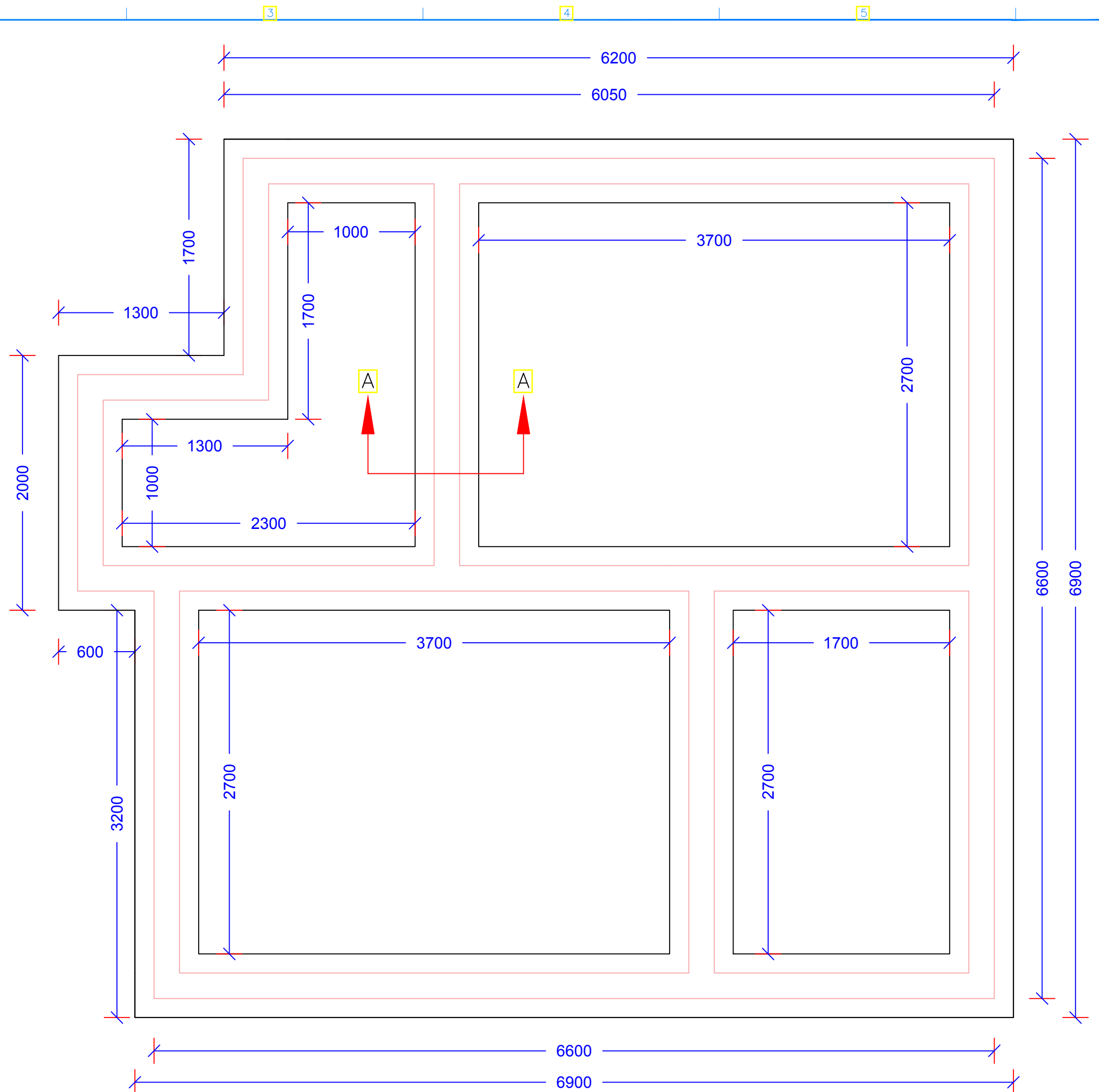


In case of loose soil under stone masonry footing, backfill with gypsum/chalk soil about 30 cm.

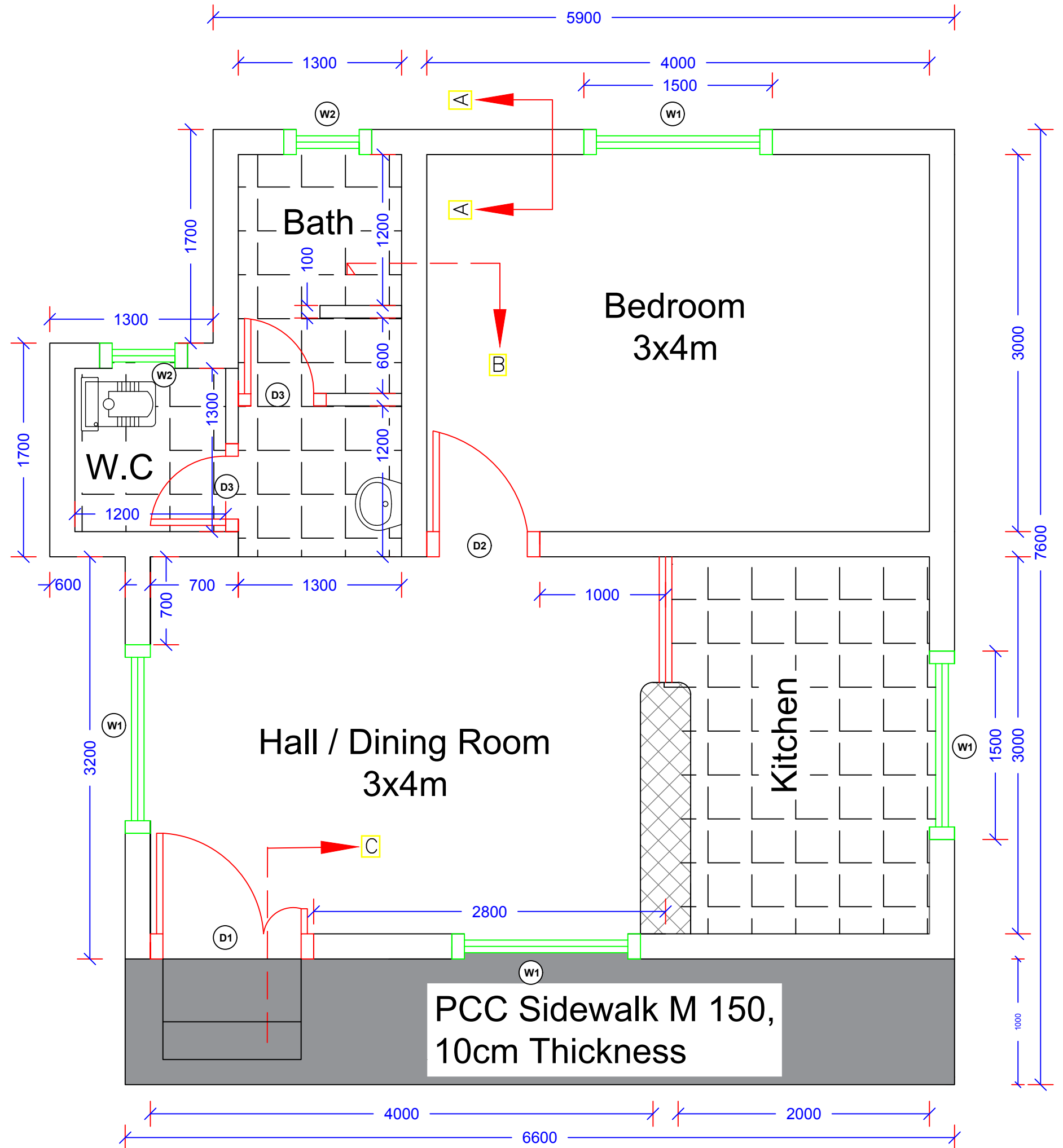
Section A-A

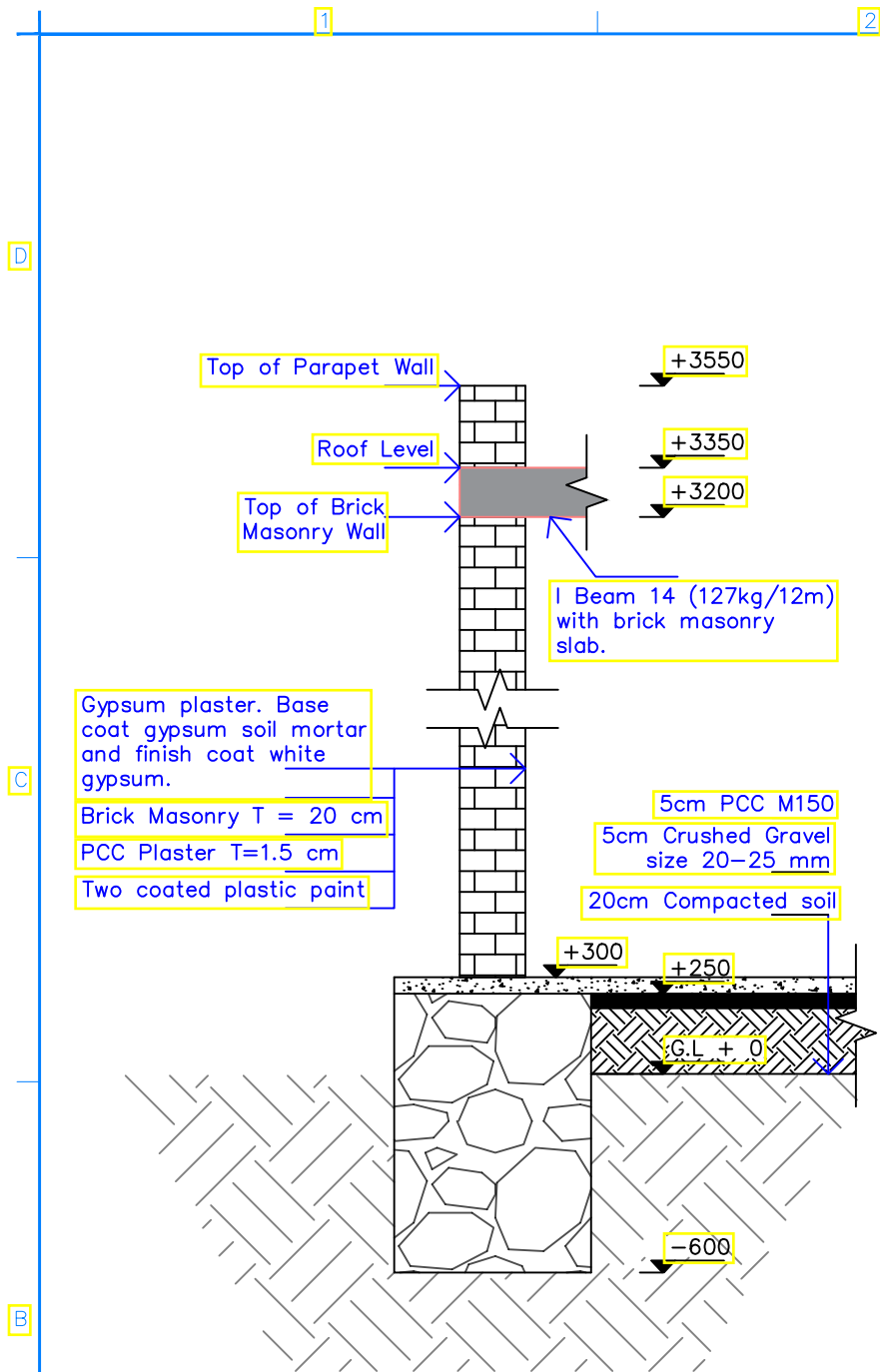
WORLD VISION AFGHANISTAN		World Vision ورلد ویژن	
SHELTER FOR VULNERABLE WOMEN AND CHILDREN PROJECT			
Province:	District:	Village:	Project Id number:
Herat	Enjili	Khaja Abdul Mesr	A213151
Designed by:	Drawn By:	Reviewed by:	File name:
CONSTRUCTION-ENG	CONSTRUC-ENG	WASH ADVISOR	SHELTER DRAWING.DWG
FOUNDATION PLAN			Sheet Reference Number: A3 W-01 1 of 9
Plot Date: 18-Mar-21			Plot Scale: NTS



DOOR AND WINDOW LEGEND TABLE				
Number	Name	Dimension (mm)	Type	Numbers
1	Window 1	1500 x 1500	Metallic	4
2	Window 2	700 x 500	Metallic	2
3	Door 1	1200 x2700	Metallic	1
4	Door 2	1000 x 2700	China pre fabricated (ANSAR DOOR)	1
5	Door 3	700 x 2200	Aluminum pre-fabricated door	2

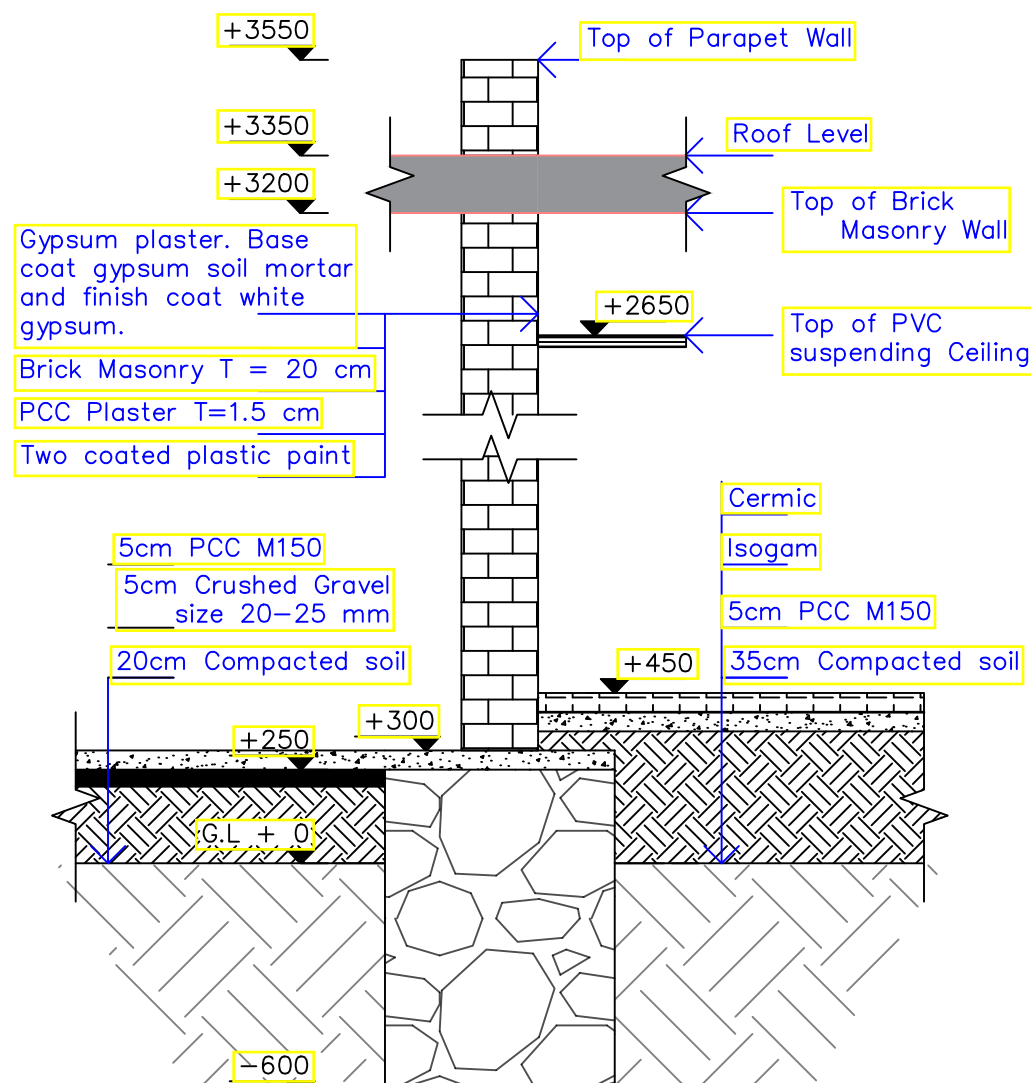
Plot Scale:
NTS





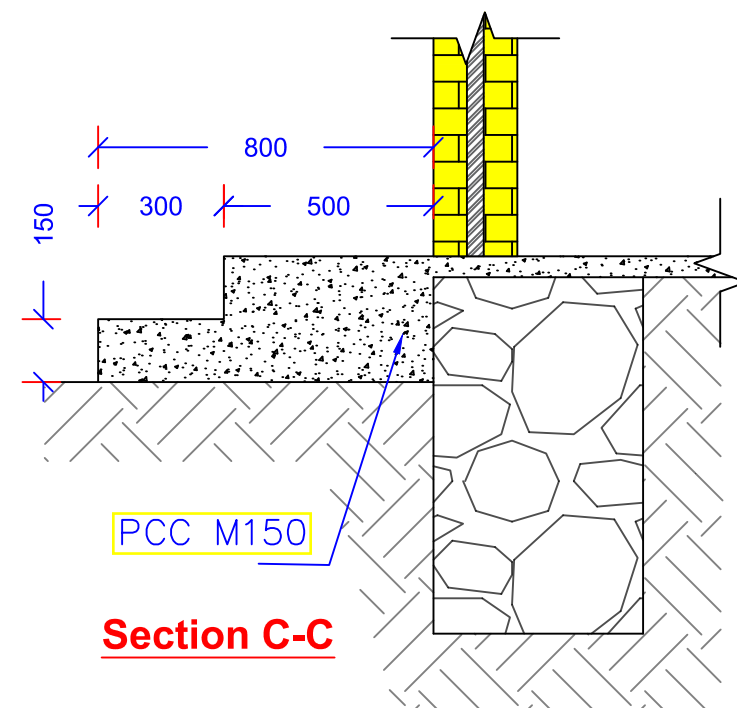
In case of lose soil under stone masonry footing, backfill with gypsum/chalk soil about 30 cm.

Section A-A

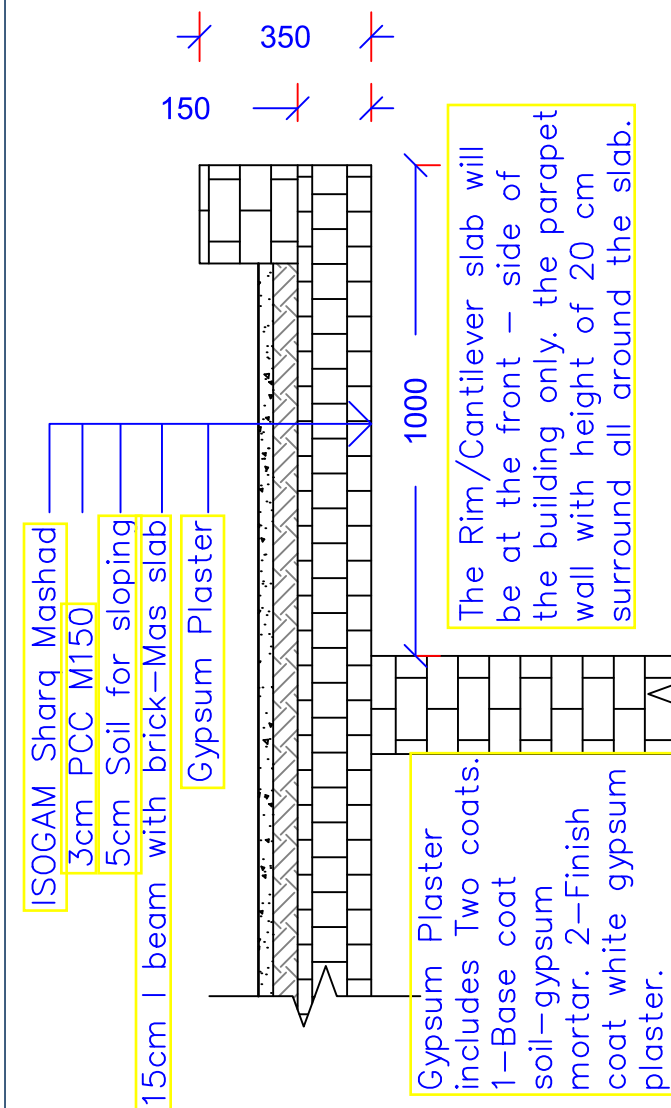


In case of lose soil under stone masonry footing, backfill with gypsum/chalk soil about 30 cm.

Section B-B

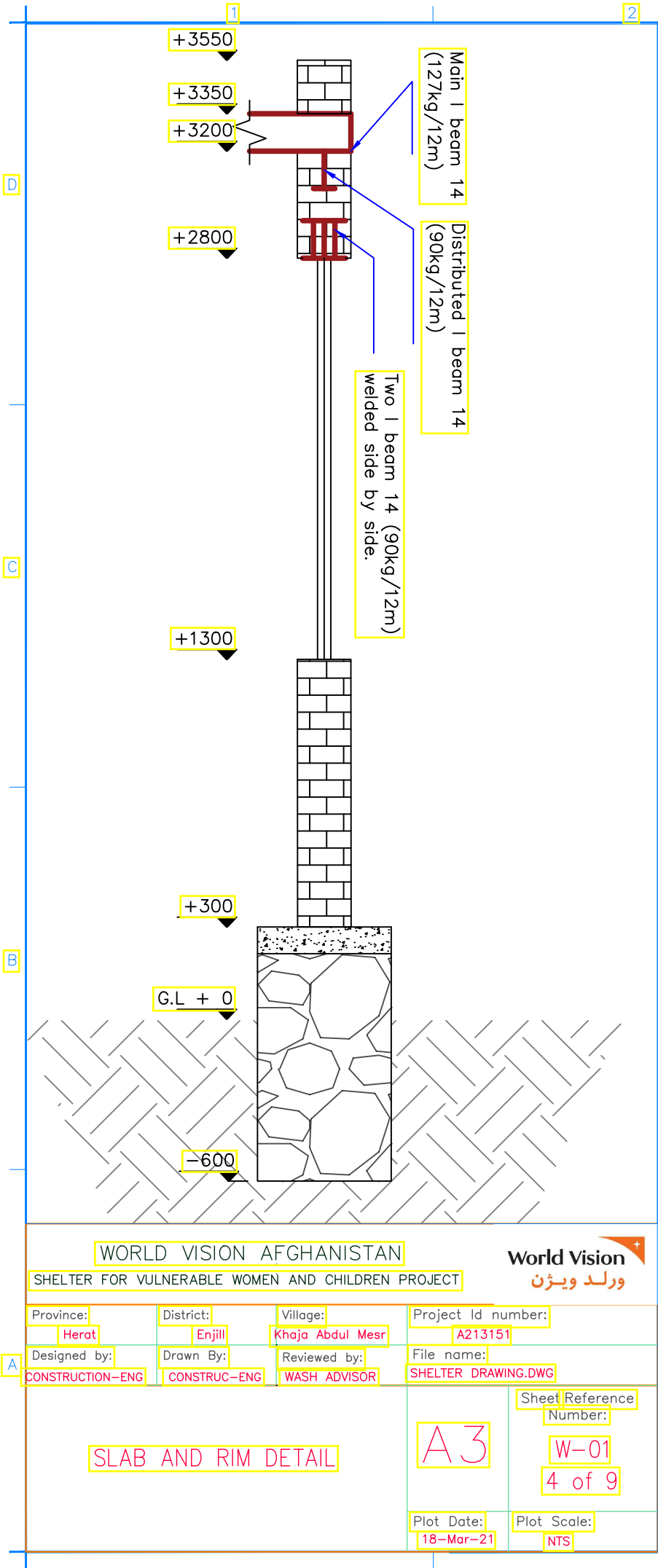


Section C-C

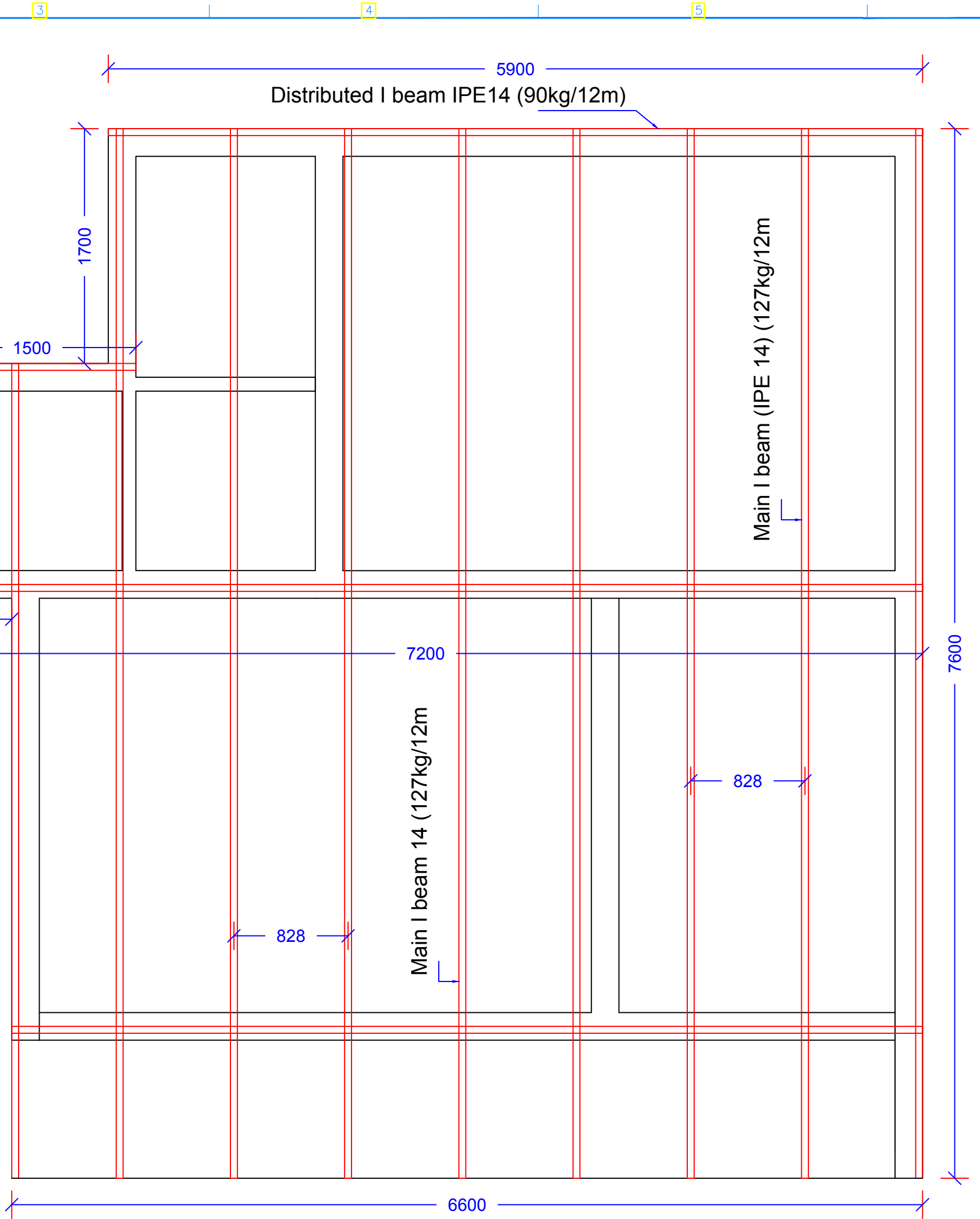


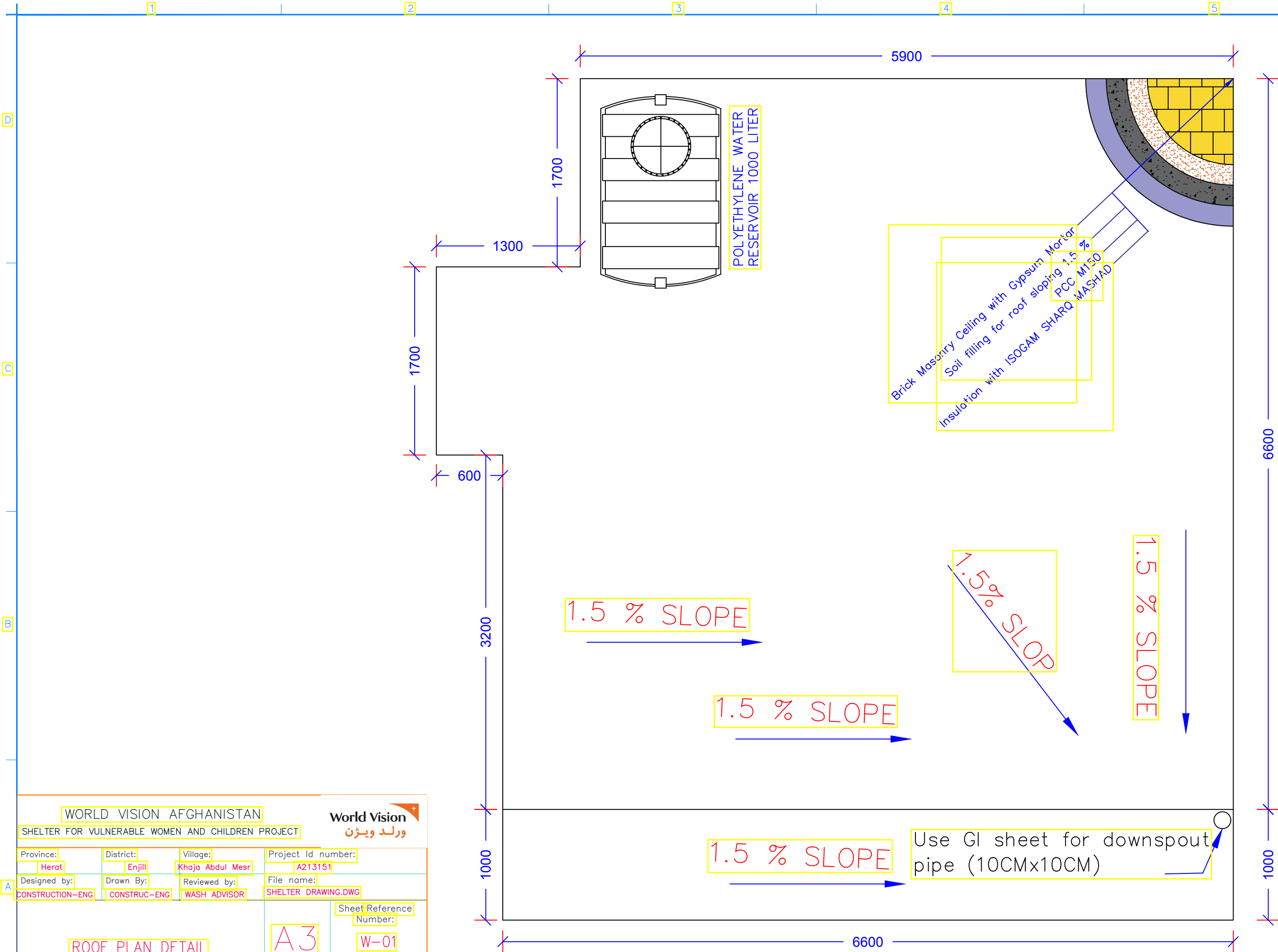
RIM SLAB DETAIL

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Designed by:	Drawn By:	Reviewed by:	File name:
CONSTRUCTION-ENG	CONSTRUCTION-ENG	WASH ADVISOR	SHELTER DRAWING.DWG
SECTION DETAIL		Sheet Reference Number:	
A3		W-01	
3 of 9		Plot Date:	
1-Apr-21		Plot Scale:	
NTS			



- Notes:**
- All dimensions are in millimeter unless otherwise mentioned
 - All Main I Beams are I beam with IPE 14 (127 kg/12m).
 - Distributed Beams are IPE 14 (90kg/12m).
 - Lintels at each openings (doors and windows) are tow I beams with IPE 14 (90kg/12m) welded side by side with 30cm development length on each side.
 - Use spacing and dimensions shown in the drawing.





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SHELTER FOR VULNERABLE WOMEN AND CHILDREN PROJECT

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ROOF PLAN DETAIL

A3

W-01

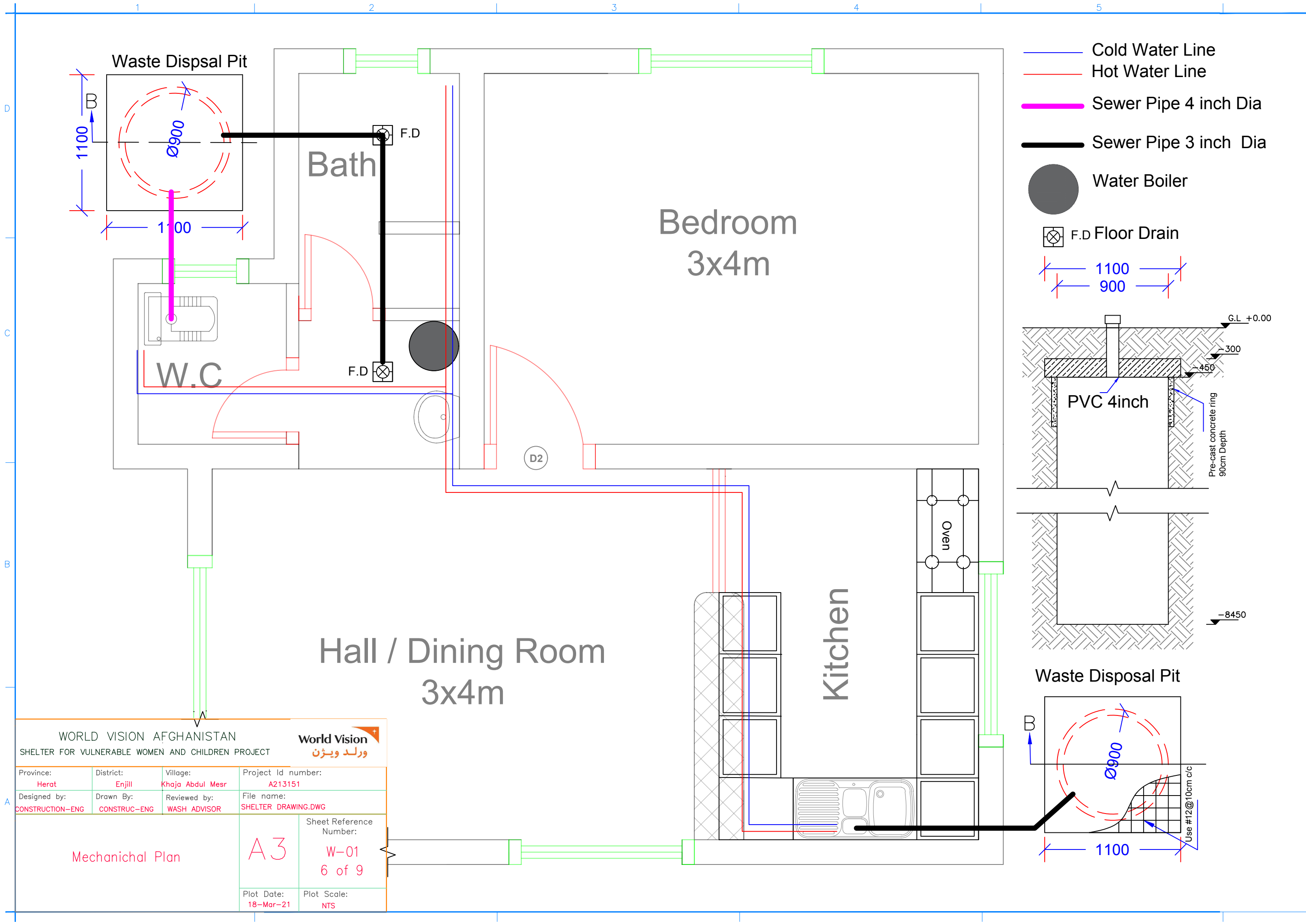
5 of 9

Plot Date:

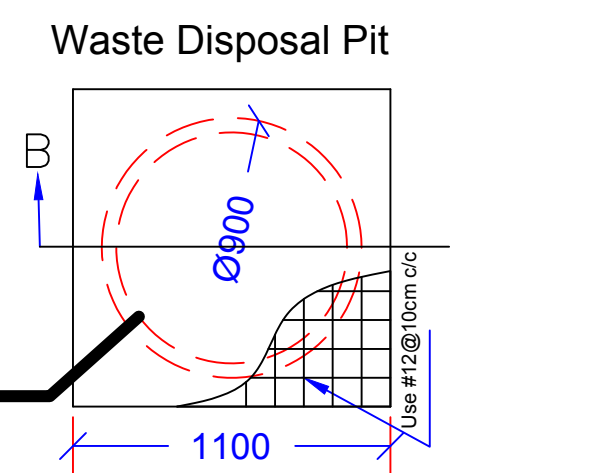
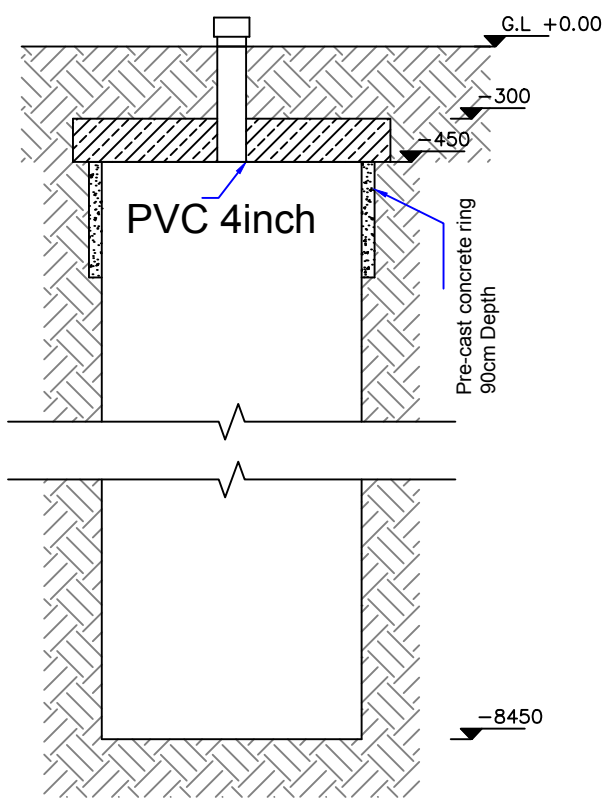
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Plot Scale:

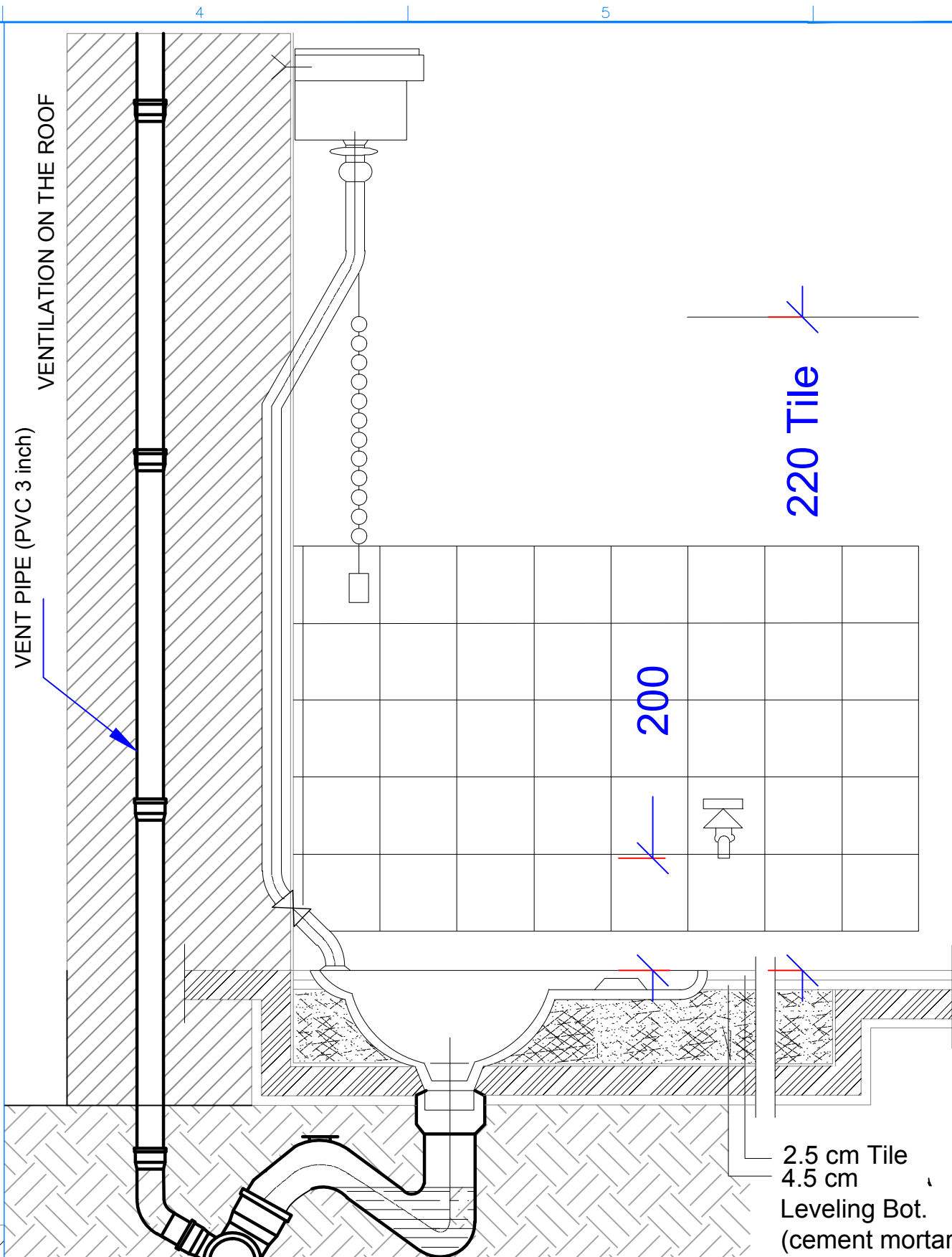
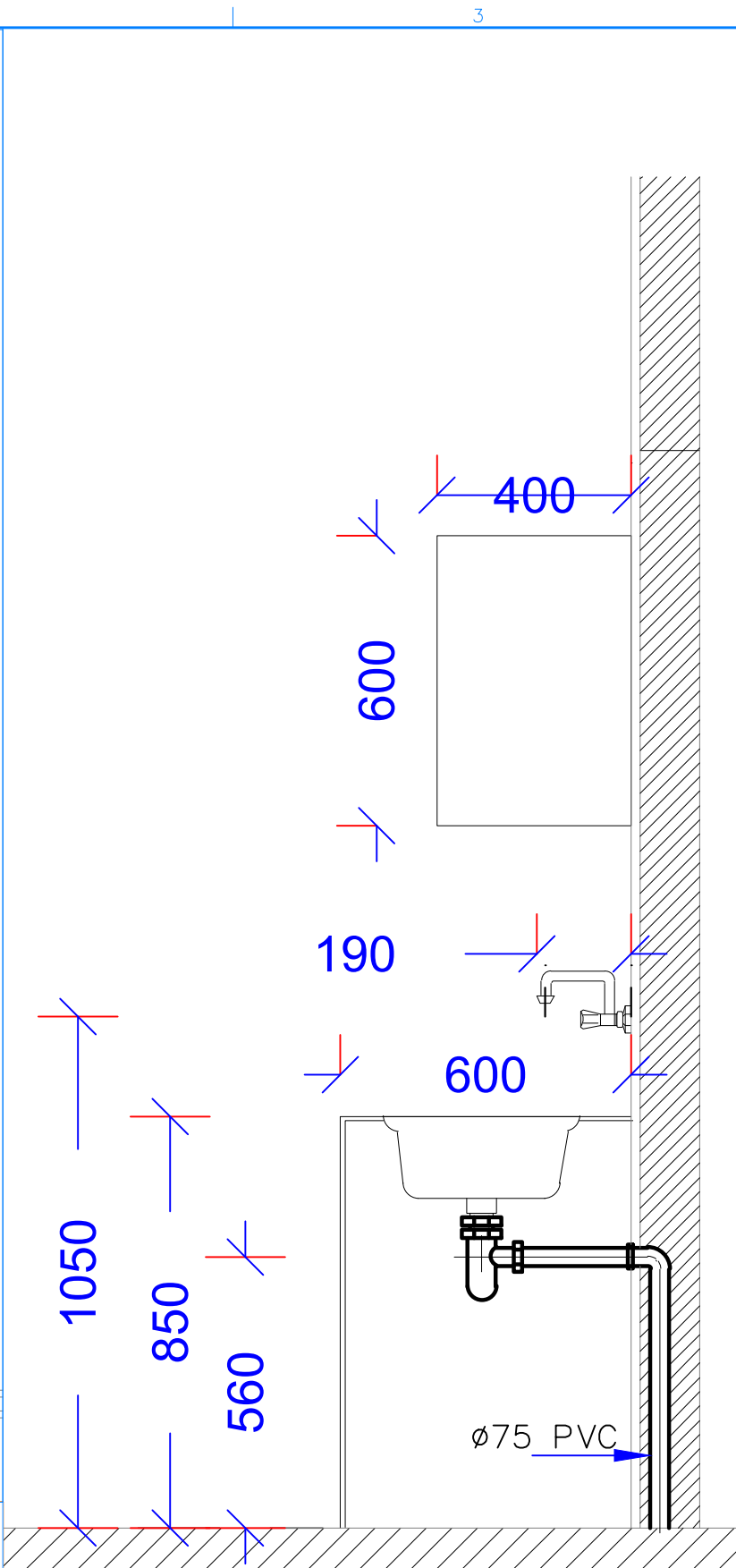
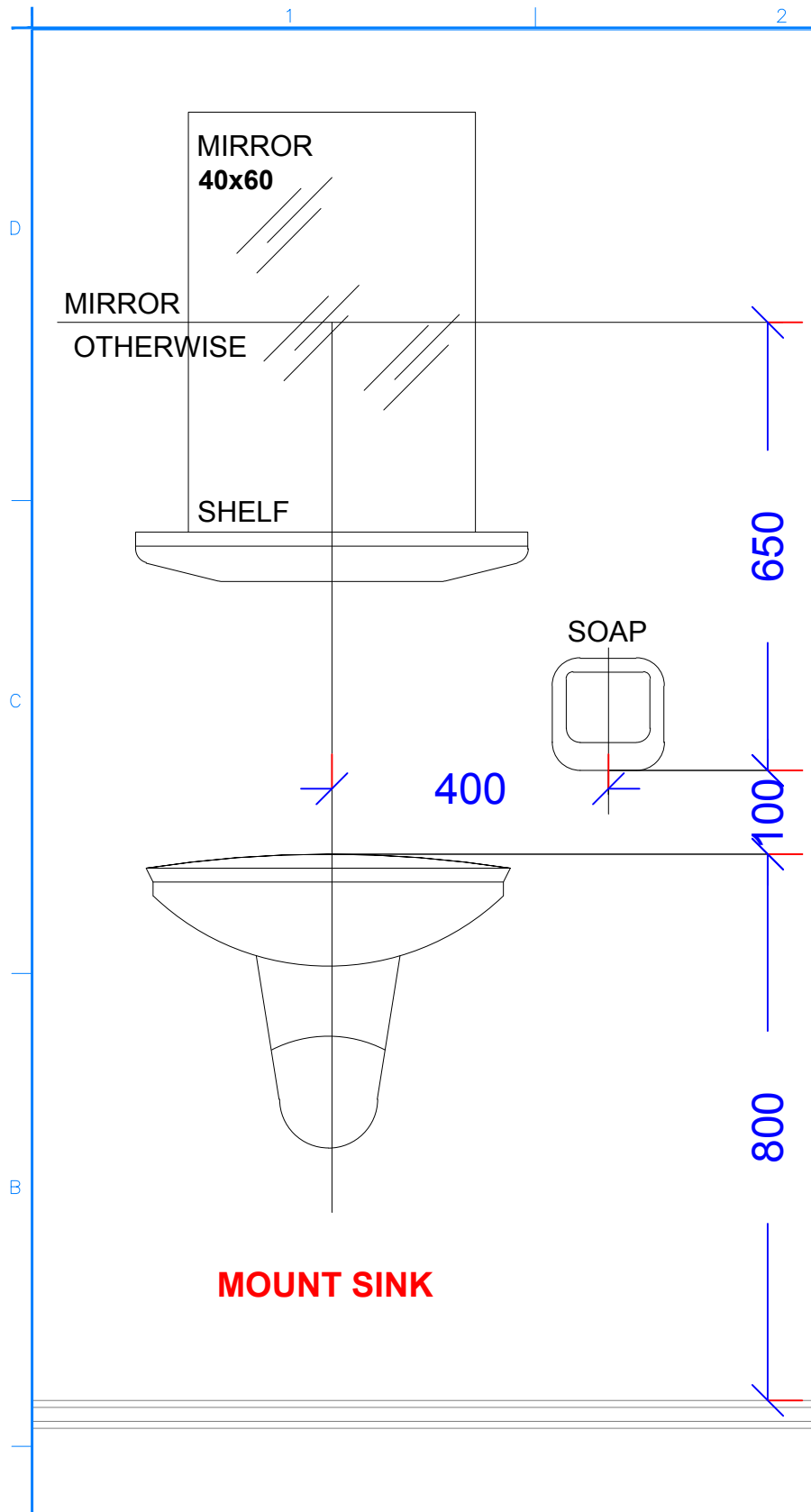
NTS



- Cold Water Line
- Hot Water Line
- Sewer Pipe 4 inch Dia
- Sewer Pipe 3 inch Dia
- Water Boiler
- F.D Floor Drain
- 1100
- 900

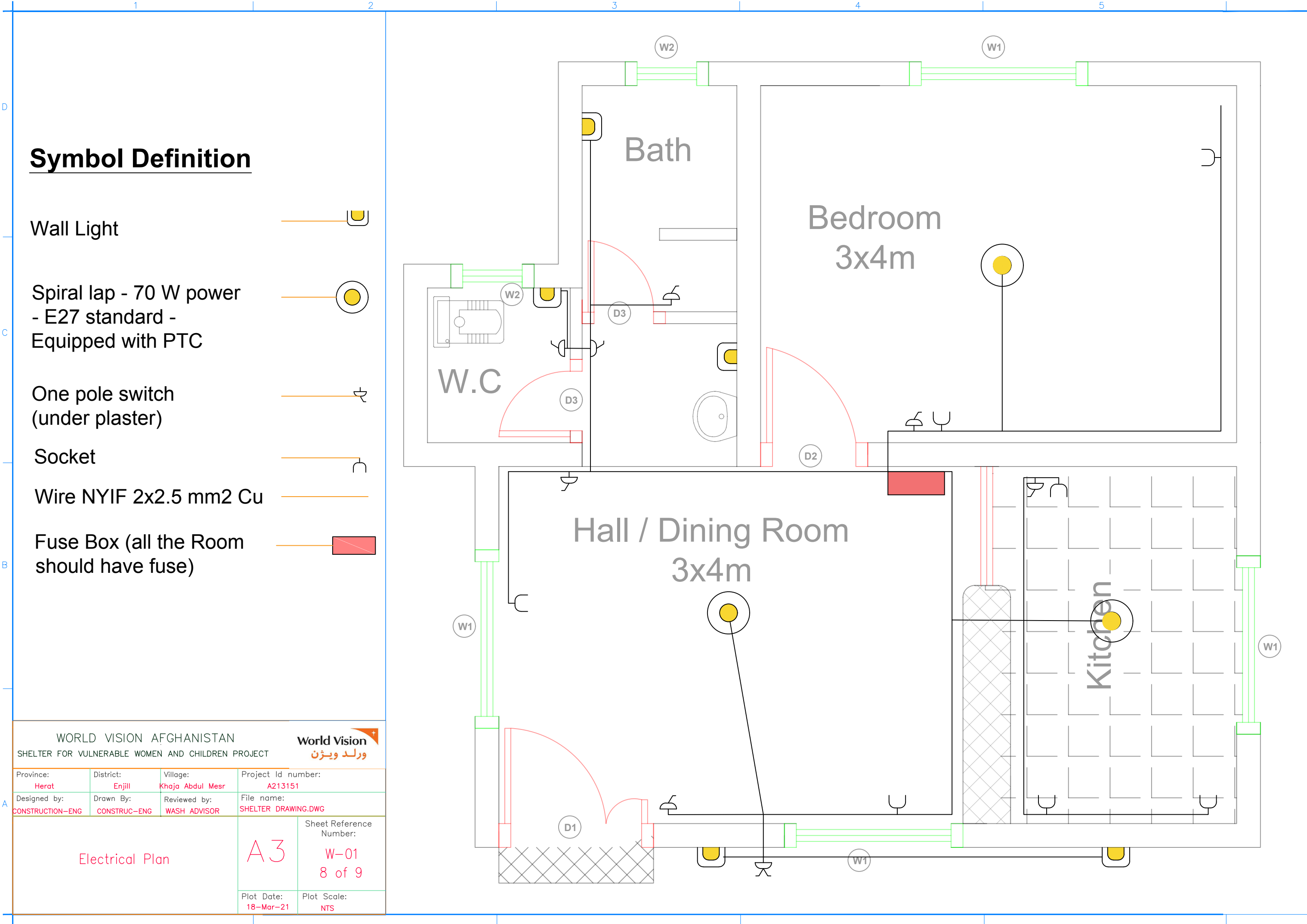


WORLD VISION AFGHANISTAN SHELTER FOR VULNERABLE WOMEN AND CHILDREN PROJECT			
Province: Herat	District: Enjill	Village: Khaja Abdul Mesr	Project Id number: A213151
Designed by: CONSTRUCTION-ENG	Drawn By: CONSTRUC-ENG	Reviewed by: WASH ADVISOR	File name: SHELTER DRAWING.DWG
Mechanical Plan		Sheet Reference Number: A3 W-01 6 of 9	Plot Date: 18-Mar-21 Plot Scale: NTS



WORLD VISION AFGHANISTAN SHELTER FOR VULNERABLE WOMEN AND CHILDREN PROJECT			
Province: Herat	District: Enjill	Village: Khaja Abdul Mesr	Project Id number: A213151
Designed by: CONSTRUCTION-ENG	Drawn By: CONSTRUCTION-ENG	Reviewed by: WASH ADVISOR	File name: SHELTER DRAWING.DWG
Sanitary Fixtures		A3	Sheet Reference Number: W-01 7 of 9
Plot Date: 18-Mar-21		Plot Scale: NTS	

**DIMENSION AND CONNECTION DETAILS
PLACEMENT OF EASTERN TOILETS**



Symbol Definition

Wall Light



Spiral lap - 70 W power
- E27 standard -
Equipped with PTC



One pole switch
(under plaster)



Socket




Wire NYIF 2x2.5 mm2 Cu



Fuse Box (all the Room
should have fuse)



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Province: Herat	District: Enjill	Village: Khaja Abdul Mesr	Project Id number: A213151		
Designed by: CONSTRUCTION-ENG	Drawn By: CONSTRUC-ENG	Reviewed by: WASH ADVISOR	File name: SHELTER DRAWING.DWG		
Electrical Plan		A3	Sheet Reference Number: W-01 8 of 9		
Plot Date: 18-Mar-21		Plot Scale: NTS			

D

C

B


A

WASH Provision for shelter.

- a. Supply and installation of 1000 liter Horizontal water tank (polyethylene plastic tank).
- b. Pipe distribution inside shelter. PPR pipe, with PN 20, shall be used for cold and hot water pipeline.
- c. PVC pipe 6 bar shall be used for sewer system
- d. insulation of pipes where exposed to the open air. like Inlet and outlet pipes.
- e. All Pipes, vertical and horizontal shall run beneath wall surface.
- f. **Sanitary fixtures:**
 - f.a. supply and installation of hand washing sink, mixer valve, mirror, and soap shelf along with water supply and sewer connection.
 - f.b. supply and installation of shower, mixer valve for shower, floor drain, with all required water and sewer connections inside bath.
 - f.c. supply and installation of Eastern water closet, flash tank 9litre capacity, Moslem shower with PIS valve inside W.C. with all water and sewer connections.
 - f.d. supply and installation of dish washing sink, dish washing mixer valve inside kitchen with all water and sewer connection.
- g. **Waste disposal pit**
 - g.a. digging of tow pits one for Bath and WC and one for kitchen. with 90cm diameter and 8 meter depth.
 - g.b. construction of RCC Cover 110x110mm dimension with 15 cm thickness for pits.
 - g.c. supply and installation of two RCC ring at top of pit.
 - g.d. the inlet pipe shall be at least 30 cm lower than RCC cover.
 - g.e. removal of the excavated materials from the site.
- h. Leakage test shall be done for both water supply and sewer system to ensure there is no leakage in the pipe system.
- i. installation of P-Trap system for all floor drains and W.C sink and dish washing sink.
- j. ensure P-Traps are installed level to avoid bad odors.
- k. installation of vent pipe for toilet. ensure the vent pipe is placed inside the brick masonry wall.

Doors and windows

- a. **Metalic door and windows:** supply and installation of one metal door for Hall, 4 metalic window for kitchen, hall and bedroom same size and tow metalic window for bath and toilet same size, as per following specification.
 - a.a. all profile (Doors and windows) should be 16 gauge painted with (one layer of rust proof , tow layers of silver color oil paint.
 - a.b. door casing -U-LARAN 16 gauge.
 - a.c. door panels 18 gauge -IRON sheet.
 - a.d. door rail profile (8x4)cm 16 gauge.
 - a.e. Door and window glass panels - 4mm blue color glass
 - a.f. manual lock and latch set at both side.
 - a.g. prior to installation door should be properly painted with (one layer of rust proof , two layers of silver color oil paint.)
- b. **Bedroom :** supply and installation of pre-fabricated door made in china.
 - b.a. prior to supply and installation, the door shall be check and approve by World Vision engineer.
- c. **Toilet, and Bath door:**
 - c.a. supply and installation of pre-fabricated aluminum door.
 - c.b. prior to installation shall be approved by world vision responsible engineer.

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Designed by:	Drawn By:	Reviewed by:	File name:
CONSTRUCTION-ENG	CONSTRUC-ENG	WASH ADVISOR	SHELTER DRAWING.DWG
WASH SPEC			Sheet Reference Number:
			9 of 9
Plot Date:			Plot Scale:
1-Apr-21			NTS