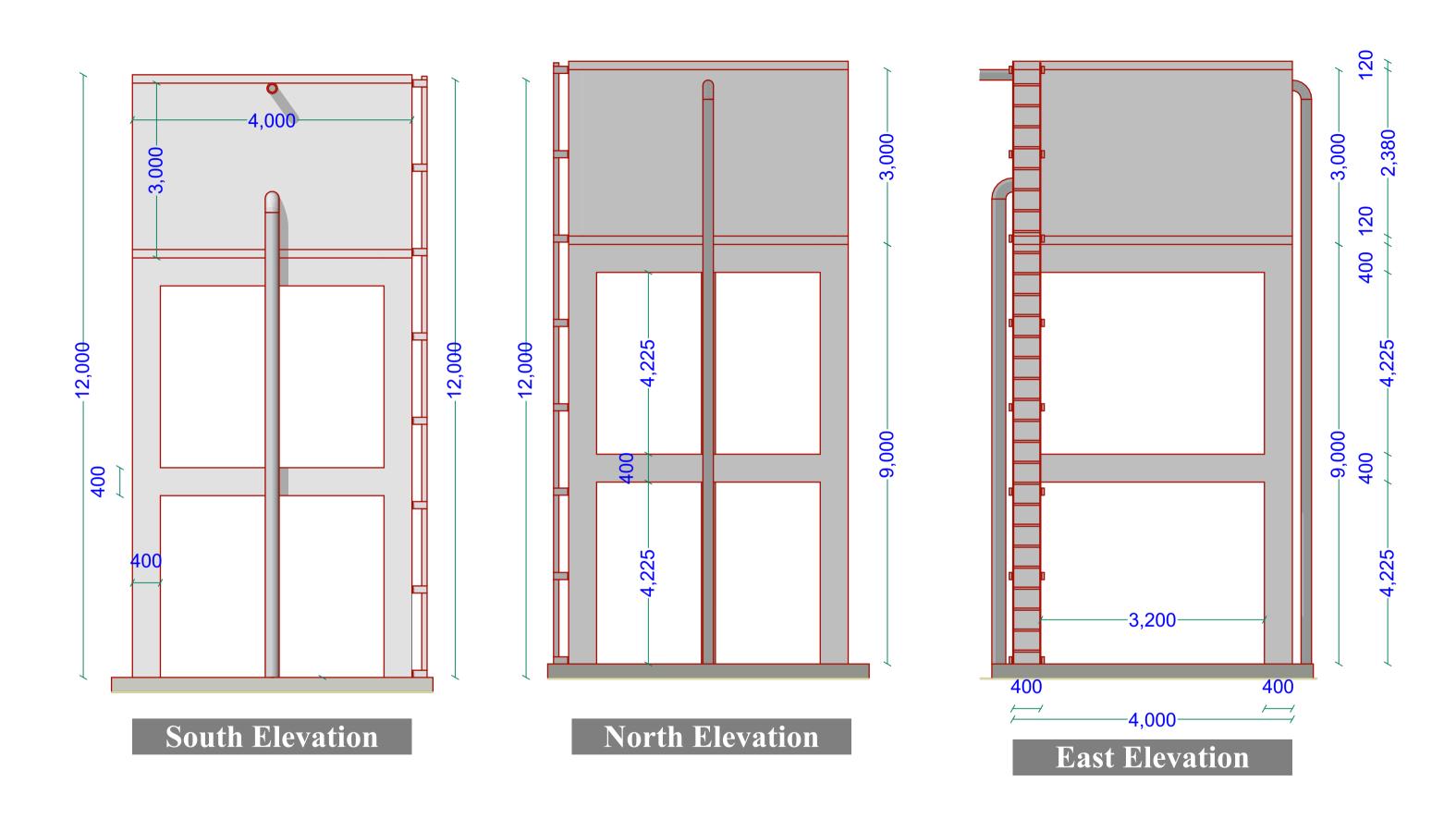
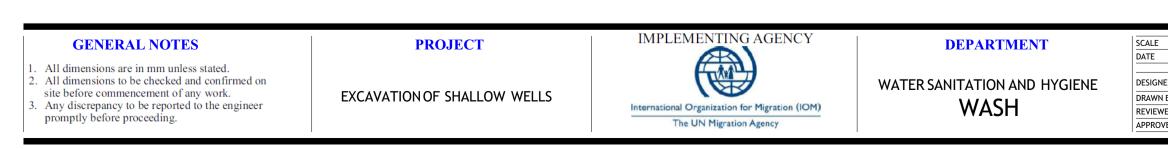


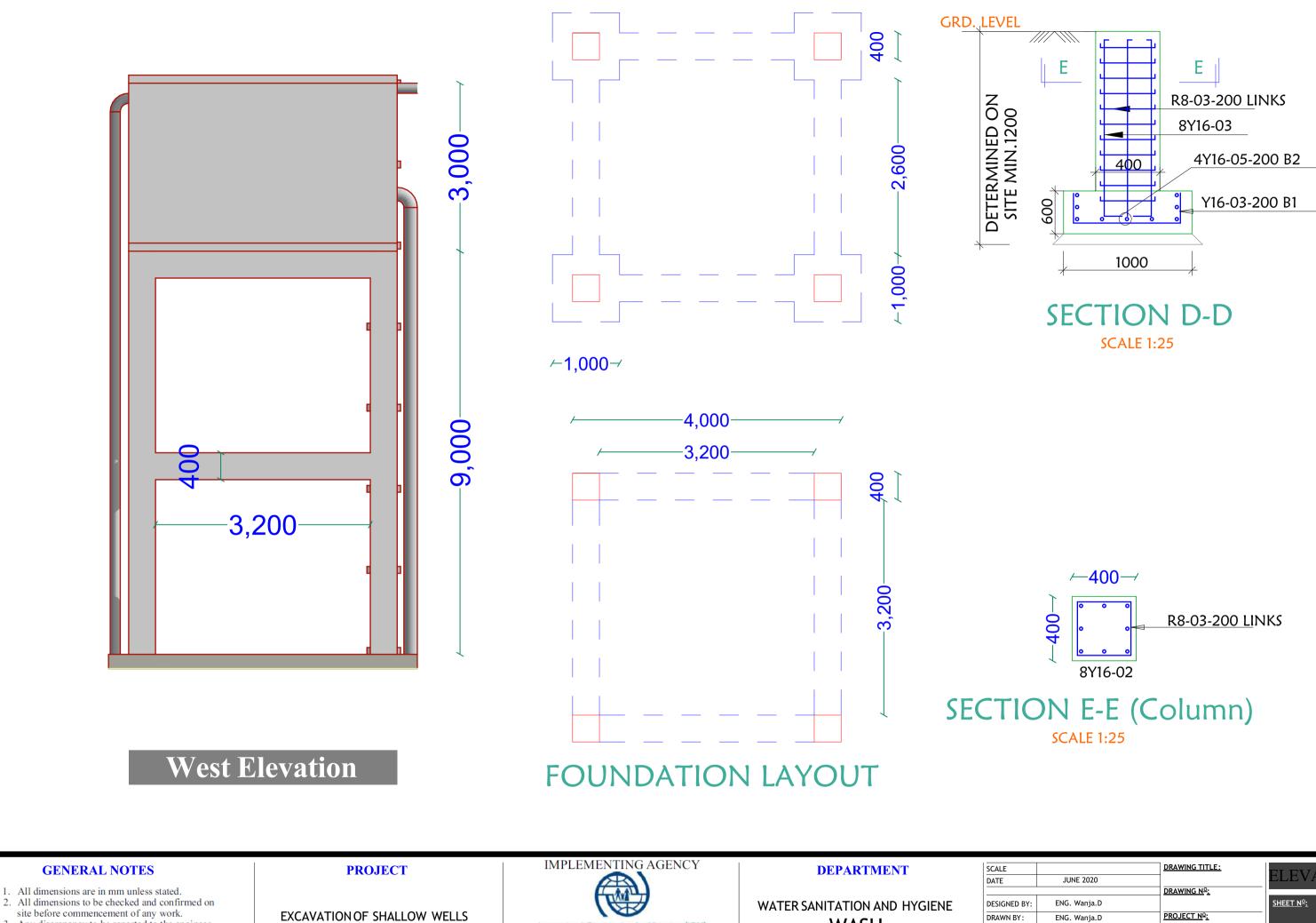


| | | DRAWING TITLE: | |
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| | JUNE 2020 | | ELEVATED TANK |
| | | DRAWING N ^o : | |
| IED BY: | ENG. Wanja.D | | <u>SHEET N^o:</u> |
| NBY: | ENG. Wanja.D | PROJECT Nº: | |
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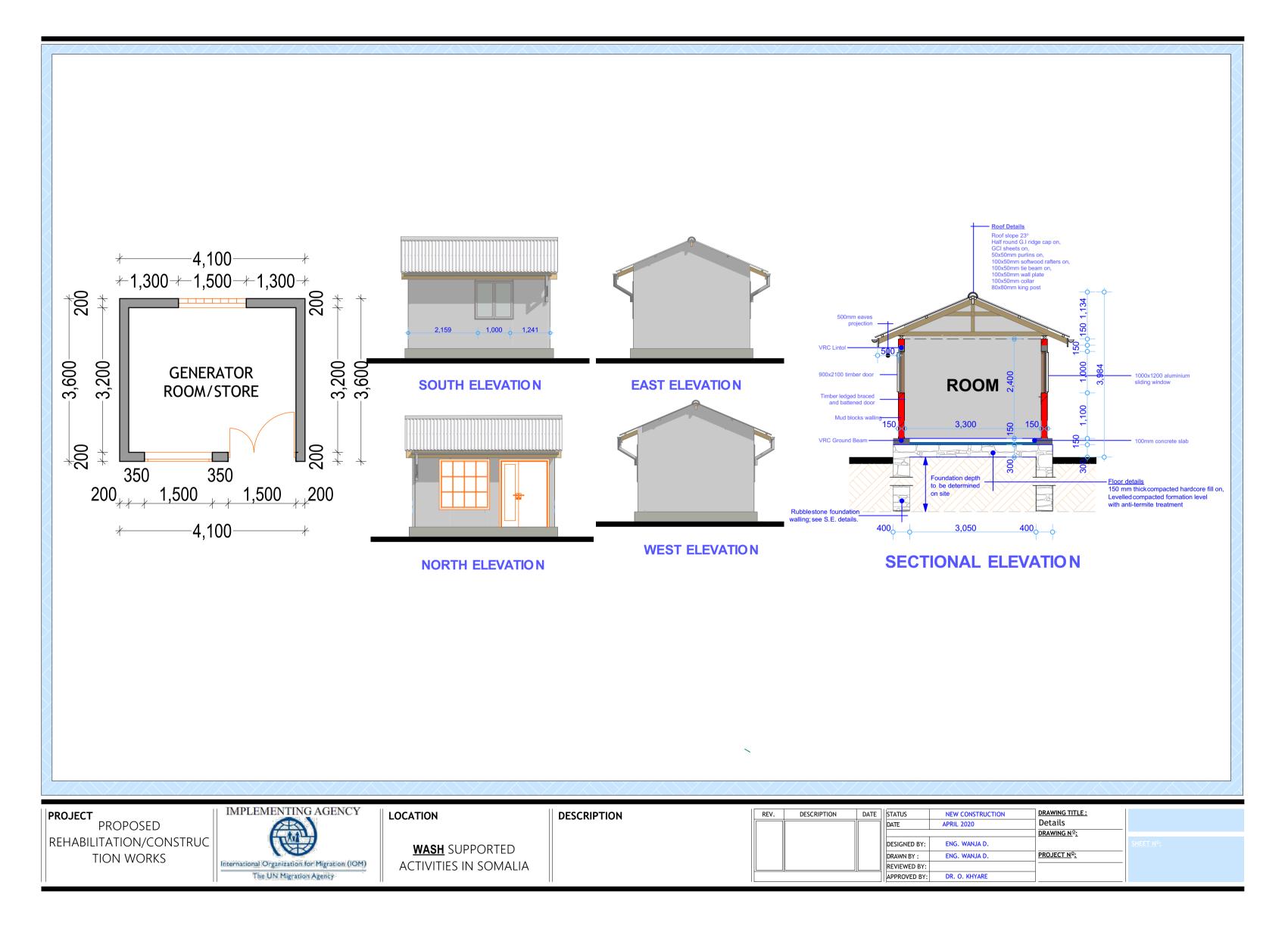
3. Any discrepancy to be reported to the engineer promptly before proceeding.

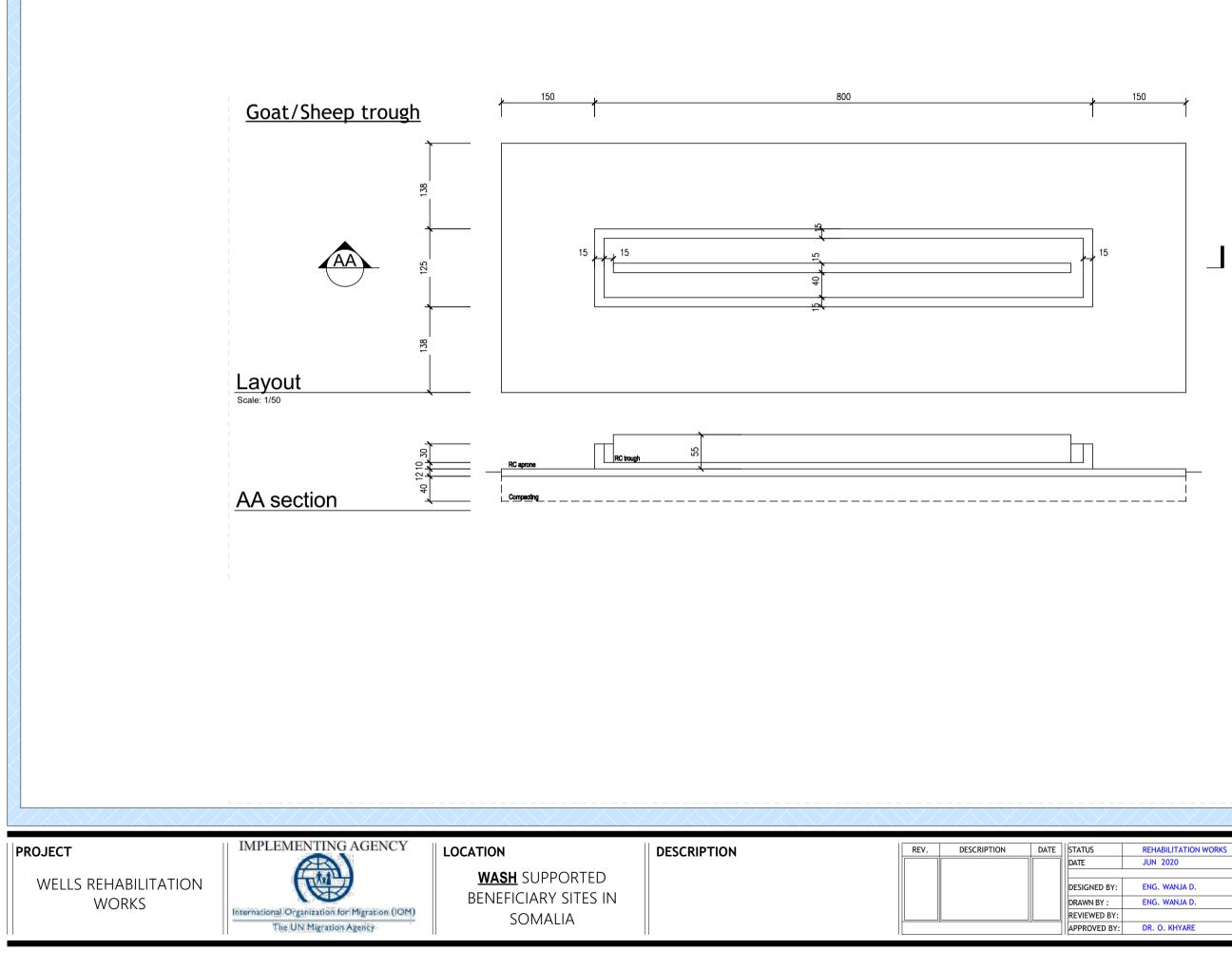
International Organization for Migration (IOM) The UN Migration Agency

WASH

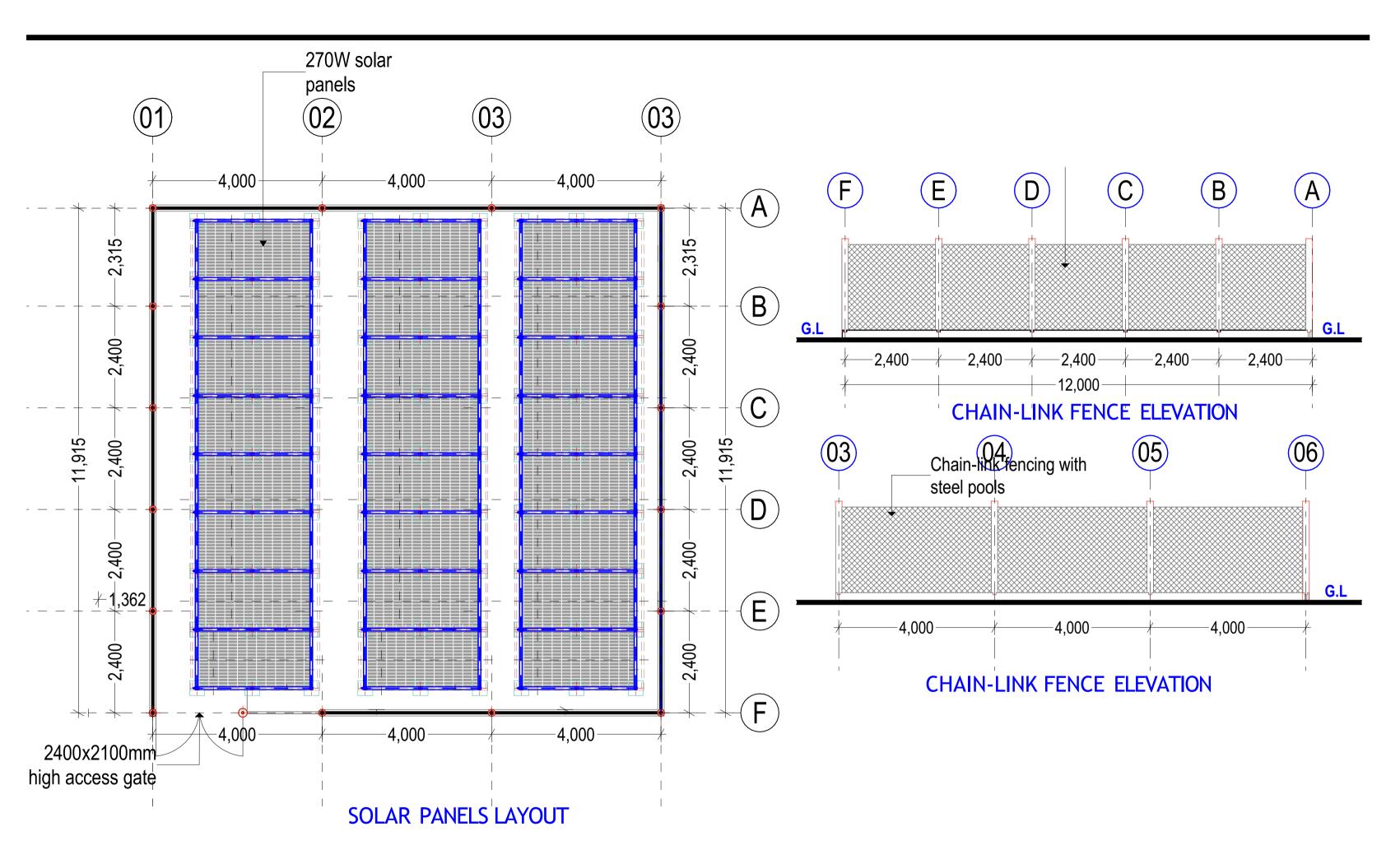
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| | JUNE 2020 | | ELEVATED TANK |
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| NED BY: | ENG. Wanja.D | | <u>SHEET N^o:</u> |
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| | REHABILITATION WORKS | DRAWING TITLE : | |
|---------|----------------------|--------------------------|-----------------------------|
| | JUN 2020 | Details | BOREHOLES |
| | | DRAWING Nº: | |
| ED BY: | ENG. WANJA D. | | <u>SHEET N^O:</u> |
| BY: | ENG. WANJA D. | PROJECT N ^o : | |
| ED BY: | | | |
| /ED BY: | DR. O. KHYARE | | |
| | | | |





| E | | DRAWING TITLE : | |
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| | 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: | | | |
| ROVED 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





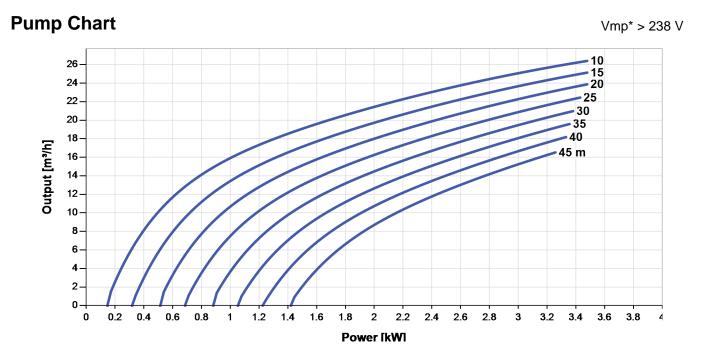
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All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations.

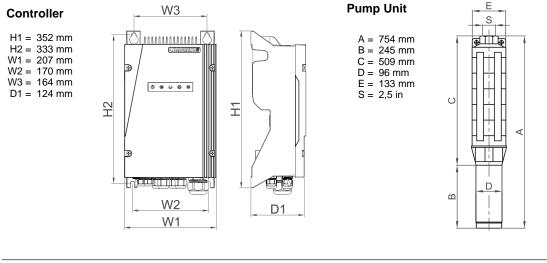


PS2-4000 C-SJ17-4

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

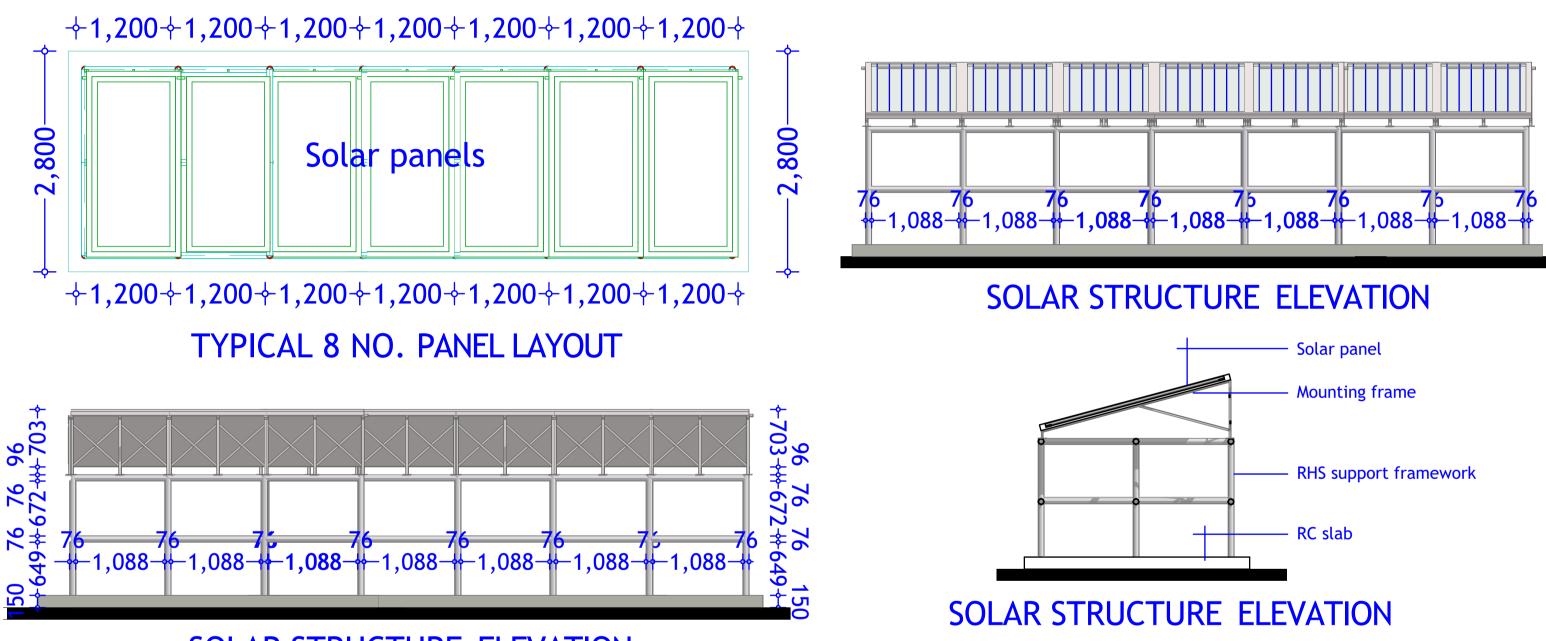
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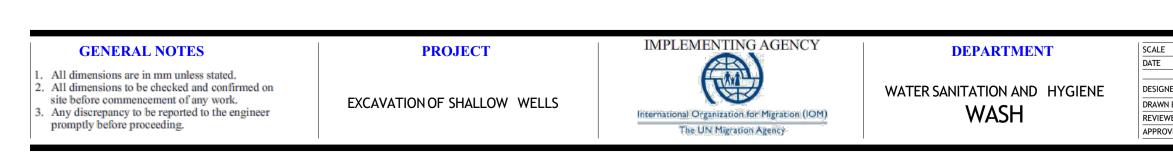
Sun. Water. Life.

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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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