

NOTES:

FOR TENDER ONLY

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCGIE)

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PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGIE)

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

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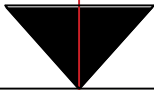
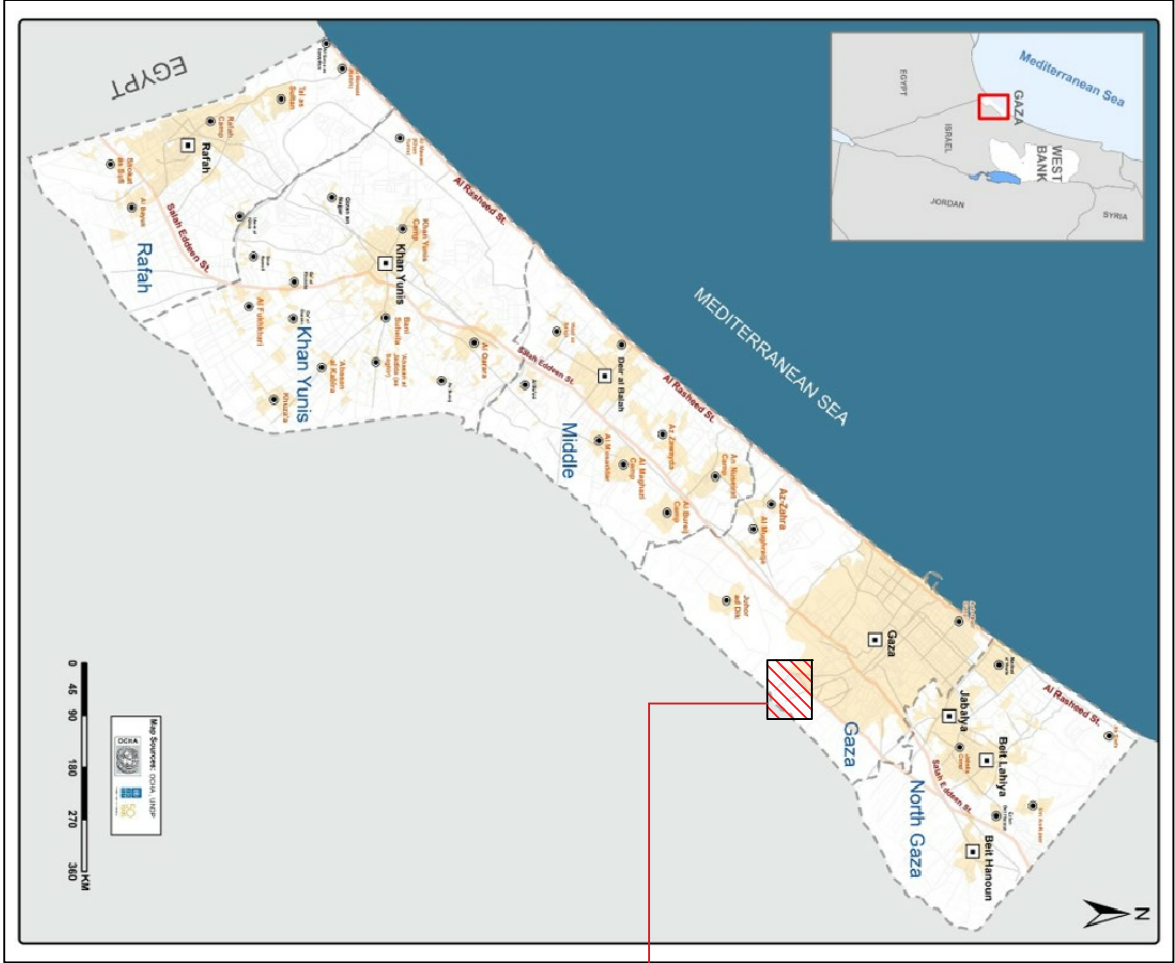
PIEFZA

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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INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

LAYOUT

DATE	Drawing No.:	Rev. No.

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

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PROJECT- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (ICGIE)				
DRAWING NAME:- LAYOUT				
DATE Drawing No.:	Rev. No.			

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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 (IGRIE)

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

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REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

NOTES:

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Drawings Table

Drawing No.	Drawing Name
C 00	Drawings Table
C 01	Fence Details
C 02	Steel Shed

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No.	Description	Date	By
Revisions			

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

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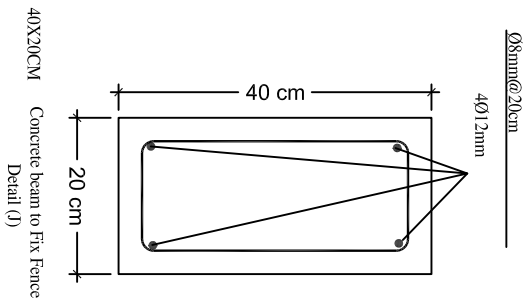
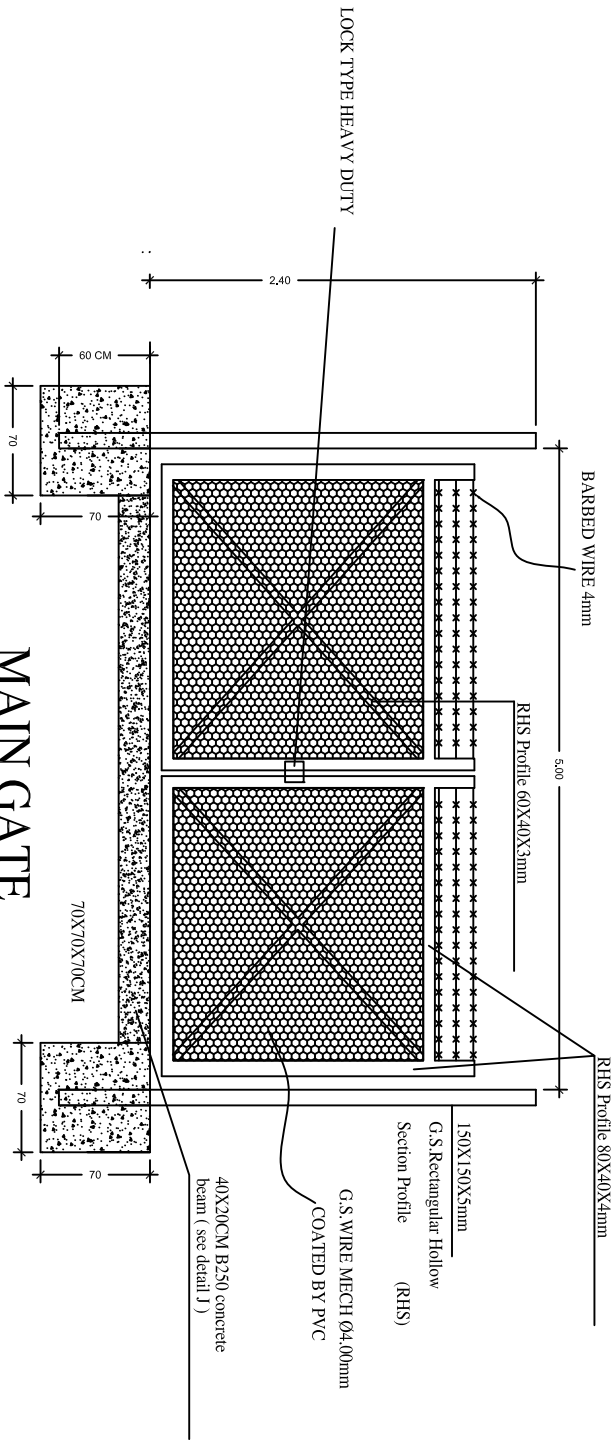
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCRIE)

DRAWING NAME:-

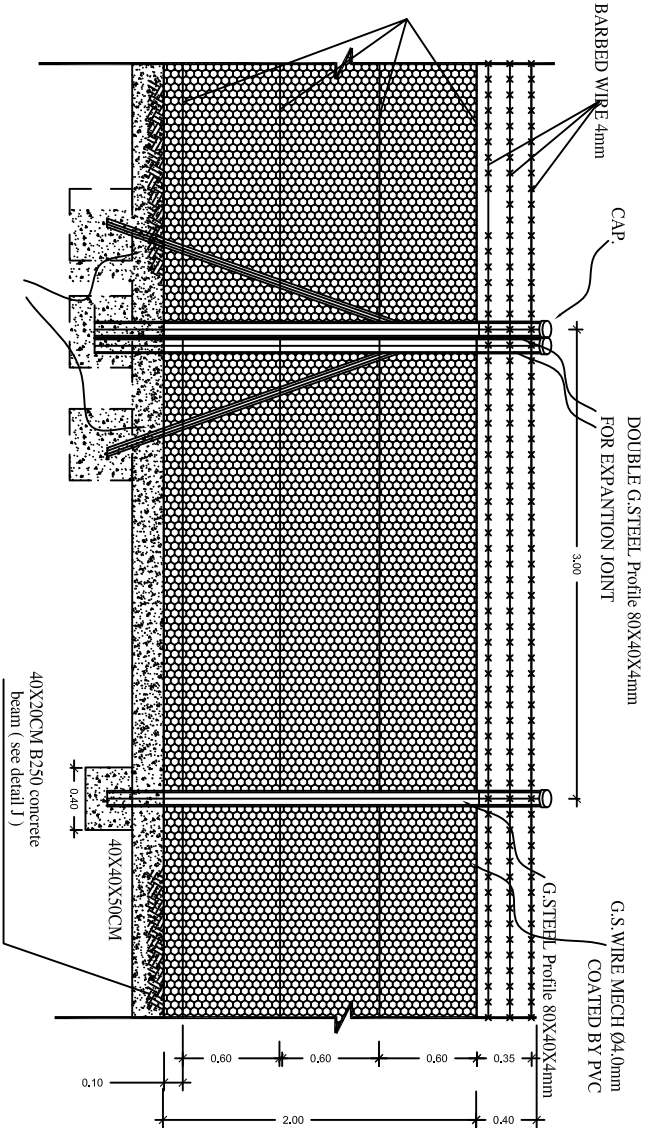
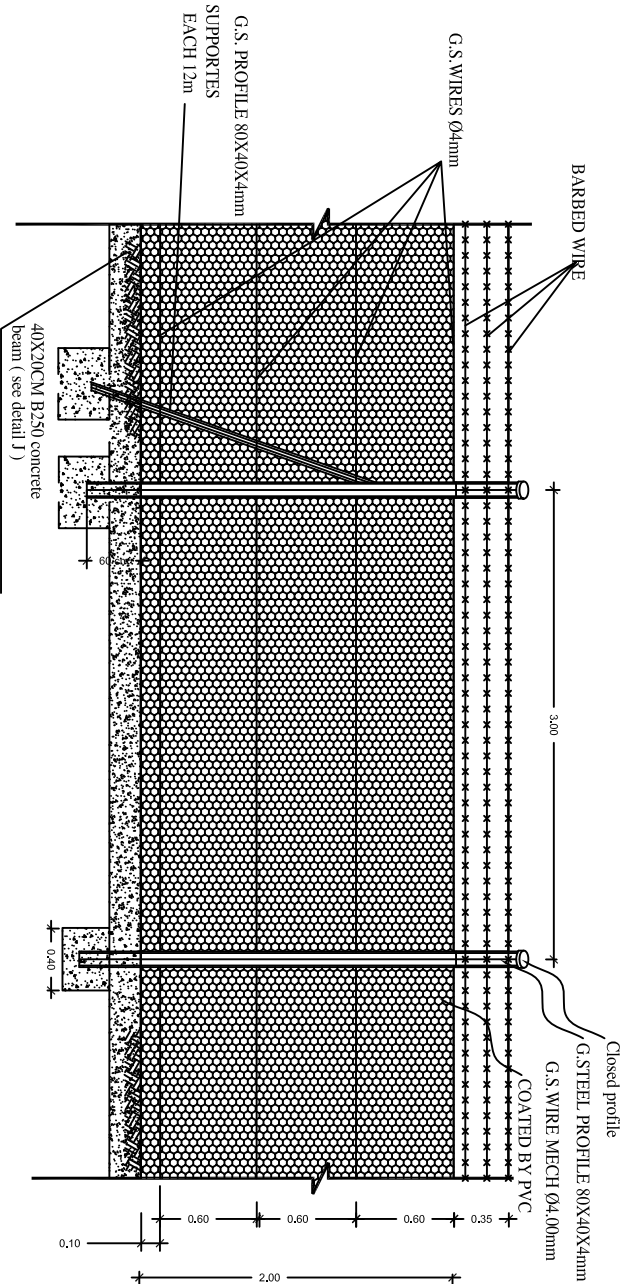
Drawings Table

DATE	Drawing No.:	Rev. No.
	C 00	

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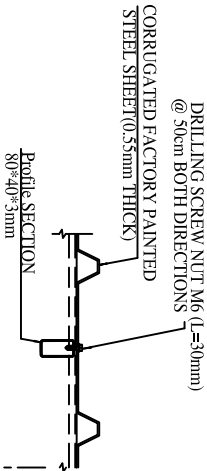
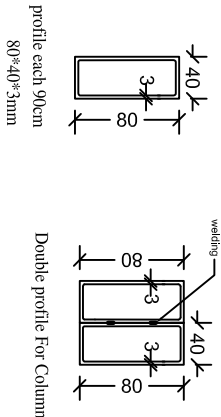
MAIN GATE (Double Swing gate)



FENCES DETAILS
PROPOSED TYPE USING AT CORNERS
AND WHERE EXPANTION JIONT IS NEEDED.

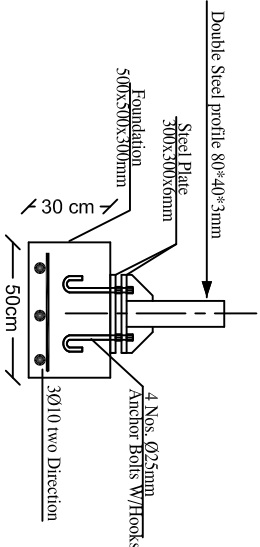
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OWNER  PIEZA			
PROJECT- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (ICRGE)			
DRAWING NAME:- Fence Details			
DATE	Drawing No.:	C 01	Rev. No.

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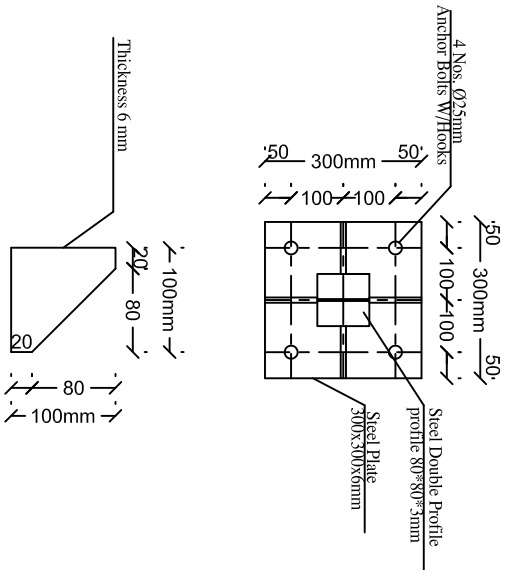
CONNECTION BETWEEN
CORRUGATED SHEETS & PURLINS

DETAIL(C)

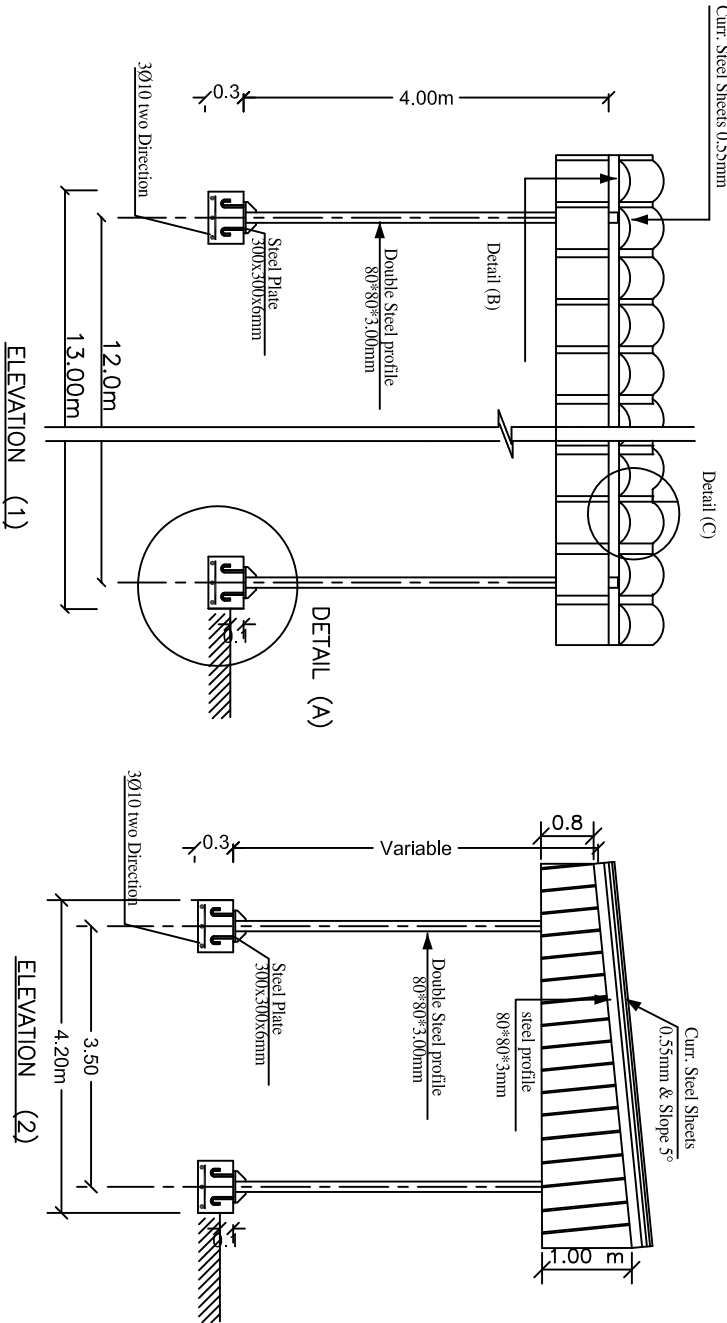
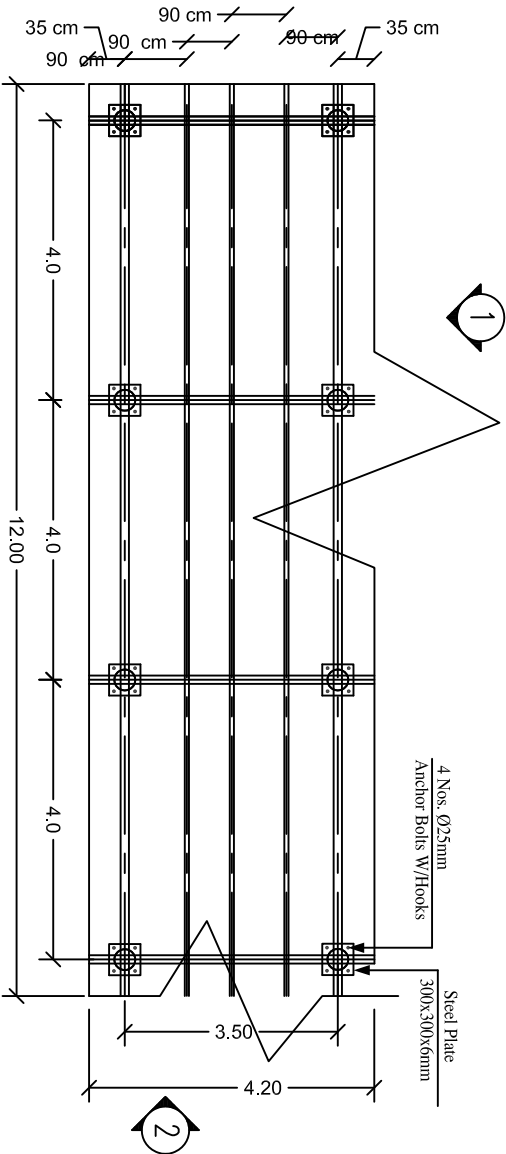


Detail (A)

FOUNDATION & SHED DETAIL



Details For welded column Profile



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PROJECT- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCGE)			
DRAWING NAME:- Steel Shed			
DATE	Drawing No.:	Rev. No.	
	C 02		

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

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

Drawings Table

Drawing No.	Drawing Name
ELEC 00	Drawings Table
ELEC 01	LEGEND
ELEC 02	MAIN DISTRIBUTION BOARD SINGLE LINE DIAGRAM(1-2)
ELEC 03	MAIN DISTRIBUTION BOARD SINGLE LINE DIAGRAM(2-2)
ELEC 04	MAIN DISTRIBUTION BOARD OUTSIDE ELEVATION
ELEC 05	220V-24V CONTROL DIAGRAM
ELEC 06	220V-24V CONTROL DIAGRAM
ELEC 07	220V-24V CONTROL DIAGRAM
ELEC 08	220V-24V CONTROL DIAGRAM
ELEC 09	PLC INPUT
ELEC 10	PLC OUTPUT
ELEC 11	LOCAL ISOLATING SWITCH DETAILS
ELEC 12	Water Level Sensor
ELEC 13	SCHEMATIC DIAGRAM
ELEC 14	DETAILS

NOTES:

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Designed	Drawn	Checked	Approved
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Date	File Name	Scale
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PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCRIE)

DRAWING NAME:-

Drawings Table

DATE	Drawing No.:	Rev. No.
	ELEC 00	

NOTES:

SYMBOLS	
SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING FIXTURE 2X36W COMPLETE WITH LIGHTING TUBES 36W, IP65
	INCANDESCENT LIGHTING FIXTURE WITH 60W LAMP FOR CEILING MOUNTED.
	DITTO .BUT FOR WALL MOUNTED
	8M LONG OCTAL LIGHTING POLR, WITH EXTERNAL SECURITY LIGHTING FIXTURE WITH 150W BULB.
	6" EXTRACTOR FAN WITH MOVABLE LOUVERS, 250FM.
	EXTERNAL LIGHTING FIXTURE WITH 60W LAMP FOR CEILING MOUNTED.
	SINGLE POLE ONE WAY SWITCH, 220V, 13A
	DITTO BUT WATER PROOF
	DITTO, BUT ONE WAY, TWO POLE SWITCH.
	DITTO BUT WATER PROOF
	SINGLE SOCKET OUTLET 16A, 220V, 2P+E FOR FLUSH OR SURFACE MOUNTING
	DITTO BUT WATER PROOF
	3ph/1ph SOCKET OUTLET 16A, 380/220V.

SYMBOLS	
SYMBOL	DESCRIPTION
	SWITCH ON-OFF
	INDICATION LED LAMP
	Soft Starter
	HOURL METER
	EMERGENCY BUTTION
	VOLAGE SELECTOR
	External Hand FOR MAIN MCCB
	UNDER VOLT RELAY LED LAMP
	Three Phasee LTL Fuses
	Current Transformer
	AUTOMATIC TRANSFER SWITCH (A.T.S)
	One Phase Miniature Circuit Breaker
	Two Pole Miniature Circuit Breaker
	Three Phase Miniature Circuit Breaker
	Three Phase Molded Case Circuit Breaker
	Earth leakage Circuit Breaker
	Three Phase Capacitor Bank
	Limit Switch

SYMBOLS	
SYMBOL	DESCRIPTION
CK	CAPACTIVE CONTACTOR
TM1-5	TIMERS FOR CONTROL UNIT OF A.T.S
	Transformer
	Lightning Protection Device (SURGE)
	CONTACTOR
	TIMER ON DELAY
	Normal Open (N.O)
	Normal Close (N.C)
	CONTROL RELAY
	PANNEL FAN
C1-6	BY-PASS CONTACTOR
Crun1-6	RUN CONTACTOR
T1-6	RUN TIMER
TH	THERMOSTATE
Lc	MCB FOR CAPACTIVE CONTACTOR
Lm	MCB FOR PANEL LAMPS
	PUMP MOTOR
	MANHOLE

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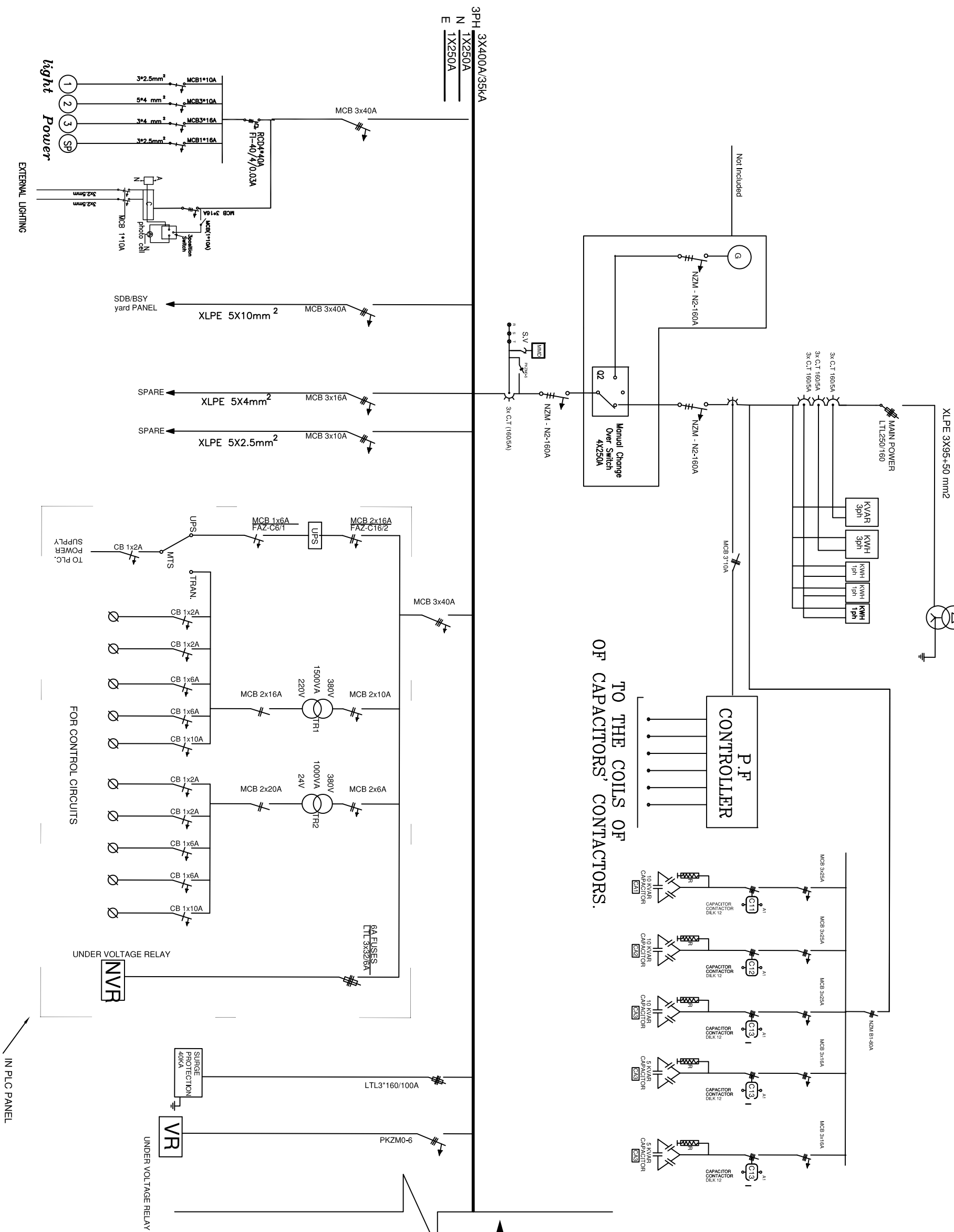
PIEFZA

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

DRAWING NAME:-
LEGEND

DATE	Drawing No.:	Rev. No.
	ELBC 01	

NOTES:



SEE PAGE 003

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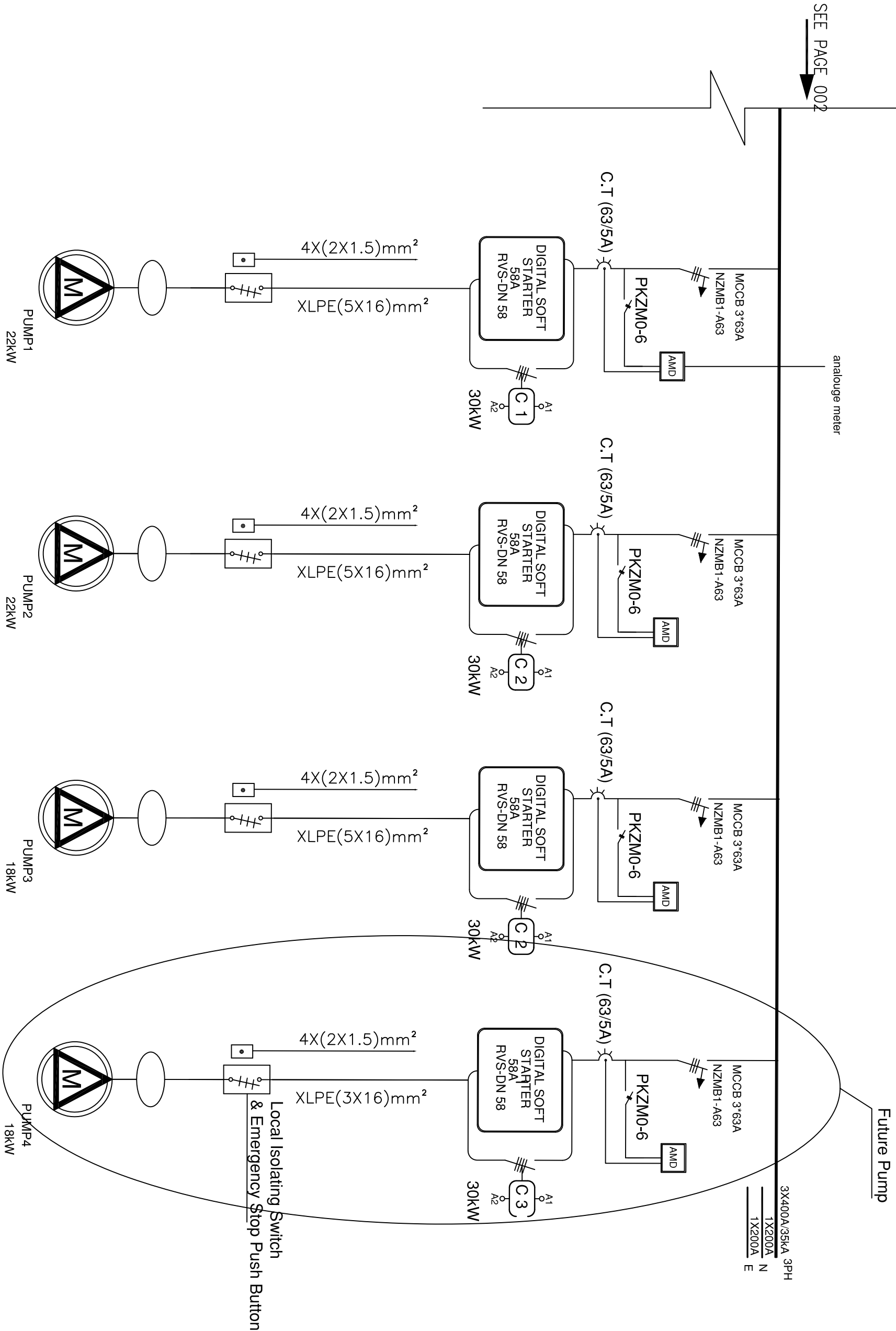
 **United Nations
Development Programme**

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

DRAWING NAME:-
MAIN DISTRIBUTION BOARD
SINGLE LINE DIAGRAM(1-2)

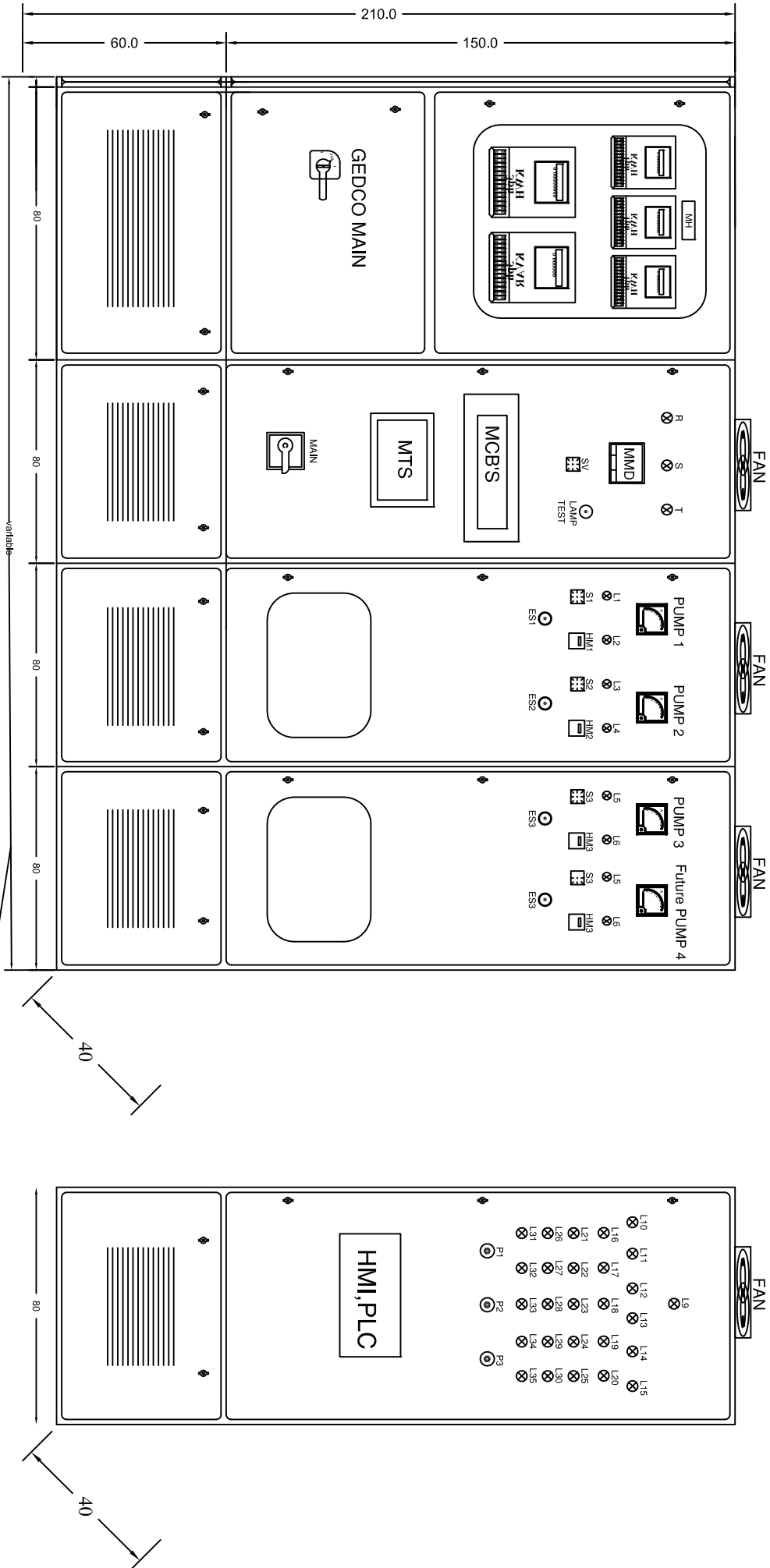
DATE	Drawing No.: ELEC 02	Rev. No.

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PROJECT:- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGIE)			
DRAWING NAME:- MAIN DISTRIBUTION BOARD SINGLE LINE DIAGRAM(2-2)			
DATE	Drawing No.:	Rev. No.	
	ELEC 03		

NOTES:

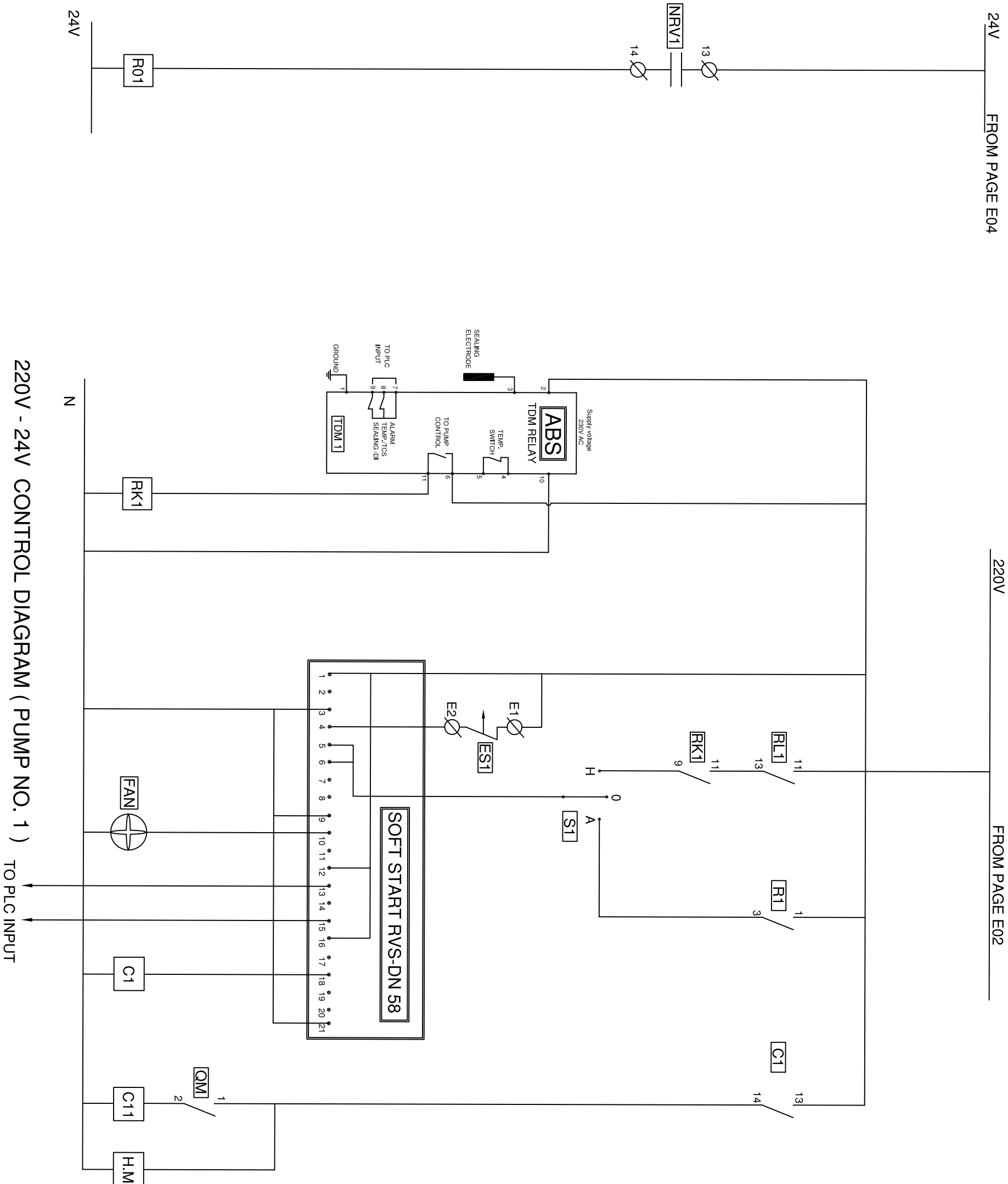


PANEL LAYOUT

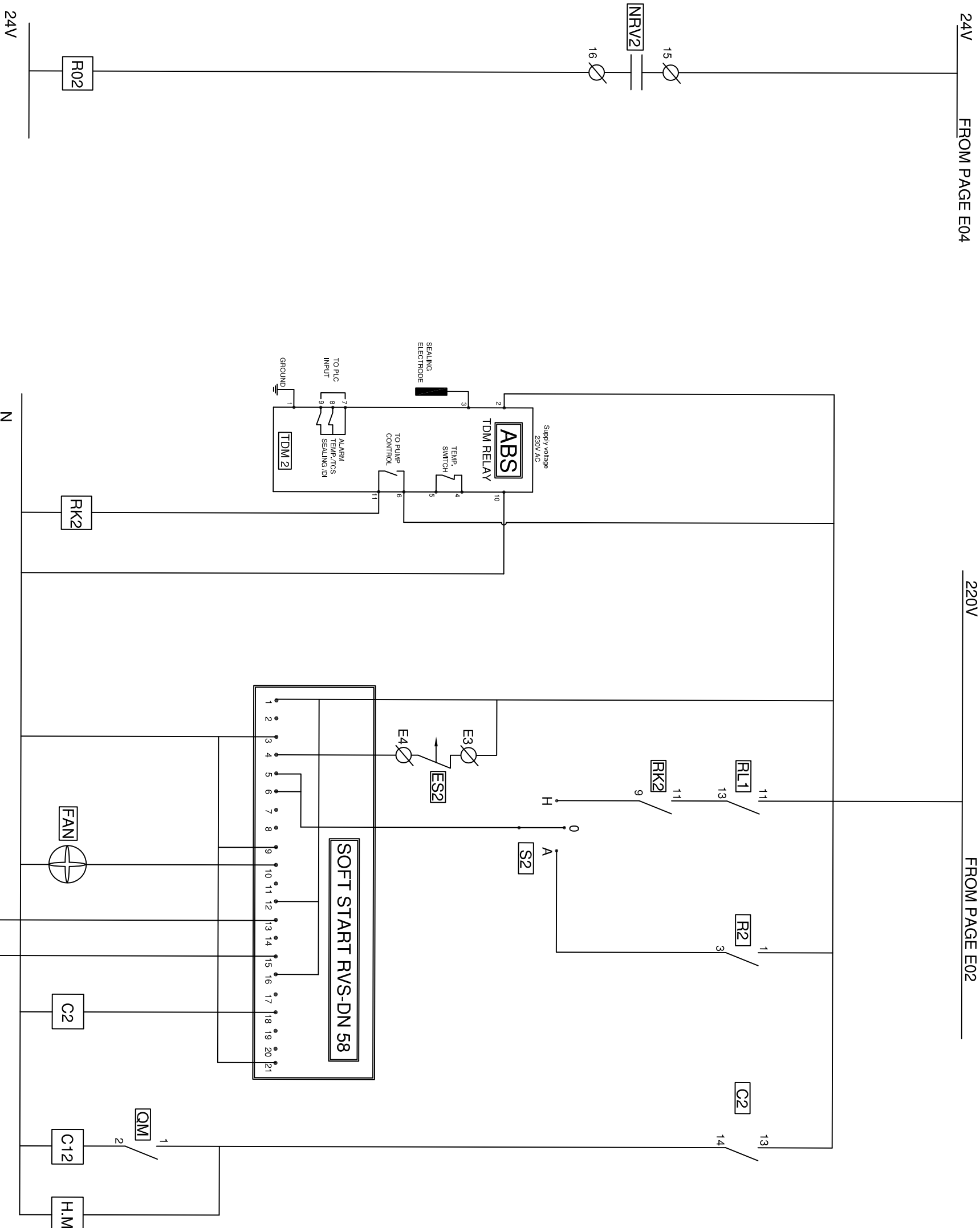
Note:
The Width of MDB will be determined after Shop drawings & that all internal components were agreed

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PROJECT:-									
REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCRIE)									
DRAWING NAME:-									
MAIN DISTRIBUTION BOARD OUTSIDE ELEVATION									
DATE	Drawing No.:				Rev. No.				
	ELEC 04								

NOTES:



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PROJECT:-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCGIE)

DRAWING NAME:-

220V-24V CONTROL DIAGRAM

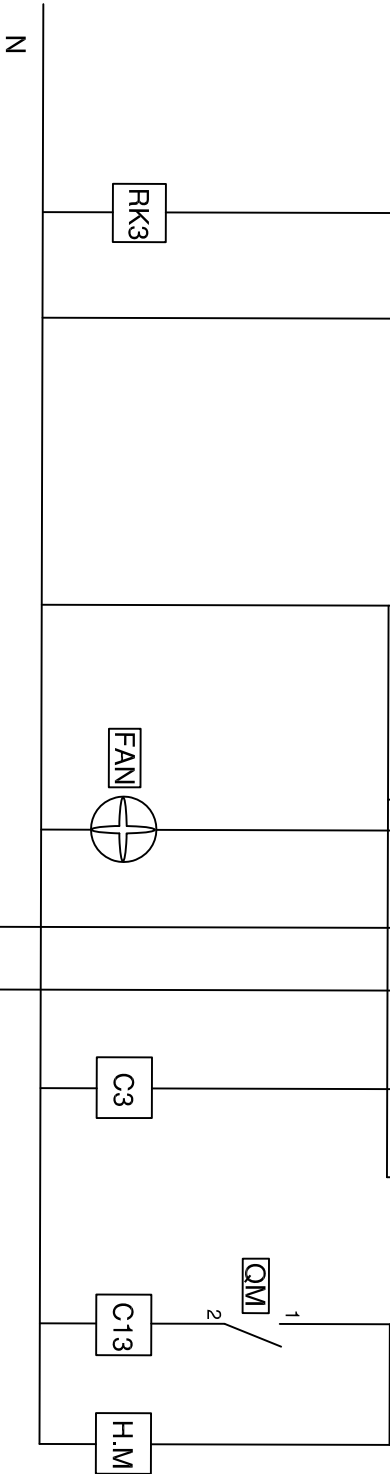
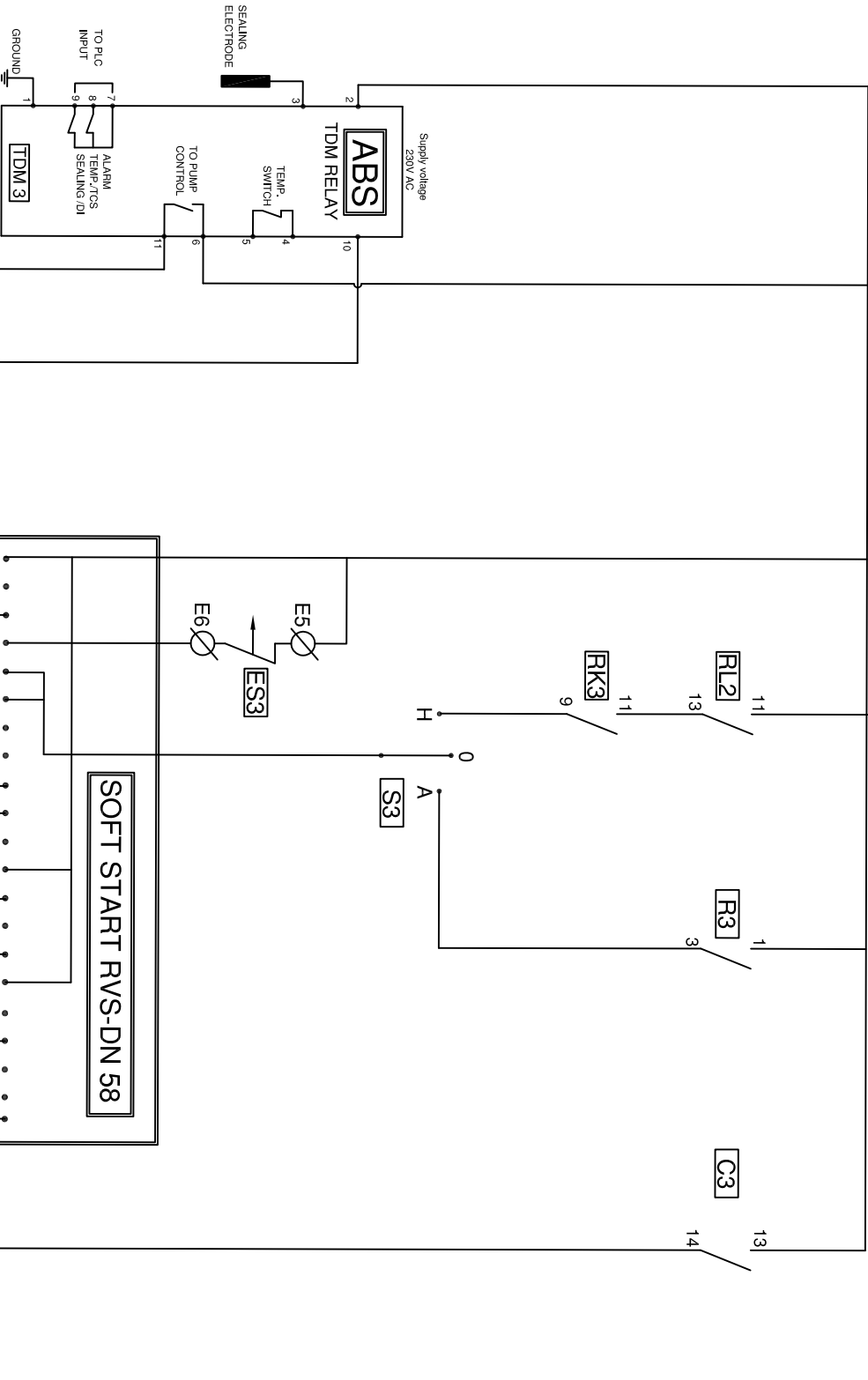
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24V FROM PAGE E04

220V

FROM PAGE E02

24V



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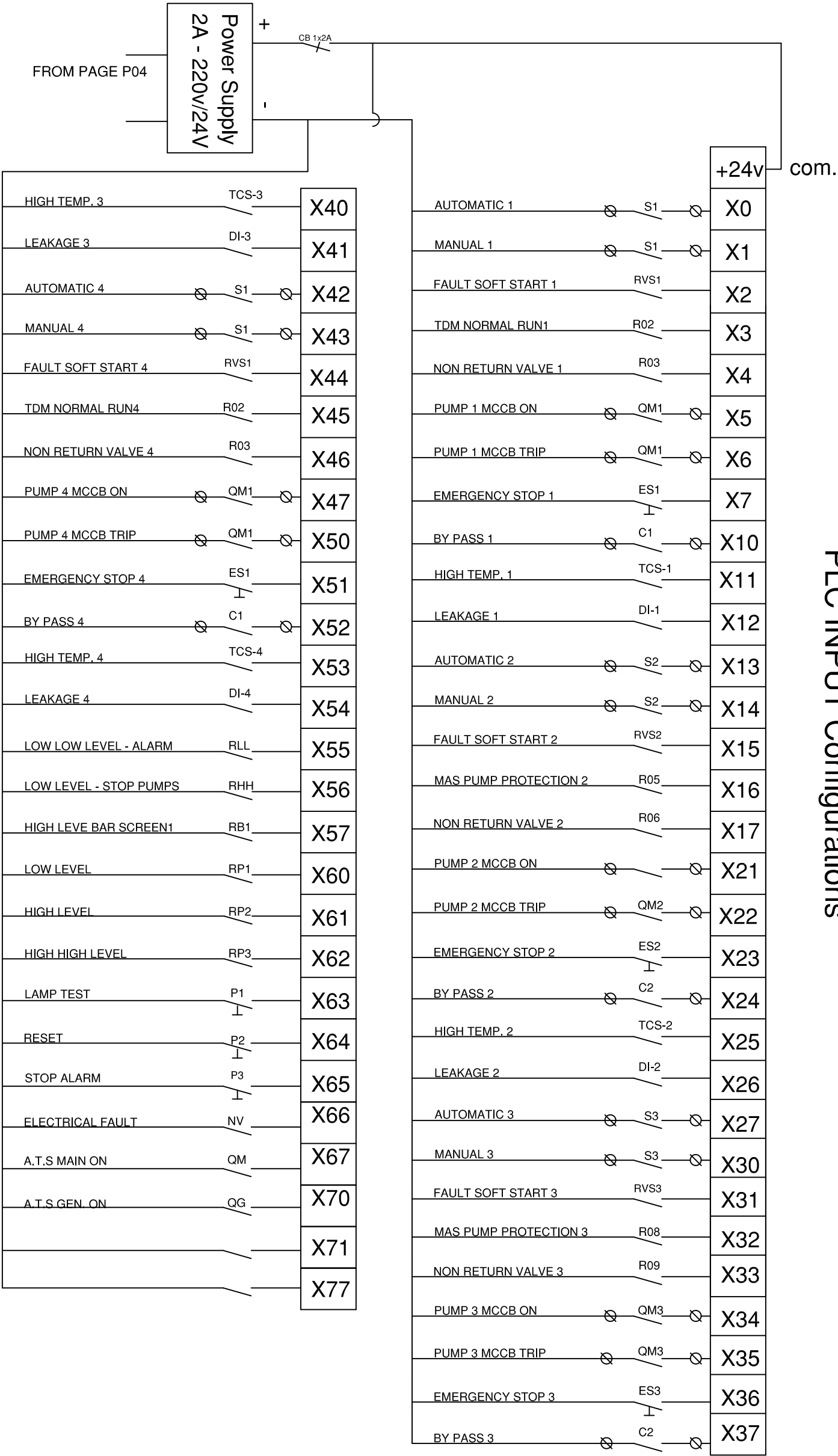
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

220V-24V CONTROL DIAGRAM

DATE	Drawing No.:	Rev. No.
	ELBC 07	

PLC INPUT Configurations



NOTES:

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DRAWING NAME:-

PLC INPUT

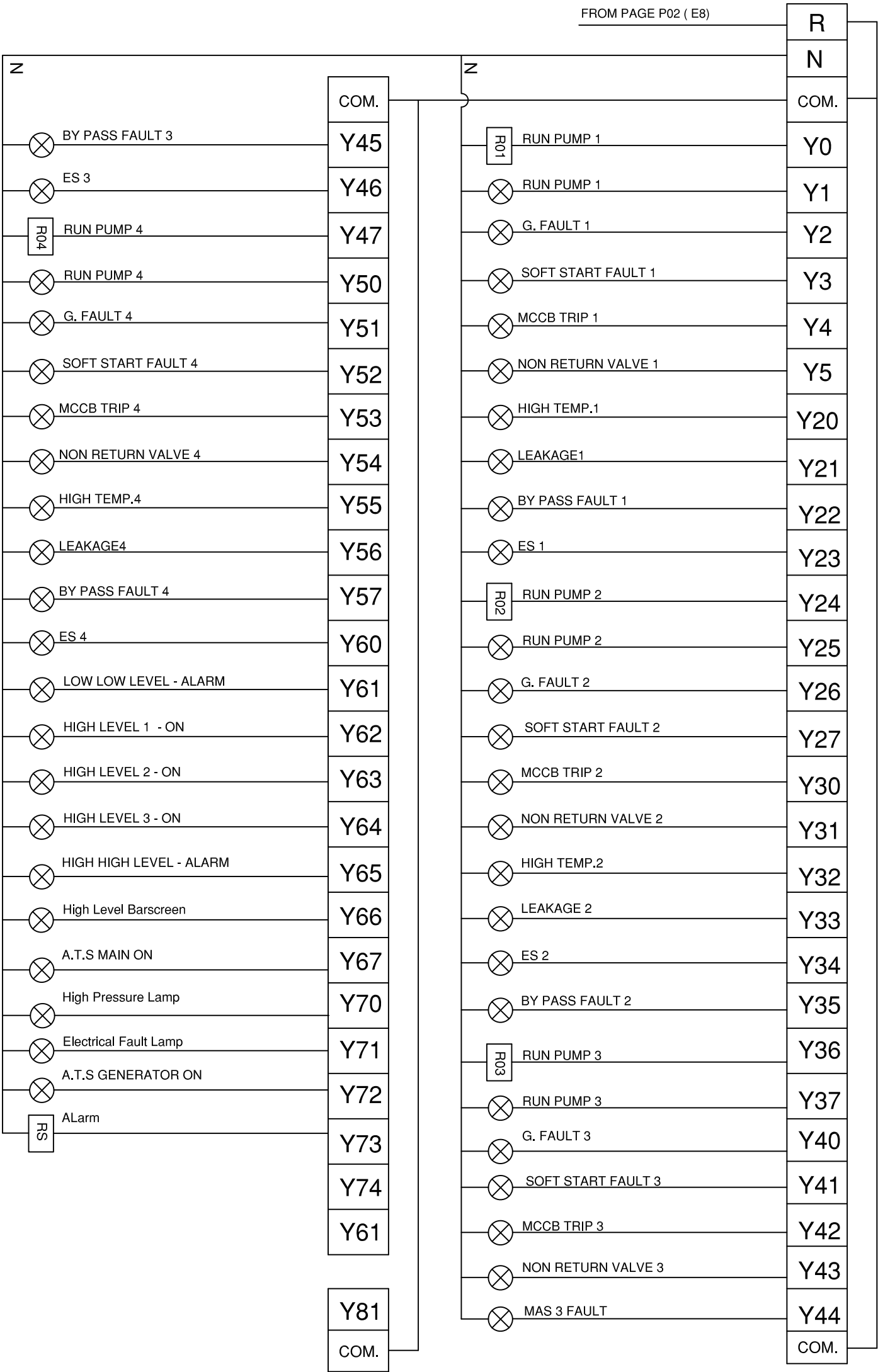
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Rev. No.

PLC OUTPUT Configurations



NOTES:

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PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGCIE)

DRAWING NAME:-

PLC OUTPUT

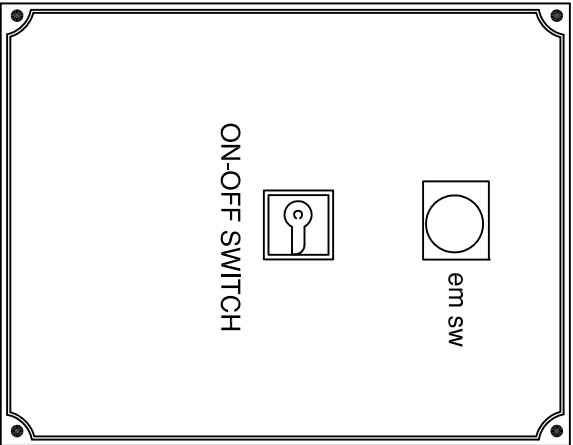
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Drawing No.:

ELEC 10

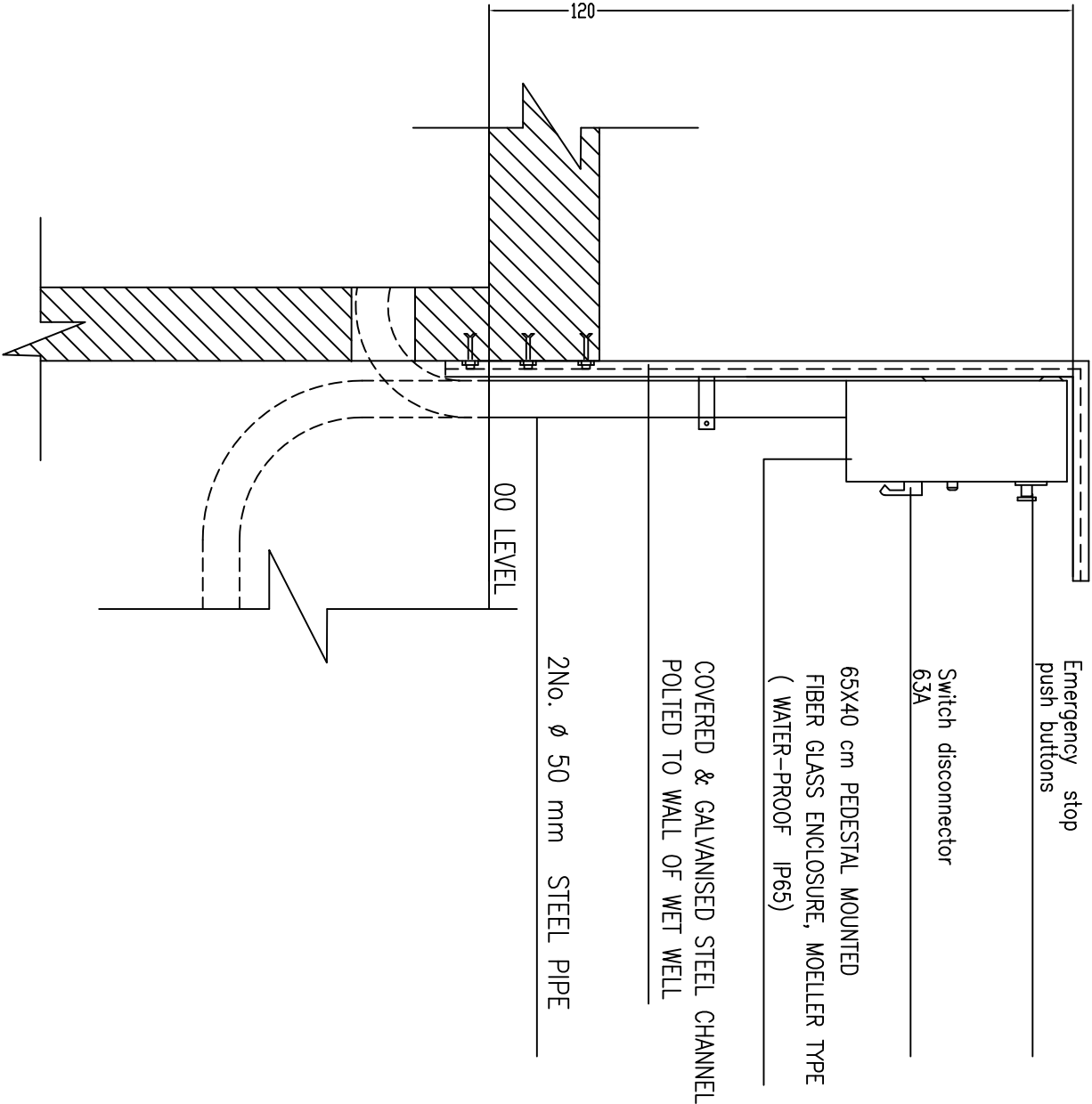
Rev. No.

NOTES:



PANEL (B1)

LOCAL ISOLATING SWITCH



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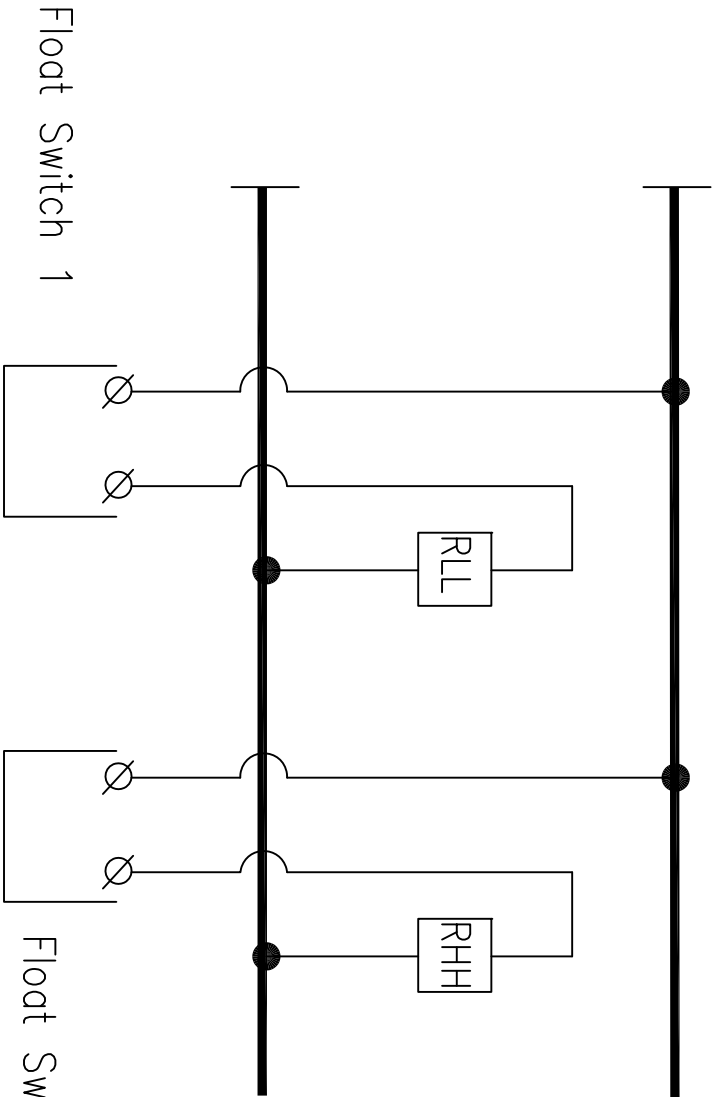
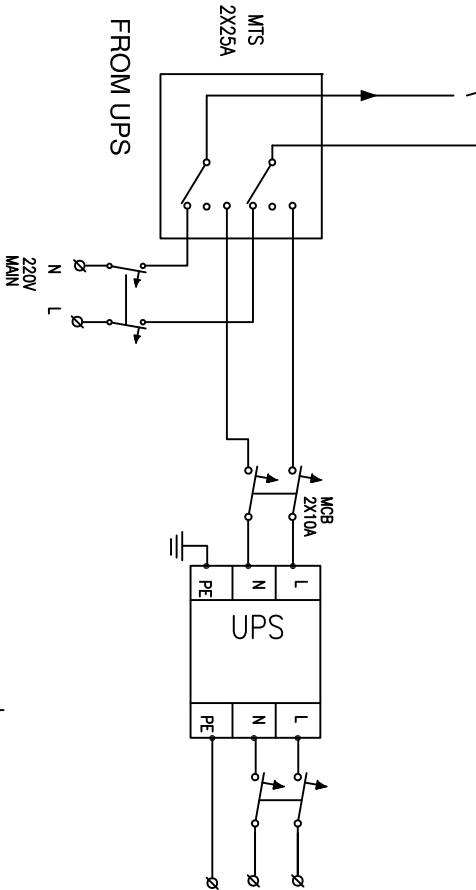
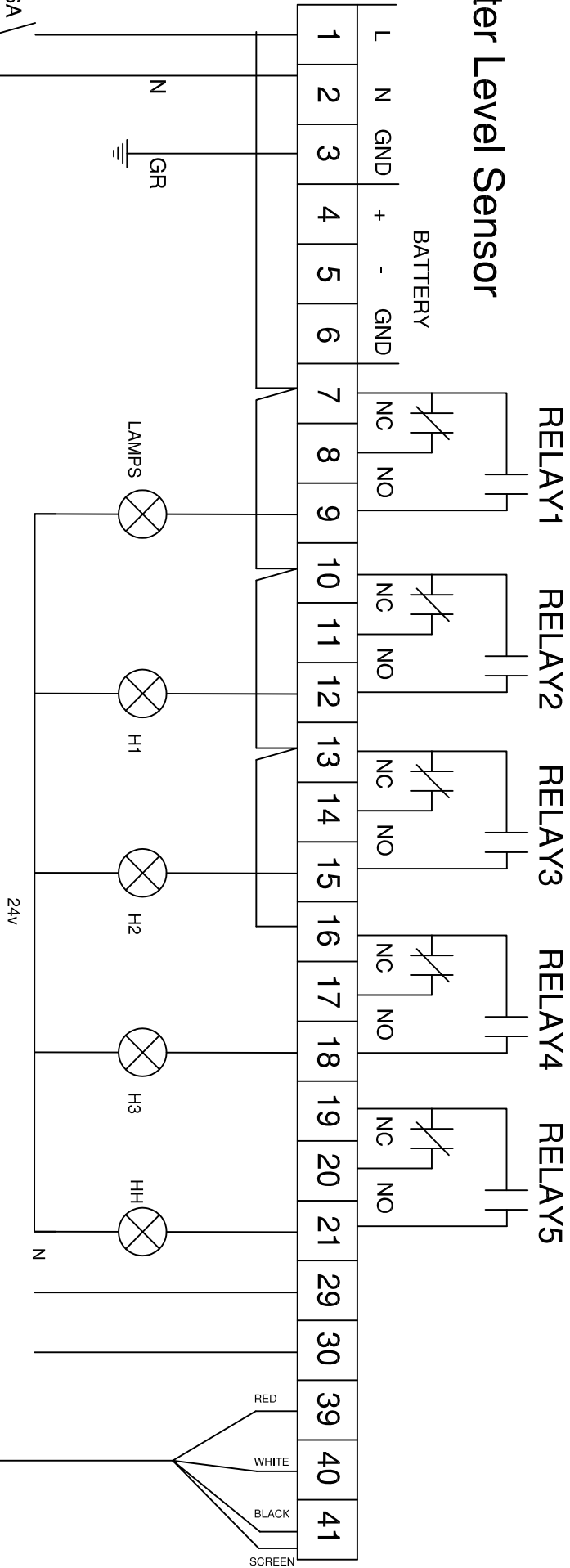
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (ICGIE)

DRAWING NAME:-
LOCAL ISOLATING
SWITCH DETAILS

DATE	Drawing No.:	Rev. No.
	ELEC 11	

NOTES:

Water Level Sensor



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REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

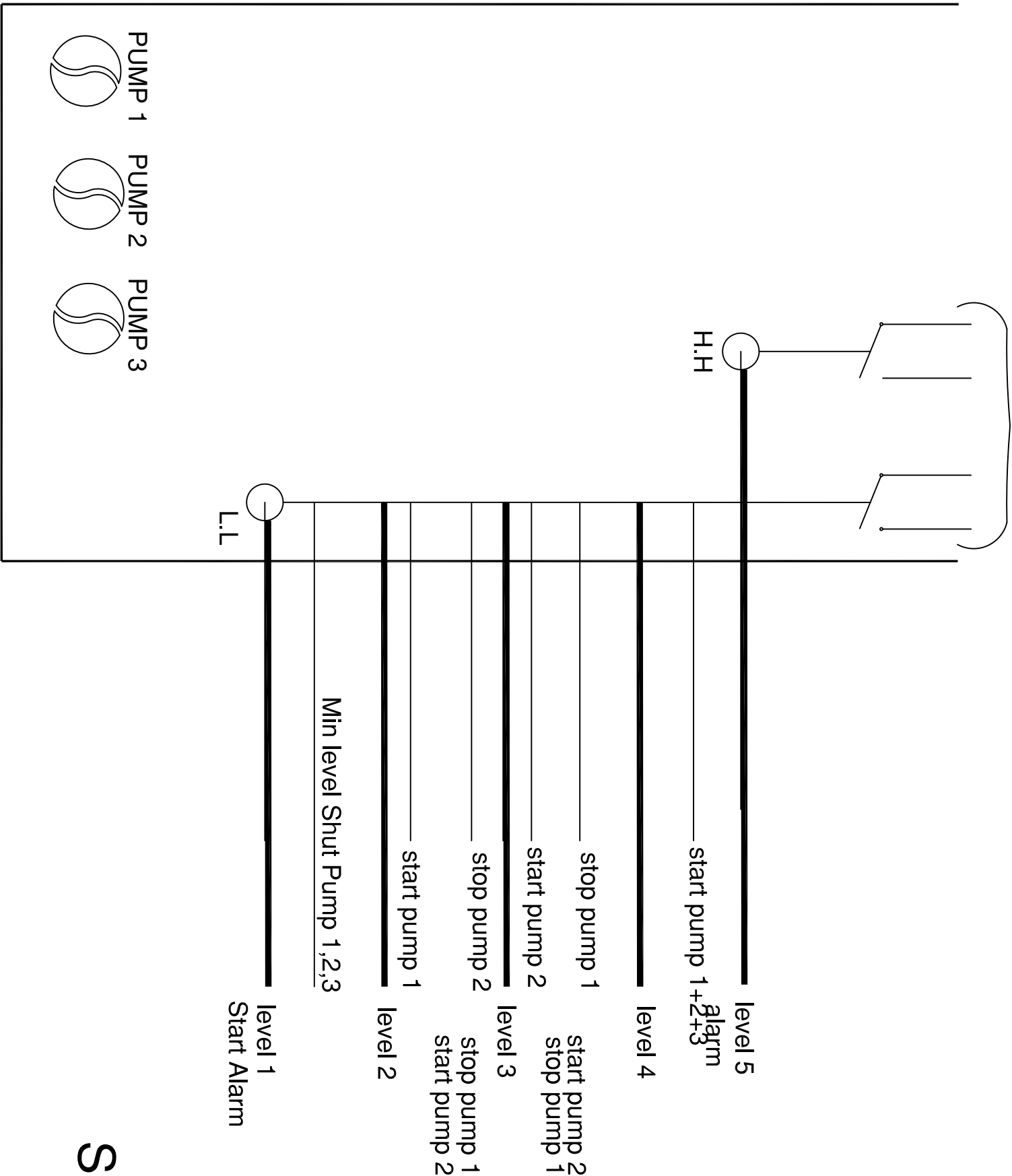
DRAWING NAME:-

Water Level Sensor

DATE	Drawing No.:	Rev. No.
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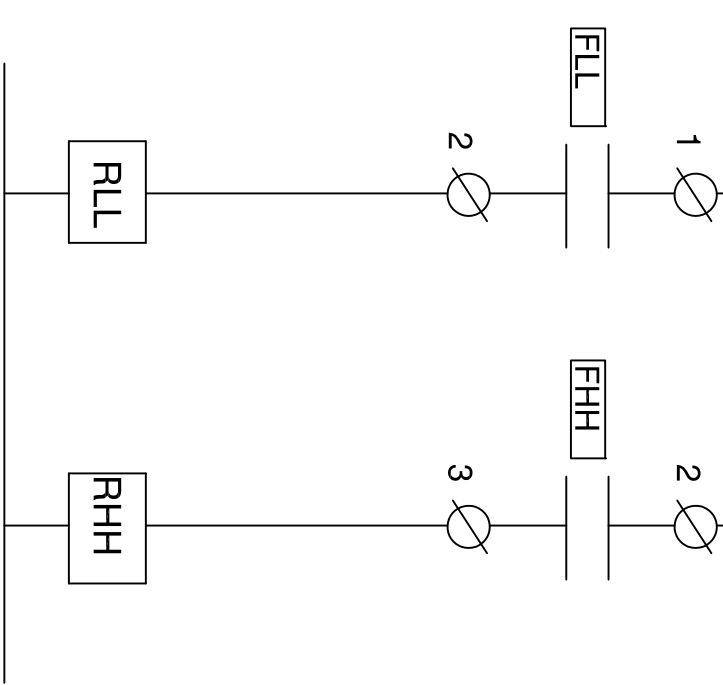
NOTES:

TO CONTROL PANEL



FROM PAGE E05

24 V



SCHEMATIC DIAGRAM

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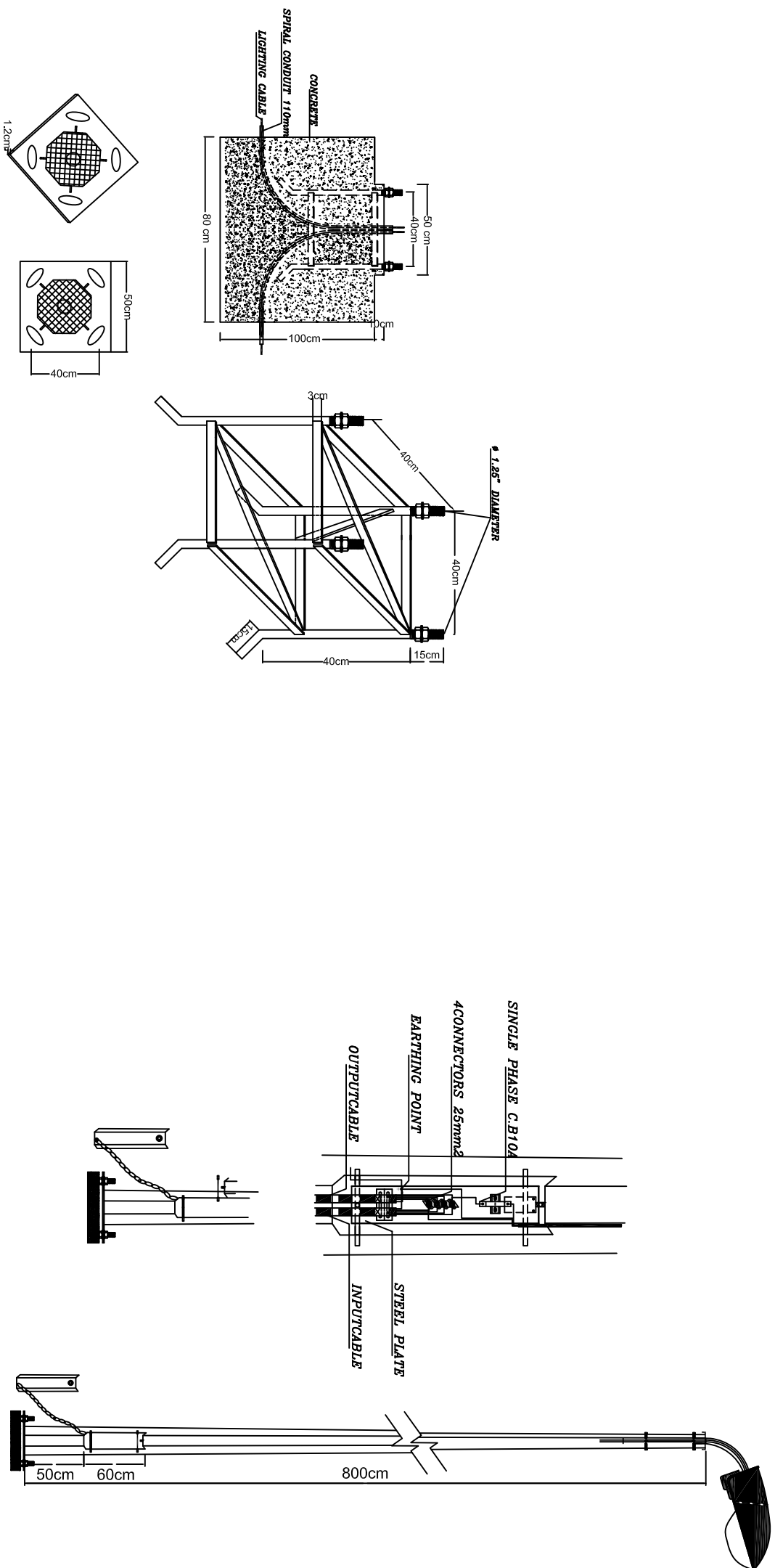
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INDUSTRIAL ESTATE (IGRIE)

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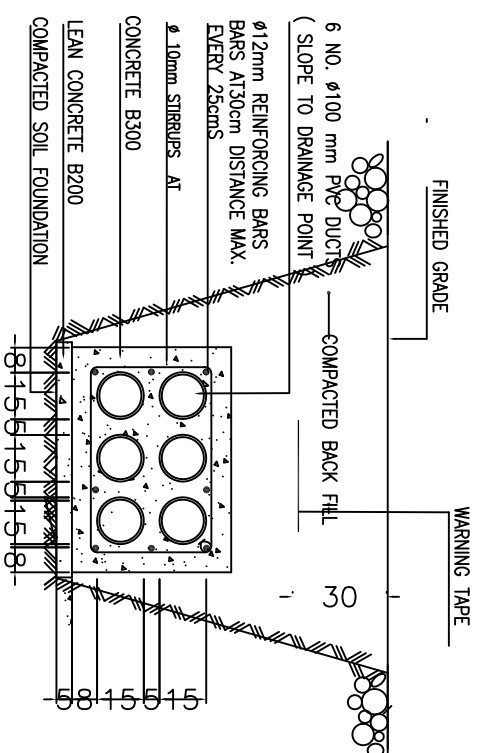
SCHEMATIC DIAGRAM

DATE	Drawing No.:	Rev. No.
	ELEC 13	

NOTES:



COMPARTMENT OF
CUT OUT UNIT



Lighting Pole 8m
NTS

CONCRETE ENCASED DUCT BANKS

NOTES:									
DONATED BY:  European Union IMPLEMENTED BY:  OWNER  PIEFZA PROJECT:- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RGIE) DRAWING NAME:- DETAILS									
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INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-

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NOTES:

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Drawings Table

Drawing No.	Drawing Name
M 00	Drawings Table
M 01	Industrial Sewage Pump Station details
M 02	Industrial Sewage Pump Station details
M 03	Industrial Sewage Pump Station details
M 04	Manifold Details
M 05	Wastewater Manual Bar Screen Details
M 06	Industrial Sewage Pump Station details
M 07	Industrial Sewage Pump Station details
M 08	Industrial Sewage Pump Station details
M 09	Industrial Sewage Pump Station details
M 10	Industrial Sewage Pump Station details

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Empowering People
Building a Better World

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PIEFZA

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

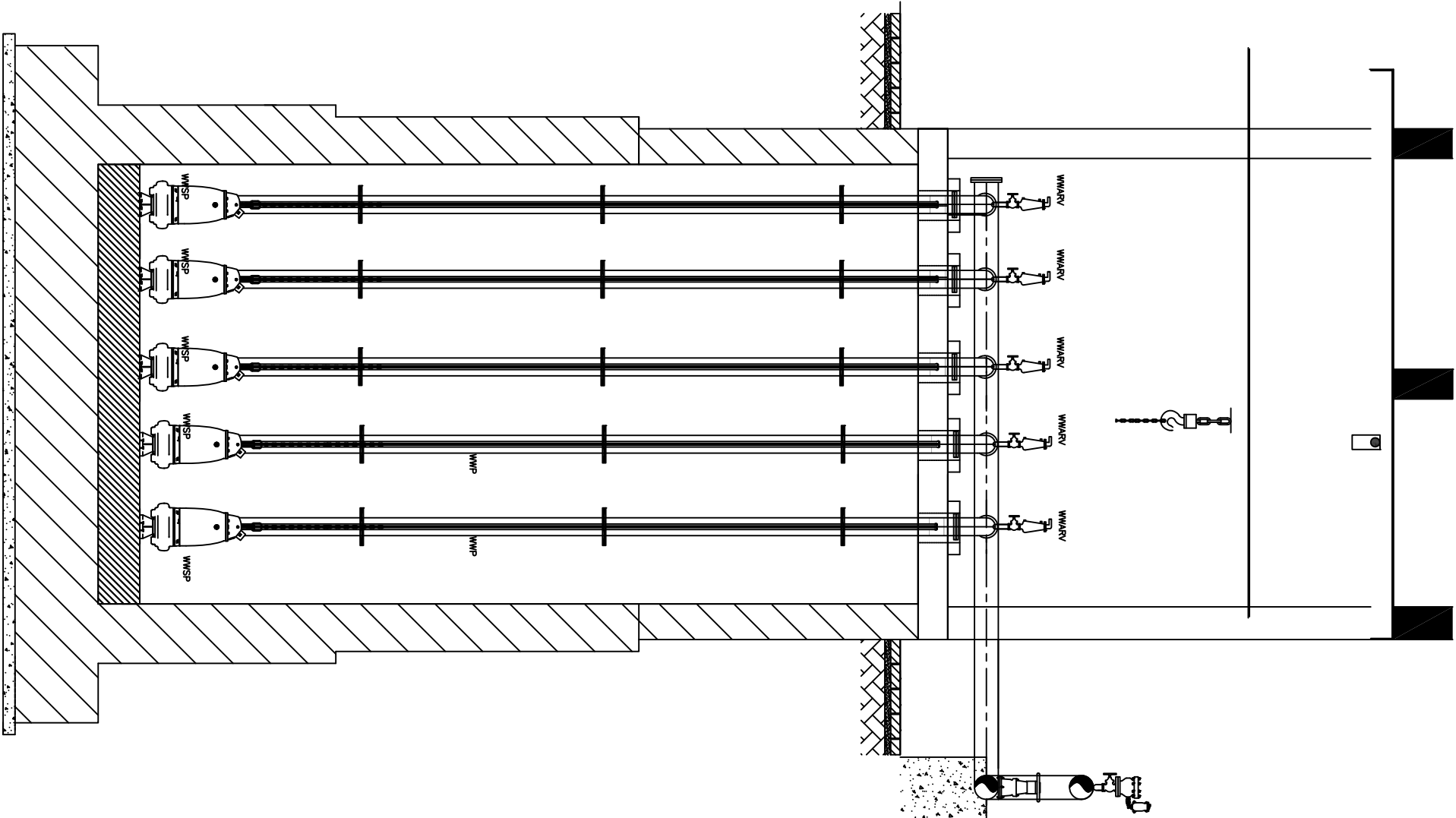
DRAWING NAME:-
Drawings Table

DATE

Drawing No.:
M 00

Rev.
No.

NOTES:



Manifold Details

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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:



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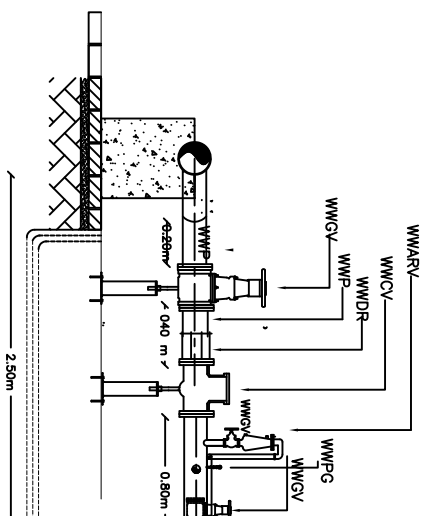
PIEFZA

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

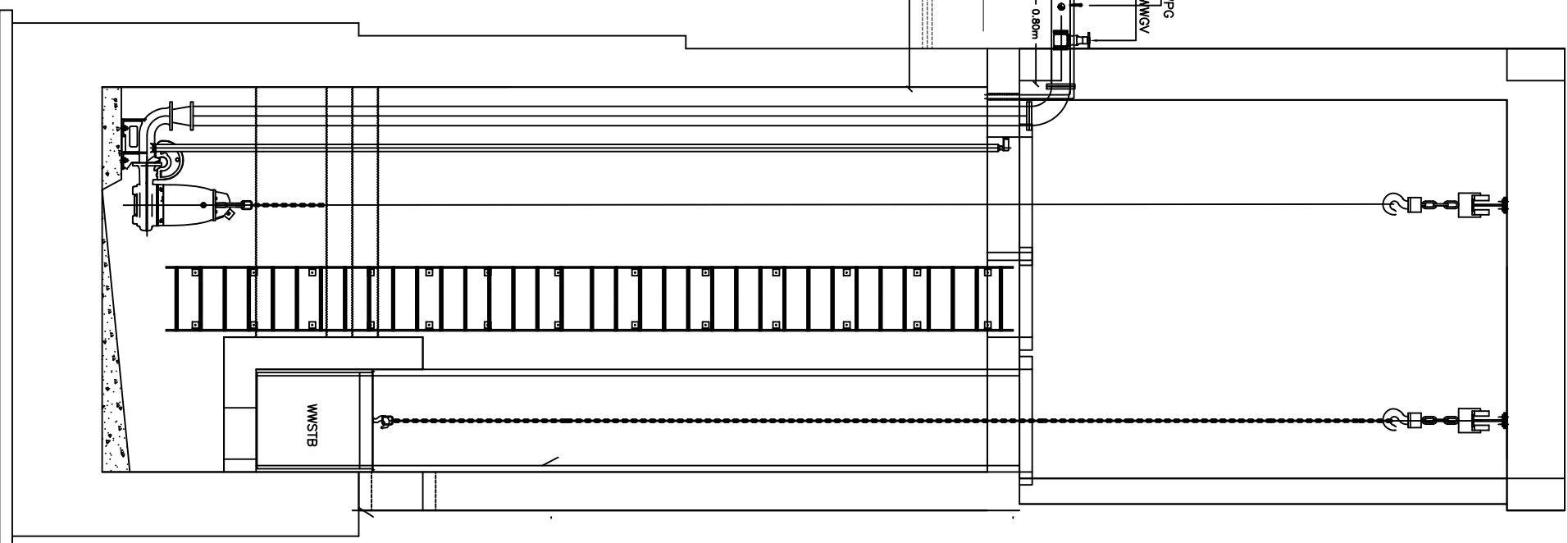
DRAWING NAME:-
Industrial Sewage Pump Station details

DATE	Drawing No.:	Rev. No.
	M 02	

NOTES:



Manifold Details



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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:



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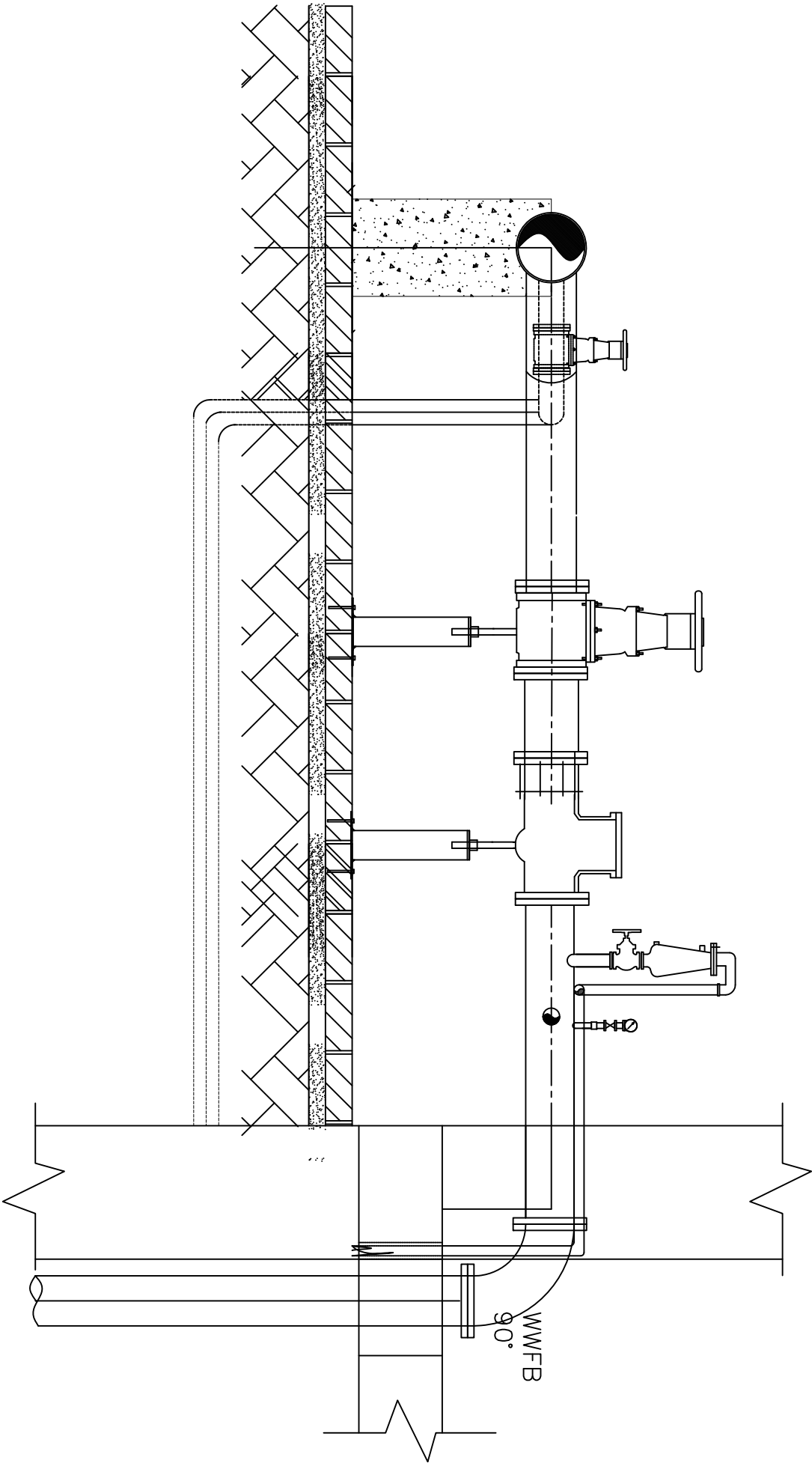
Approved by:
Liberian President

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

DRAWING NAME:-
Industrial Sewage Pump Station details

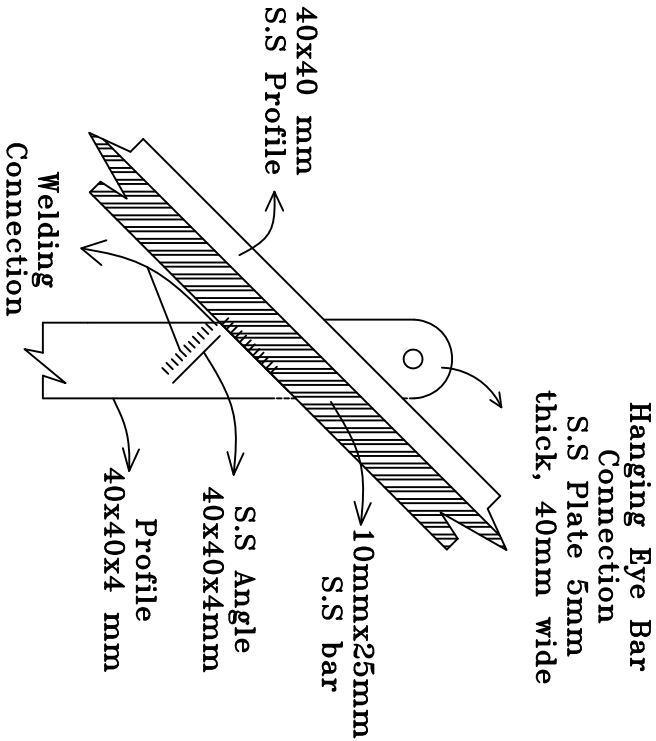
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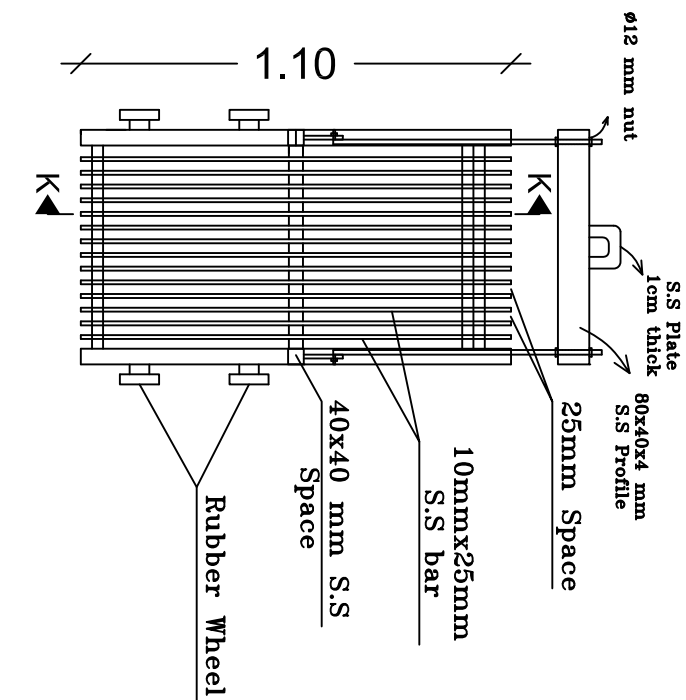
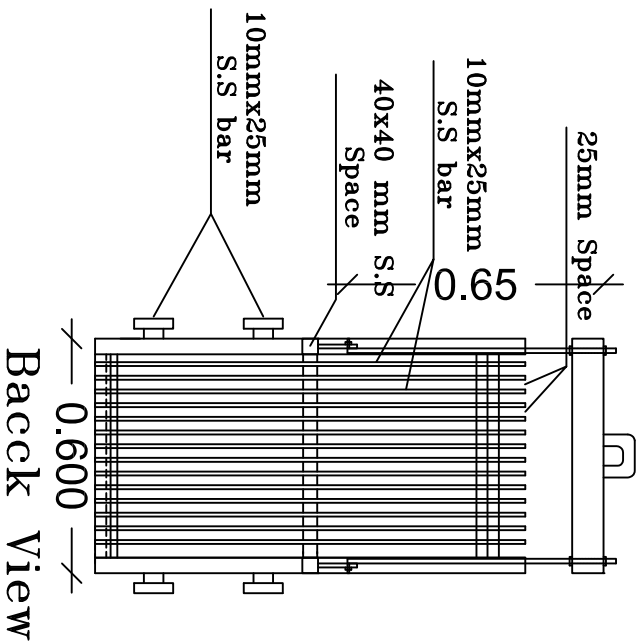


Manifold Details

OWNER  IMPLEMENTED BY:  PROJECT- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCRIE) DRAWING NAME:- Manifold Details DATE Drawing No.: M 04 Rev. No.			
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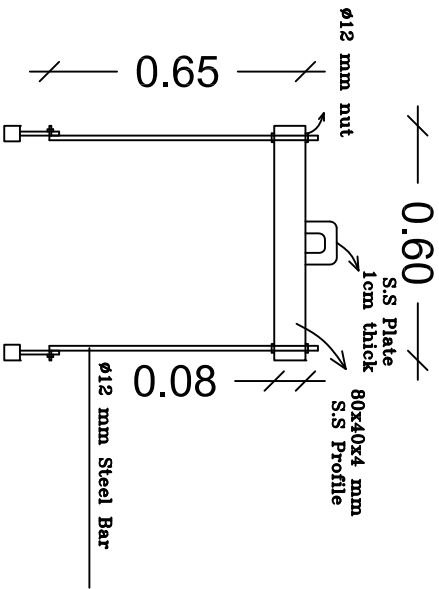


Detail A
Not To Scale

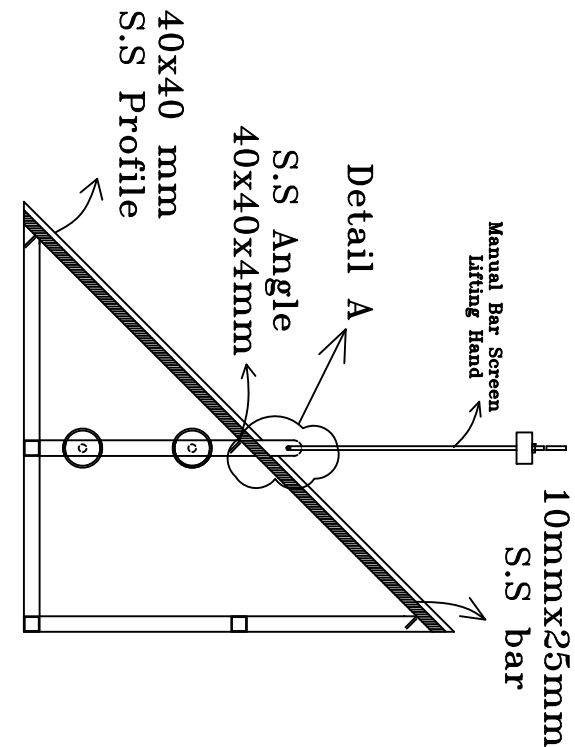


Scale 1:20

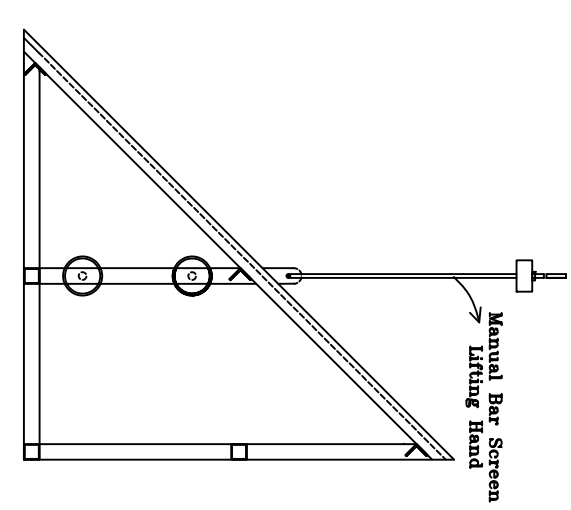
Front View
Scale 1:20



Manual Bar Screen Lefting Handel
Scale 1:20



1.10



1.10

Note

The Bar Screen will be lifted using the Electrical Hoist and will move up through a channel rail and side rubber wheels
The Bar Screen will be lifted using the Electrical Hoist and will move up through a channel rail and side rubber wheels

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
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UNDP
Industrial Estate (ICSE)

OWNER



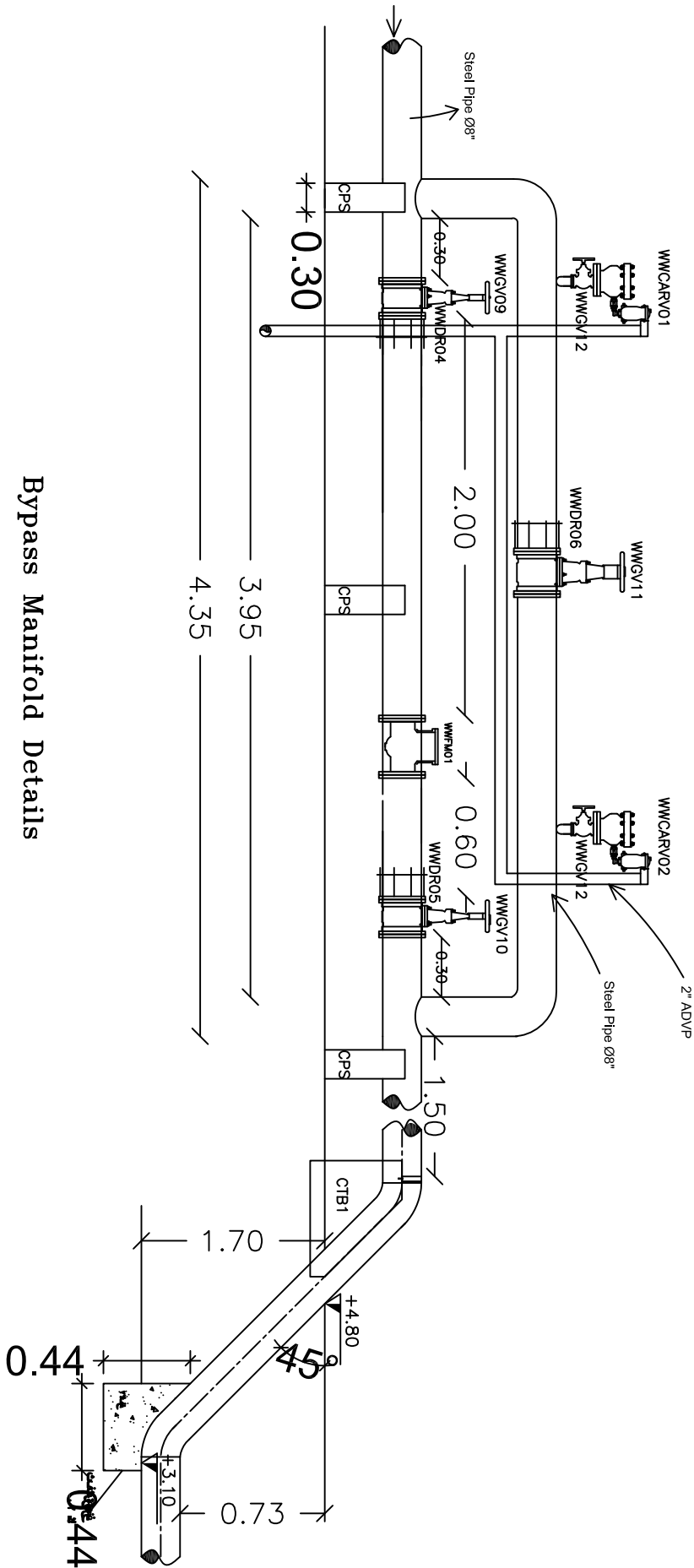
PIEFZA

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

DRAWING NAME:-
Wastewater Manual Bar Screen Details

DATE	Drawing No.:	Rev. No.
	M 05	

NOTES:



Bypass Manifold Details

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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:



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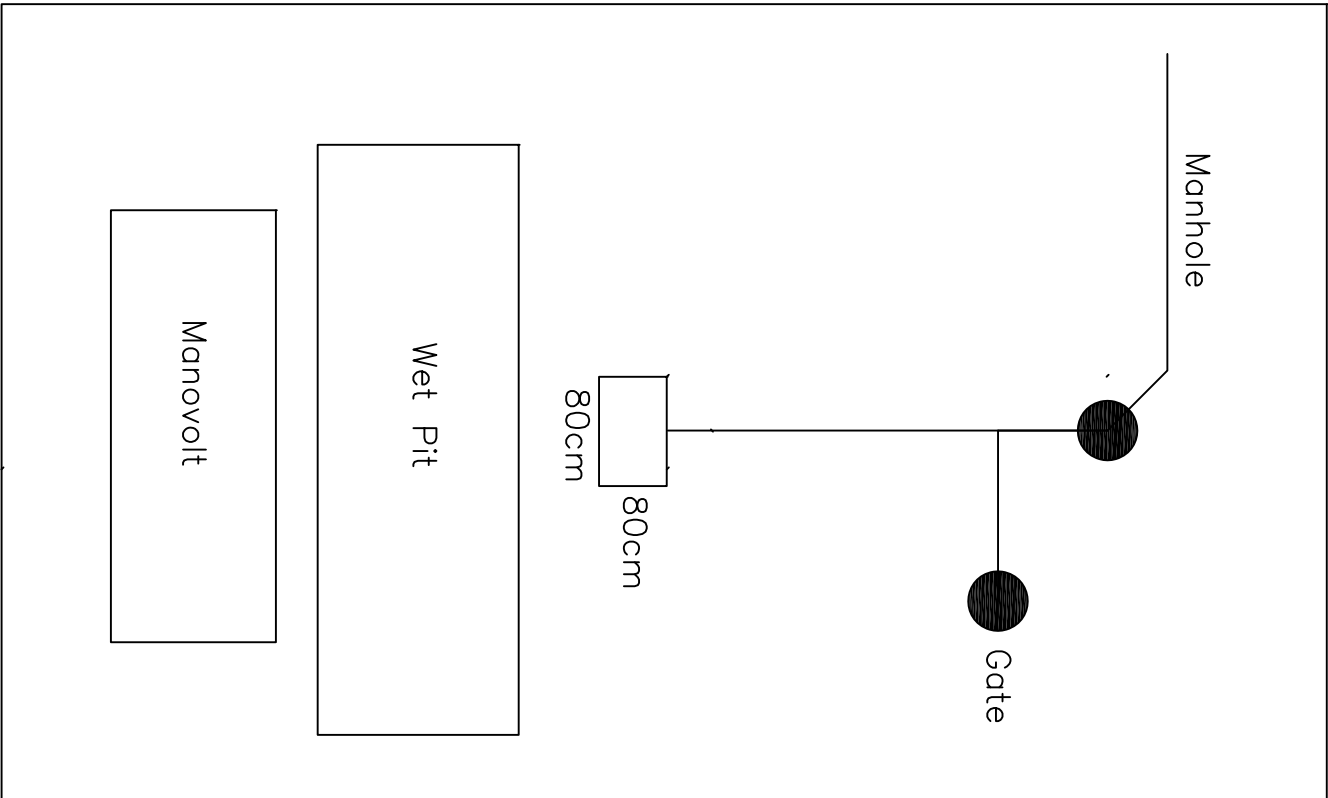
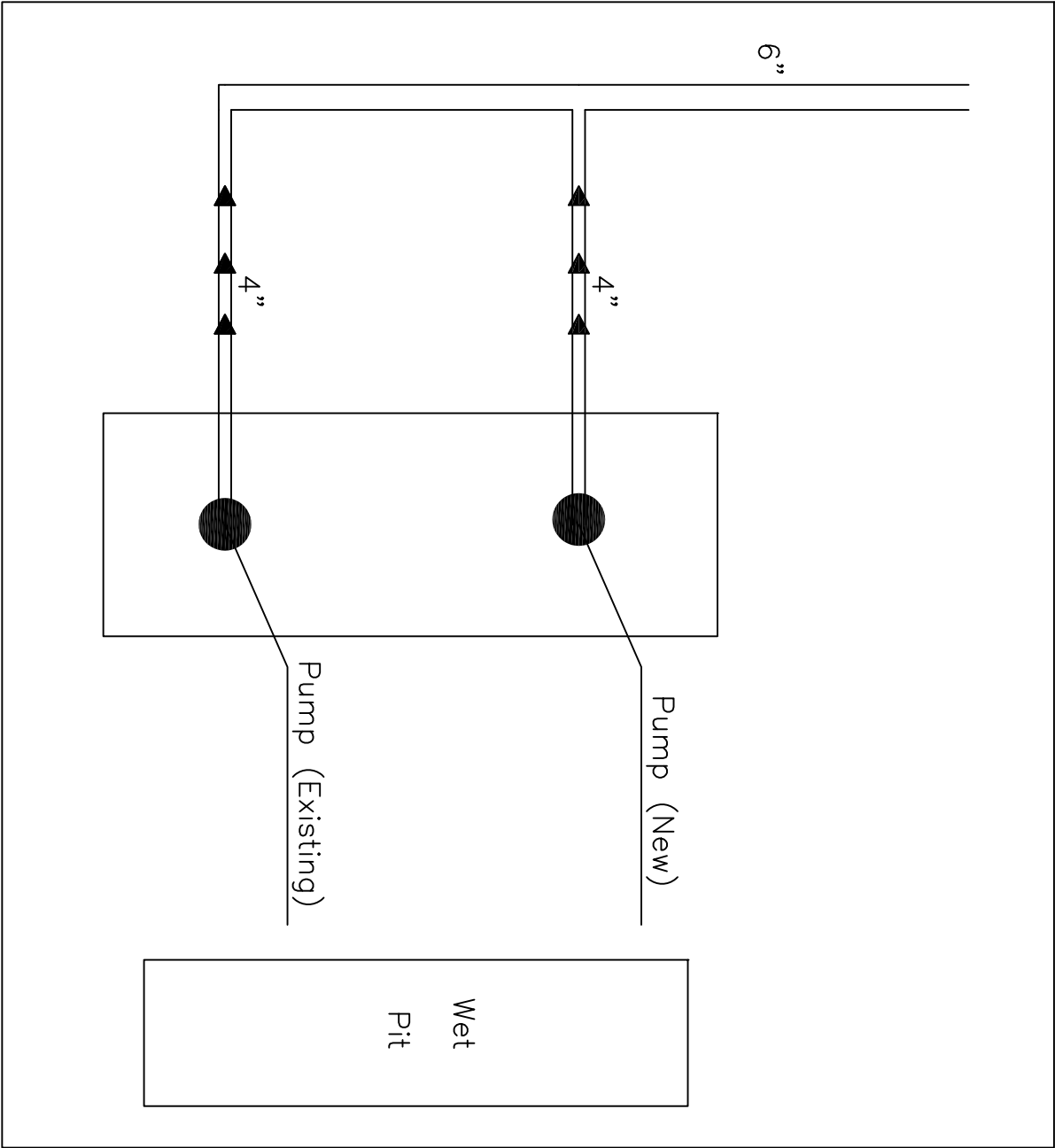
PIEFZA

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

DRAWING NAME:-
Industrial Sewage Pump Station details

DATE	Drawing No.:	Rev. No.
	M 06	

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UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale

DONATED BY:



European Union

IMPLEMENTED BY:



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PIEFZA

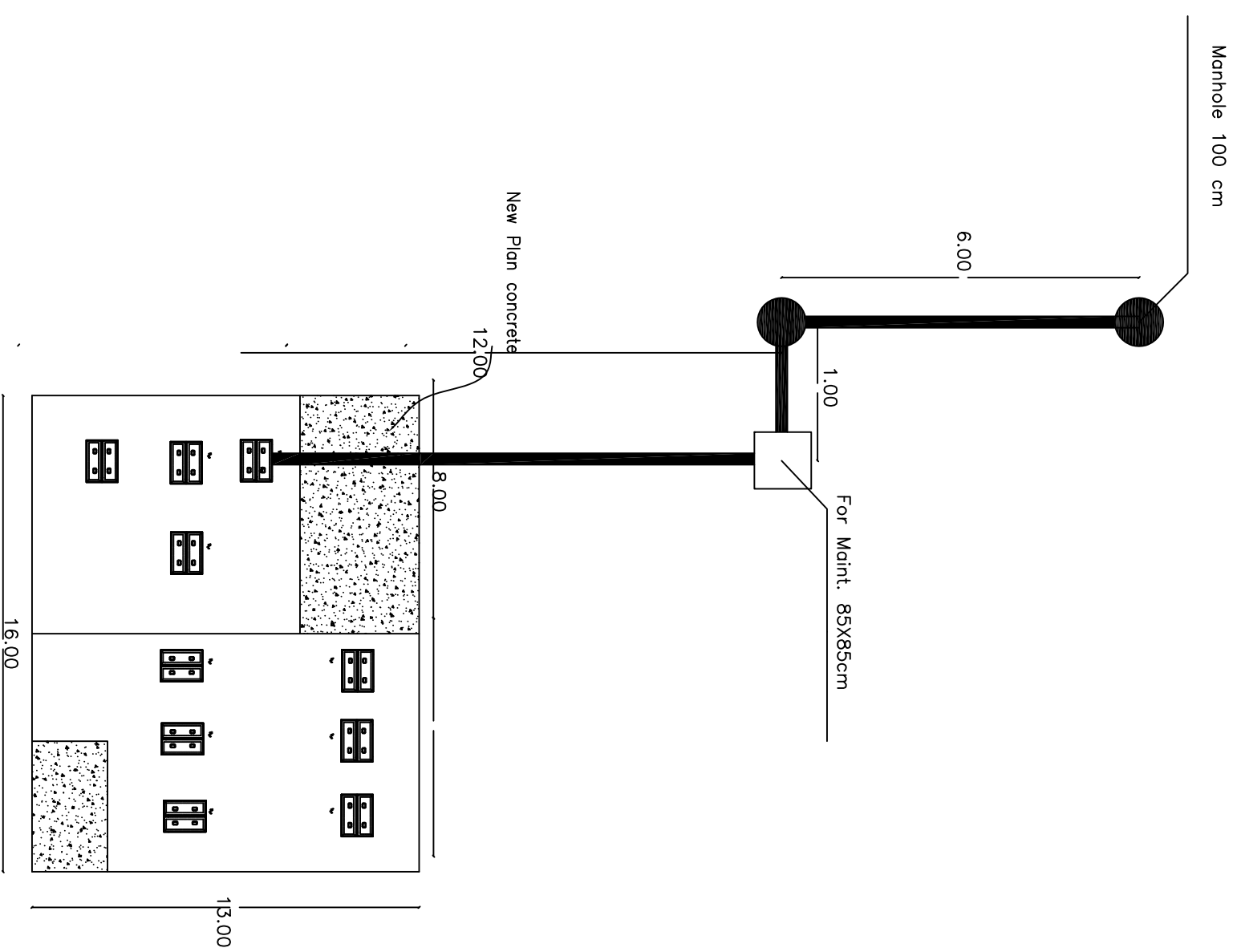
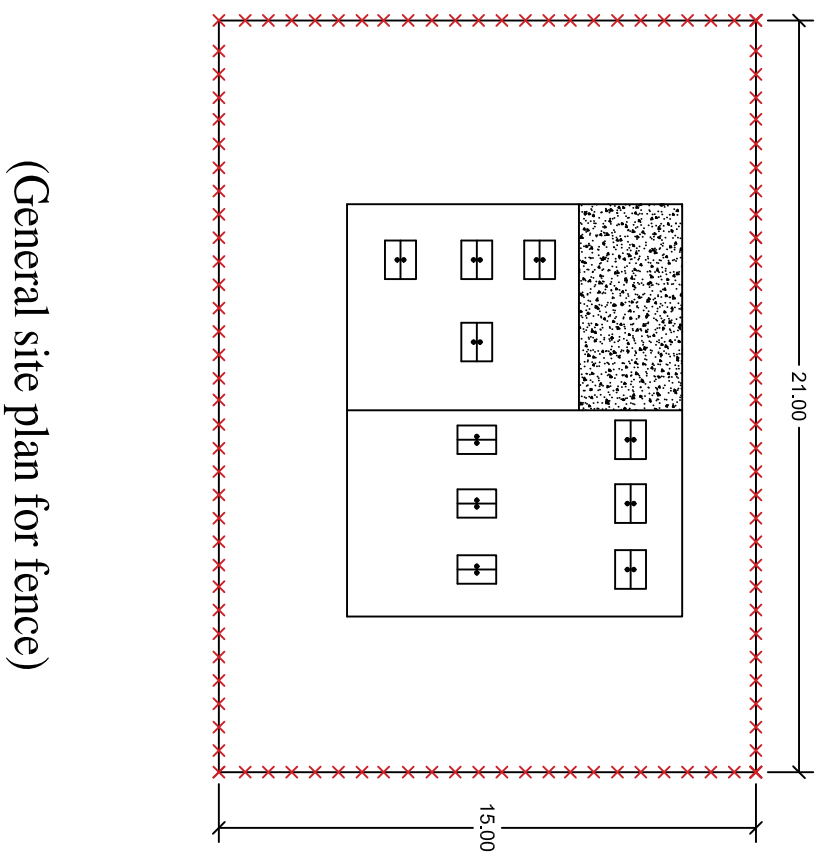
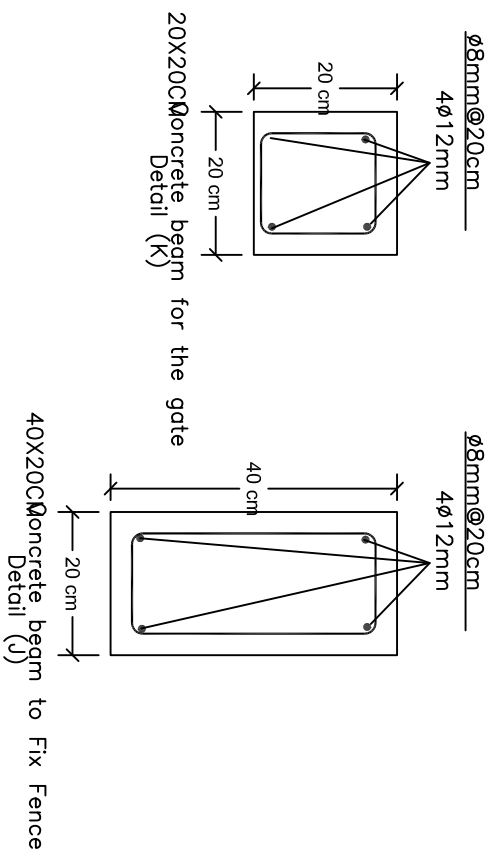
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGRIE)

DRAWING NAME:-
Industrial Sewage Pump Station details

DATE	Drawing No.:	Rev. No.
	M 07	

Second Pump

NOTES:



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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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European Union	

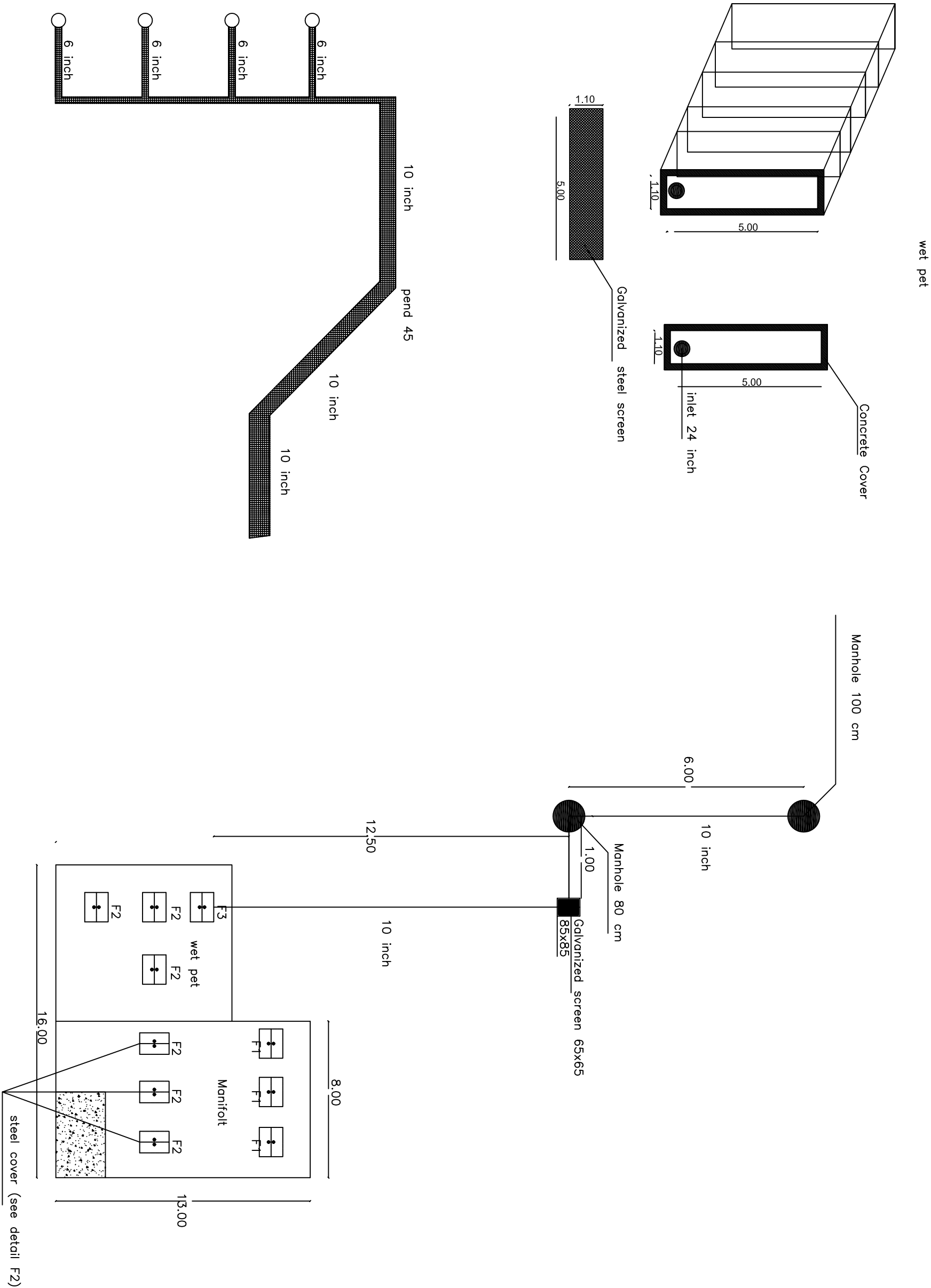
IMPLEMENTED BY:	
	

OWNER	
	
PIEFZA	

PROJECT:- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RGIE)	
DRAWING NAME:- Industrial Sewage Pump Station details	

DATE	Drawing No.:	Rev. No.
	M 09	

NOTES:



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

Date	File Name	Scale



European Union

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

DRAWING NAME:-

Industrial Sewage Pump Station details

DATE	Drawing No.:	Rev. No.
	M 10	

NOTES:

FOR TENDER ONLY

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCGIE)

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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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REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCGIE)

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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DONATED BY:



European Union

IMPLEMENTED BY:



OWNER



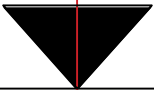
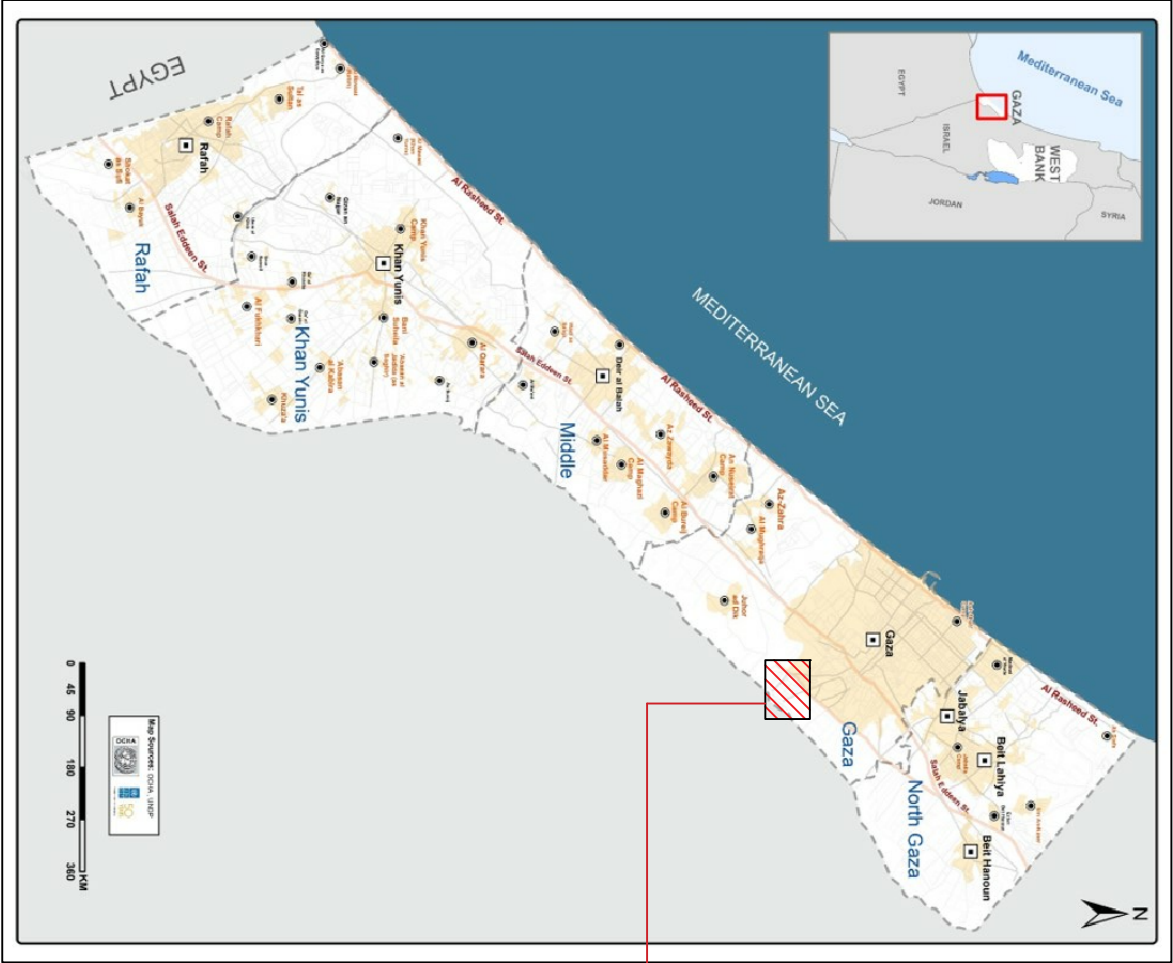
PIEFZA

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
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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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DONATED BY:



European Union

IMPLEMENTED BY:



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

DRAWING NAME:-

LAYOUT

DATE	Drawing No.:	Rev. No.

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			
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PROJECT- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (ICGIE) DRAWING NAME:- LAYOUT			
DATE Drawing No.:		Rev. No.	

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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

IMPLEMENTED BY:



OWNER



PIEFZA

PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RCRIE)

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

NOTES:

FOR TENDER ONLY

Not To Scale

Drawings Table

Drawing No.	Drawing Name
ELEC 00	Drawings Table
ELEC 01	POWER SINGLE LINE DIAGRAM
ELEC 02	MDB EXTERNAL PANEL LAYOUT
ELEC 03	MDB INTERNAL PANEL LAYOUT
ELEC 04	POWER SINGLE 220V CONTROL DIAGRAM
ELEC 05	220V CONTROL DIAGRAM
ELEC 06	24V CONTROL DIAGRAM
ELEC 07	LOCAL ISOLATING SWITCH DETAILS

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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:



OWNER



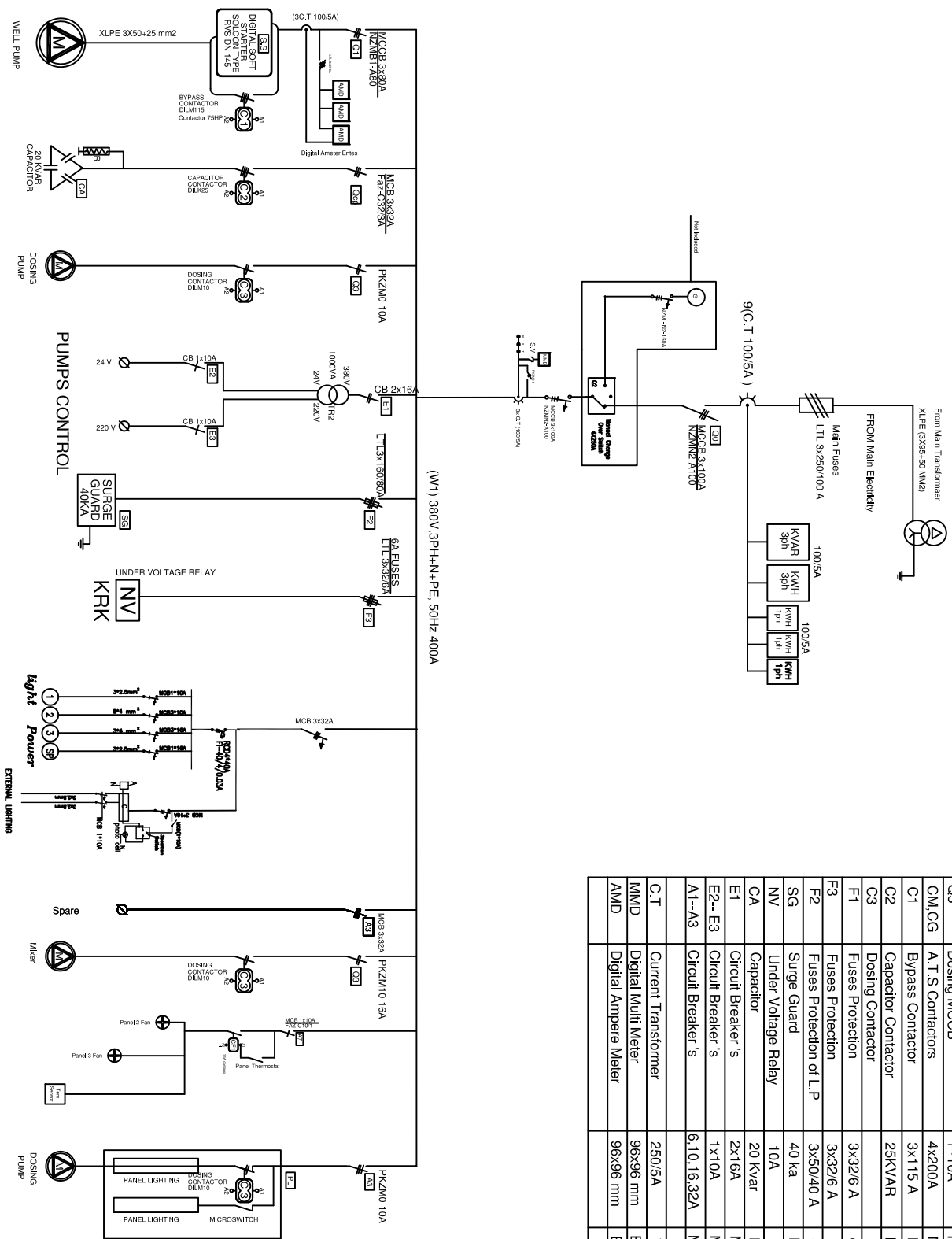
PIEFZA

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

DRAWING NAME:-
Drawings Table

DATE	Drawing No.:	Rev. No.
	ELEC 00	

NOTES:



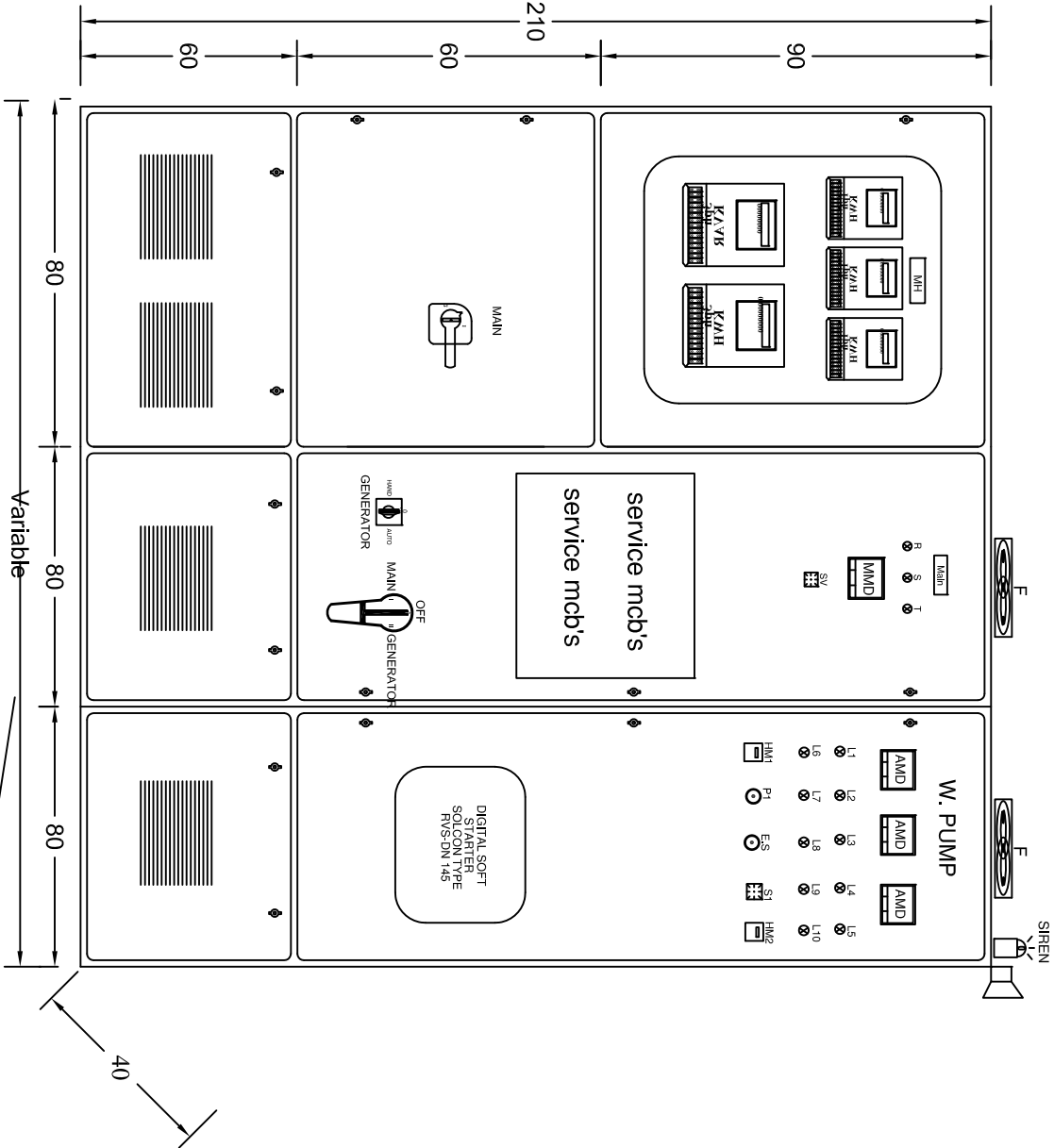
DATA SHEET				
Drawing Symbol	Description	Rating A V,kA,Var	Manufacturer Country	Model
Q0	Main MCCB	3x160A-50kA	Moeller	NZM2-AE25C
CM,CG	M.T.S	4x200A	Moeller	
Q1	Motor MCCB	3x125A-50kA	Moeller	NZM1-A125
Q3	Dosing MCCB	1-10A	Moeller	PKZMO-10
CM,CG	A.T.S Contactors	4x200A	Moeller	DILMP200
C-1	Bypass Contactor	3x115 A	Moeller	DIL M1 15
C2	Capacitor Contactor	28kVAR	Moeller	DILK25-11
C3	Dosing Contactor			
F1	Fuses Protection	3x32/6 A	dt Spain	-----
F3	Fuses Protection	3x32/6 A	dt Spain	-----
F2	Fuses Protection of L.P	3x50/40 A	dt Spain	-----
SG	Surge Guard	40 ka	Moeller	-----
INV	Under Voltage Relay	10A	KRK	KADO4
CA	Capacitor	20 kVar	Ducati/Italy	-----
E1	Circuit Breaker 's	2x16A	Moeller	FAZ16-C-16/2
E2-- E3	Circuit Breaker 's	1x10A	Moeller	FAZ10-C-10/1
A1--A3	Circuit Breaker 's	6,10,16,32A	Moeller	FAZ-C /1,3
C.T	Current Transformer	250/5A	160/5A	-----
M/M/D	Digital Multi Meter	96x36 mm	Entes	EPM-04
AMD	Digital Ampere Meter	96x36 mm	Entes	EMP-4D

POWER SINGLE LINE DIAGRAM

NOTES:					
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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 (RGIE)					
DRAWING NAME:-					
POWER SINGLE LINE DIAGRAM					
DATE	Drawing No.: ELEC 01				Rev. No.

NOTES:

L2	Pump Fault
L3	High Temperature
L4	Electrical Fault NV
L5	Cooling On
L6	High Pressure
L7	Low Pressure
L8	NRV
L9	Dosing ON
L10	Dosing Fault
H.M1	Pump Hour Meter
H.M2	Dosing Pump Hour Meter
E.S	Emergency Stop
P1	Rest
S1	Pump Auto-0-Man Switch



Note:
The Width of MDB will be determined after Shop drawings & that all internal components were agreed

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



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

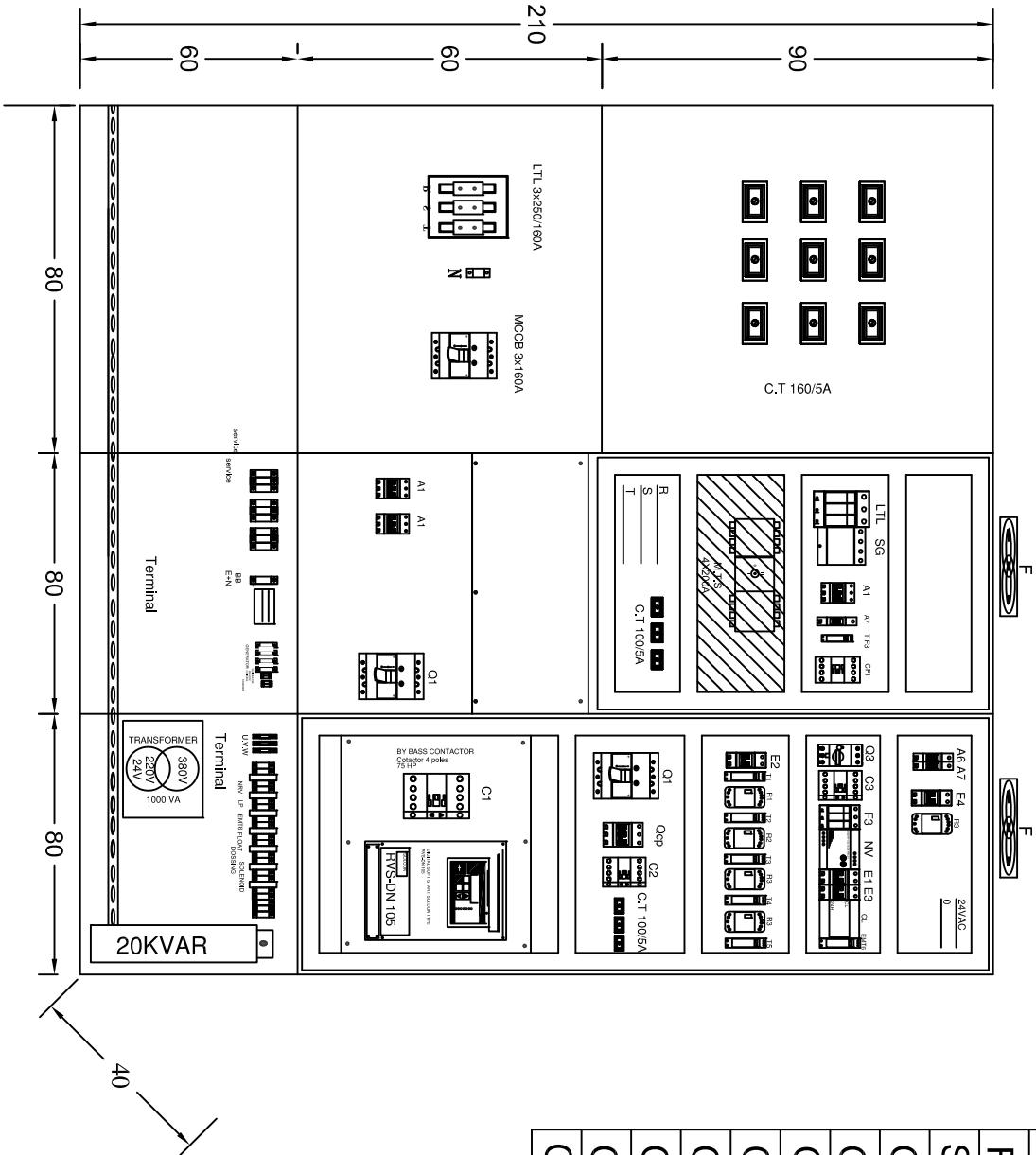
DRAWING NAME:-
MDB EXTERNAL PANEL LAYOUT

DATE	Drawing No.:	Rev. No.
	ELEC 02	

NOTES:

LEGEND :

T	Timer
R	Relay
NV	Under Voltage Relay
E	Circuit Breaker 's
F	LTL Fuses
SG	Surge Guard Protection
Q0	Main MCCB
QL	Main Load MCCB
Q2	Capacitor MCB
C3	Dosing PKZM
C1	Bypass Contactor
C2	Capacitor Contactor
C3	Dosing Contactor
CL	24v Hour



NOTES:

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No.	Description	Date	By
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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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PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (ICGIE)

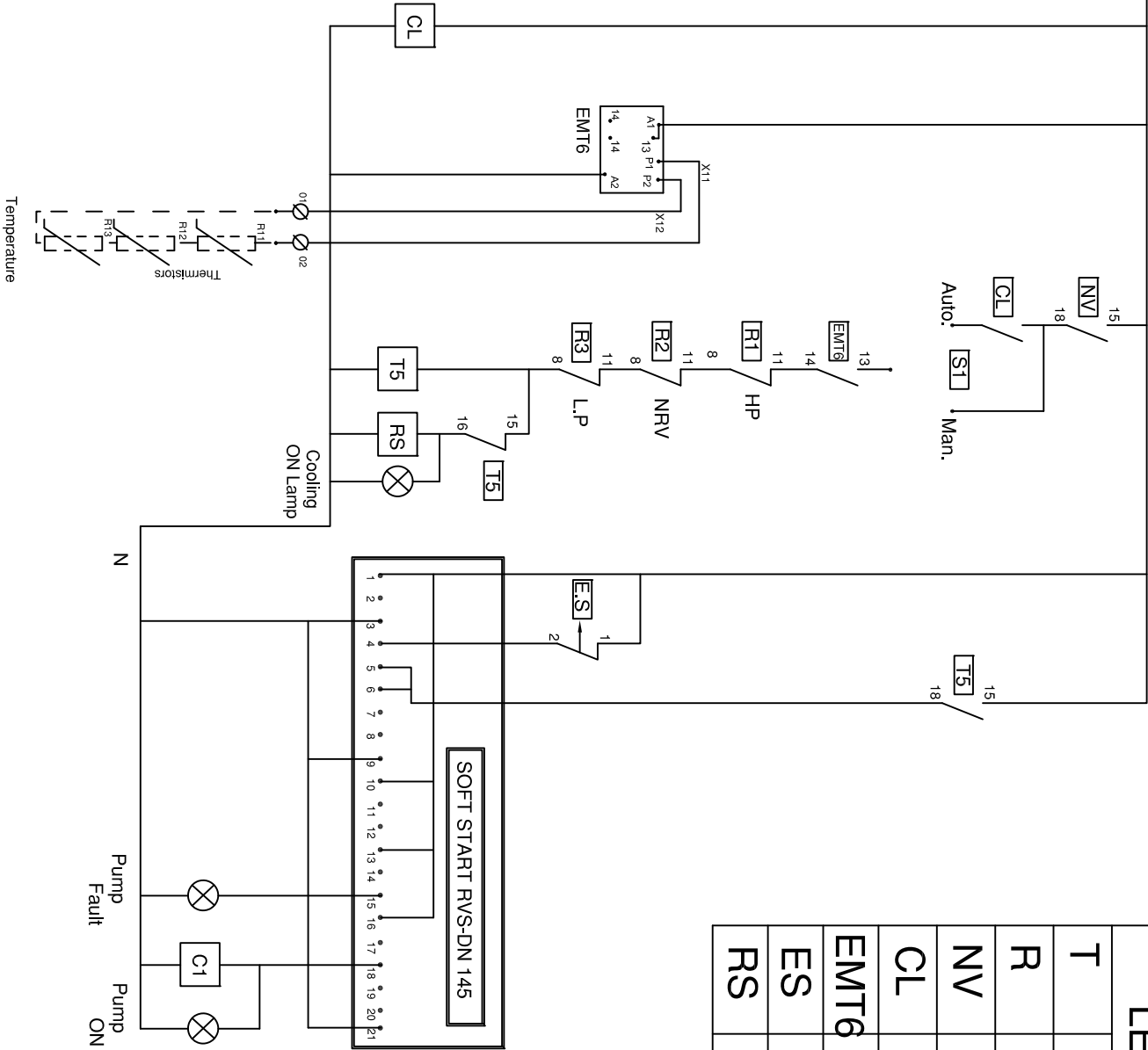
DRAWING NAME:-

MDB INTERNAL PANEL LAYOUT

DATE	Drawing No.:	Rev. No.
	ELEC 03	

NOTES:

LEGEND :	
T	Timer
R	Relay
NV	Under Voltage Relay
CL	24v Hour with Charger
EMT6	Temperature Relay
ES	Emergency Stop
RS	Soloid valve relay



220V CONTROL DIAGRAM

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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:



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IMPLEMENTED BY:



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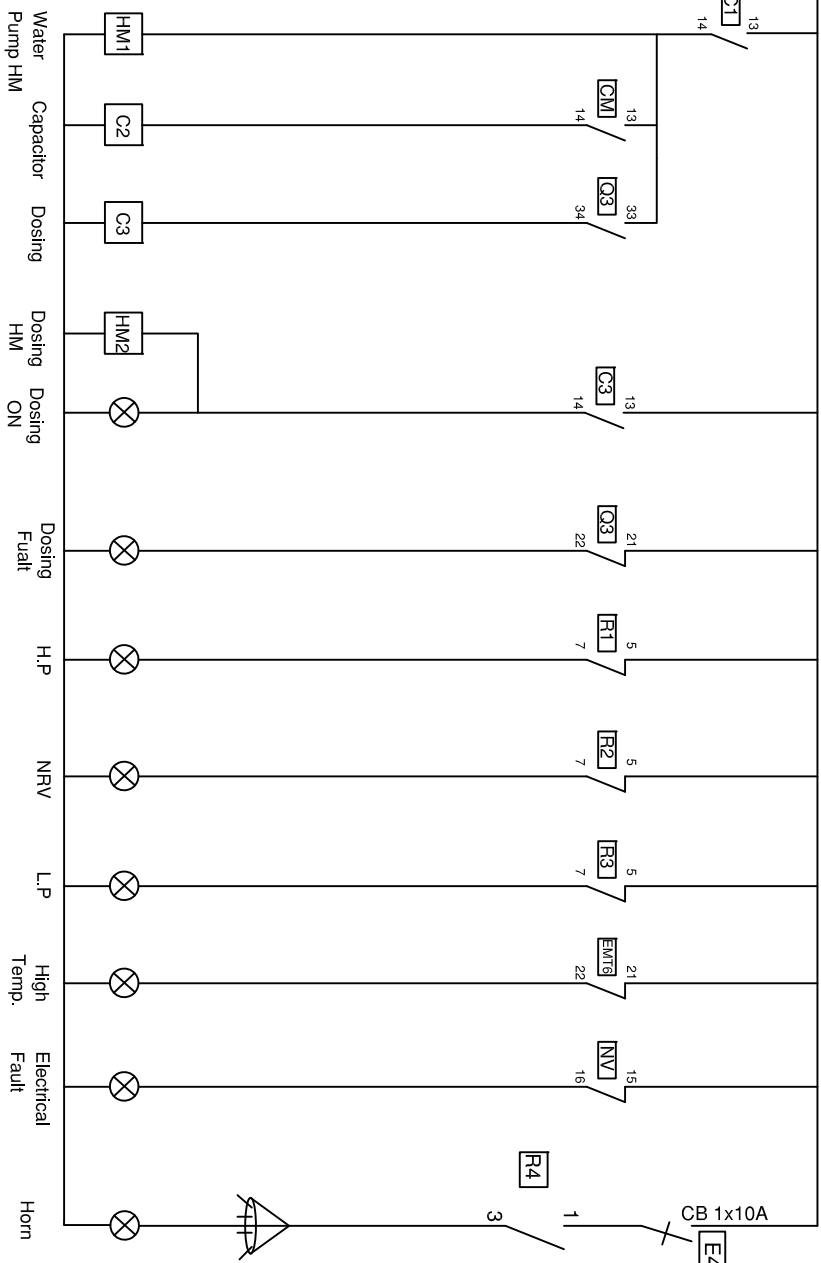
PROJECT-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-
POWER SINGLE 220V CONTROL DIAGRAM

DATE	Drawing No.:	Rev. No.
	ELEC 04	

NOTES:

220V FROM PAGE E0



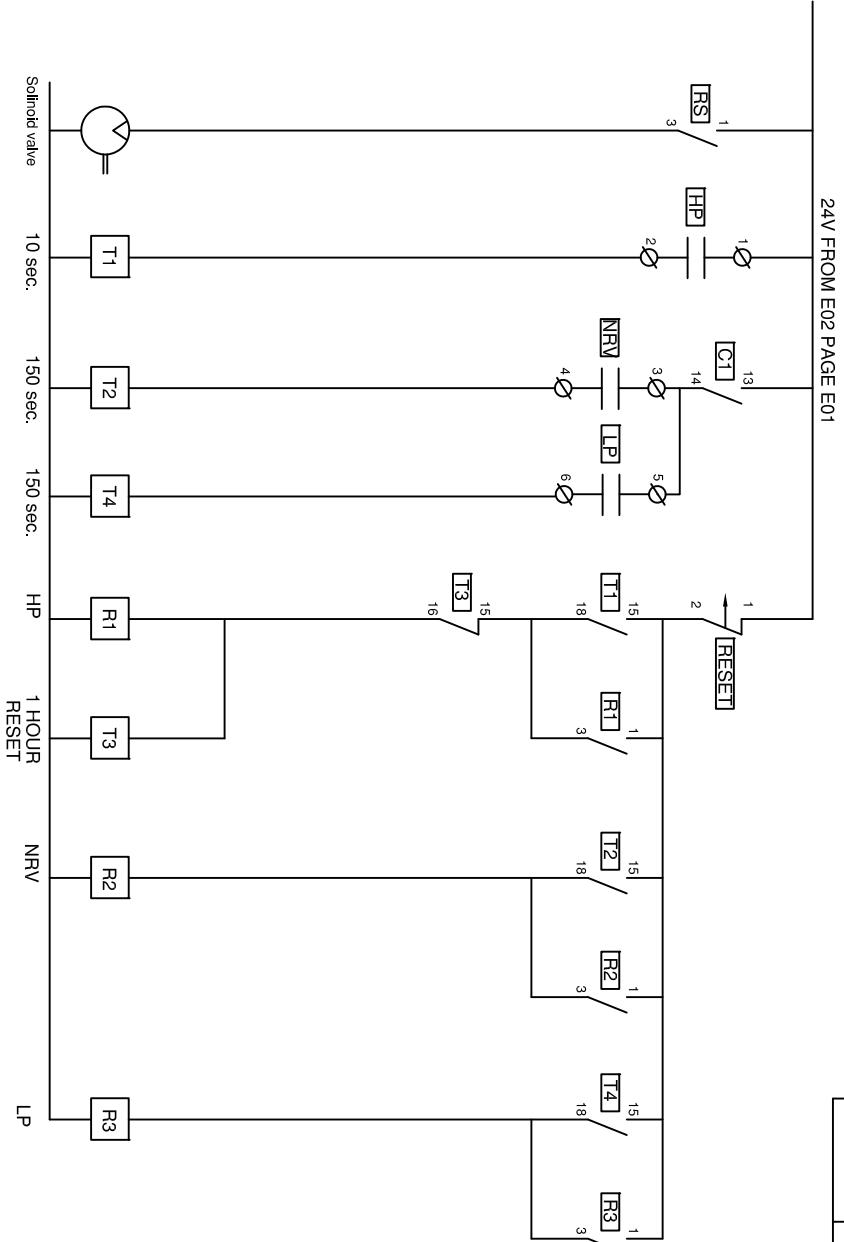
220V CONTROL DIAGRAM

NOTES:

			
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PROJECT:- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGRIE)			
DRAWING NAME:- 220V CONTROL DIAGRAM			
DATE	Drawing No.:	Rev. No.	
	ELEC 05		

NOTES:

LEGEND :	
R	Relay
T	Timer
HP	High Pressure Flaoat
NRV	NRV



24V CONTROL DIAGRAM

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No.	Description	Date	By
Revisions			
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2	Drawn		
3	Checked		
4	Approved		

UNDP Team	UNDP Team	UNDP Team	UNDP Team
UNDP Team	UNDP Team	UNDP Team	UNDP Team

Date	File Name	Scale

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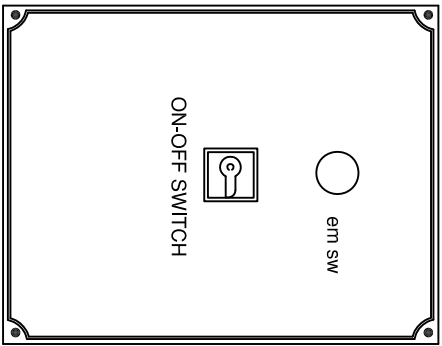
PROJECT:-
REHABILITATION AND CONSOLIDATION OF THE GAZA
INDUSTRIAL ESTATE (RCIGIE)

DRAWING NAME:-

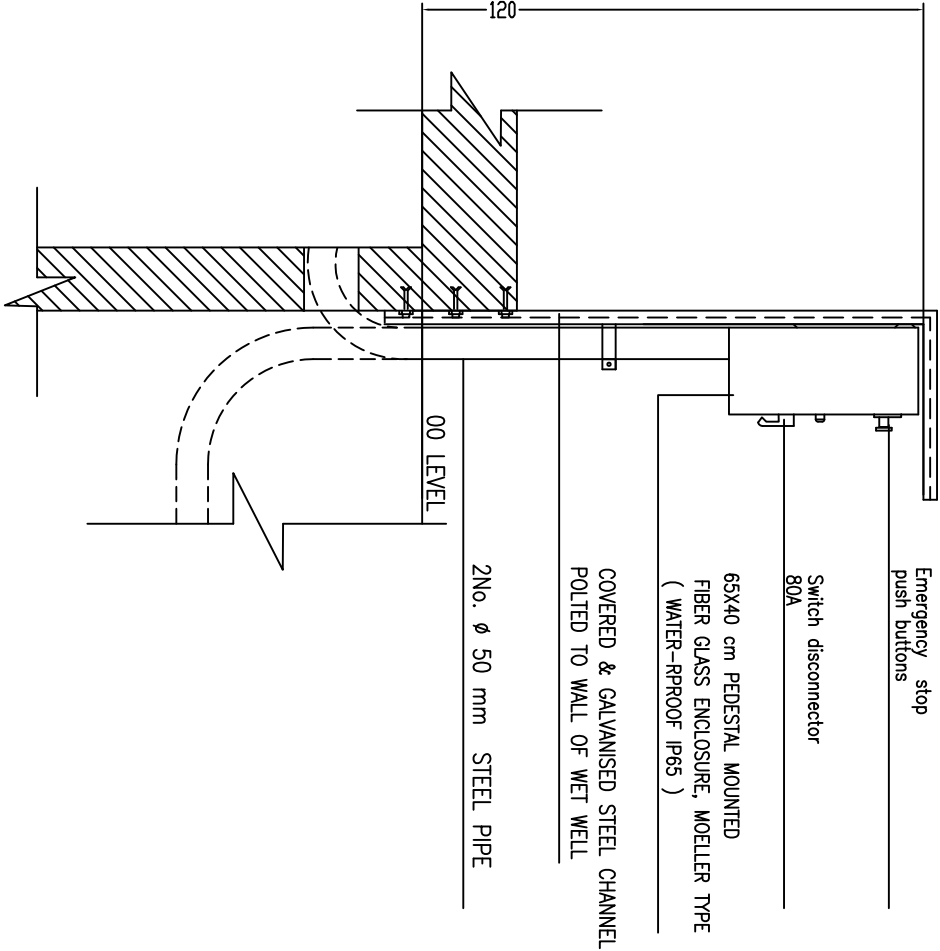
24V CONTROL DIAGRAM

DATE	Drawing No.:	Rev. No.
	ELEC 06	

NOTES:



LOCAL ISOLATING SWITCH



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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:



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

DRAWING NAME:-
LOCAL ISOLATING SWITCH DETAILS

DATE	Drawing No.:	Rev. No.
	ELFC 07	

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

DRAWING NAME:-

DATE	Drawing No.:	Rev. No.

NOTES:

FOR TENDER ONLY

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Drawings Table

Drawing No.	Drawing Name
M 00	Drawings Table
M 01	Manifold and Cyclone details
M 02	DETAIL OF C1
M 03	Details
M 04	Schematic diagram For Guidance only
M 05	ANCHOR BLOCKS

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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:



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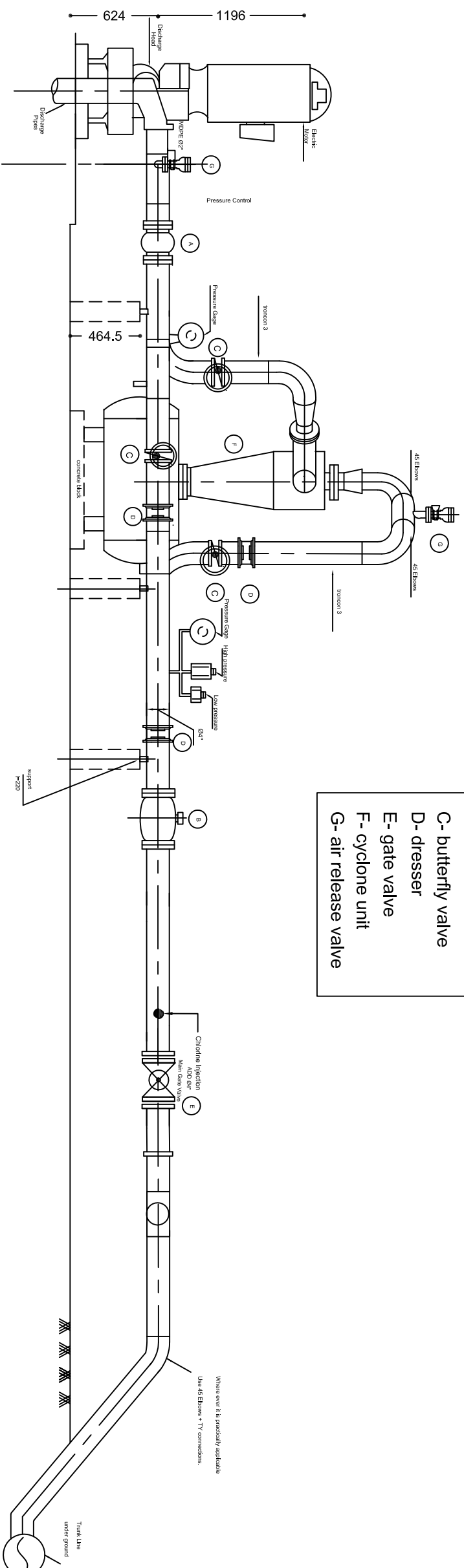
PIEFZA

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

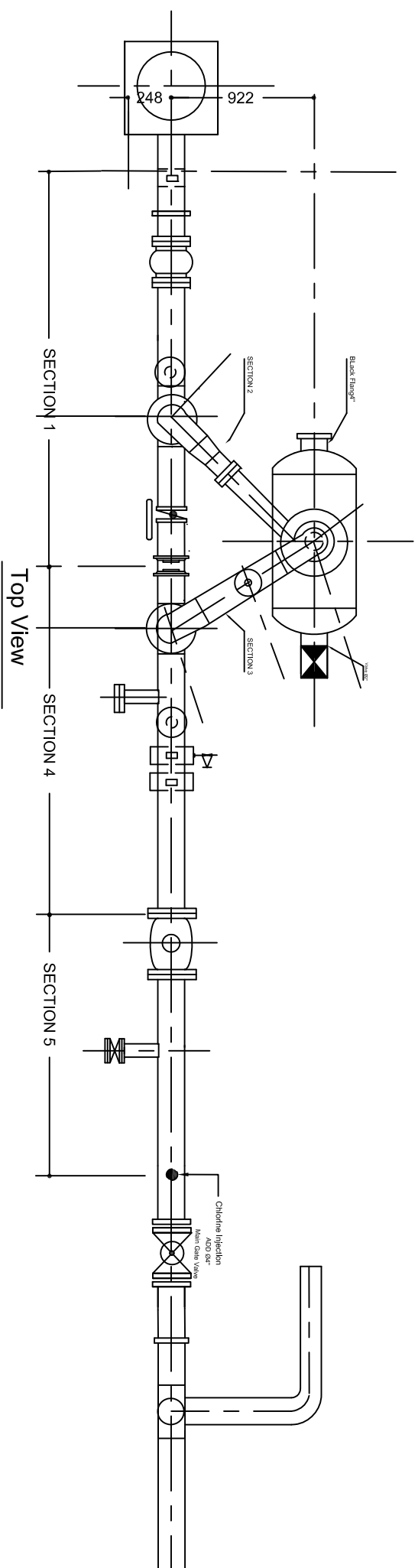
DRAWING NAME:-
Drawings Table

DATE	Drawing No.:	Rev. No.
	M 00	

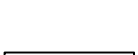
NOTES:



SIDE VIEW ELEVATION



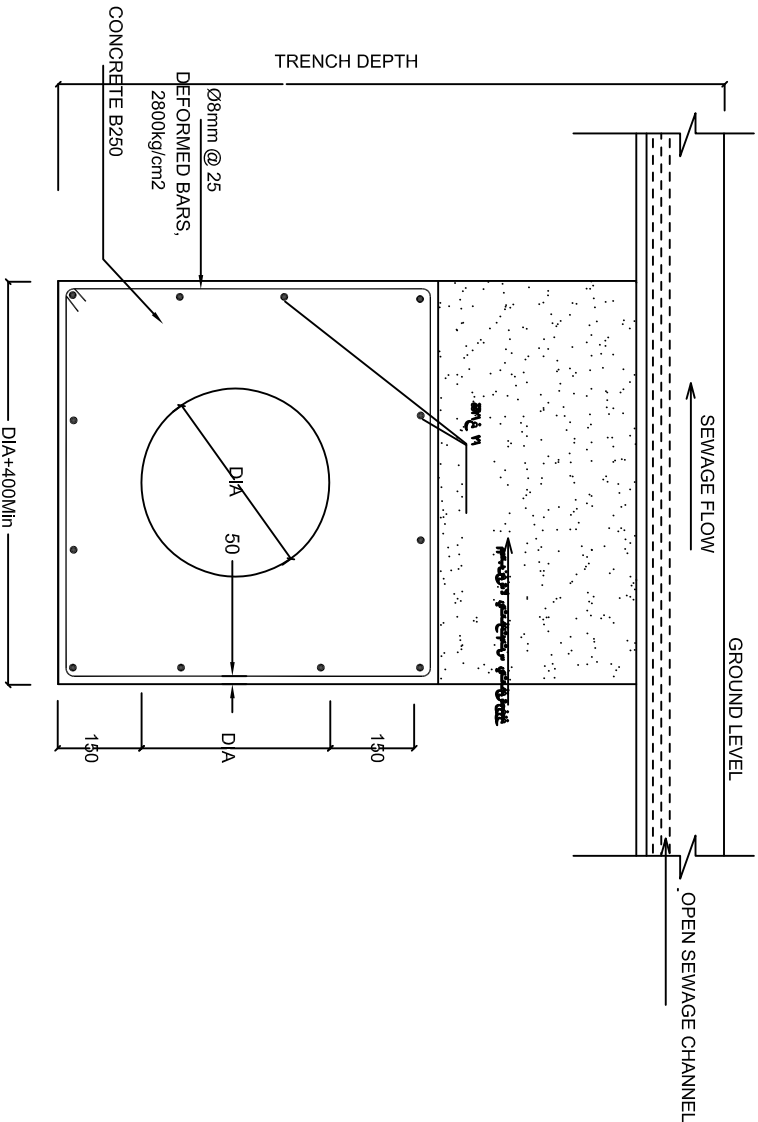
Manifold & Cyclone Details

NOTES:			
 DONATED BY: European Union		 IMPLEMENTED BY: PIIFZA	
 OWNER PIEFZA			
PROJECT:- REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (RGIE)			
DRAWING NAME:- Mainfold and Cyclone details			
DATE	Drawing No.: M/01	Rev. No.	

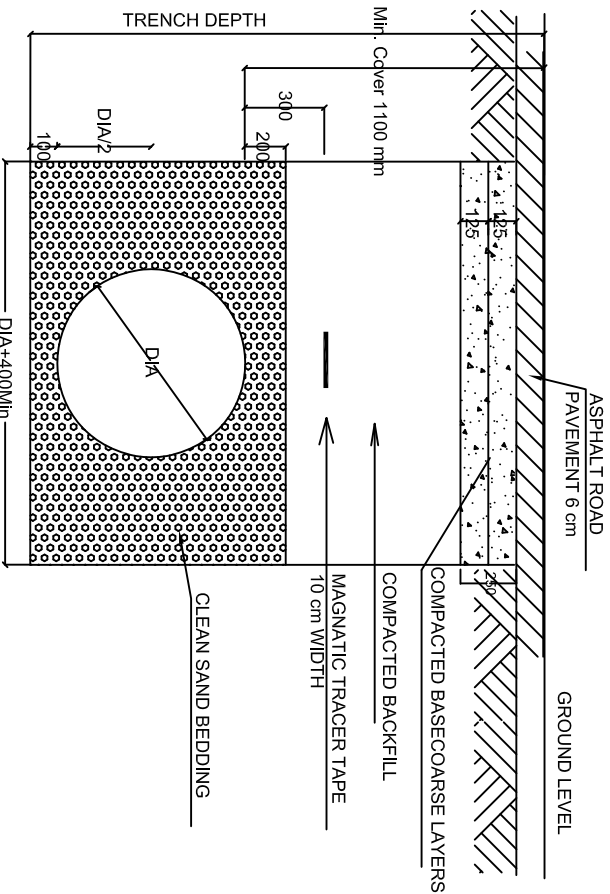
No.	Description	Date	By
4			
3			
2			
1			

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

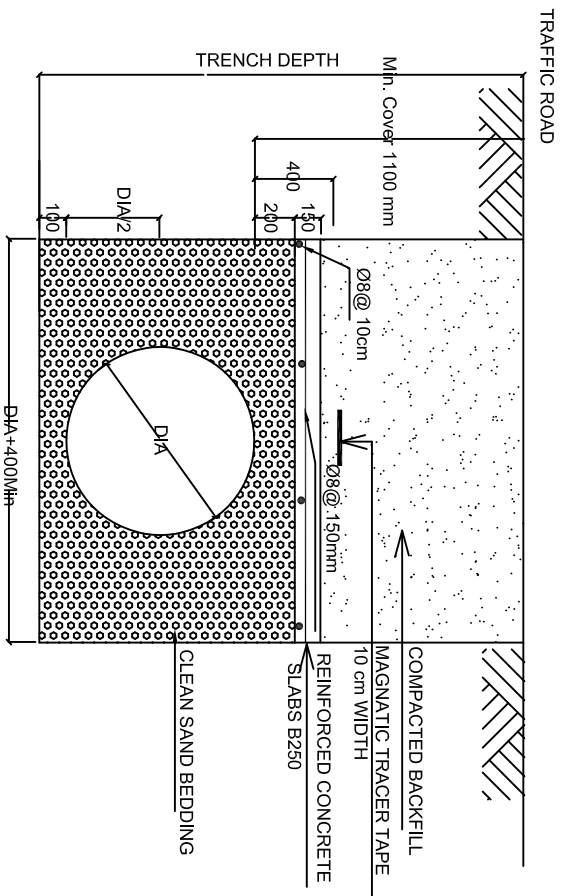
Date	File Name	Scale



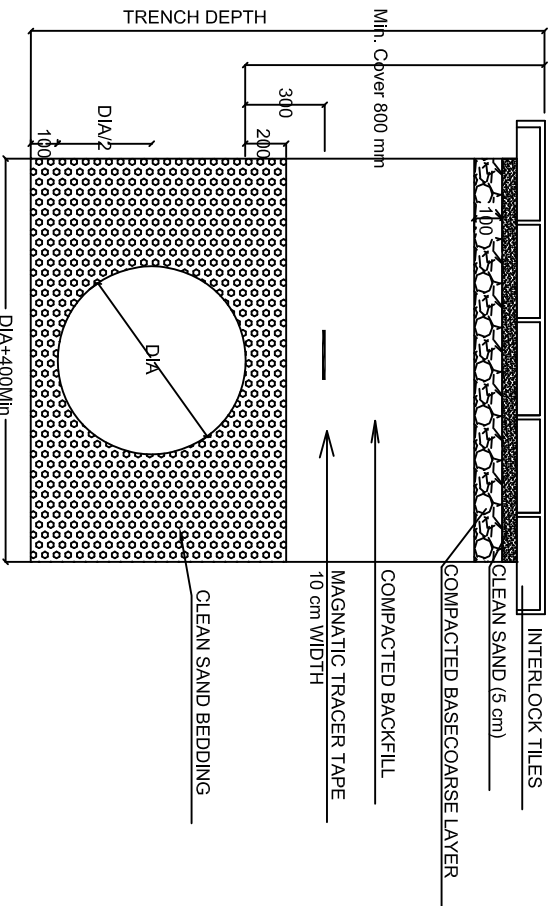
DETAIL OF PIPE LAYING IN CROSSING OPEN CHANNEL
(PIPE ENCASED)



TYPICAL PIPE TRENCH IN TRAFFIC ROADS



DETAIL FOR PROTECTIVE SLABS ABOVE PIPE
(PIPE ALONG TRAFFIC ROAD)



TYPICAL PIPE TRENCH IN SIDE WALK ROADS

NOTES:

4			
3			
2			
1			

No.	Description	Date	By
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Revisions			
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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:



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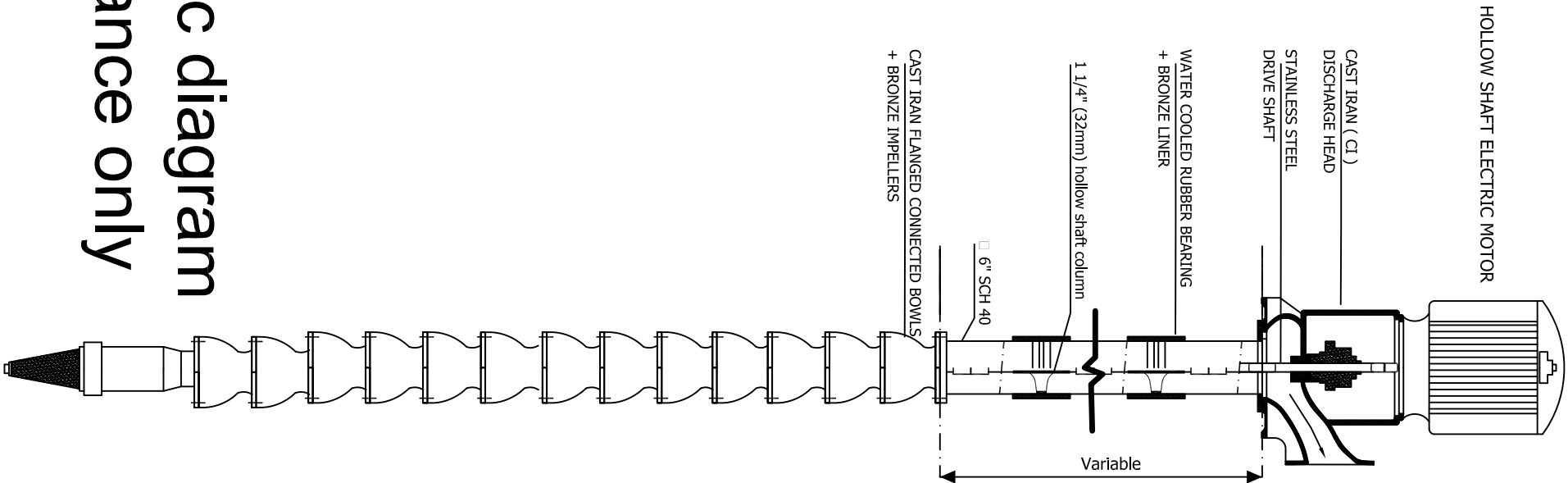
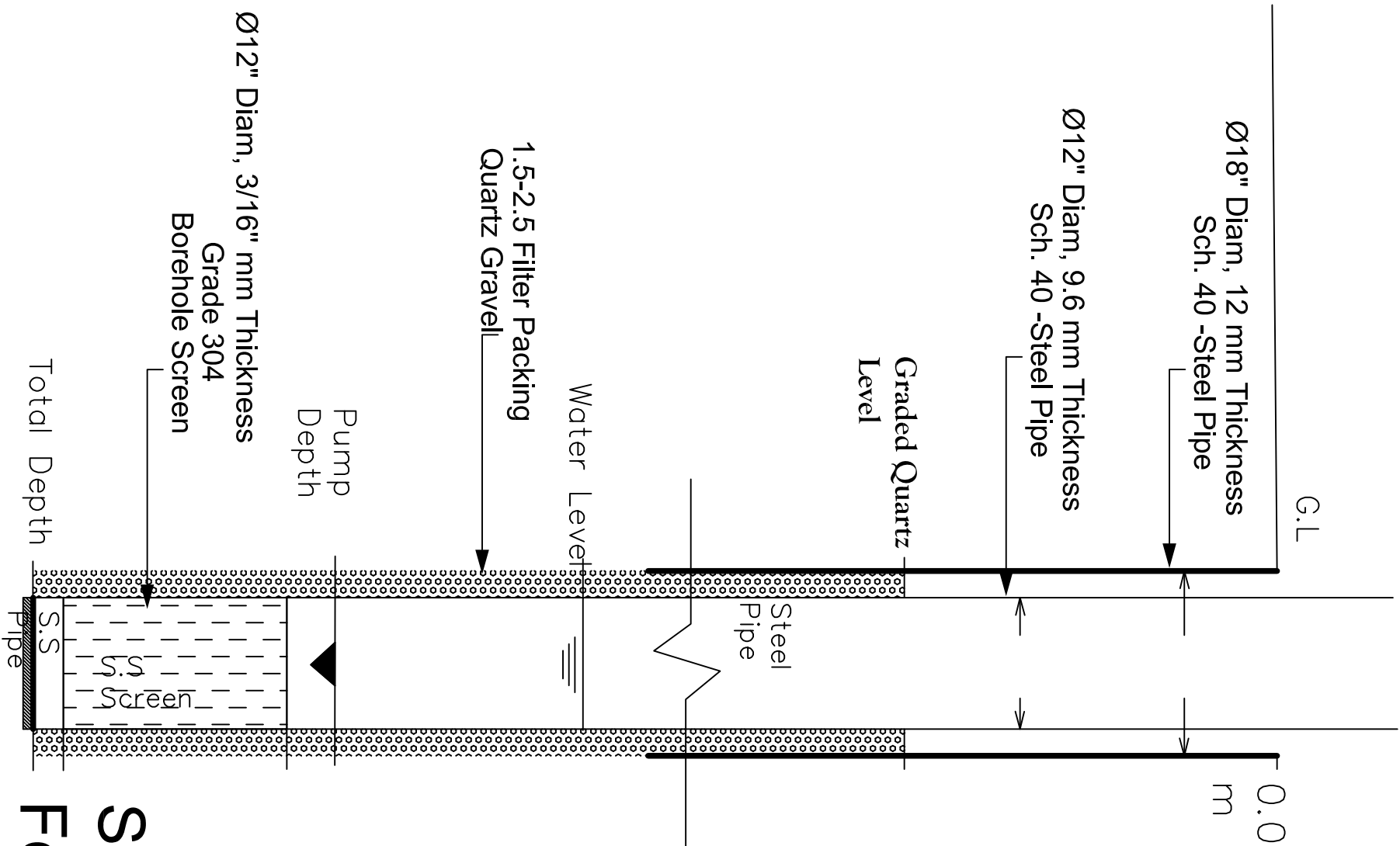
PROJECT-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Details

DATE	Drawing No.:	Rev. No.
	M 03	



- HC : Hydro Cyclon
CV : Check Valve
ARV : Air Release Valve
R : Reducer
FR : Flanged Reducer
FC : Flanged Coupling
FT : All Falanged Tee
G.V : Gate Valve
FS : Flanged Socket
BF : Blind Flange

NOTES:

4			
3			
2			
1			

No.	Description	Date	By
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Revisions

Designed	Drawn	Checked	Approved
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UNDP Team	UNDP Team	UNDP Team	UNDP Team
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Date	File Name	Scale
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DONATED BY:



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PROJECT:-

REHABILITATION AND CONSOLIDATION OF THE GAZA INDUSTRIAL ESTATE (IGIE)

DRAWING NAME:-

Schematic diagram For Guidance only

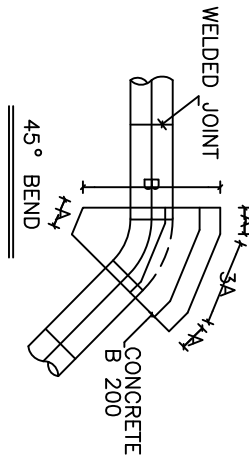
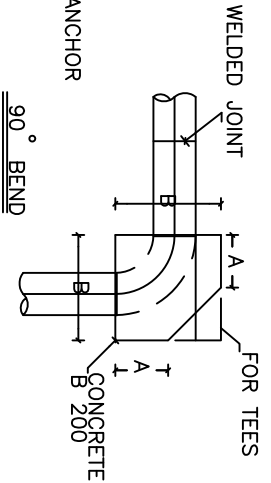
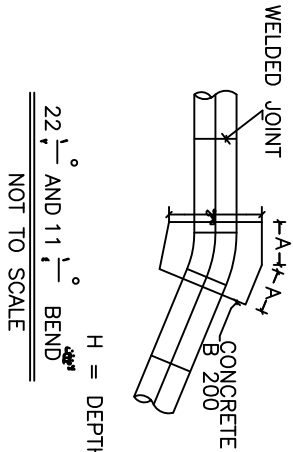
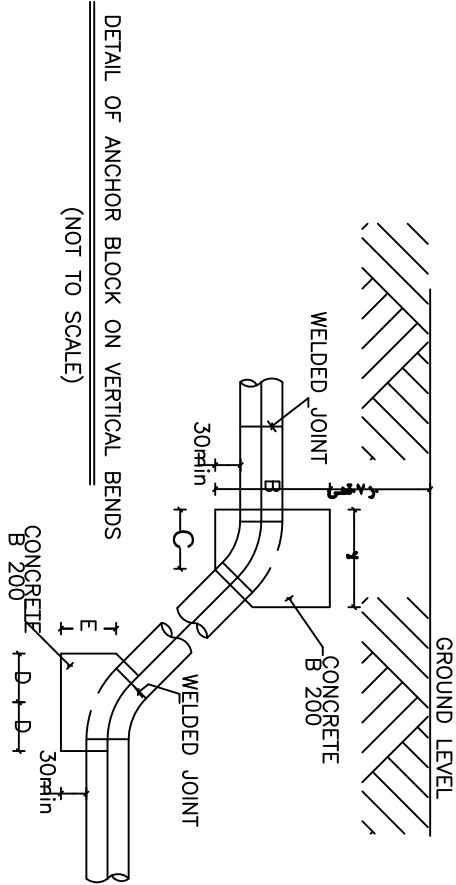
DATE

M 04

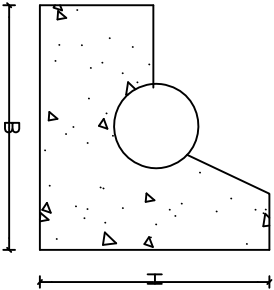
Drawing No.:

Rev. No.

NOTES:

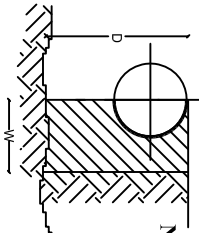


DETAILS OF ANCHOR BLOCK ON HORIZONTAL BENDS
(NOT TO SCALE)



DIAMETER OF PIPES (mm.)	HORIZONTAL BENDS						VERTICAL BENDS					
	90 BEND AND TEE			45 BEND			22 1/4 AND 1 1/4			45 BEND		
	A	B	H	A	B	H	A	B	H	B	C	D
350												
300	70	170	150	30	150	150	50	125	100	120	60	30
250												
200												
150												
100	40	95	100	20	100	80	30	80	60	80	30	15

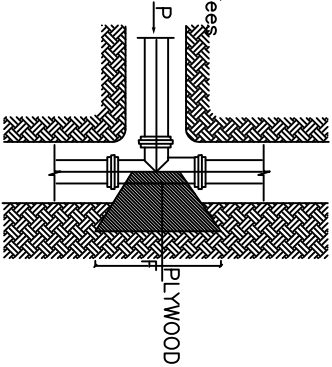
ANCHOR BLOCKS



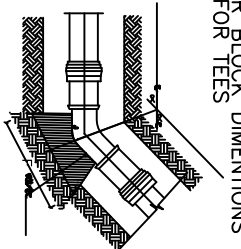
- NOTES
- ** END: Caps or Blank Flanges
 - ** TEE: All Sockets, Double Sockets and Flanged Tees
 - ** Dimensions in cm

FITTINGS

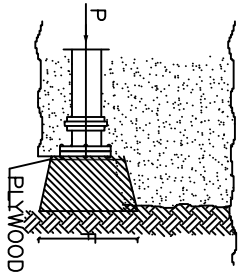
Dimention	225mm						160mm						110mm					
	B11 1/4	B22 1/2	B45	B80	T8"x8"	T8"x4"	END	B45	B80	T8"x8"	T8"x4"	END	B45	B80	T4"x4"	T4"x2"	END	END
Width (W)	25	35	35	35	40	45	45	25	35	35	35	35	20	30	30	25	30	
Area (F=LxW)	1500	2200	3500	6000	6000	6000	4200	2400	4400	4050	3200	2000	1500	3150	3750	2600	1600	
Length (L)	50	55	70	120	110	100	70	60	110	90	80	50	50	90	75	40	40	
Depth (D)	30	40	50	50	60	60	60	40	40	45	40	40	30	35	50	65	40	



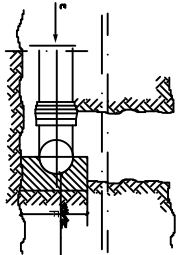
ANCHOR BLOCK DIMENTIONS FOR TEES



ANCHOR BLOCK DIMENTIONS FOR BEND



ANCHOR BLOCK DIMENTIONS FOR PIPE END



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

DRAWING NAME:-
ANCHOR BLOCKS

DATE	Drawing No.:	Rev. No.
	M 05	

European Union



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PIETZA