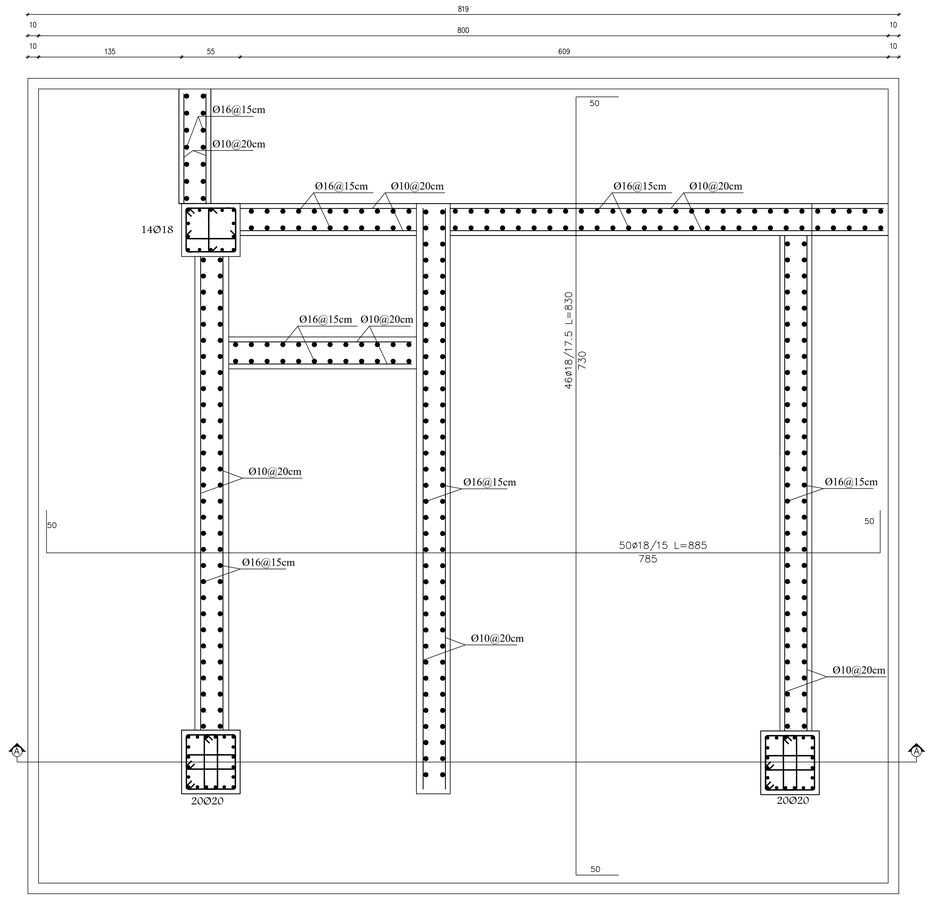


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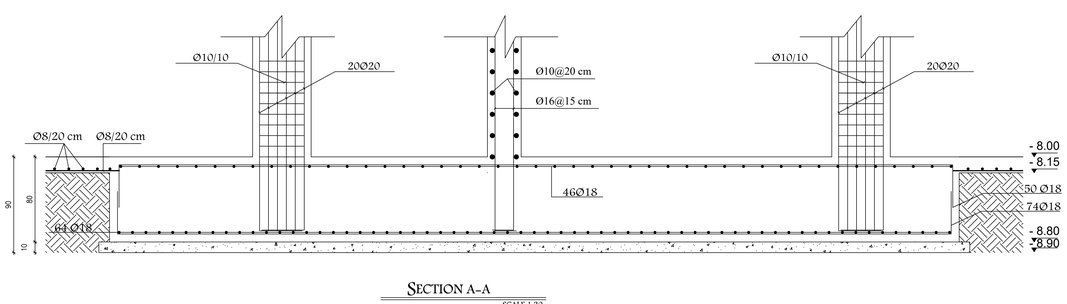


SECTION A-A
SCALE 1:20

Palestine Polytechnic University
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Project: Hospital

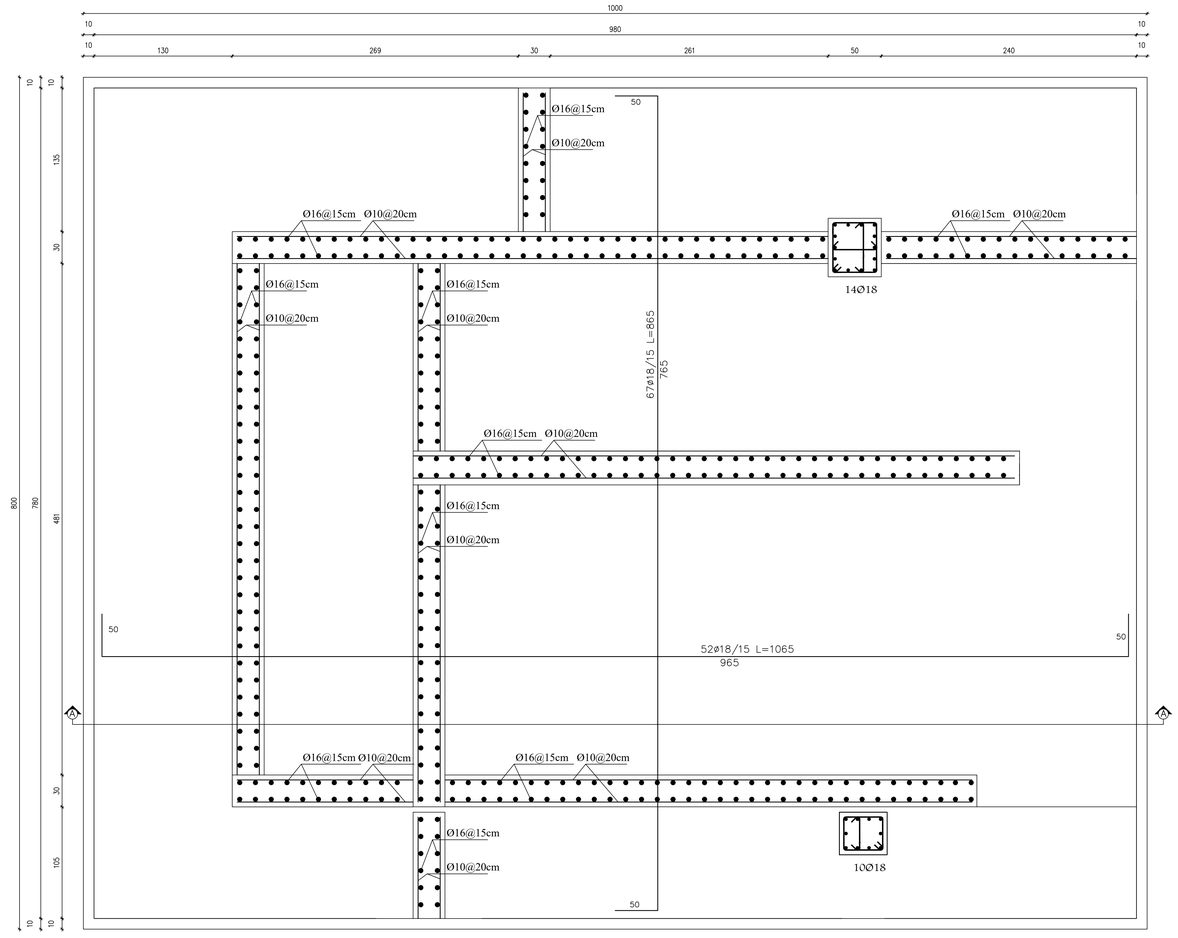
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

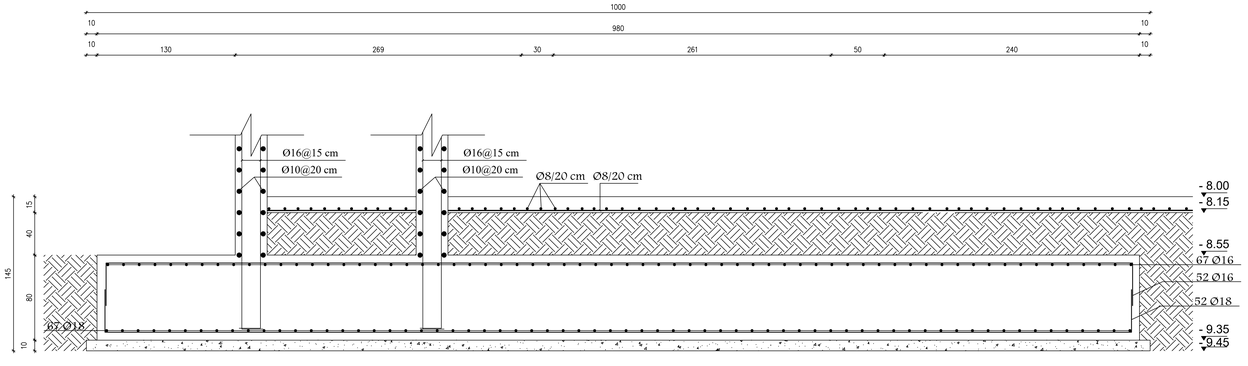
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:125 |

# MAT FOUNDATION 7(9.8×7.8)m




BOTTOM REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
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Civil & Architecture Department
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Project: Hospital

Supervisor:
ENG. Hamdi Ideas

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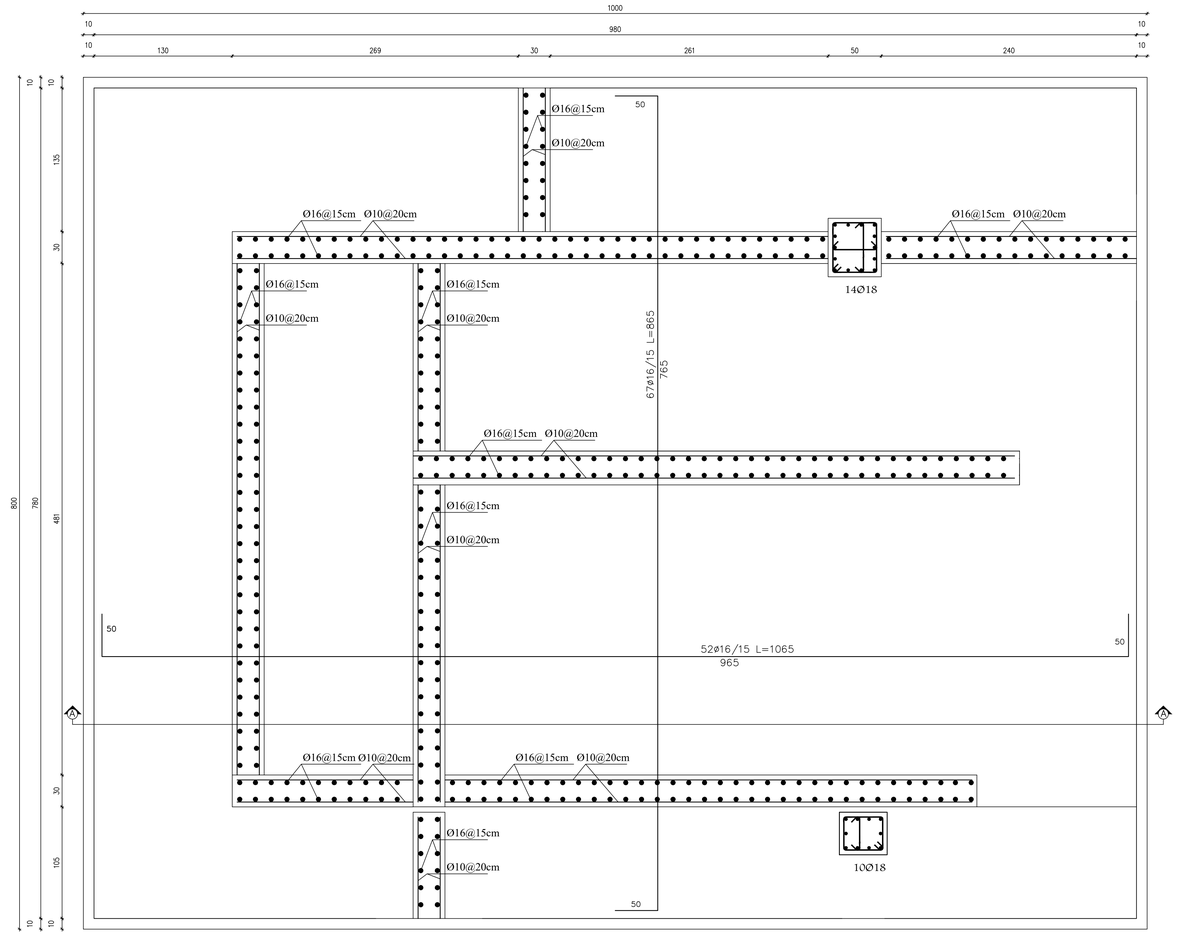
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

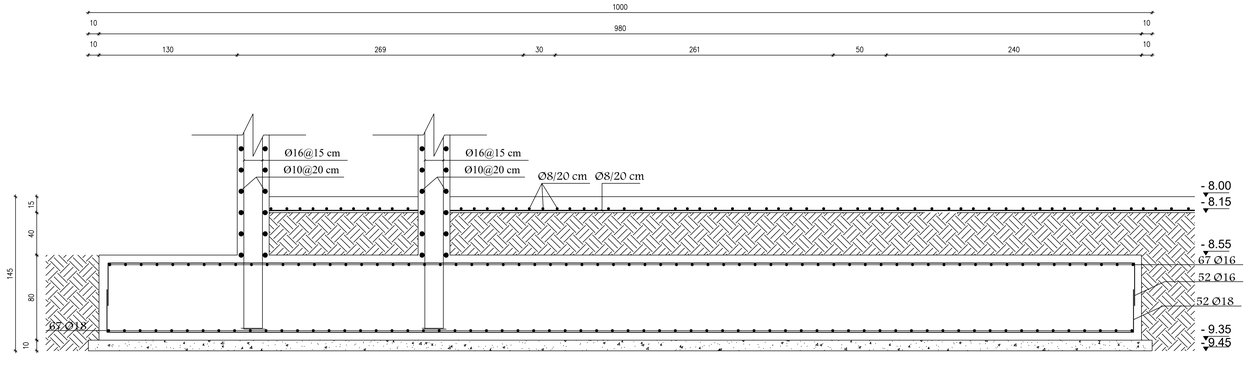
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:126 |

# MAT FOUNDATION 7(9.8×7.8)m




TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
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Civil & Architecture Department
Civil Engineering

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Project: Hospital

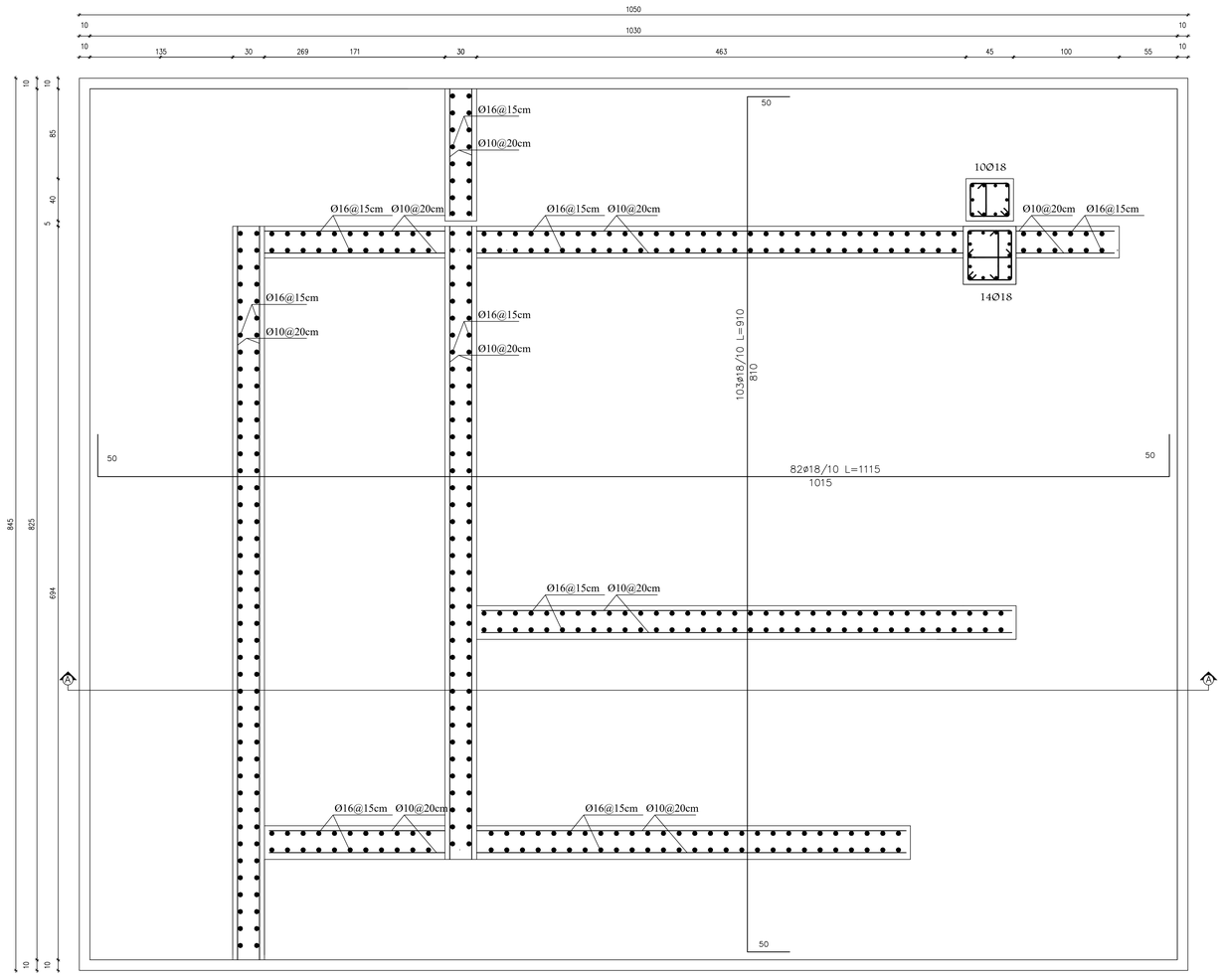
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

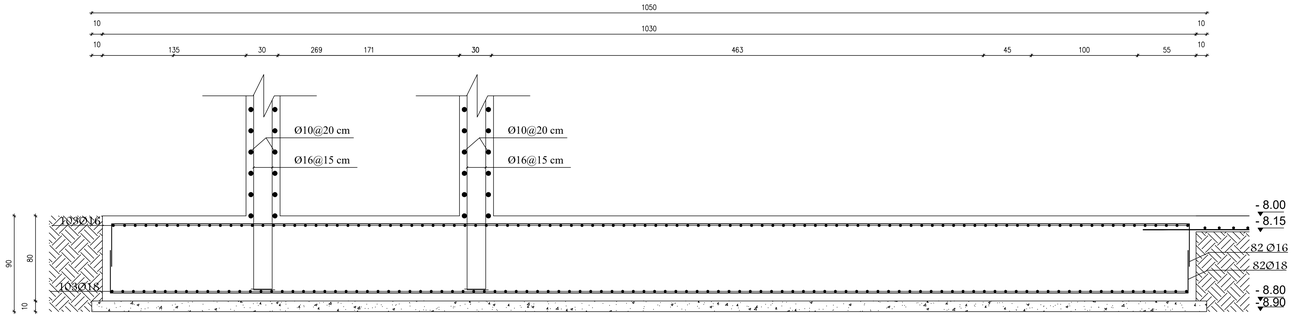
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:127 |

# MAT FOUNDATION 8 (10.3×8.25)m




BOTTOM REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
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Project: Hospital

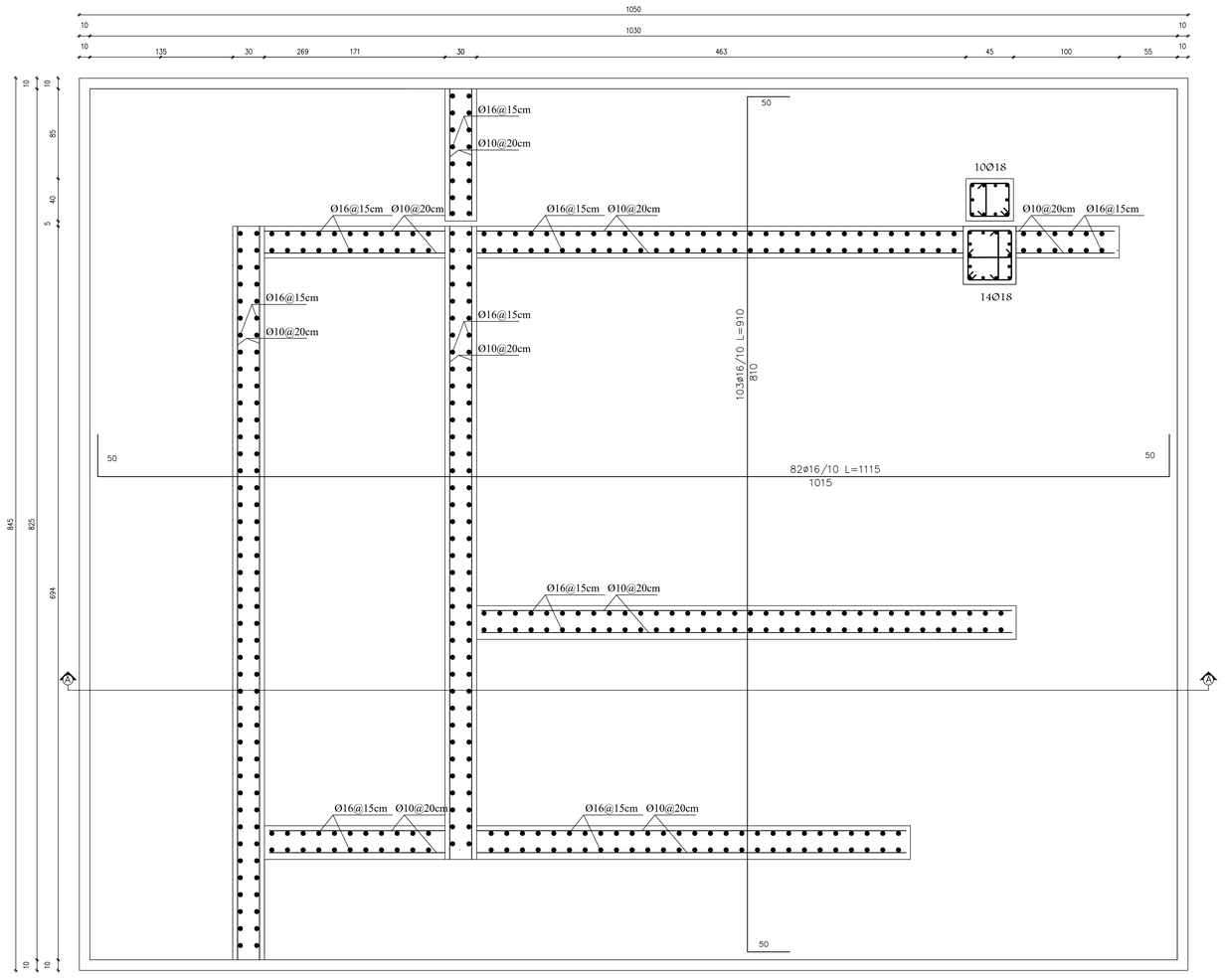
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

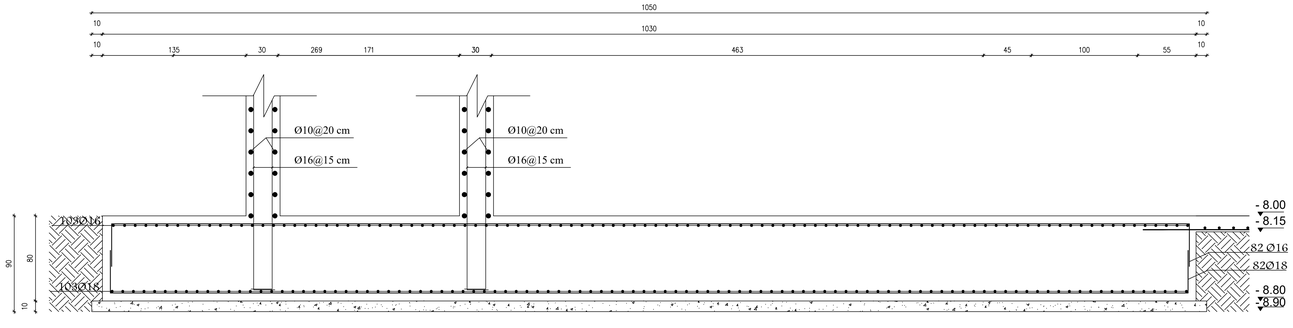
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:128 |

# MAT FOUNDATION 8 (10.3×8.25)m




TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
College of Engineering
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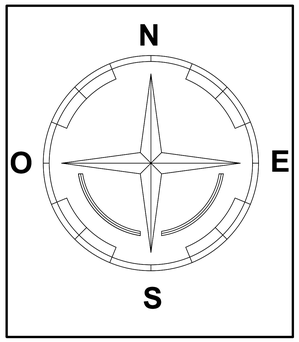
Civil Engineering




Project: Hospital

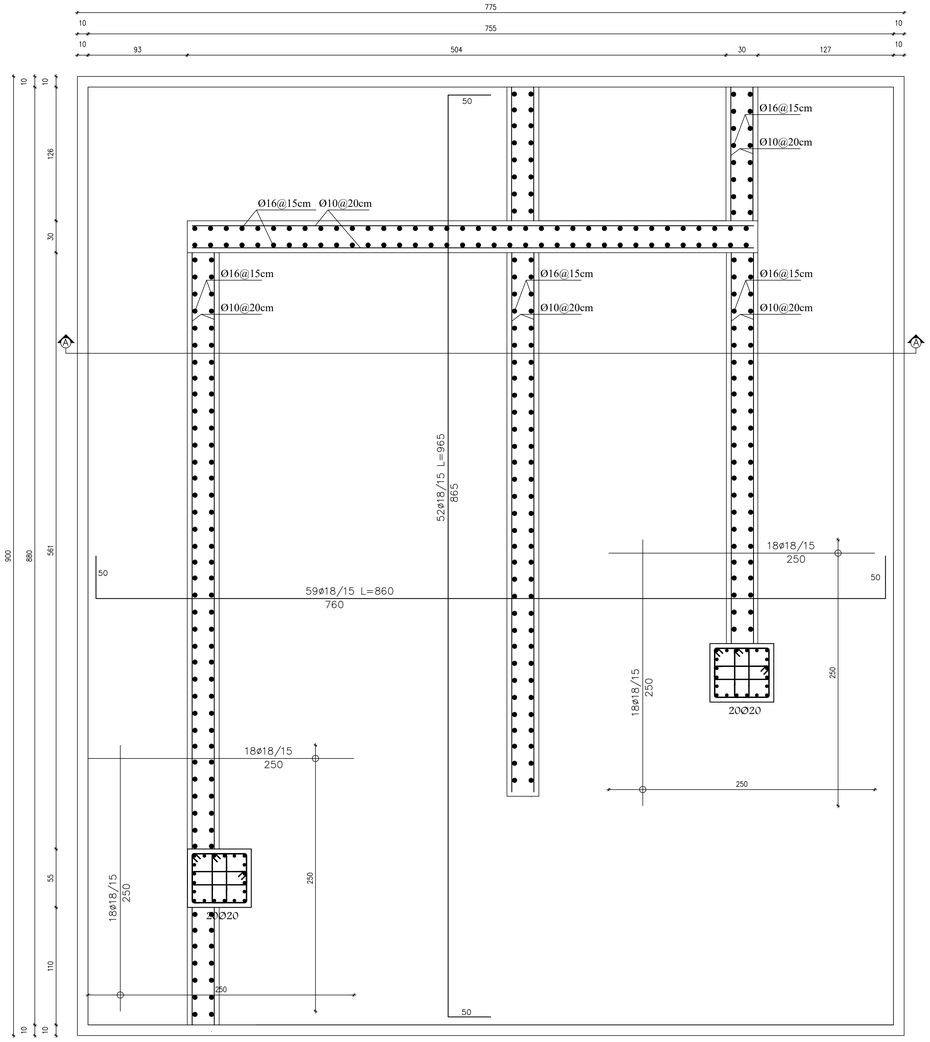
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

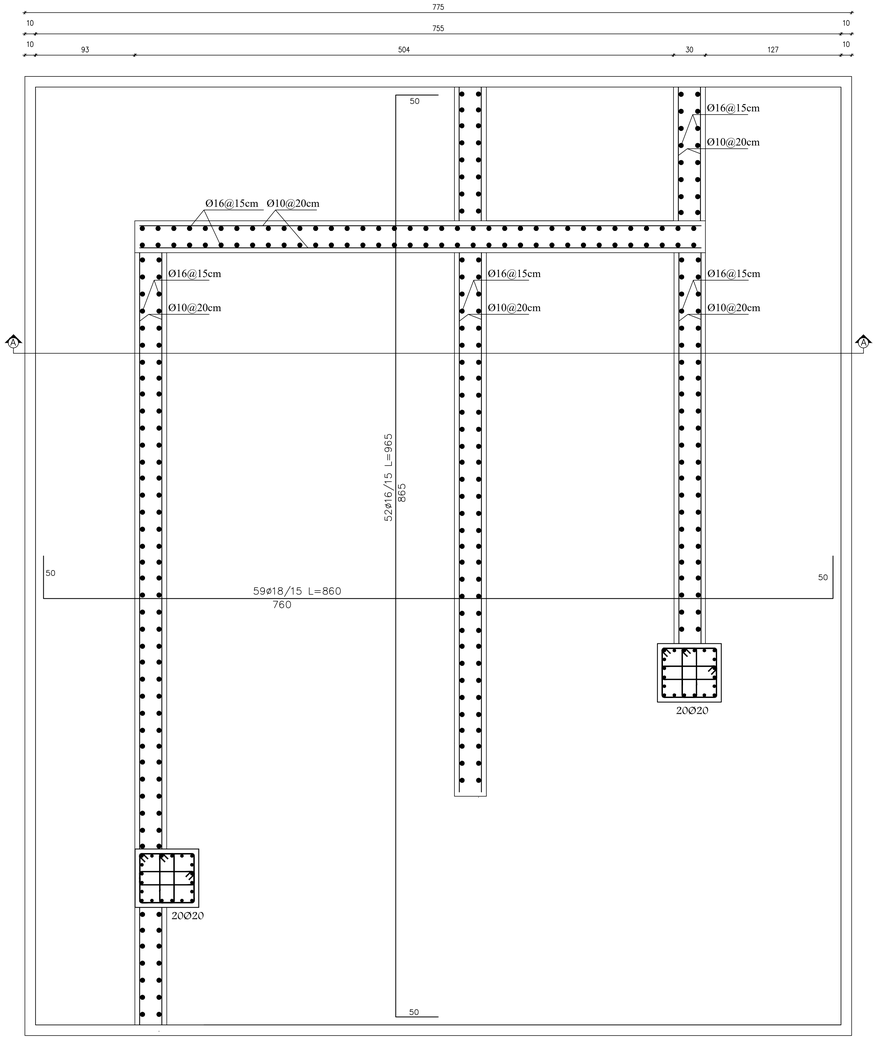
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:129 |

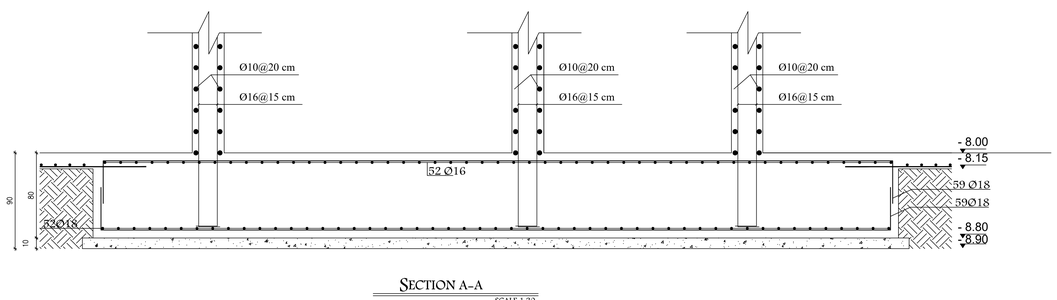
## MAT FOUNDATION **9** (7.55×8.8)m




BOTTOM REINFORCEMENT




TOP REINFORCEMENT




SECTION A-A
SCALE 1:20

Palestine Polytechnic University
College of Engineering
Civil & Architecture Department
Civil Engineering

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Project: Hospital

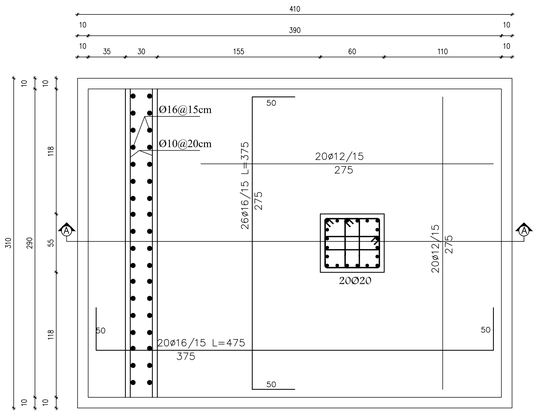
Supervisor:
ENG. Hamdi Ideas

Done By:
Mahmoud Masri
Mohammad Abo Tuhfa
yazan Frijat
Zaid Abo Lawi

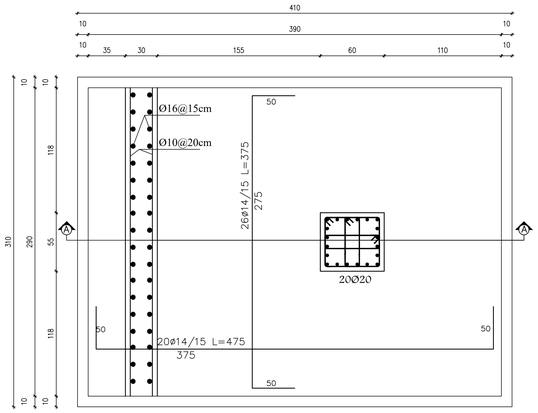
Drawing Title:
Detaling Foundation

| SCALE | NO. OF DRAW |
|---|---|
| 1:100 | S:130 |

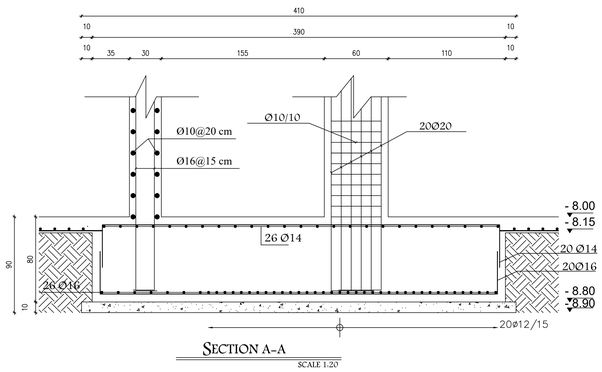
## MAT FOUNDATION **10** (3.9×2.9)m




BOTTOM REINFORCEMENT

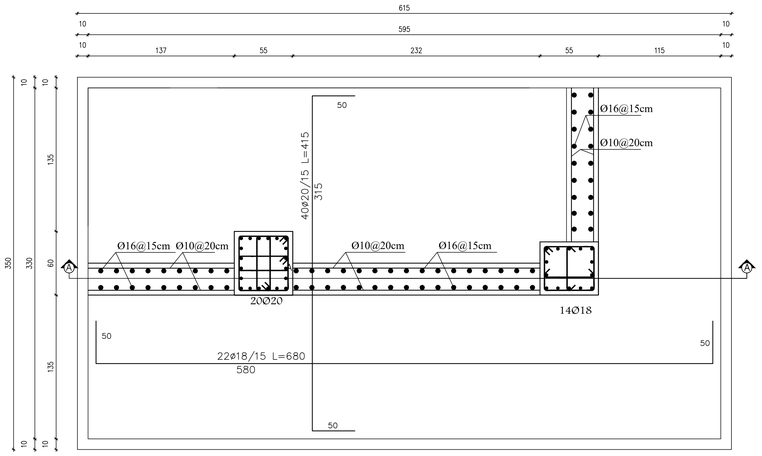



TOP REINFORCEMENT

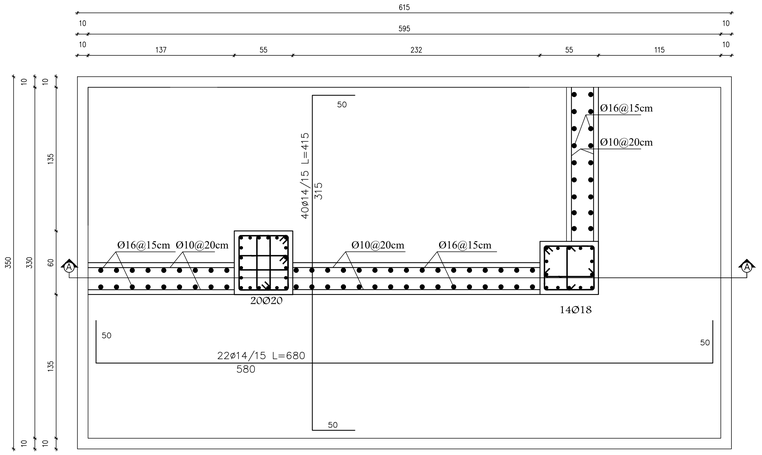



SECTION A-A
SCALE 1:20

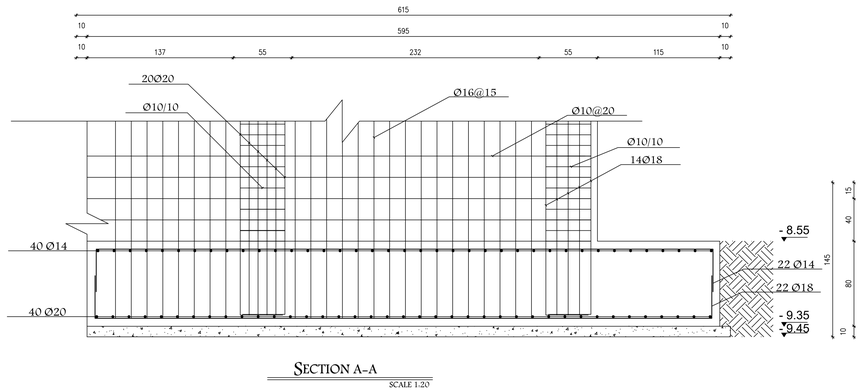
## MAT FOUNDATION **11** (5.95×3.3)m




BOTTOM REINFORCEMENT




TOP REINFORCEMENT




SECTION A-A
SCALE 1:20