

DESIGNS AND DRAWINGS



PREPARED AND FUNDED BY:
SAMARITAN'S PURSE

REHABILITATION
SHOWER AND LATRINE
DRAWINGS PACKAGE
(SLW-08)



NOTES :

PROJECT TITLE:

SINJAR LIVING
WATER PROJECT

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

COVER

DESIGN	SAMARITAN'S PURSE
DRAWN	ENG. AMEEN HASAN ENG. DAKHEEL EEDO
CHECKED AND APPROVED	ENG. MIRZA MURAD PM. ALEXIS AMOS
FILE NAME	DRAWINGS PACKAGE
SCALE	NTS

COMMENTS:	SHEET No. 0
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1. GENERAL NOTES:

1.1 THE DESIGN DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATIONS AND DRAWINGS (CIVIL, ELECTRICAL AND MECHANICAL). IN CASE OF ANY DISCREPANCY, THE CONTRACTOR MUST CONTACT THE ENGINEER FOR CLARIFICATION.

1.2 THESE NOTES ARE GENERALLY APPLICABLE TO THE OVERALL SYSTEMS INSTALLATION. ANY ADDITIONAL NOTES ON THE INDIVIDUAL DRAWINGS WHICH ARE SUPPLEMENTARY TO THESE NOTES SHALL BE READ WITH THE INSTRUCTIONS STATED HEREIN.

1.3 IN THE ABSENCE OF ANY INDICATION ON THE DRAWINGS OR THE SPECIFICATION, THE IMPLEMENTATION SHOULD BE DONE AS PER SAMARITAN PURSE ENGINEERS INSTRUCTIONS.

1.4 DO NOT SCALE DRAWINGS, USE ONLY WRITTEN DIMENSIONS.

1.5 UNLESS OTHERWISE NOTED, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.

1.6 THE CONTRACTOR SHALL BE DEEMED TO HAVE VISITED THE SITE OF WORKS AND SATISFIED HIMSELF AS TO THE NATURE OF THE GROUND AND MADE HIMSELF CONVERSANT WITH LOCAL CONDITIONS TO BE ENCOUNTERED DURING THE EXECUTION OF WORK.

2. CONCRETE

2.1 COMPRESSIVE STRENGTH OF CONCRETE, f_{cu} , AS DEFINED BY STANDARD 150mm CUBE AT 28 DAYS SHALL BE AS FOLLOWS:

- C25 : FOR FOUNDATION SLABS, BEAMS, STAIRS, COLUMNS, SHEAR WALLS,
- C10 : FOR FLOORS LEAN CONCRETE

2.2 TRIAL MIXES SHALL BE PERFORMED AND 28 DAY STRENGTH AND DURABILITY TEST RESULTS MUST BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL PRIOR TO ANY CONCRETE WORK.

2.3 ALL REINFORCED CONCRETE SHALL BE VIBRATED PROPERLY.

3. CEMENT

3.1 ORDINARY PORTLAND CEMENT (OPC) .

3.2 WATER-CEMENT RATIO SHALL NOT BE MORE THAN 0.55 WEIGHT.

3.3 CEMENT CONTENT SHALL BE DETERMINED BY DESIGN MIX TO BE APPROVED BY THE SAMARITAN'S PURSE ENGINEERS

3.4 CEMENT PLASTERING WILL BE USED FOR THE INTERNAL AND EXTERNAL SIDES AND ROOFING OF BATHROOM WALLS (SHOWER + LATRINE)

4. REINFORCING STEEL

4.1 ALL REINFORCING STEEL BARS DENOTED BY "Ø" BARS SHALL BE DEFORMED, HIGH YIELD STRENGTH BARS WITH A MINIMUM YIELD STRENGTH OF $F_y = 420$ MPa.

4.2 REINFORCEMENT SHALL CONFORM TO ASTM A615 STANDARDS.

4.3 REINFORCEMENT SHALL BE PLACED AS SHOWN ON THE DRAWINGS AND IN THE LENGTHS SPECIFIED.

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9	SP-WASH-SC-09	Slab / Structural Details



NOTES :

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SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

GENERAL NOTES

DESIGN	SAMARITAN'S PURSE
DRAWN	ENG. AMEEN HASAN ENG. DAKHEEL EEDO
CHECKED AND APPROVED	ENG. MIRZA MURAD PM. ALEXIS AMOS
FILE NAME	SP-WASH-GN-01
SCALE	NTS

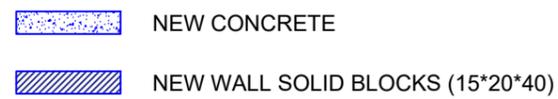
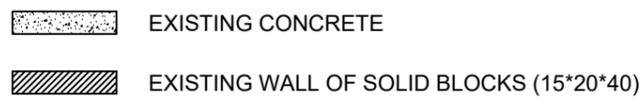
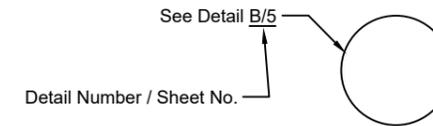
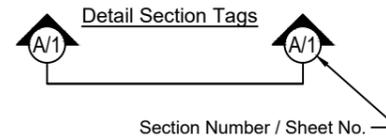
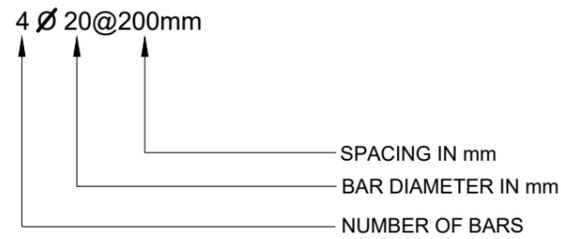
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SHEET No.

1

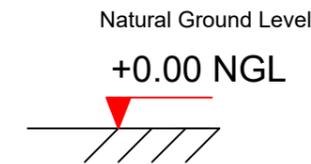
5. SYMBOLS

5.1 ARCHITECTURE & CIVIL



WINDOW SCHEDULE			
ITEM	TAG	SIZE	TYPE
	1	Measure in field	NEW PVC WINDOW+GLASS
	2	Measure in field	EXISTING OPENING FOR WINDOW

DOOR SCHEDULE			
ITEM	TAG	SIZE	TYPE
	1	2.1*0.8 m	NEW PVC DOOR
	2	2.1*0.8 m or fit to exist opening	EXISTING DOOR



NOTES :

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SINJAR LIVING WATER PROJECT

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GENERAL NOTES

5.2 ELECTRICAL

ITEM	DESCRIPTION
	Single socket-Normal power
	Two Gang Switch
	Interior and Extrior Water Proof Light
	Exhaust Fan 6"
	Distribution Panel Board
	2x4 mm ² Cable
	2x1.5 mm ² Wire

5.3 WASH

ITEM	DESCRIPTION
	4 inchs PVC Pipe for black water
	4 inchs PVC Pipe for grey water
	¾ inchs PVC Pipe for water supply
	¾ inchs PVC pipe up and down from the roof
	30x30 cm Manhole
	Interior 15x15cm Manhole
	WC Seat (Western toilet)
	WC Seat (Eastern toilet)
	Wash basin
	Tap
	Water Mixer
	Water Boiler
	Ventilation Pipe
	Rain Pipe

DESIGN SAMARITAN'S PURSE

DRAWN ENG. AMEEN HASAN
ENG. DAKHEEL EEDO

CHECKED AND APPROVED ENG. MIRZA MURAD
PM. ALEXIS AMOS

FILE NAME **SP-WASH-GN-02**

SCALE NTS

COMMENTS:

SHEET No.

2

NOTES :

All dimensions in meter

PROJECT TITLE:

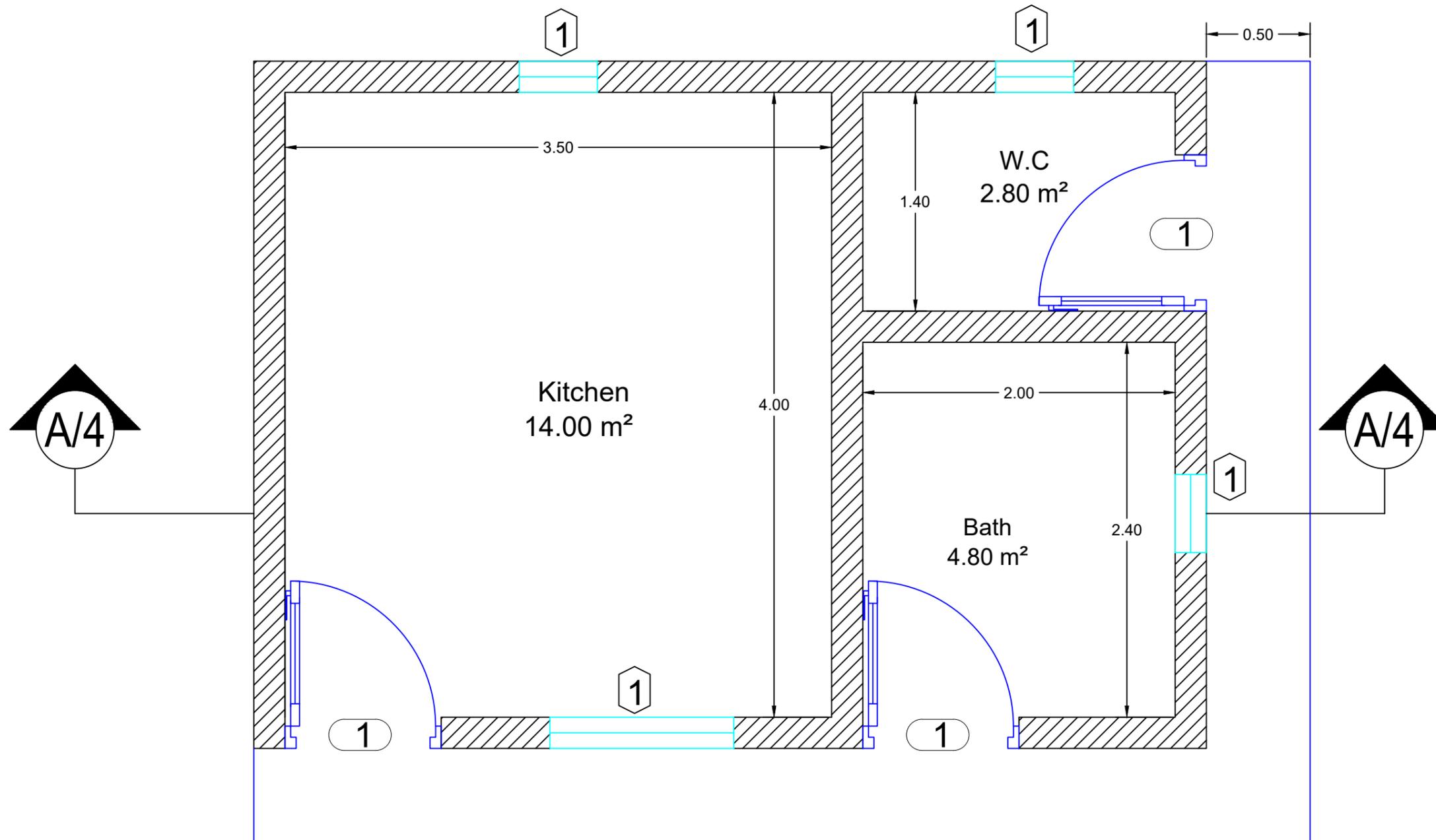
**SINJAR LIVING
WATER PROJECT**

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

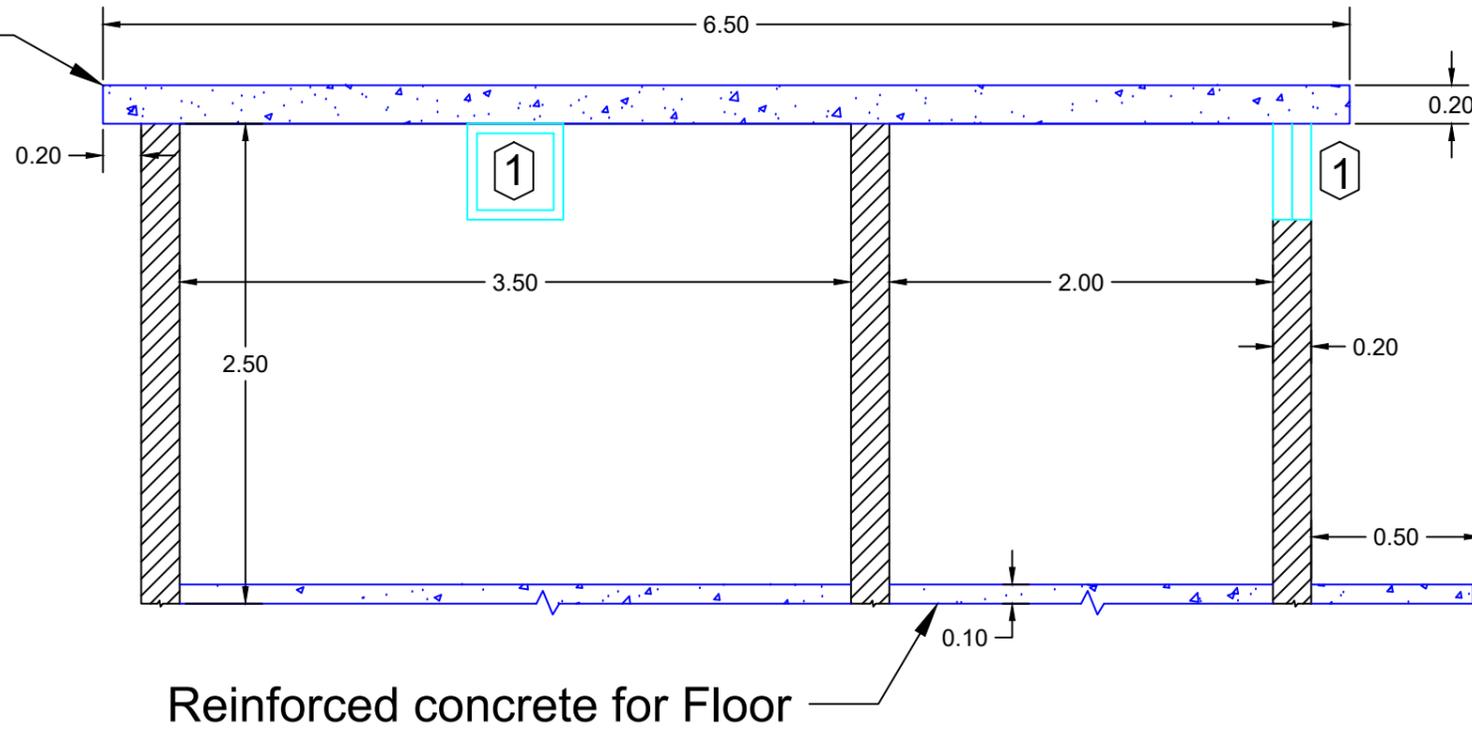
DRAWING TITLE:

Floor Plan



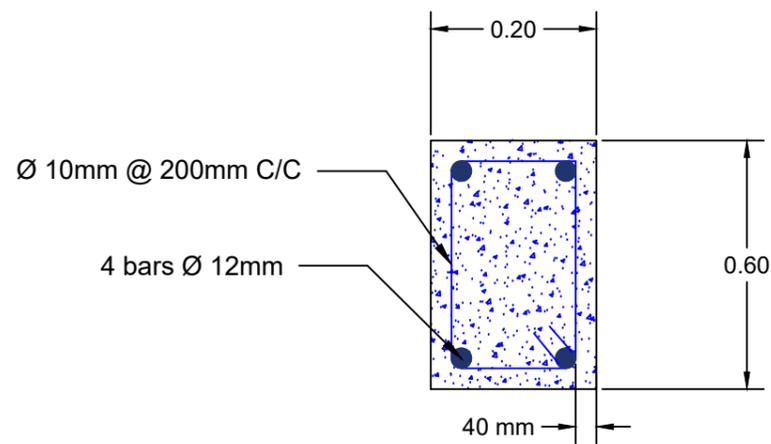
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DRAWN	ENG. AMEEN HASAN ENG. DAKHEEL EEDO
CHECKED AND APPROVED	ENG. MIRZA MURAD PM. ALEXIS AMOS
FILE NAME	SP-WASH-FP-03
SCALE	NTS
COMMENTS:	SHEET No. 3

New Roof
See Detail K/9



Reinforced concrete for Floor

Section(A-A)
Building Cross Section



Detail Y
Concrete Beam



NOTES :

Dimensions are in m and mm

PROJECT TITLE:

**SINJAR LIVING
WATER PROJECT**

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

Building Cross Section

DESIGN	SAMARITAN'S PURSE
DRAWN	ENG. AMEEN HASAN ENG. DAKHEEL EEDO
CHECKED AND APPROVED	ENG. MIRZA MURAD PM. ALEXIS AMOS
FILE NAME	SP-WASH-CS-04
SCALE	NTS

COMMENTS:	SHEET No. 4
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NOTES :

Dimensions are in meter

PROJECT TITLE:

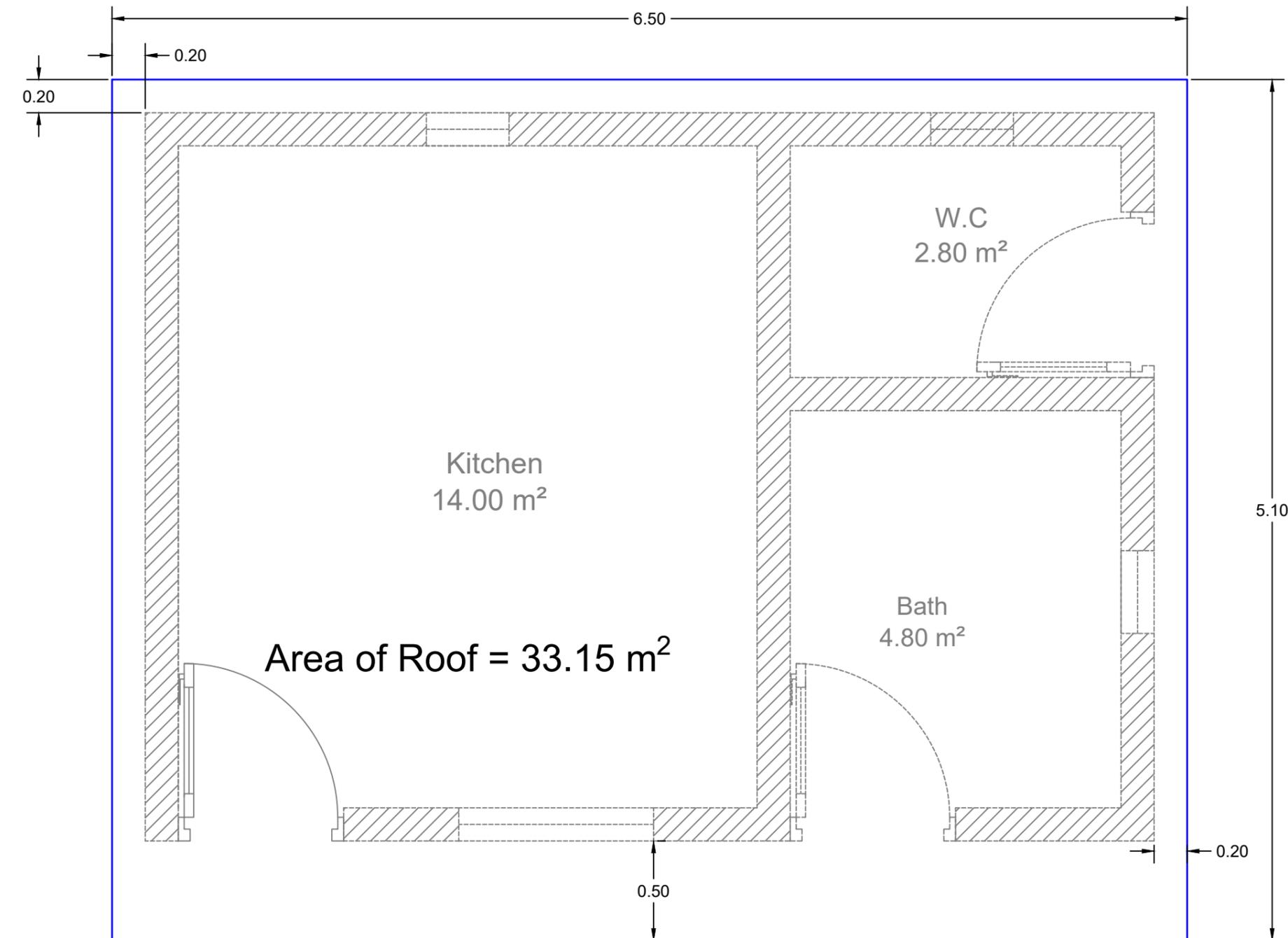
**SINJAR LIVING
WATER PROJECT**

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

Roof Plan



New Roof
See Detail K/9

DESIGN	SAMARITAN'S PURSE
DRAWN	ENG. AMEEN HASAN ENG. DAKHEEL EEDO
CHECKED AND APPROVED	ENG. MIRZA MURAD PM. ALEXIS AMOS
FILE NAME	SP-WASH-RP-05
SCALE	NTS
COMMENTS:	SHEET No. 5

NOTES :

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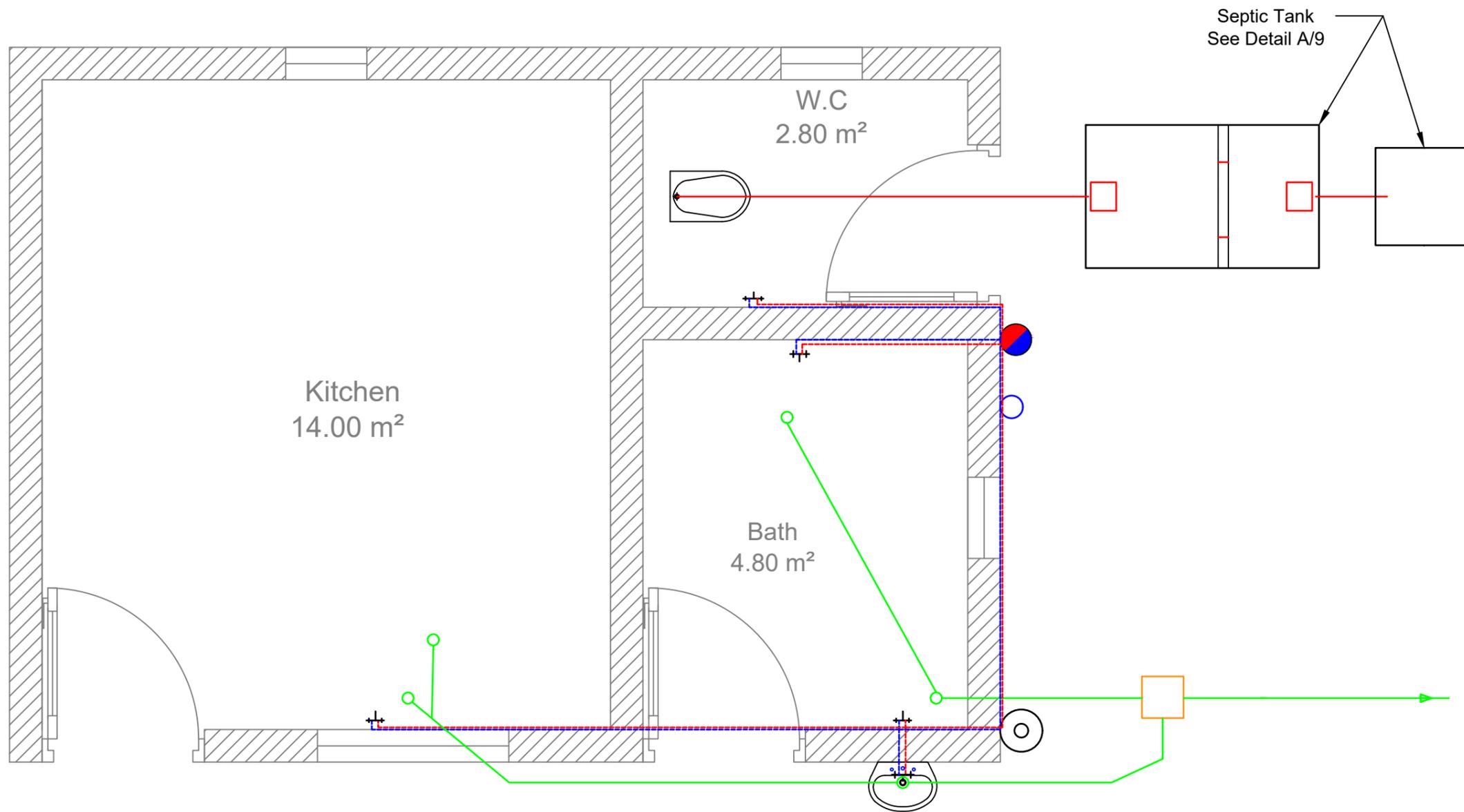
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WATER PROJECT**

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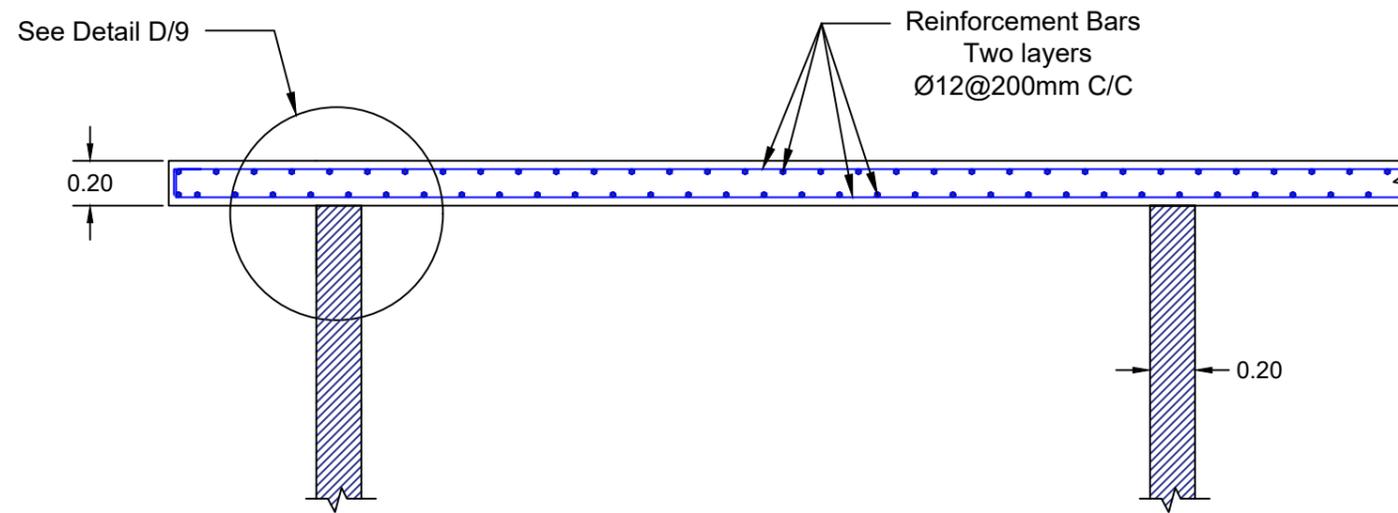
SINJAR / NINEVEH / IRAQ

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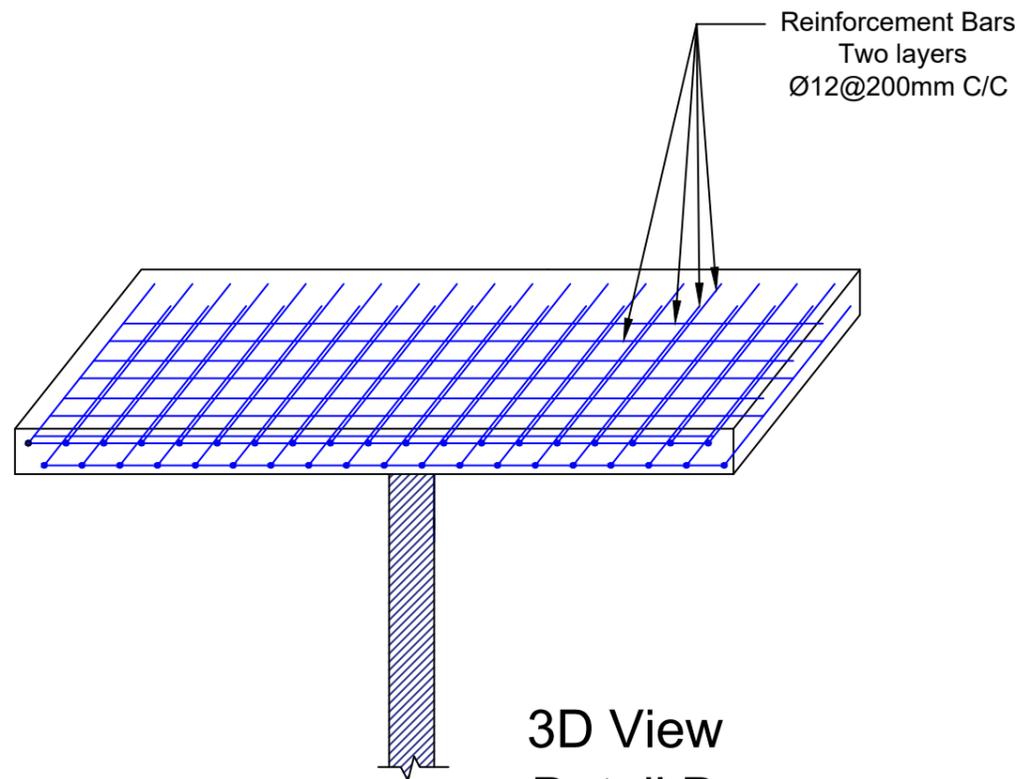
Plumbing Plan



DESIGN	SAMARITAN'S PURSE	
DRAWN	ENG. AMEEN HASAN ENG. DAKHEEL EEDO	
CHECKED AND APPROVED	ENG. MIRZA MURAD PM. ALEXIS AMOS	
FILE NAME	SP-WASH-PP-07	
SCALE	NTS	
COMMENTS:	SHEET No. 7	



Detail K



3D View
Detail D

NOTES :

Dimensions are in meter and millimeter (m & mm)

PROJECT TITLE:

SINJAR LIVING
WATER PROJECT

PROJECT LOCATION:

SINJAR / NINEVEH / IRAQ

DRAWING TITLE:

Slab / Structural Details

DESIGN	SAMARITAN'S PURSE
DRAWN	ENG. AMEEN HASAN ENG. DAKHEEL EEDO
CHECKED AND APPROVED	ENG. MIRZA MURAD PM. ALEXIS AMOS
FILE NAME	SP-WASH-SC-09
SCALE	NTS

COMMENTS:	SHEET No. 9
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