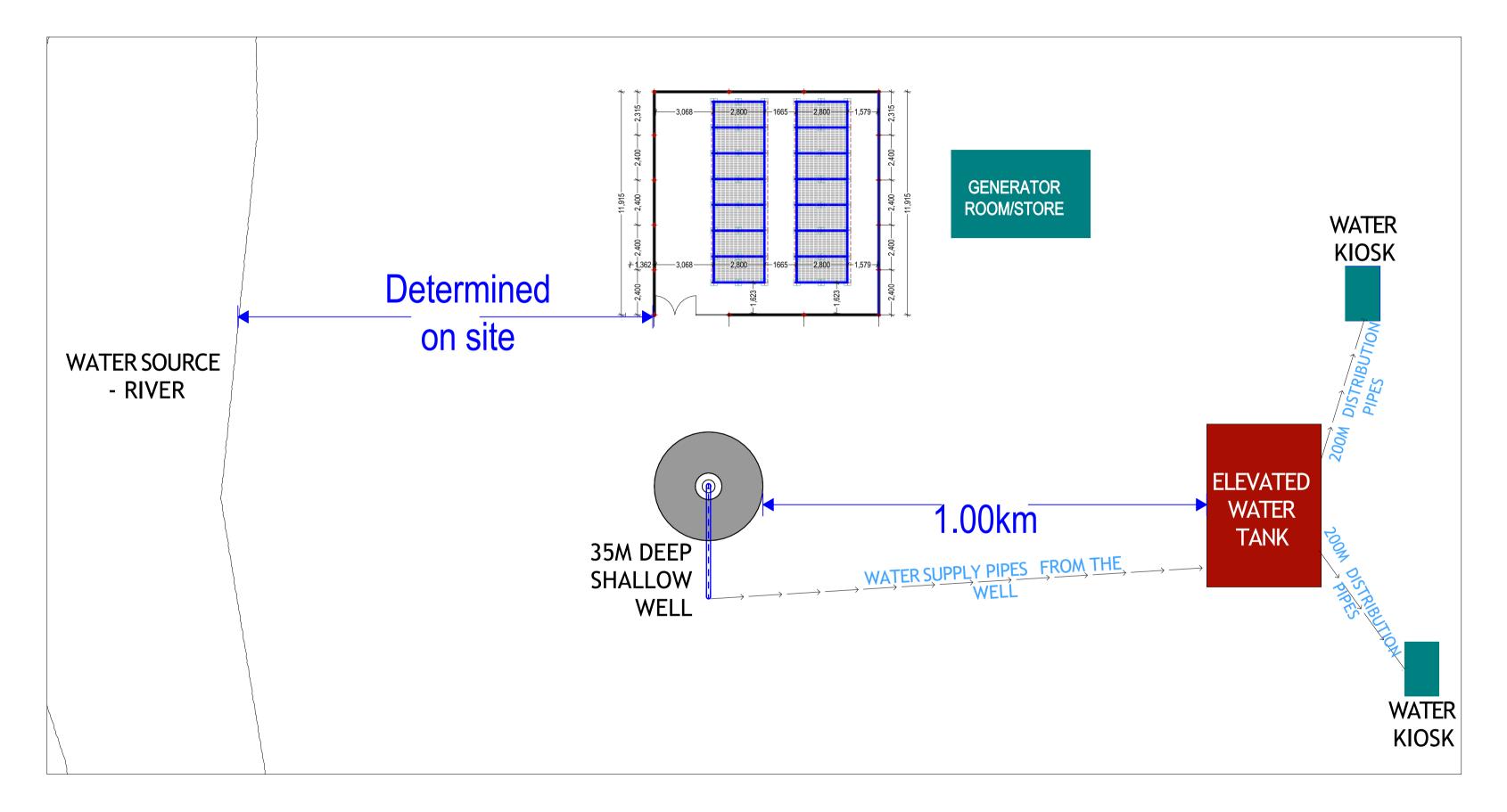
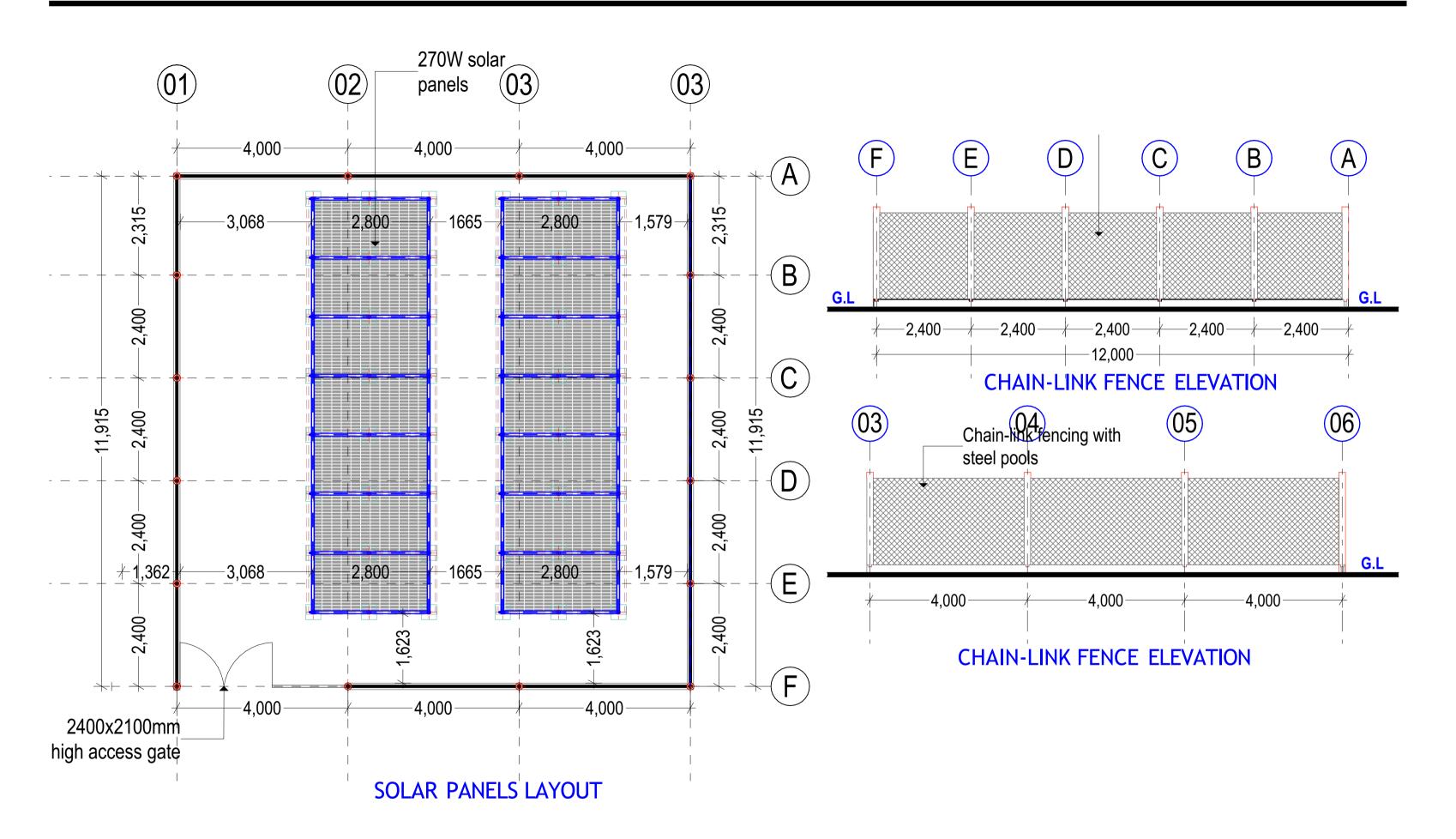


CONSTRUCTION OF MOTORIZED SHALLOW WELL - RAQAYLE VILLAGE - JOWHAR DISTRICT - HIRSHABELLE STATE

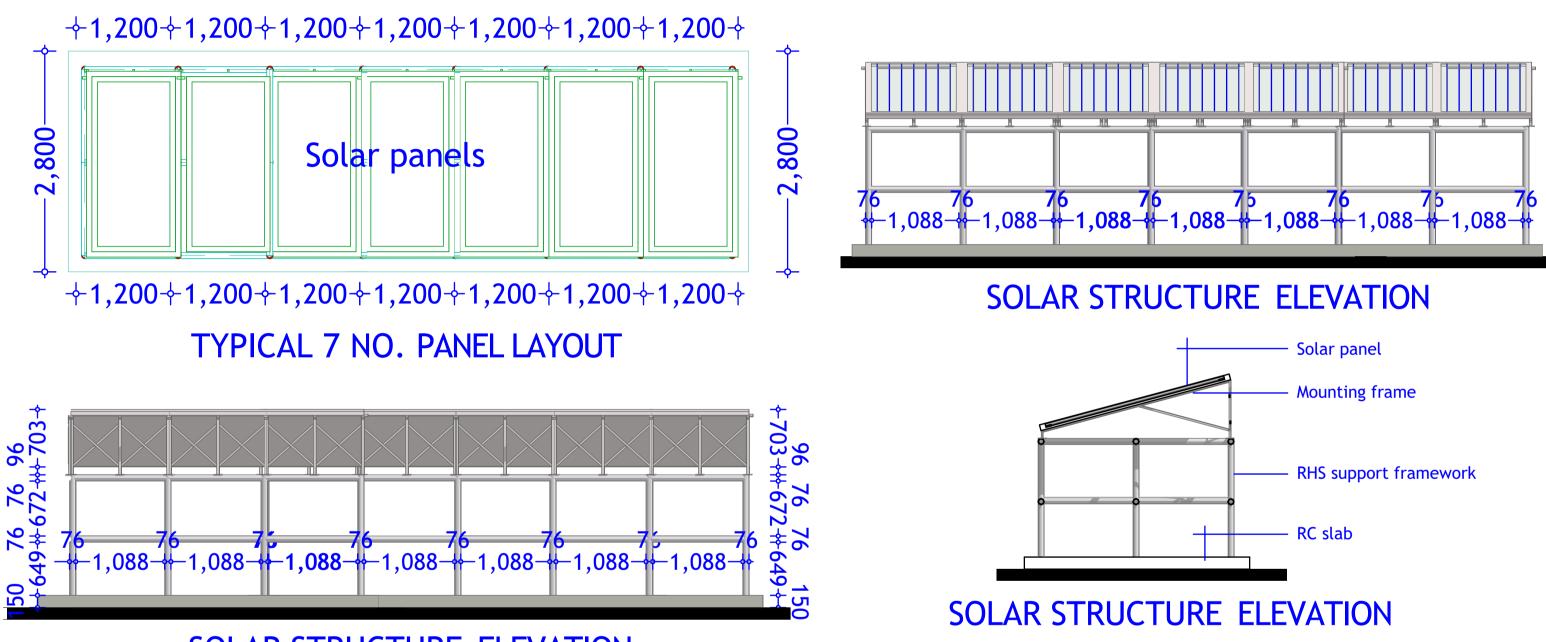




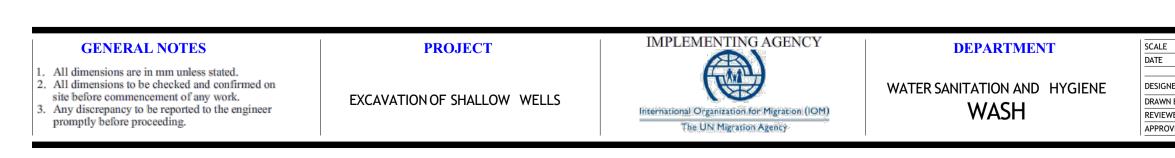
GENERAL NOTES	PROJECT	IMPLEMENTING AGENCY	DEPARTMENT	SCALE		DRAWING TITLE:	CITE DI ANI
All dimensions are in mm unless stated.				DATE	NOV 2020	DRAWING Nº:	SITE PLAN
. All dimensions to be checked and confirmed on			WATER SANITATION AND HYGIENE	DESIGNED BY:	ENG. Wanja.D		<u>Sheet nº:</u>
site before commencement of any work. . Any discrepancy to be reported to the engineer	EXCAVATION OF SHALLOW WELLS	International Organization for Migration (IOM)	WASH	DRAWN BY : REVIEWED BY:	ENG. Wanja.D	PROJECT Nº:	- -
promptly before proceeding.		The UN Migration Agency		APPROVED BY:			



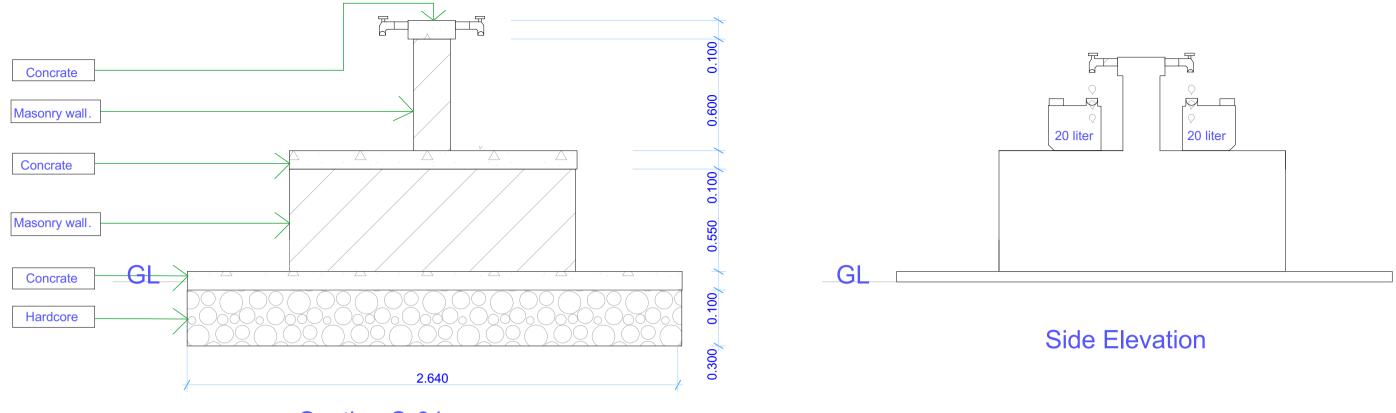
GENERAL NOTES	PROJECT	IMPLEMENTING AGENCY	DEPARTMENT	SCALE		DRAWING TITLE:	
				DATE	JUNE 2020		SOLAR LAYOUT
<ol> <li>All dimensions are in mm unless stated.</li> </ol>						DRAWING Nº:	
2. All dimensions to be checked and confirmed on			WATER SANITATION AND HYGIENE	DESIGNED BY:	ENG. Wanja.D		<u>SHEET N<sup>o</sup>:</u>
site before commencement of any work. 3. Any discrepancy to be reported to the engineer	EXCAVATION OF SHALLOW WELLS			DRAWN BY :	ENG. Wanja.D	PROJECT N <sup>O</sup> :	
promptly before proceeding.		International Organization for Migration (IOM)	WASH	REVIEWED BY:			
promptry before proceeding.		The UN Migration Agency		APPROVED BY:			



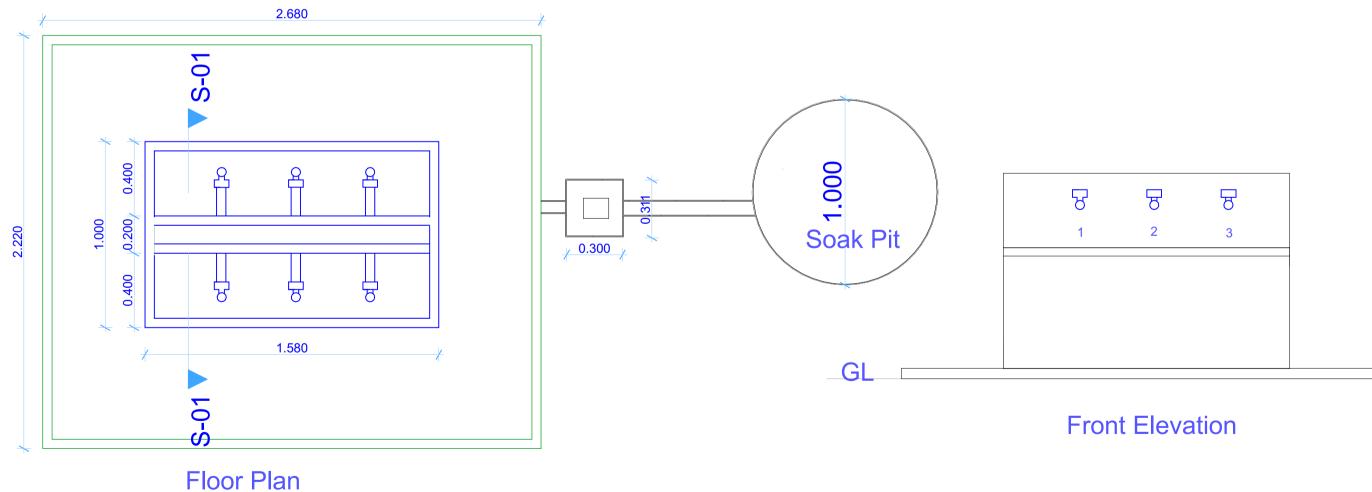
# SOLAR STRUCTURE ELEVATION



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		DRAWING TITLE:	S.STRUCTURE
	JUNE 2020		
		DRAWING Nº:	DUIALO
IED BY:	ENG. Wanja.D		<u>SHEET N<sup>o</sup>:</u>
BY:	ENG. Wanja.D	PROJECT Nº:	
VED BY:			
VED BY:			



Section S-01



# **GENERAL NOTES**

All dimensions are in mm unless stated.
 All dimensions to be checked and confirmed on site before commencement of any work.
 Any discrepancy to be reported to the engineer promptly before proceeding.

EXCAVATION OF SHALLOW WELLS

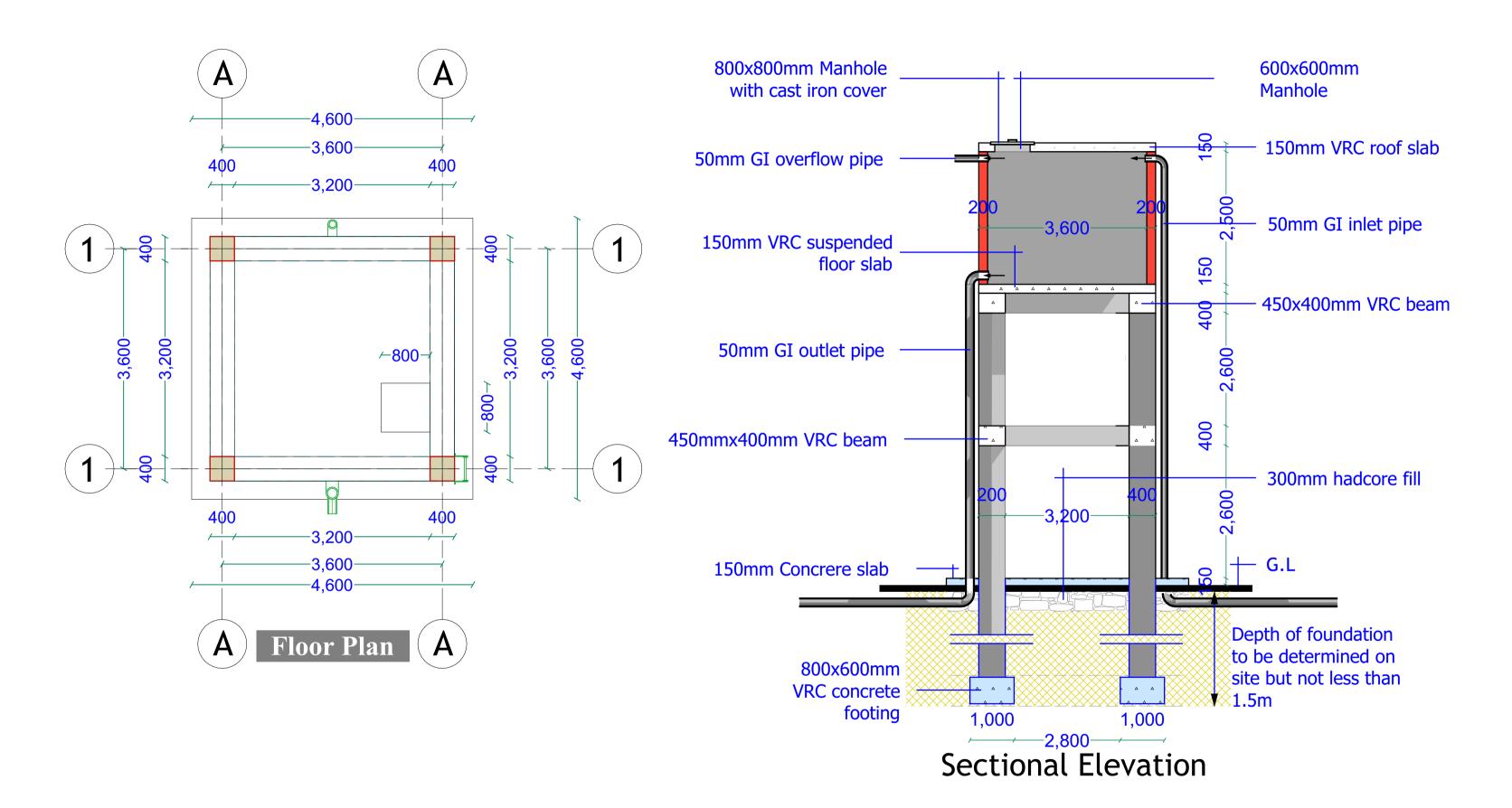
PROJECT







		DRAWING TITLE:	
	JUNE 2020		WATERKIOSK
		DRAWING N <sup>o</sup> :	
NED BY:	ENG. Wanja.D		<u>SHEET N<sup>o</sup>:</u>
NBY:	ENG. Wanja.D	PROJECT Nº:	
VED BY:			
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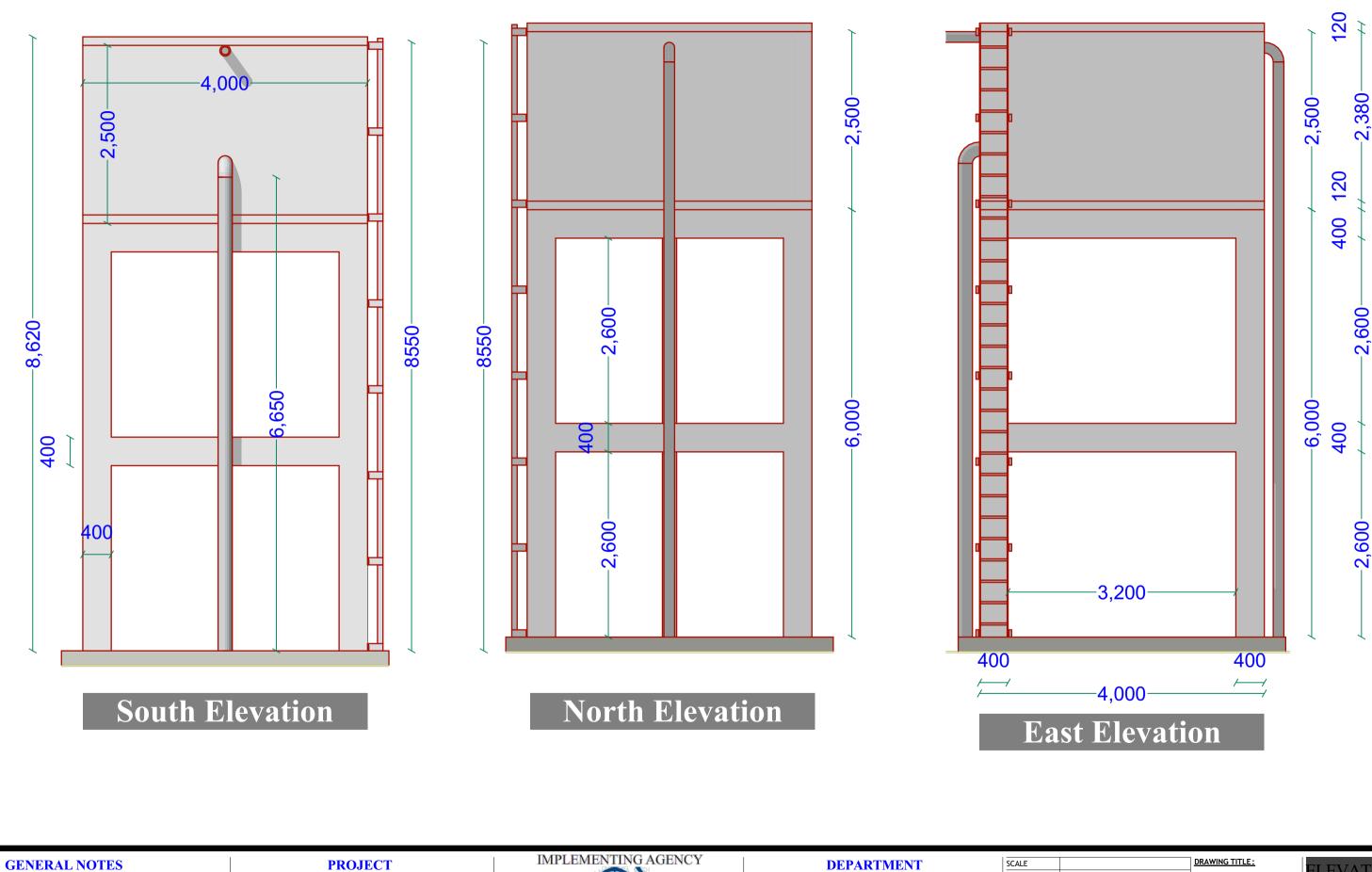




## **GENERAL NOTES**

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		DRAWING TITLE:	
	JUNE 2020		ELEVATED TANK
		DRAWING Nº:	
NED BY:	ENG. Wanja.D		<u>Sheet nº:</u>
N BY :	ENG. Wanja.D	PROJECT Nº:	
WED BY:			
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All dimensions are in mm unless stated.
 All dimensions to be checked and confirmed on

site before commencement of any work.

Any discrepancy to be reported to the engineer promptly before proceeding.

EXCAVATION OF SHALLOW WELLS

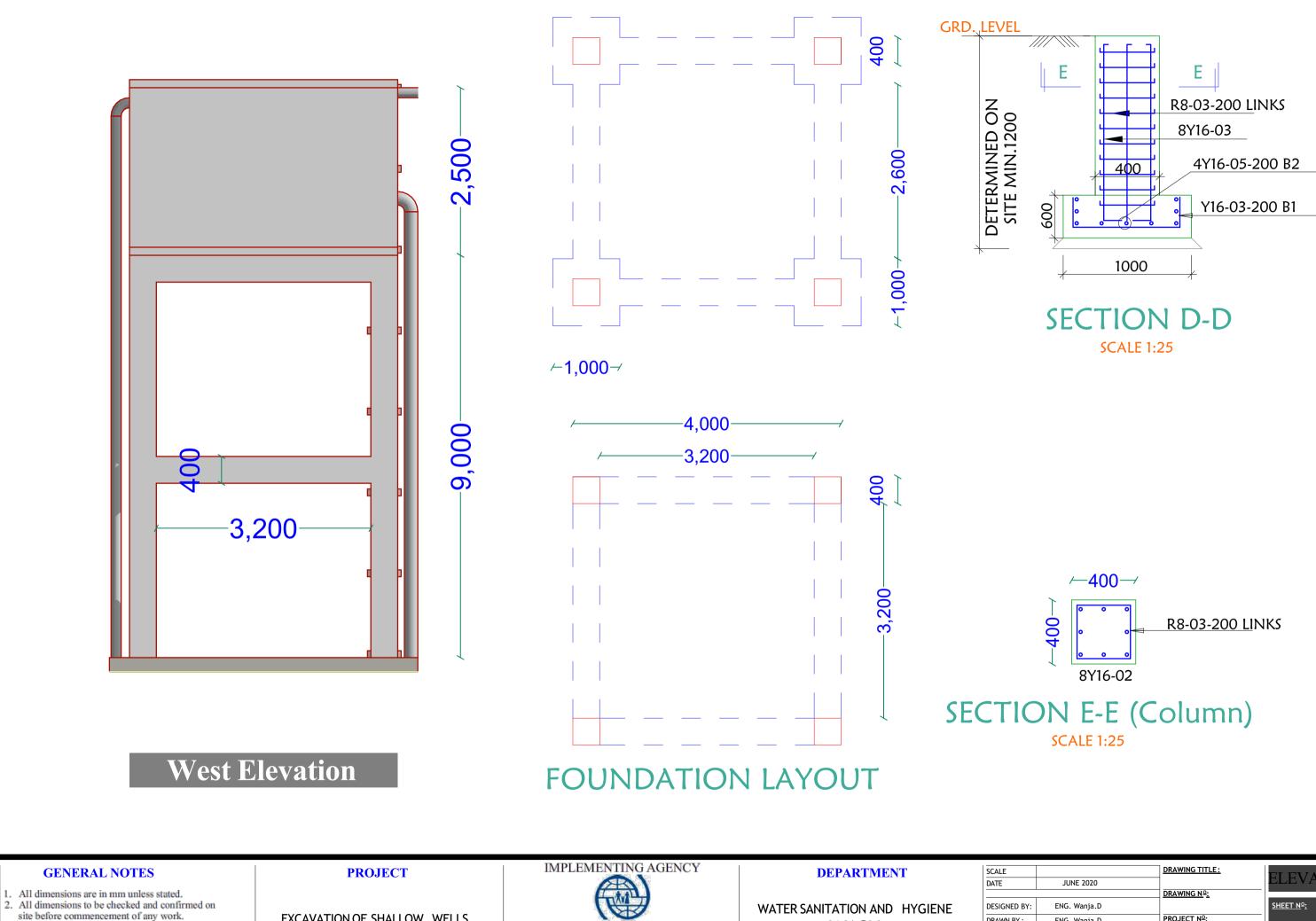
PROJECT

12 International Organization for Migration (IOM) The UN Migration Agency

WATER SANITATION AND HYGIENE WASH



	JUNE 2020	DRAWING TITLE :	ELEVATED TANK
	G. Wanja.D G. Wanja.D	PROJECT Nº:	<u>Sheet nº:</u>
/ED BY: /ED BY:			



3. Any discrepancy to be reported to the engineer promptly before proceeding.

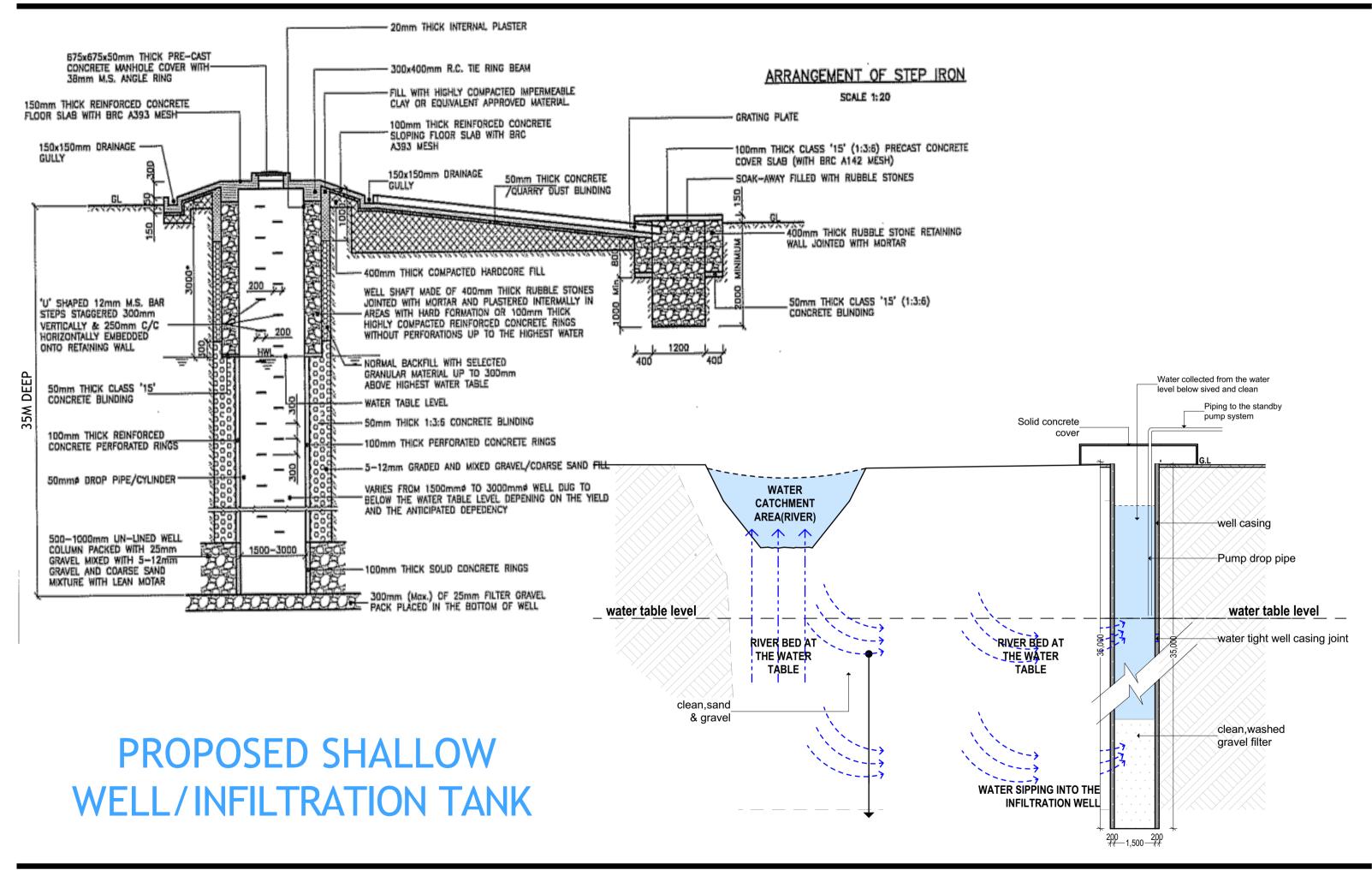
EXCAVATION OF SHALLOW WELLS

International Organization for Migration (IOM) The UN Migration Agency

WASH

DRAWN REVIEW APPROVE

		DRAWING TITLE:	
	JUNE 2020		ELEVATED TANK
		DRAWING Nº:	
ED BY:	ENG. Wanja.D		<u>SHEET Nº:</u>
BY:	ENG. Wanja.D	PROJECT Nº:	
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- All dimensions to be checked and confirmed on site before commencement of any work.
- Any discrepancy to be reported to the engineer promptly before proceeding.

PROJECT

EXCAVATION OF SHALLOW WELLS



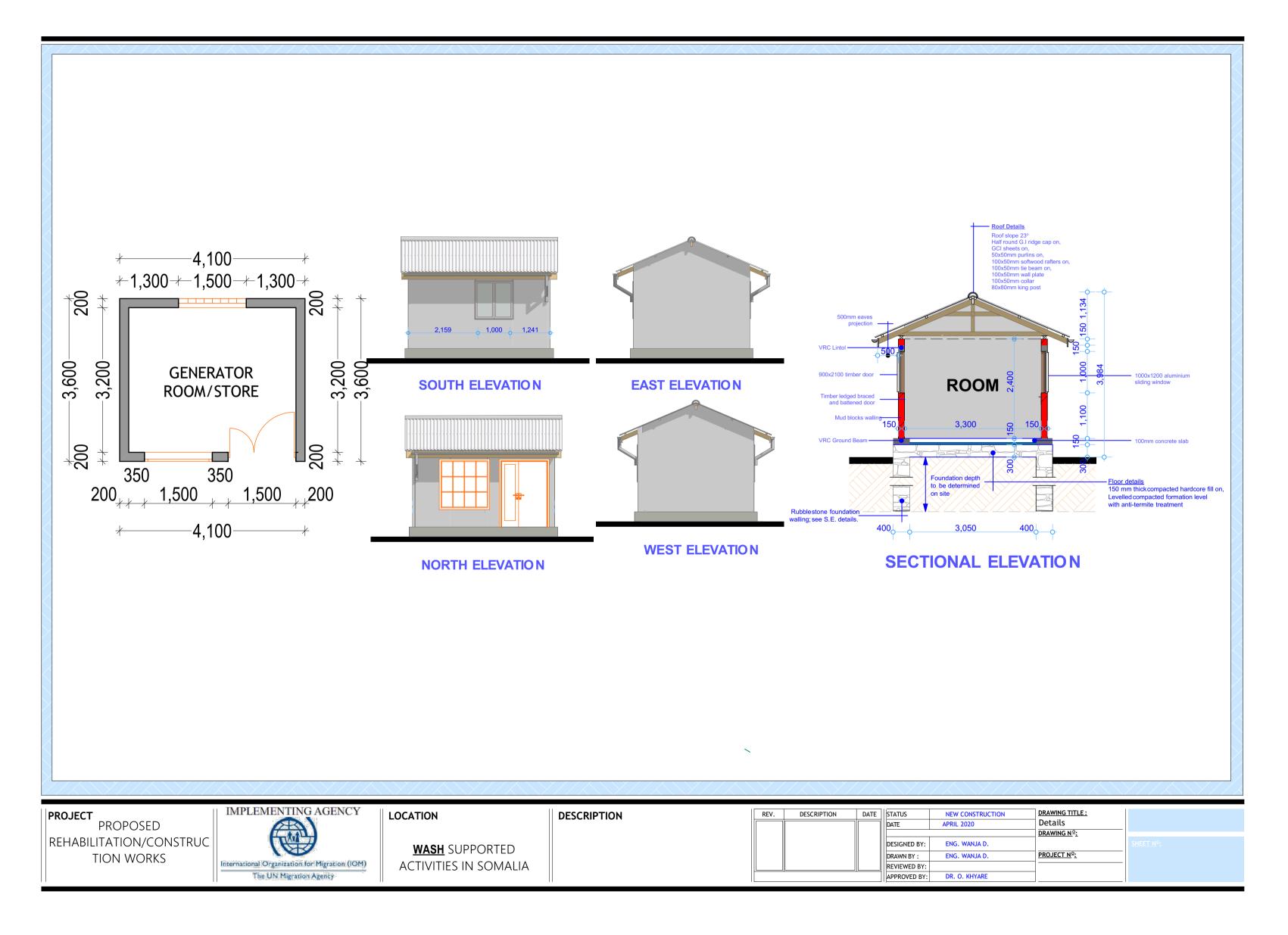
WATER SANITATION AND HYGIENE

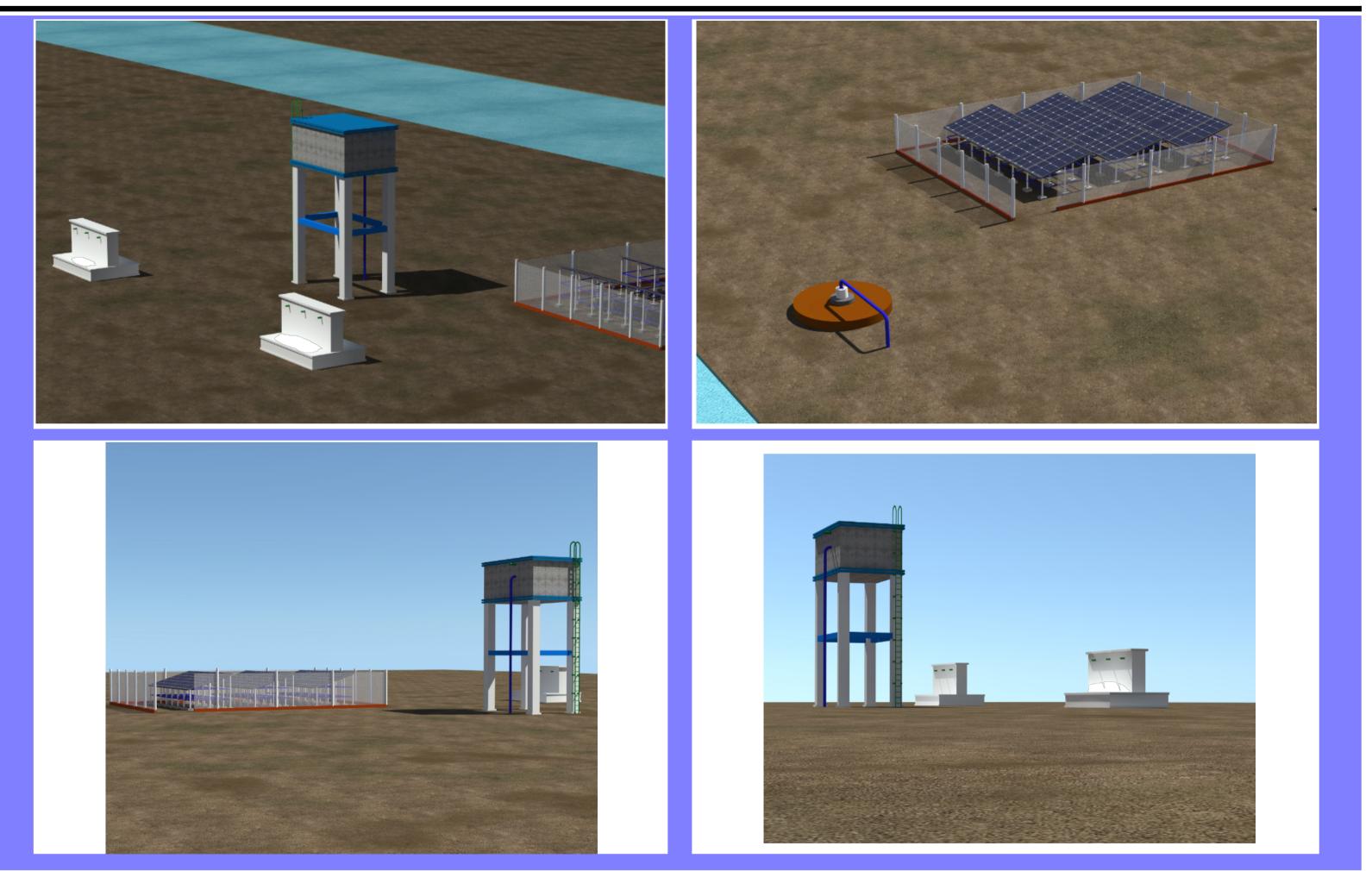
**DEPARTMENT** 

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SCALE

		DRAWING TITLE:	
	JUNE 2020		SHALLOW WELL
		DRAWING N <sup>o</sup> :	
NED BY:	ENG. Wanja.D		<u>SHEET N<sup>o</sup>:</u>
N BY :	ENG. Wanja.D	PROJECT Nº:	
WED BY:			
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## **GENERAL NOTES**

- All dimensions are in mm unless stated.
   All dimensions to be checked and confirmed on site before commencement of any work.
   Any discrepancy to be reported to the engineer promptly before proceeding.

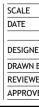
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EXCAVATION OF SHALLOW WELLS



WATER SANITATION AND HYGIENE WASH

DEPARTMENT



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	JUNE 2020		VIEWS
		DRAWING N <sup>o</sup> :	
ED BY:	ENG. Wanja.D		<u>SHEET N<sup>o</sup>:</u>
BY:	ENG. Wanja.D	PROJECT Nº:	
/ED BY:			
VED BY:			

# **LORENTZ**<sup>3</sup>

# PS2-1800 C-SJ8-7

# Solar Submersible Pump System for 4" wells

## System Overview

Head Flow rate

max. 40 m max. 13 m<sup>3</sup>/h

# **Technical Data**

Controller PS2-1800

- Controlling and monitoring
- Control inputs for dry running protection, remote control etc. Protected against reverse polarity, overload and overtemperature Integrated MPPT (Maximum Power Point Tracking) Battery operation: Integrated low voltage disconnect
- Integrated Sun Sensor

Power	max. 1,8 kW
Input voltage	max. 200 V
Optimum Vmp**	> 102 V
Motor current	max. 14 A
Efficiency	max. 98 %
Ambient temp.	-4050 °C
Enclosure class	IP68

## Motor ECDRIVE 1200-C / ECDRIVE 1800-C

1,7 kW
max. 92 %
9003 300 rpm
F
IP68
max. 150 m

Non-return valve Premium materials, stainless steel: AISI 304

Optional: dry running protection Centrifugal pump

## Pump Unit PU1800 C-SJ8-7 (Motor, Pump End) Borehole diameter

min. 4,0 in Water temperature max. 50 °C



## Standards



2006/42/EC, 2004/108/EC, 2006/95/EC

## して

## IEC/EN 61702:1995

The logos shown reflect the approvals that have been granted for this product family. Products are ordered and supplied with the approvals specific to the market requirements.

\*\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m<sup>2</sup> solar irradiance, 25 °C cell temperature

BERNT LORENTZ GmbH & Co. KG Siebenstuecken 24, 24558 Henstedt-Ulzburg, Germany, Tel +49 (0)4193 8806-700, www.lorentz.de

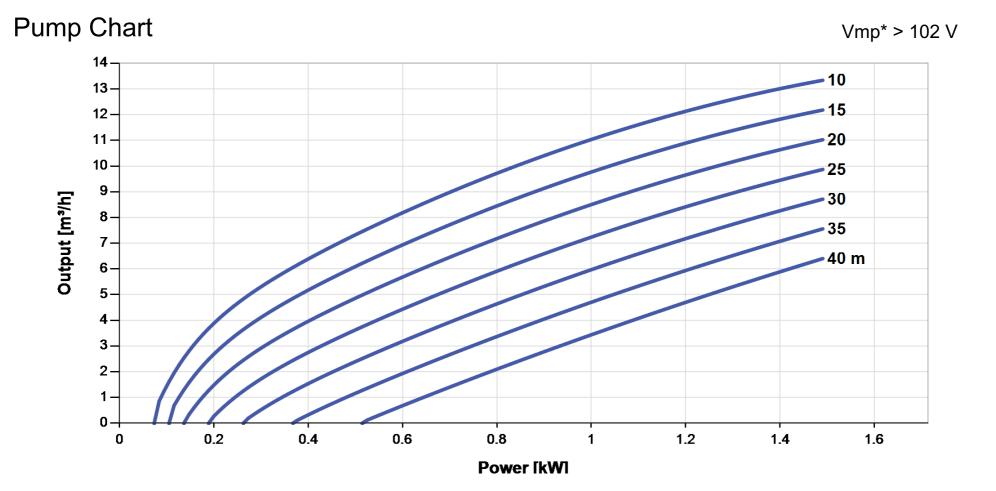


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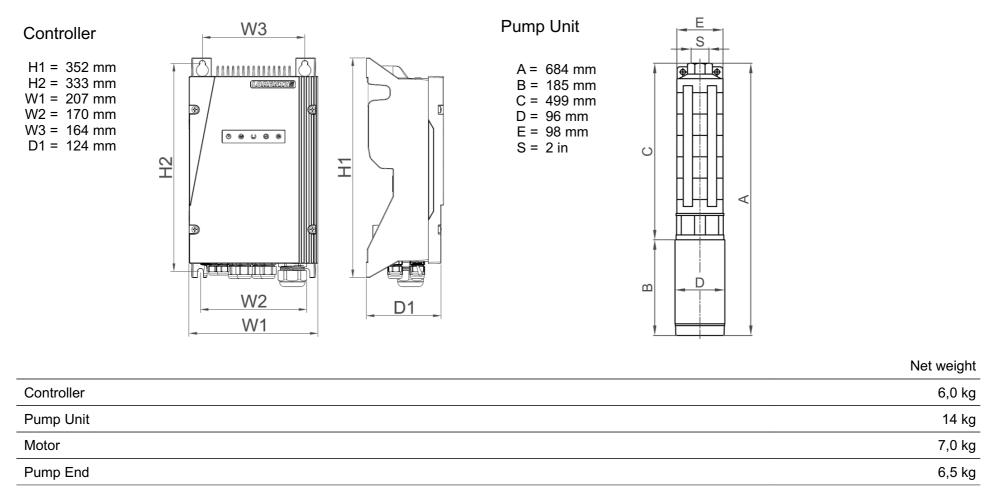


# PS2-1800 C-SJ8-7

Solar Submersible Pump System for 4" wells



# **Dimensions and Weights**



\*Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

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