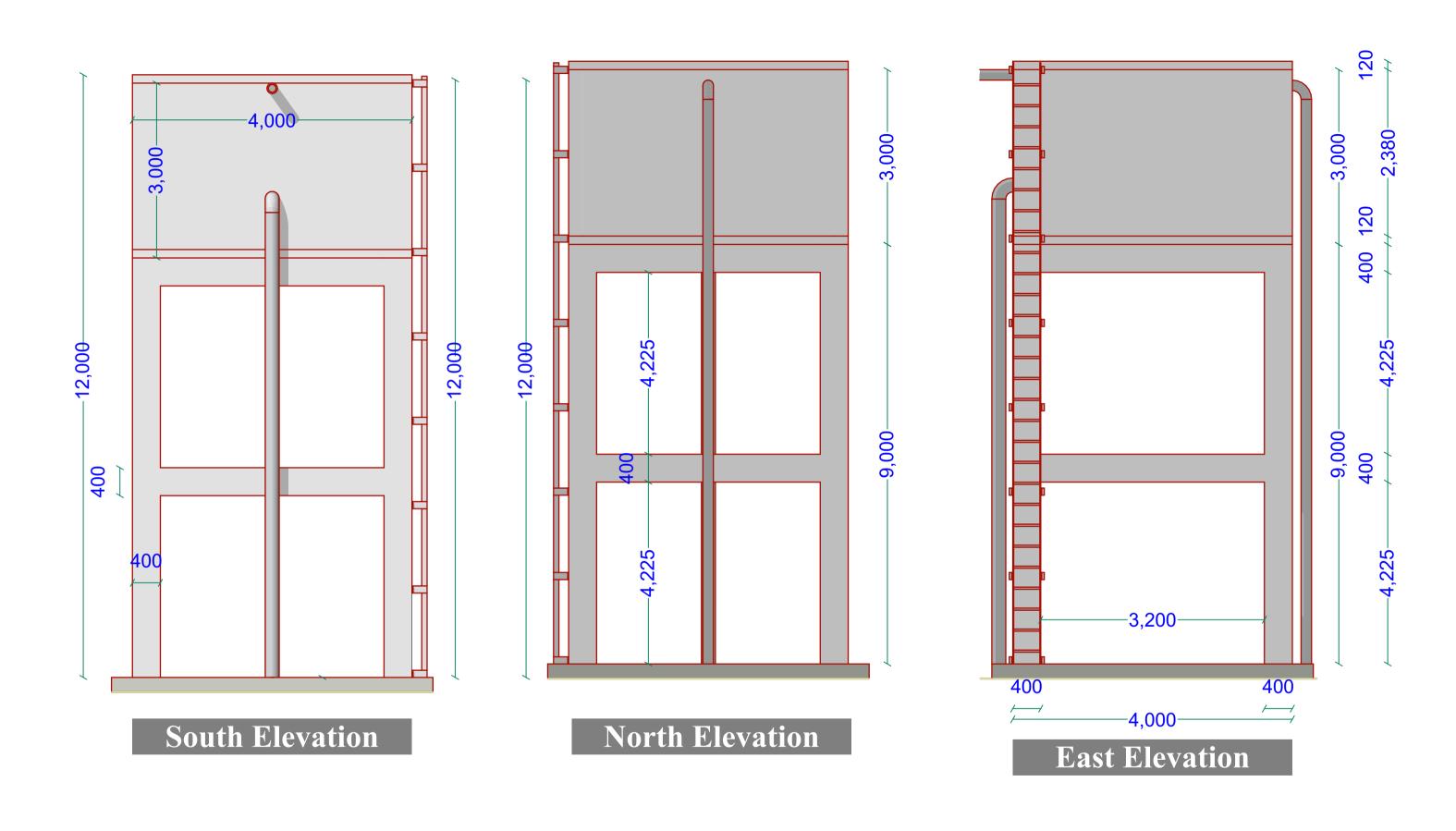
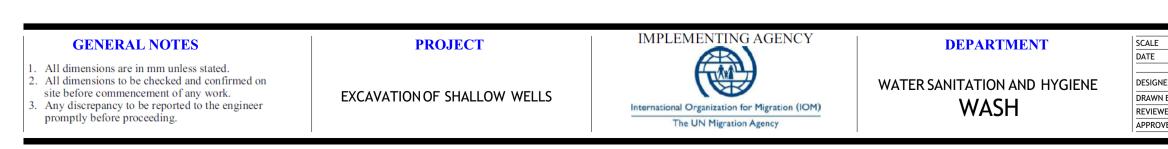


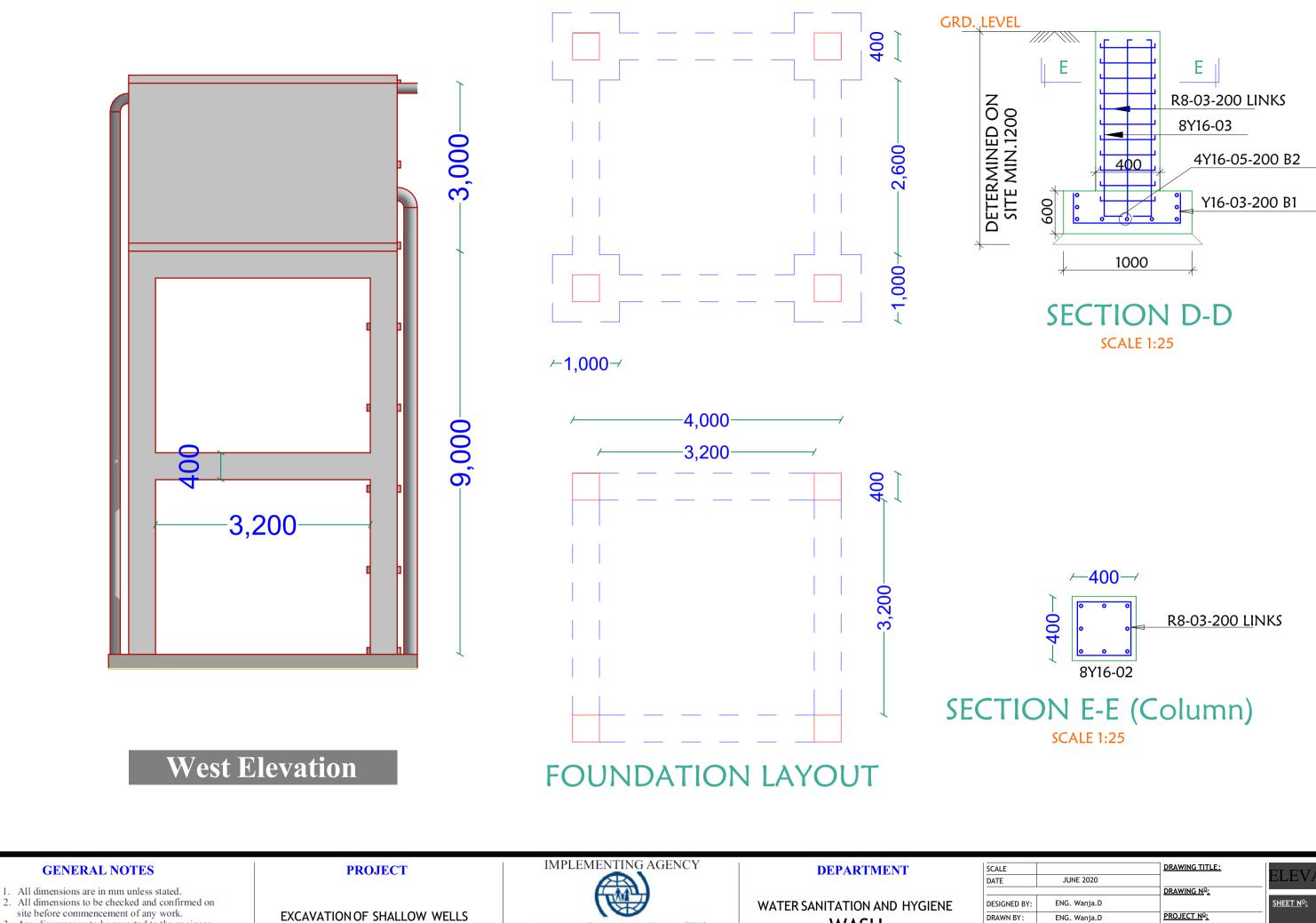


		DRAWING TITLE:	
	JUNE 2020		ELEVATED TANK
		DRAWING N ^o :	
IED BY:	ENG. Wanja.D		<u>SHEET N^o:</u>
NBY:	ENG. Wanja.D	PROJECT Nº:	
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NED BY:	ENG. Wanja.D		<u>SHEET N^o:</u>
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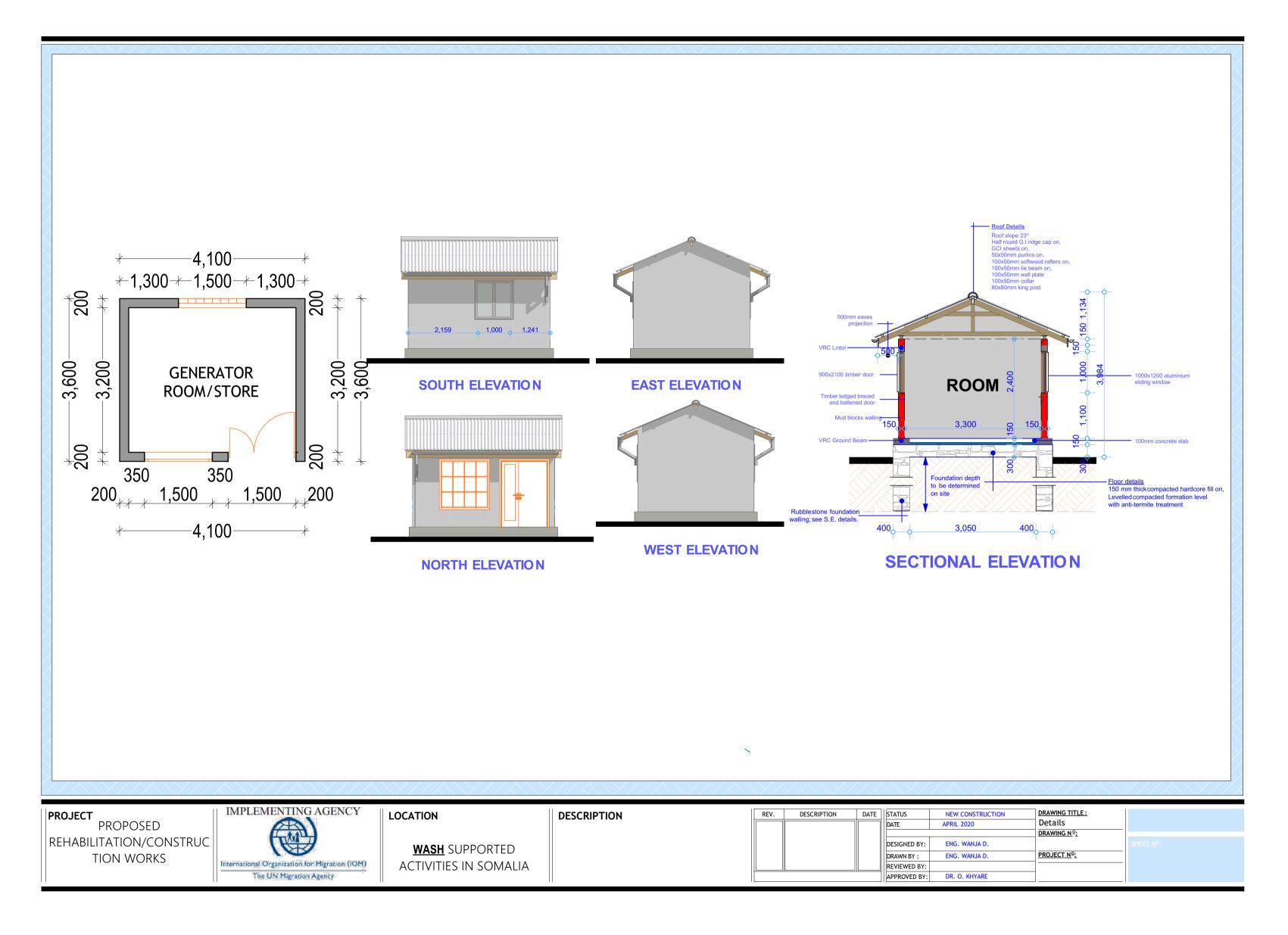
3. Any discrepancy to be reported to the engineer promptly before proceeding.

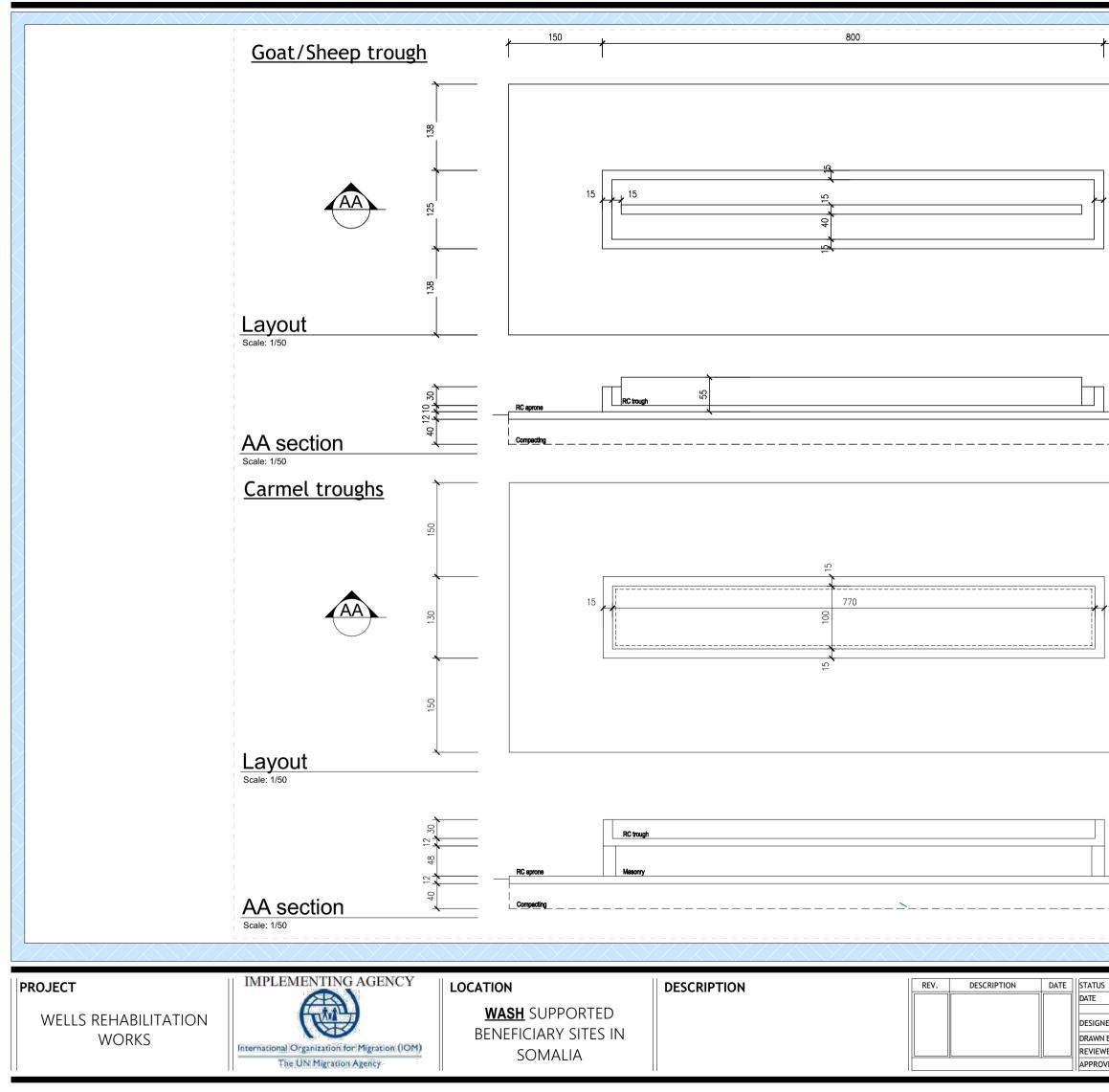
International Organization for Migration (IOM) The UN Migration Agency

WASH

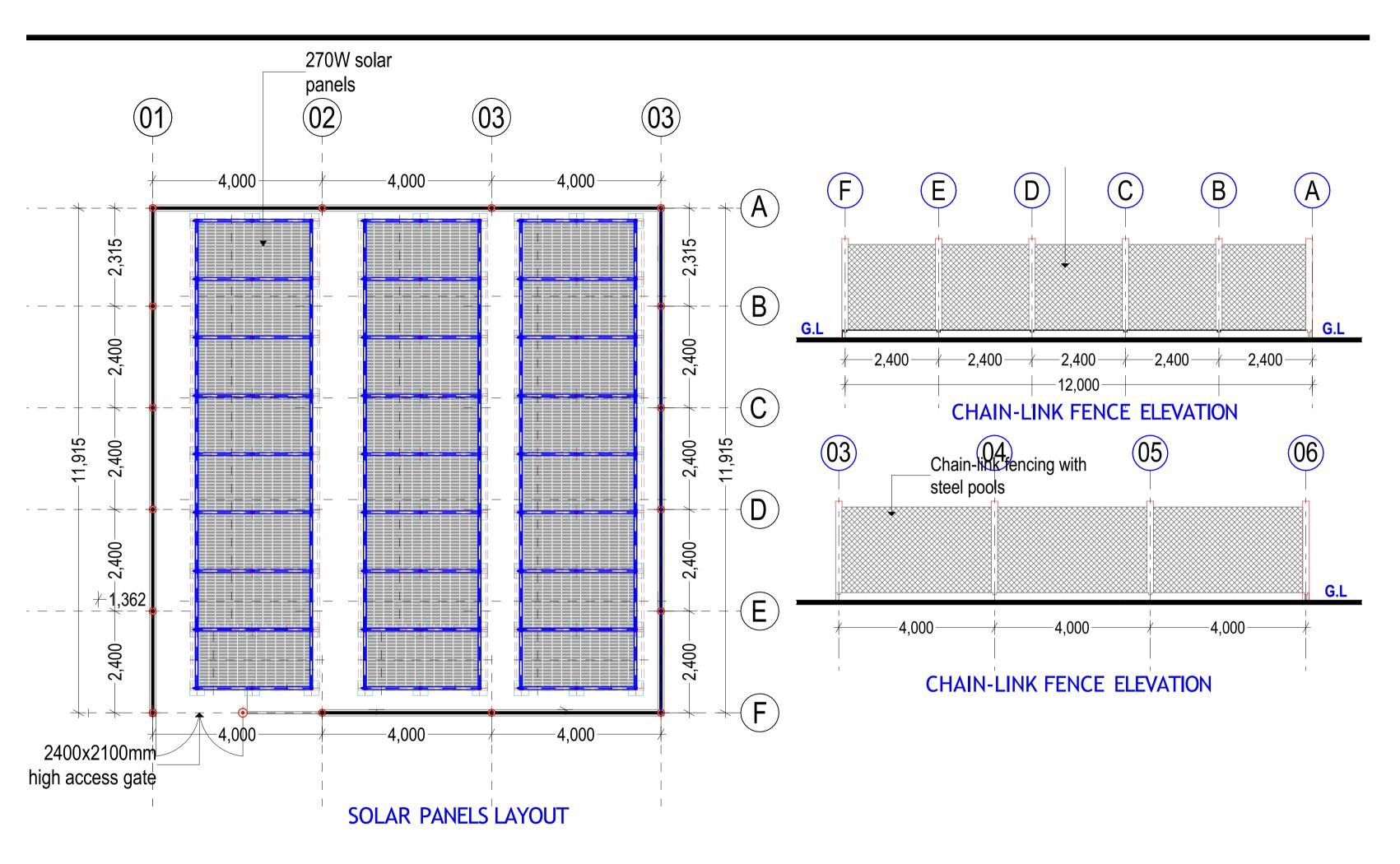
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		DRAWING TITLE:	
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		DRAWING N ^O :	
NED BY:	ENG. Wanja.D		<u>SHEET N^o:</u>
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	DRAWING Nº:	
DESIGNED BY: ENG. WANJA D. DRAWN BY : ENG. WANJA D.	PROJECT Nº:	SHEET N ⁰ :
REVIEWED BY: APPROVED BY: DR. O. KHYARE		





E		DRAWING TITLE :	
	JUNE 2020		SOLAR LAYOUT
		<u>DRAWING N^o:</u>	
GNED BY:	ENG. Wanja.D		<u>SHEET N^o:</u>
VN BY :	ENG. Wanja.D	PROJECT Nº:	
EWED BY:			
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PS2-4000 C-SJ17-4

Solar Submersible Pump System for 6" wells

System Overview

Head Flow rate max. 45 m max. 26 m³/h

Technical Data

Controller PS2-4000

- 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)
- Integrated Sun Sensor

Power	max. 4,0 kW
Input voltage	max. 375 V
Optimum Vmp**	> 238 V
Motor current	max. 14 A
Efficiency	max. 98 %
Ambient temp.	-4050 °C
Enclosure class	IP68

Motor ECDRIVE 4000-C

- Maintenance-free brushless DC motor
- Water filled
- Premium materials, stainless steel: AISI 304/316

 No electronics in the motor 	
Rated power	4,0 kW
Efficiency	max. 92 %
Motor speed	9003 300 rpm
Insulation class	F
Enclosure class	IP68
Submersion	max. 150 m

Pump End PE C-SJ17-4

- Non-return valve
- Premium materials, stainless steel: AISI 304
- Optional: dry running protection
- Centrifugal pump

Pump Unit PU4000 C-SJ17-4 (Motor, Pump End)

Borehole diameter Water temperature min. 6,0 in max. 50 °C

Standards



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

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/m² 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





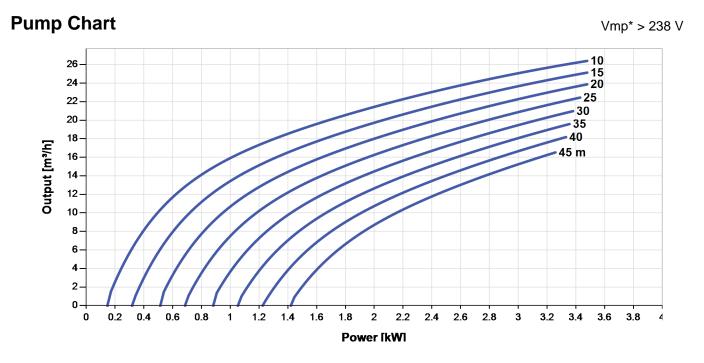
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All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations.

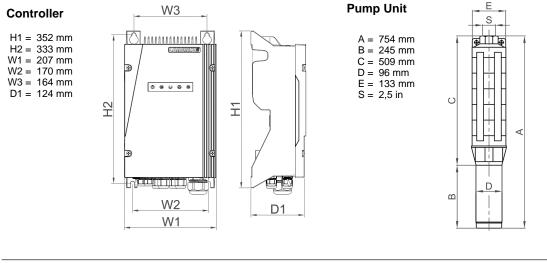


PS2-4000 C-SJ17-4

Solar Submersible Pump System for 6" wells



Dimensions and Weights



	Net weight
Controller	6,1 kg
Pump Unit	21 kg
Motor	10 kg
Pump End	11 kg

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

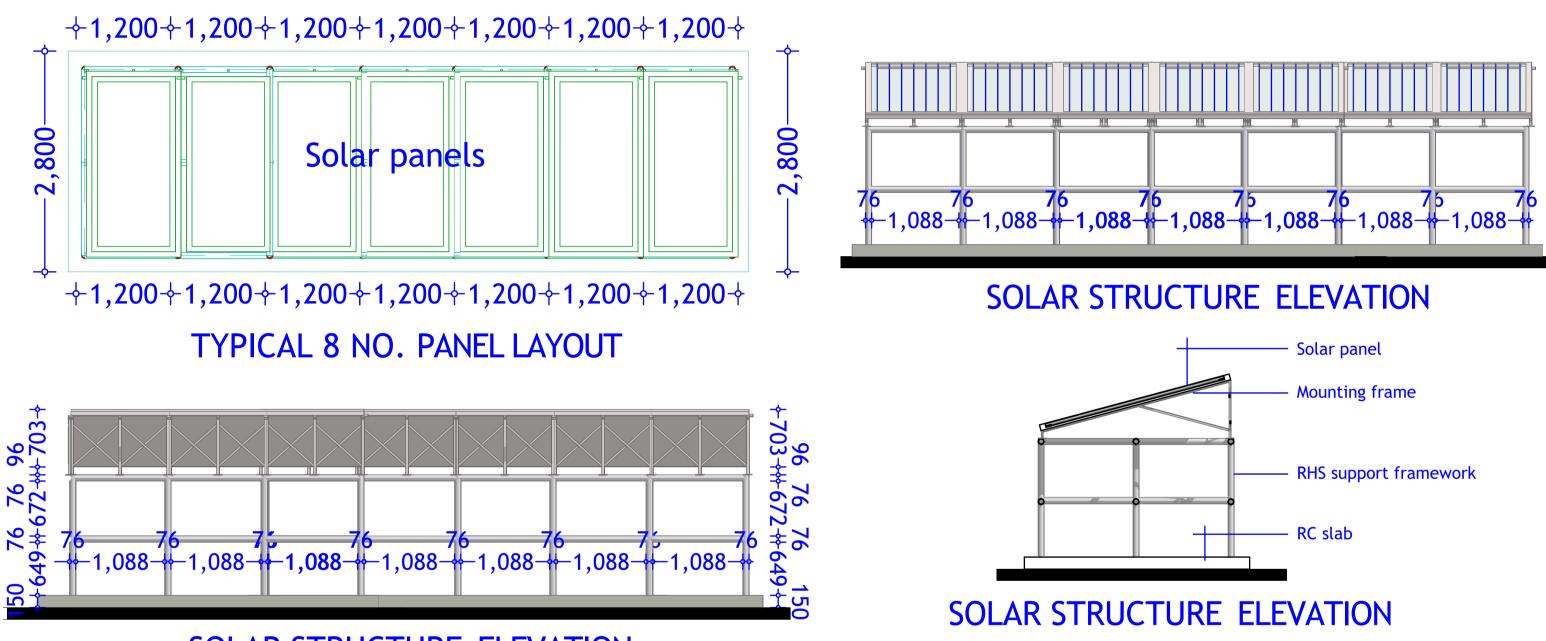
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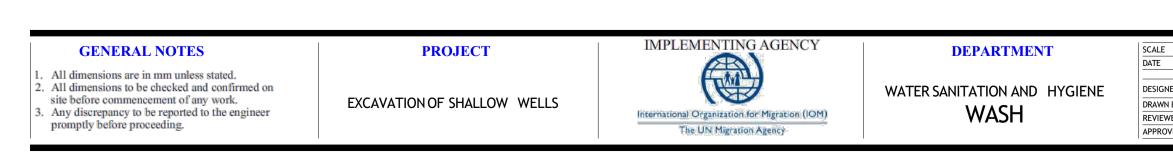
Sun. Water. Life.

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SOLAR STRUCTURE ELEVATION



		DRAWING TITLE:	S.STRUCTURE
	JUNE 2020		DETAILS
		<u>DRAWING N^o:</u>	
IED BY:	ENG. Wanja.D		<u>Sheet nº:</u>
BY:	ENG. Wanja.D	PROJECT Nº:	
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