

A photograph of a forest floor with many white flowers in the foreground and tall trees in the background. A large green circle is centered over the image, containing the title text.

Fallujah

Returns Project

Detailed Drawings Package

18-11-2017



Table of Contents

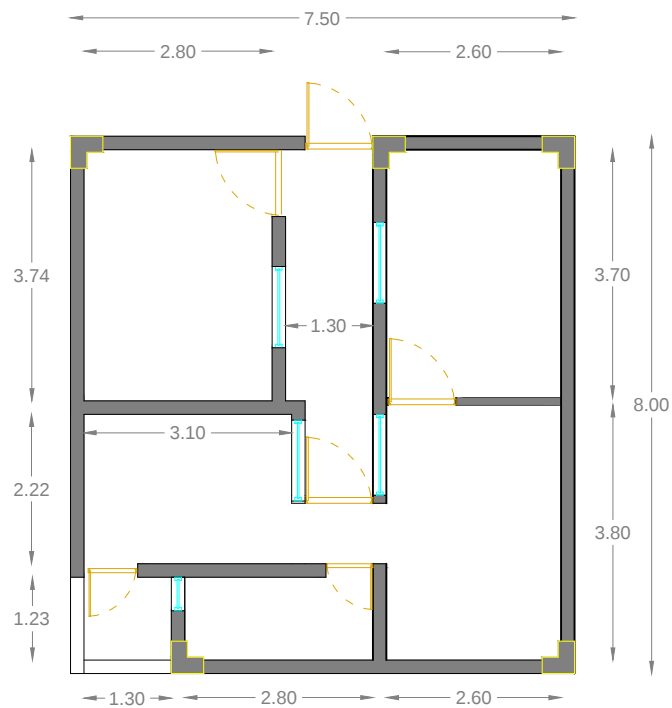
Fallujah - RETURNEES PROJECT		
Detailed Drawings Package		
#	Drawing Titles	Drawings Numbers
Unit Details Drawings		
1. Architectural Drawings		
1	Unit Plan	AR-PL-01
2	4 Units Plan	AR-PL-02
3	4 Units Sections	AR-SEC-01
4	Doors & Windows Details	AR-GD-01
2. Structural Drawings		
1	Structural Details	ST-PL-01
3. Sanitary Drawings		
1	Drainage Network	SA-PL-01
2	Water Supply Network	SA-PL-02
4. Electrical Drawings		
1	Lighting & Switch Light Plan	ELE-PL-01
2	Sockets Plan	ELE-PL-02
Site Plan Drawings Package		
1. Architectural Drawings		
1	Site Plan	AR-PL-03
2. Sanitary Drawings		
1	Drainage Network	SA-PL-03
2	Water Supply Network	SA-PL-04
3. Electrical Drawings		
1	Site plan - Elec. network & Road Lighting	ELE-PL-03
2	Elec. Schematic Diagram	ELE-GD-01
3	Elec. Panels Details	ELE-GD-02
4	Installations Details	ELE-GD-03

Unit Details Drawings

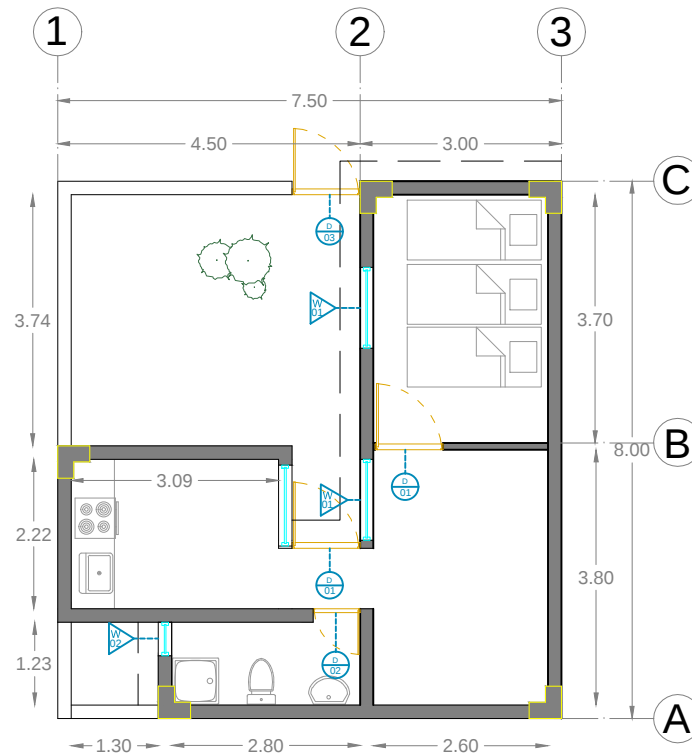


● **Architectural Drawings**





Future Extension of Total Area 51.10m2



Core House of Total Area 38.57m2

Legend:

Total Area : 38.57 m2

Project:

Fallujah
Returnees Project

Drawing :
Unit Plan

Level:

Scale:
1/60

SN:
AR-PL-01

Format:
A4

rev.	Description	Date
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

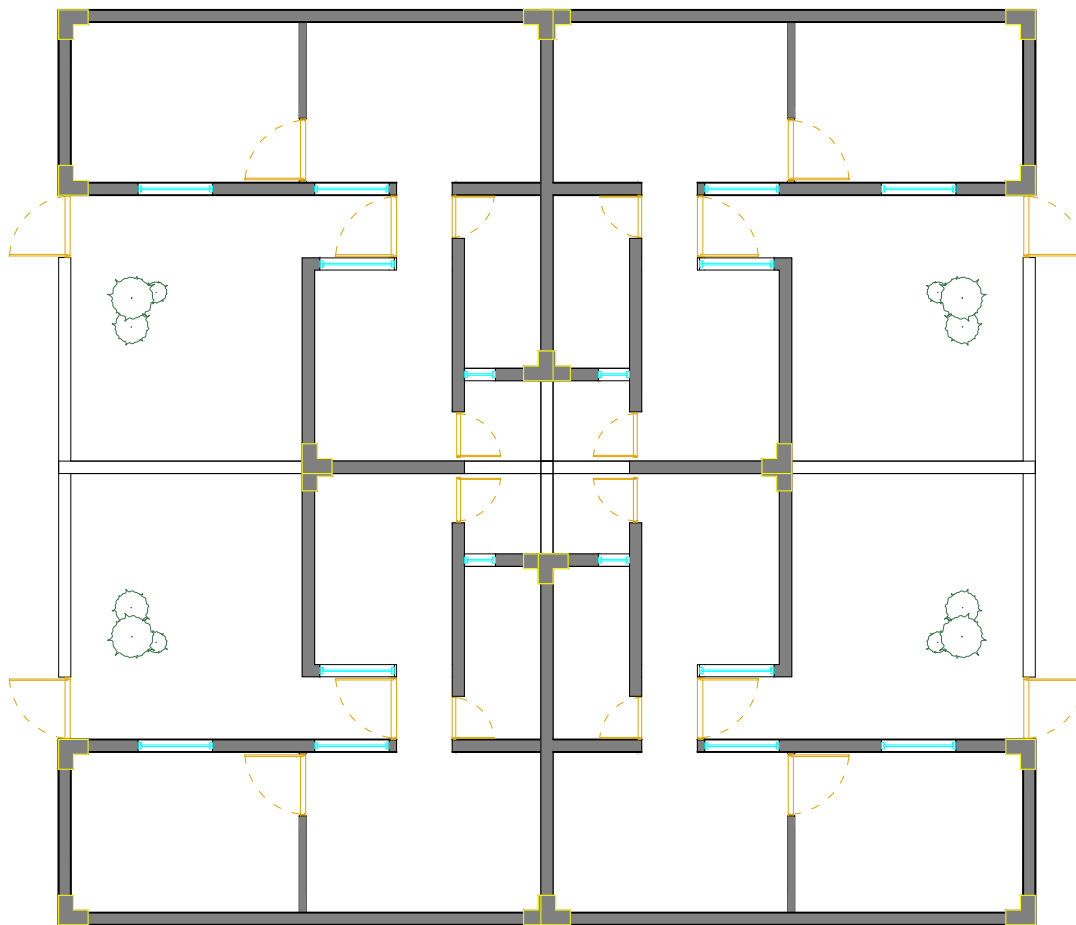
Arch: M.Abudib

Approved by:
R.Almasri

Client:

UN HABITAT





Legend:

Project:

Fallujah
Returnees Project

Drawing :

4 Units Plan

Level:

Scale:
1/100

SN:
AR-PL-02

Format:
A4

rev.	Description	Date
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

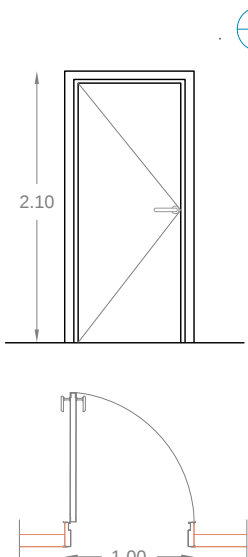
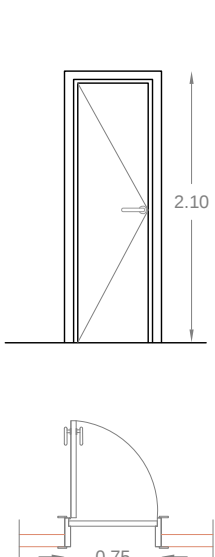
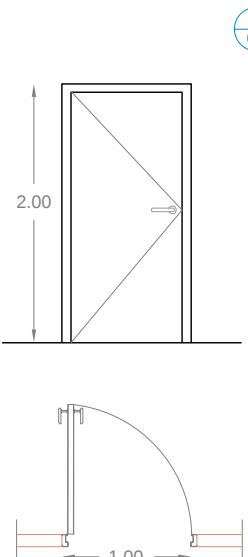
Arch: M.Abudib

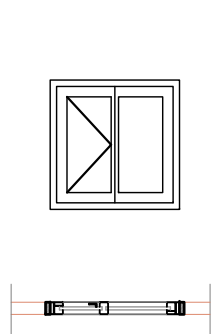
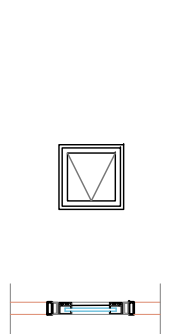
Approved by:
R.Almasri

Client:

UN HABITAT



					
TYPE	D01 (HINGED)	TYPE	D02(HINGED)	TYPE	D03(HINGED)
SIZE	100 X 210 cm	SIZE	75 X 210 cm	SIZE	100 X 2 cm
MATERIAL	P.V.C	MATERIAL	P.V.C	MATERIAL	Steel
GLAZING	---	GLAZING	---	GLAZING	---
QUANTITY	2	QUANTITY	2	QUANTITY	1

			
TYPE	W01 (HINGED)	TYPE	W02 (HINGED)
SIZE	100 X 100 cm	SIZE	50 X 50 cm
FRAME	Glazed Window	FRAME	Glazed Window (FIXED)
GLAZING	---	GLAZING	---
QUANTITY	2	QUANTITY	1

Legend:

Project:

Fallujah
Returnees Project

Drawing :
Doors & Windows Detail

Level:

Scale:
1/100

SN:
AR-GD-01

Format:
A4

rev.	Description	Date
E	Detailed Drawings	18-11-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

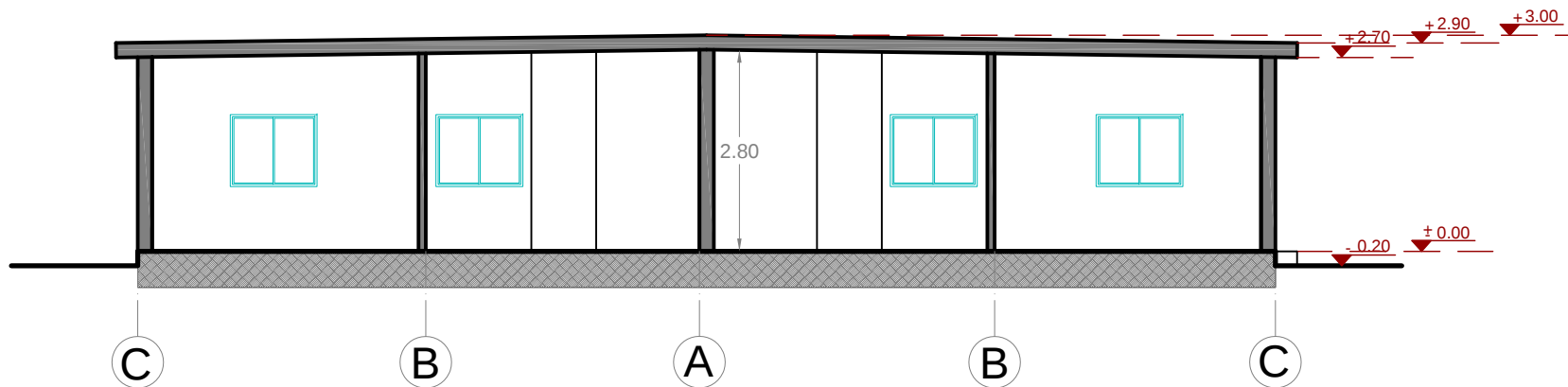
Arch: M.Abudib

Approved by:
R.Almasri

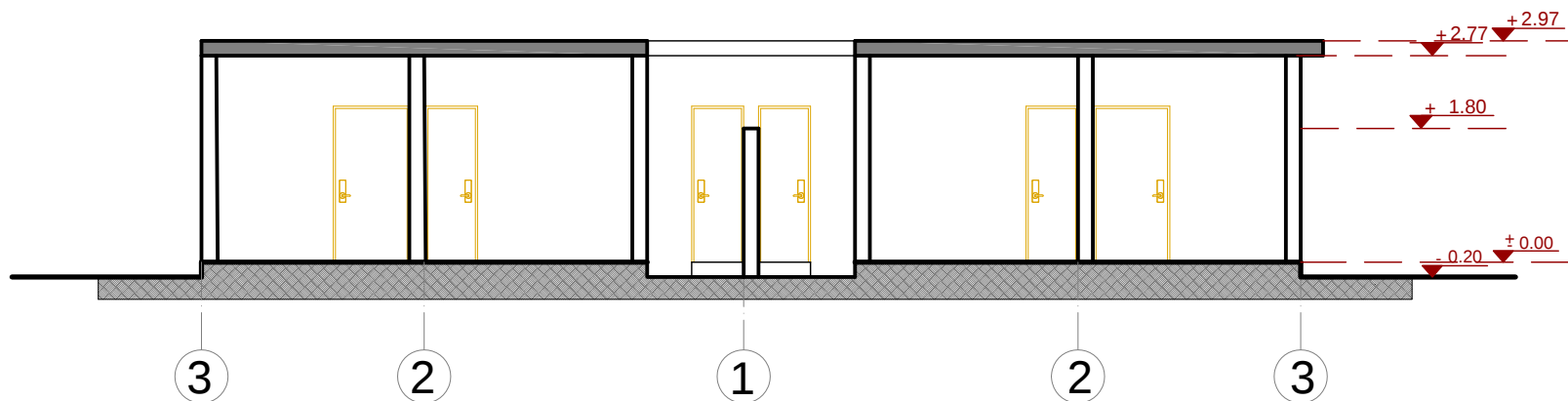
Client:
UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE





Sec Section AA
Scale : 1/100



Sec Section BB
Scale : 1/100

Legend:

Project:
Fallujah
Returnees Project

Drawing :
4 Units Sections

Level:

Scale:
1/100

SN:
AR-SEC-01

Format:
A4

rev.	Description	Date
E	Detailed Drawings	18-11-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

Arch: M.Abudib

Approved by:
R.Almasri

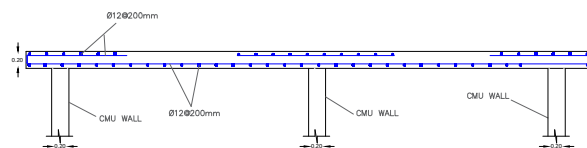
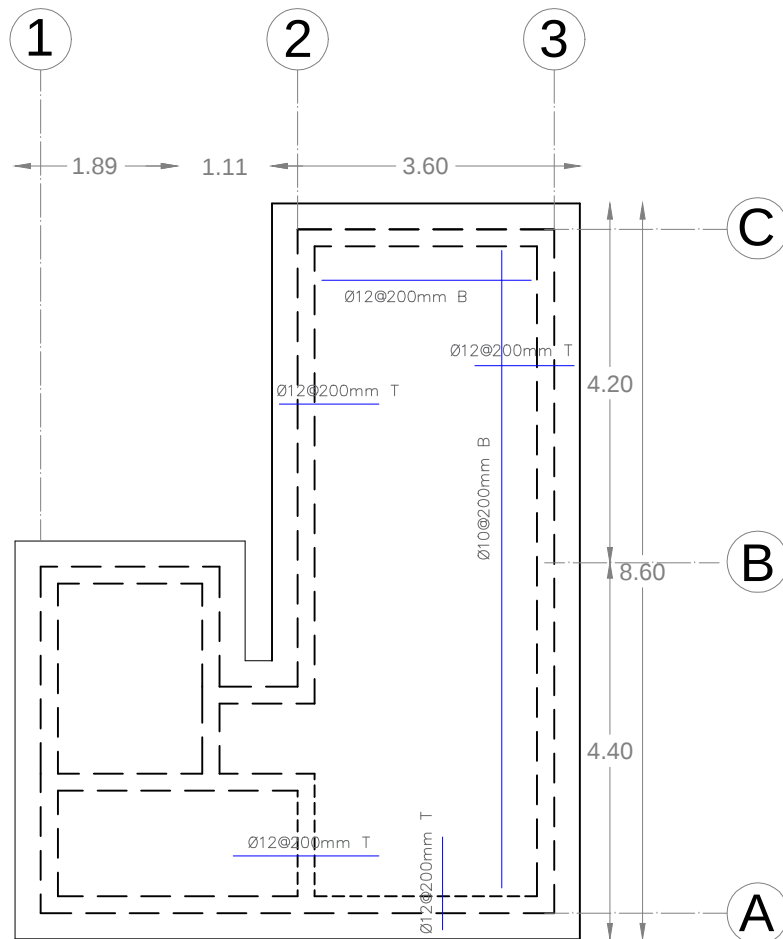
Client:
UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE

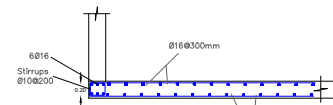
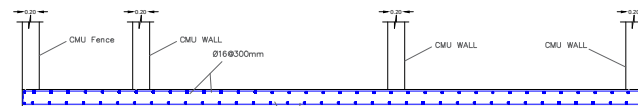
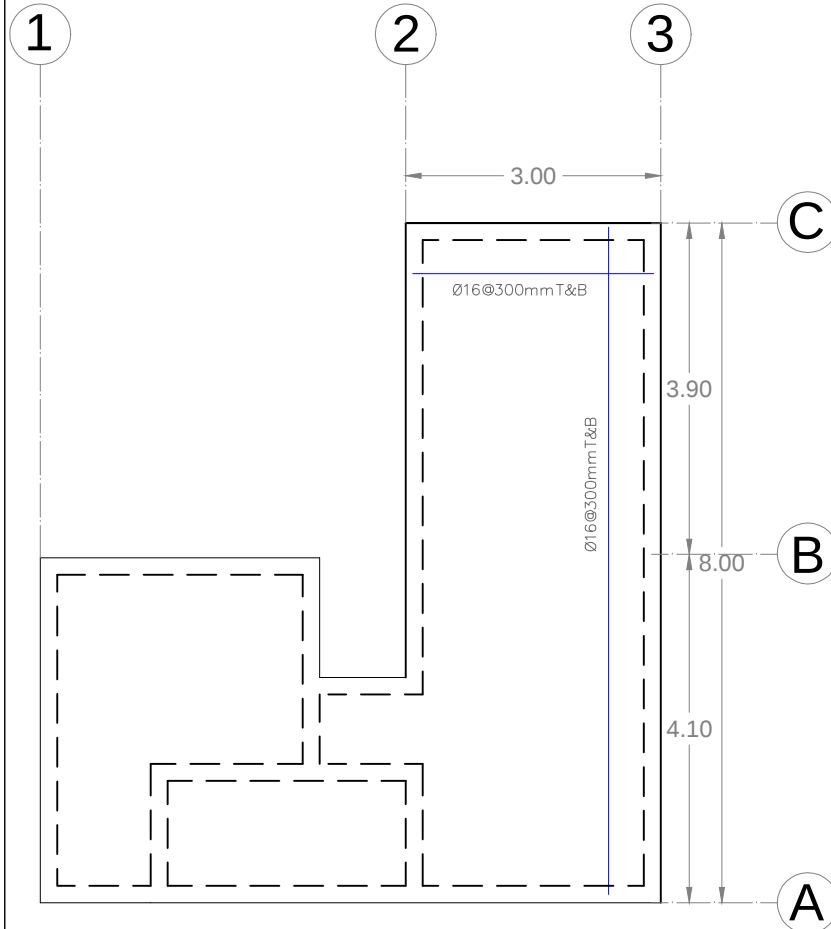


● **Structural Drawings**





Roof Slab 150mm Thickness



Raft Foundation 200mm Thickness

Legend:

Project:
Fallujah Returnees Low
costCompound

Drawing :
Structural Details

Level:

Scale: SN:
AR-PL-03

Format:
A3

rev.	Description	Date

Arch: M.Abudib

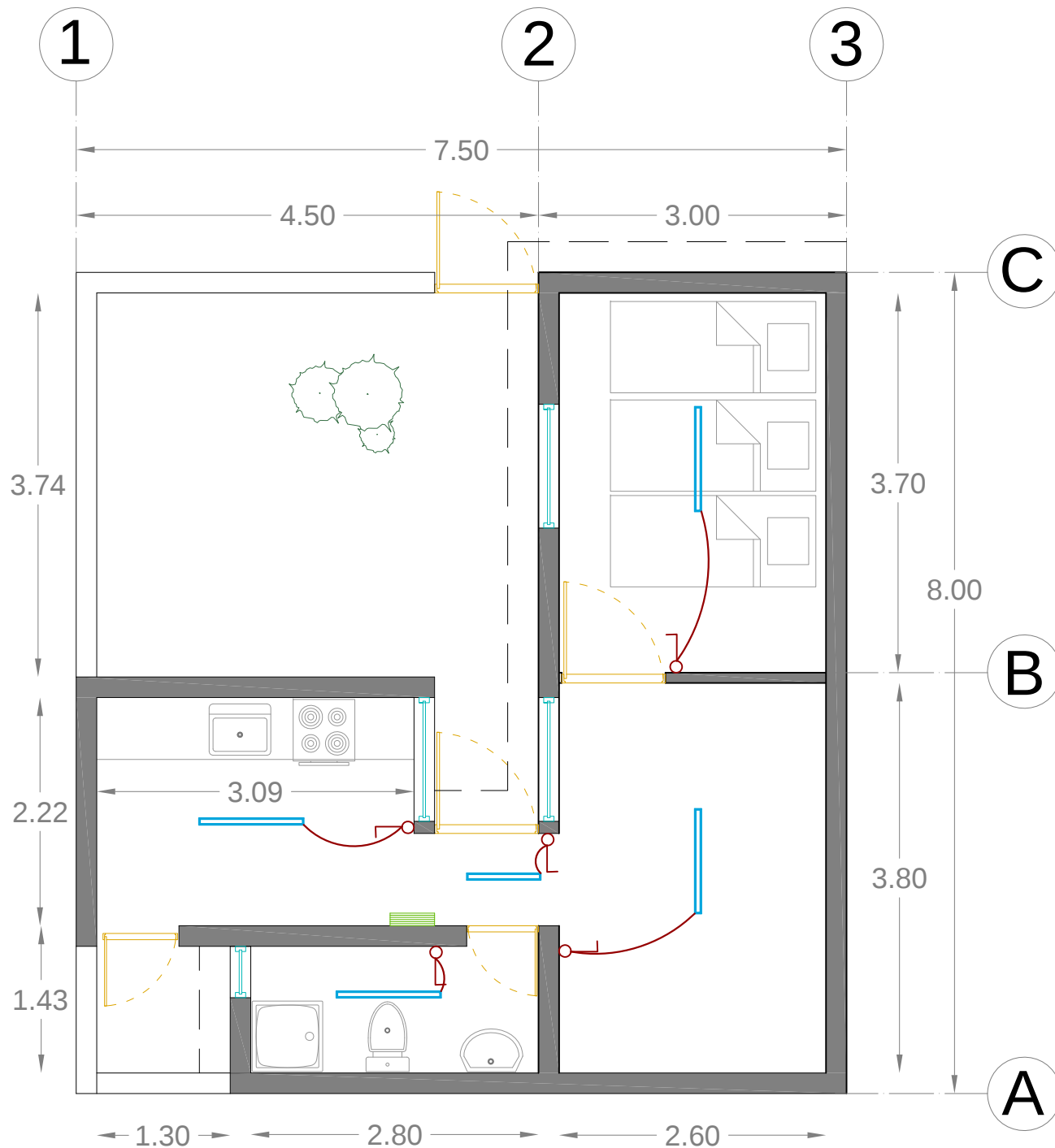
Approved by:
R.Almasri

Client:
UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE

Electrical Drawings







Legend:		
No	Symbols	Descriptions
04		Socket
01		Electrical Board

Project:
Fallujah
 Returnees Project

Drawing :
 Sockets Plan

Level:

Scale:	SN:
1/60	ELE-PL-02
Format:	
A4	

rev.	Description	Date
E	Detailed Drawings	18-11-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

Arch: M.Abudib

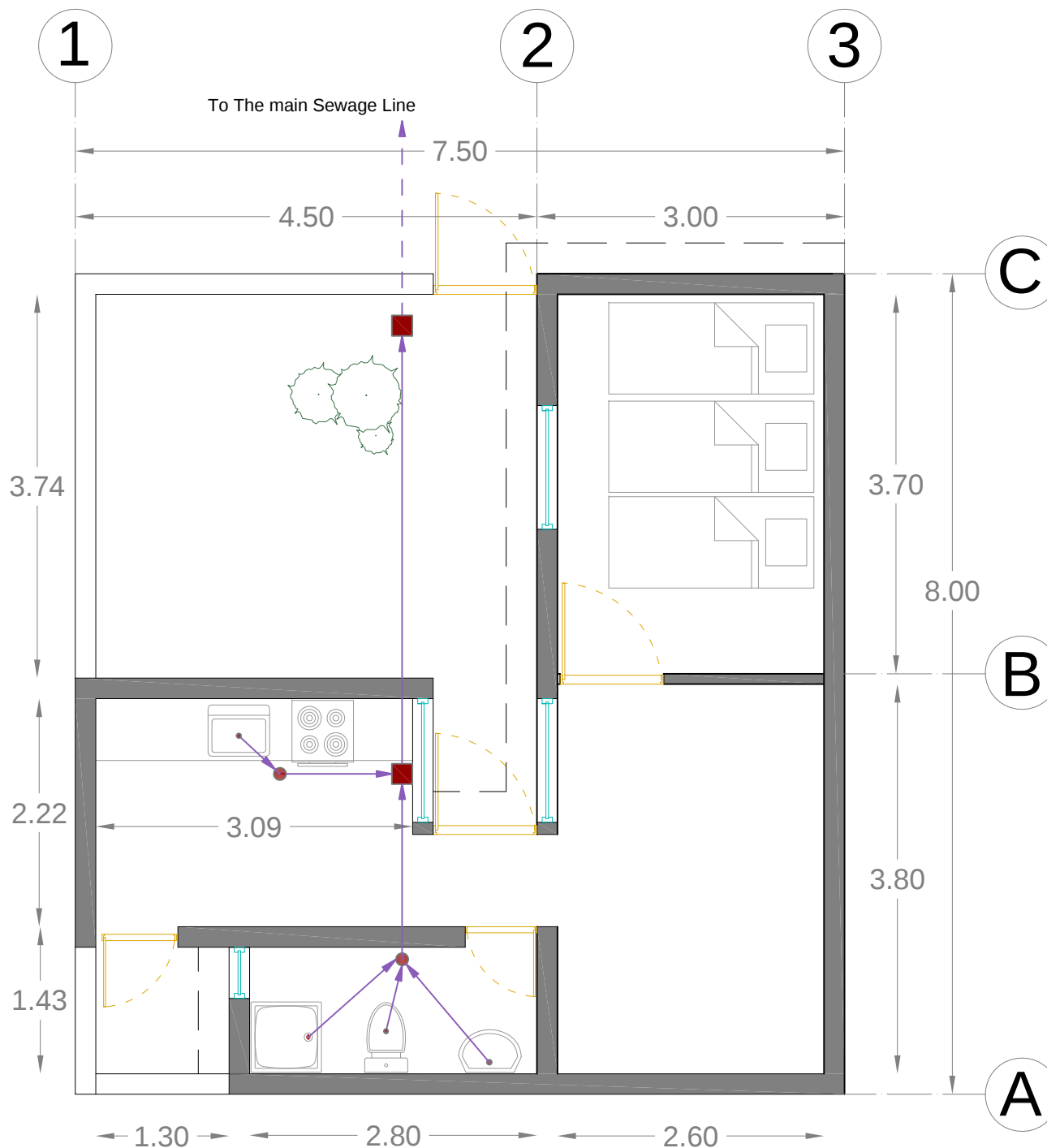
Approved by:
 R.Almasri

Client:
 UN HABITAT

UN HABITAT
 FOR A BETTER URBAN FUTURE

Sanitary Drawings





Legend:

No	Symbols	Descriptions
02	●	Drains
02	■	Main Drain

Project:

Fallujah
Returnees Project

Drawing :

Unit Plan - Drainage Network

Level:

Scale:

1/60

SN:

SA-PL-01

Format:

A4

rev.	Description	Date
E	Detailed Drawings	18-11-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

Arch: M.Abudib

Approved by:

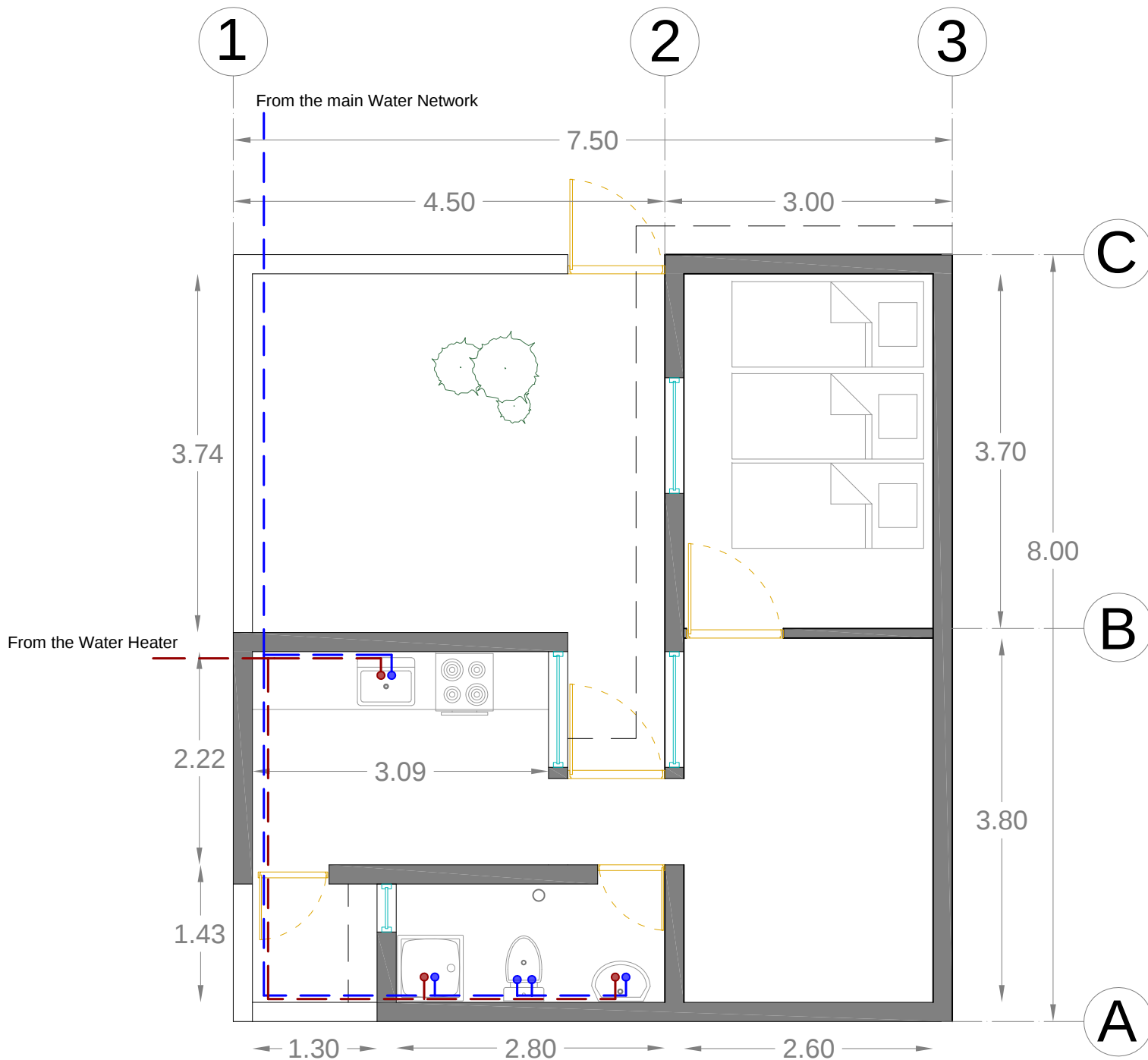
R.Almasri

Client:

UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE





Legend:

No	Symbols	Descriptions
05	—	Cold Water net
03	—	Hot Water net

Project:

Fallujah
Returnees Project

Drawing :

Unit Plan -Water Supply
Network

Level:

Scale:
1/60

SN:
SA-PL-02

Format:
A4

rev.	Description	Date
E	Detailed Drawings	18-11-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

Arch: M.Abudib

Approved by:
R.Almasri

Client:

UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE



Site Plan Drawings



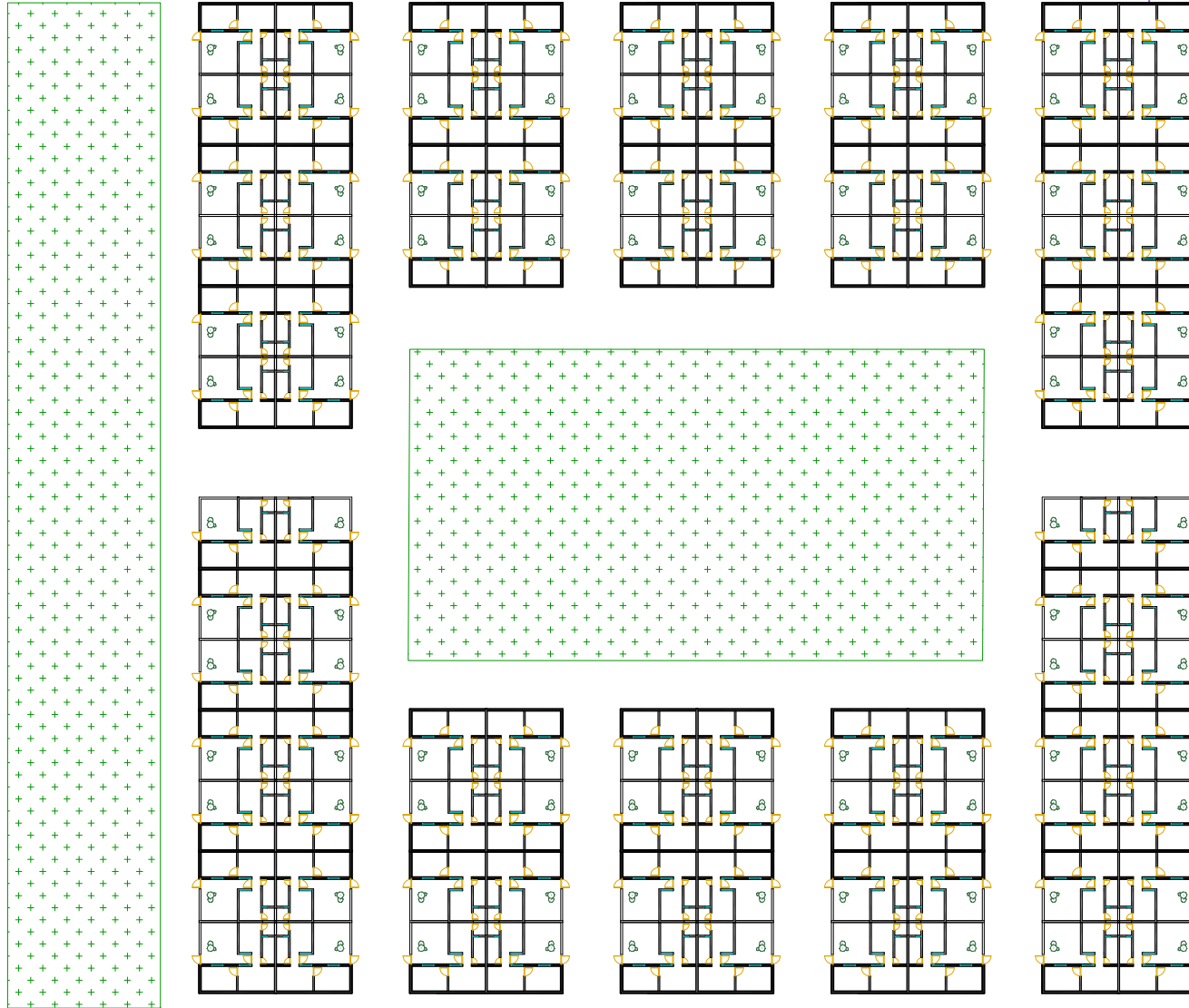
● **Architectural Drawings**



170.50

24.80

110.00



Legend:

Project:

Fallujah
Returnees Project

Drawing :
Site Plan

Level:

Scale:
1/700

SN:
AR-PL-03

Format:
A4

rev.	Description	Date
F	Detailed Drawings	18-11-2017
E	Detailed Drawings	24-10-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

Arch: M.Abudib

Approved by:
R.Almasri

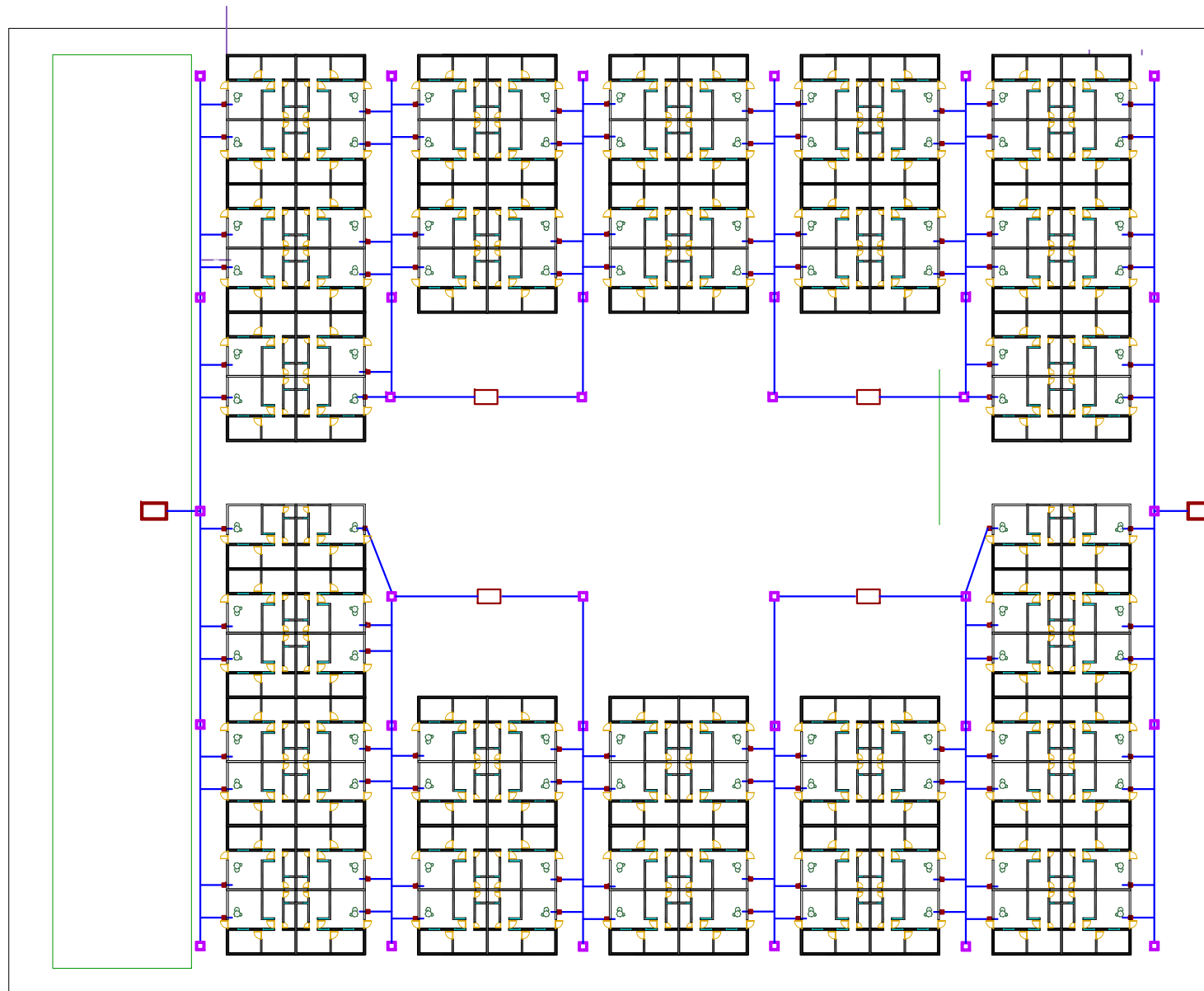
Client:
UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE



Sanitary Drawings





Legend:		
Qty	Symbol	Descriptions
6 units		Septic Tank 5x3x2
34 units		Manhole 100x100 c
100units		Manhole 30x30 cm
1,000ml		Double wall corrugated PE pij 160 mm Ø

Project:
Fallujah
 Returnees Project

Drawing :
 Site Plan - Drainage Networ

Level:

Scale:
 1/700

Format:
 A4

rev.	Description	Date
F	Detailed Drawings	18-11-2017
E	Detailed Drawings	24-10-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017

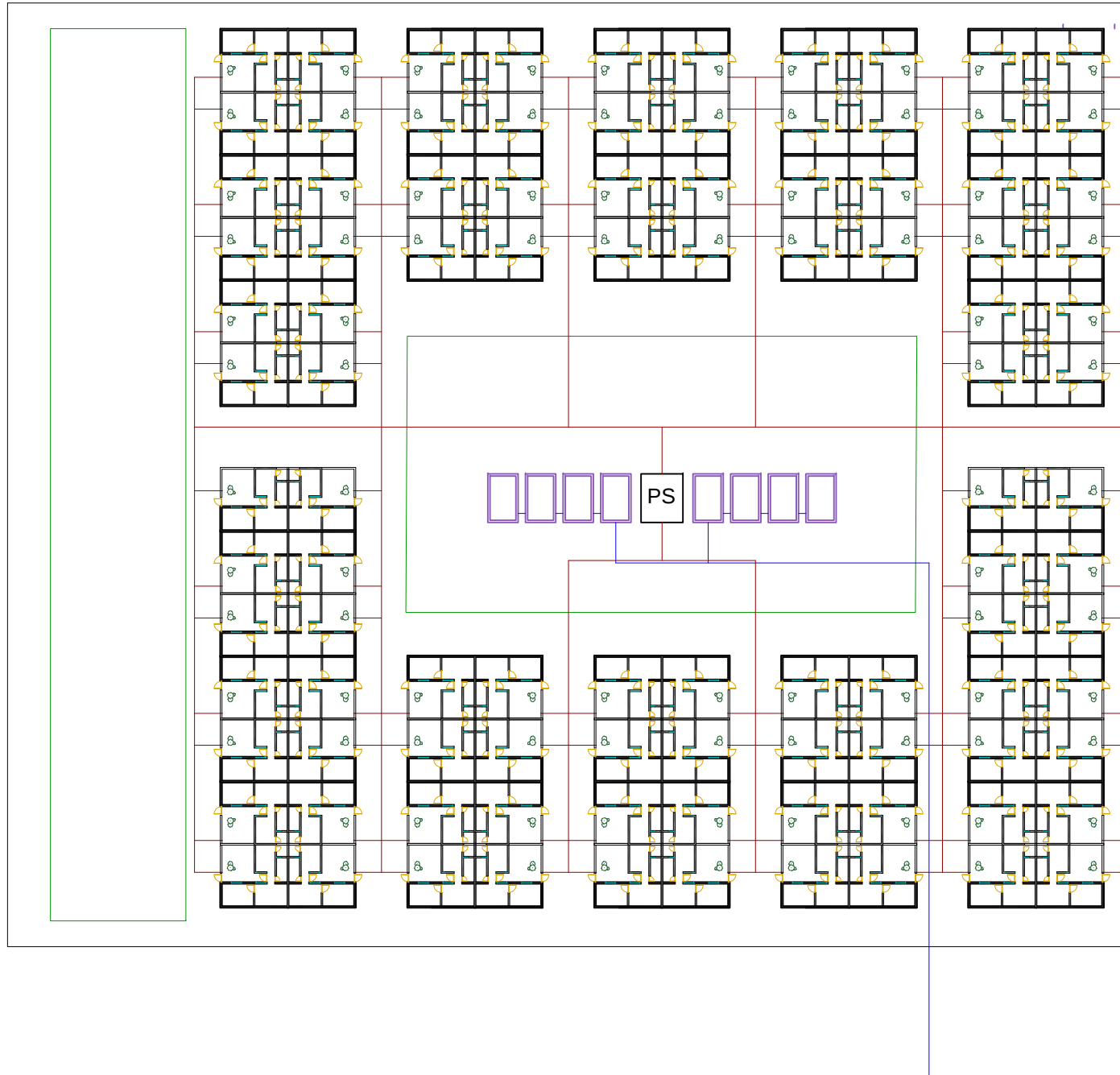
Arch: M.Abudib

Approved by:
 R.Almasri

Client:
 UN HABITAT

UN HABITAT
 FOR A BETTER URBAN FUTURE





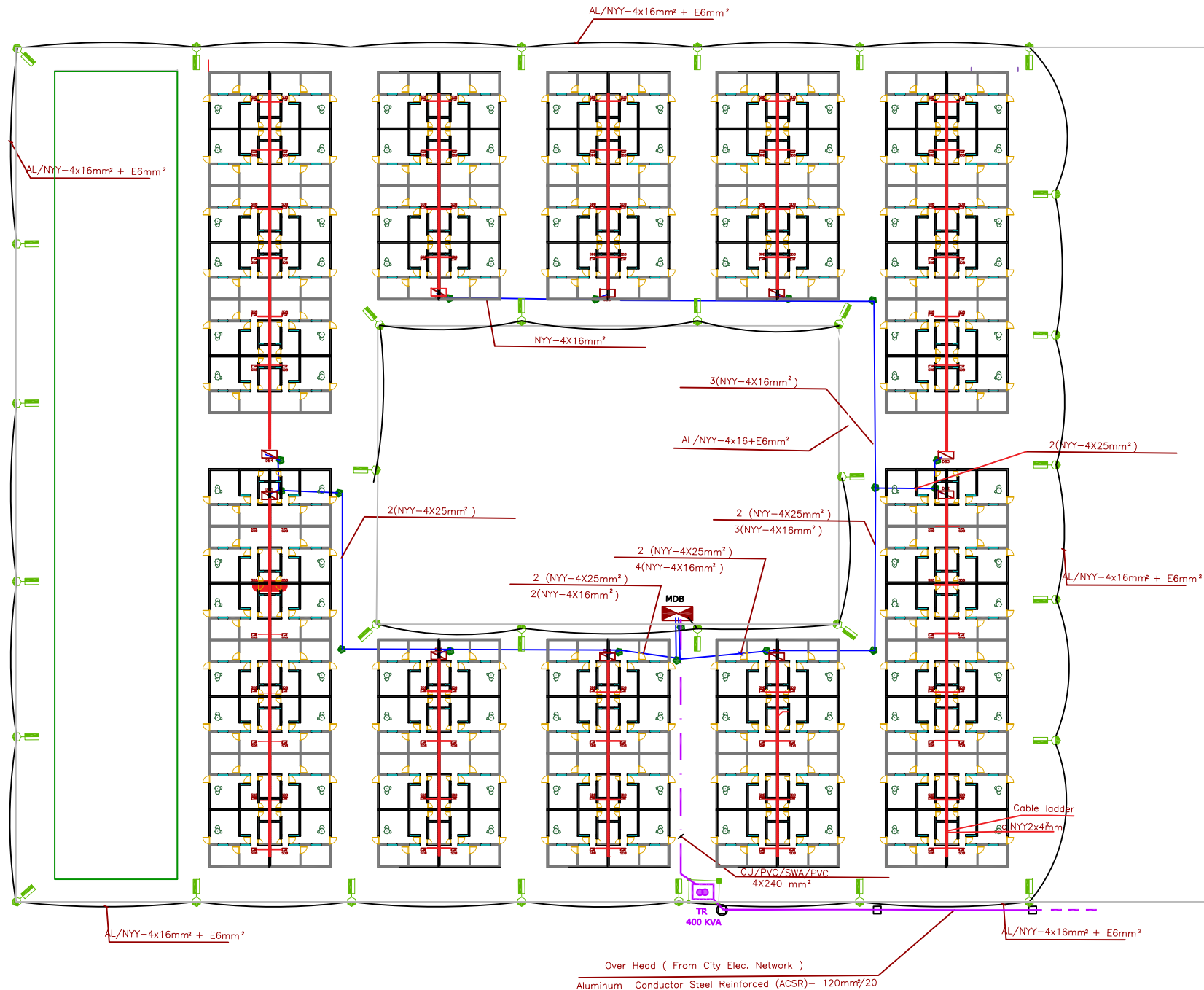
Water Source

Legend:		
Qty	Symbols	Descriptions
1350 ml		Polyethylene pip 6" Ø
1,250 ml		Polyethylene pip 2.5" Ø
8 unit		5,000 LT water ta
2 Units		Pumping station

Project:		
Fallujah		
Returnees Project		
Drawing : Site Plan - Water Supply Network		
Level:		
Scale: 1/700	SN: SA-PL-04	
Format: A4		
rev.	Description	Date
F	Detailed Drawings	18-11-2017
E	Detailed Drawings	24-10-2017
D	Detailed Drawings	18-10-2017
C	Detailed Drawings	08-10-2017
B	Concept Design	21-09-2017
A	Detailed Drawings	22-07-2017
Arch: M.Abudib		
Approved by: R.Almasri		
Client: UN HABITAT		
 FOR A BETTER URBAN FUTURE		

Electrical Drawings





Legend:

Qty	Symbols	Descriptions
1		150-400 Vdc Trans. Conty - 400VVA Transf with MV Bus alignment with LV Cables eqpt
1		MDB - Main distribution board
6		DB - Distribution board
2		12 KVA 21 KVA 1 KVA
31		Street lighting 7m columns with One lamp accor to the EL-03-B Drawing
4000m		Cable Type Cui NYY - Sec. 2x10mm²
400m		Cable Type NYY - Sec. 4x25 mm²
1500m		Cable Type NYY - Sec. 4x16 mm²
220m		Cable ladder sec- 10x10 cm
170m		Cable ladder sec- 5x5 cm
100m		Cable Type 3xNYY V- Sec. 4X10mm² + 10mm²
50m		Cable Type CU/PVC-SWA/PVC Sec. 4X240mm²
50m		From Transformer To MDBs Sec. 120mm²/20
2400 m		Aluminum Conductor Steel Reinforced (ACSR) Sec. 120mm²/20
10		Metalizer 6m Columns For Installation Cables Feeding DBs From MDBs to load Weight 200 according to the EL-03-B Drawing
21		Metalizer 11m Columns For Installation Cables Feeding DBs From City Elec. Network
1		2-point Earthing System
1		Metalizer 11m Columns For Installation Cables Feeding DBs From City Elec. Network (with Steel bracket channel) (clamp 01 pole)

Project:

**Fallujah
Returnees Project**

Drawing :

**Site plan - Elec. network
& Road Lighting**

Level:

Scale:
1/700

SN:
ELE-PL-03

Format:
A4

rev.	Description	Date
D	Detailed Drawings	18-11-2017
C	Detailed Drawings	25-10-2017
B	Detailed Drawings	19-10-2017
A	Detailed Drawings	12-10-2017

Arch: M.Abudib

Approved by:

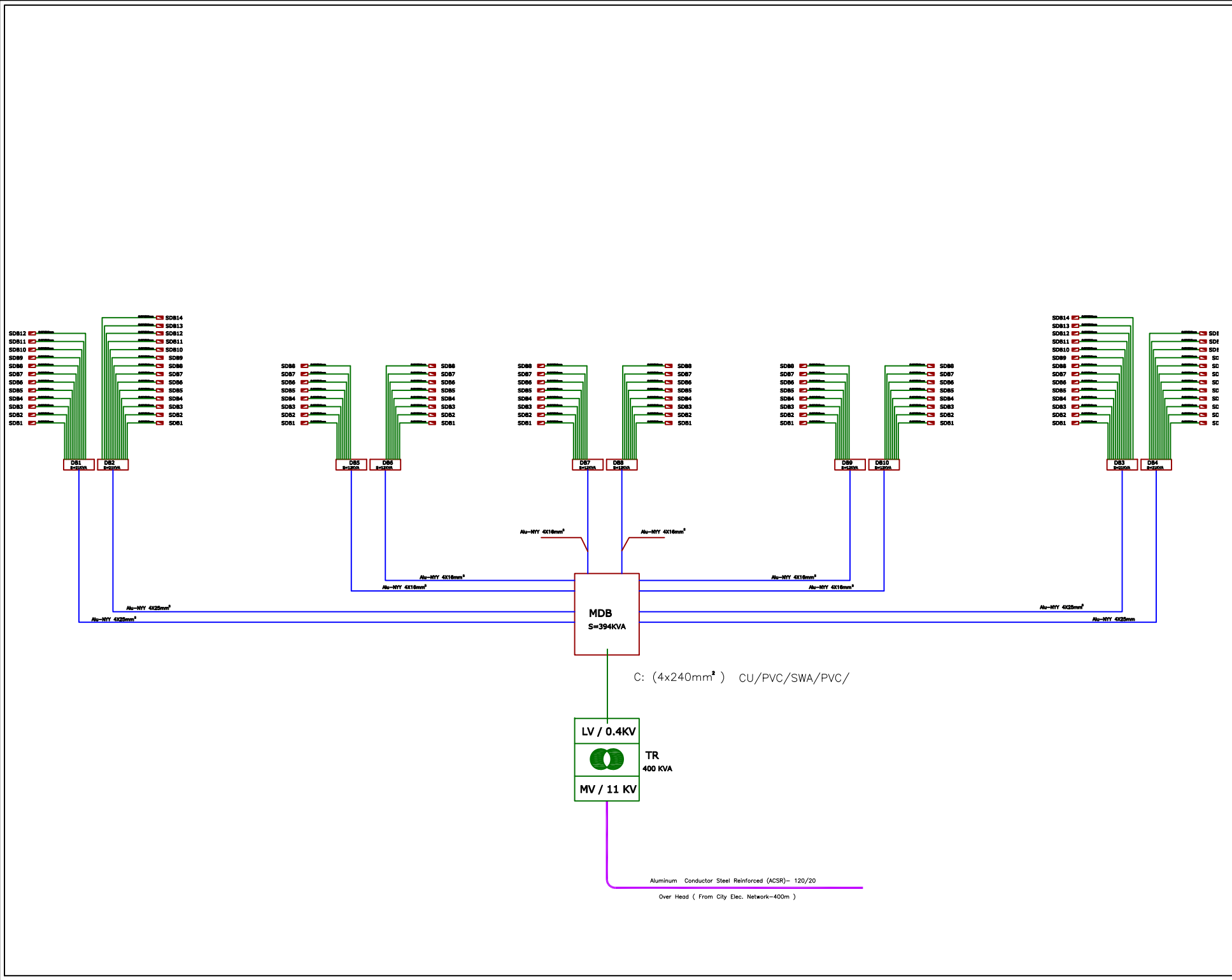
R.Almasri

Client:

UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE





Legend:

Project:
Fallujah
Returnees Project

Drawing :
Elec. Schematic Diagram

Level:

Scale: None	SN: ELE-GD-01
Format: A4	

rev.	Description	Date
D	Detailed Drawings	18-11-2017
C	Detailed Drawings	25-10-2017
B	Detailed Drawings	19-10-2017
A	Detailed Drawings	12-10-2017

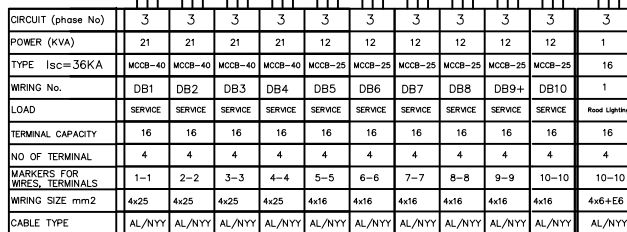
Arch: M.Abudib

Approved by:
R.Almasri

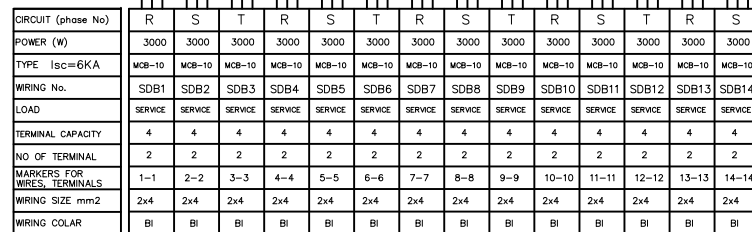
Client:
UN HABITAT


FOR A BETTER URBAN FUTURE





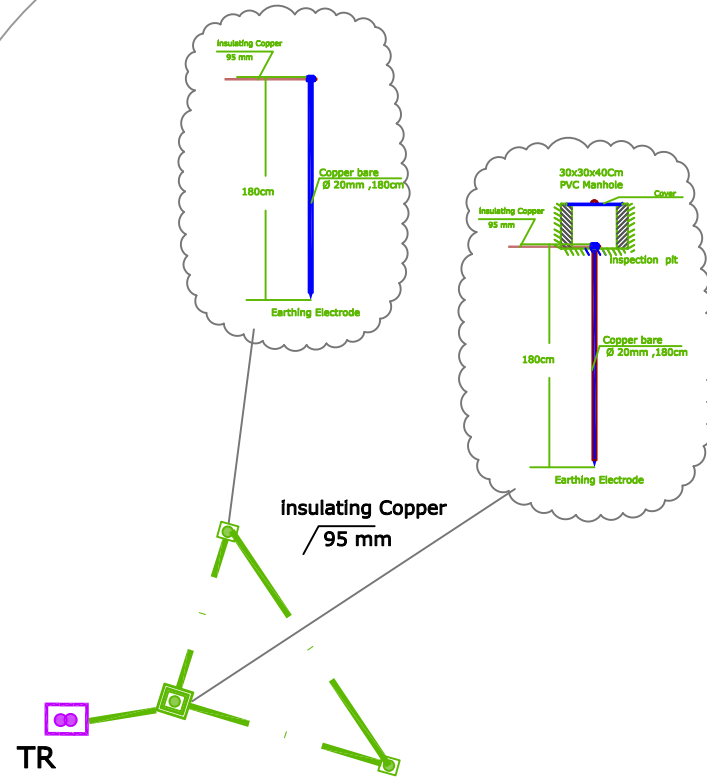
MDB PANEL



DB1 (TYPICAL FOR DBs PANELS)



Earthing System

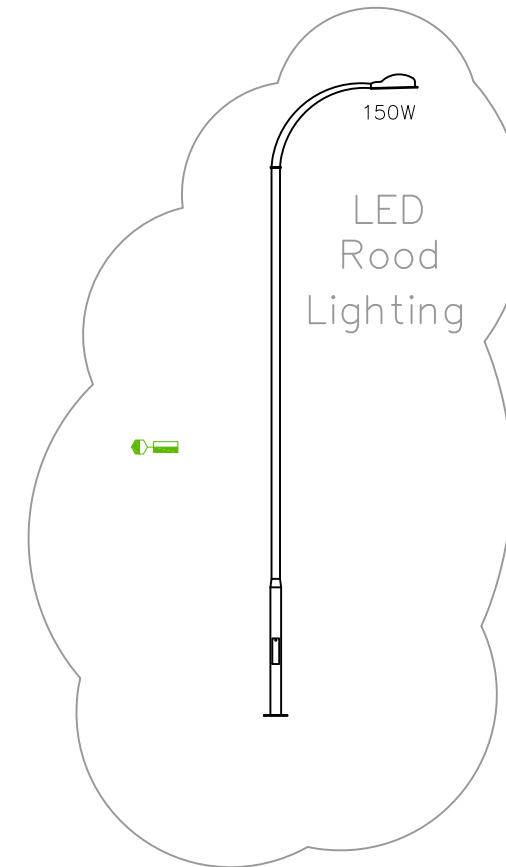


Earthing System

Metallic Columns

$h=7m$

150W
LED
Road
Lighting



Street lighting System

Legend:

Project:

Fallujah
Returnees Project

Drawing :
Installations Details

Level:

Scale:
None

SN:
ELE-GD-03

Format:
A4

rev.	Description	Date
D	Detailed Drawings	18-11-2017
C	Detailed Drawings	25-10-2017
B	Detailed Drawings	19-10-2017
A	Detailed Drawings	12-10-2017

Arch: M.Abudib

Approved by:
R.Almasri

Client:
UN HABITAT

UN HABITAT
FOR A BETTER URBAN FUTURE



