



Organization For Afghan Woman Capacity and Knowledge (OAWCK)

PROVINCE

Balkh

DISTRICT

Kushandi and Zari

VILLAGE

Concern Villages as per Contract

PROJECT NAME

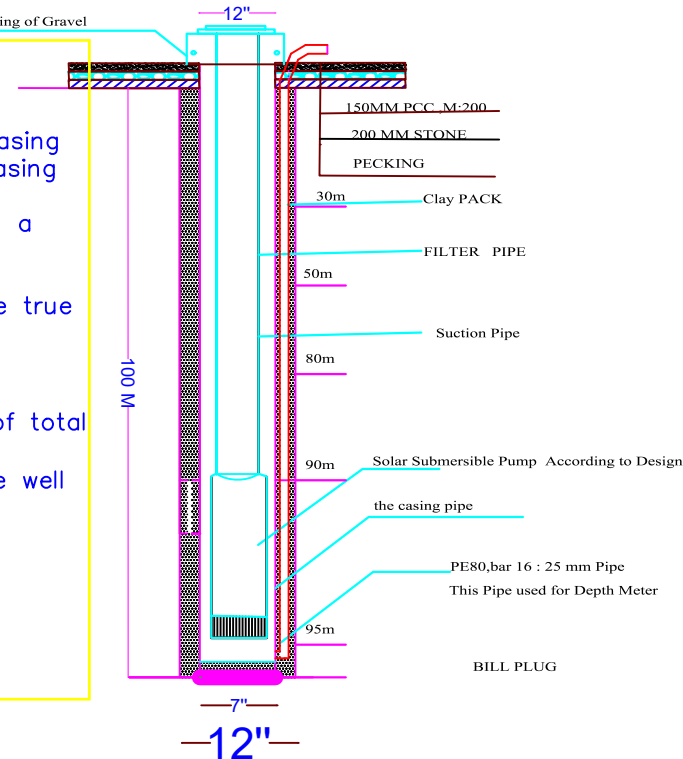
Water Supply Project Complete Drawing (Solar Power & Gravity System)

Water Well Section

Notes:

- 1-Well Designed by WASH Department.
- 2-The working pressure for pipes and valves will be 20 bar (290 PSI)
- 3-if the ground stratum is made of bed rocks it no need for installation of casing pipes if the stratum is made of loss soil if should be stabilized installation casing pipes.
- 4-Each drilled strata depth should be noted and soil sample should be kept in a sample box separately.
- 5-Step-Drawdown test or Water pump test for 8 hours.
- 6-the depth of filter pipe has considered based on the previous experience the true depth will be determined after well practical drilling .
- A"Supply and installation of PVC casing pipe Class E , Dia 7"
- B Supply and installation of Filter pipe PVC (Screen) Class =E
- C:inch dia . Total area for filter pipe openings should not be more than 25% of total area. (PVC quality test result is required)
- 7-The water pump will be installed at least 5 meters above the bottom of the well
- 8-Boring a well with 12" inch
- 9-Deep of well 100
- 10- top of well will be have iron Cover Box 60X60 cm
- 11- The size of Gravel Packing (3-6) mm
the exact size will be declared after boring
and well Hydrological Calculations. the Gravel
Should be clean and technical acceptable .

GI Pipe 2 inch for pouring of Gravel



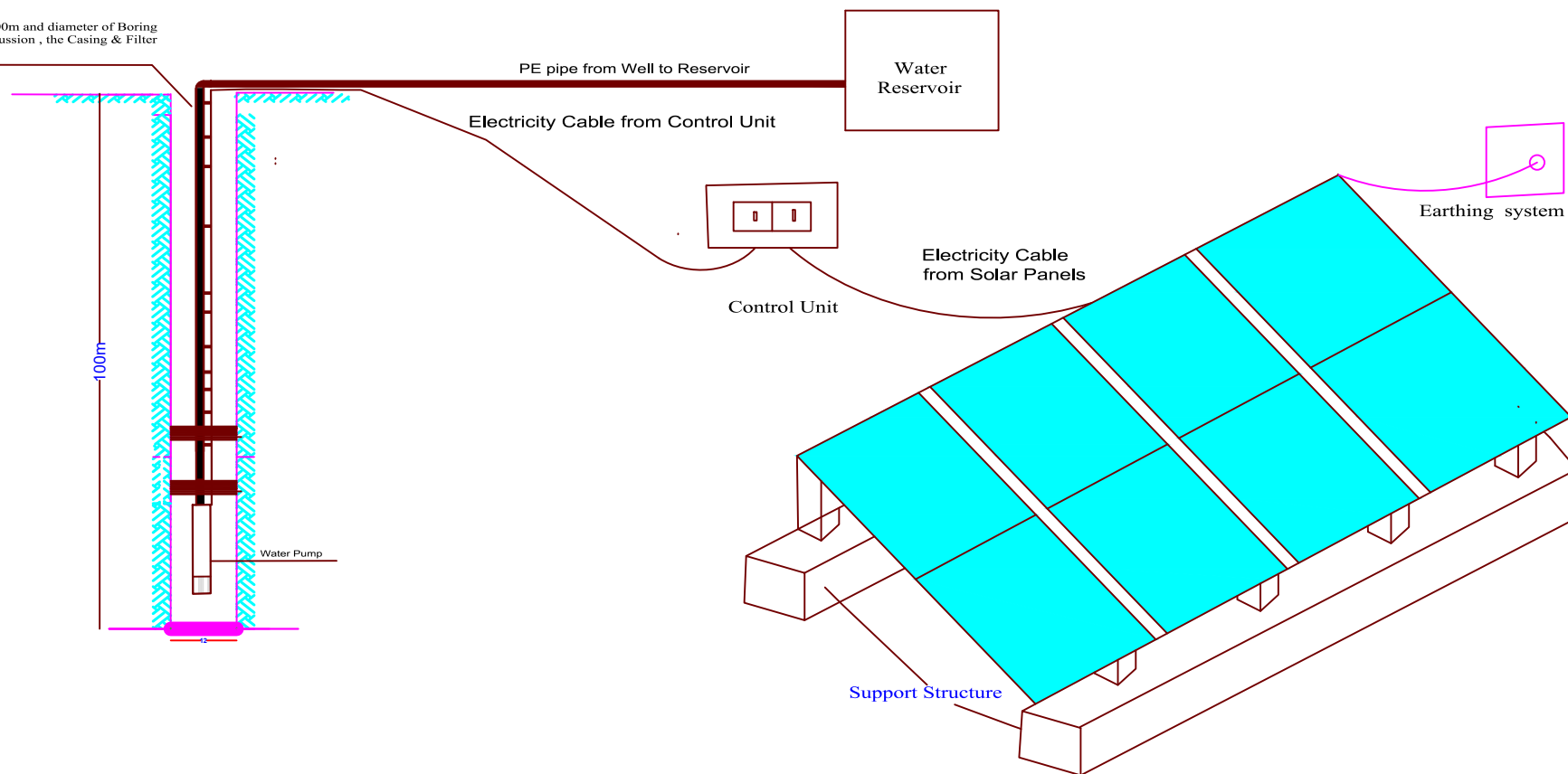
| No | Surveyed by : | OAWCK Engineering Team |
|----|---------------|------------------------|
| 1 | Designed by: | OAWCK Engineering Team |
| 2 | Drawn by: | OAWCK Engineering Team |
| 3 | Check by | Haji M.Zaman Safi |

Organization for Afghan Woman
Capacity and Knowledge (OAWCK)

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|-------------|------|------------|--------------------|-----------------------------------|
| Scale: | | Province | Balkh | Project name: AHF/WASH Project |
| Date: | 2023 | District : | Kushandi and Hazar | |
| Drawing No: | | Village | | Drawing Title: Water Well Section |

Typical Site Plan of Solar Pump System

the Depth of well 100m and diameter of Boring will be 12 inch Percussion , the Casing & Filter Should be 7 inch

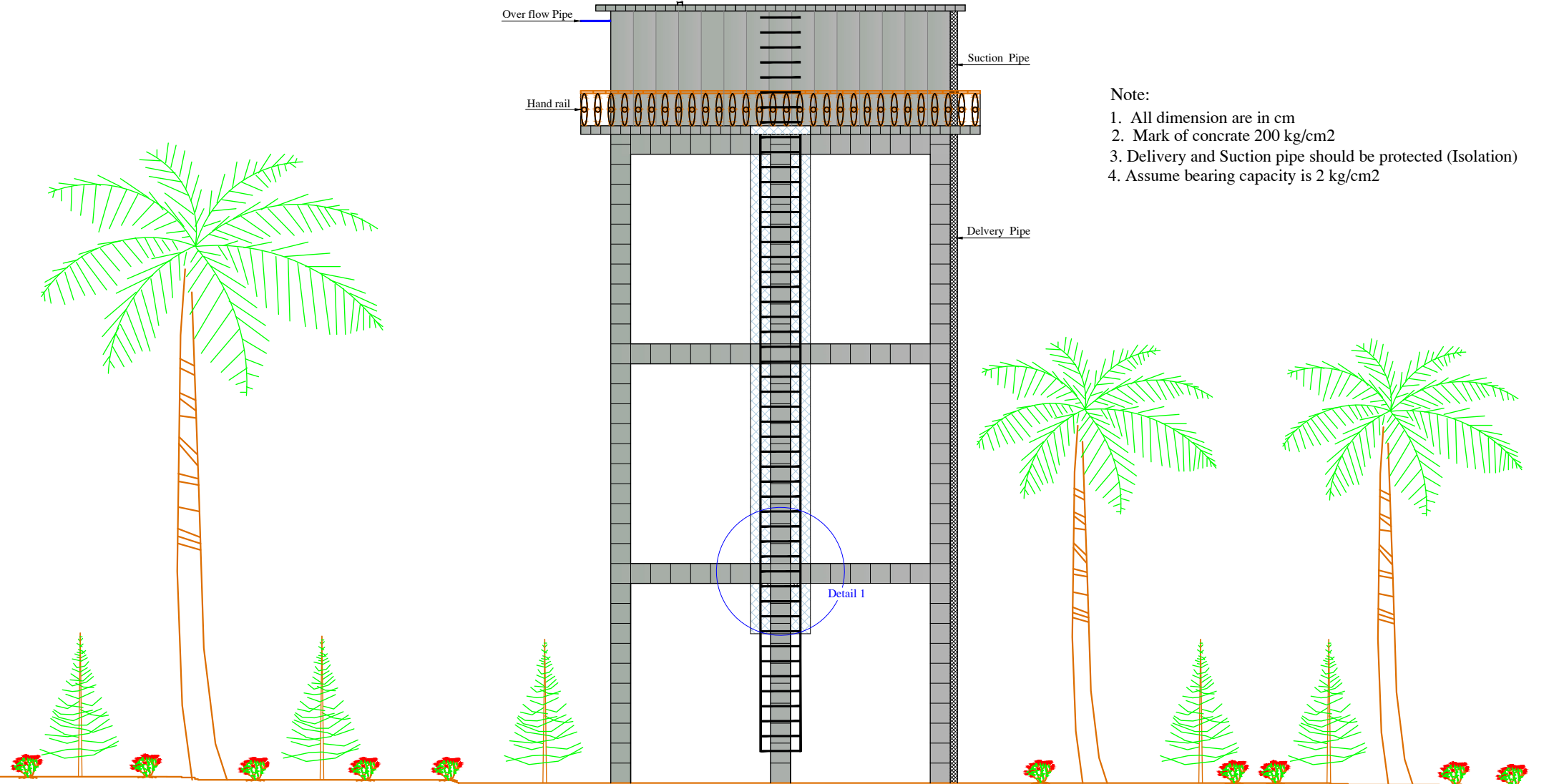


| No | Surveyed by : | OAWCK Engineering Team |
|----|---------------|------------------------|
| 1 | Designed by: | OAWCK Engineering Team |
| 2 | Drawn by: | OAWCK Engineering Team |
| 3 | Approved by: | Haji M.Zaman Safi |



Organization for Afghan Woman
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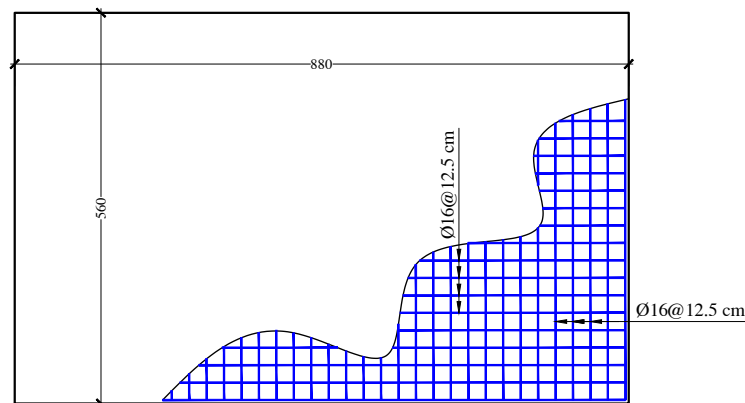
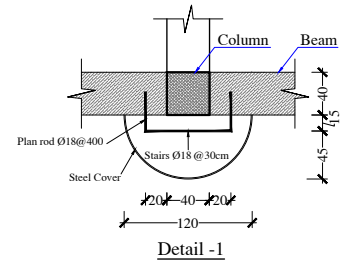
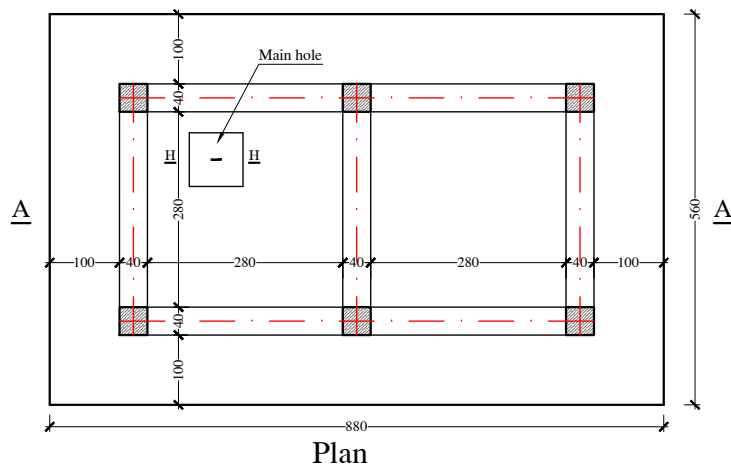
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| Scale: | | Sheet No. | 02 | Province: | Balkh | Project name: | AHF/WASH Project |
| Date: | 2023 | | 02 | District: | Kushandi and Hazar | Drawing Title: | Typical Site Plan of Solar Pump System |
| Drawing No: | | | | Village: | | | |

Elevation of Water Tank Tower

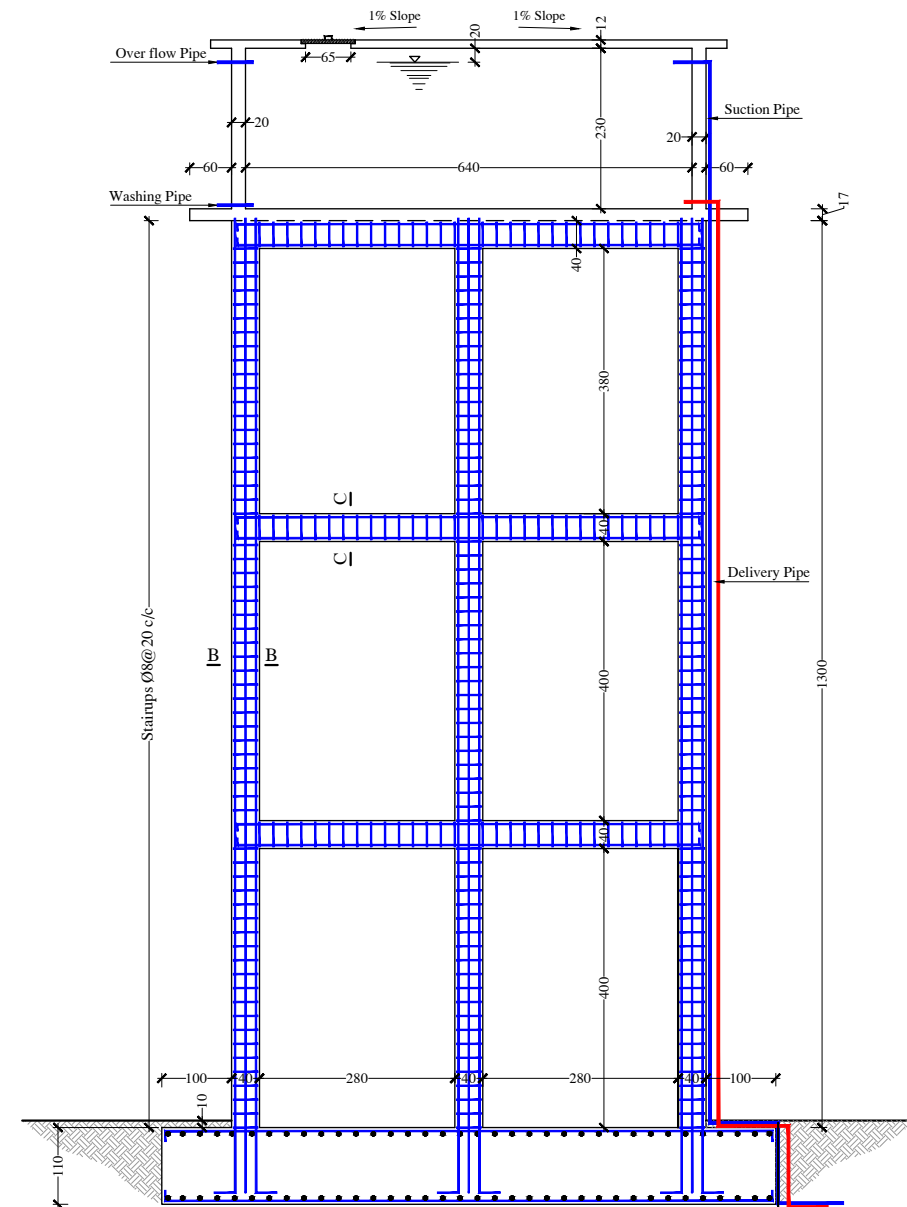


- Note:
- 1. All dimension are in cm
 - 2. Mark of concrete 200 kg/cm²
 - 3. Delivery and Suction pipe should be protected (Isolation)
 - 4. Assume bearing capacity is 2 kg/cm²

| | | | | | | | | | | | |
|--|-------------|------------------------|---|--|-------------|------|--|----------|----------------------------------|-----------------------------------|--|
|  | SURVEYED BY | OAWCK Engineering Team | Organization For Afghan Woman Capacity and Knowledge (OAWCK) | | SCALE | | SHEET NO.  | PROVINCE | Balkh | PROJECT NAME AHF /WASH Project | |
| | DESIGNED BY | OAWCK Engineering Team | | | DATE | 2023 | | DISTRICT | Kushandi and Hazari | DRAWING TITLE | |
| | APPROVED BY | Haji M.Zaman Safi | | | DRAWING NO. | | | VILLAGE | Concern Villages as per Contract | 35 m3 Elevated water reservoir | |



Reinforcement Plan of Footing



Section A-A



| | |
|-------------|------------------------|
| SURVEYED BY | OAWCK Engineering Team |
| DESIGNED BY | OAWCK Engineering Team |
| APPROVED BY | Haji M.Zaman Safi |

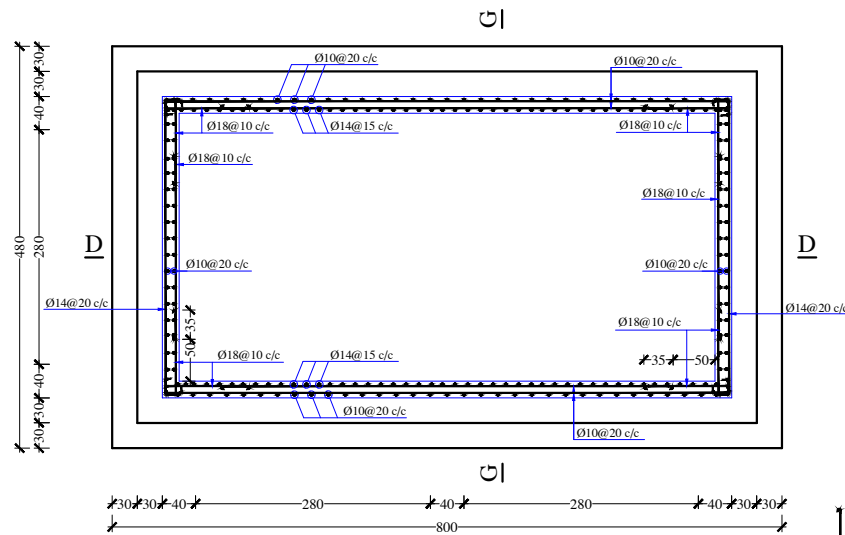
Organization For Afghan Woman
Capacity and Knowledge (OAWCK)

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| SCALE | |
| DATE | 2023 |
| DRAWING NO. | |

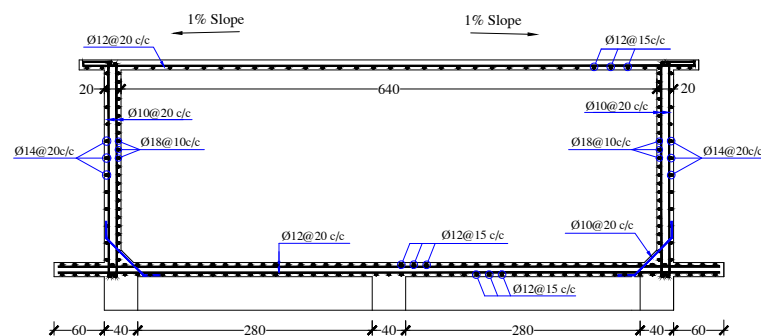
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| SHEET NO. | 1/3 |
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| PROVINCE | Balkh |
| DISTRICT | Kushandi and Hazari |
| VILLAGE | Concern Villages as per Contract |

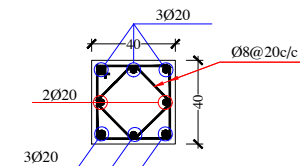
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| PROJECT NAME | AHF /WASH Project |
| DRAWING TITLE | 35 m3 Elevated water reservoir |



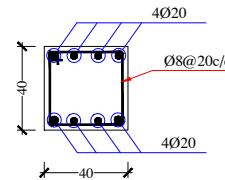
Reinforcement Plan of Water Tank



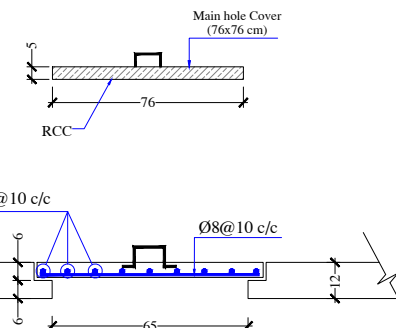
Section D-D



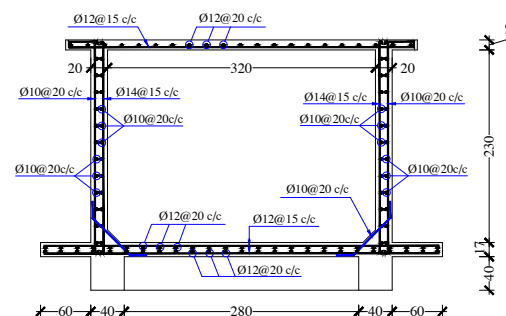
Section B-B



Section C-C



Section H-H



Section G-G

Corner Steel Bar Ø18 @ 10 c/c
L=250cm



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DESIGNED BY OAWCK Engineering Team
APPROVED BY Haji M.Zaman Safi

Organization For Afghan Woman
Capacity and Knowledge (OAWCK)

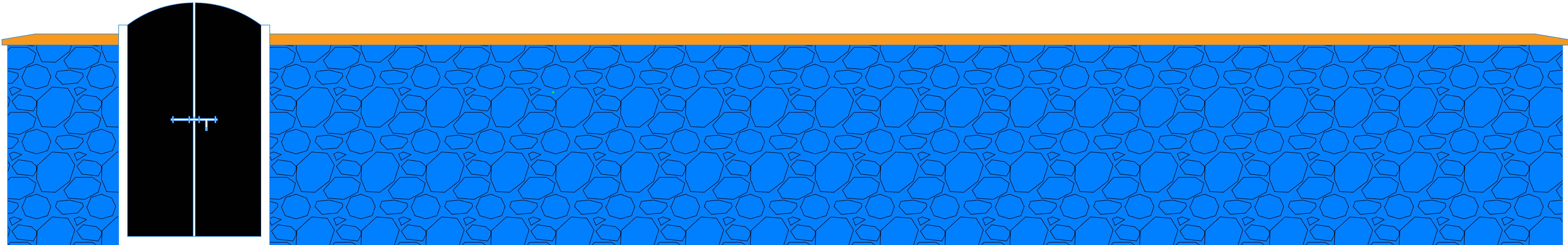
SCALE
DATE 2023
DRAWING NO.

SHEET NO.
1/3

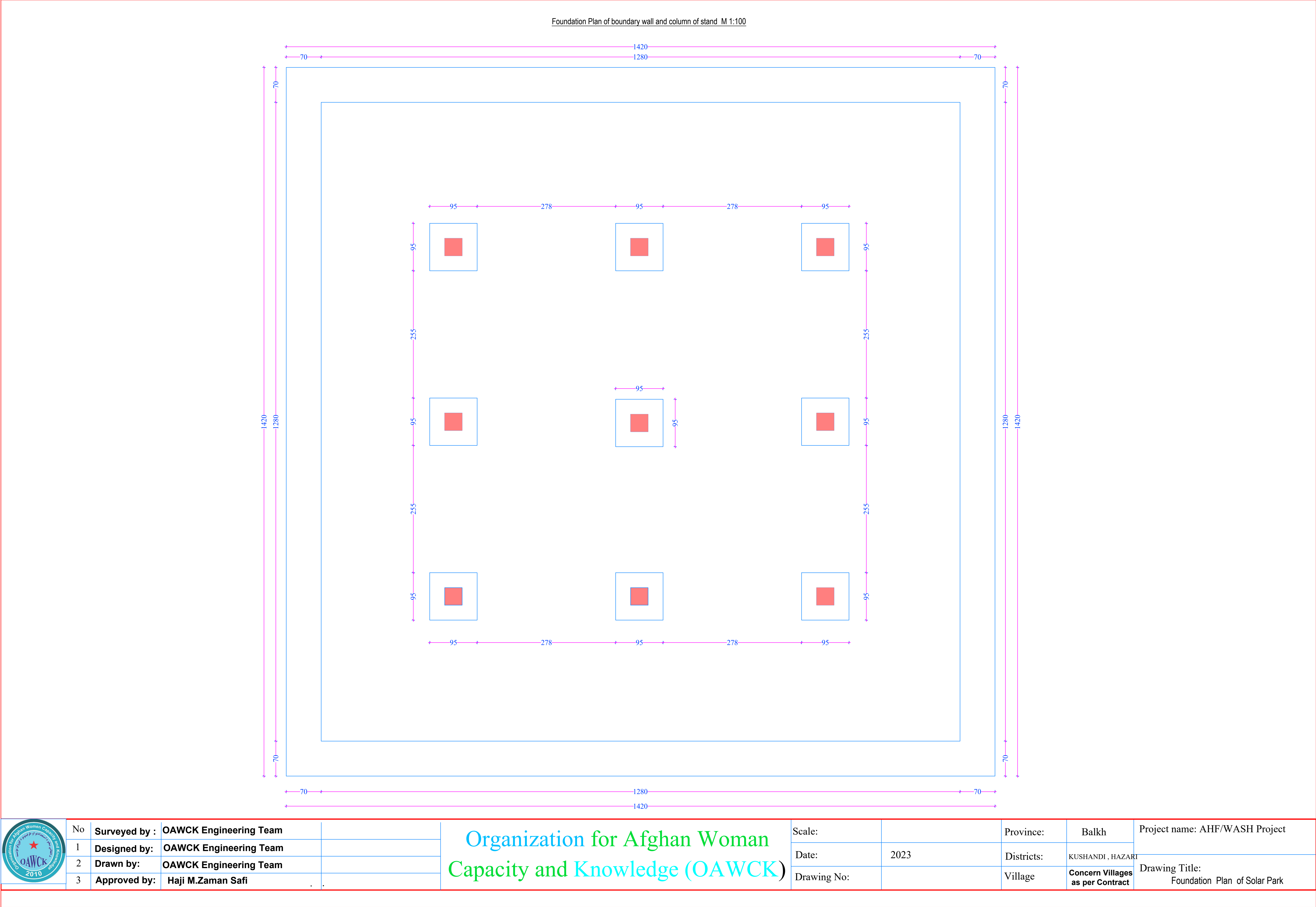
PROVINCE Balkh
DISTRICT Kushandi and Hazari
VILLAGE Concern Villages as per Contract

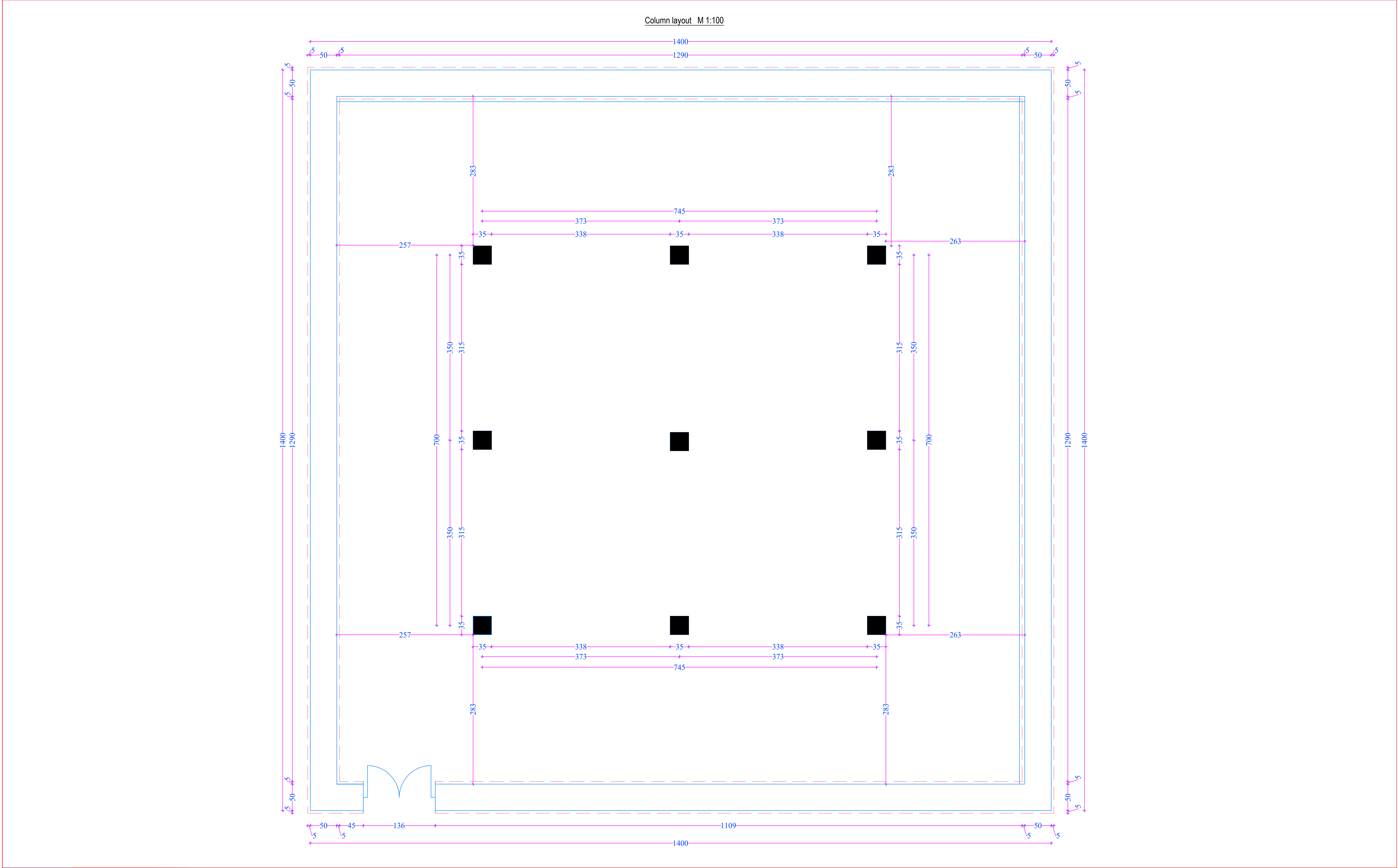
PROJECT NAME
AHF /WASH Project
DRAWING TITLE
35 m3 Elevated water reservoir

Front View of Solar Park



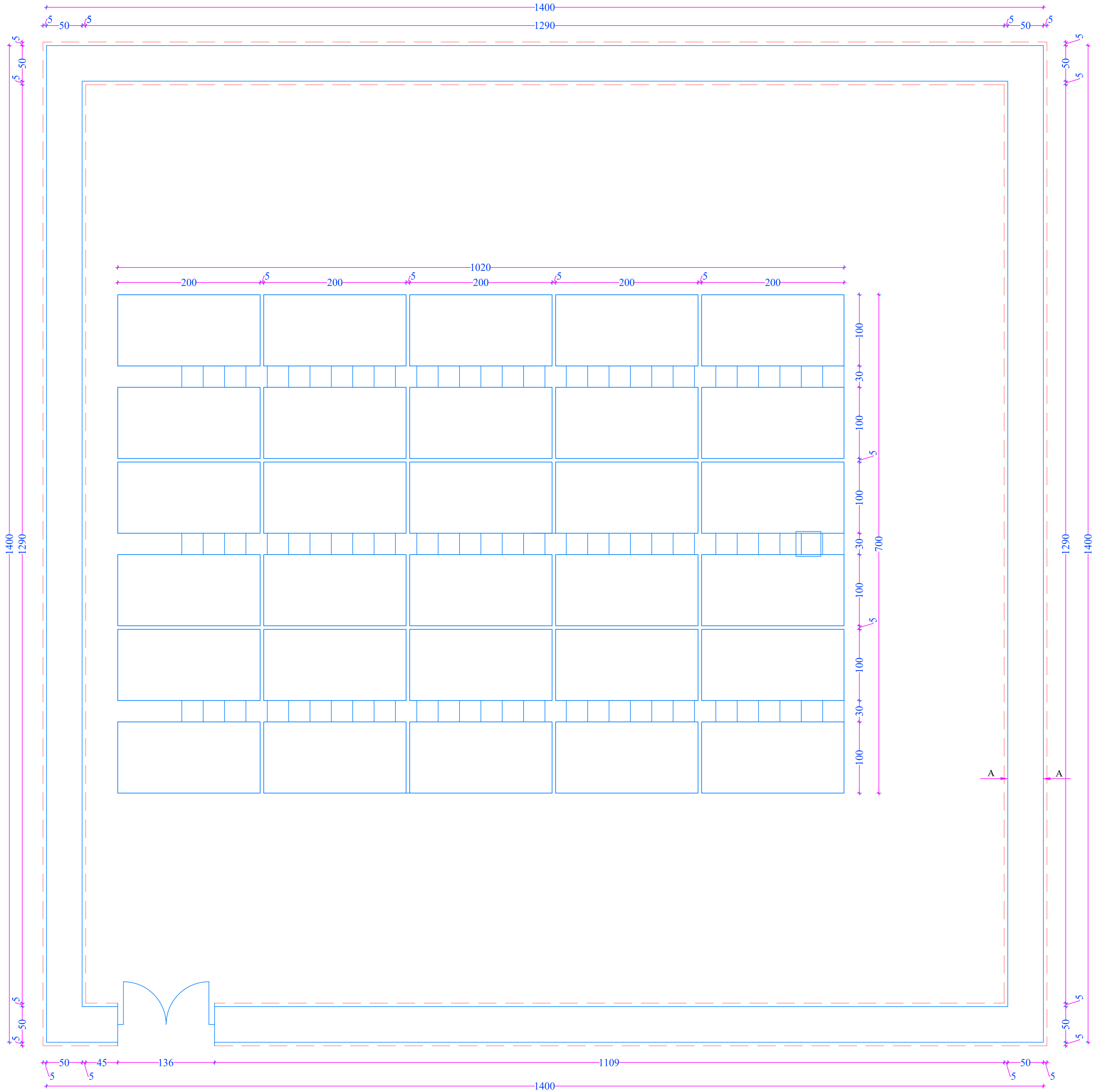
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|  | No | Surveyed by : | OAWCK Engineering Team | Organization for Afghan Woman Capacity and Knowledge (OAWCK) | Scale: | | Province: | Balkh | Project name: AHF/WASH Project |
| | 1 | Designed by: | OAWCK Engineering Team | | Date: | 2023 | Districts: | KUSHANDI , HAZARI | |
| | 2 | Drawn by: | OAWCK Engineering Team | | Drawing No: | | Village | Concern Villages as per Contract | Drawing Title: |
| | 3 | Approved by: | Haji M.Zaman Safi | | | | | | Front View of Solar Park |





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|  | No | Surveyed by : | OAWCK Engineering Team | Organization for Afghan Woman Capacity and Knowledge (OAWCK) | Scale: | | Province: | Balkh | Project name: AHF/WASH Project |
| | 1 | Designed by: | OAWCK Engineering Team | | Date: | 2023 | Districts: | KUSHANDI , HAZARI | Drawing Title: |
| | 2 | Drawn by: | OAWCK Engineering Team | | Drawing No: | | Village | Concern Villages as per Contract | Column layout of Solar Park of 35 m 3 Elevated Tank |
| | 3 | Approved by: | Haji M.Zaman Safi | | | | | | |

Plan of boundary wall and Solar stand M 1:100



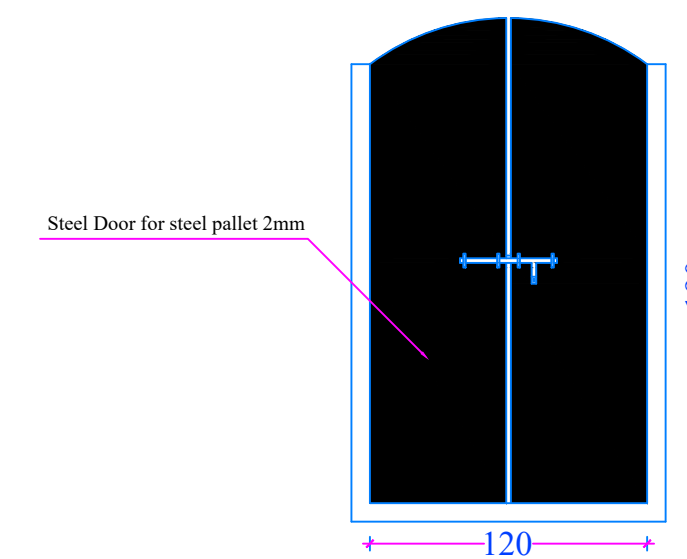
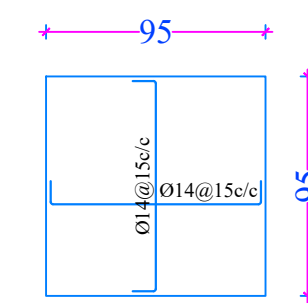
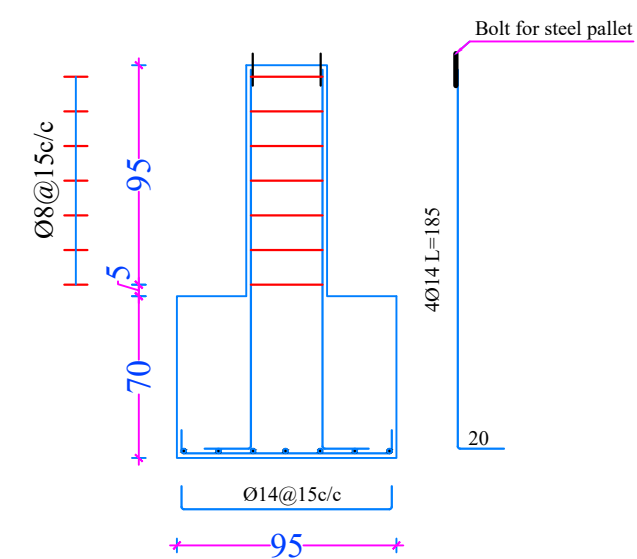
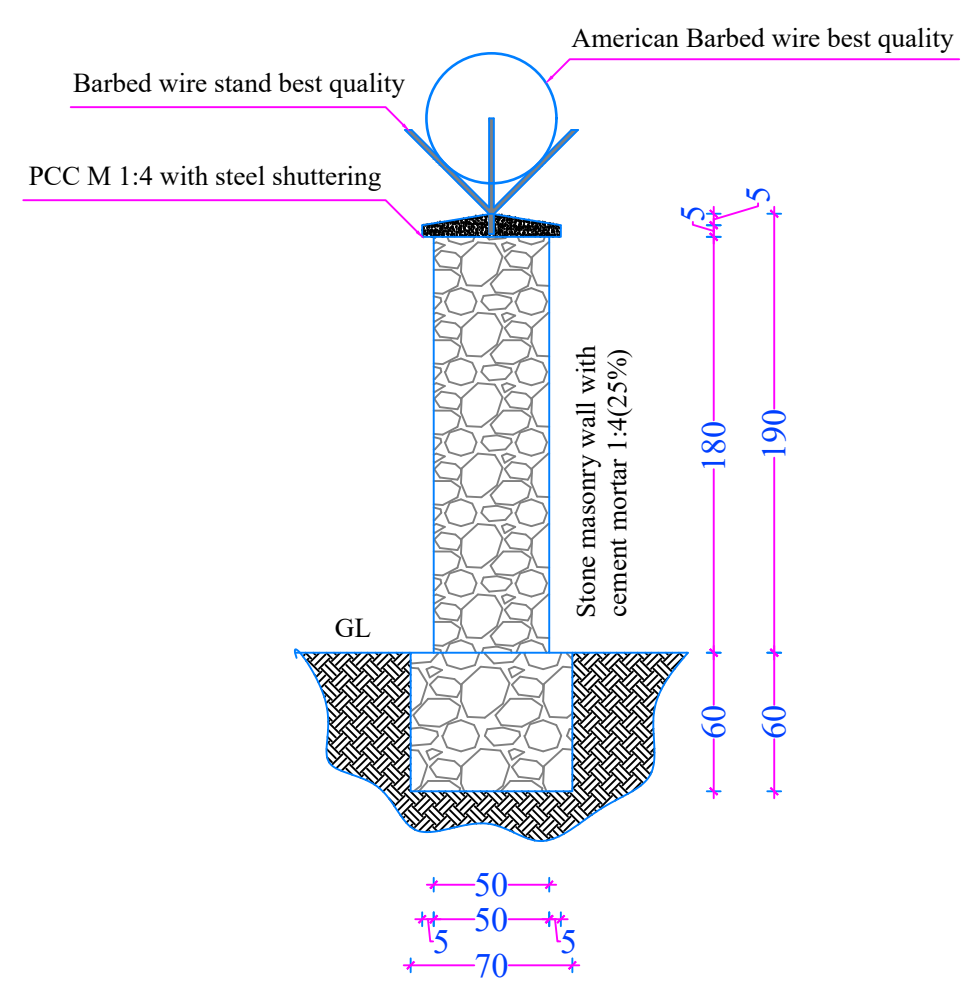
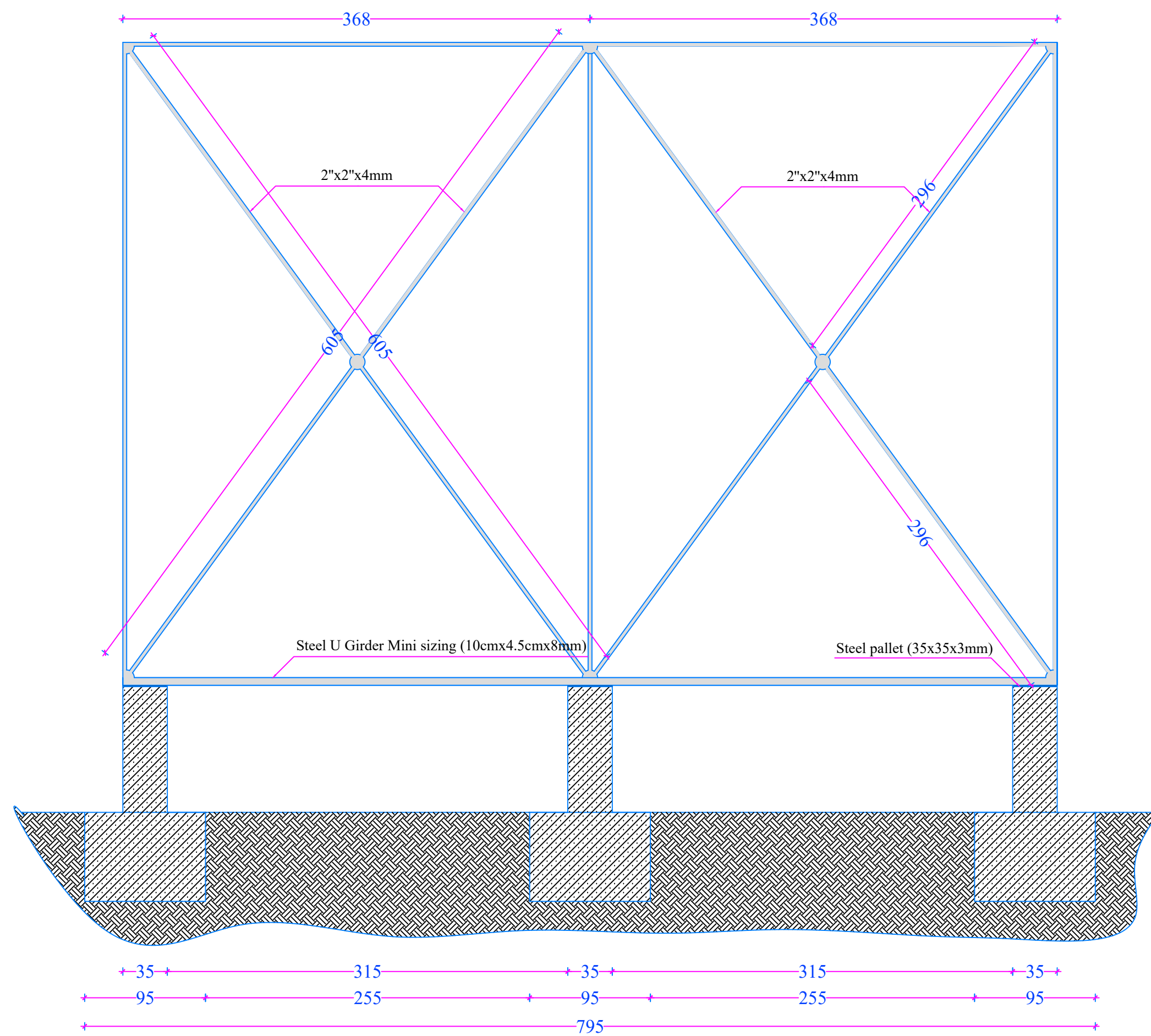
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| No | Surveyed by : | OAWCK Engineering Team | |
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| 3 | Approved by: | Haji M.Zaman Safi | |

Organization for Afghan Woman
Capacity and Knowledge (OAWCK)

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| Scale: | | Province: | Balkh | Project name: AHF/WASH Project |
| Date: | 2023 | Districts: | KUSHANDI , HAZARI | Drawing Title: |
| Drawing No: | | Village | Concern Villages as per Contract | Plan of boundary wall and Solar stand |

Sections and Details M 1:100

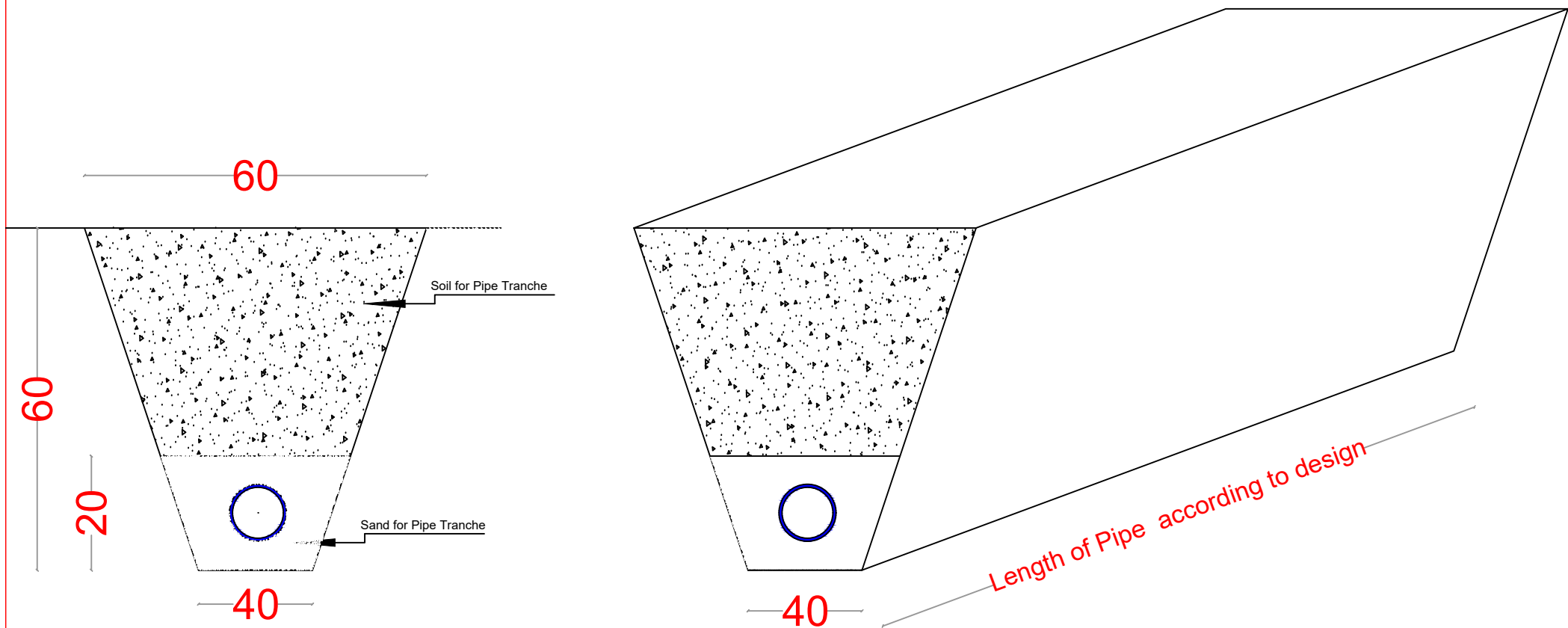
Technical drawing showing a cross-section of a roof structure. The roof is pitched at 33°. The structure is supported by a steel U girder (Mini sizing, 10cmx4.5cmx8mm) and square pipe (2x2 Cm). The roof is covered with 2"x2"x4mm material. The structure is supported by a steel pallet (35x35x3mm). The drawing includes dimensions for the roof slope (33°), rafter spacing (200), and support heights (500). It also shows the foundation with copper cable and rod details.



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|  | No | Surveyed by : | OAWCK Engineering Team | <div>Organization for Afghan Woman Capacity and Knowledge (OAWCK)</div> | Scale: | | Province: | Balkh | Project name: AHF/WASH Project |
| | 1 | Designed by: | OAWCK Engineering Team | | Date: | 2023 | Districts: | KUSHANDI, HAZARAT | Drawing Title: Sections and Details of Solar Park of 35M3 Elevated Tank |
| | 2 | Drawn by: | OAWCK Engineering Team | | Drawing No: | | Village | Concern Villages as per Contract | |
| | 3 | Approved by: | Haji M.Zaman Safi | | | | | | |

Crass Section of Pipe

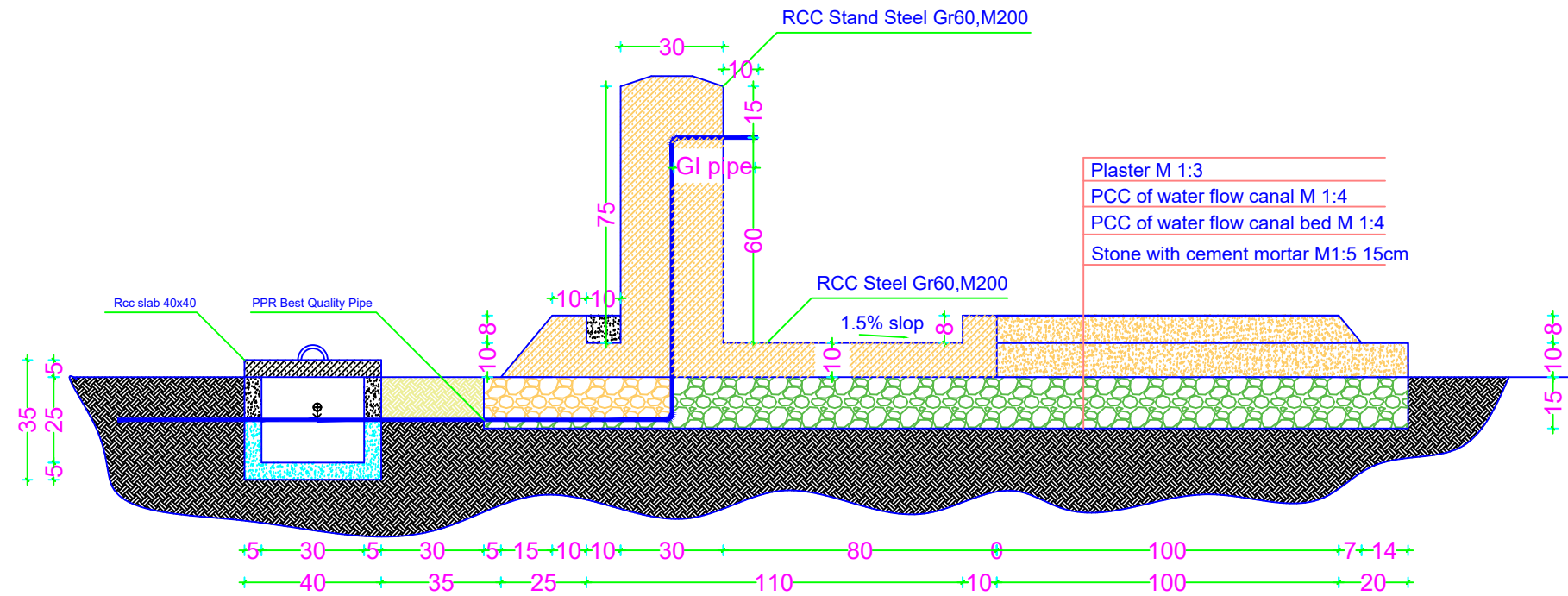
Isometry of Pipe



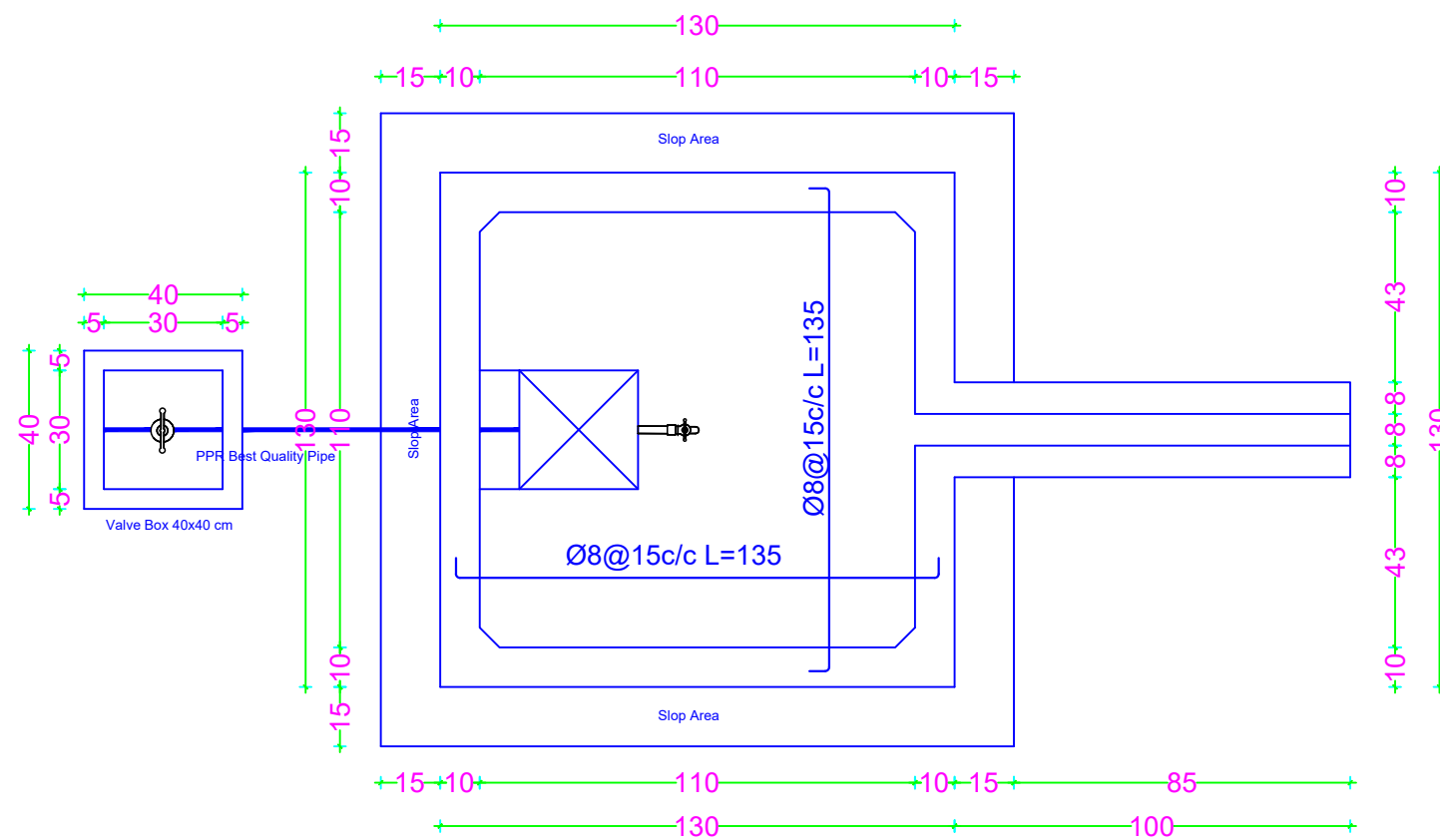
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|  | No | Surveyed by : | OAWCK Engineer Team | Organization for Afghan Woman Capacity and Knowledge (OAWCK) | Scale: | | Province: | Kunar | Project name: AHF/WASH Project |
| | 1 | Designed by: | OAWCK Engineer Team | | Date: | | Districts: | | |
| | 2 | Drawn by: | OAWCK Engineer Team | | Drawing No: | | Village | | Drawing Title: Pipe Excavation Section |
| | 3 | Approved by: | Haji M.Zaman Safi | | | | | | |

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|  | No | Surveyed by : | OAWCK Engineering Team | <div>Organization for Afghan Woman Capacity and Knowledge (OAWCK)</div> | Scale: | | Province: | Balkh | Project name: AHF/WASH Project |
| | 1 | Designed by: | OAWCK Engineering Team | | Date: | 2023 | Districts: | KUSHANDI , HAZARI | |
| | 2 | Drawn by: | OAWCK Engineering Team | | Drawing No: | | Village | Concern Villages as per Contract | Drawing Title: Stand Top Plan and section |
| | 3 | Approved by: | Haji M.Zaman Safi | | | | | | |

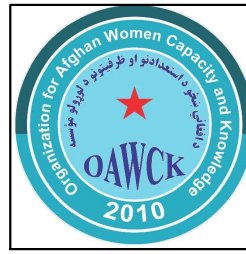
Section (A-A) M 1:100



Stand top Plan M 1:100



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|  | No | Surveyed by : | OAWCK Engineering Team | <div style="text-align: center;"> <h2 style="color: green;">Organization for Afghan Woman Capacity and Knowledge (OAWCK)</h2> </div> | Scale: | | Province: | Balkh | Project name: AHF/WASH Project |
| | 1 | Designed by: | OAWCK Engineering Team | | Date: | 2023 | Districts: | KUSHANDI , HAZARI | |
| | 2 | Drawn by: | OAWCK Engineering Team | | Drawing No: | | Village | Concern Villages as per Contract | Drawing Title: Stand Top Plan and section |
| | 3 | Approved by: | Haji M.Zaman Safi | | | | | | |



Organization For Afghan Woman Capacity and Knowledge (OAWCK)

PROVINCE

Balkh

DISTRICT

Kushandi and Zari

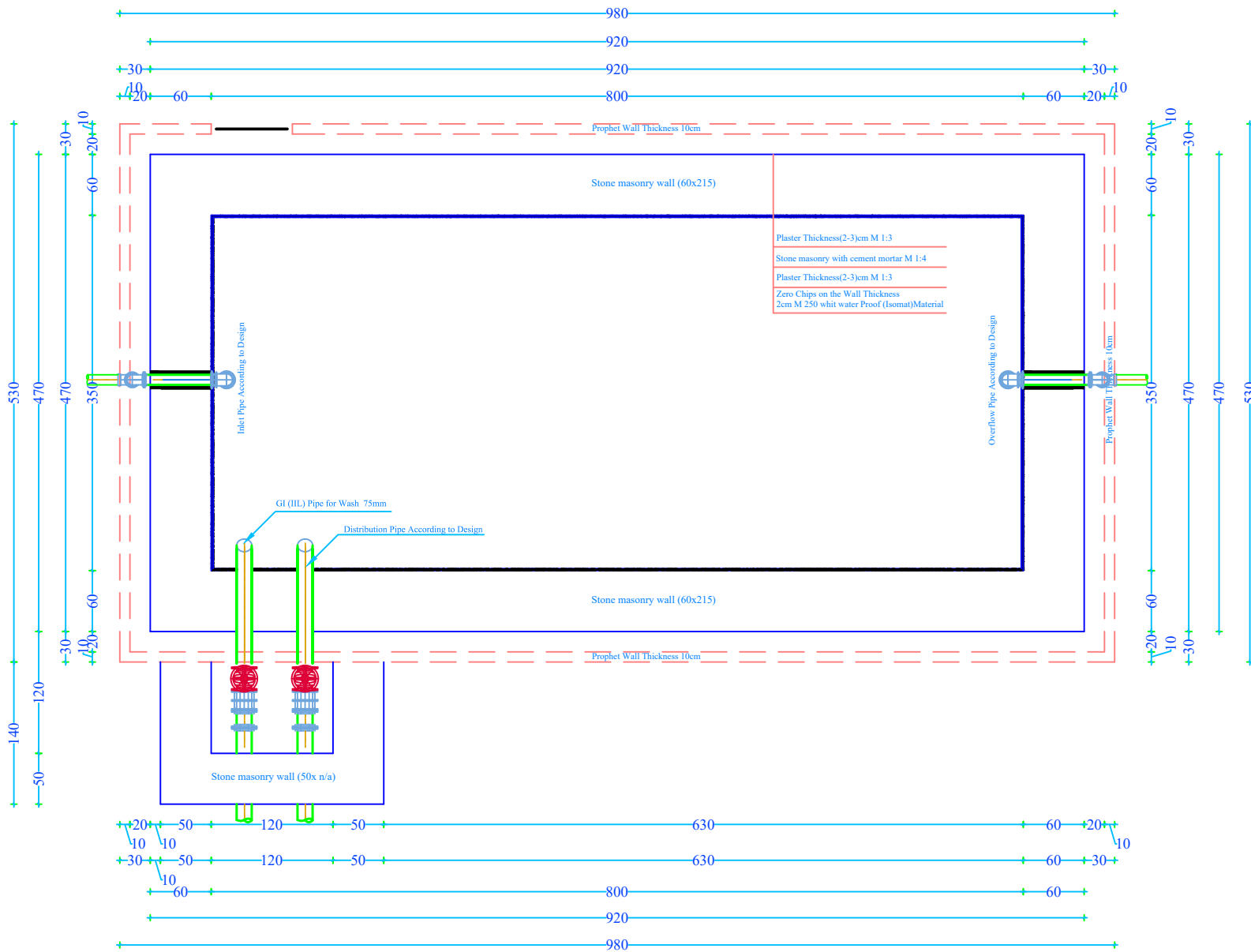
VILLAGE

Concern Villages as per Contract

PROJECT Title

Surface Water Reservoir for Gravity System

Water Reservoir Plan M 1:100



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| SURVEYED BY | OAWCK Engineering Team |
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| APPROVED BY | Haji M.Zaman Safi |

Organization For Afghan Woman Capacity
and Knowledge (OAWCK)

SCALE

DATE _____

DRAWING NO.

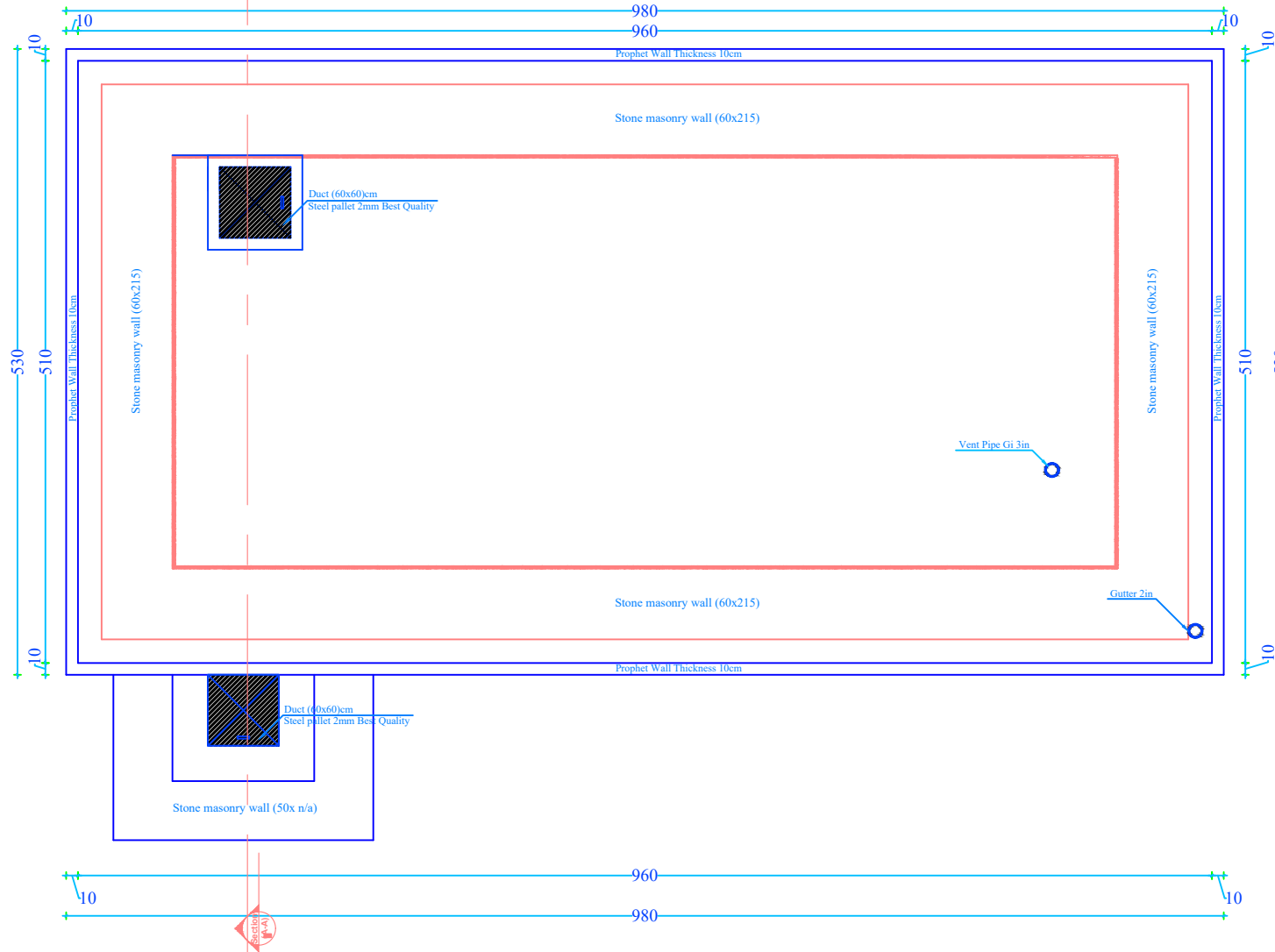
SHEET
NO.

| | |
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| PROVINCE | Balkh |
| DISTRICT | Kushan |
| VILLAGE | Concern V |

PROJECT NAME *AHF /WASH Project*


| | |
|---------------|----------------------------|
| DRAWING TITLE | 40 ^3 Water Reservoir Plan |
|---------------|----------------------------|

Roof Plan M 1:100

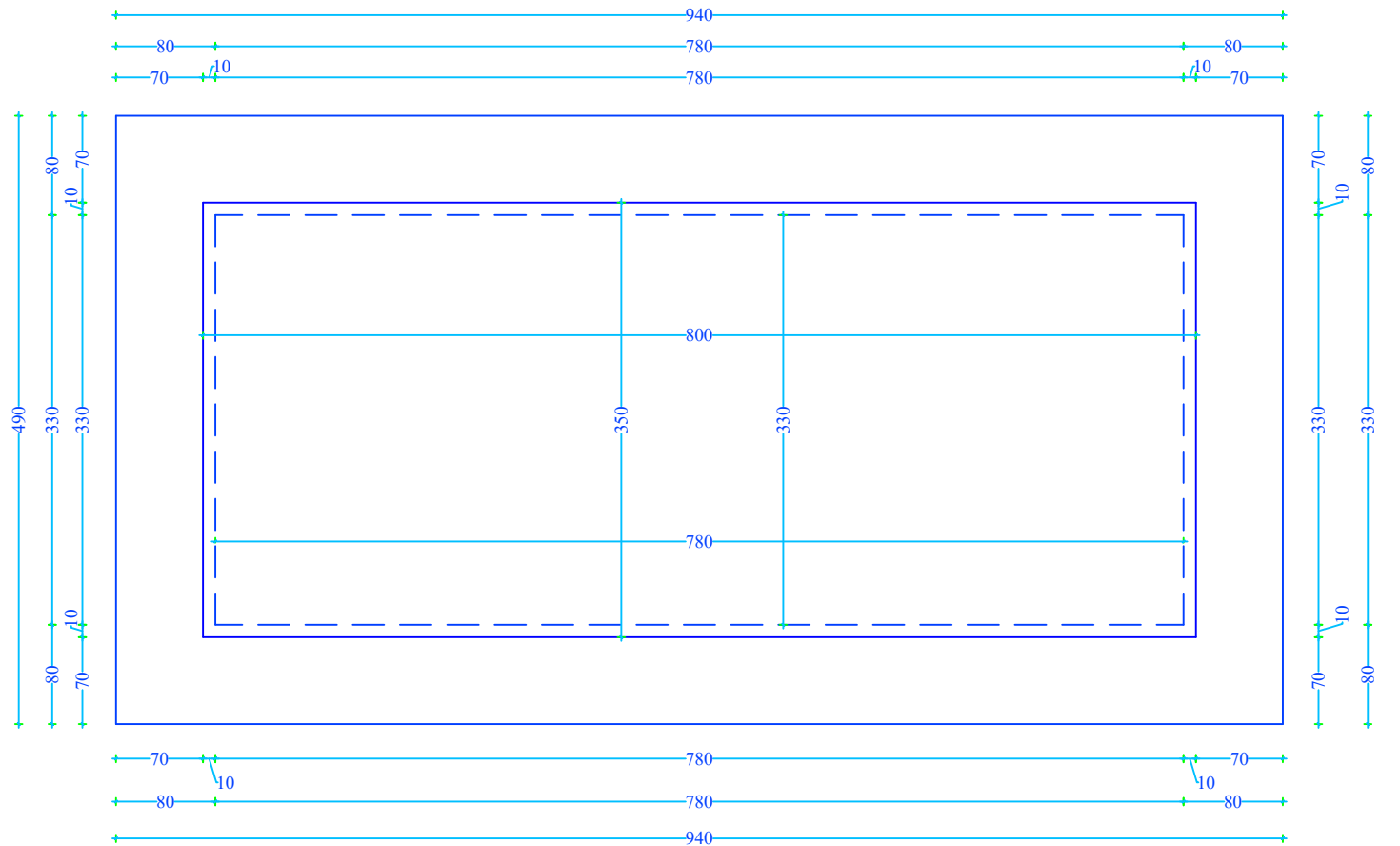


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| DESIGNED BY | OAWCK Engineering Team |
| APPROVED BY | Haji M.Zaman Safi |

Organization For Afghan Woman Capacity
and Knowledge (OAWCK)

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|-------------|------|--------------|---|----------|----------------------------------|---|
| SCALE | | SHEET NO. |  | PROVINCE | Balkh | PROJECT NAME <i>AHF /WASH Project</i> |
| DATE | 2023 | | | DISTRICT | Kushandi and Hazari | |
| DRAWING NO. | | | | VILLAGE | Concern Villages as per Contract | DRAWING TITLE 40'3 Reservoir Roof Plan |

Foundation Plan M 1:100

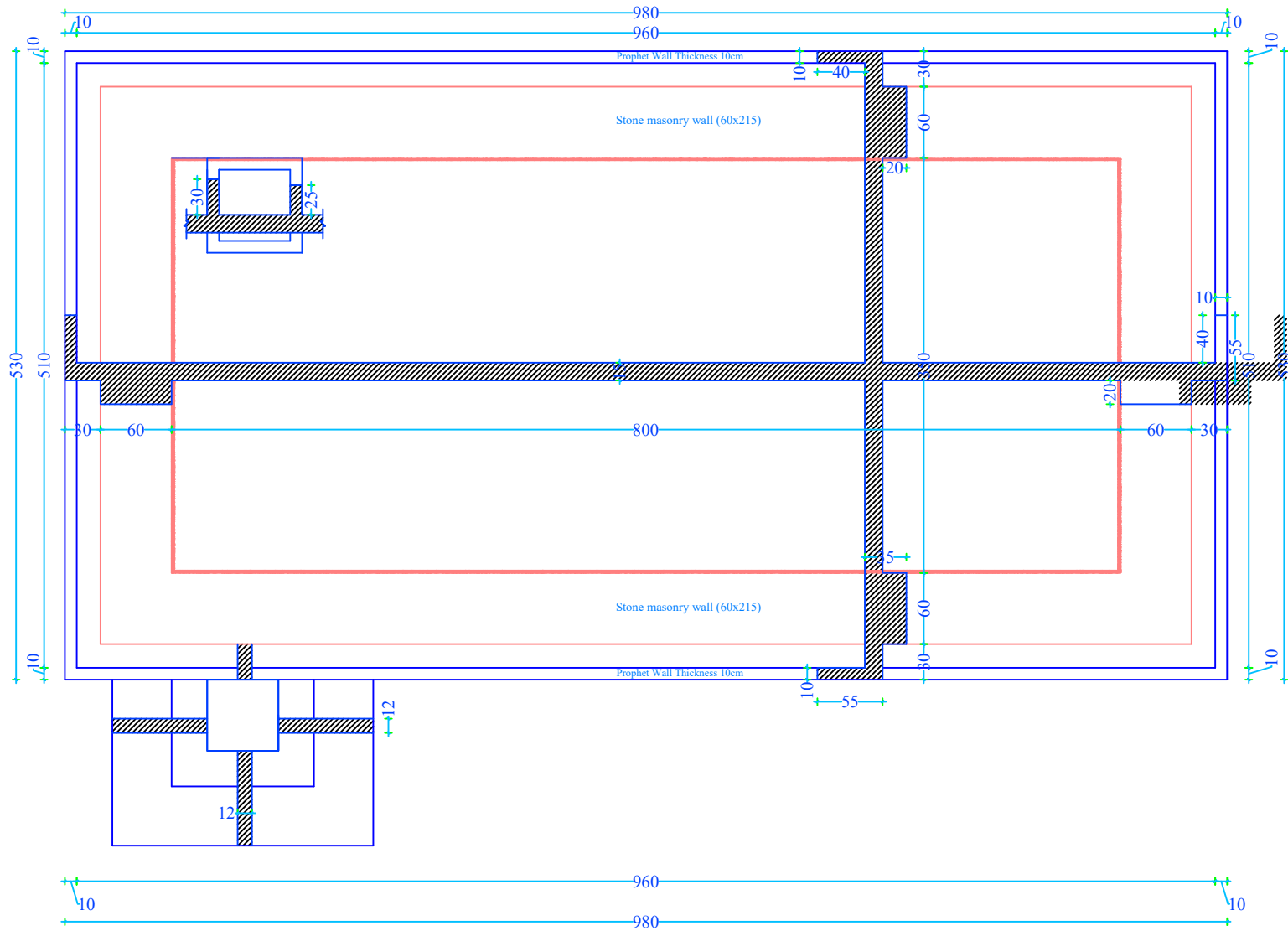


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| SURVEYED BY | OAWCK Engineering Team |
| DESIGNED BY | OAWCK Engineering Team |
| APPROVED BY | Haji M.Zaman Safi |

Organization For Afghan Woman Capacity
and Knowledge (OAWCK)

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| SCALE | | SHEET NO. 1/5 | PROVINCE | Balkh | PROJECT NAME | AHF /WASH Project |
| DATE | 2023 | | DISTRICT | Kushandi and Hazari | DRAWING TITLE | Water reservoir 40M ³ Foundation Plan |
| DRAWING NO. | | | VILLAGE | Concern Villages as per Contract | | |

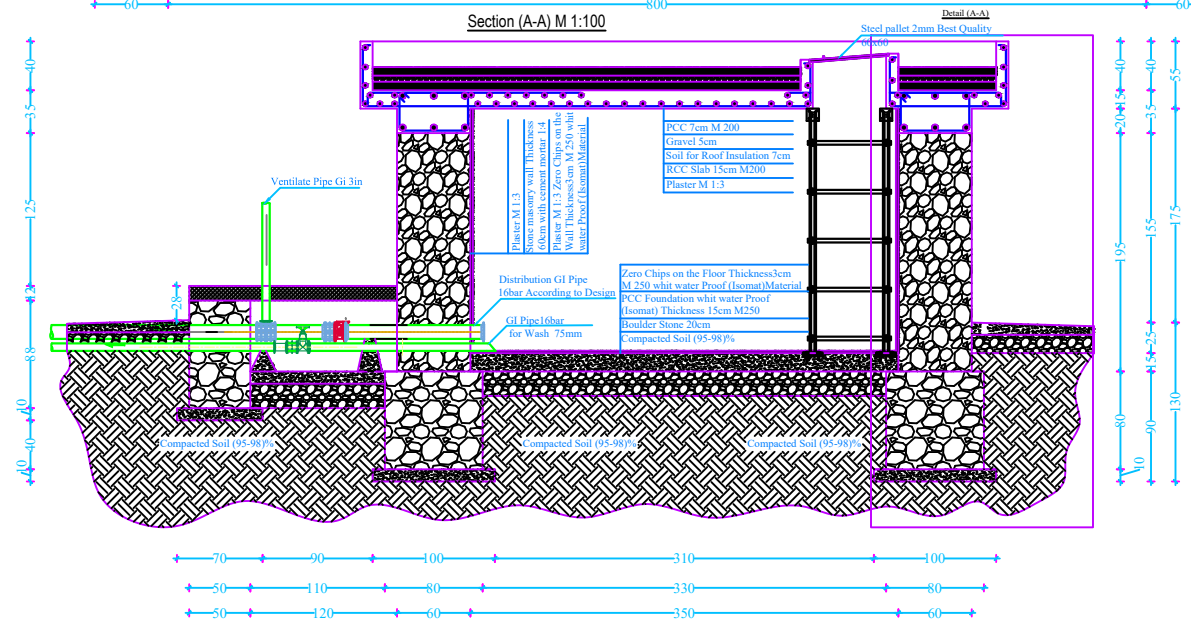
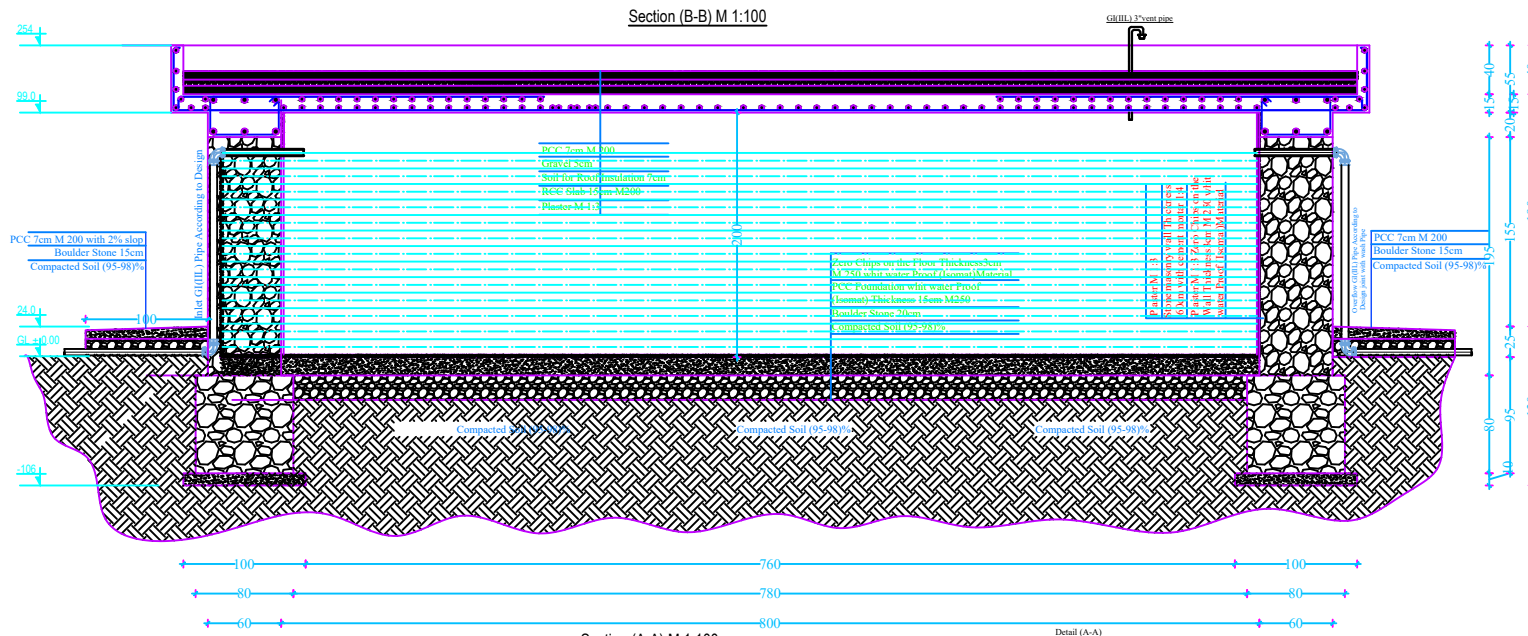
Roof Shuttering Plan




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|-------------|------------------------|
| SURVEYED BY | OAWCK Engineering Team |
| DESIGNED BY | OAWCK Engineering Team |
| APPROVED BY | Haji M.Zaman Safi |

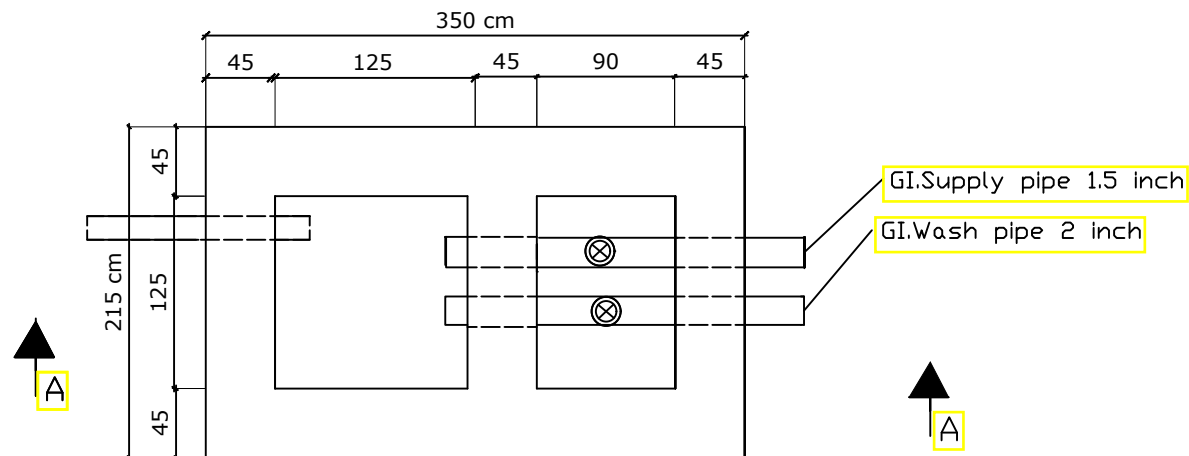
Organization For Afghan Woman Capacity
and Knowledge (OAWCK)

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|-------------|------|-----------|-----|----------|----------------------------------|---------------|--------------------------------|
| SCALE | | SHEET NO. | 4/5 | PROVINCE | Balkh | PROJECT NAME | AHF /WASH Project |
| DATE | 2023 | | | DISTRICT | Kushandi and Hazari | DRAWING TITLE | 40 ^3 W.R Roof Shuttering Plan |
| DRAWING NO. | | | | VILLAGE | Concern Villages as per Contract | | |

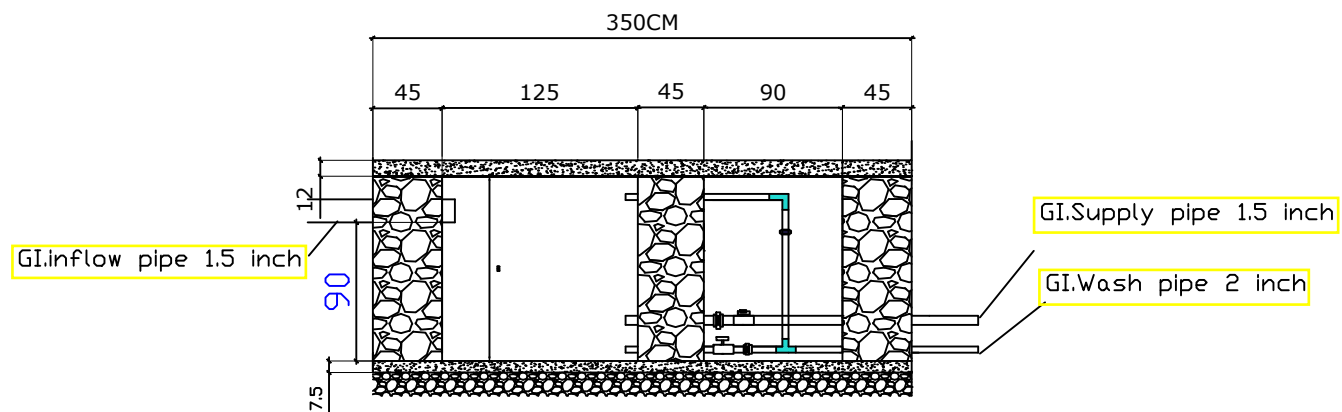


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|  | SURVEYED BY | OAWCK Engineering Team | Organization For Afghan Woman Capacity and Knowledge (OAWCK) | SCALE | | SHEET NO. 5/5 | PROVINCE | Balkh | PROJECT NAME AHF /WASH Project |
| | DESIGNED BY | OAWCK Engineering Team | | DATE | 2023 | | DISTRICT | Kushandi and Hazari | |
| | APPROVED BY | Haji M.Zaman Safi | | DRAWING NO. | | | VILLAGE | Concern Villages as per Contract | |
| | | | | | | | | | DRAWING TITLE 40 ^3 Water reservoir Section (A-A)(B-B) |

SPRING CHAMBER Plan



SECTION.A-A



| | | | | | | | | | | |
|----|---------------|------------------------|---|-------------|------|-------------------|-----------|-------------------|----------------|---------------------|
| No | Surveyed by : | OAWCK Engineering Team | Organization for Afghan Woman Capacity and Knowledge (OAWCK) | Scale: | | Sheet No 02/04 | Province: | Balkh | Project name: | AHF/WASH Project |
| 1 | Designed by: | OAWCK Engineering Team | | Date: | 2023 | | District: | kushandi & Hazrat | | |
| 2 | Drawn by: | OAWCK Engineering Team | | Drawing No: | | | Village: | Contract Villages | Drawing Title: | SPRING CHAMBER Plan |
| 3 | Approved by: | Haji M.Zaman Safi | | | | | | | | |