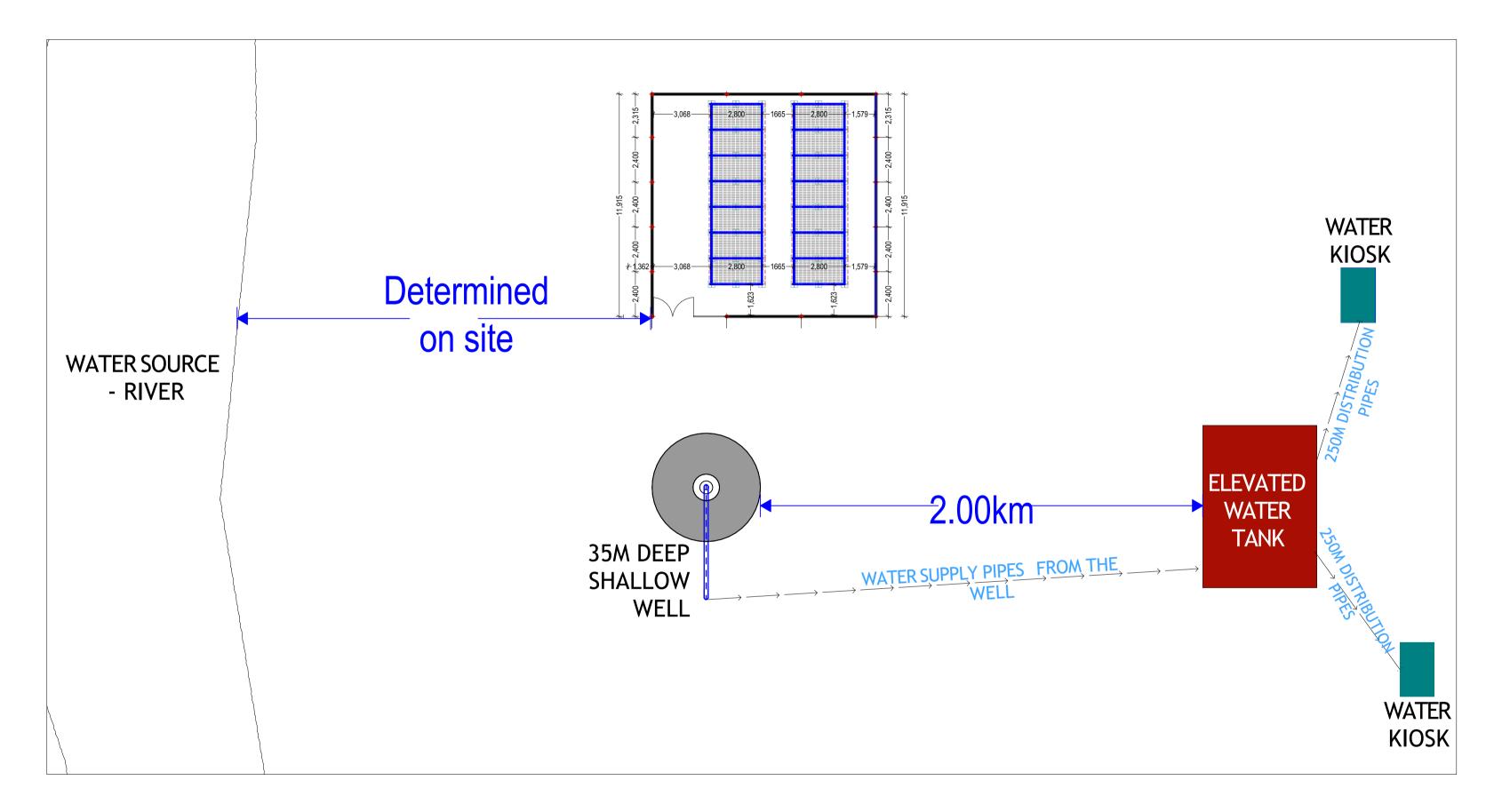
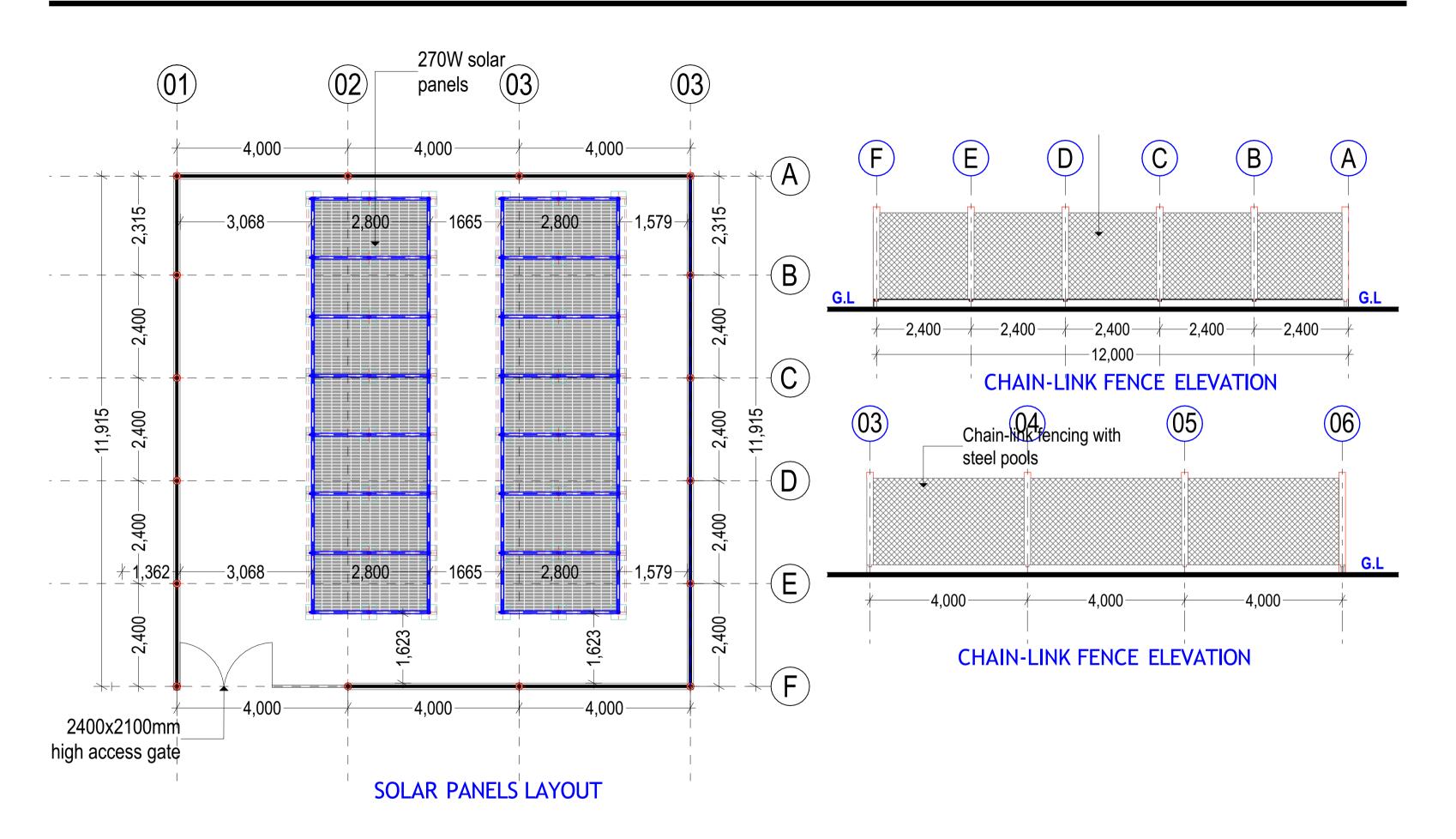


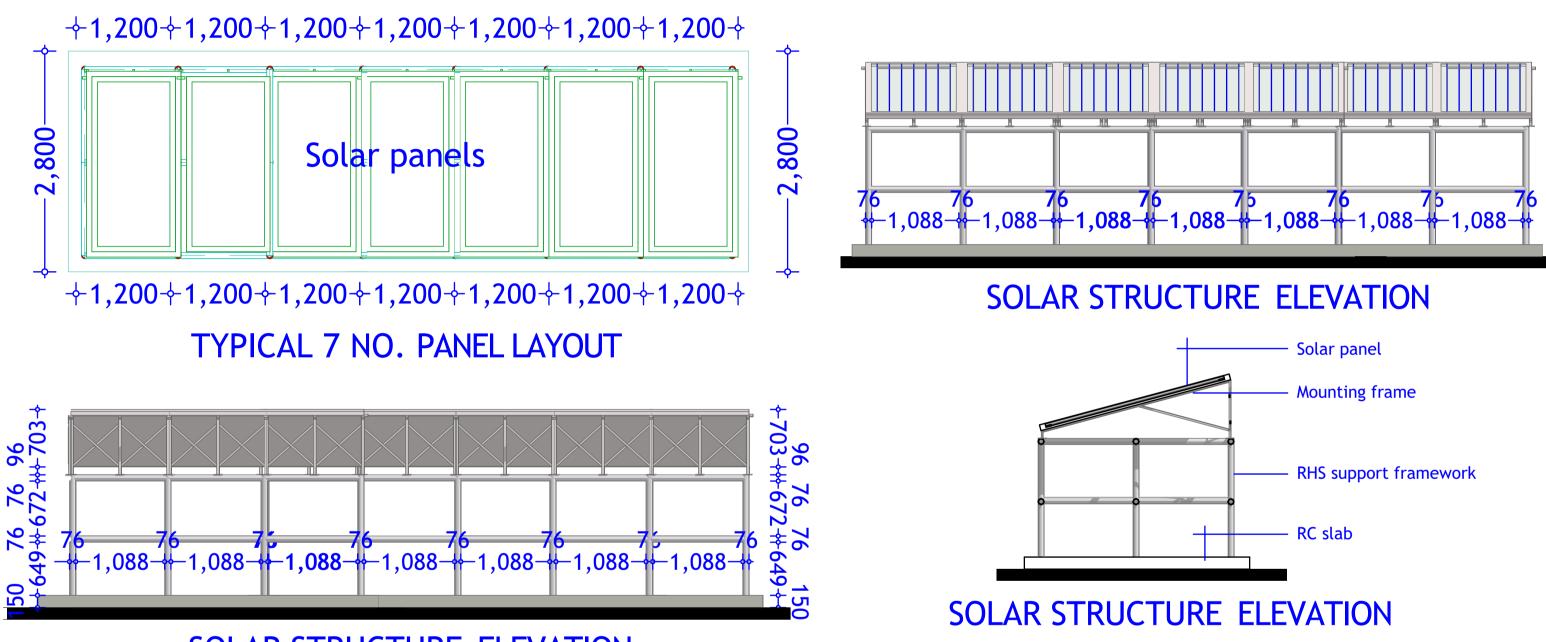
CONSTRUCTION OF MOTORIZED SHALLOW WELL -GARMADOW SETTLEMENT -LUUQ DISTRICT-JUBALAND STATE



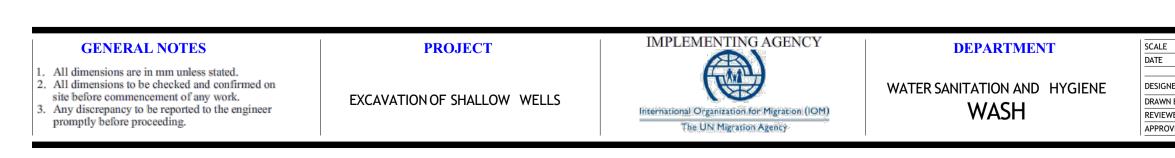
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| . All dimensions are in mm unless stated. | | | | DATE | NOV 2020 | DRAWING Nº: | SITE PLAN |
| 2. All dimensions to be checked and confirmed on | | | WATER SANITATION AND HYGIENE | DESIGNED BY: | ENG. Wanja.D | | <u>Sheet nº:</u> |
| site before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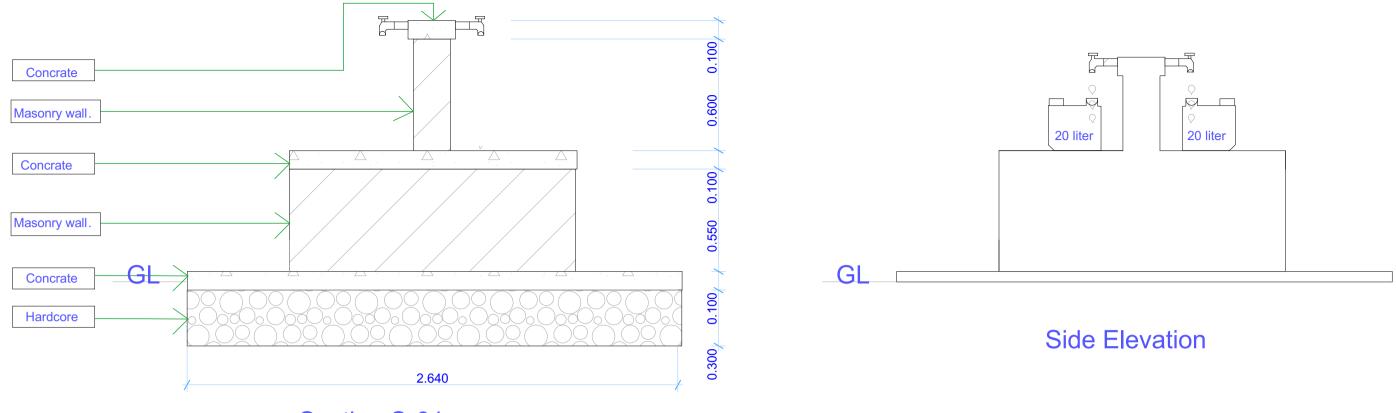
| GENERAL NOTES | PROJECT | IMPLEMENTING AGENCY | DEPARTMENT | SCALE | | DRAWING TITLE: | |
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| | | | | DATE | JUNE 2020 | | SOLAR LAYOUT |
| All dimensions are in mm unless stated. | | | | | | DRAWING Nº: | |
| 2. All dimensions to be checked and confirmed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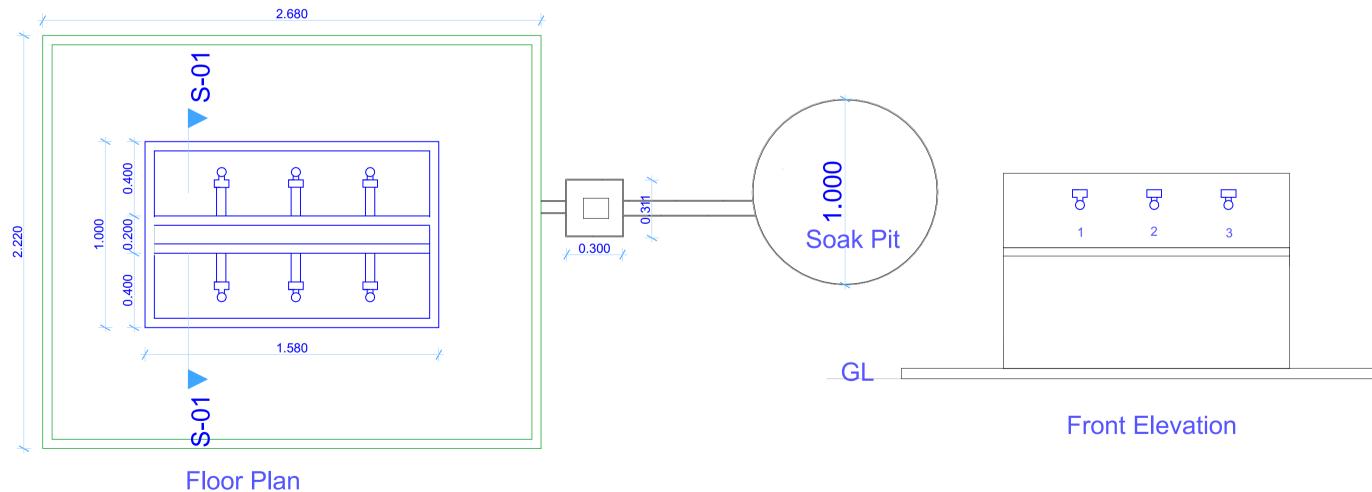
SOLAR STRUCTURE ELEVATION



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| | | DRAWING TITLE: | S.STRUCTURE |
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Section S-01



GENERAL NOTES

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EXCAVATION OF SHALLOW WELLS

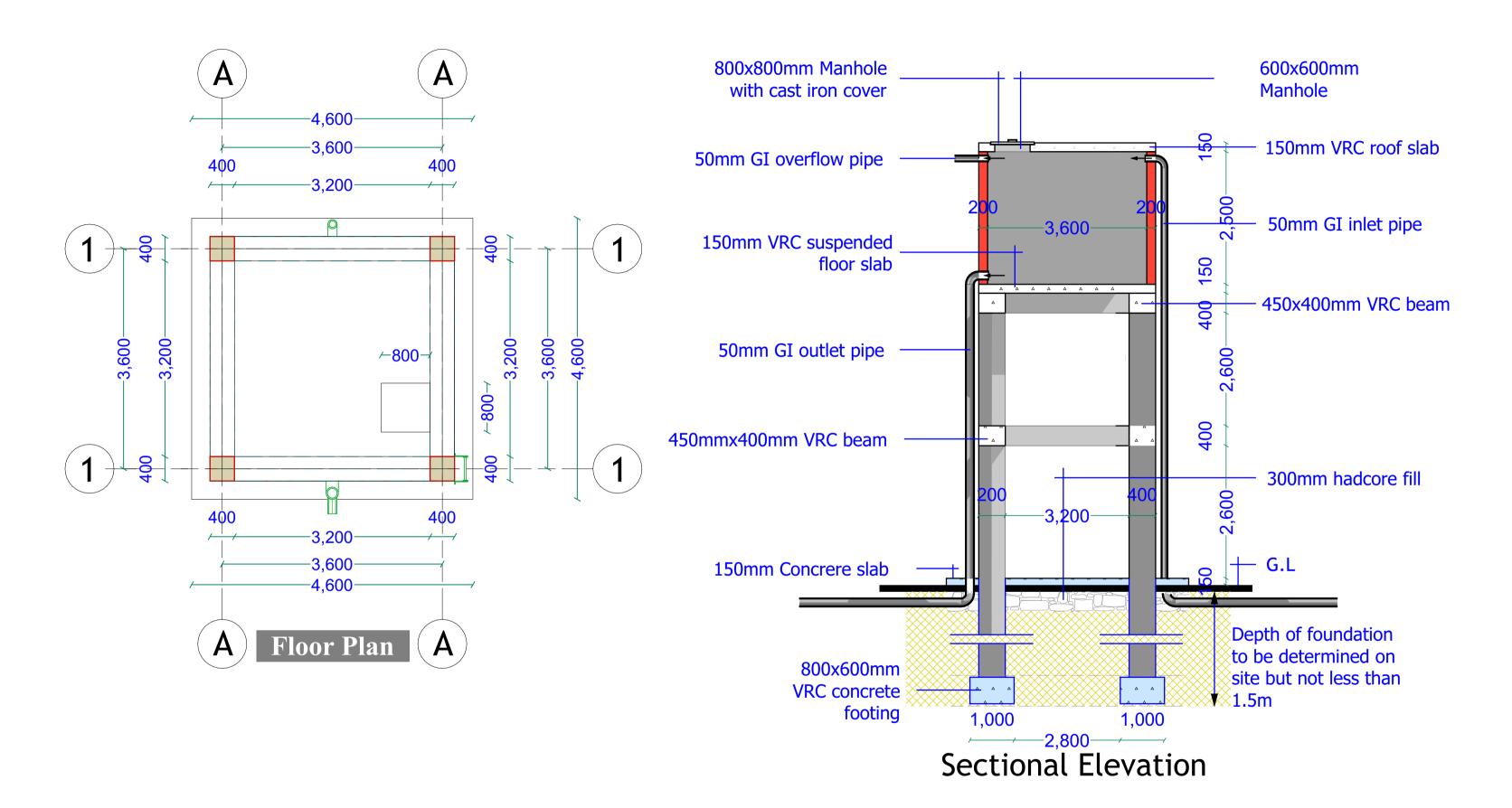
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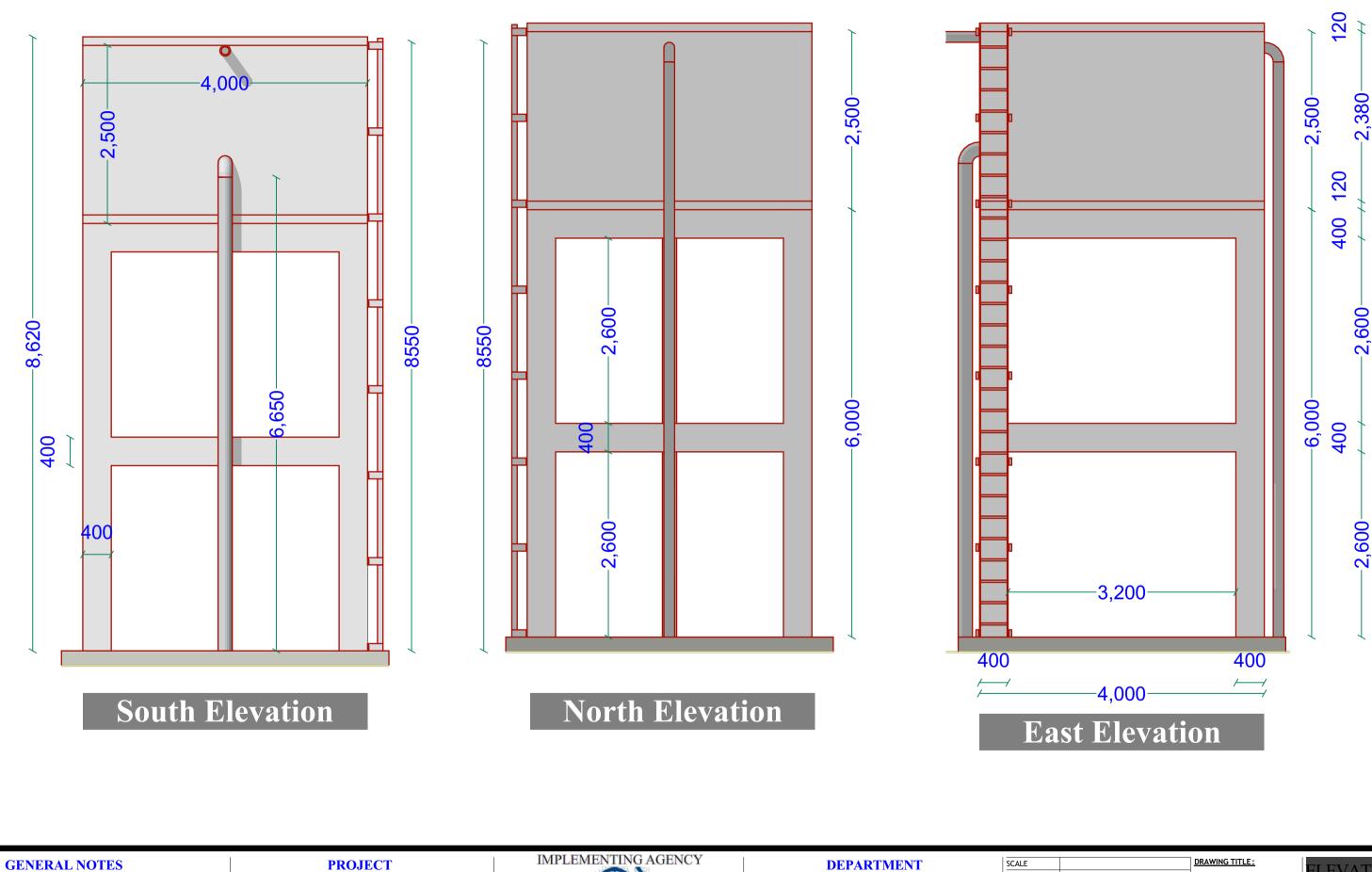




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EXCAVATION OF SHALLOW WELLS

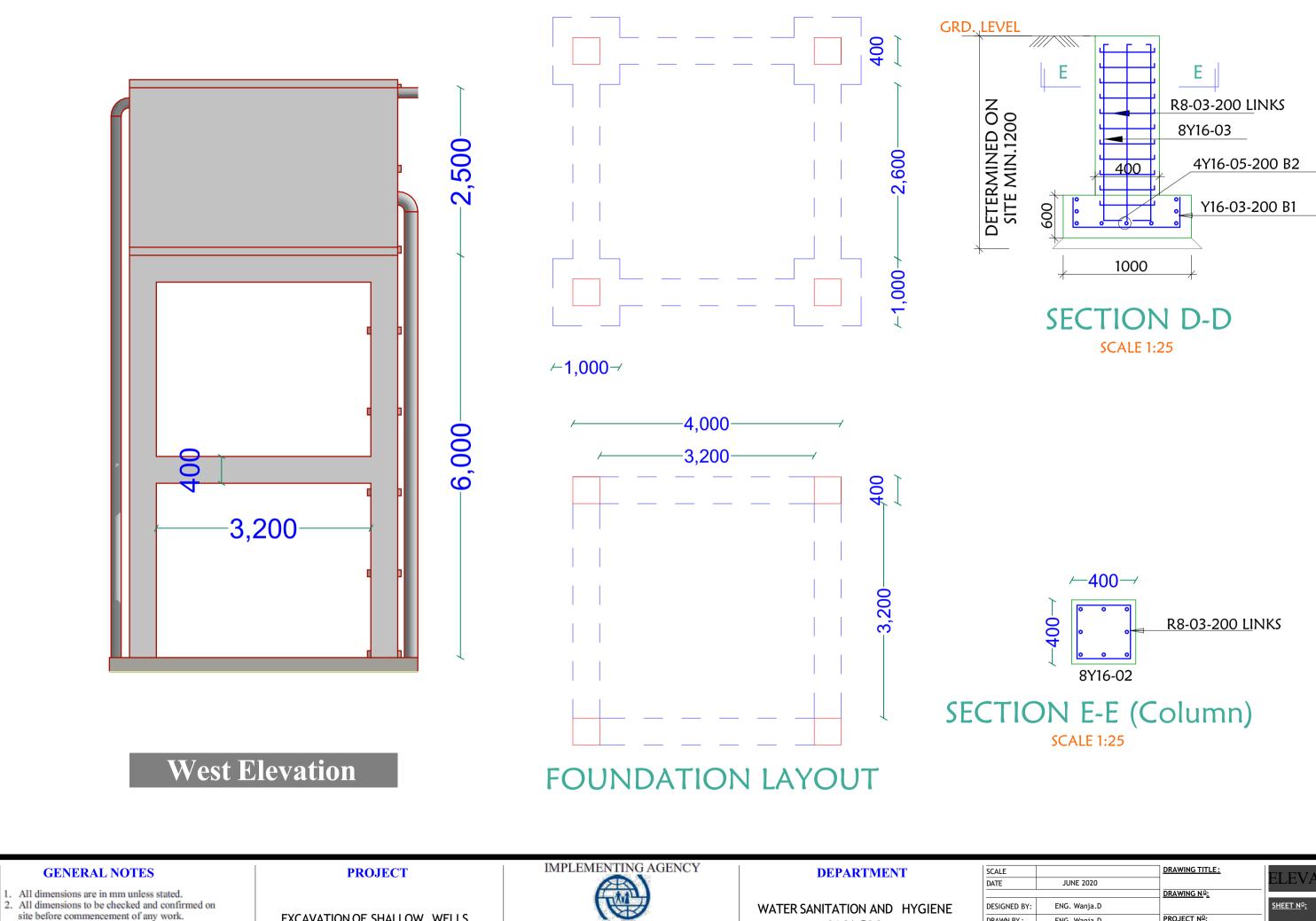
PROJECT

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

WATER SANITATION AND HYGIENE WASH



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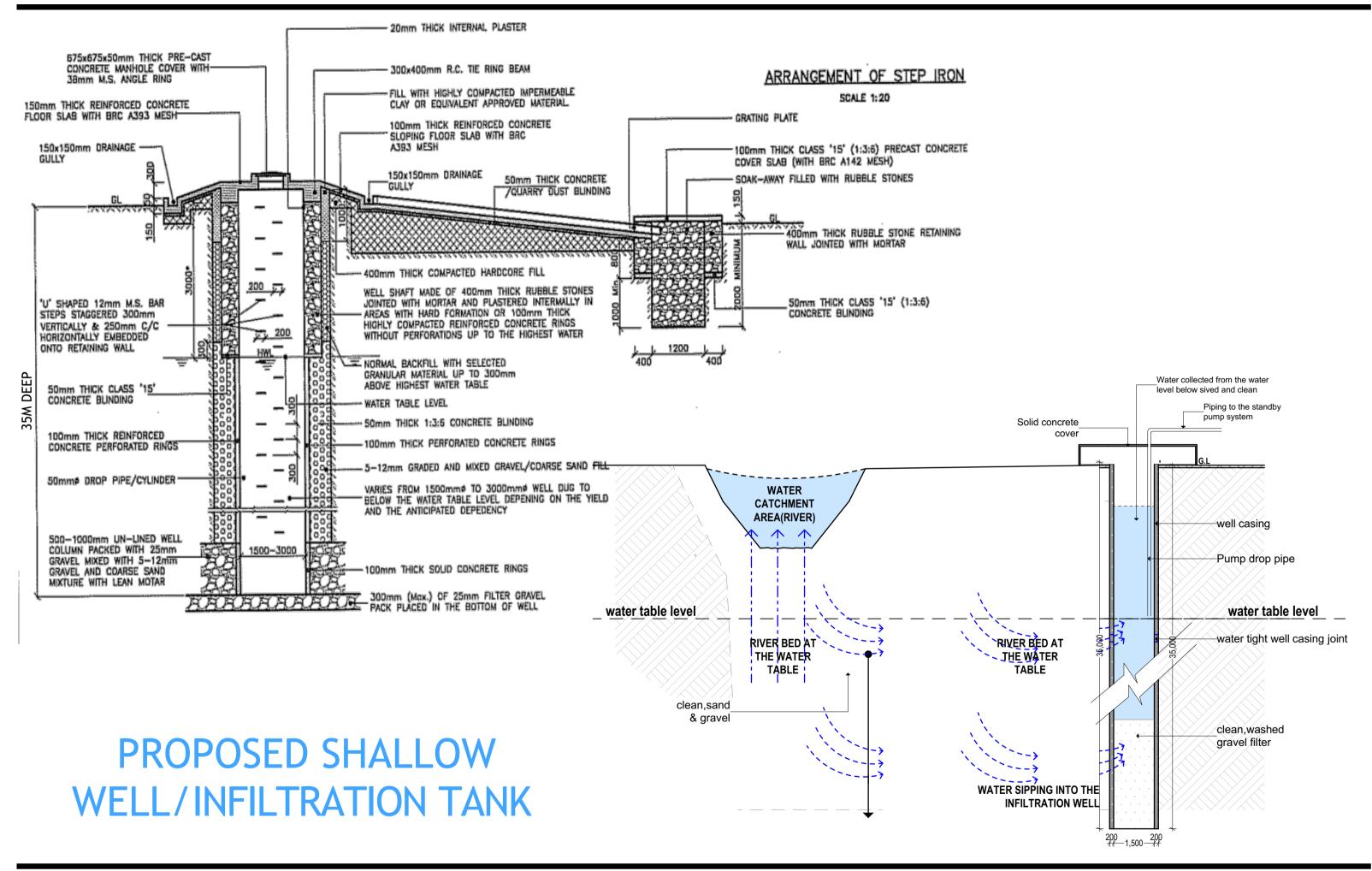
EXCAVATION OF SHALLOW WELLS

International Organization for Migration (IOM) The UN Migration Agency

WASH

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PROJECT

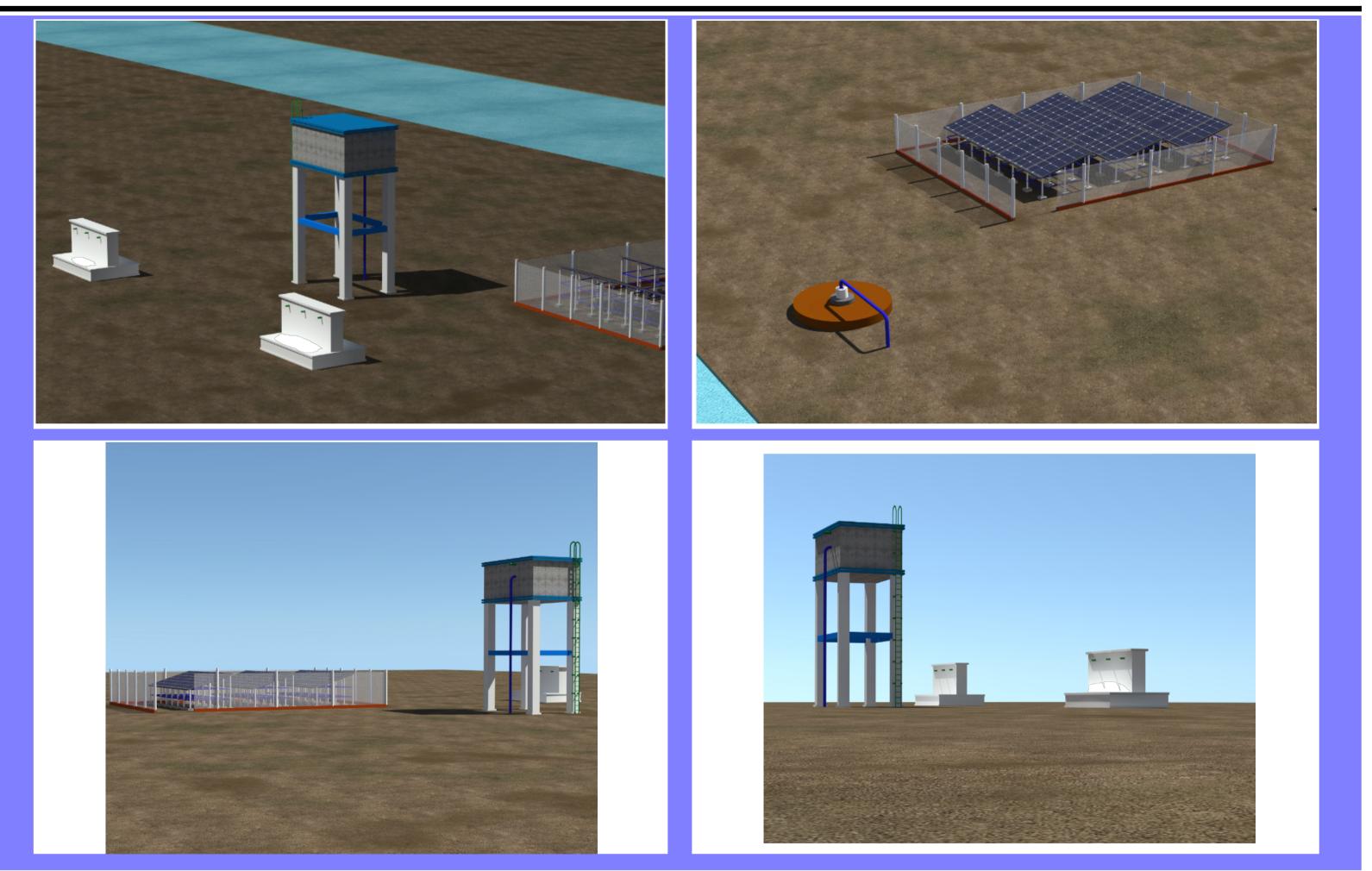
EXCAVATION OF SHALLOW WELLS



WATER SANITATION AND HYGIENE WASH

DEPARTMENT

| SCALE | | DRAWING TITLE: | |
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| DATE | JUNE 2020 | | SHALLOW WELL |
| | | DRAWING N ^O : | |
| DESIGNED BY: | ENG. Wanja.D | | <u>SHEET N^o:</u> |
| DRAWN BY : | ENG. Wanja.D | PROJECT Nº: | |
| REVIEWED BY: | | | |
| APPROVED BY: | | | |



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PROJECT

EXCAVATION OF SHALLOW WELLS



WATER SANITATION AND HYGIENE WASH

DEPARTMENT



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| | | DRAWING N ^o : | |
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| BY: | ENG. Wanja.D | PROJECT Nº: | |
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LORENTZ³

PS2-1800 C-SJ8-7

Solar Submersible Pump System for 4" wells

System Overview

Head Flow rate

max. 40 m max. 13 m³/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/m² solar irradiance, 25 °C cell temperature

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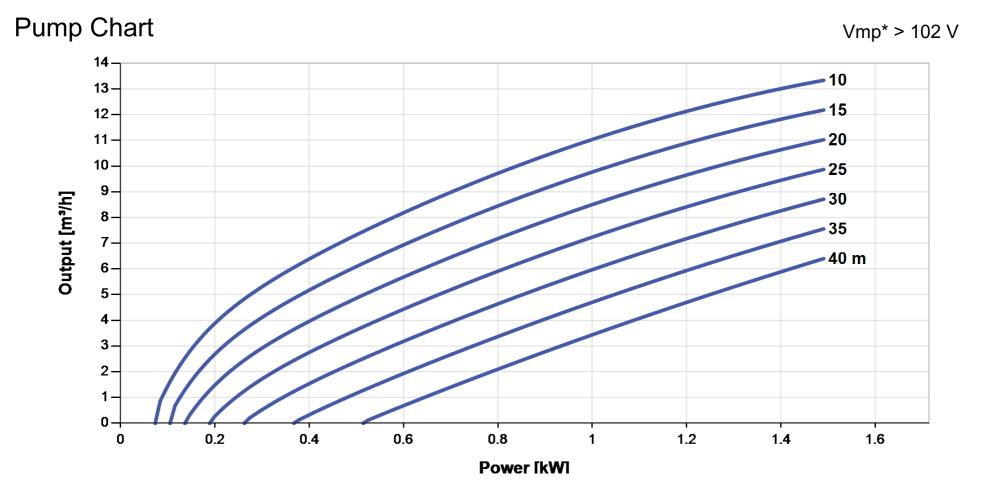


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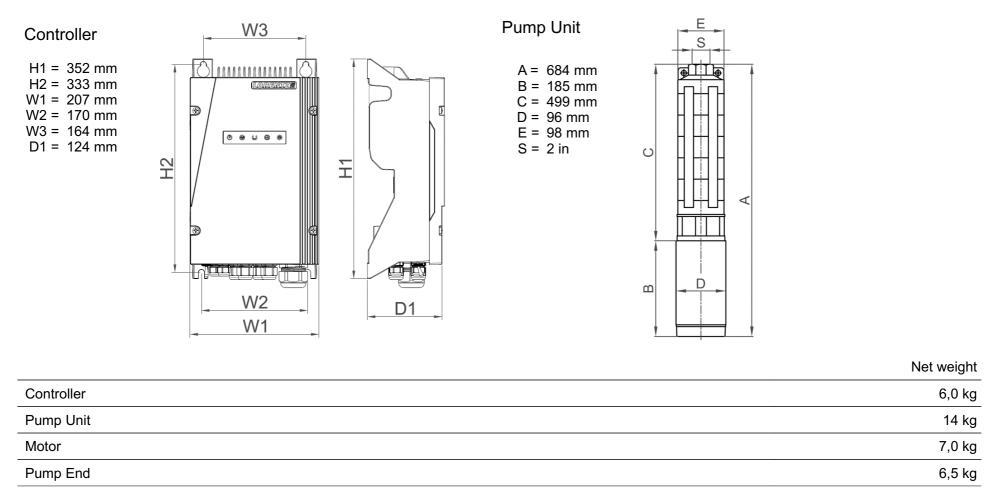


PS2-1800 C-SJ8-7

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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Sun. Water. Life.

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