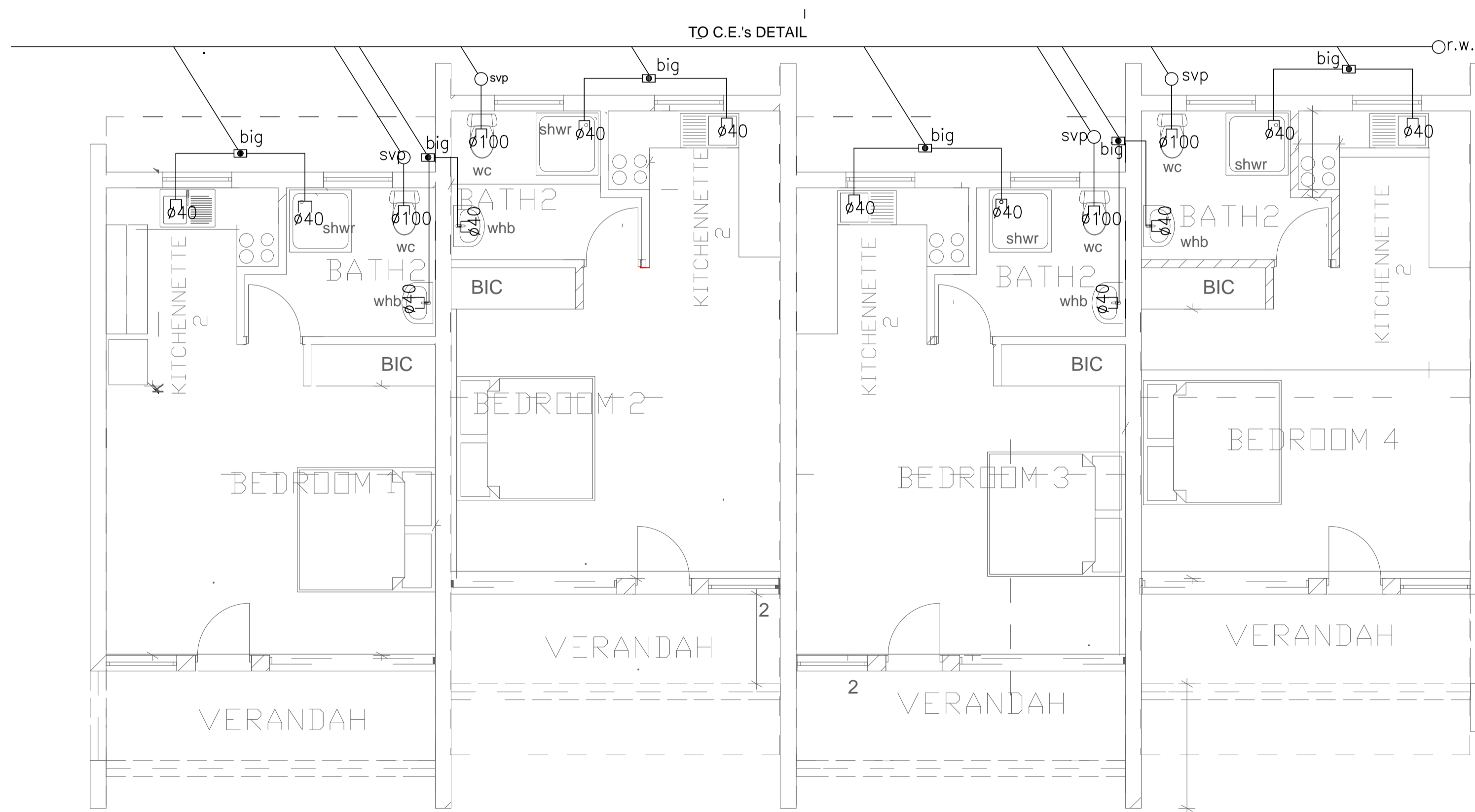


**WATER NOTES**

- Hot and cold water pipes shall be of copper to BS 2871 part 1 with fittings connex or similar approved compression or capillary fittings
- Valves for hot and cold water to be fullway gate valves to BS 1952-01956 or ball valves of beams or slabs.
- All pipes to be suitably supported by brackets or holderbatts fixed to walls,
- Spacing of pipe supports: 18mm or less-2m; 20mm to 28mm-2.5m; 32mm to 50mm-3m. with canvas lagging.
- Hot water pipes in ceiling space to be insulated with fibreglass and protected
- All pipes through walls beams and slabs are to be sleeved
- Sleeves shall be black steel to BS 1387 medium or PVC tube
- Space between pipe and sleeve shall be chalked with asbestos chord
- No joints to be embedded in walls except for showers.
- 25mm vent pipe from water heater to the the nearest drain



**DRAINAGE NOTES**

- All drain pipes shall be PVC unless otherwise specified.
- All drain pipes in slabs, through walls shall be sleeved to the approval of the supervising engineer.
- All bends and joining branch pipes shall have an inspection eye/cover.
- drain pipes shall be of PVC with the following minimum sizes:  
 wc - - - - - Ø100  
 Ur - - - - - Ø40  
 Whb - - - - - Ø40
- All pipes in the ground ( outside building ) should be laid a minimum depth of 750mm below surface.
- All wc's to have a short stub vent complete with cowl except specified.
- All junctions and radius bends to have an inspection / access cover.
- All drain pipes shall have a minimum fall of 1:60 unless otherwise specified.
- Refer to Civil Engr's drawings for continuation of pipeworks outside the buildings to the nearest sewer /drainage reticulation pipe work.
- All installations to comply with new model building by laws.
- All vent pipes to discharge to atmosphere at 300mm above roof level with galvanised or copper bird guard.

Notes	AMENDMENT		Description :	Ministry of Local Government, and Public Works P.O. Box CY441 , Causeway Zimbabwe	Architect	Branch Head	Ministry	Centre		
	Ltrr	date			Init	M. Dube	Eng H. Hungwe	FINANCE	Forbes Border Post Mutare	
						Designed	Section Head	Title		
						K. Nyemba	D. Takandisa	Staff Accomodation		
				Drawn	Scale	Description				
				K. Nyemba	NTS	Water and Sewer Reticulation				
				Checked	Date	Stock Drwg No				
				E. Kwezera	August 2021	G.P. No				
				Telephone 728201/9, Fax 263 4 796204	File Ref	Proj No				
						192593/MECH/01				