

EXISTING GENERAL PLAN LAYOUT



EXISTING TOILETS



UNITED NATIONS OFFICE  
OF PROJECTS SERVICES

#### Notes

- .widows dim is 1m \* 1.2m
- .Doors dim is 1m \* 2.2m
- .height for internal room is 3.18 m up to old ceiling
- .Total height 4.5m ,Veranda height 3.2m



#### Project

UPGRADING and REHABILITATION the  
EXISTING HEALTH FACILITIES and BASIC  
SERVICES CENTERS in DARFUR STATES

#### Client

UNITED NATIONS OFFICE for PROJECT  
SERVICES

#### Sheet Title

EXISTING GENERAL PLAN

#### Designed By:

Eng .MOHAMED ESAM  
Eng .KHALID ABDALLAH

#### Drawing By

ENG .MOHAMED ESAM

#### Check By :

.....

#### Location

BEIGA BRIMARY HEALTH CARE CENTER  
WADI SALIH LOCALITY ,CENTRAL DARFUR

DATE —  
APRIL 2017

DRAWING NO  
CD .BH01

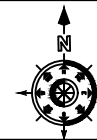
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Sheet #

BEG - 01

### Notes

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DEMOLITION PLAN

### Designed By:

Eng .MOHAMED ESAM  
Eng .KHALID ABDALLAH

### Drawing By

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### Location

BEIGA BRIMARY HEALTH CARE CENTER  
WADI SALIH LOCALITY ,CENTRAL DARFUR

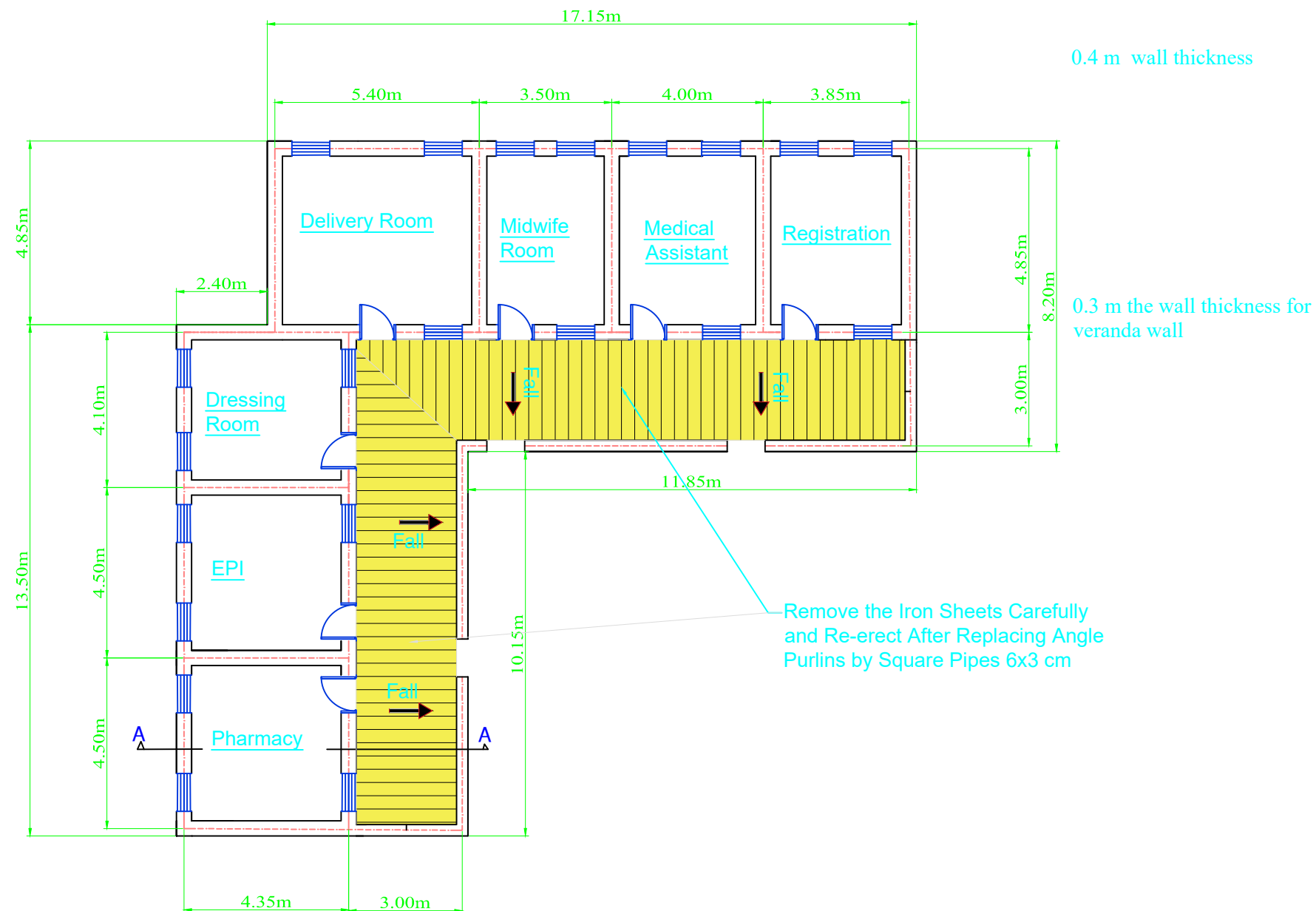
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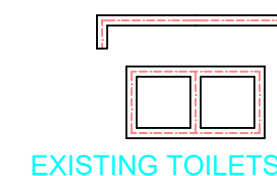
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BEG - 03



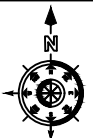
# DEMOLITION PLAN



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Eng .KHALID ABDALLAH

### Drawing By

ENG .MOHAMED ESAM

### Check By :

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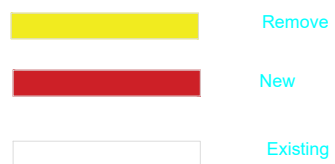
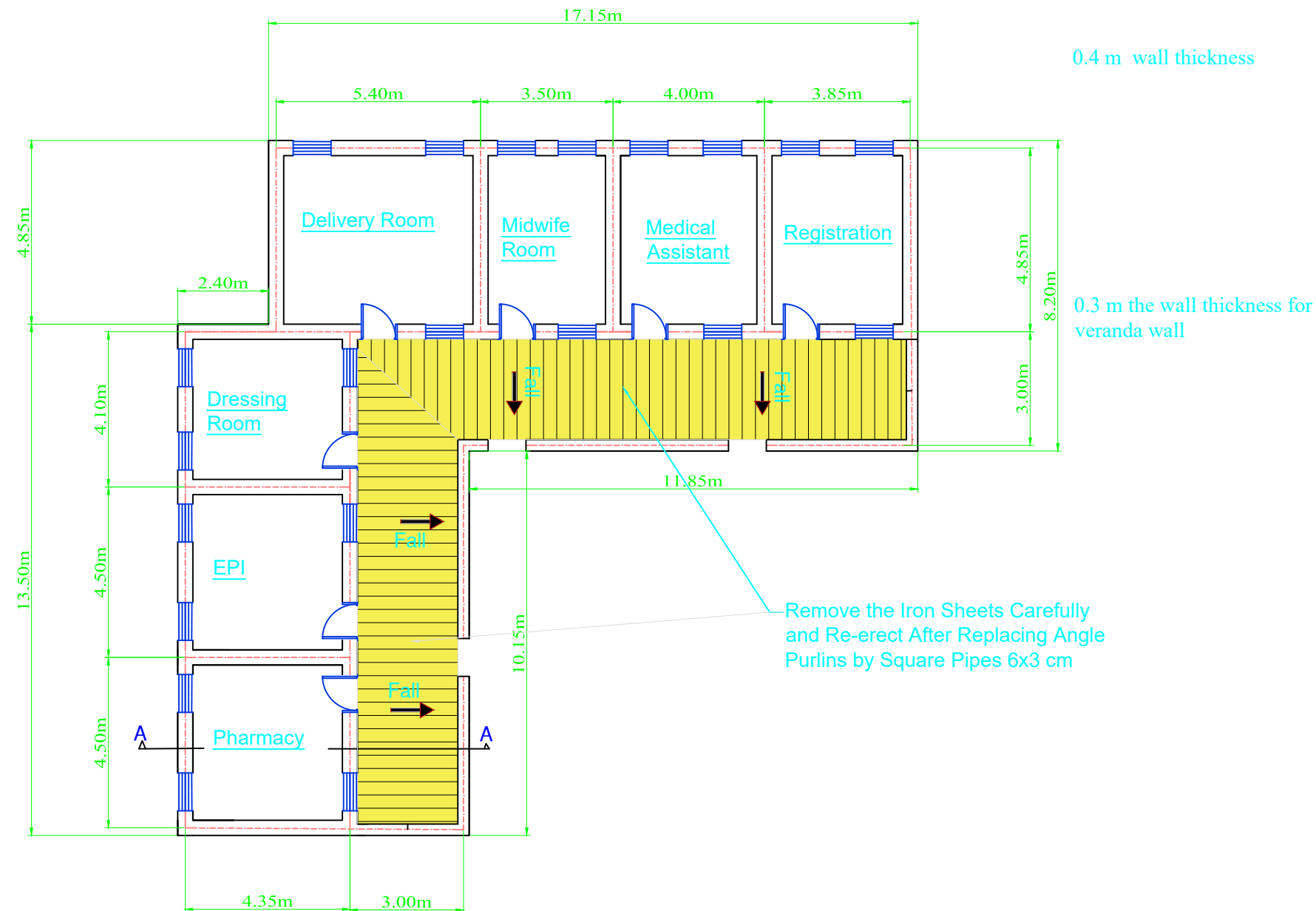
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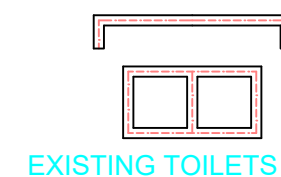
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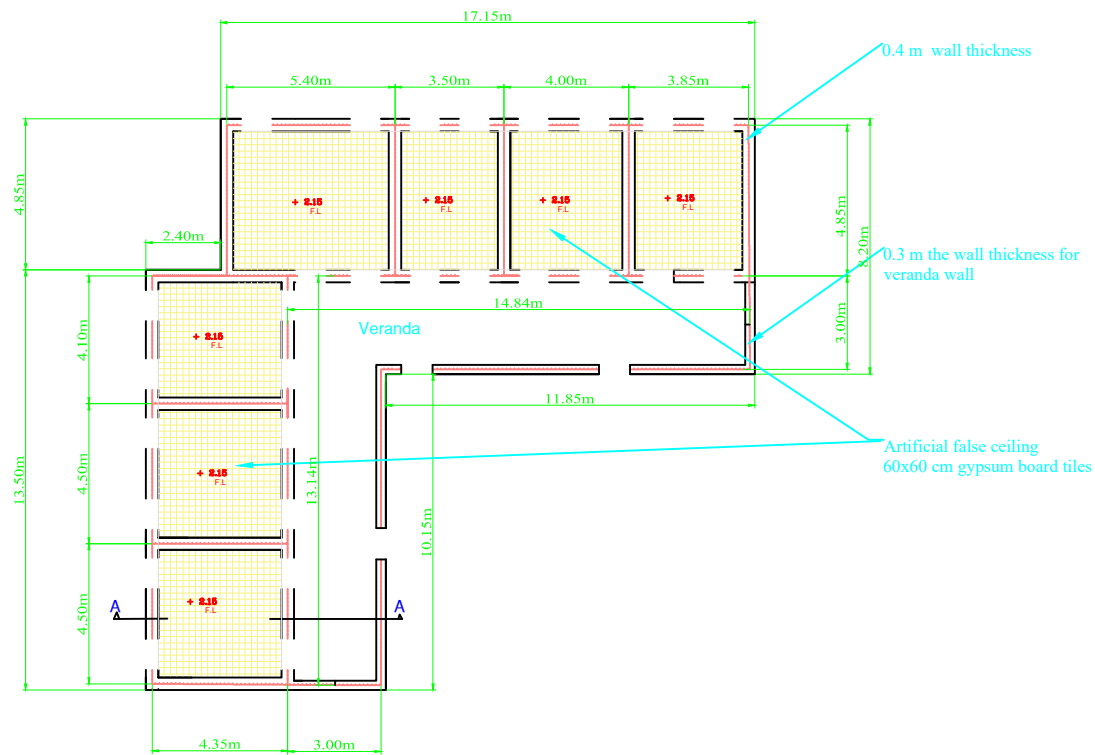
BEG - 03



## DEMOLITION PLAN



EXISTING TOILETS



## RENOVATIONS OF CEILING FINISHES



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SERVICES CENTERS in DARFUR STATES

### Client

UNOPS  
UNITED NATIONS OFFICE for PROJECT  
SERVICES

### Sheet Title

CEILING FINISHES RENOVATION

### Designed By:

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### Drawing By

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### Check By :

### Location

BEIGA BRIMARY HEALTH CARE CENTER  
WADI SALIH LOCALITY ,CENTRAL DARFUR

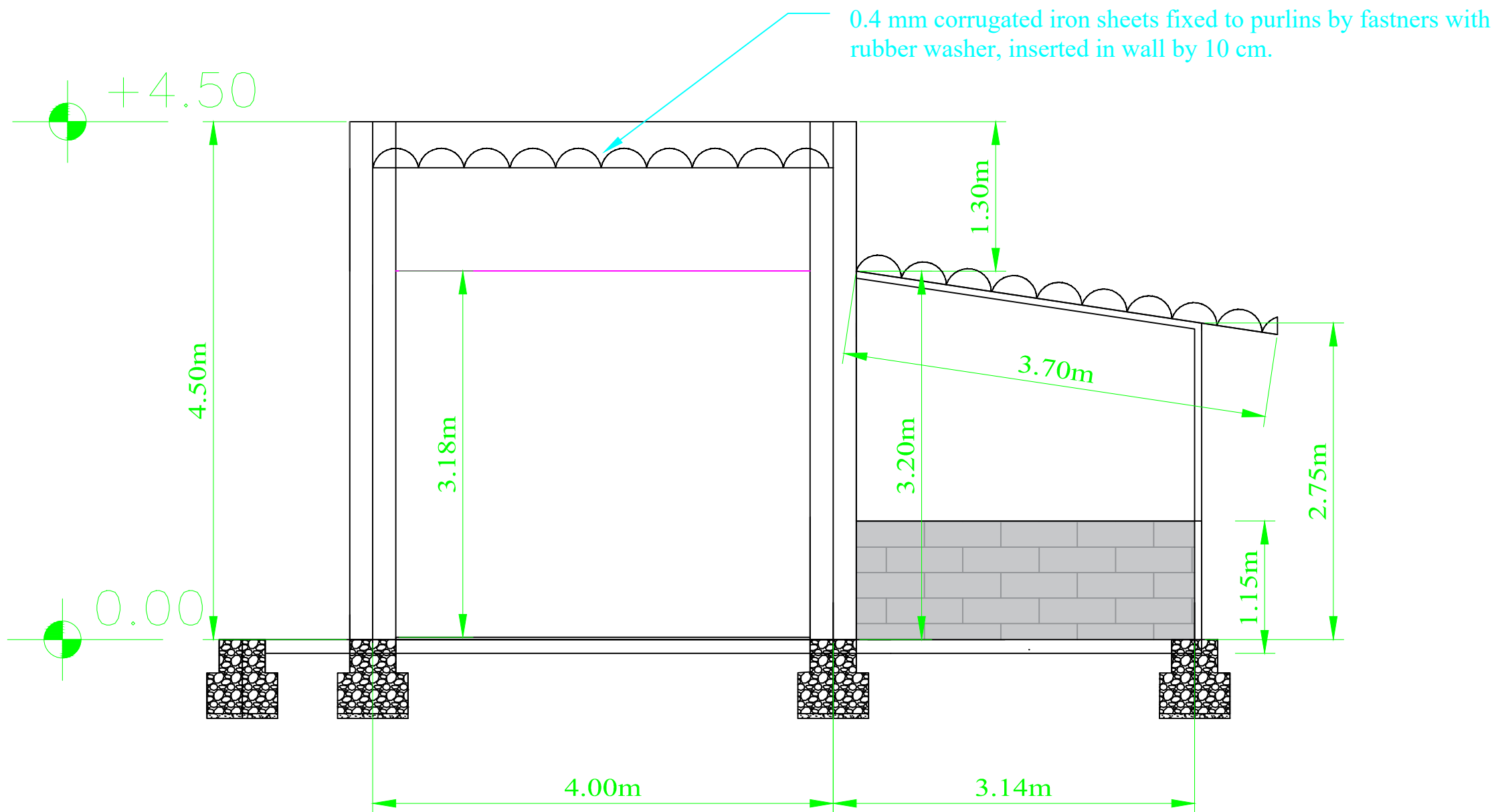
DATE  
APRIL 2017

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Sheet #

BEG - 05



## DETAILED SECTION (A-A)

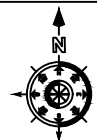
EXISTING



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SERVICIES CENTERS in DARFUR STATES

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UNITED NATIONS OFFICE for PROJECT  
SERVICES

### Sheet Title

EXISTING BUILDING  
SECTION

### Designed By:

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Eng .KHALID ABDALLAH

### Drawing By

ENG .MOHAMED ESAM

### Check By :

.....

### Location

BEIGA BRIMARY HEALTH CARE CENTER  
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DATE —  
APRIL 2017

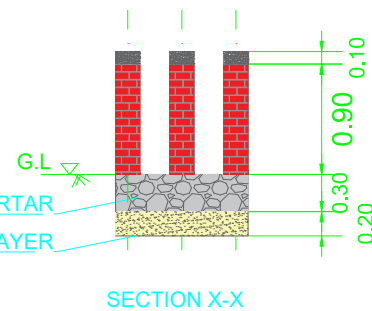
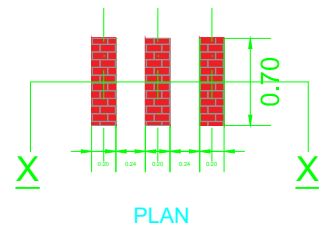
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Sheet #

BEG - 02

BRICK WALL PLINTH FOR WATER TANK



Detail (3)  
Water Tank Plinth

Corrugated Iron Sheet

Stitch Screw

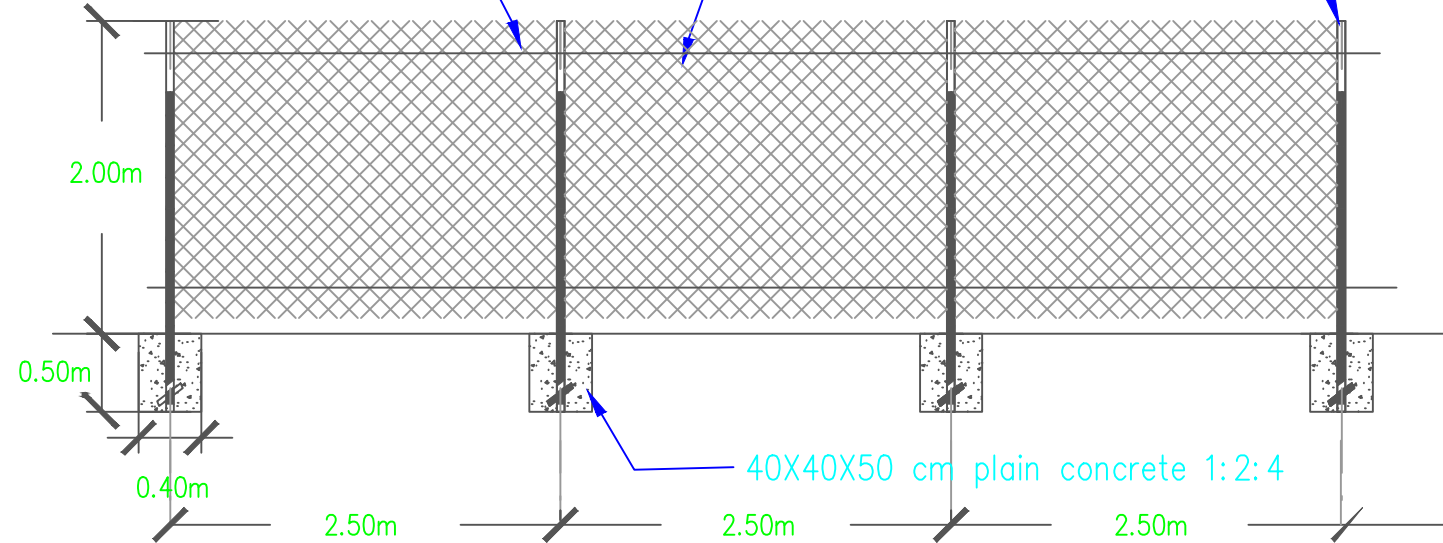
Tek Screw

Purlin 6x3 cm Rectamgle Pipe

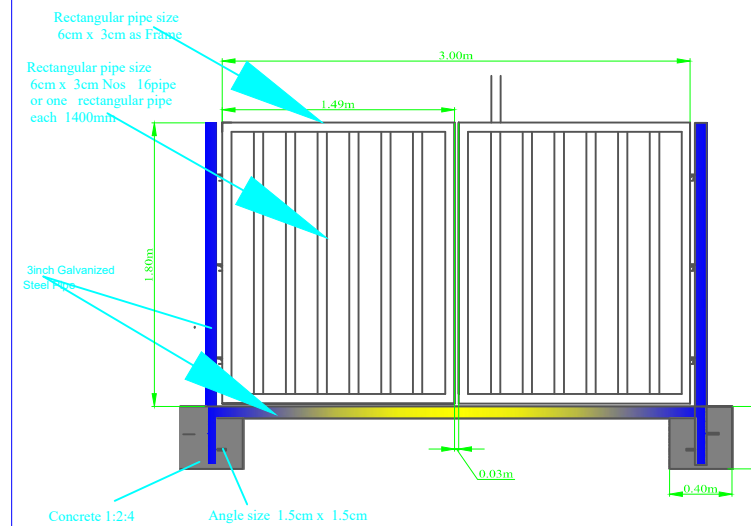
Detail 4  
Connection Between Purlins and  
Corrograted Iron Sheets Detail

Galvanized chain-link wire  
3mm thickness

Steel bar 10 mm purlin  
2"round galvanized steel pipe



FENCE DETIALS



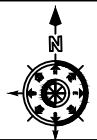
GATE DETIALS



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SERVICES

#### Sheet Title

DETAILS

#### Designed By:

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#### Drawing By

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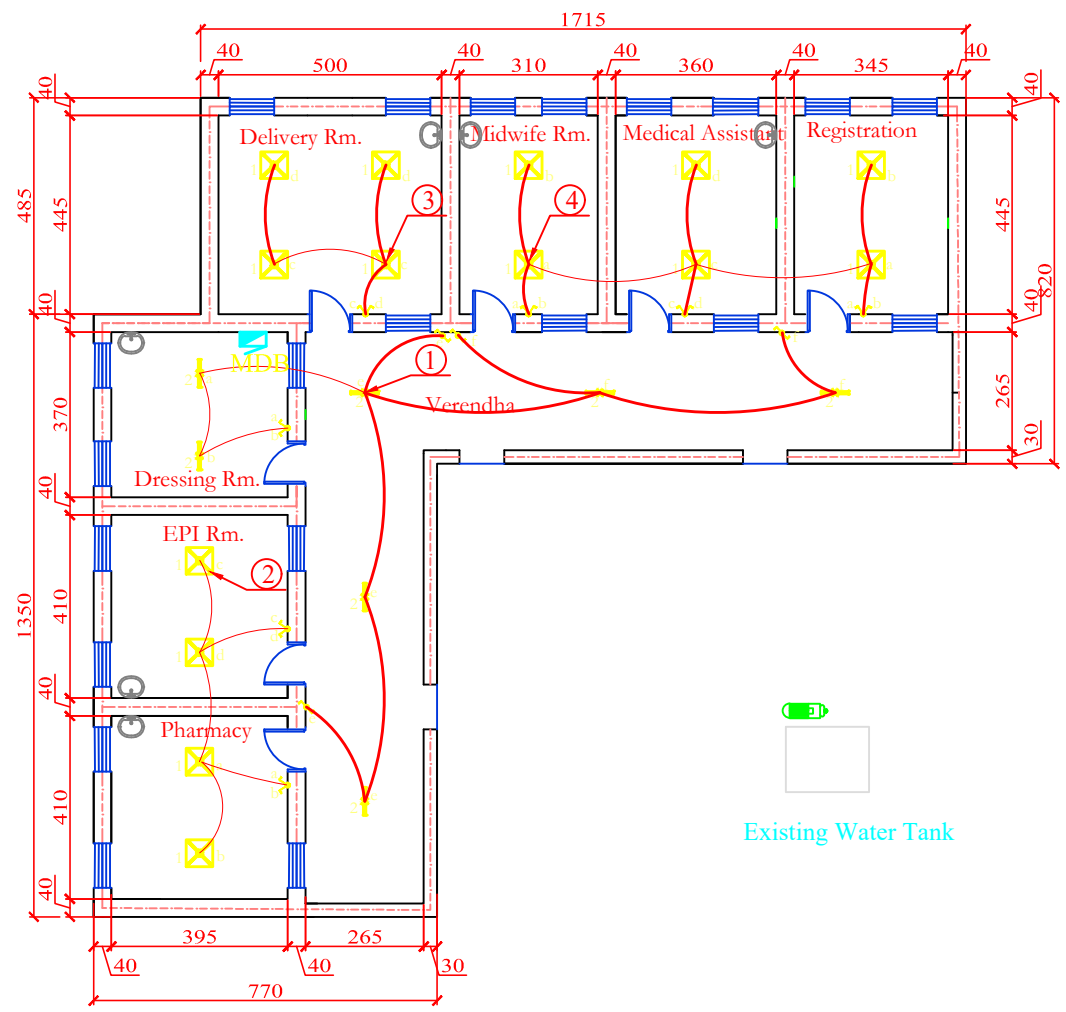
DATE -  
APRIL 2017

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CD .BH01

Scale : -  
1:3.75

Sheet #

BEG - 09



ELECTRICAL INSTALLATION PLAN - 01/02  
(LIGHTING LAYOUT PLAN)  
SCALE 1:50

All Dimensions in this page are in centimeter

Distribution Board Schedule													
Panel Name:    MDB													
Service Voltage: 220V, (1-ph), 2 wire + PE, 50HZ.		Load	Bus Type:    TPN + PE					Mounting: Flush					
			Bus Rating: 63A/10KA					IP Rating:   IP = 44					
			Enclosure: Steel Sheet										
Circuit #	Load Description	Load (KVA)	Circuit Breaker Rating (A)		Number of Poles	Wire Crosssection (mm <sup>2</sup> )	Conduit Ø (mm)	Phase R	S	T	Remark		
1	Lighting	0.35	10		1	2x2.5	16	•					
2	Lighting	0.40	10		1	2x2.5	16	•					
3	Lighting	0.40	10		1	2x2.5	16	•					
4	Lighting	0.60	10		1	2x2.5	16	•					
5	Socket outlet	1.50	16		1	3x2.5	16	•					
6	Socket outlet	1.00	16		1	3x2.5	16	•					
7	Socket outlet	1.50	16		1	3x2.5	16	•					
8	Power to FAN	1.00	16		1	3x2.5	16	•					
9	Power to FAN	1.00	16		1	3x2.5	16	•					
10	Power to FAN	0.50	16		1	3x2.5	16	•					
11	Power to FAN	1.00	16		1	3x2.5	16	•					
	Reserve (25%)												
	Main Switch	32A/1ph, MCB	KVA Connected (S <sub>TBD</sub> )				9.25						
	Location	Bottom					Diversity					0.76	
	Feeder Cable	3x6mm <sup>2</sup>					KVA Demand (S <sub>max</sub> )					7.03	
	P.V.C. Conduit	Ø50mm					KW Demand (P <sub>Max</sub> )					5.62	
	Power Source	from Source kwhm					Current (A)					31.95	



Light fitting Schedule						
Item No	Mounting	Lamp			IP Rating	Description (Specified or approved equivalent)
		#	[W]	Type		
1	Ceiling	4	18	FL.	23	GECEM GCP 418C T26M 4x18W
2	Ceiling	2	18	FL.	23	GECEM GCP 218C T26M 2x18W

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Notes

Project

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SERVICES CENTERS in DARFUR STATES

Client

UNITED NATIONS OFFICE for PROJECT  
SERVICES

Sheet Title

ELECTRICAL

Designed By:

Eng .ASHENAFI DURESSA PPEE/1127

Drawing By

Eng .ASHENAFI DURESSA PPEE/1127

Check By :

.....

Location

BEIGA BRIMARY HEALTH CARE CENTER  
WADI SALIH LOCALITY ,CENTRAL DARFUR

DATE

APRIL 2017

DRAWING NO

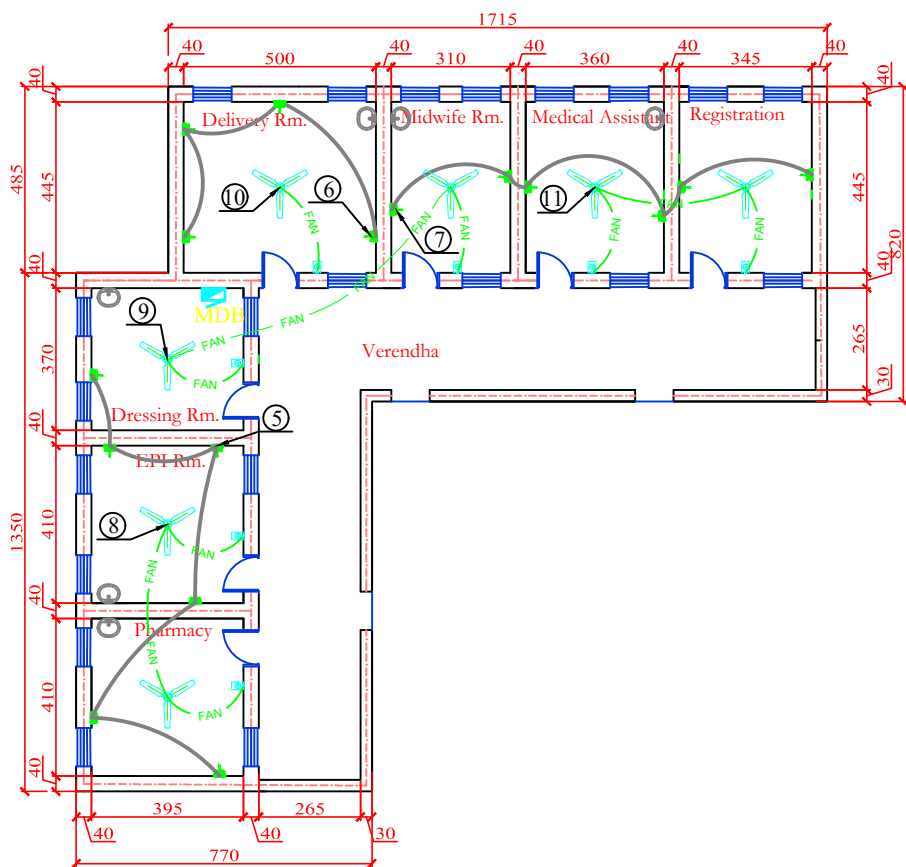
CD .BH01

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Sheet #

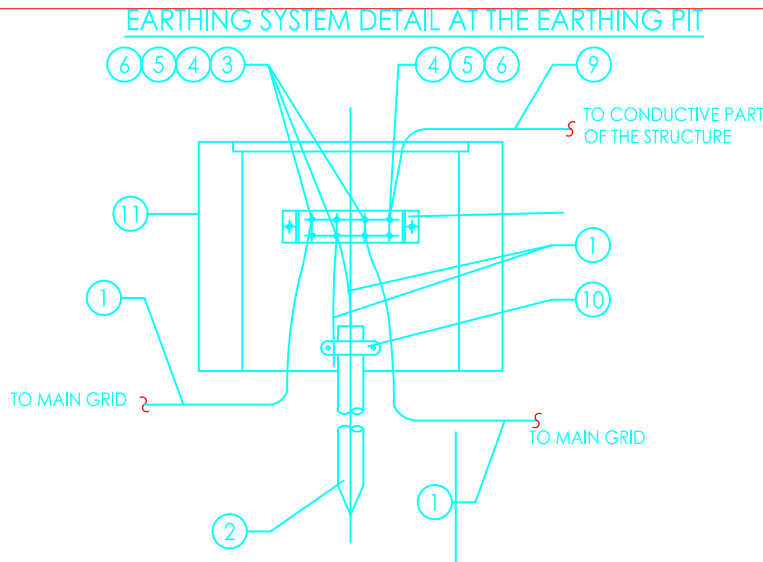
BEG - 06



# ELECTRICAL INSTALLATION PLAN - 02/02 (DISTRIBUTION BOARD, SOCKET and SWEEP FAN LAYOUT PLAN)

SCALE 1:50

All Dimensions in this page are in centimeter



TYPE	DESCRIPTION
1	EARTH STRANDED COPPER CONDUCTOR = 1 x 6mm <sup>2</sup> sq.
2	EARTH ELECTRODE - COPPER ROD 1200 x 10mm
3	COMPRESSION CABLE TERMINAL FOR ROPE IN Cu Ø14.7 (HOLE Ø13)
4	PIN STAINLESS STEEL M12X40
5	FLAT WASHER IN STAINLESS STEEL Ø13 mm
6	DIE IN STAINLESS STEEL M12
7	GROUND STRAP IN Cu DIM. 260 x 100 x 6mm
8	EXPANSION SMALL BLOCK M10
9	FLAT IN Cu 30 x 3mm
10	CLAMP TERMINAL (EARTH ROD TO CONDUCTOR)
11	MANHOLE SIZE OF 400 x 400 x 500MM WITH CONCRETE COVER HAVING LIFTING LUG

## LEGEND

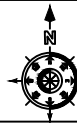
	16A Socket outlet (Flush mounted) with 3x2.5mm <sup>2</sup> fixed over 30cm above F.F.L.
	Double Fluorescent Fitting
	Ceiling mounted luminaire
	Ceiling mounted 4x18W Luminaire
	Fluorescent
	10A Double-Pole Switch
	10A Two-way Switch
	Ceiling mounted Sweep FAN
	FAN Speed Control
	Distribution Board (Flush mounted)



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## Notes

All Dimensions in this page are in centimeter  
Minimum fan-to-floor distance shall be 230cm



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## Sheet Title

ELECTRICAL

## Designed By:

Eng .ASHENAFI DURESSA PPEE/1127

## Drawing By

Eng .ASHENAFI DURESSA PPEE/1127

## Check By :

## Location

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AS SHOWN

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BEG - 07



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## Sheet Title

PLUMBING &amp; DRAINAGE

## Designed By:

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Eng .KHALID ABDALLAH

## Drawing By

ENG .MOHAMED ESAM

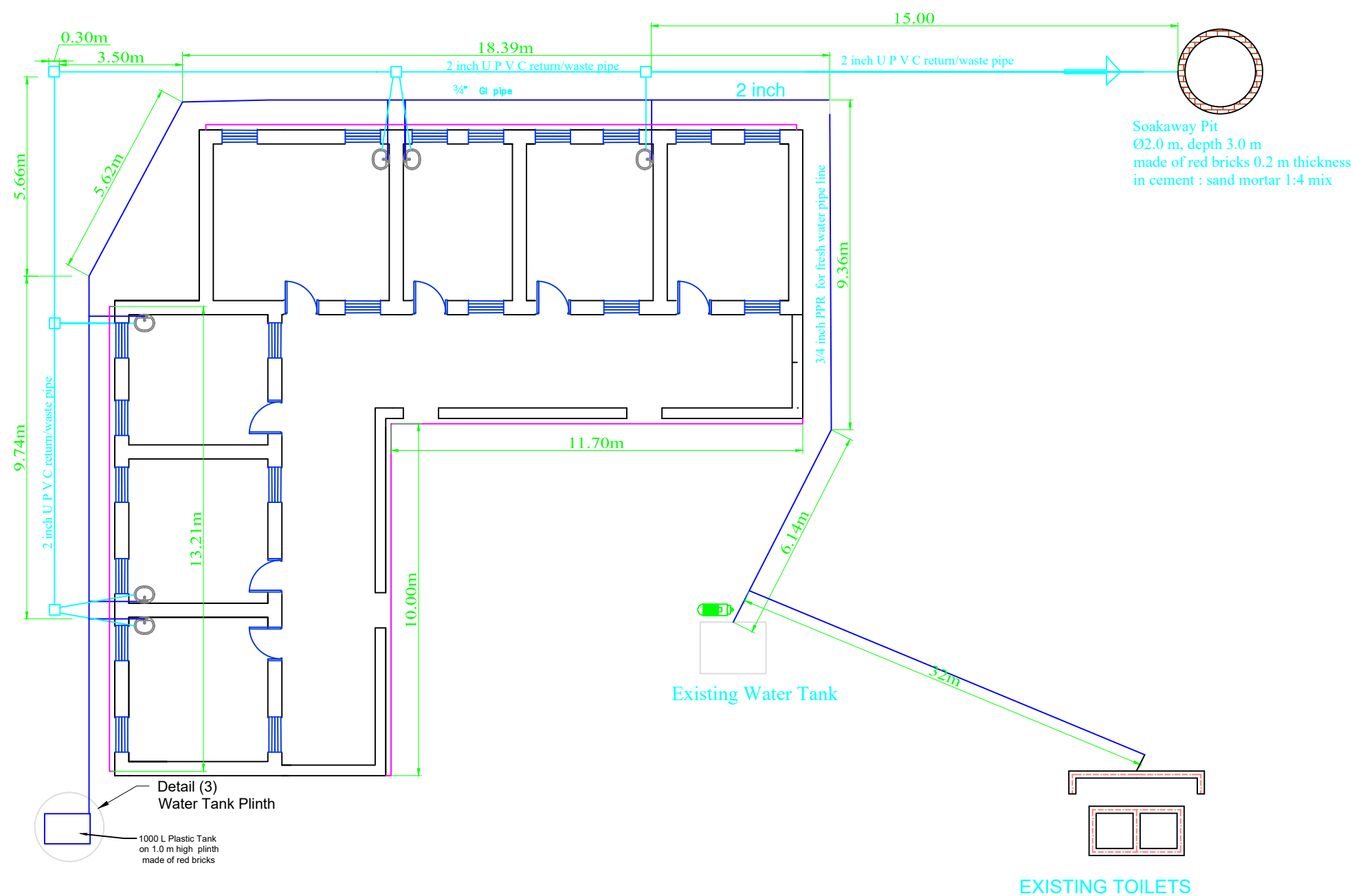
## Check By :

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1:3.75

Sheet #

BEG - 08



## PLUMBING &amp; DRANAGE

SCHEDULES

FLOOR FINISHES SCHEDULE				
	FLOORING	SKIRTING	SIZE	REMARKS
	CERAMIC TILES FLOOR Existing floor hacked and new screed layer to be added	10 cm hight with the walls	30 cm x 30 cm	All rooms will have ceramic tiles
WALLS PLASTERING & PAINTING SCHEDULE				
Description	Prparations	Materials & Specs		REMARKS
Internal Plastering	Remove existing plaster carefully , harden the surface	Use a mix of 1:6 cement sand mortar		Apply to rooms and verendah's
External Plastering	Remove existing plaster carefully , harden the surface	Use a mix of 1:6 cement sand mortar		Apply to external Walls
Internal Painting	Clean the surface by wire brush and fill uneven surfaces with stucco filler paste	undercoat plastic emulsion, 2 coats of good quality oil based paint of approved colour		All Internal Walls
External Painting		undercoat plastic emulsion, 2 coats of good quality weather proof of approved colour		All External Walls



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Client

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UNITED NATIONS OFFICE for PROJECT SERVICES

Sheet Title

FINISHES SCHEDULES

Designed By:

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Drawing By

ENG .MOHAMED ESAM

Check By :

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Location

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WADI SALIH LOCALITY ,CENTRAL DARFUR

DATE

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APRIL 2017

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BEG - 10

Scale : -

1:3.75