

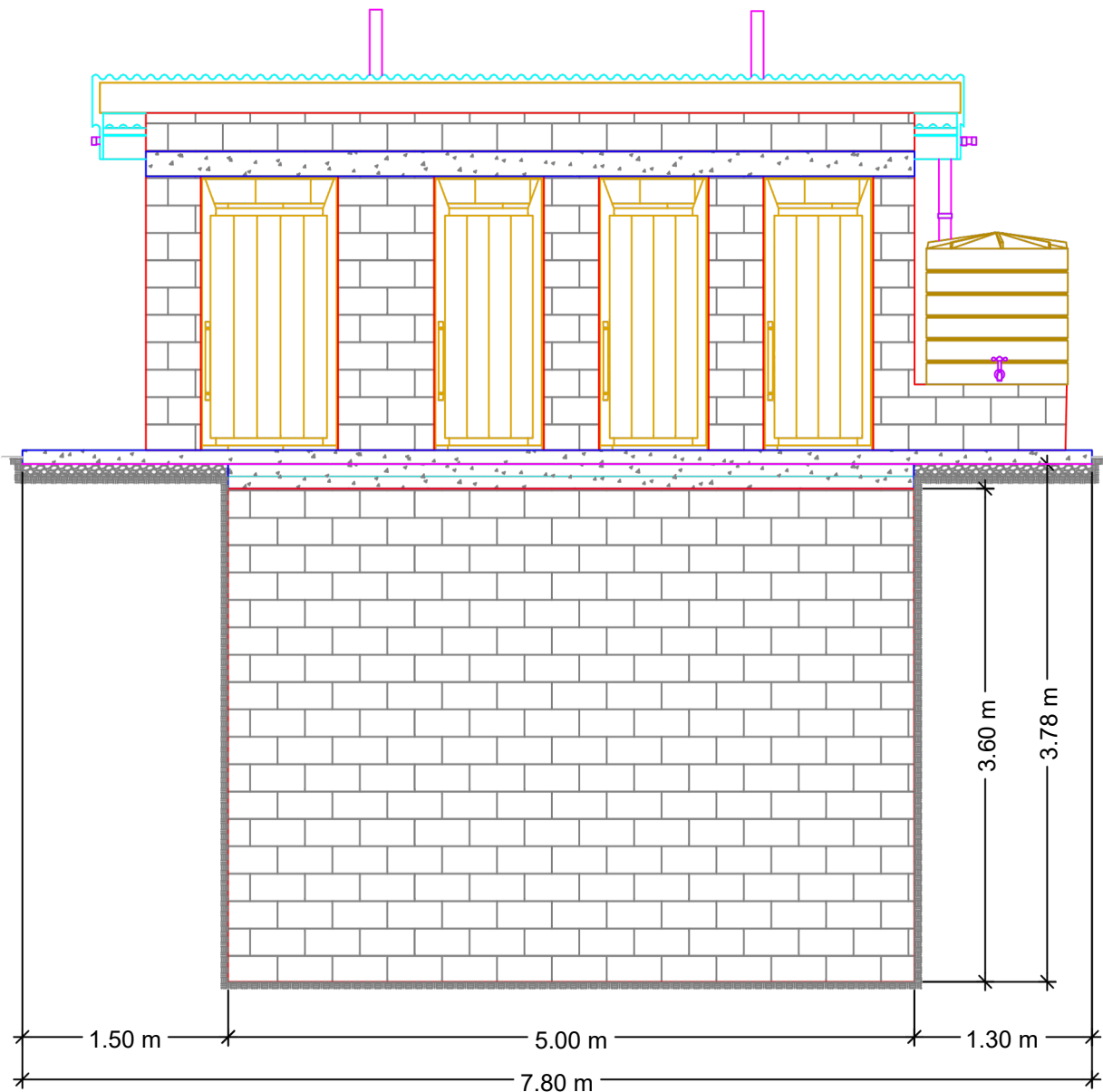
#### NOTES

1. Area of 8m x 4m to be cleared and perfectly leveled.
2. All WASH infrastructure to be located at least 30m from water sources. Distances to be increased near fissured rock.
3. Ensure the base of the pit is at least 1.5m above the highest recorded groundwater level.
4. Do not excavate below 2.00m manually in soft soils if there is a risk of collapse.
5. Water storage tank should be properly sized to take into account roof size, daily water demand, and average rainfall data.

DRAWING NO. <b>D-407</b>	DRAWING TITLE:	DRAWNBY :	SCALE
	<b>DESLUDGABLE TOILET</b>	<b>GGM</b>	1:40
	<b>SIDE VIEW</b>	REVISED BY : <b>KAPS</b>	DATE
		CHECKED BY : <b>Minhaj</b>	<b>18/09/2025</b>



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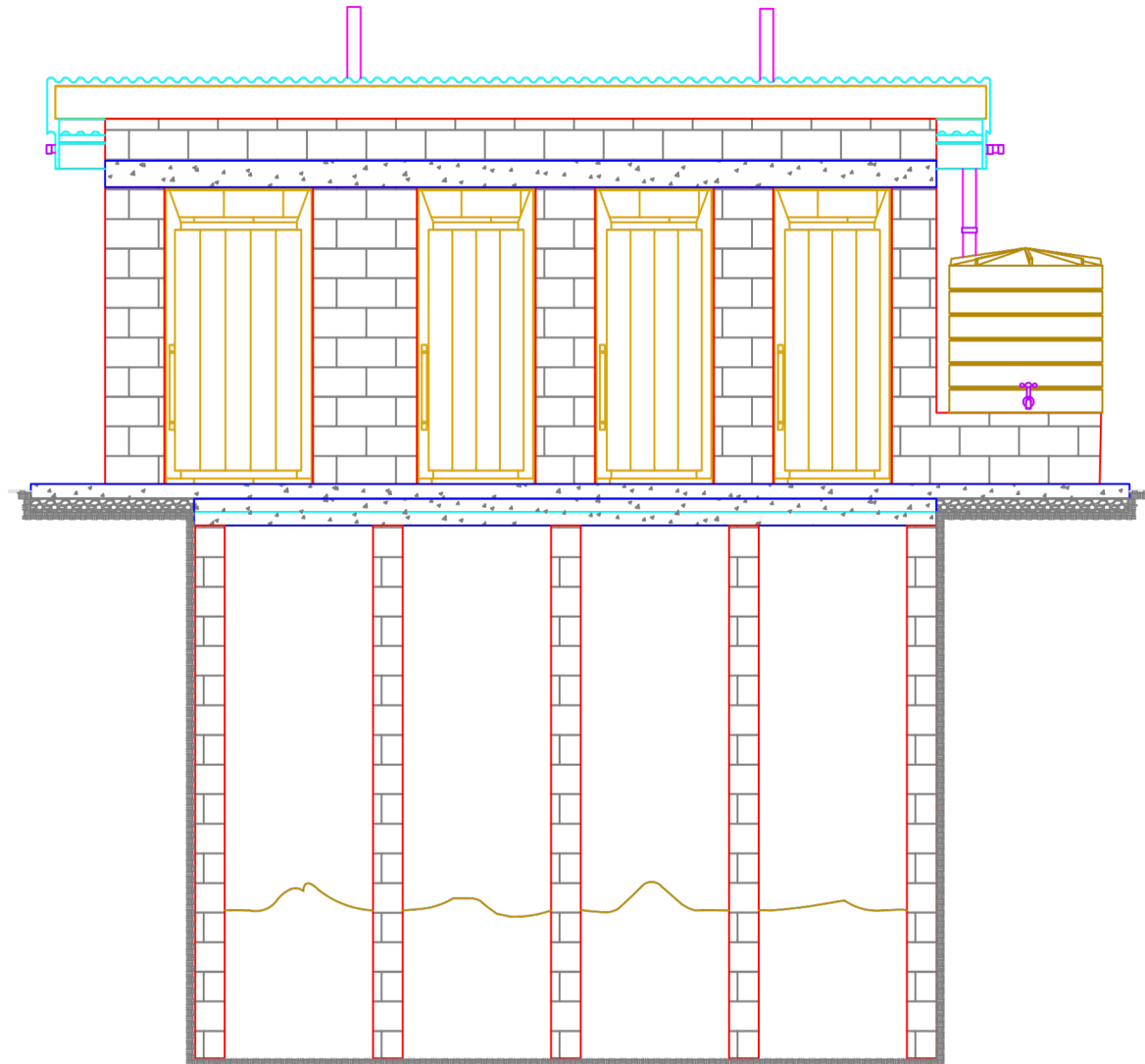


**NOTES**

1. Below ground structure to be constructed from high quality cement blocks 20cm x 20cm x 40cm with 4cm wall and web thickness.
2. Below ground mortar 1 part cement to 3 parts coarse sand. Above ground 1 part cement to 4 parts sand.
3. Ensure the vault structure is perfectly square and level (perform a 3-4-5 triangle check in the corners).
4. Ensure the slab is kept damp and covered (out of direct sunlight) for at least 7 days.

DRAWING NO. <b>D-407</b>	DRAWING TITLE: <b>DESLUDGABLE TOILET FRONT VIEW</b>	DRAWNBY :	SCALE
		CGM	1:50
		REVISED BY : KAPS	DATE
		CHECKED BY: Minhaj	18/09/2025



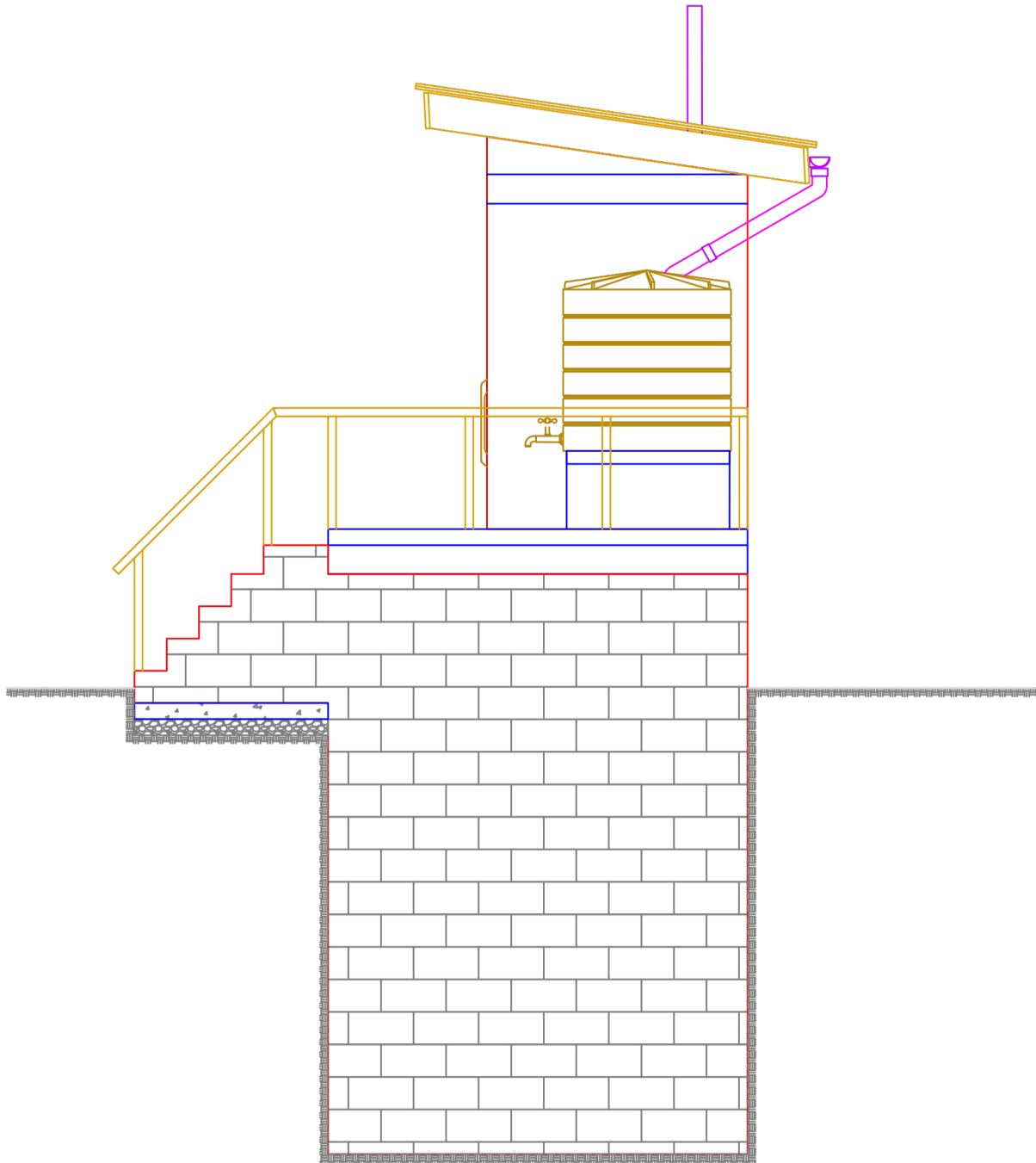


**NOTES**

1. Do not block the base of the pit, it should be left open to facilitate drainage.
2. Vaults to be emptied by desludging tanker (vacuum type) and should not be emptied by manual methods.
3. Note that water may be required to liquefy vault contents if the latrine has been in use for many years.
4. Suction hose to enter either through squatting hole or through access cover.
5. Note that if desludging tankers are not available then manual emptying should only take place after a stabilization period of 2 years (Guidelines for the Safe Use of Wastewater, Excreta, and Greywater, WHO 2006).

DRAWING NO. <b>D-407</b>	DRAWING TITLE: <b>DESLUDGABLE TOILET VAULT SECTION</b>	DRAWNBY :	SCALE
		CGM	1:50
		REVISED BY : KAPS	DATE
		CHECKED BY: Minhaj	18/09/2025





**NOTES**

1. Pit depth and platform height to be determined by site conditions (e.g. hard rock depths, groundwater table levels, flood levels).
2. Proper drainage in flood prone areas to convey away flood water.
3. In situations of floods in emergency context, can use sandbags to protect the infrastructure from damage

DRAWING NO.

**D-407**

DRAWING TITLE:

**DESLUDGABLE TOILET**

**RAISED OPTION**

DRAWNBY :

**CGM**

REVISEDBY : **KAPS**

CHECKED BY: **Minhaj**

SCALE

**1:40**

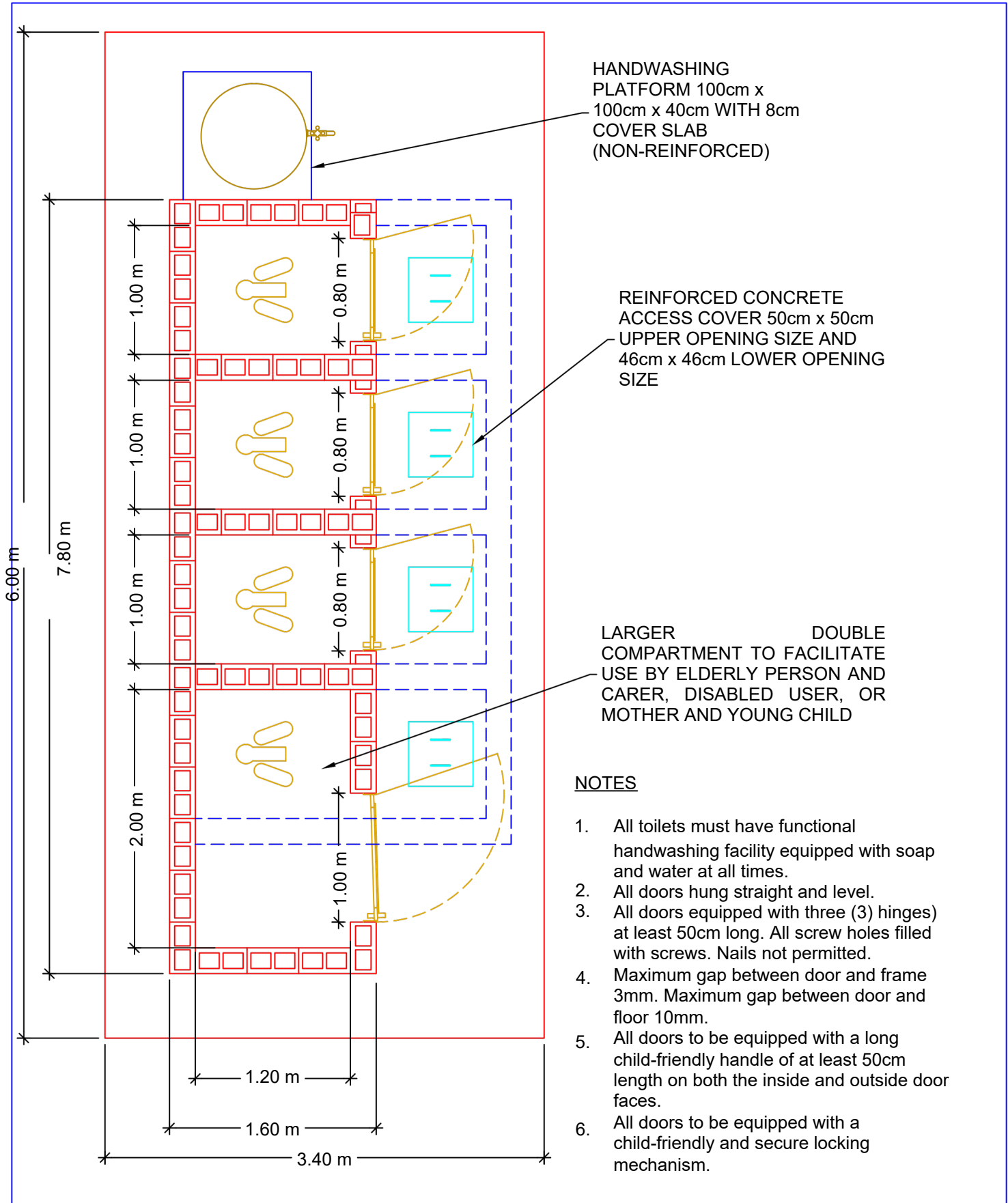
DATE


**18/09/2025**

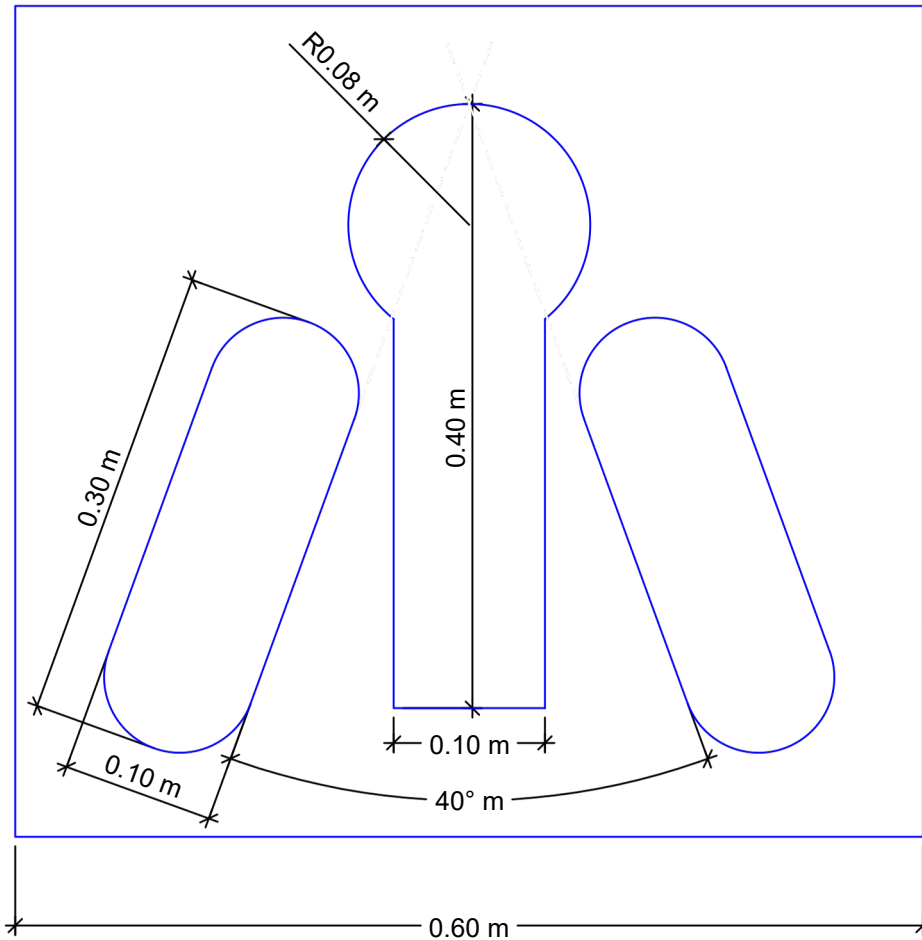


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DRAWING NO. <b>D-407</b>	DRAWING TITLE: <b>DESLUDGABLE TOILET CUBICLE LAYOUT</b>	DRAWN BY: <b>GGM</b>	SCALE 1:40	 <b>UNHCR</b> The UN Refugee Agency FIELD OFFICE
		REVISED BY: <b>KAPS</b>	DATE 18/09/2025	
		CHECKED BY: <b>Minhaj</b>		



**NOTES**

1. The keyhole template should be made from 2cm thick wooden board.
2. The shape of the foot rests should ideally be cut out using a jig-saw or other fine saw blade.
3. The final height of the foot rests is 2cm above the slab.
4. Slab surface to be given a light brush finish to prevent slip risk.

DRAWING NO. <b>D-407</b>	DRAWING TITLE: <b>DESLUDGABLE TOILET KEYHOLE TEMPLATE</b>	DRAWNBY : <b>CGM</b>	SCALE 1:40	 <b>UNHCR</b> The UN Refugee Agency FIELD OFFICE
		REVISED BY : <b>KAPS</b>	DATE 18/09/2025	
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