

NOTES:

FOR TENDER ONLY

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCGIE)

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Revisions			
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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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DONATED BY:



European Union

IMPLEMENTED BY:



OWNER



PIEFZA

PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGIE)

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

NOTES:

FOR TENDER ONLY

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No.	Description	Date	By
Revisions			

Designed	Drawn	Checked	Approved
UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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DONATED BY:



European Union

IMPLEMENTED BY:



OWNER



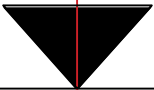
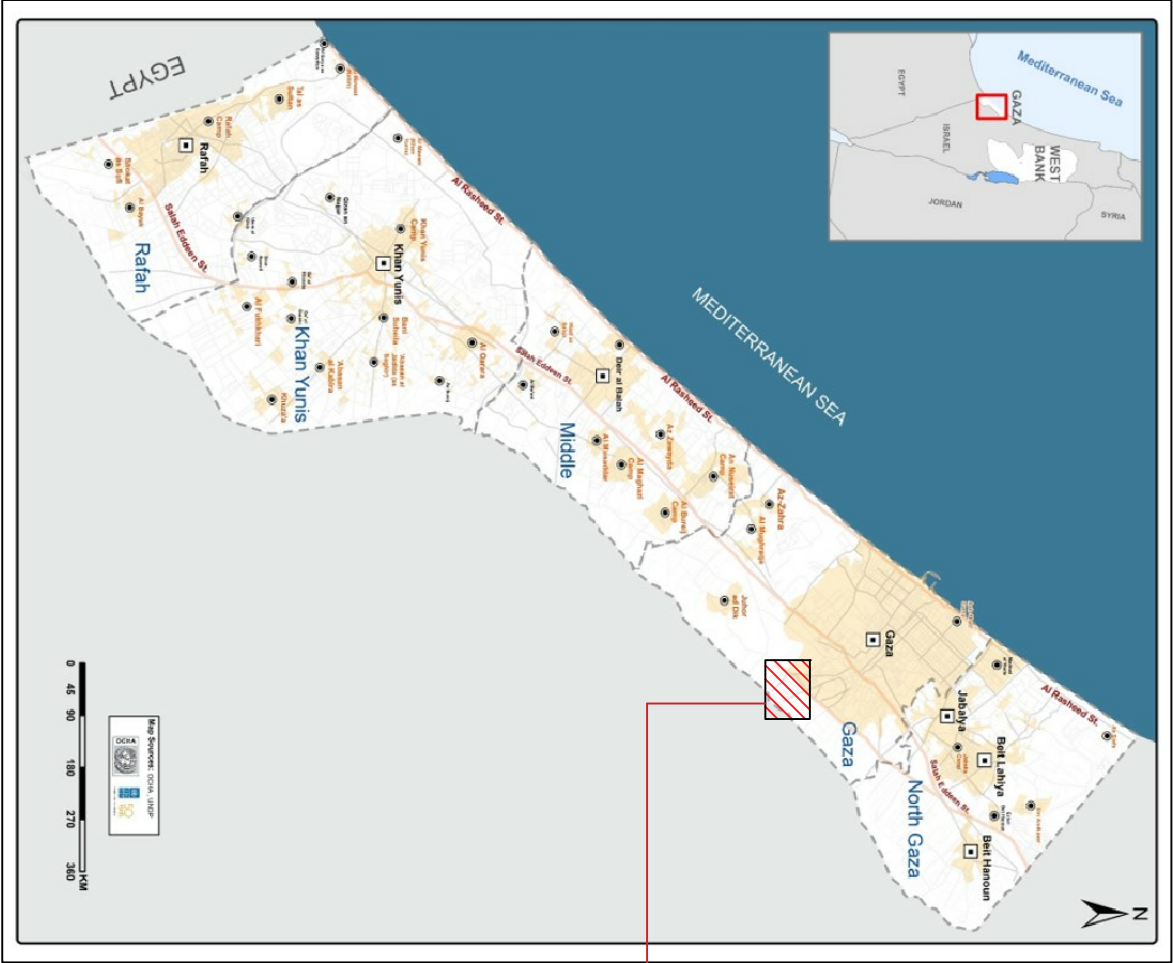
PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

SITE PLAN

DATE	Drawing No.:	Rev. No.
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SITE PLAN

NOTES:



LAYOUT

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No.	Description	Date	By
Revisions			

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UNCP Team	UNCP Team	UNCP Team	UNCP Team

Date	File Name	Scale
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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

LAYOUT

DATE	Drawing No.:	Rev. No.
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NOTES:



Legend

Existing Poles

Rooms

Proposed Transformer Room

Existing Transformer Room

Destroyed Transformer Room

Existing Switch Room

Proposed Switch Room

Existing Cables

Proposed Cables

LAYOUT

4 3 2 1 No. Description Date By Revisions Designed Drawn UNDP Team Checked Approved UNDP Team Date File Name Scale			
DONATED BY: European Union			
IMPLEMENTED BY: UNDP DIP			
OWNER PIEFZA			
PROJECT- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (ICGIE) DRAWING NAME:- LAYOUT			
DATE Drawing No.:		Rev. No.	

NOTES:

FOR TENDER ONLY

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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DONATED BY:



European Union

IMPLEMENTED BY:



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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

NOTES:

FOR TENDER ONLY

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

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European Union

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OWNER



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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIEI)

DRAWING NAME:-

Transformer Room Details

DATE	Drawing No.:	Rev. No.
	AR 00	

Architectural Drawings

NOTES:

FOR TENDER ONLY

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Revisions			

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UNCP Team	UNCP Team	UNCP Team	UNCP Team

Date	File Name	Scale

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European Union

IMPLEMENTED BY:



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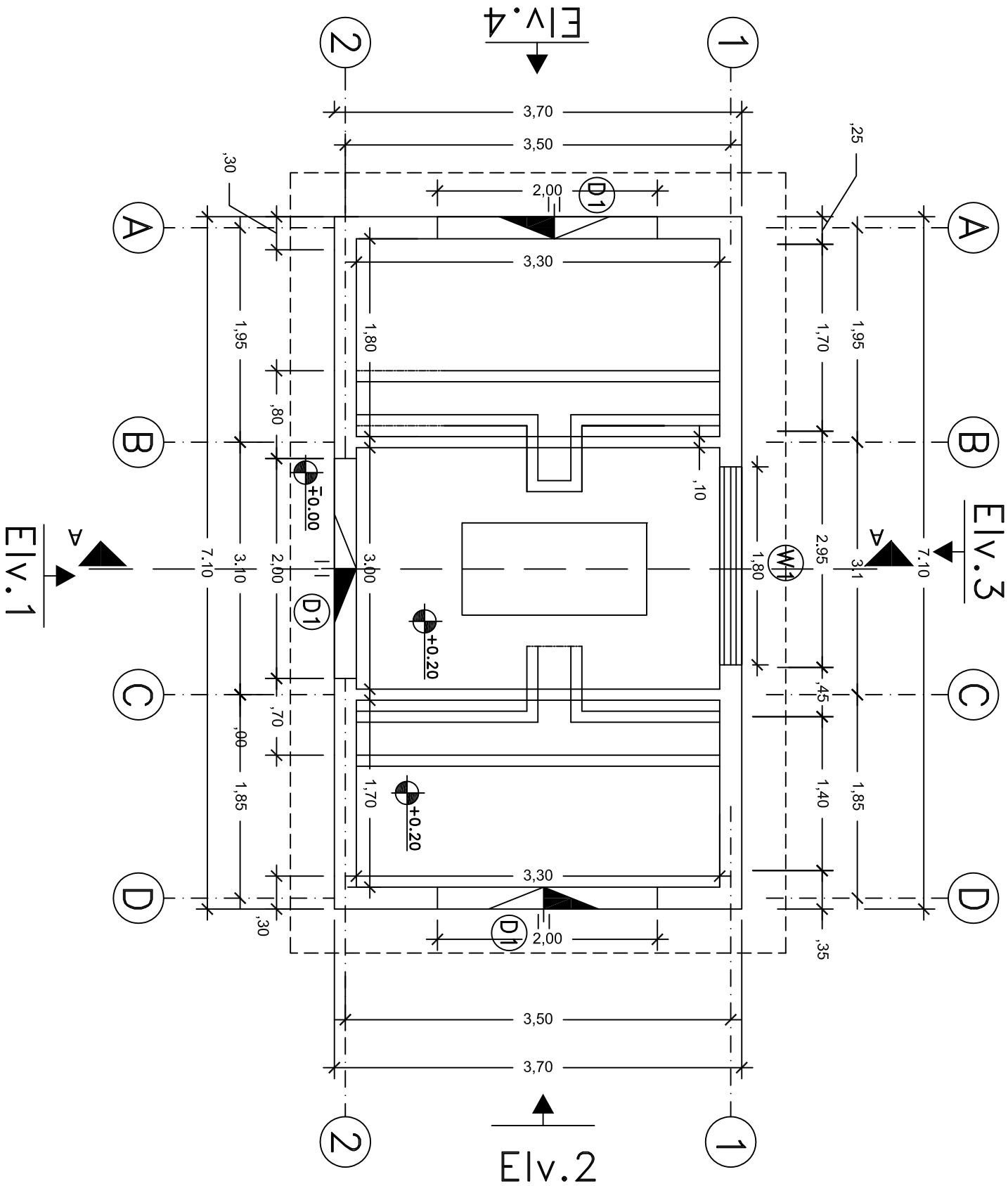
PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-

Transformers Rooms Layout - Type A

DATE	Drawing No.:	Rev. No.
	AR 01	



Transformers Rooms Layout Type A

NOTES:

FOR TENDER ONLY

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No.	Description	Date	By
Revisions			

Designed	Drawn	Checked	Approved
UNCP Team	UNCP Team	UNCP Team	UNCP Team

Date	File Name	Scale

DONATED BY:



European Union

IMPLEMENTED BY:



OWNER

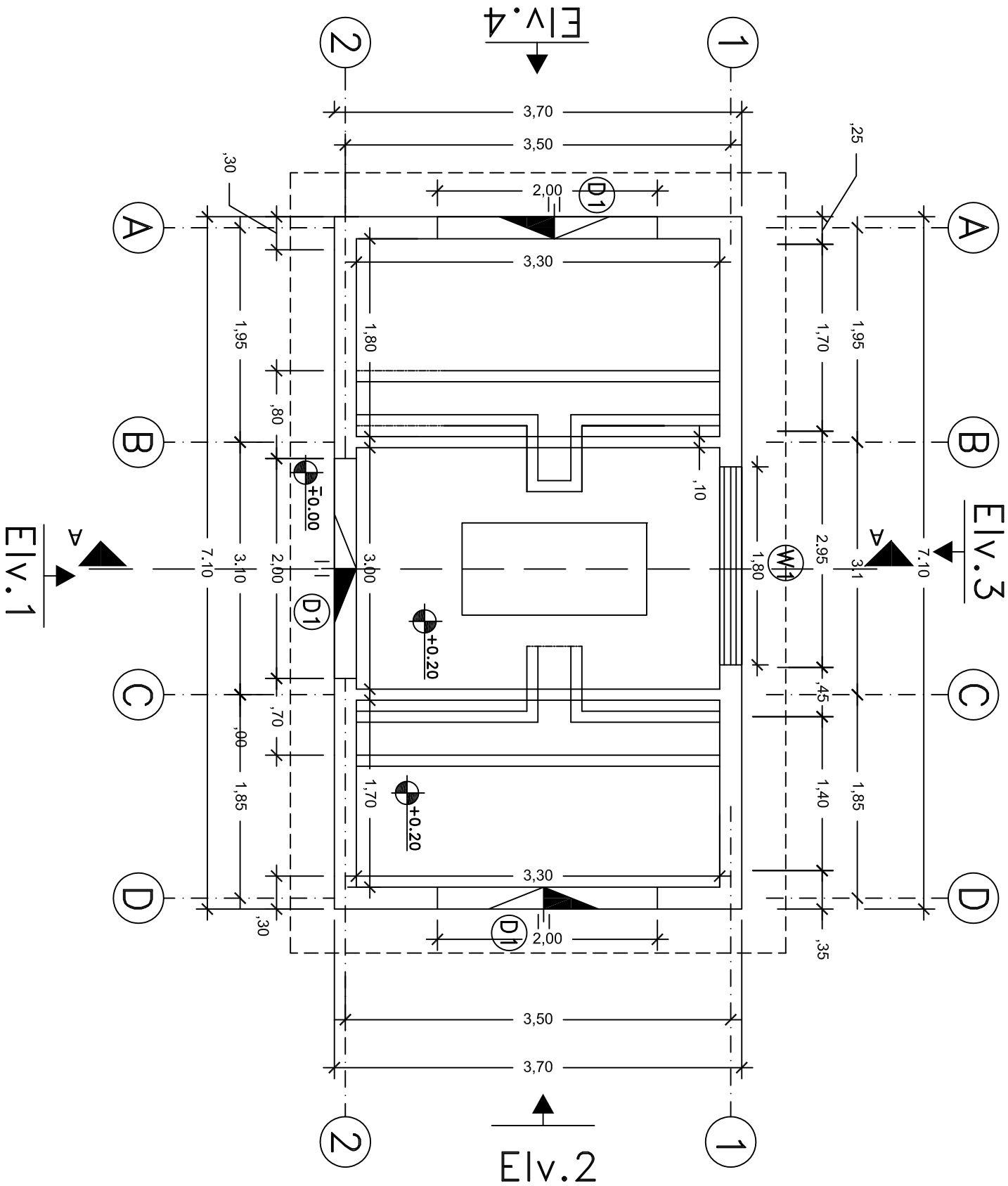


PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-
Transformers Rooms Layout - Type A

DATE	Drawing No.:	Rev. No.
	AR 01	



Transformers Rooms Layout Type A

NOTES:

FOR TENDER ONLY

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No.	Description	Date	By
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UNDP Team	UNDP Team	UNDP Team	UNDP Team
Date	File Name	Scale	

DONATED BY:



European Union

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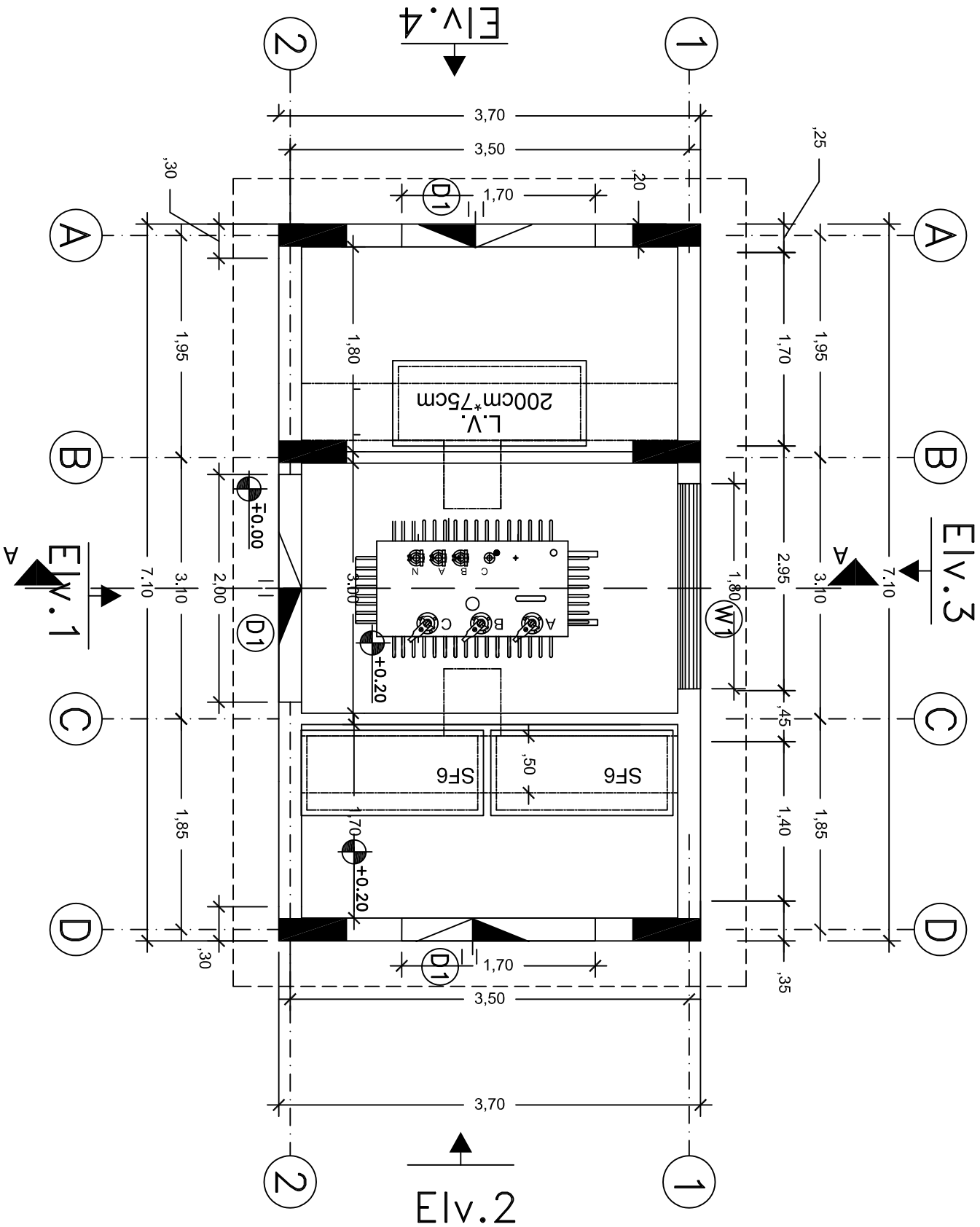


PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGE)

DRAWING NAME:-
Transformers Rooms Plan - Type A

DATE	Drawing No.:	Rev. No.
	AR 02	



Transformers Rooms Plan Type A

NOTES:

FOR TENDER ONLY

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale

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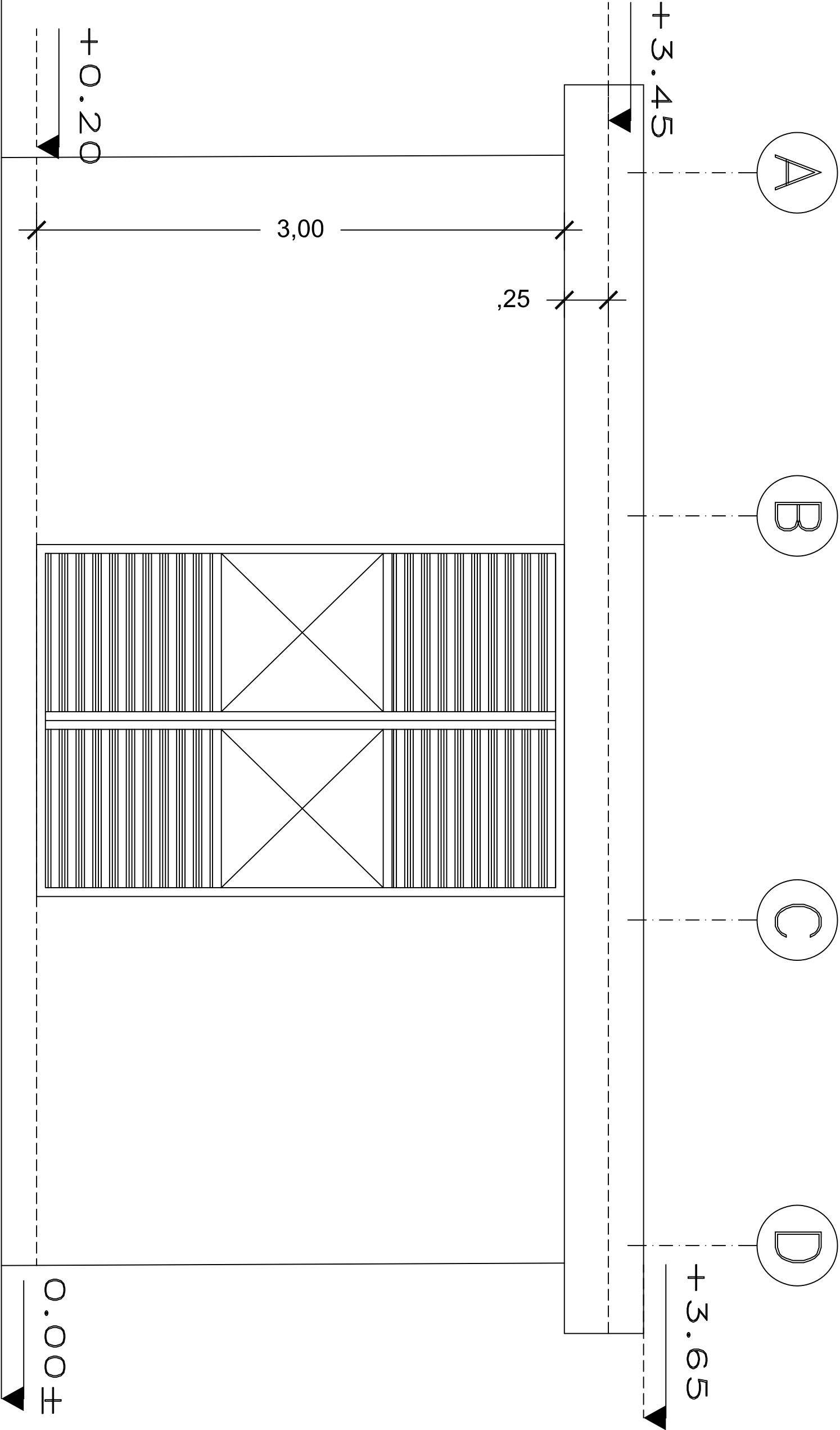
PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

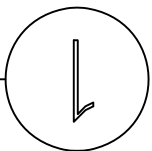
DRAWING NAME:-

ELEVATION - 1 - Type A

DATE	Drawing No.:	Rev. No.
	AR 03	



ELEVATION - 1
Type A



+ 3.45

+ 3.65

+ 0.20

0.00±

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2,00

ELEVATION - 2

Type A

NOTES:

FOR TENDER ONLY

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No.	Description	Date	By

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

ELEVATION -2 -Type A

DATE	Drawing No.:	Rev. No.
	AR 04	

NOTES:

FOR TENDER ONLY

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No.	Description	Date	By
Revisions			
Designed	Drawn	Checked	Approved
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Date	File Name	Scale	

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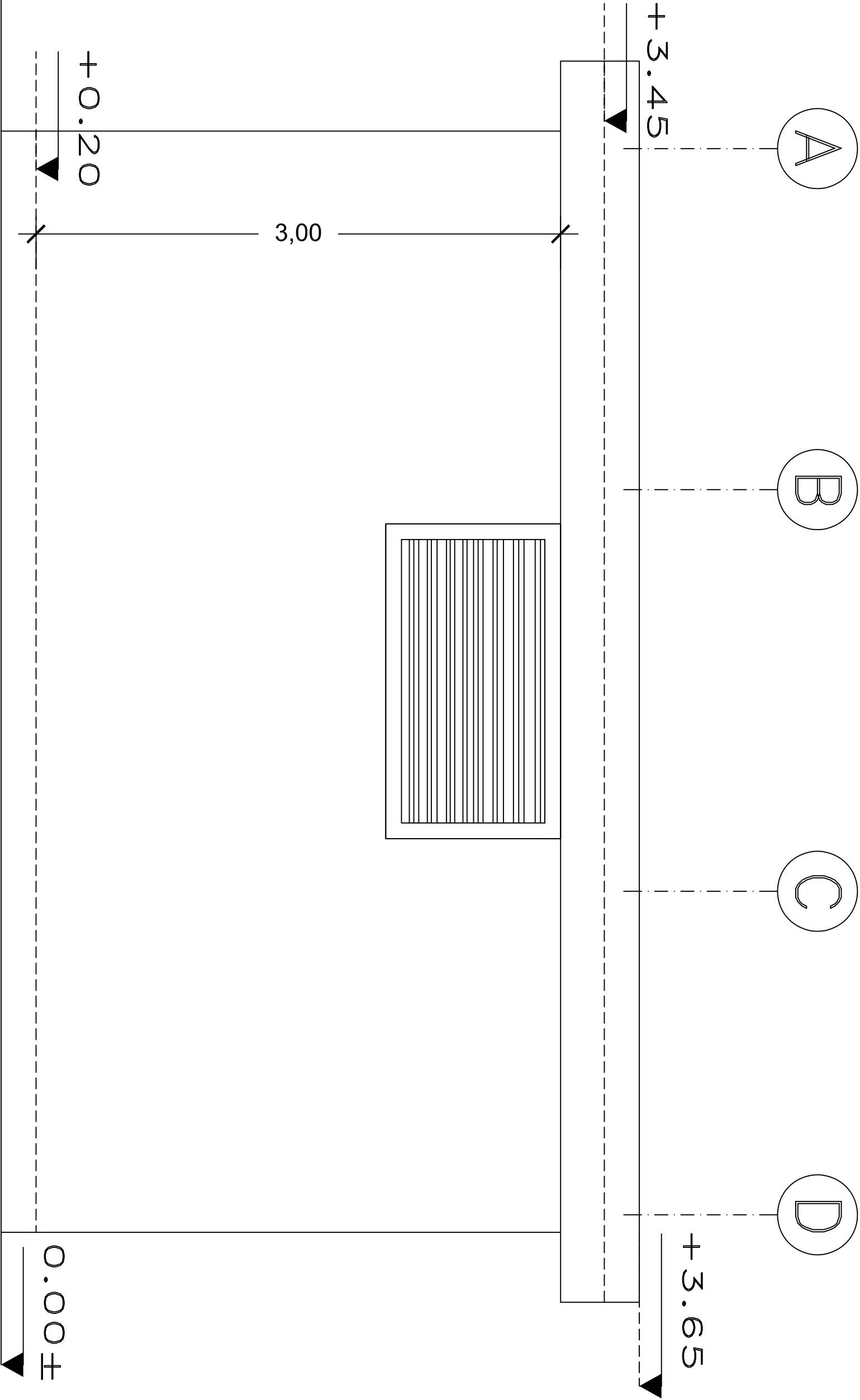


PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGGIE)

DRAWING NAME:-
ELEVATION - 3 - Type A

DATE	Drawing No.:	Rev. No.
	AR 05	



ELEVATION - 3

Type A

NOTES:

FOR TENDER ONLY

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No.	Description	Date	By

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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DONATED BY:



European Union

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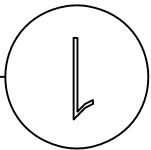
PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-

ELEVATION - 4 - Type A

DATE	Drawing No.:	Rev. No.
	AR 06	



+ 3.45

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0.00±

ELEVATION - 4
Type A

NOTES:

FOR TENDER ONLY

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No.	Description	Date	By
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Designed	Drawn	Checked	Approved
UNDP Team	UNDP Team	UNDP Team	UNDP Team

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DONATED BY:



European Union

IMPLEMENTED BY:



OWNER

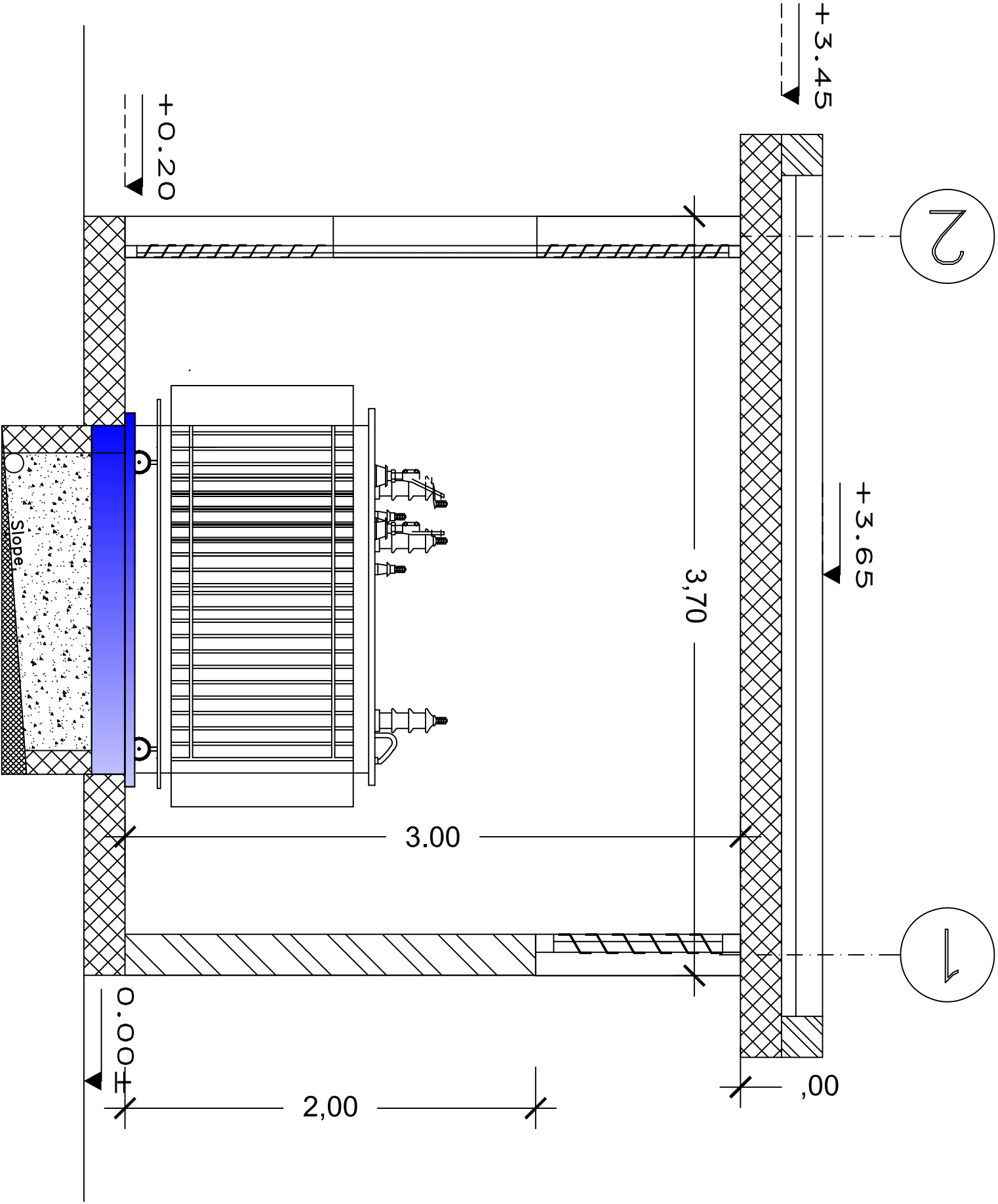


PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (ICGIE)

DRAWING NAME:-
SECTION A-A - Type A

DATE	Drawing No.:	Rev. No.
	AR 07	



SECTION A - A
Type A

NOTES:

FOR TENDER ONLY

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OBJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGIE)

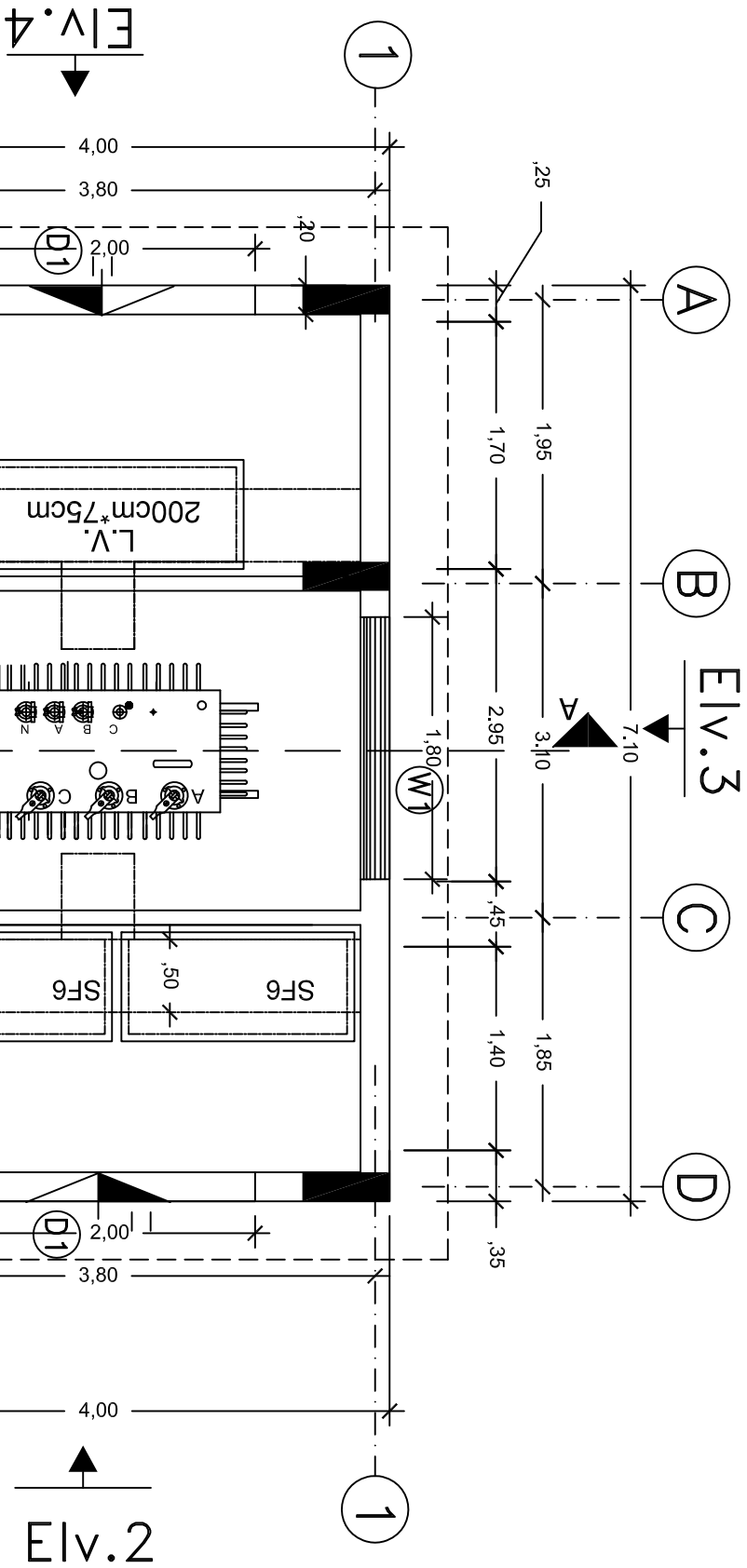
DRAWING NAME:-

Transformers Rooms Layout - Type B

DATE	Drawing No.: AR 08	Rev. No.

NOTES:

FOR TENDER ONLY



Transformers Rooms Plan Type B

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PROJECT:-

REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Transformers Rooms Plan - Type B

DATE	Drawing No.:	Rev. No.
	AR 09	

NOTES:

FOR TENDER ONLY

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale

DONATED BY:



European Union

IMPLEMENTED BY:



OWNER



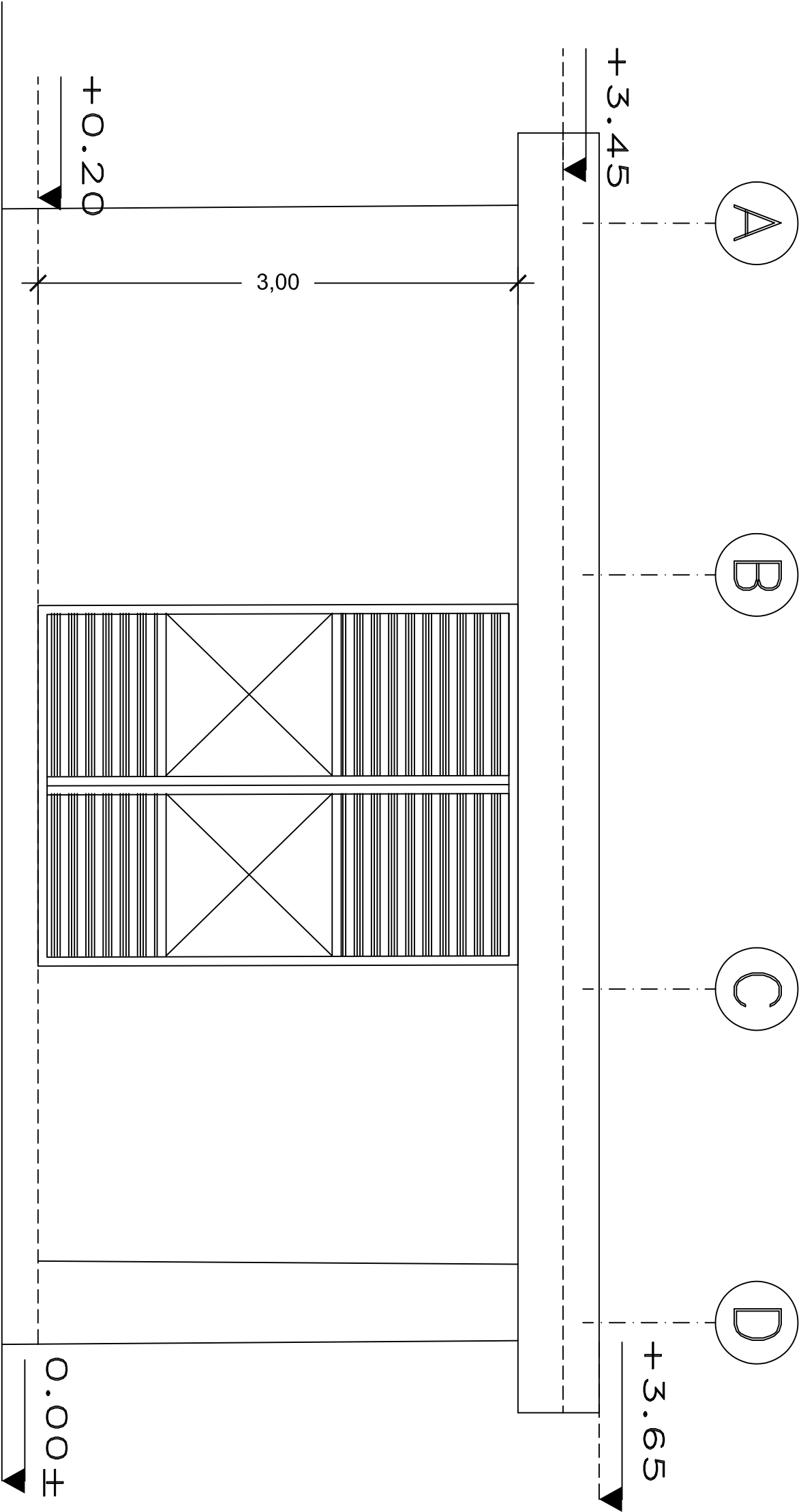
PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGGIE)

DRAWING NAME:-

ELEVATION - 1 - Type B

DATE	Drawing No.:	Rev. No.
	AR 10	



ELEVATION - 1

Type B

2

1

+ 3.45

+ 3.65

+ 0.20

0.00±

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ELEVATION - 2

Type B

NOTES:

FOR TENDER ONLY

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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European Union

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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

ELEVATION - 2 - Type B

DATE	Drawing No.:	Rev. No.
	AR 11	

NOTES:

FOR TENDER ONLY

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Date	File Name	Scale	

DONATED BY:



European Union

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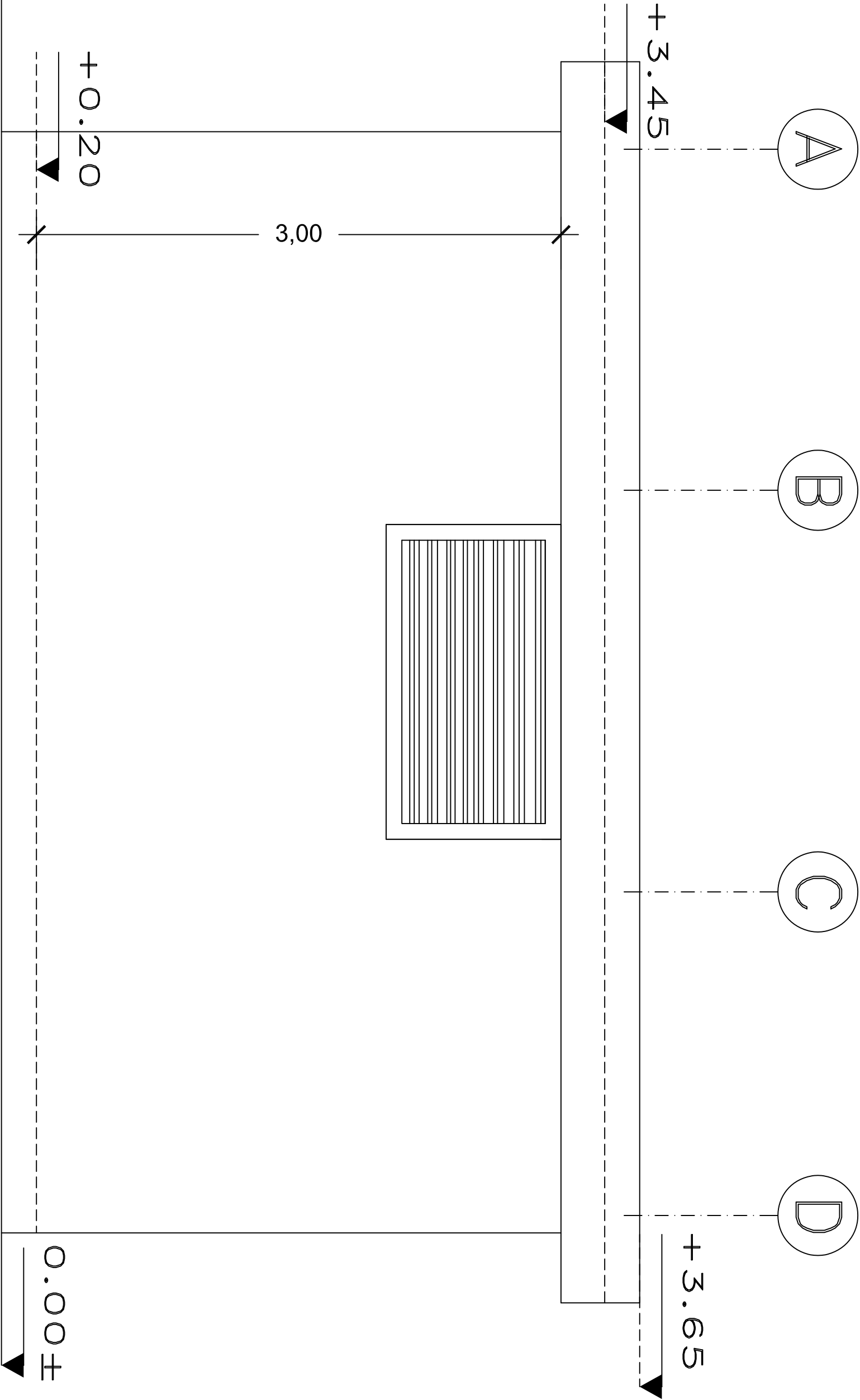
PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCRIE)

DRAWING NAME:-

ELEVATION - 3 - Type B

DATE	Drawing No.:	Rev. No.
	AR 12	



ELEVATION - 3
Type B

NOTES:

FOR TENDER ONLY

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IMPLEMENTED BY:



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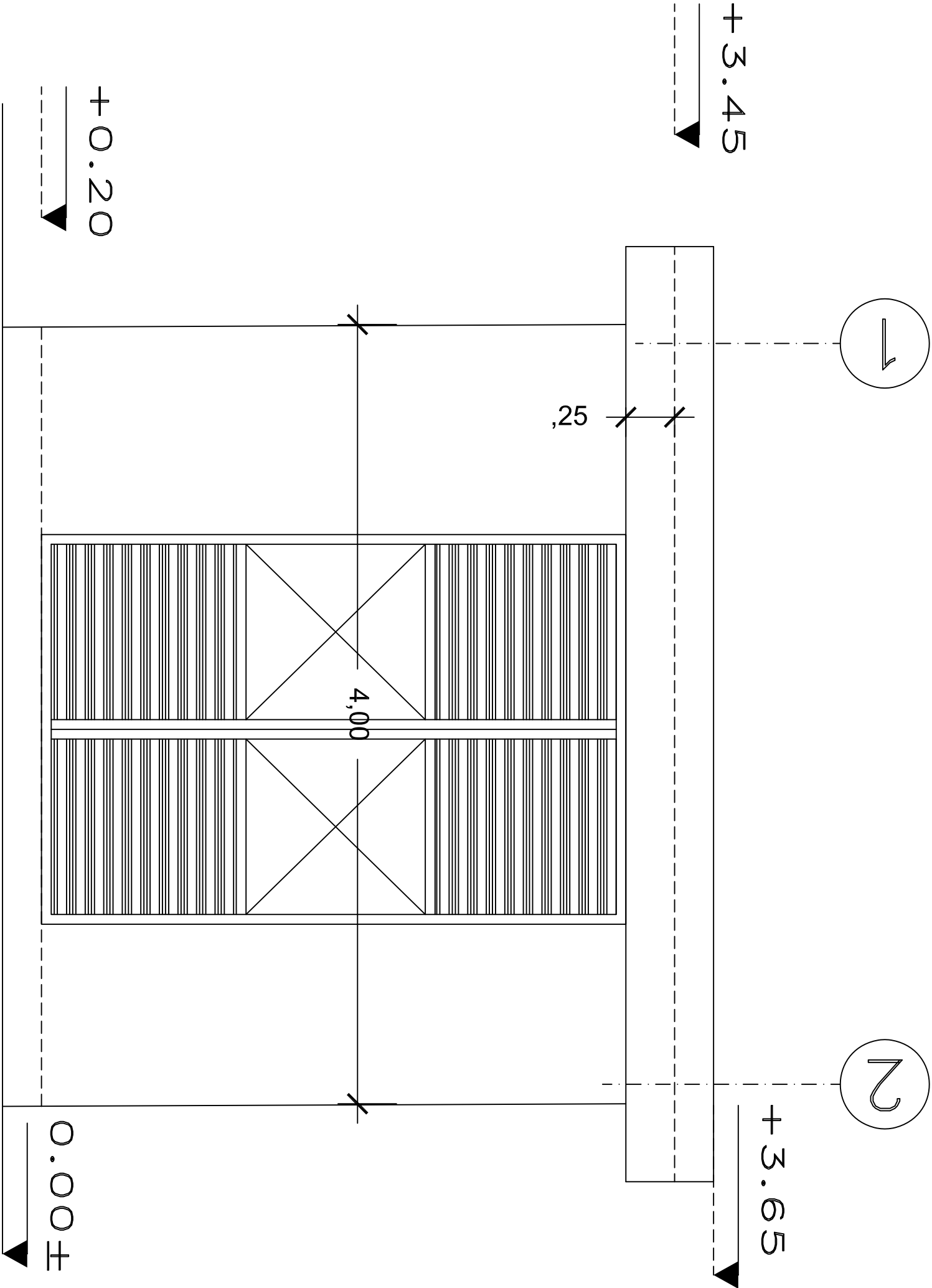


PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGCIE)

DRAWING NAME:-
ELEVATION - 4 - Type B

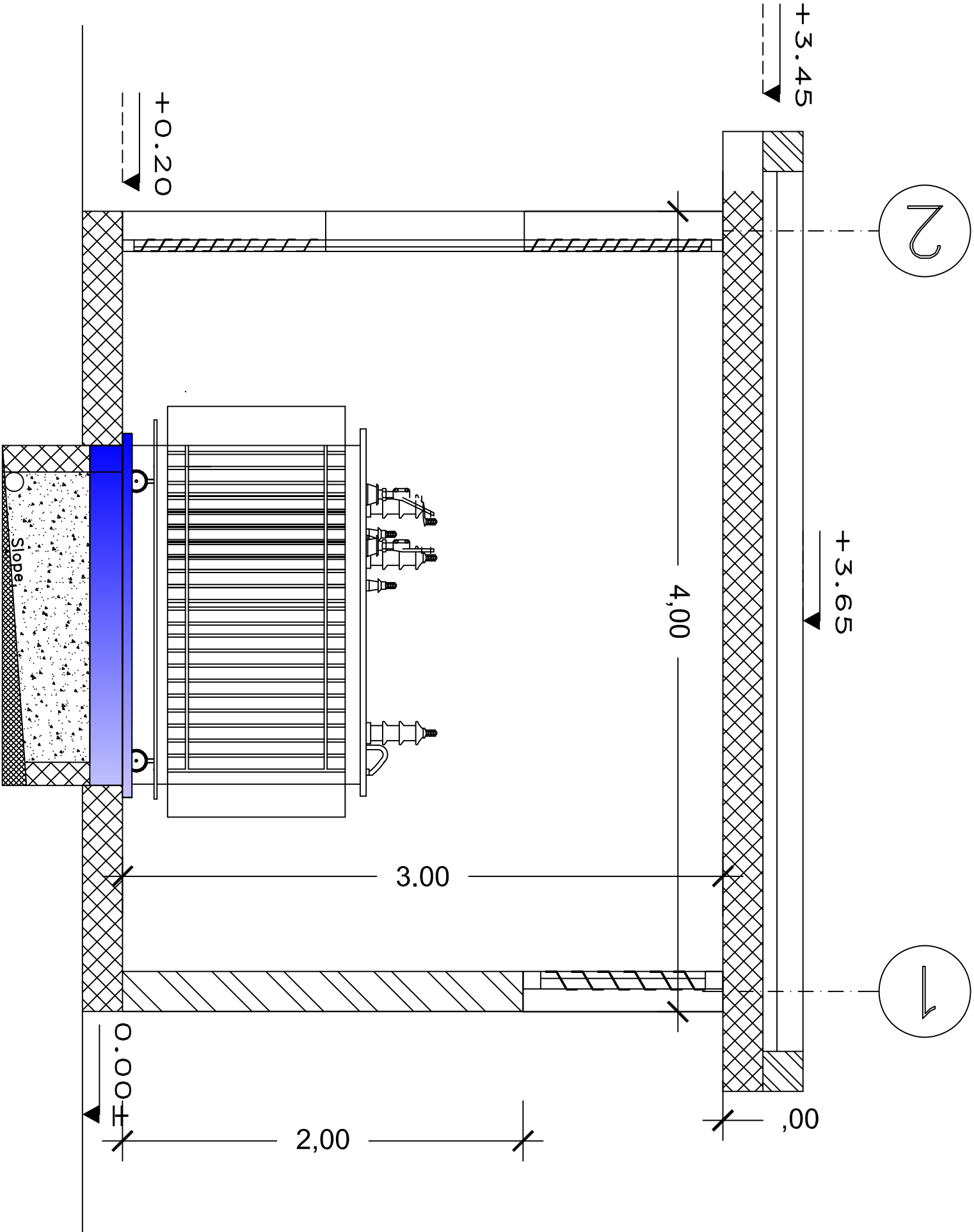
DATE	Drawing No.:	Rev. No.
	AR 13	



ELEVATION - 4

Type B

NOTES:



SECTION A - A Type B

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PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (ICGIE)

DRAWING NAME:-

SECTION A - A - Type B

DATE	Drawing No.:	Rev. No.
	AR 14	

NOTES:

FOR TENDER ONLY

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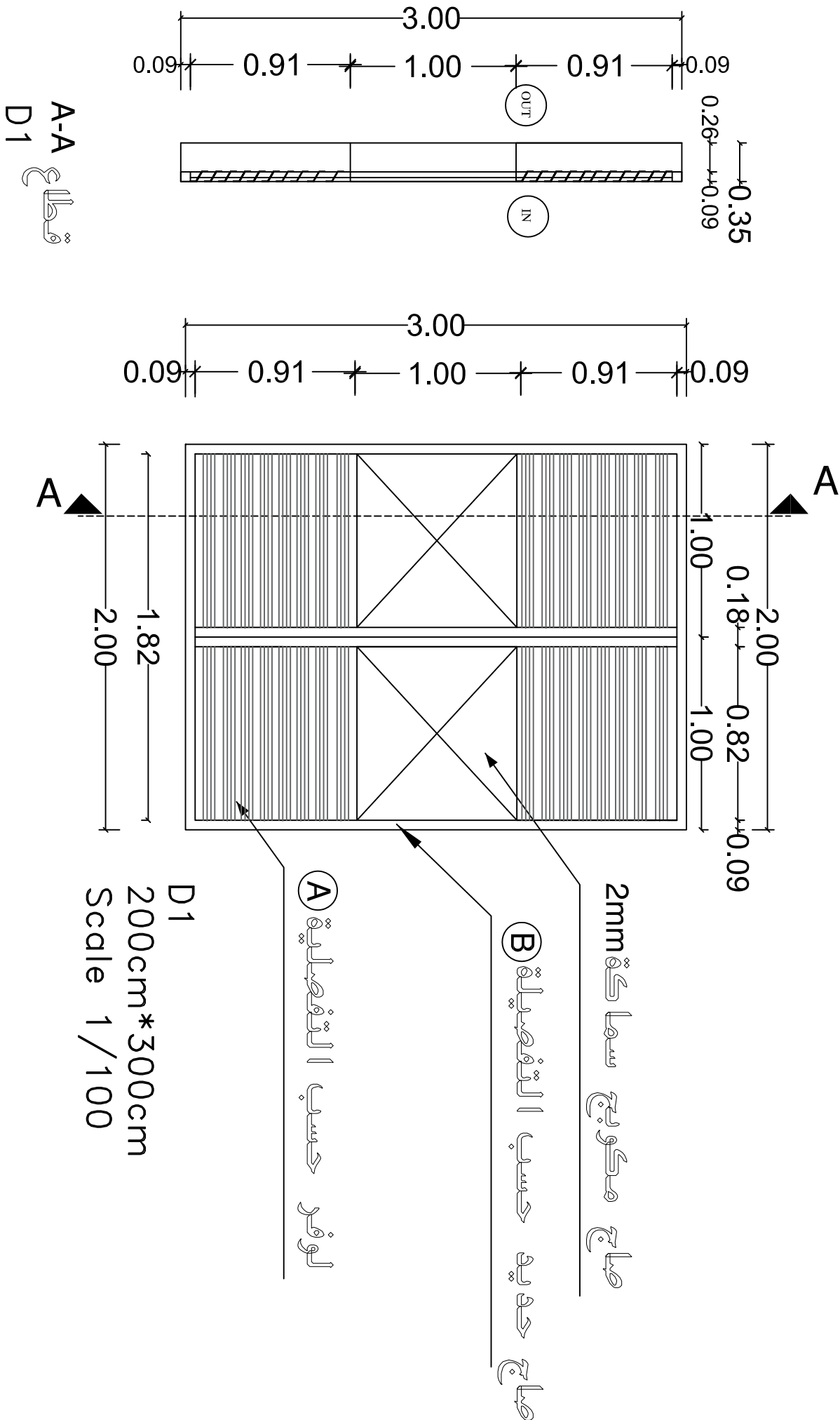
PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

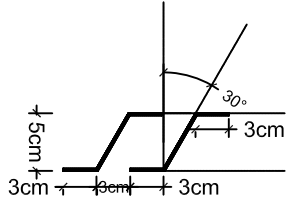
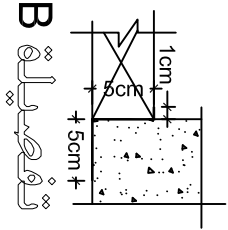
DRAWING NAME:-

Metal Door Details

DATE	Drawing No.:	Rev. No.
	AR 15	



A-A
قطاع
D1



NOTES:

FOR TENDER ONLY

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No.	Description	Date	By
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UNDP Team	UNDP Team	UNDP Team	UNDP Team

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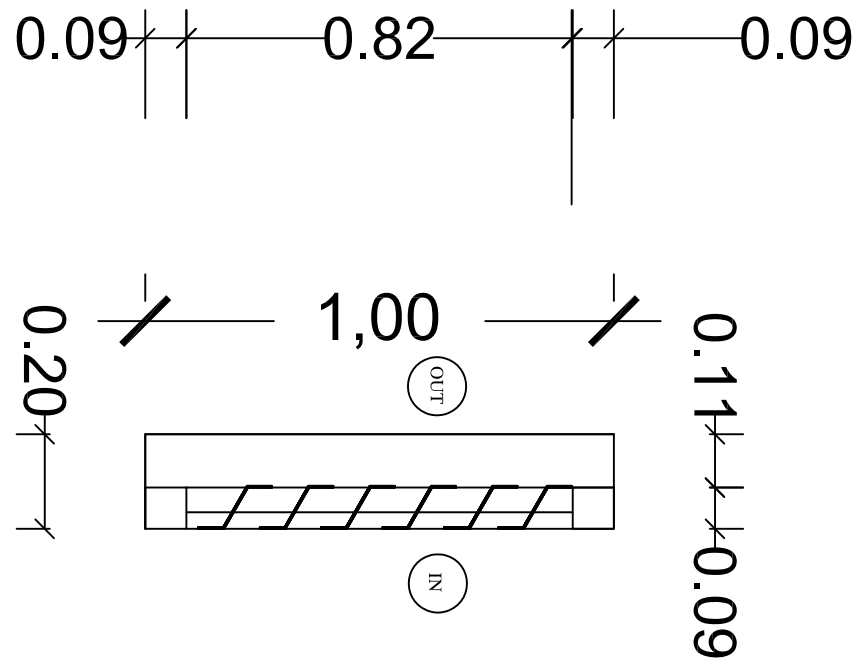
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-

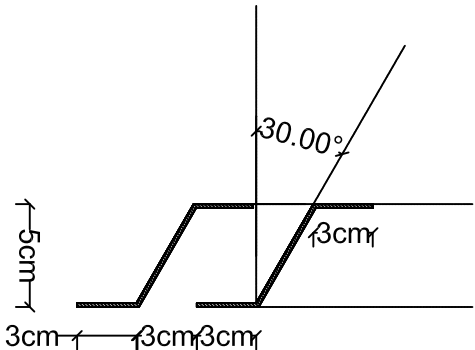
Metal Window Details

DATE	Drawing No.:	Rev. No.
	AR 16	

صاج حديد حسب التفضيلة B

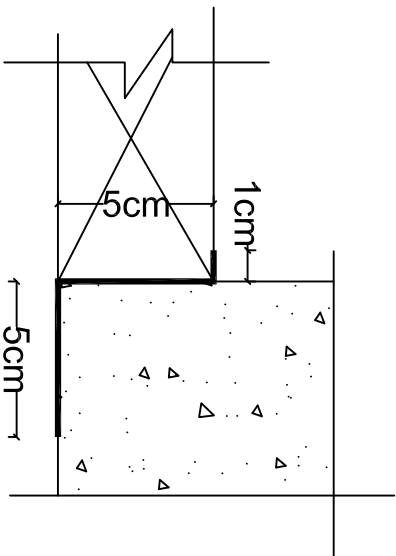
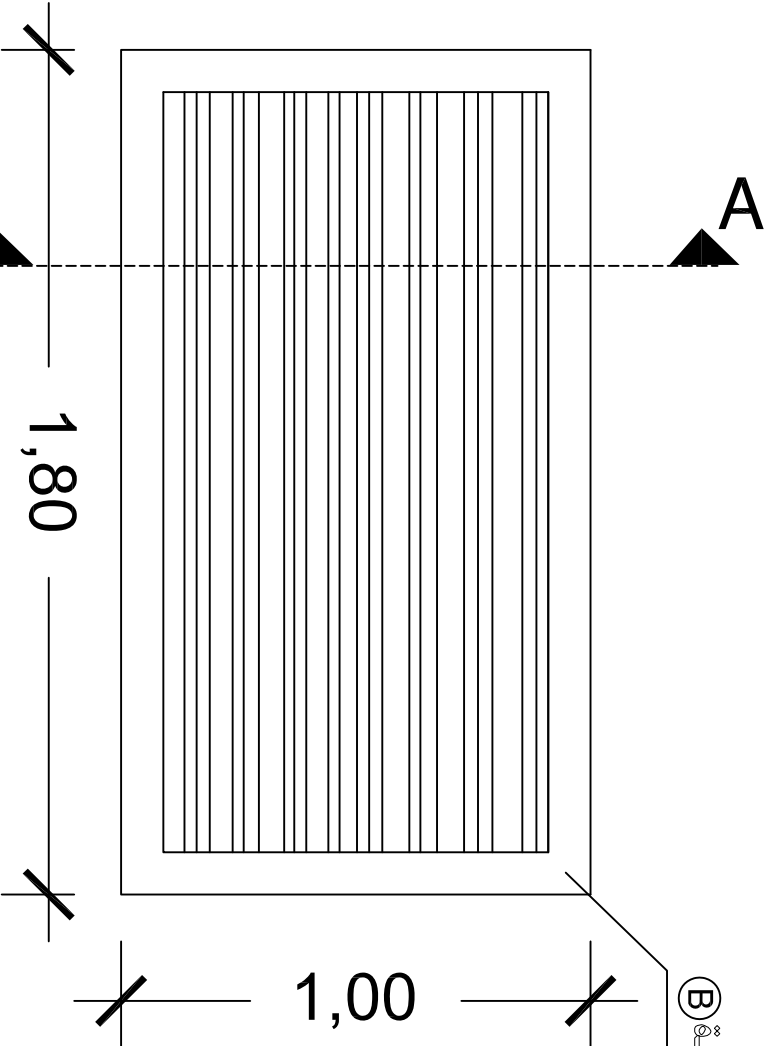


A-A
قطاع
W1



توضيحات
A

1,80
W1
180cm*100cm



توضيحات
B

Metal Window Details

NOTES:

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No.	Description	Date	By
Revisions			
Designed	Drawn	Checked	Approved
UNDP Team	UNDP Team	UNDP Team	UNDP Team
Date	File Name	Scale	

DONATED BY:

European Union

IMPLEMENTED BY:

Implemented by
Business Address

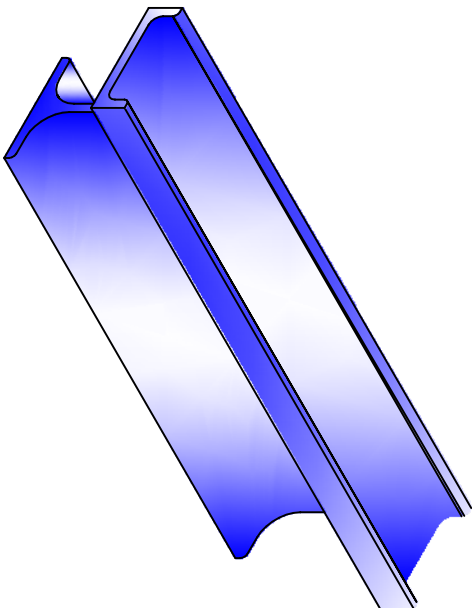
OWNER

PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

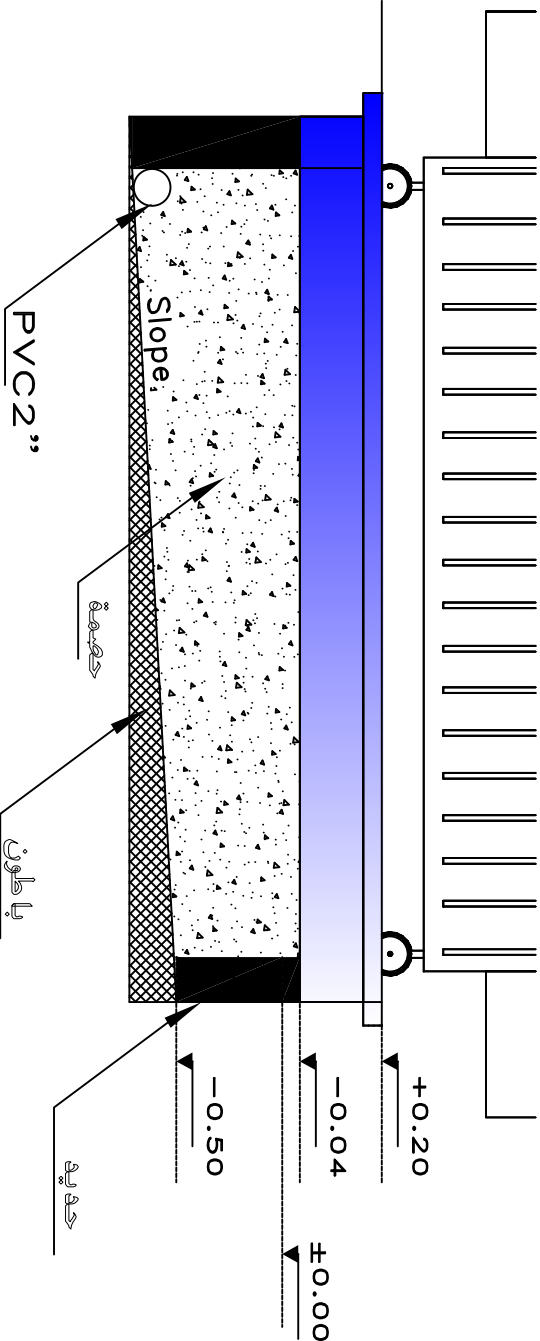
DRAWING NAME:-
I - SECTION Details

DATE	Drawing No.:	Rev. No.
	AR 17	



Details(1 – 1)

section 1 – 1

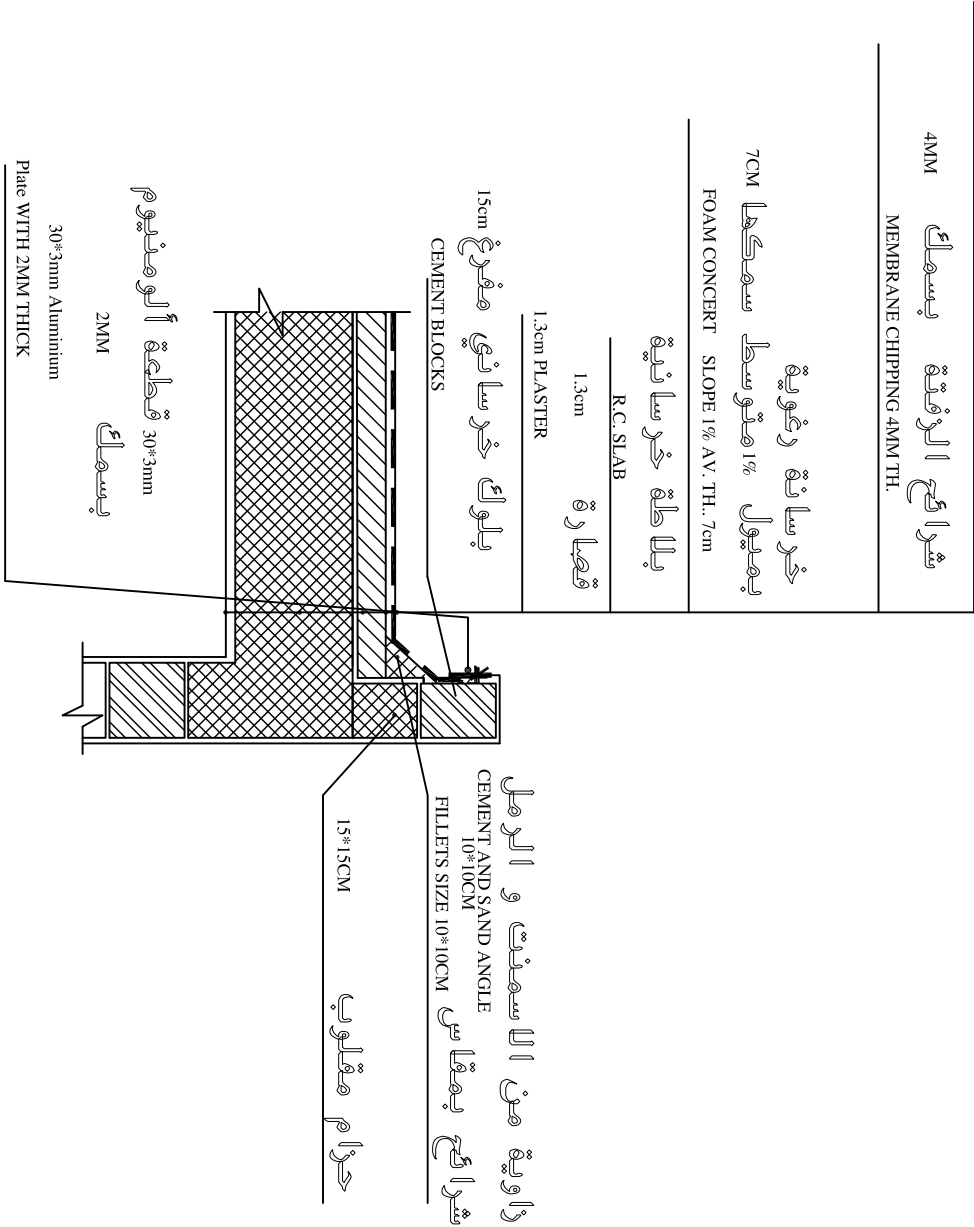


I - SECTION

NOTES:

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غطاء بيتومينى هلدى
PLASTICISED BITUMEN ROOFING



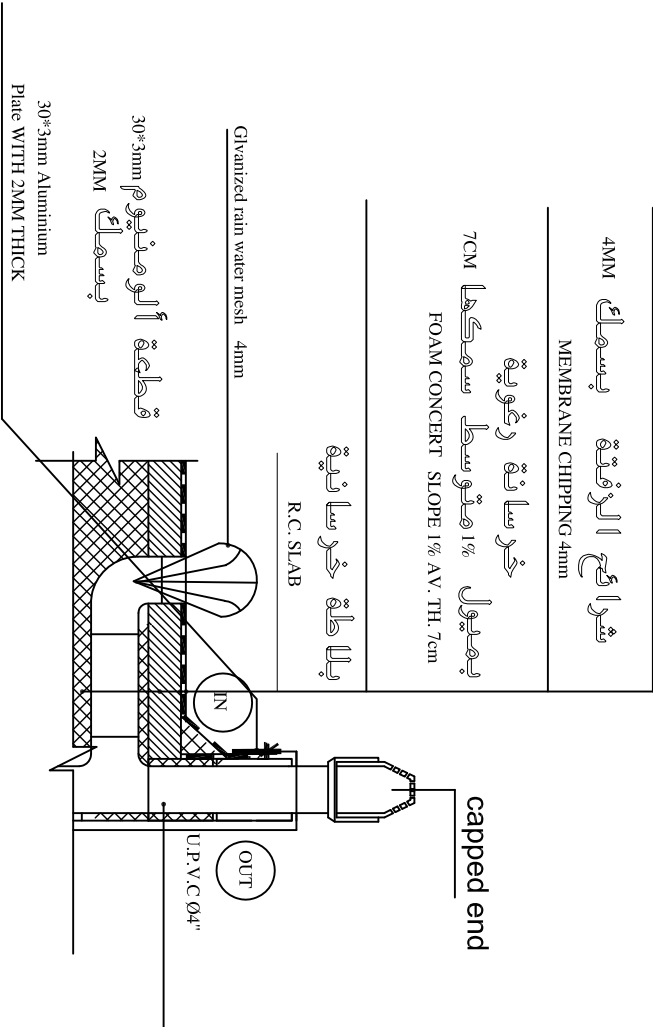
تفاصيل عزل السطح

WATER ROOFING DETAILS AT ROOF LEVEL

Scale 1:25

Isolation Details

غطاء بيتومينى هلدى
PLASTICISED BITUMEN ROOFING



تفاصيل مصرف السطح

ROOF DRAIN DETAILS

Scale 1:25

NOTES:

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IMPLEMENTED BY:



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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Isolation Details

DATE	Drawing No.:	Rev. No.
	AR 18	

NOTES:

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Designed	Drawn	Checked	Approved
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Date	File Name	Scale	

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Empowered People
Build Better Futures

OWNER

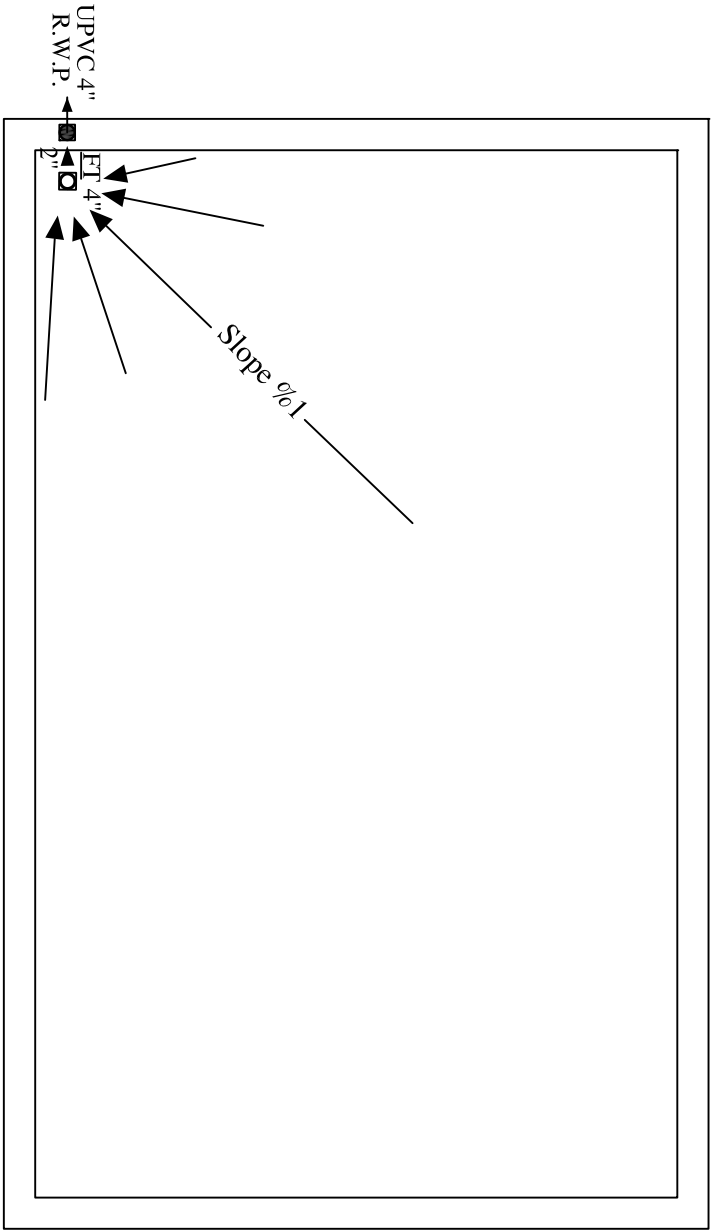


PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-
Transformer Room Details

DATE	Drawing No.:	Rev. No.
	1-07	



میچل الماطر

NOTES:

FOR TENDER ONLY

Not To Scale

Civil Works

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No.	Description		Date By
Revisions			
Designed	Drawn	Checked	Approved
UNDP Team	UNDP Team	UNDP Team	UNDP Team
Date	File Name		Scale

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PIEFZA	

PROJECT:-	
REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCIGIE)	

DRAWING NAME:-	
Transformer Room Details	

DATE	Drawing No.:	Rev. No.
	C 00	

Drawings Table

Drawing No.	Drawing Name
C 00	Drawings Table
C 01	General Notes
C 02	General Notes
C 03	Details of Soil
C 04	Excavation and backfill –Type A
C 05	Excavation and backfill –Type B
C 06	Foundation –Type A
C 07	Foundation –Type B
C 08	Ground Beams – Type A
C 09	Ground Beams – Type B
C 10	Ground Slab –Type A
C 11	Ground Slab –Type B
C 12	Ground Beam Wall Trenches – Type A
C 13	Ground Beam Wall Trenches – Type B
C 14	Neck Columns & Columns
C 15	Ribbed Slabs – Type A
C 16	Ribbed Slabs – Type B
C 17	Connection between column & wall Details
C 18	Details
C 19	Details

NOTES:

FOR TENDER ONLY

Not To Scale

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No.	Description	Date	By
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Revisions

Designed	Drawn	Checked	Approved
UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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DONATED BY:



European Union

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PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-
Transformer Room Details

DATE	Drawing No.:	Rev. No.
	C 00	

GENERAL NOTES

1.CODE OF PRACTICE

- * Detailing and workmanship shall be according to ACI 315-99.
- * Design for concrete done according to ACI 318-05.
- * Estimation of Loads is according to ASCE 7-05

2.CONCRETE COMPRESSIVE STRENGTH (fc)

Concrete compressive strength for (Cube 15x15x15) after 28 days:

- * For Plain Concrete = 230 kg/cm
- * For Foundations = 287 kg/cm
- * For Stairs & walls = 287 kg/cm
- * For Columns & Slabs = 345 kg/cm
- * For lintels = 287 kg/cm
- * For all non Structural Elements = 230 kg/cm

3.STEEL YIELD STRENGTH (fy)

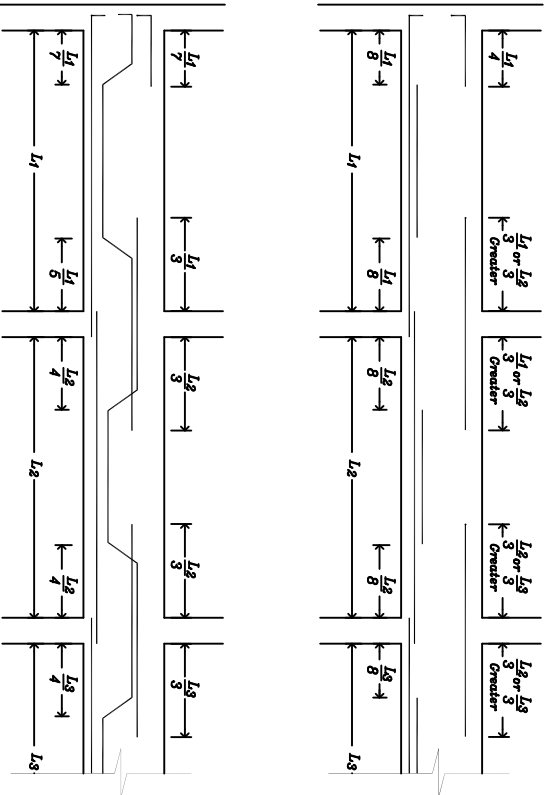
- * Deformed Steel = 420 kg/cm
- * Mild Steel = 280 kg/cm

4.STEEL COVER

Clear concrete cover to reinforcement shall be:

- * For Foundations = 7 cm
- * For Columns = 4 cm
- * For Beams = 2.5 cm
- * For Basement & Shear Walls = 5 cm
- * For Slabs = 2.5 cm

5.Typical BAR CUTOFF IN BEAMS AND RIBBED SLABS



6.MIN. BAR SPACING

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

- 1) 25 mm
- 2) d
- 3) 4/3 maximum size of coarse aggregate

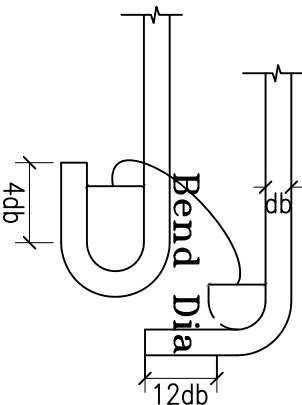
- * When two or more layers are used, bars in the upper layers are placed directly above layers in the bottom layer with clear distance between layers not less than 25 mm.

7.OTHER NOTES

- * 10 cm plain concrete under foundations
- * Curing duration = 7 days

8.STANDARD HOOKS

Bar Size	Min. Finished Bend Dia
3 through 8	6db
9,10,11	8db
14 and 18	10db



9.SPLICES

- * Splices of Reinforcement must be at least:

For Y 20 = 100 cm
For Y 22 = 110 cm
For Y 25 = 125 cm

- * Steel bars shall be lap spliced at fifty times bar diameter at least, and shall be made staggered .
- * Distance between two adjacent splice must be at least 100 cm .

LEGEND

- * (Y) (Hot Rolled High Yield Deformed Steel Bars)
- * (T) (Top Reinforcement)
- * (B) (Bottom Reinforcement)
- * (E.F)(Each Face)
- * (E.W)(Each Way)
- * Reinforcement Abbreviated Notation System Shall Be Read As In The Following Example:

Total No. of Bars	5Y12x450/100B
Steel Type	
Bar Size (mm)	
Total Length of Bar (cm)	
Spacing of Bars (cm)	
Position of Bars	

NOTES:

FOR TENDER ONLY

Not To Scale

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Date	File Name	Scale	

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UNDP

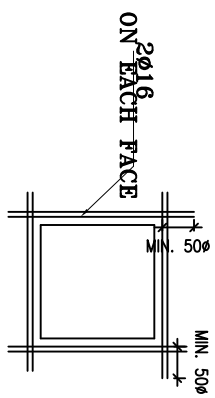
OWNER

PIEFZA

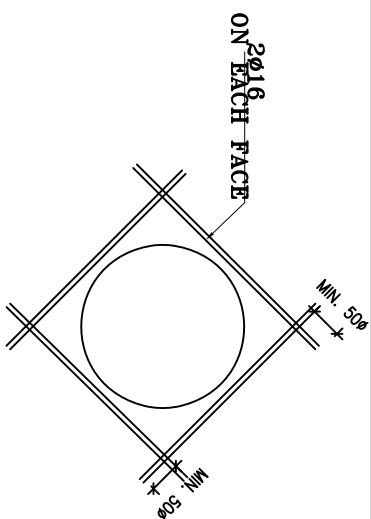
PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGE)

DRAWING NAME:-
General Notes

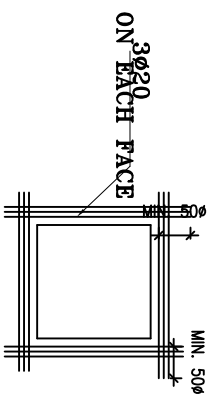
DATE	Drawing No.:	Rev. No.
	C 01	



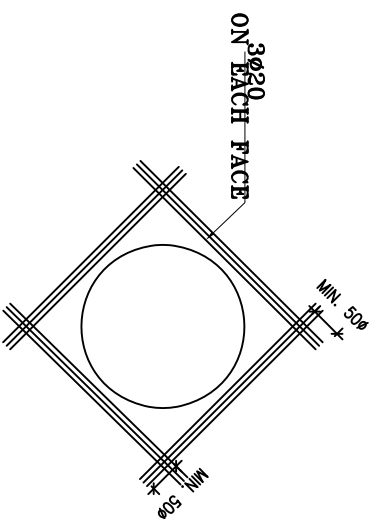
RECTANGULAR OPENING < 500mm



CIRCULAR OPENING < 500mm



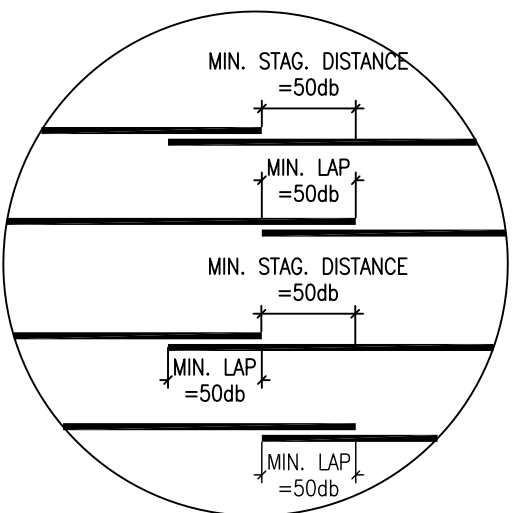
RECTANGULAR OPENING > 500mm



CIRCULAR OPENING > 500mm

DETAIL AROUND OPENING IN R.C. WALL & SLAB

(UNLESS SHOWN OTHERWISE ON DRAWINGS)

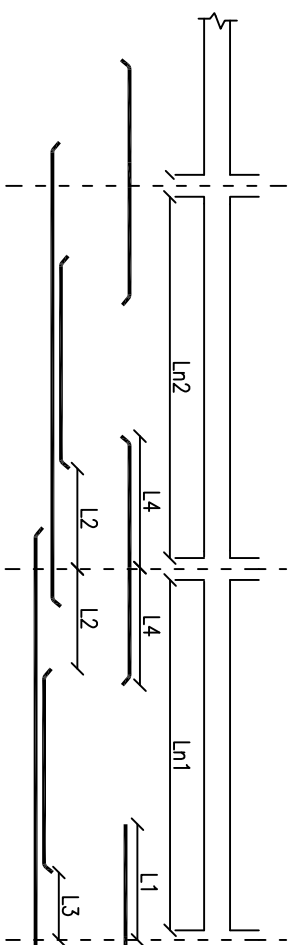


TYPICAL STAGGERING REINFORCEMENT DETAILS

(TO BE USED UNLESS SHOWN OTHERWISE ON THE DRAWINGS)

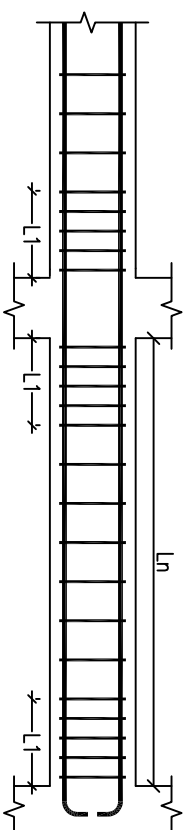
- BARS CUTOFF IN BEAMS:

Bar extension in beams shall be not less than shown below:



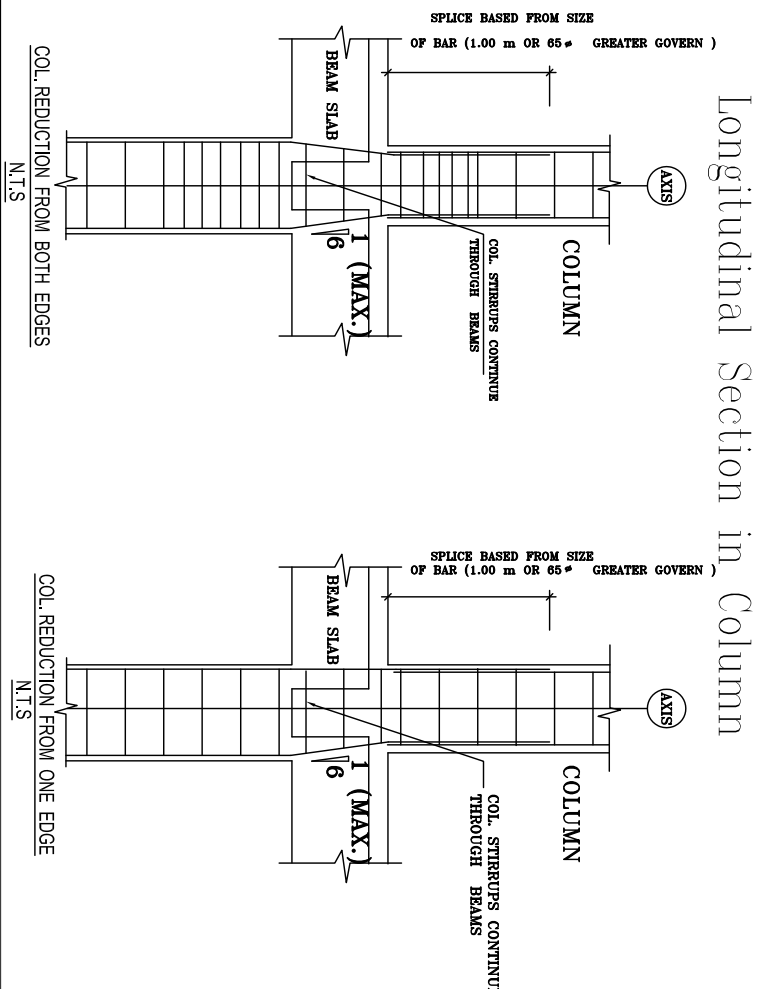
- L1= 0.25Ln1
- L2= 0.25Ln1 or 0.25Ln2 which is longer.
- L3= 0.15Ln1
- L4= 0.33Ln1 or 0.33Ln2 which is longer.

BARS CUTOFF IN BEAMS



$$-L1 = L_n/6$$

STIRRUPS CONCENTRATION DETAILS



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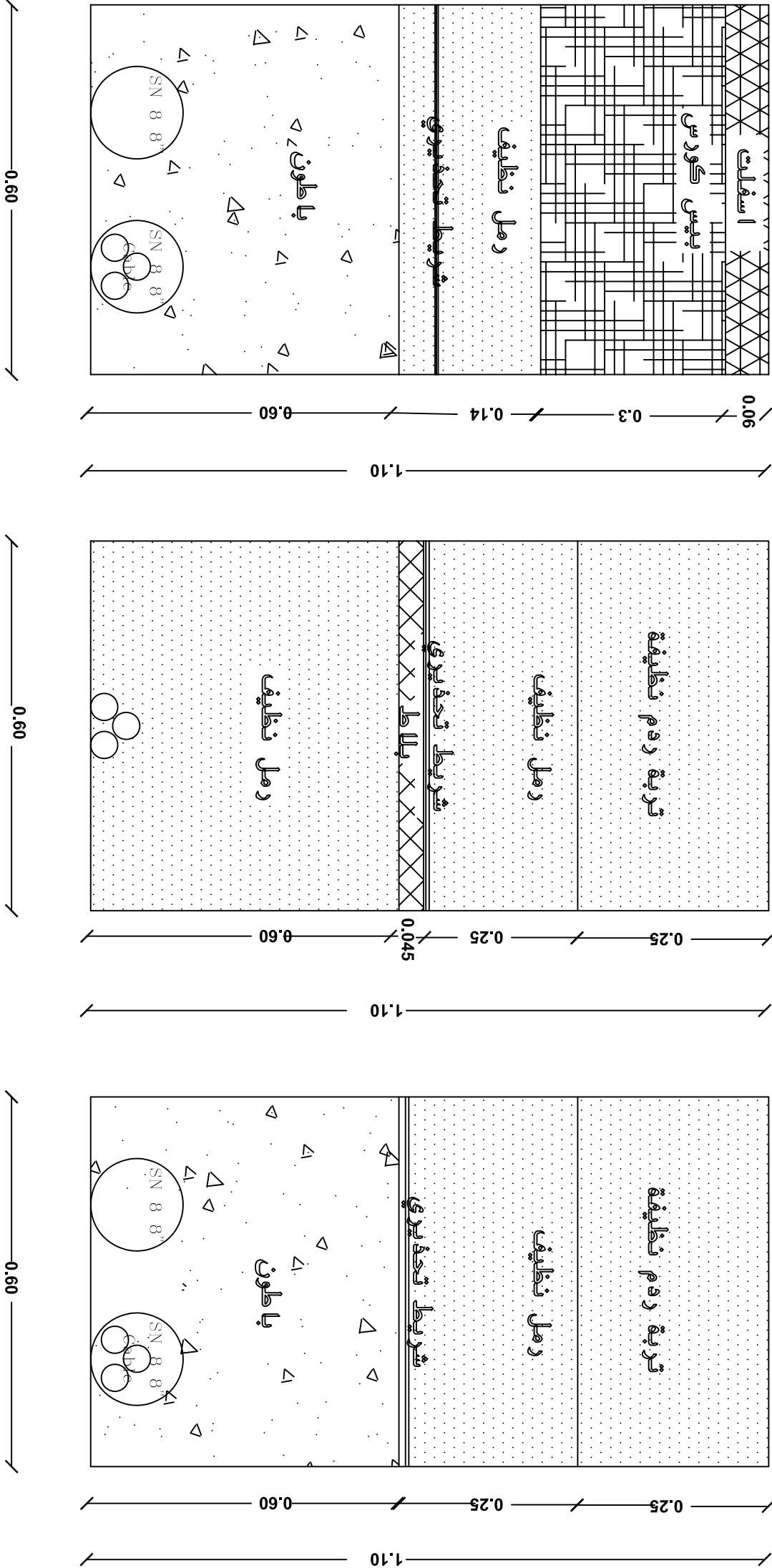
PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGIE)

DRAWING NAME:-

General Notes

Drawing No.: C 02	Rev. No.
	DATE

Details of Soil



قطاع رمل في الاسفلت في المناطق

قطاع رمل في الرصيف

قطاع رمل في المناطق

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European Union

IMPLEMENTED BY:


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PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCIGIE)

DRAWING NAME:-
Details of Soil

DATE	Drawing No.:	Rev. No.
	C 03	

NOTES:

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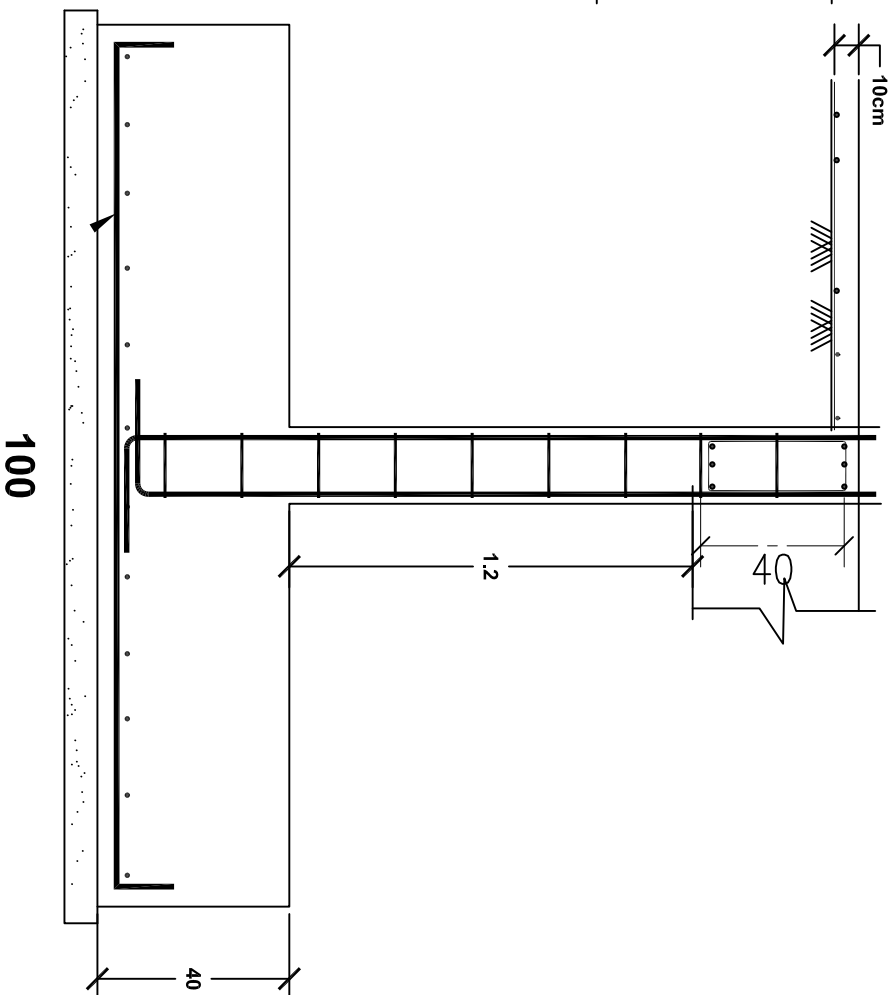
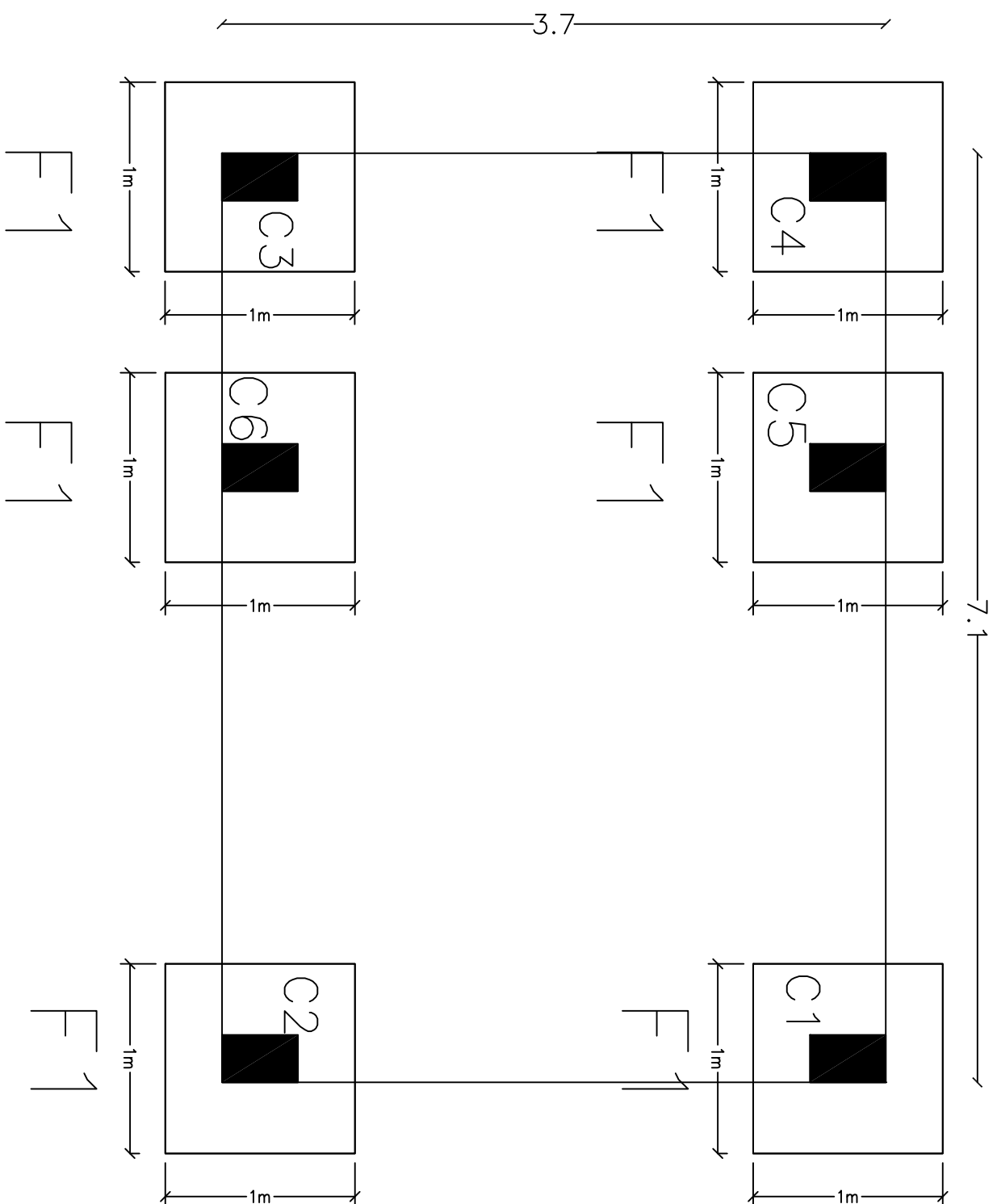
FZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGIE)

DRAWING NAME:-

Excavation and backfill -Type A

DATE	Drawing No.: C 04	Rev. No.



Excavation and Backfill Type A

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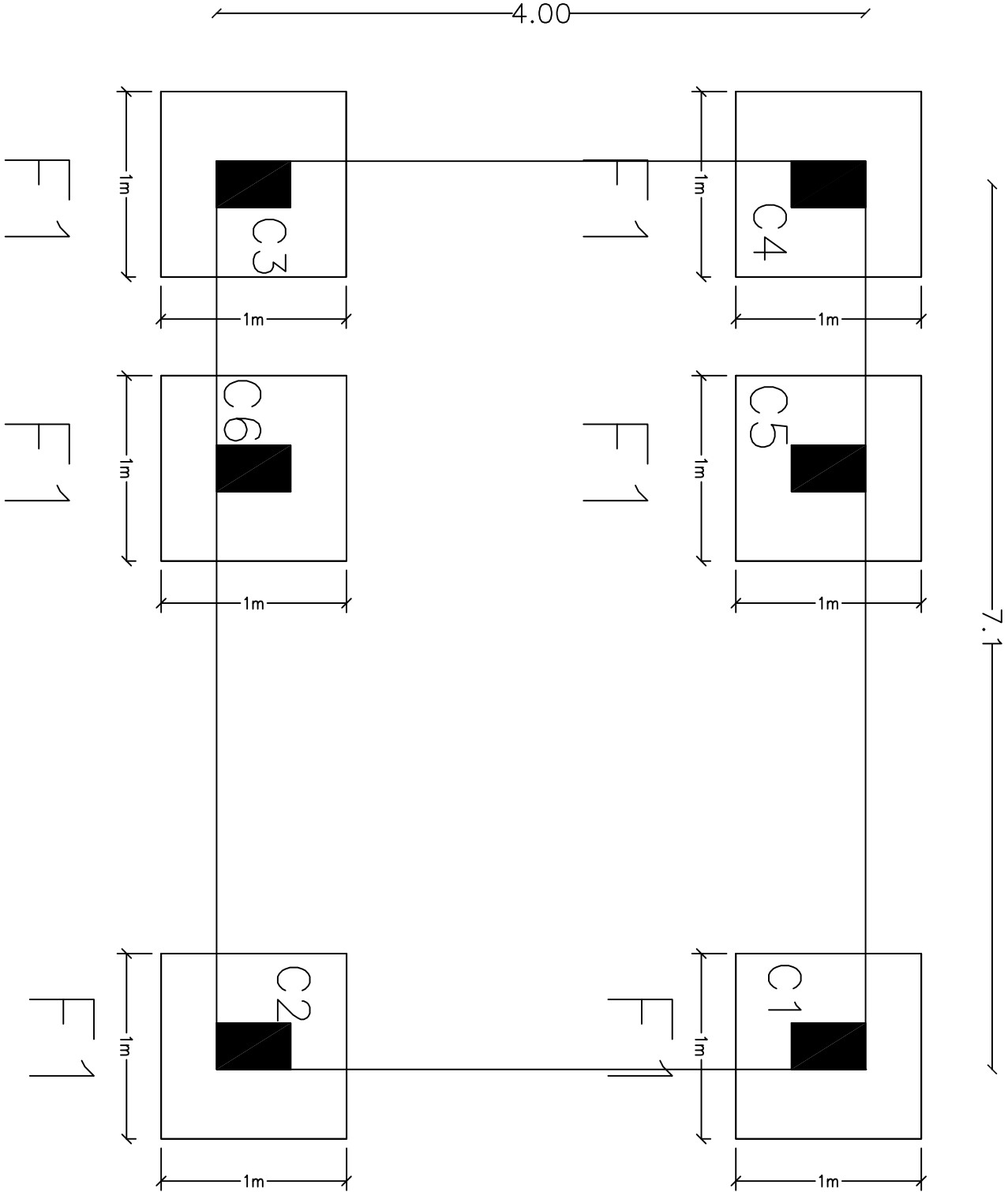


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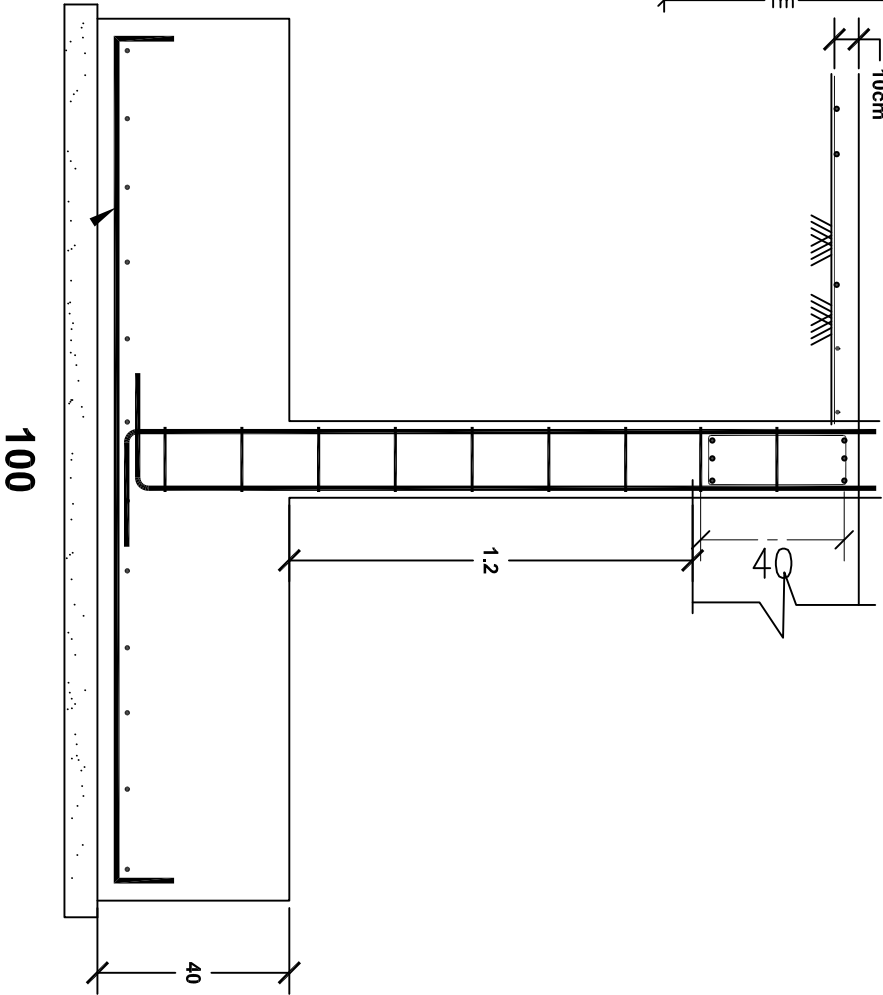
PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

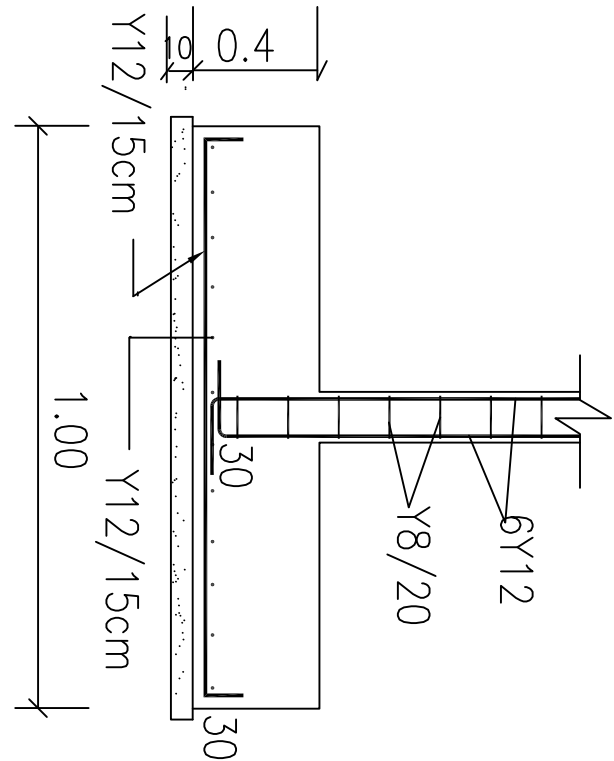
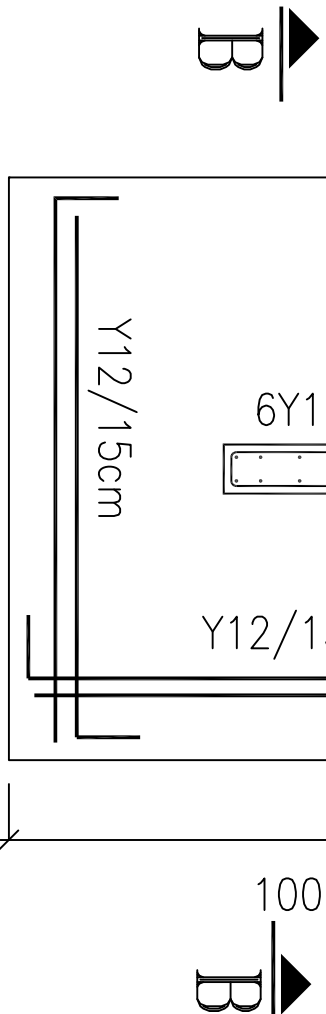
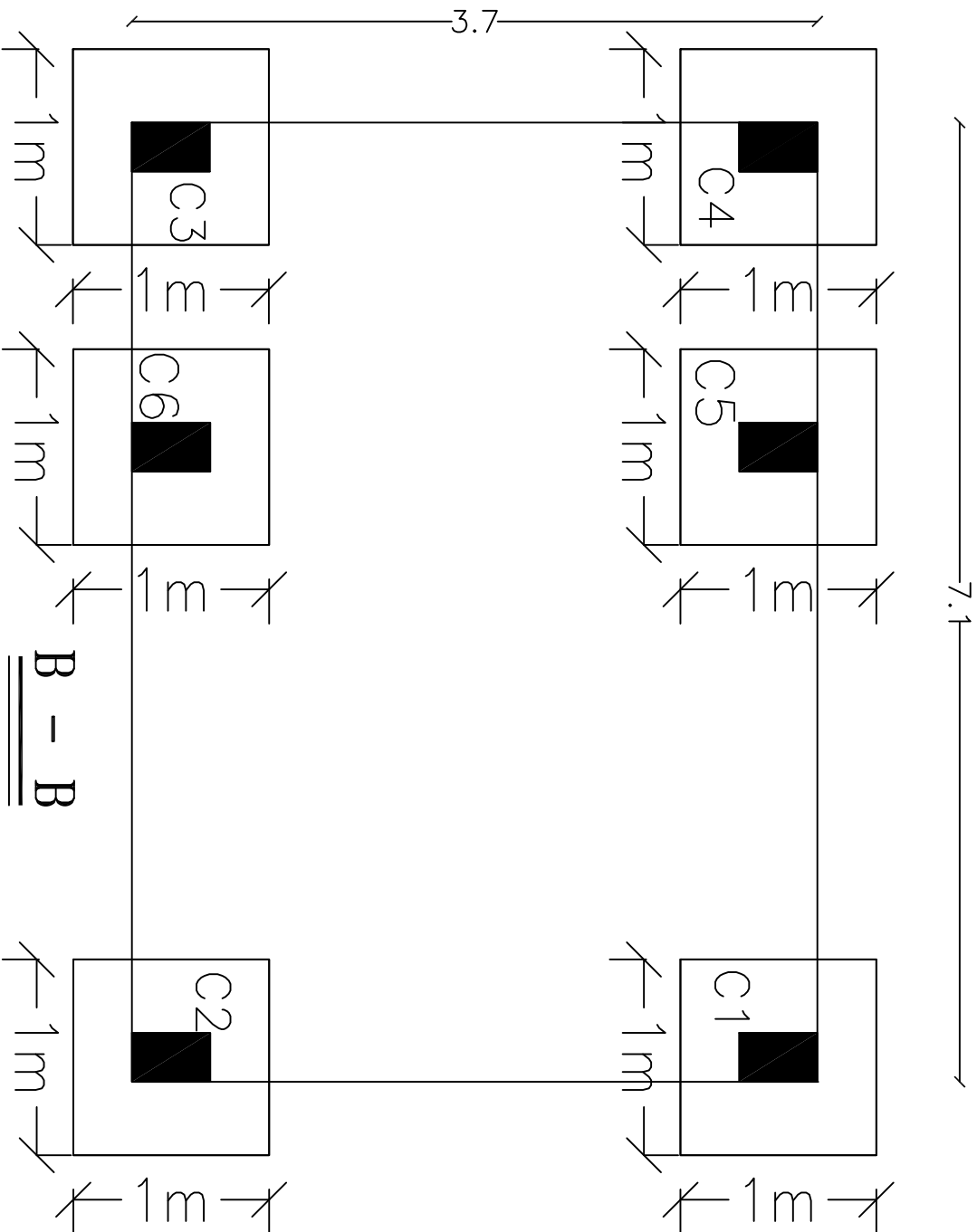
DRAWING NAME:-
Excavation and backfill – Type B

DATE	Drawing No.:	Rev. No.
	C 05	



Excavation and Backfill Type B





جدول تسليح القواعد

رقم العمود	الارتفاع	حديد التسليح	
		سم	انجاة العرض
F1	1,2,3,4,5,6	100X100X40	Ø12/15cm

Foundations Type A

تصميمية نسجية

F1 - القاعدة

NOTES:

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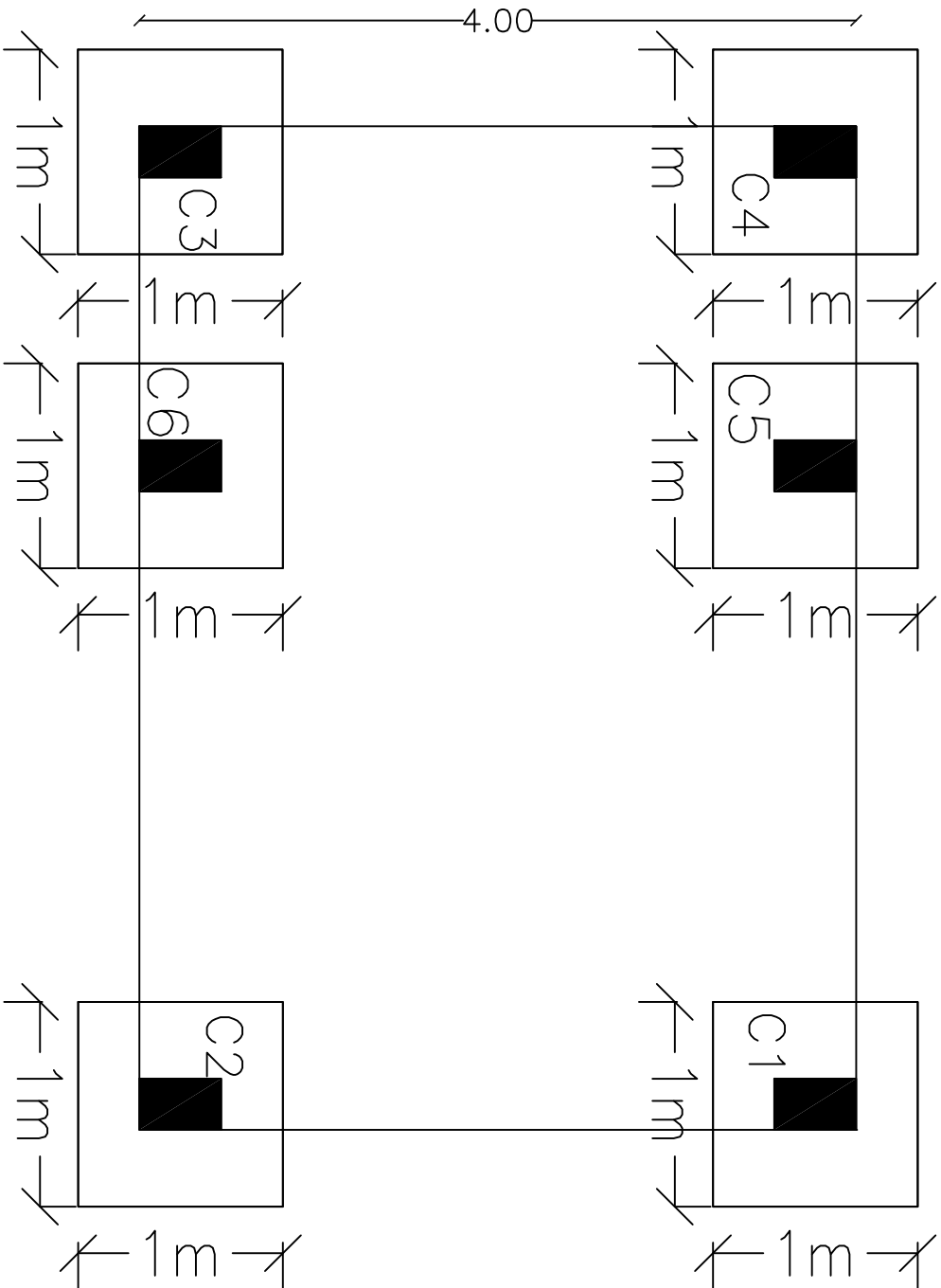
PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-
Foundation –Type A

DATE	Drawing No.:	Rev. No.
	C 06	

7.1

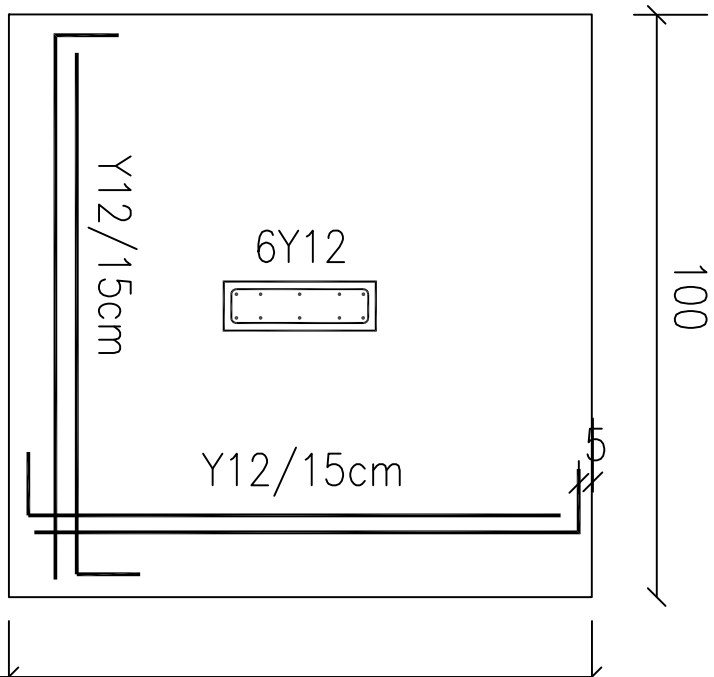


B - B

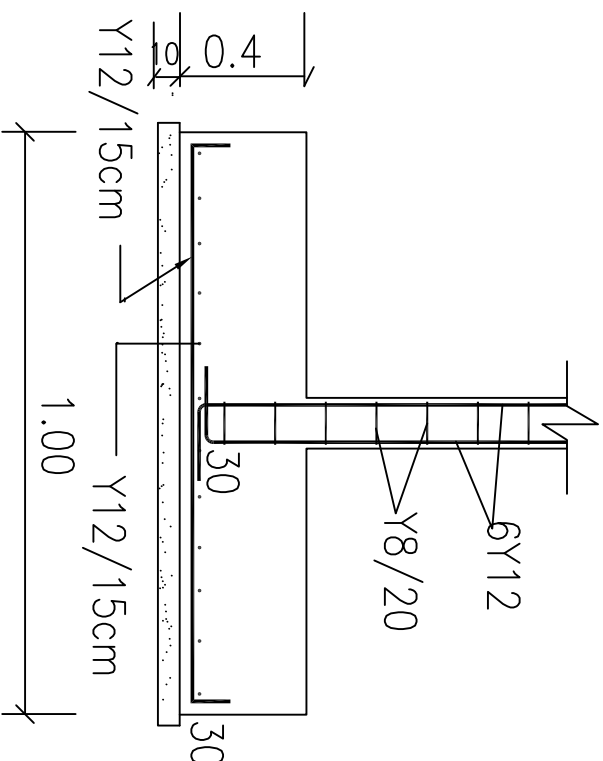
جدول تسليح القواعد

رقم العمود	الابعاء	حديد التسليح	
		سم	الابعاء العرضي
F1	1,2,3,4,5,6	100X100X40	Ø12/15cm

B



100
B



Foundations

Type B

تفاصيل نسبية

F1 - القاعدة

NOTES:

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PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCIE)

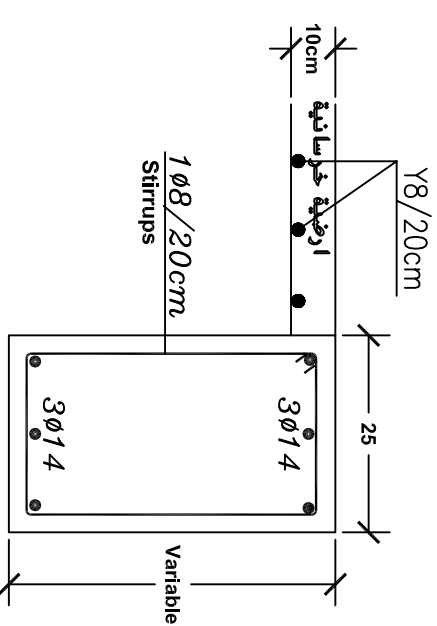
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Foundation – Type B

DATE	Drawing No.:	Rev. No.
	C 07	

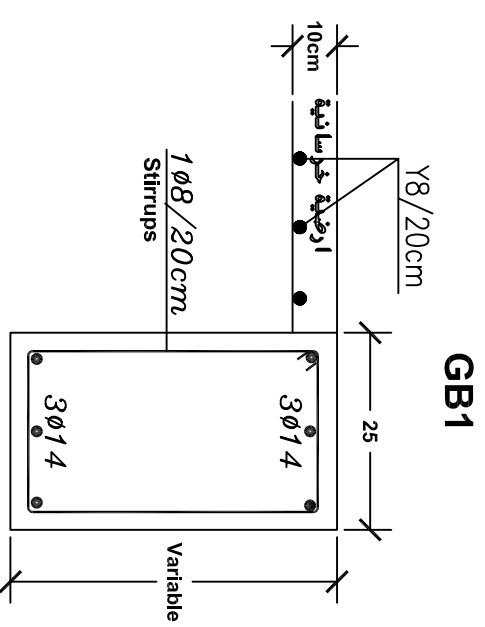
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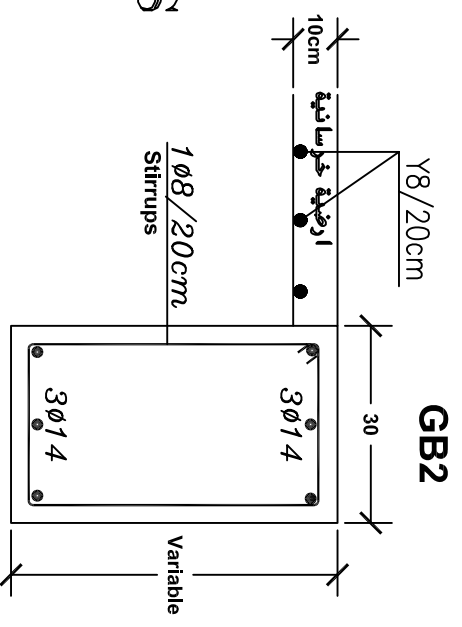
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Section 1-1



Section 2-2



Section 3-3



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**FZA**

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RGIE)

NAME:-

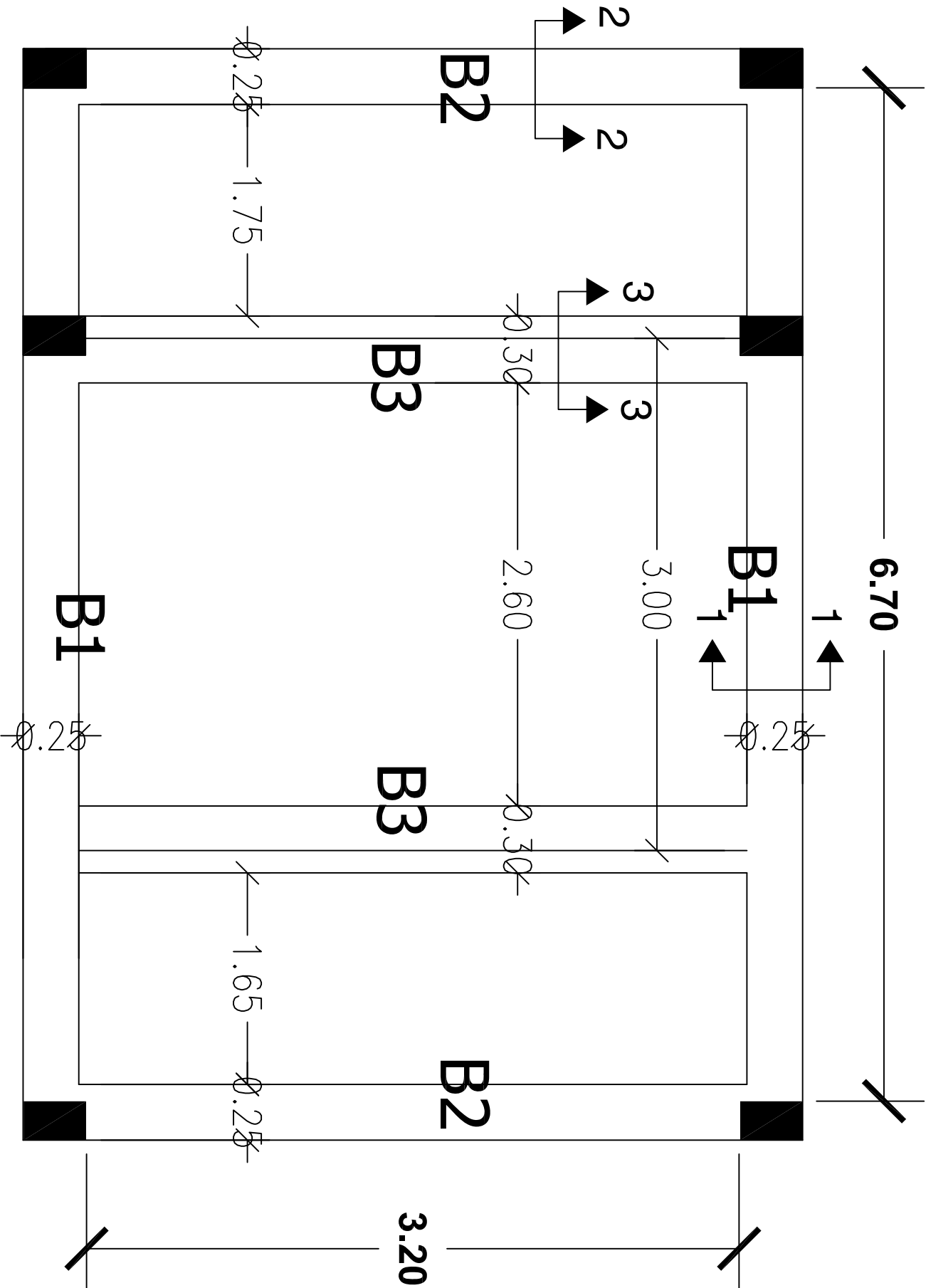
Ground Beams - Type A

Drawing No.:

C 08

Type	Dimensions		Bottom Reinf. 	Top Reinf. 	Stirrups
	Width (cm)	Height (cm)			
GB1	25	Variable	3Ø14	3Ø14	1Ø8/20cm
GB2	25	Variable	3Ø14	3Ø14	1Ø8/20cm
GB3	30	Variable	3Ø14	3Ø14	1Ø8/20cm

Ground Beams Table



Ground Beams Type A

NOTES:

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UNDP Team	UNDP Team	UNDP Team	UNDP Team
Date	File Name		Scale

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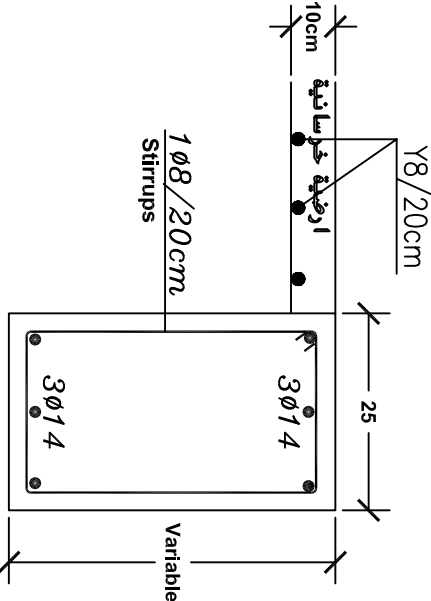


PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

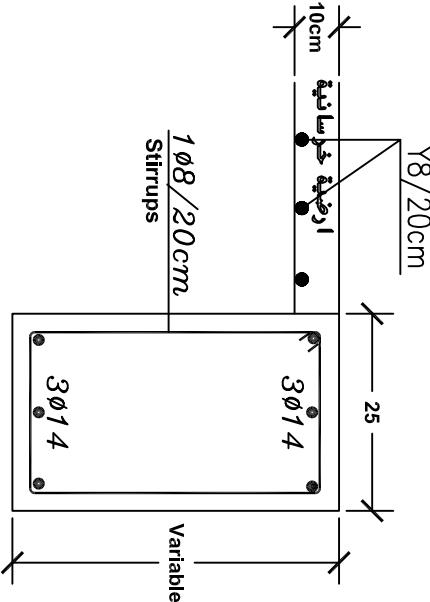
DRAWING NAME:-
Ground Beams -Type B

DATE	Drawing No.:	Rev. No.
	C 09	



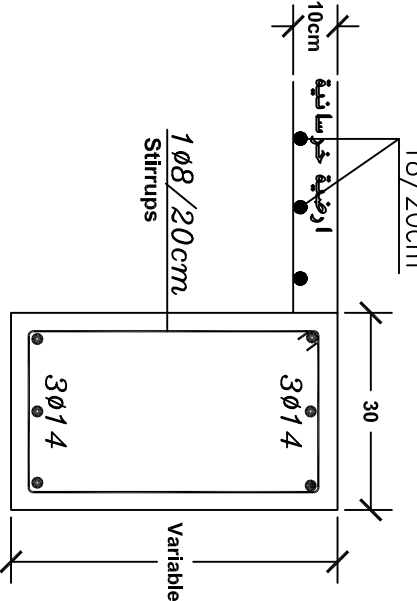
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GB1



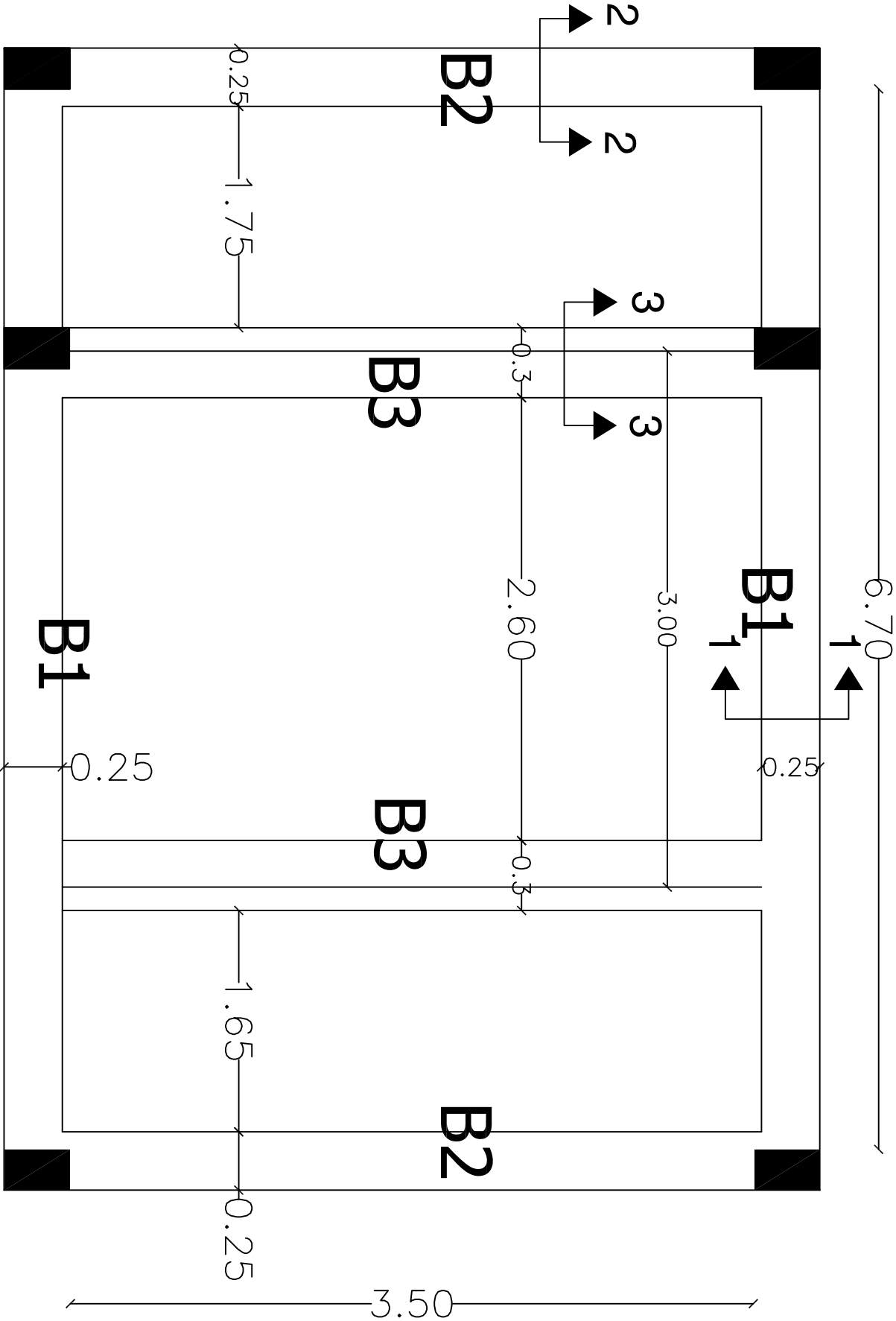
Section 2-2

GB2



Section 3-3

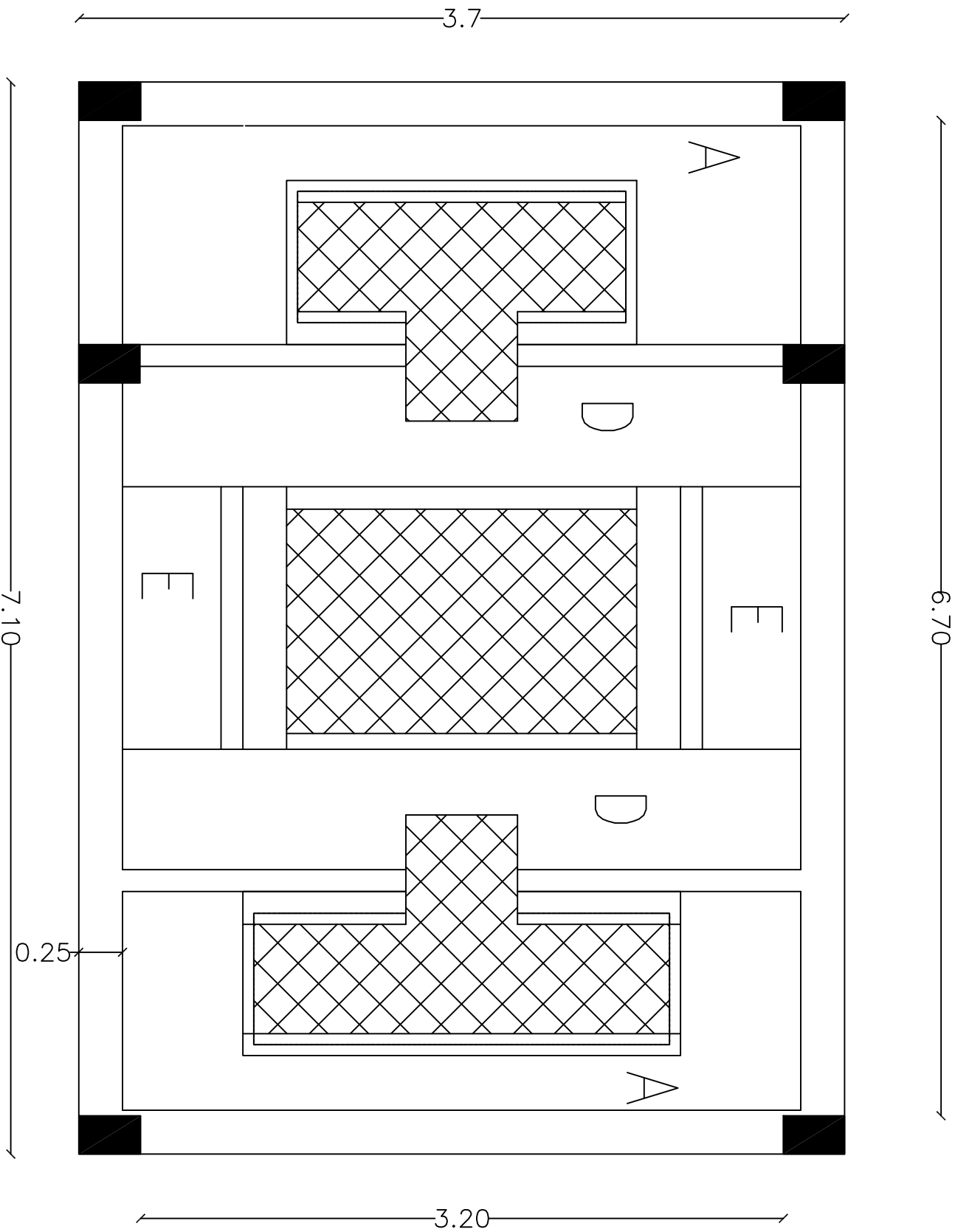
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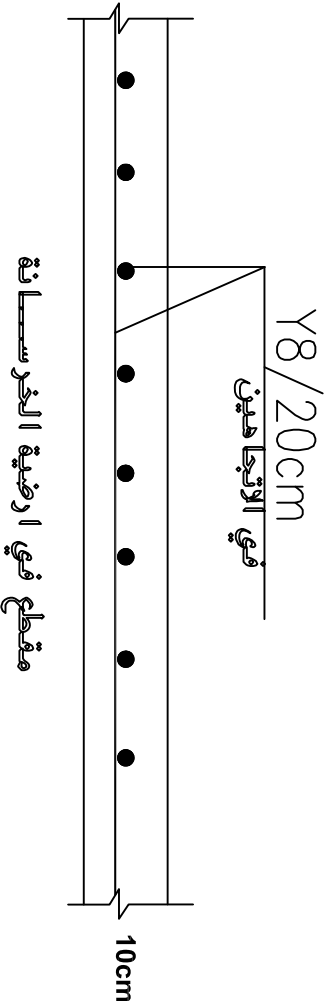
Ground Beams Table

Type	Dimensions		Bottom Reinf.	Top Reinf.	Stirrups
	Width (cm)	Height (cm)			
GB1	25	Variable	3Ø14	3Ø14	1Ø8/20cm
GB2	25	Variable	3Ø14	3Ø14	1Ø8/20cm
GB3	30	Variable	3Ø14	3Ø14	1Ø8/20cm

Ground Beams Type B



Ground Slab Type A



NOTES:

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PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCRIE)

DRAWING NAME:-

Ground Slab –Type A

DATE	Drawing No.:	Rev. No.
	C 10	

NOTES:

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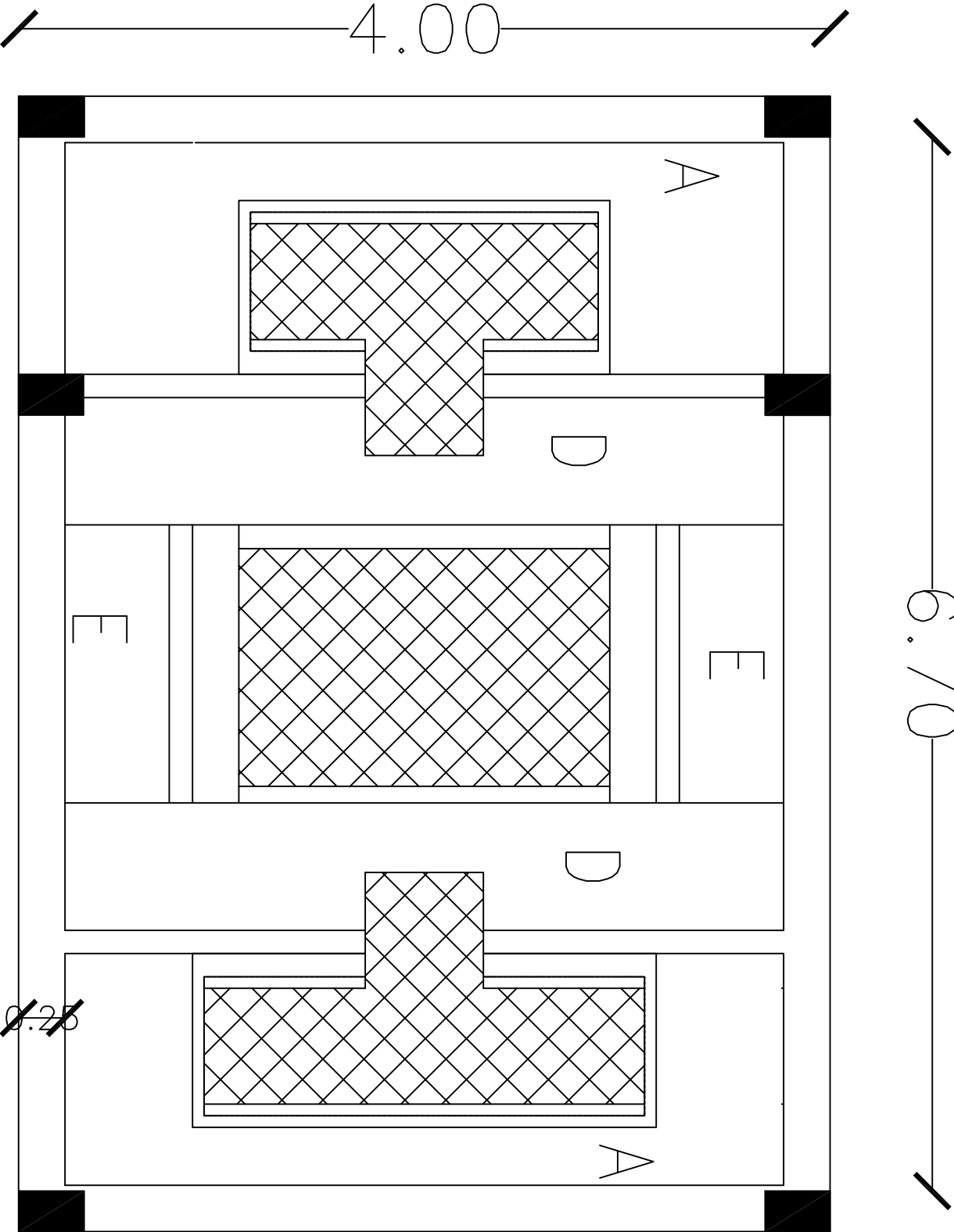


PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCRIE)

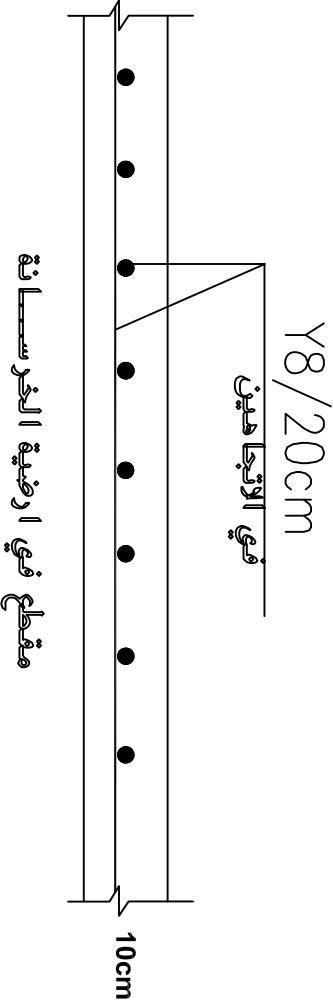
DRAWING NAME:-

Ground Slab – Type B

DATE	Drawing No.:	Rev. No.
	C 11	



Ground Slab Type B



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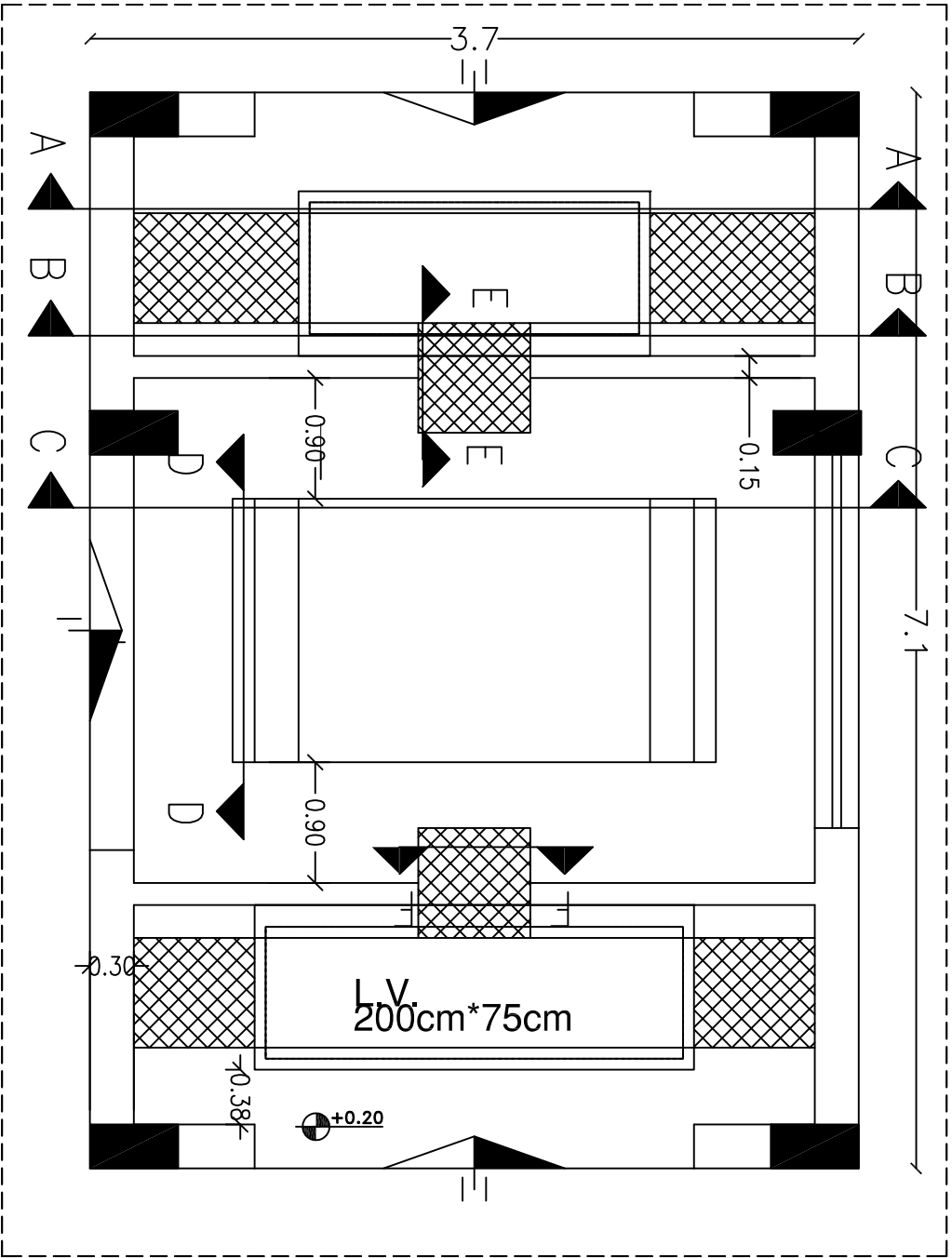
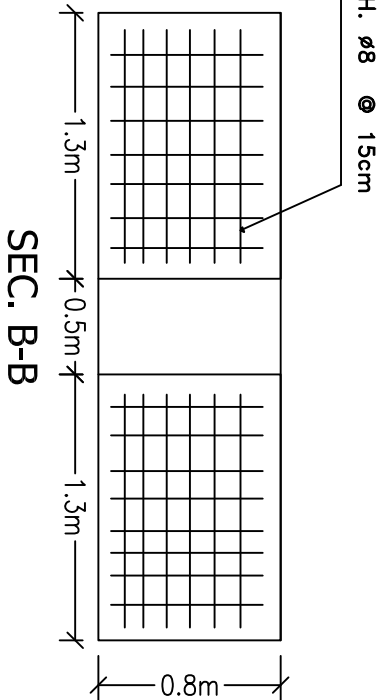
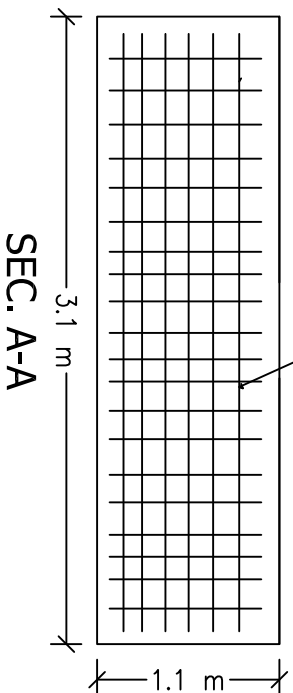
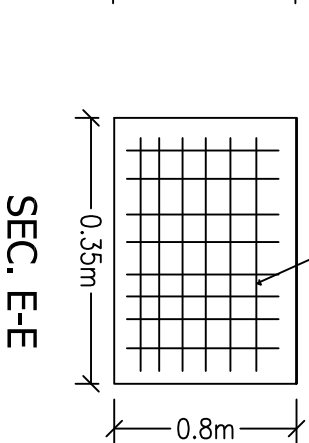
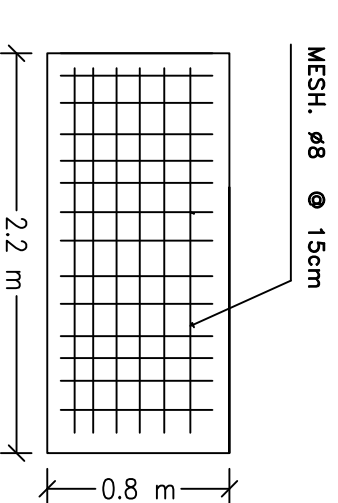
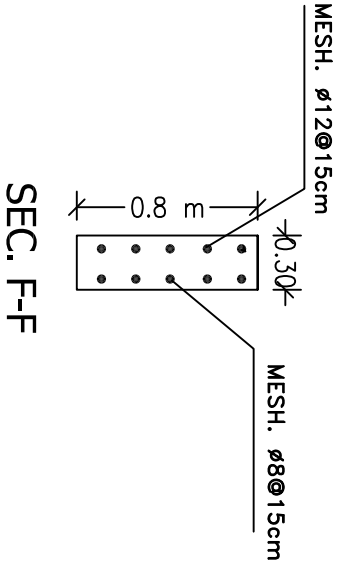
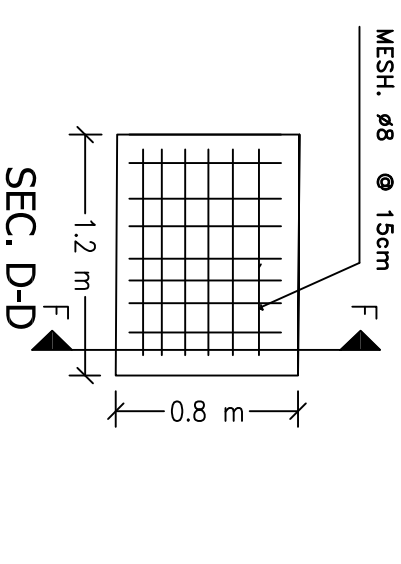


PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-
Ground Beam Wall Trenches
Type A

DATE	Drawing No.:	Rev. No.
	C 12	



Ground Beam Wall trenches Type A

NOTES:

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

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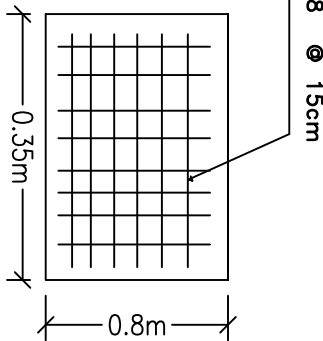
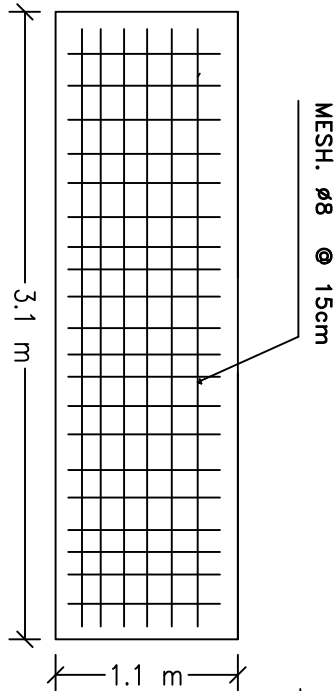
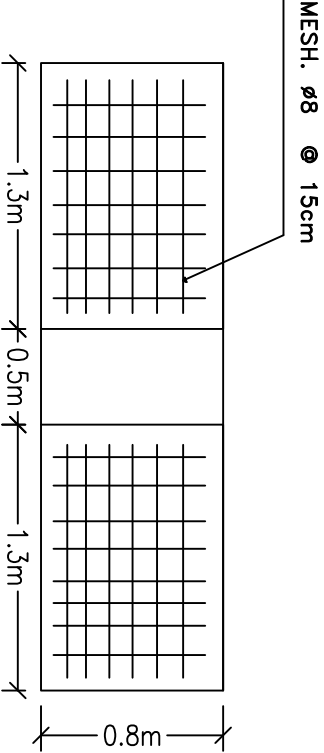
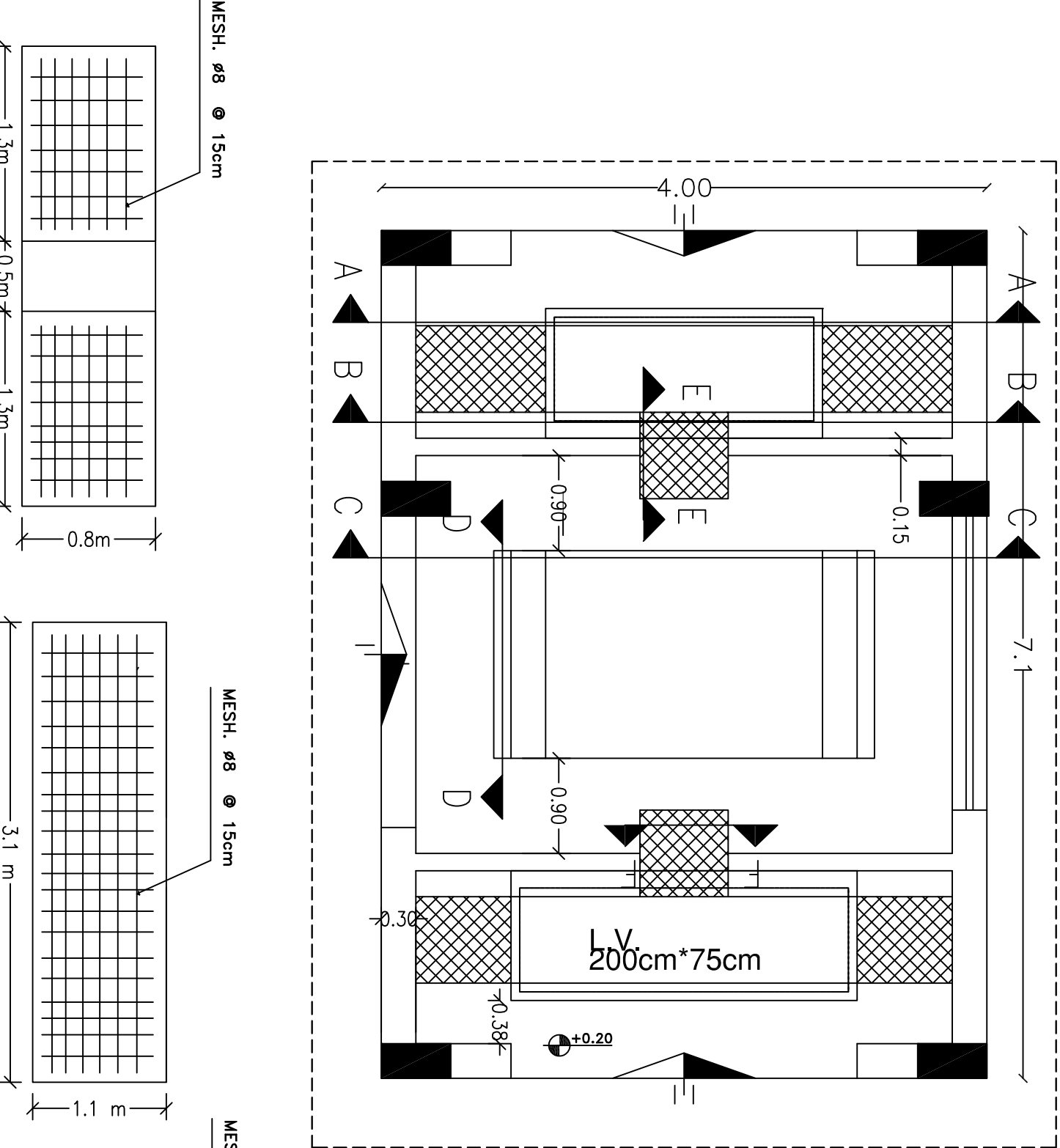
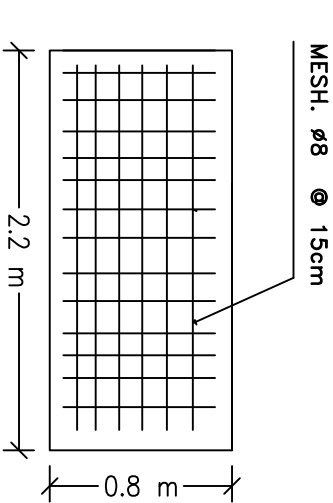
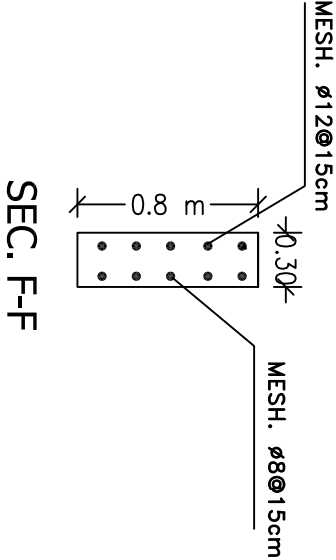
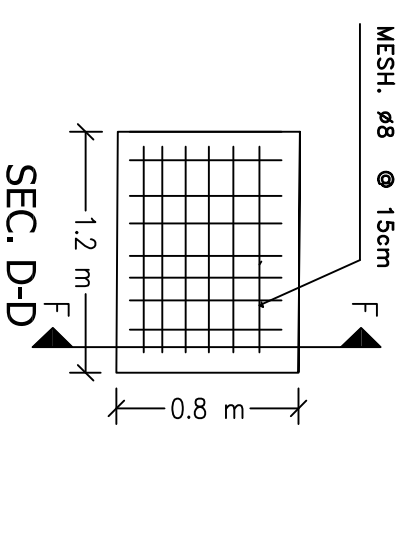
PROJECT:-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Ground Beam Wall Trenches Type B

DATE	Drawing No.:	Rev. No.
	C 13	



Ground Beam Wall Trenches Type B

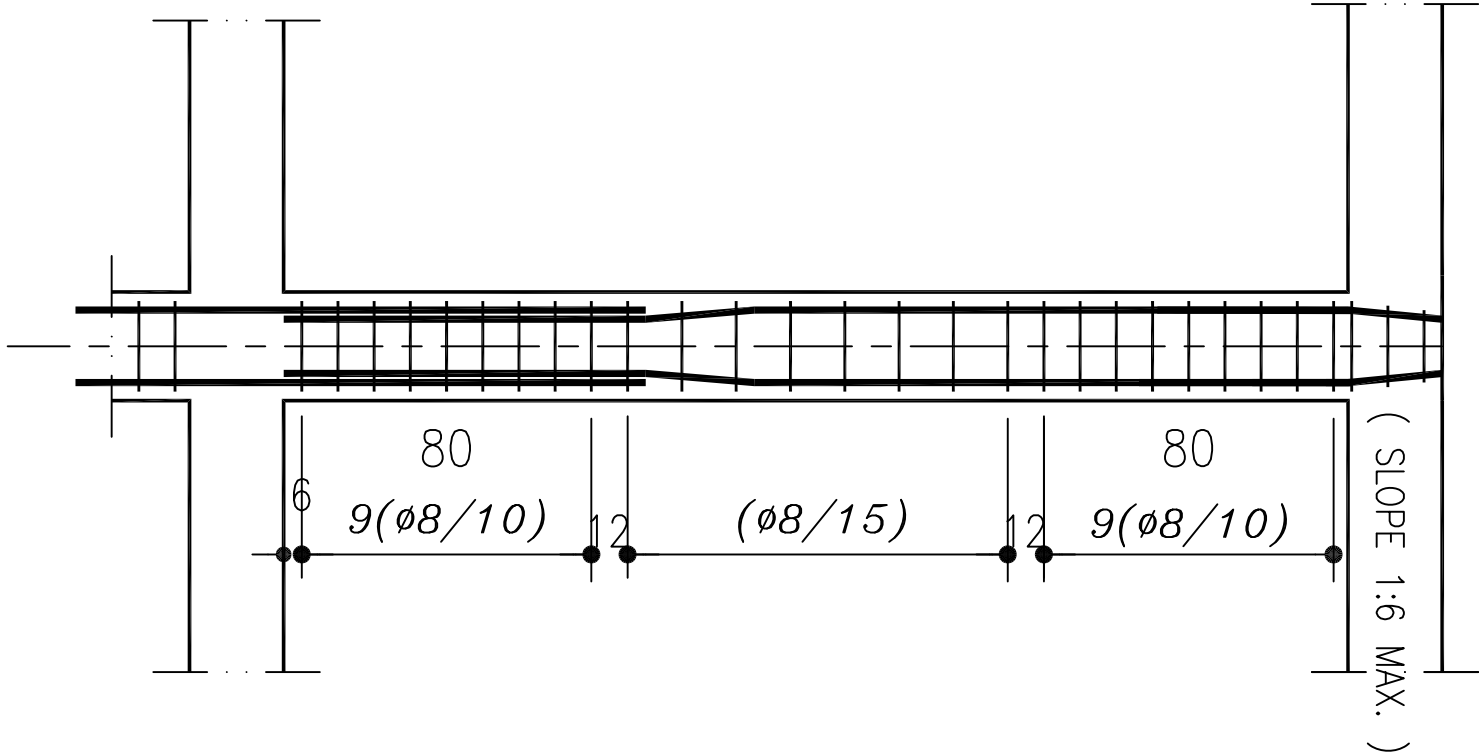
Neck columns & Columns

جدول تسليح الأعمدة

أبعاد وحديد التسليح للأعمدة				المقطع
رقم العمود	أبعاد العمود	حديد التسليح	الكثافات	6ø12
1,2,3,4,5,6	20 X 40	6ø12	ø8@20cm	

جدول تسليح رقاب الأعمدة

أبعاد وحديد التسليح للأعمدة				المقطع
رقم العمود	أبعاد العمود	حديد التسليح	الكثافات	6ø12
1,2,3,4,5,6	25 X 50	6ø12	ø8@20cm	



Typical Details

NOTES:

FOR TENDER ONLY

Not To Scale

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No.	Description	Date By
Revisions		

Designed	Drawn	Checked	Approved
UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale

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European Union

IMPLEMENTED BY:



OWNER



PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Neck Columns & Columns

DATE	Drawing No.:	Rev. No.
	C 14	

NOTES:

FOR TENDER ONLY

Not To Scale

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No.	Description	Date	By
Revisions			

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale
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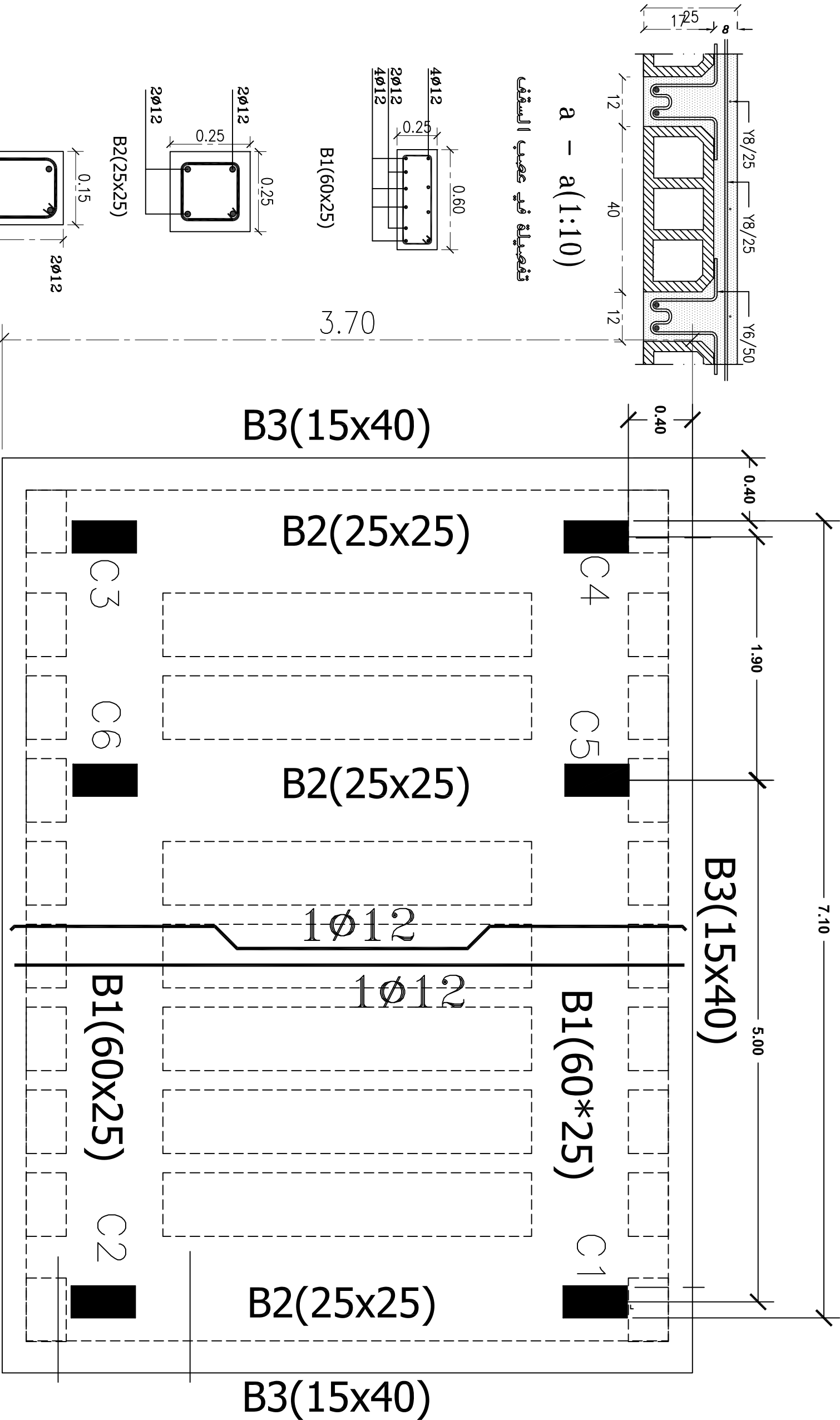


PIEFZA

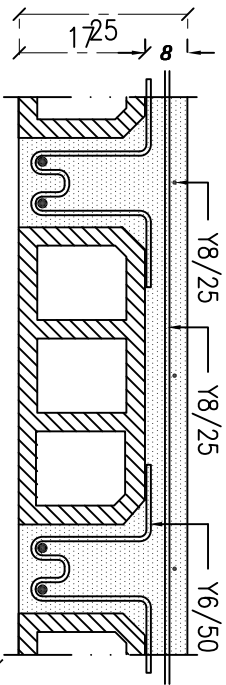
PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-
Ribbed Slabs – Type A

DATE	Drawing No.:	Rev. No.
	C 15	

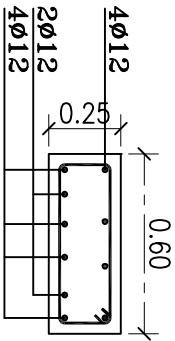


Ribbed Slabs
Type A

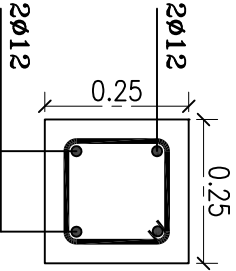


a – a(1:10)

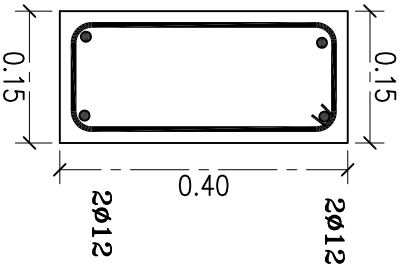
تفصيلية في عصب السقف



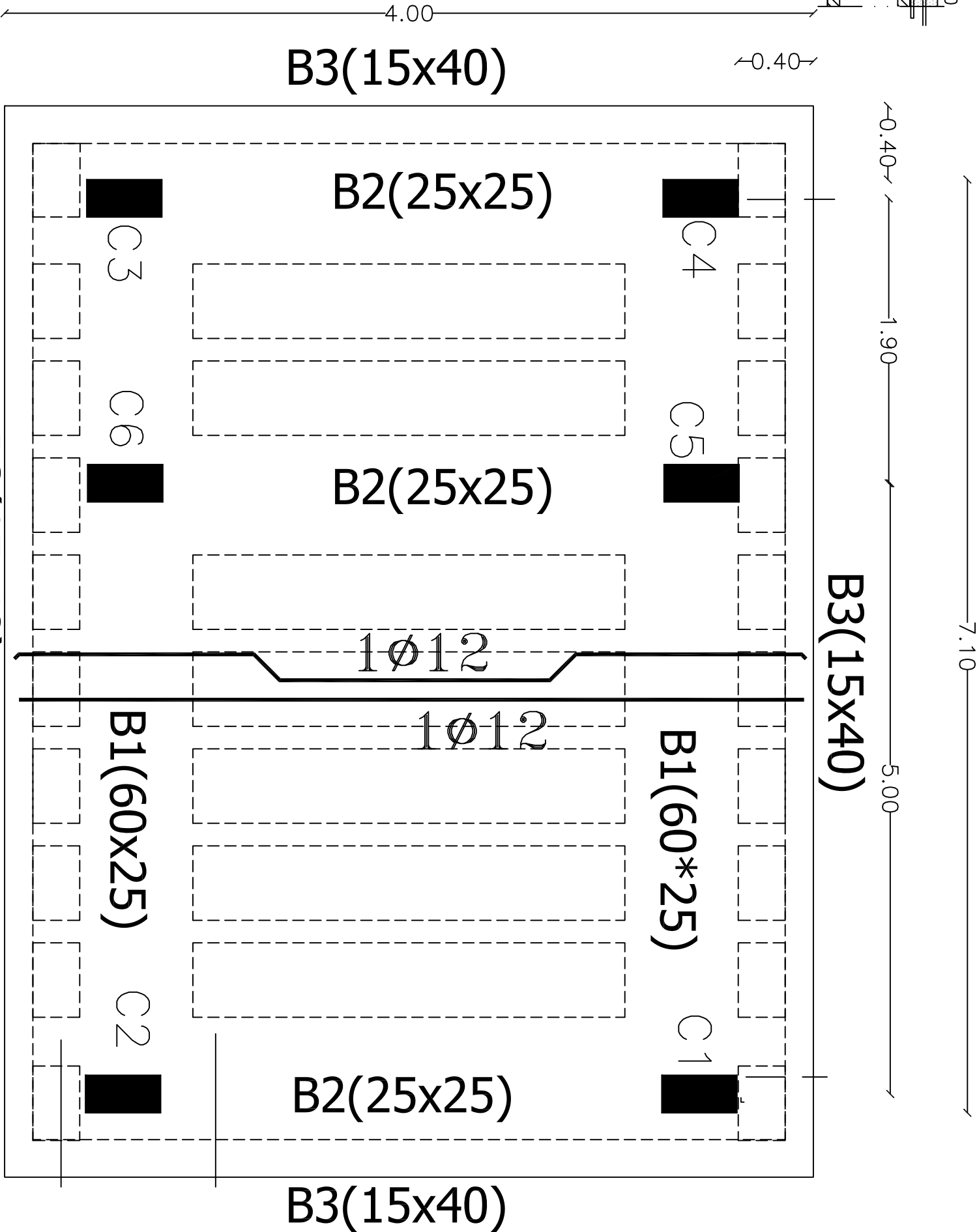
B1(60x25)



B2(25x25)



B3(15x40)



Ribbed Slabs
Type B

NOTES:

FOR TENDER ONLY

Not To Scale

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No.	Description	Date By
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European Union

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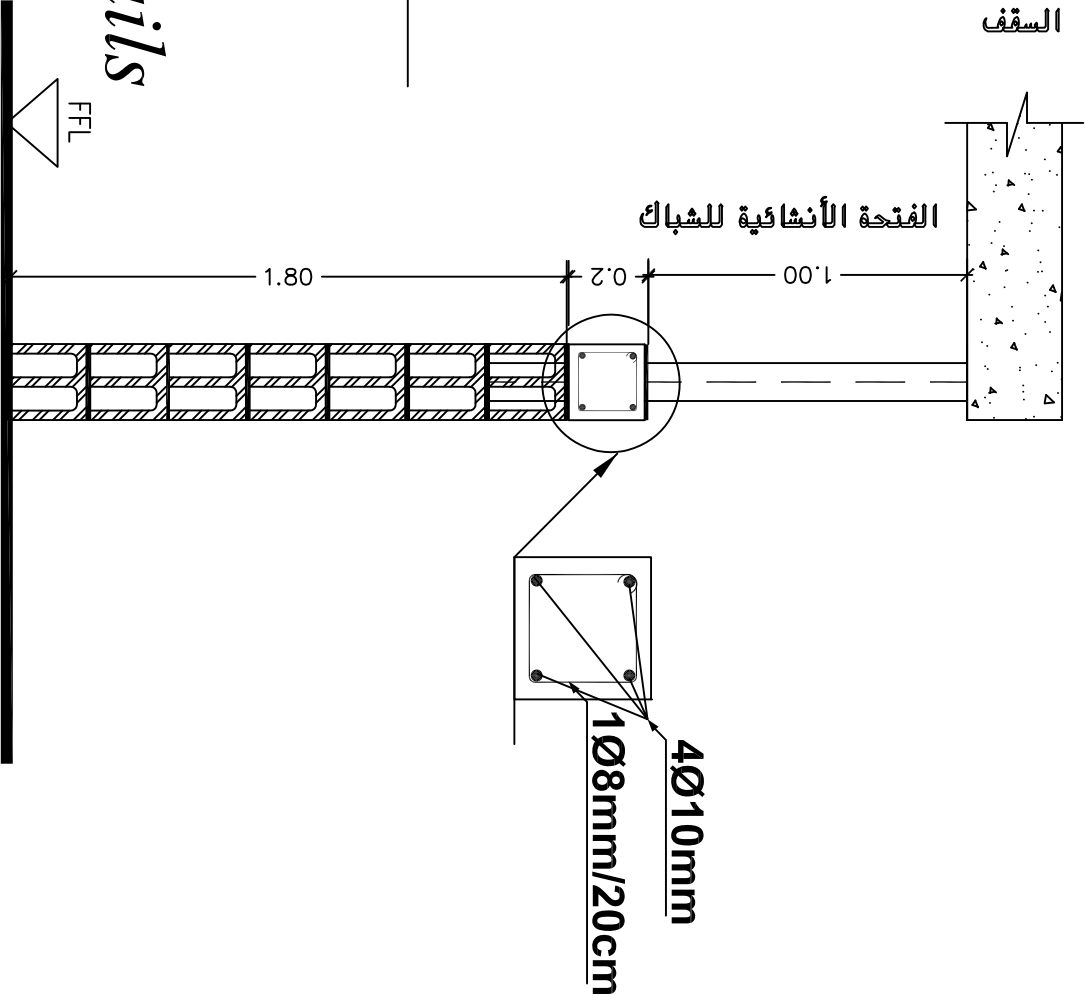
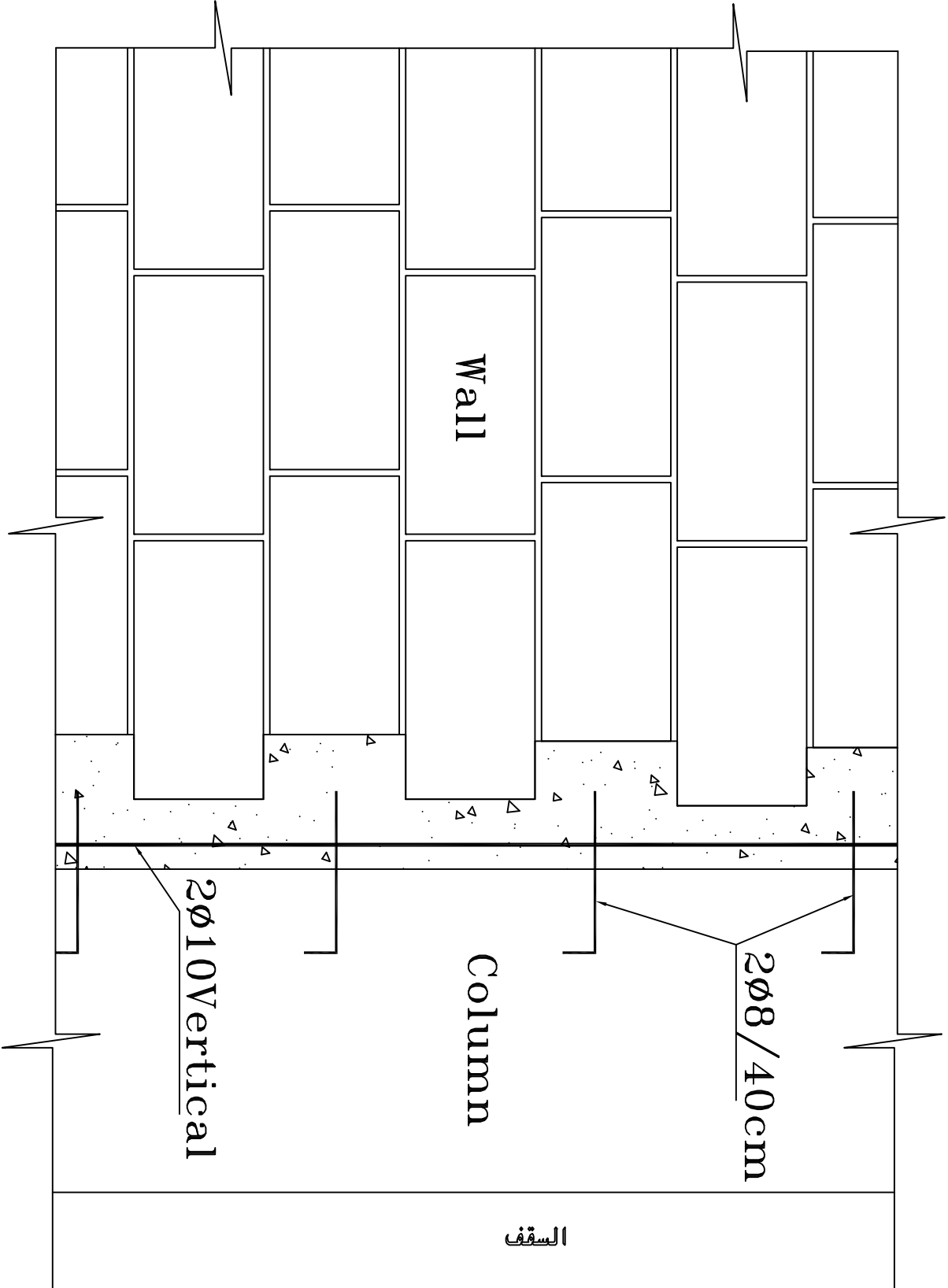
PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Ribbed Slabs – Type B

DATE	Drawing No.:	Rev. No.
	C 16	

NOTES:



Connection between column & wall Details

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No.	Description		Date	By
Revisions				
Designed	Drawn	Checked	Approved	
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IMPLEMENTED BY:	
	
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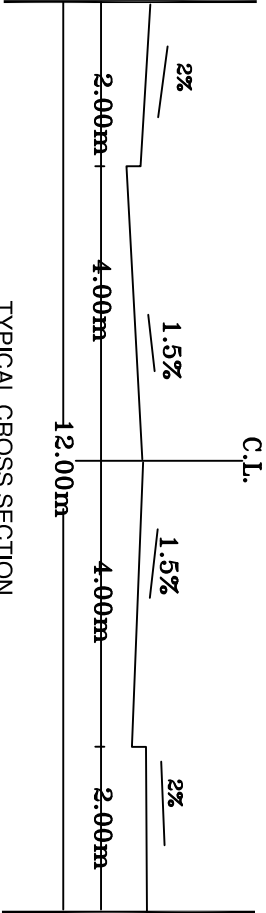
OWNER	
	
PIEFZA	

PROJECT:-	
REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCRIE)	

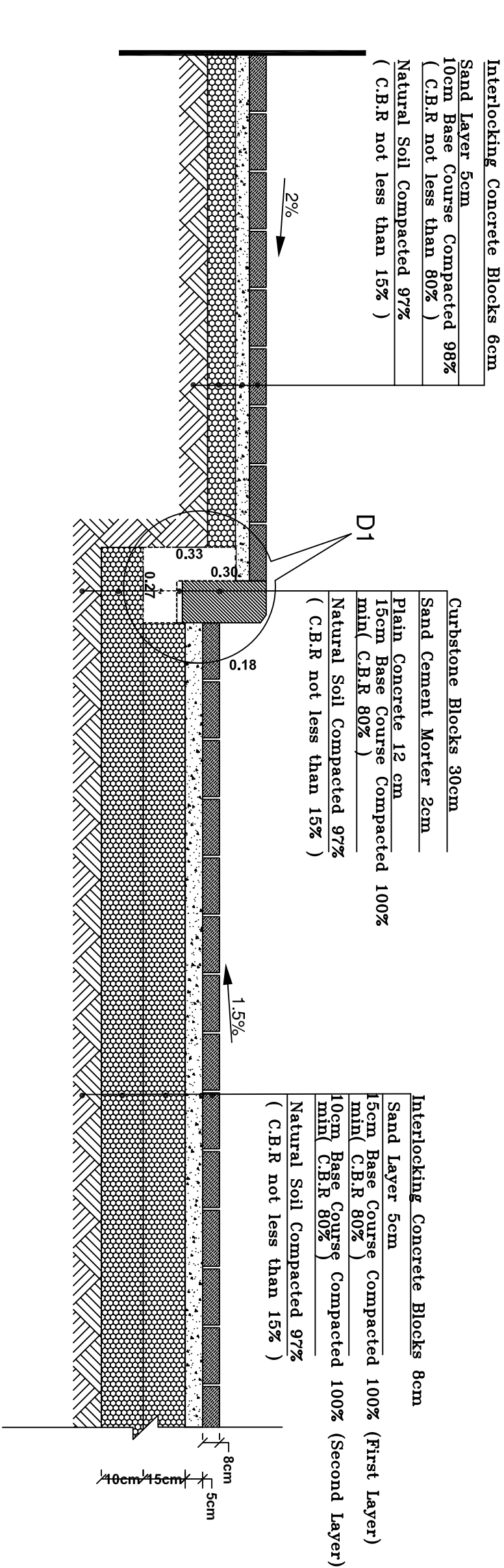
DRAWING NAME:-	
Connection between column & wall Details	

DATE	Drawing No.:	Rev. No.
	C 17	

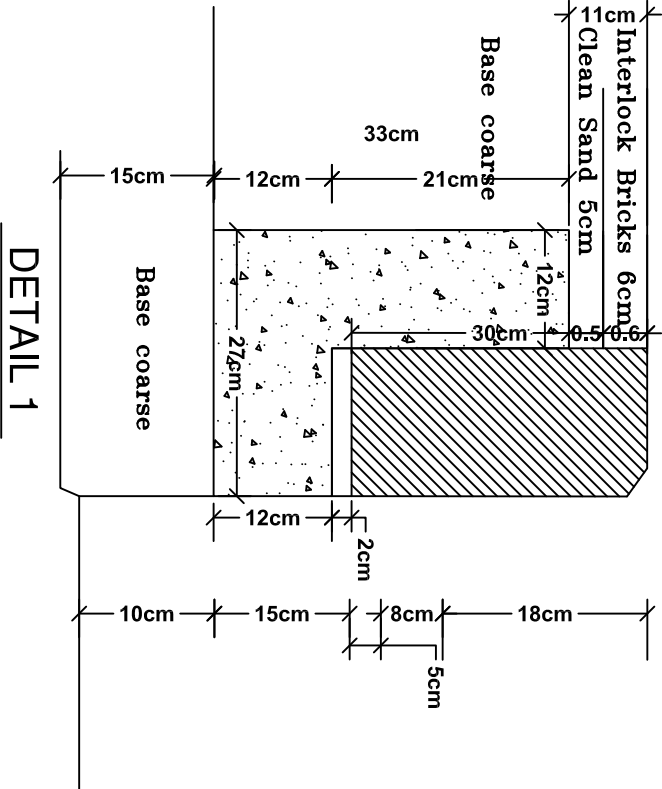
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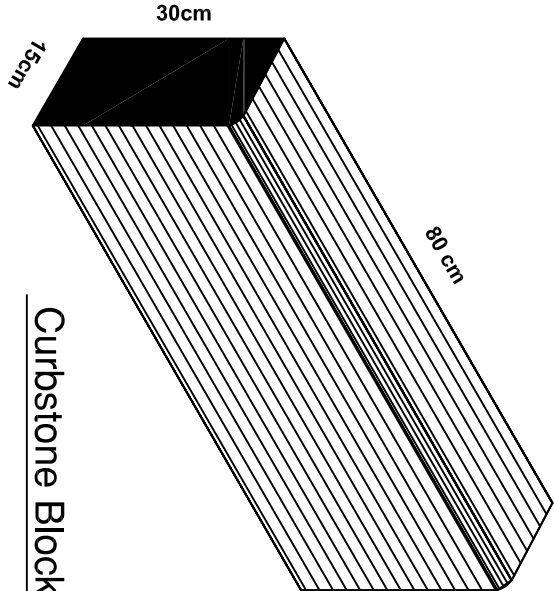
TYPICAL CROSS SECTION



TYPICAL CROSS SECTION



DETAIL 1



Curbstone Blocks

OWNER



European Union

IMPLEMENTED BY:



UN DDP

OWNER



PIEFZA

PROJECT:-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

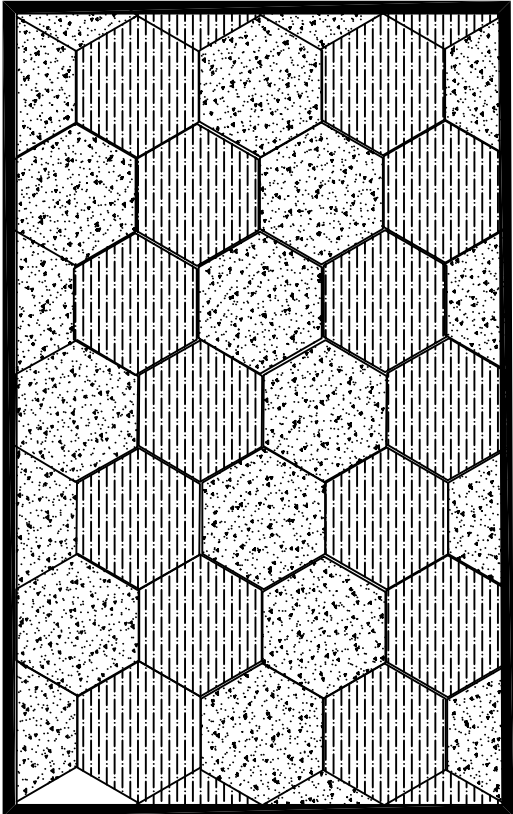
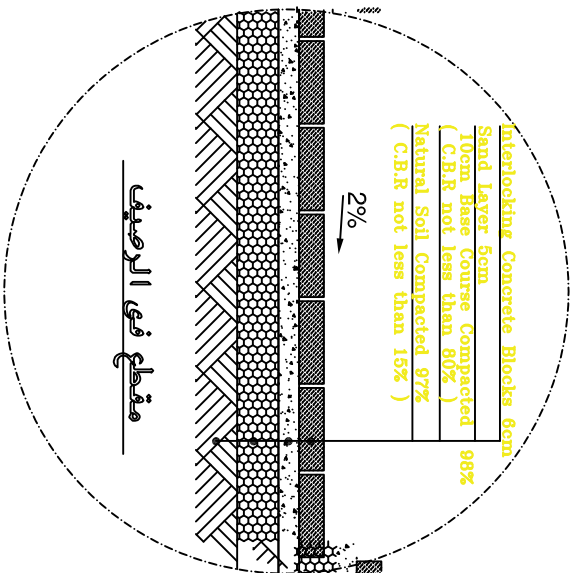
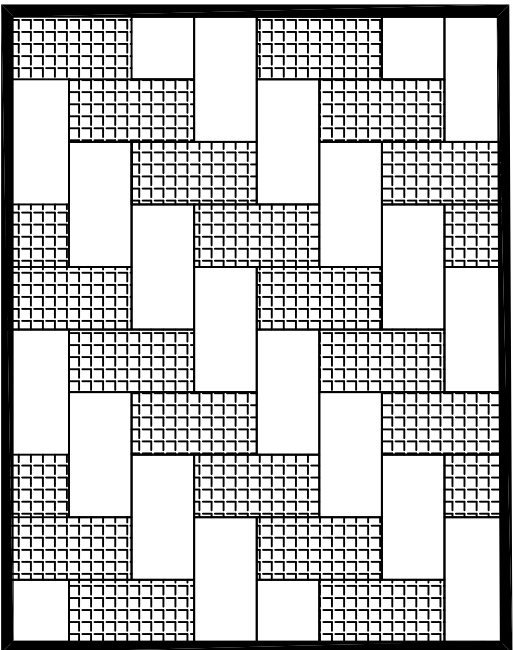
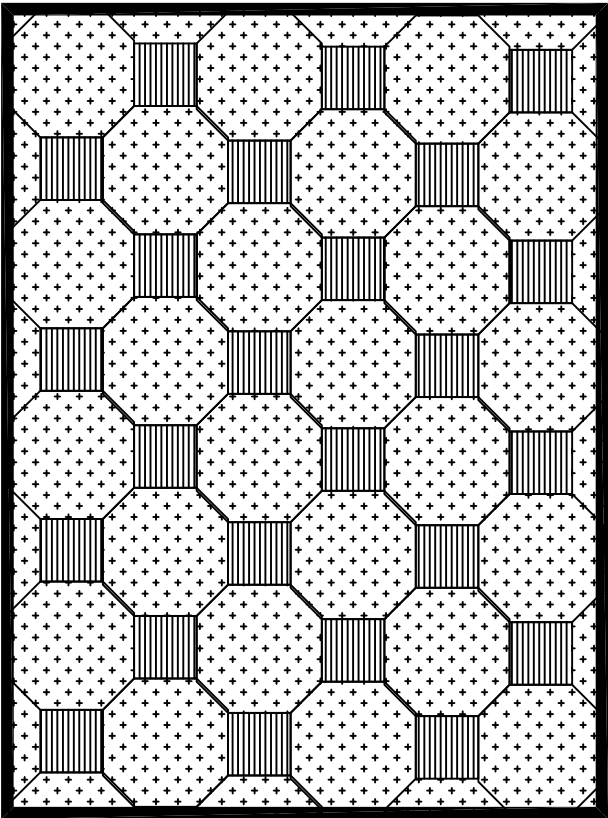
Details

DATE

Drawing No.:

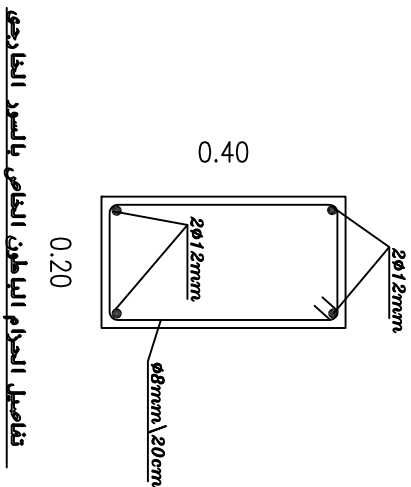
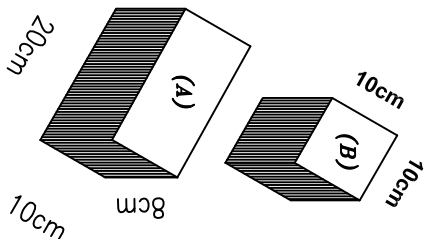
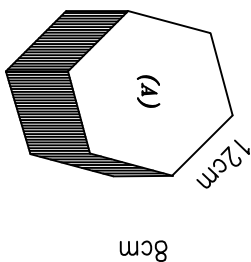
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Rev. No.

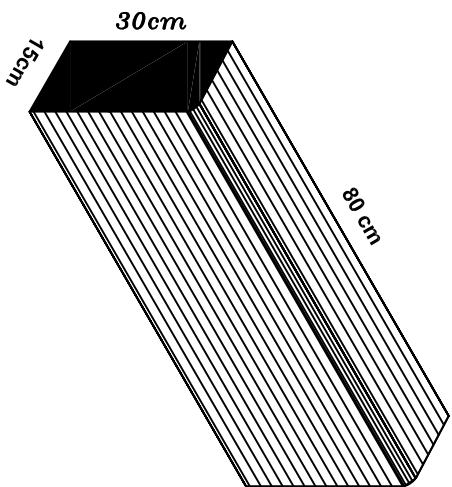
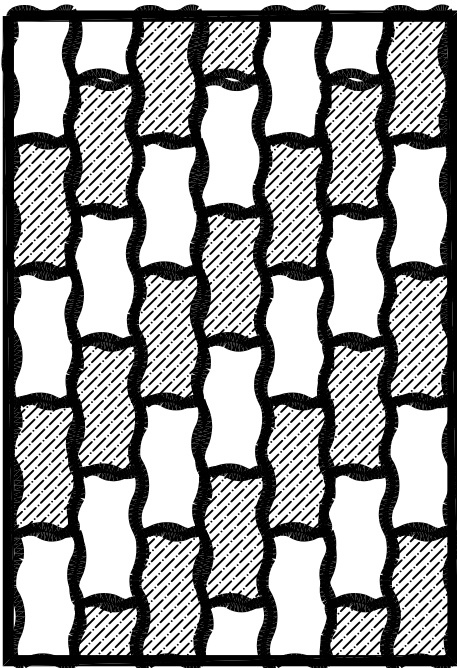
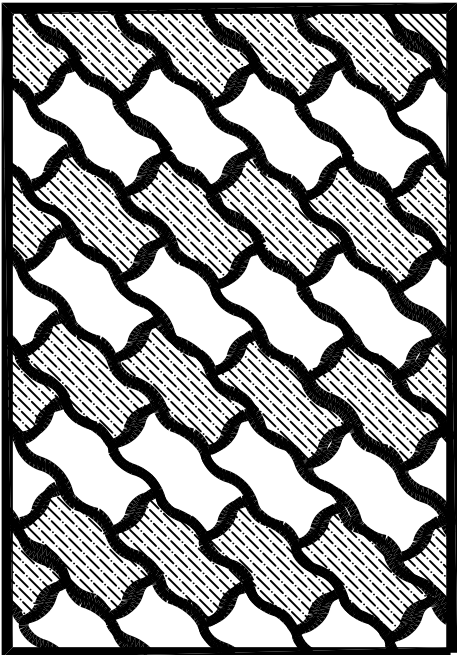


A – STANDARD BLOCK
B – HALF STANDARD BLOCK

البلط المستخدم للطريق سم ٨
البلط المستخدم للأرضية سم ٦
من نوع بلط خرساني



تفاصيل الحدم الياطن الخاص بالسور الخارجي



Curbstone Blocks

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

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DONATED BY:



European Union

IMPLEMENTED BY:



OWNER



PIEFZA

PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-
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PIEFZA

PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

NOTES:

Infrastructure Electrical Networks & Transformer Rooms

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DONATED BY:



European Union

IMPLEMENTED BY:



OWNER



PIEFZA

PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCGEI)

DRAWING NAME:-

External Electrical Network

DATE	Drawing No.:	Rev. No.
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UNDP Team	UNDP Team	UNDP Team	UNDP Team

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DONATED BY:



European Union

IMPLEMENTED BY:



OWNER



PIEFZA

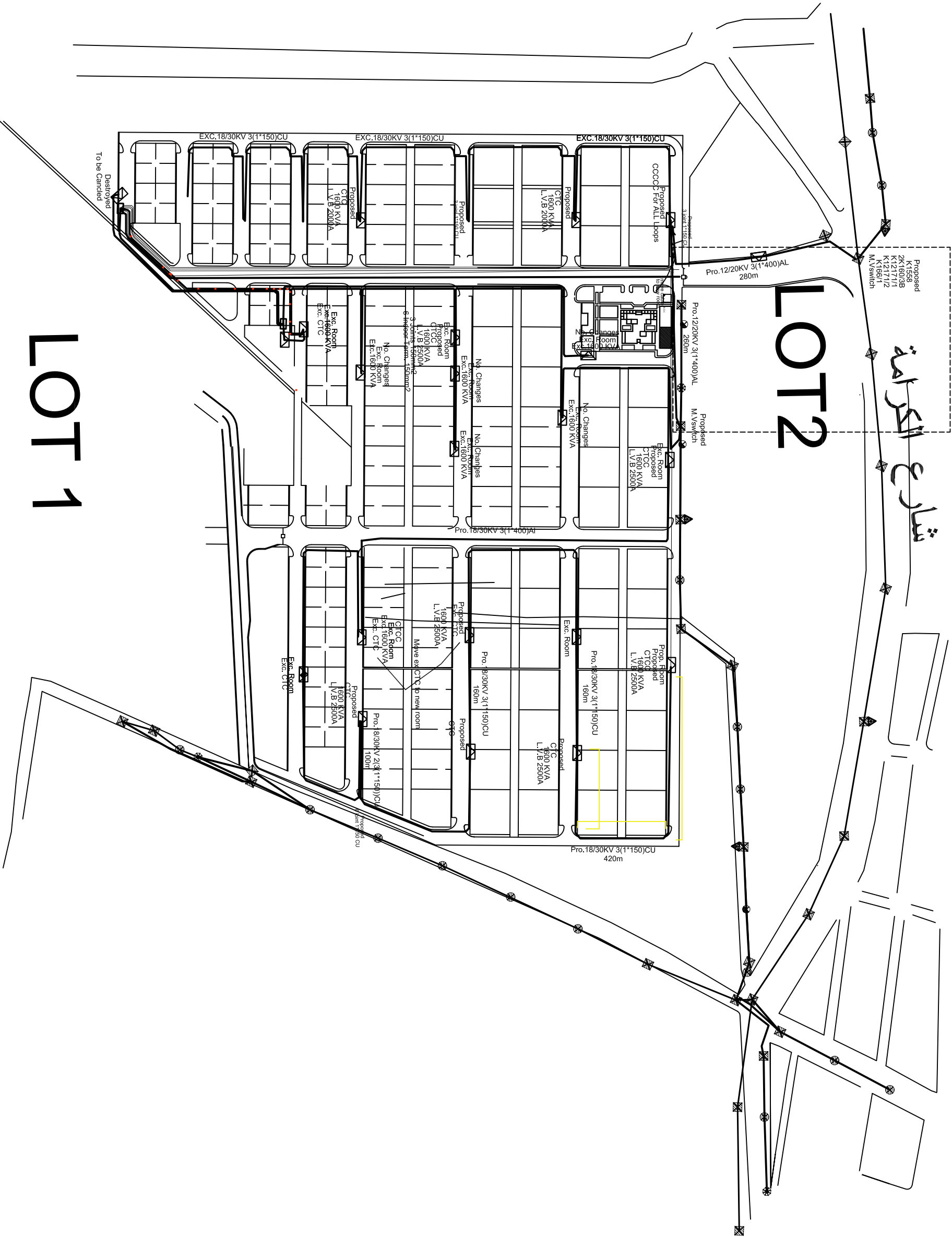
PROJECT:-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-

External Electrical Network

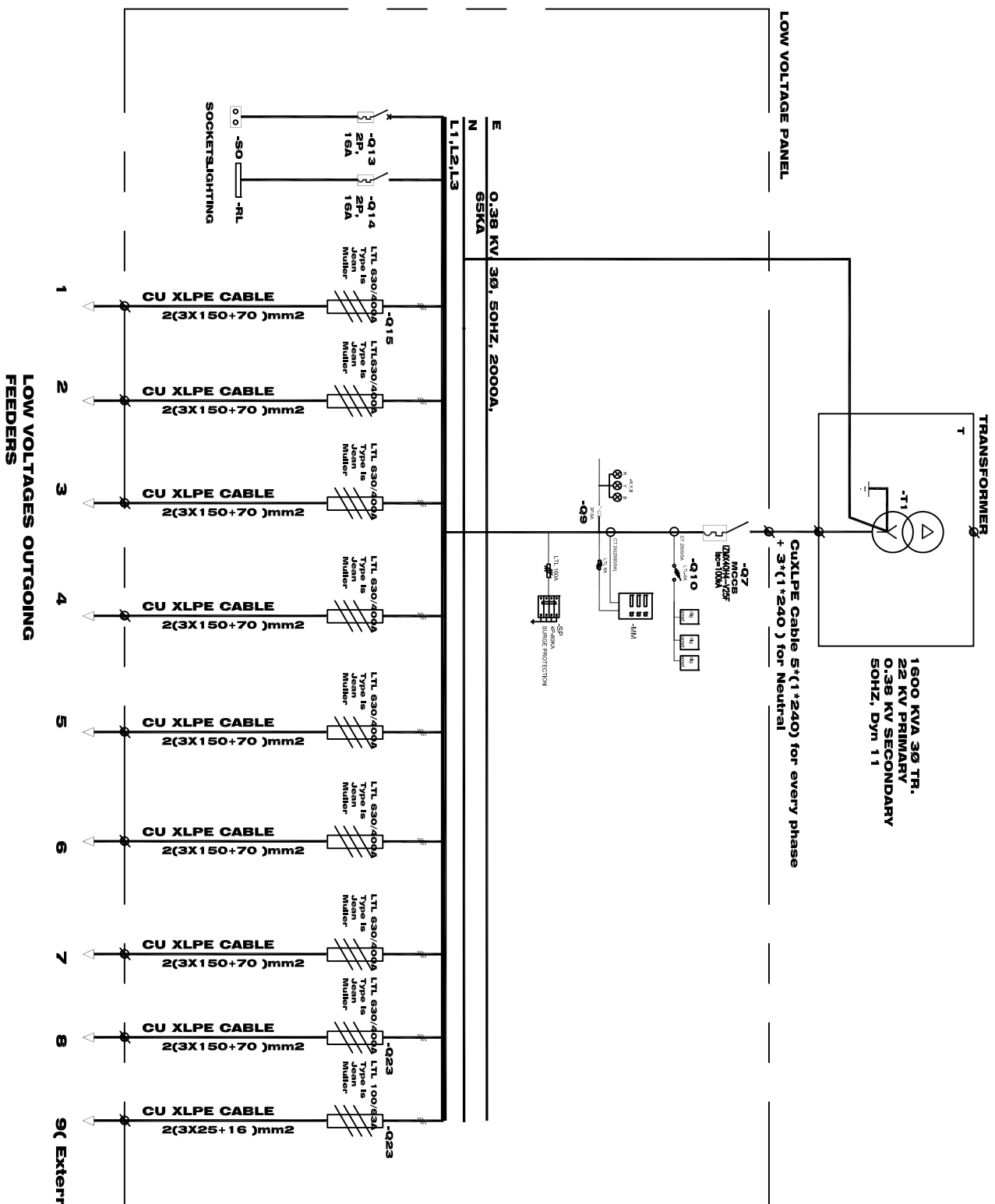
DATE	Drawing No.:	Rev. No.
	1-01	



LOT 1

LOT 2

NOTES:



SER.	SYMBOL	DESCRIPTION
1.	-Q3(MV)	MEDIUM VOLTAGE FUSE SWITCH DISCONNECTOR, 630A
2.	-Q1(5/ (MV)	SF6 SWITCH GEAR 630A, 24 KV
3.	-Q2(4/6(MV)	EARTHING SWITCH 24 KV
4.	-WL1	MEDIUM VOLTAGE SWITCHGEAR SF6 24 KV
5.	-CT	RING CORE CURRENT TRANSFORMER CT FOR EFI
6.	-EFI	EARTH FAULT INDICATOR
7.	-FI	HIGH VOLTAGE FUSE LINKS, 24 KV, SUITABLE RATING
8.	-T	DISTRIBUTION TRANSFORMER SECTION
9.	-T1	DISTRIBUTION TRANSFORMER 22/0.38KV, SUITABLE RATING
10.	-WL11	LOW VOLTAGE DISTRIBUTION PANEL, BOARD
11.	-R,Y,B	INDICATION LAMPS 220V
12.	-KWH	KILOWATT HOUR AND KILO VOLT AMPERE REACTIVE
13.	-PF	7 STAGES POWER FACTOR REGULATOR
14.	-SV	UNDER VOLTAGE RELAY
15.	-TIL1,...,3	CURRENT TRANSFORMERS, SUITABLE RATING
16.	-Q7 (LV)	3P MCCB, 380V, 2500A, 6SKA
17.	-Q11 (LV)	1P MCB 6A
18.	-Q9,Q10	3P MCCB 6A
19.	-Q12	3P MCCB 100A
20.	(LV) -Q13,Q14	2P MCCB 16A
21.	-Q15---Q19 (LV)	3P HRC VERTICAL FUSE 630/400A, 380V, with porcelain-base
22.	-Q20(LV)	3P MCCB 200-160A, 380V
23.	-K1M	100A STREET LIGHT CONTACTOR
24.	-A-O-M	AUTOMATIC - OFF - MANUAL SELECTOR SWITCH
25.	-TS	TIME SWITCH
26.	-PH	PHOTO CELL
27.	-SO	3 PIN SOCKET OUTLET 16A 250V
28.	-RL	ROOM LIGHTING AND EXTRACTOR FAN WITH
29.	-MM	DIGITAL MULTI METER MEASURING DEVICE WITH
30.	-SP	SUITABLE CT SURGE PROTECTION BOXA WITH PROTECTION FUSES

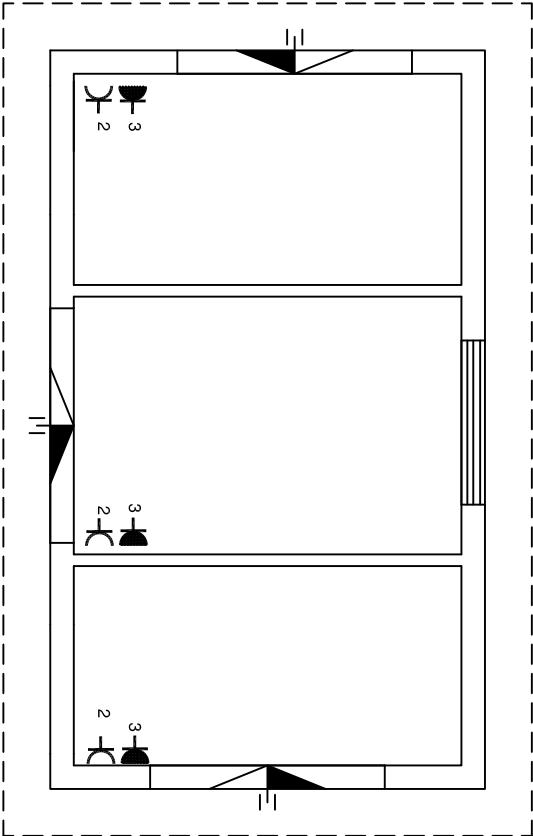
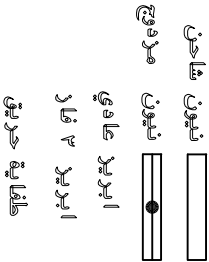
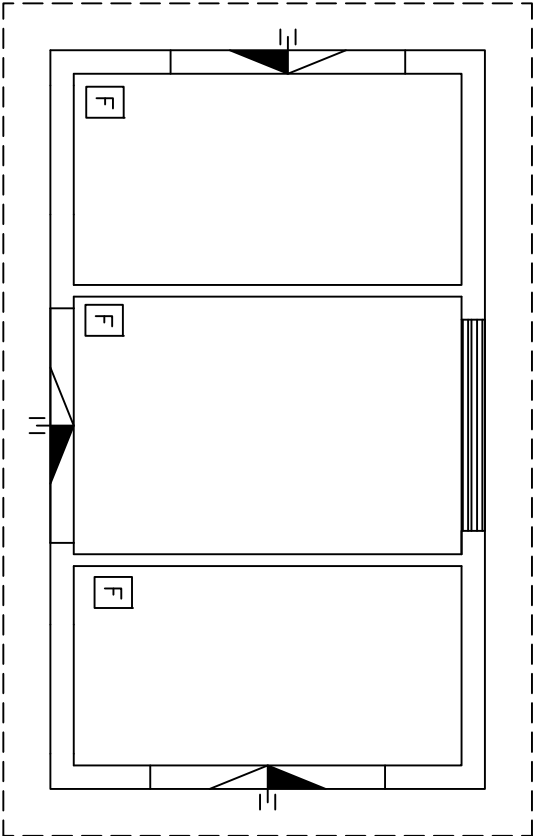
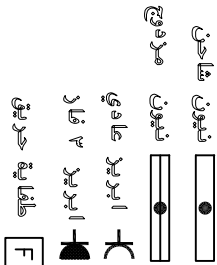
LEGEND

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No.	Description	Date	By
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Designed	Drawn	Checked	Approved
UNDP Team	UNDP Team	UNDP Team	UNDP Team
Date	File Name	Scale	

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European Union		
IMPLEMENTED BY:		
		
OWNER		
		
PROJECT:- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGSIE)		
DRAWING NAME:- LOW VOLTAGE PANEL		
DATE	Drawing No.:	Rev. No.
	1-02	

NOTES:

FOR TENDER ONLY



مخطط الحريق

مقياس رسم (1/100)

مخطط الابارير

FOR TENDER ONLY					
Revisions					
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UNDP Team	UNDP Team	UNDP Team	UNDP Team		
Date	File Name			Scale	

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PIEFZA

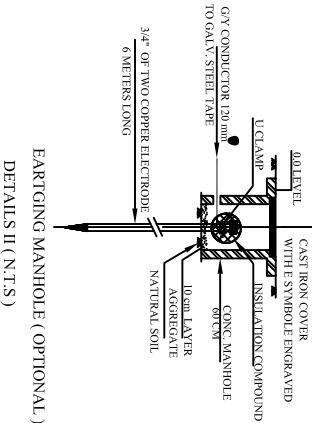
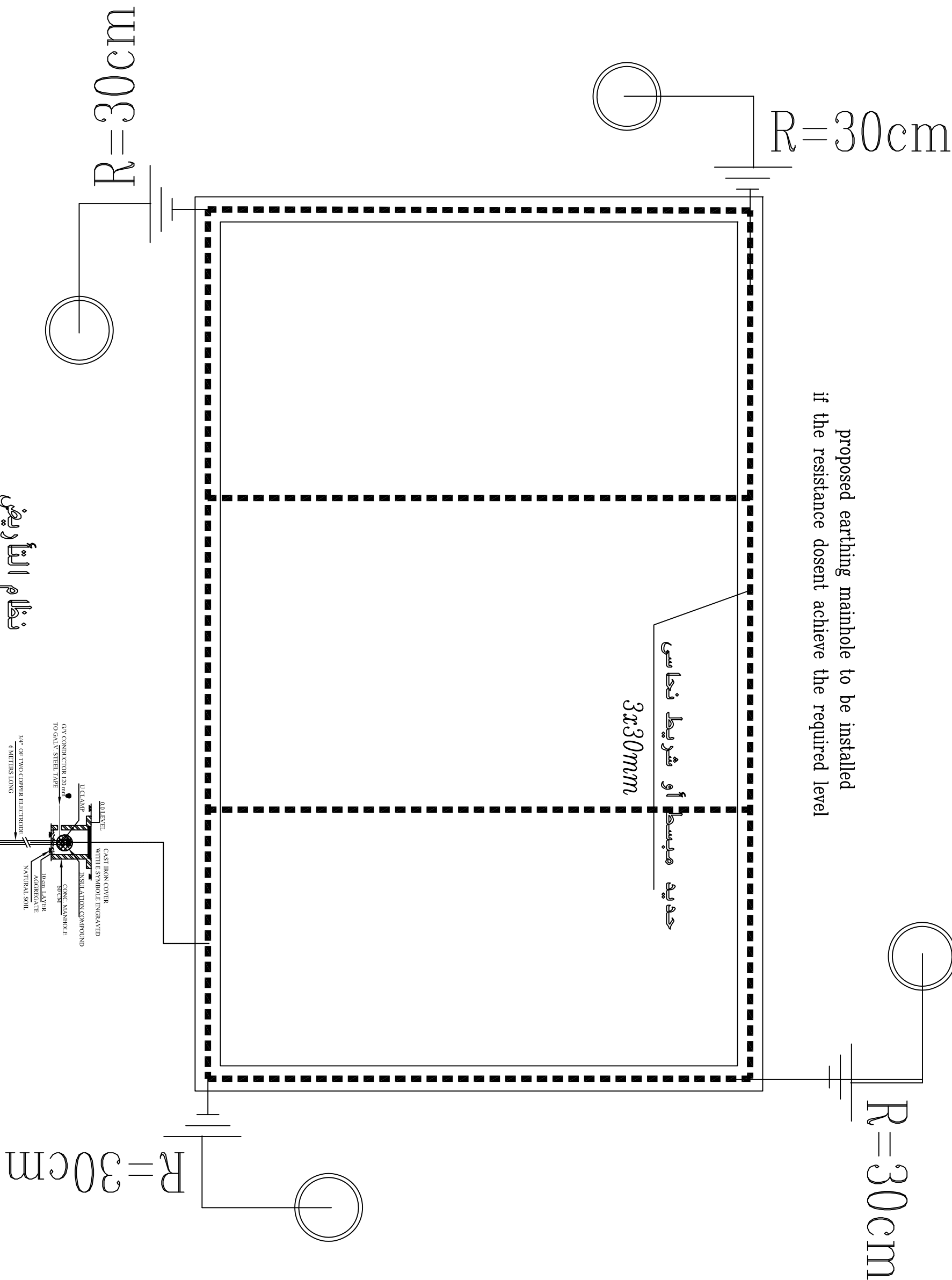
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Transformer Room Details

DATE	Drawing No.:	Rev. No.
	Transformer Room Details	

proposed earthing mainhole to be installed
if the resistance dosent achieve the required level



NOTES:

FOR TENDER ONLY

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No.	Description	Date	By

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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-
External Electrical Network

DATE	Drawing No.:	Rev. No.
	3-01	

NOTES:

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Revisions

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale

DONATED BY:



European Union

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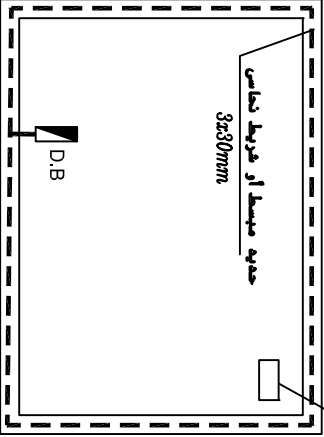
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGIIE)

DRAWING NAME:-

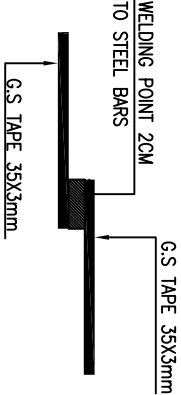
Earthing of electrical trans. room

DATE	Drawing No.:	Rev. No.

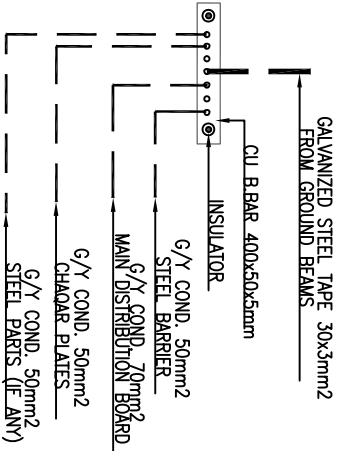
proposed earthing manhole to be installed
if the resistance dosent achieve the required level



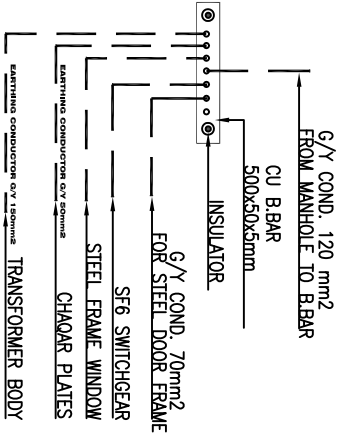
مخطط التأسيس



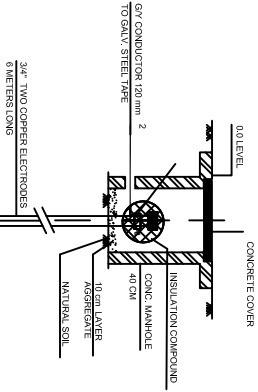
WELDING DETAILS



EARTHING BUS BAR LOW VOLTAGE SIDE



EARTHING BUS BAR MEDIUM VOLTAGE SIDE



EARTHING MANHOLE(OPTIONAL)
DETAILS II (N.T.S)

ملاحظة
من ه اوم
مقاومة الارضى اقل
 $R < 5 \Omega$

TYPICAL ELECTRICAL ROOM AND
SWITCH-GEAR 24KV SUB-STATION

ELECTRICAL FITTINGS LAYOUT