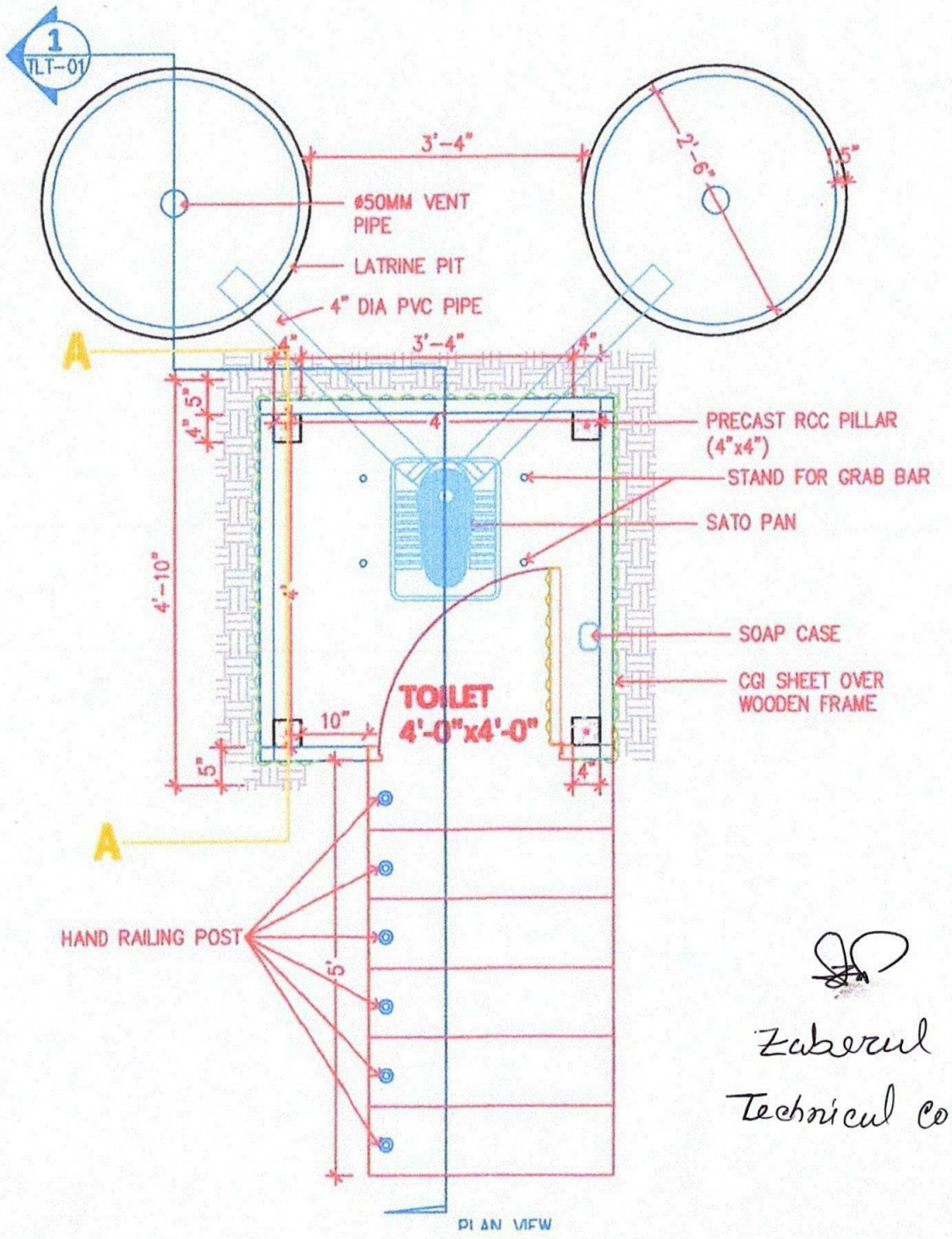
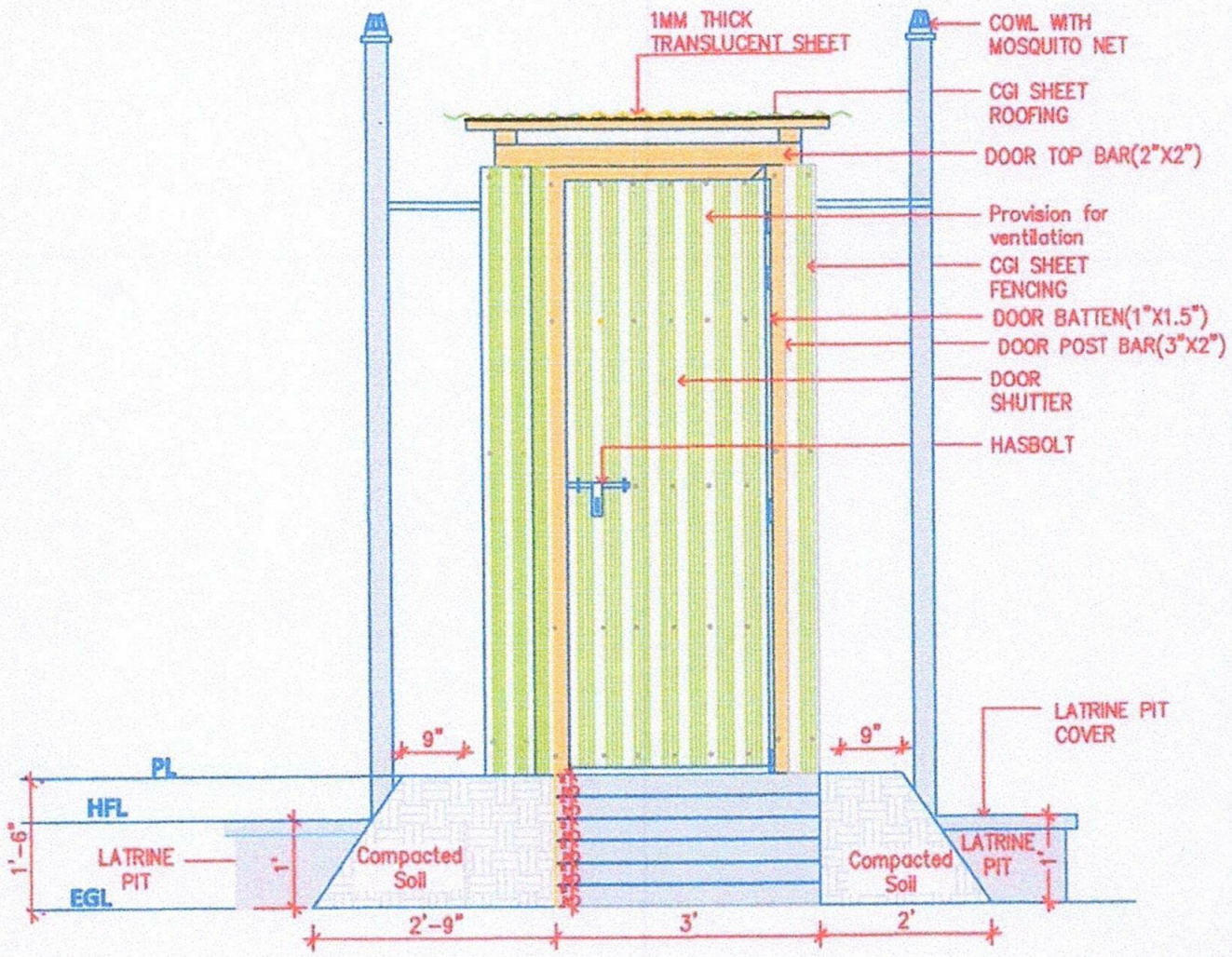


Zaberul Bhuiyan
Technical coordinator (civil Engg)

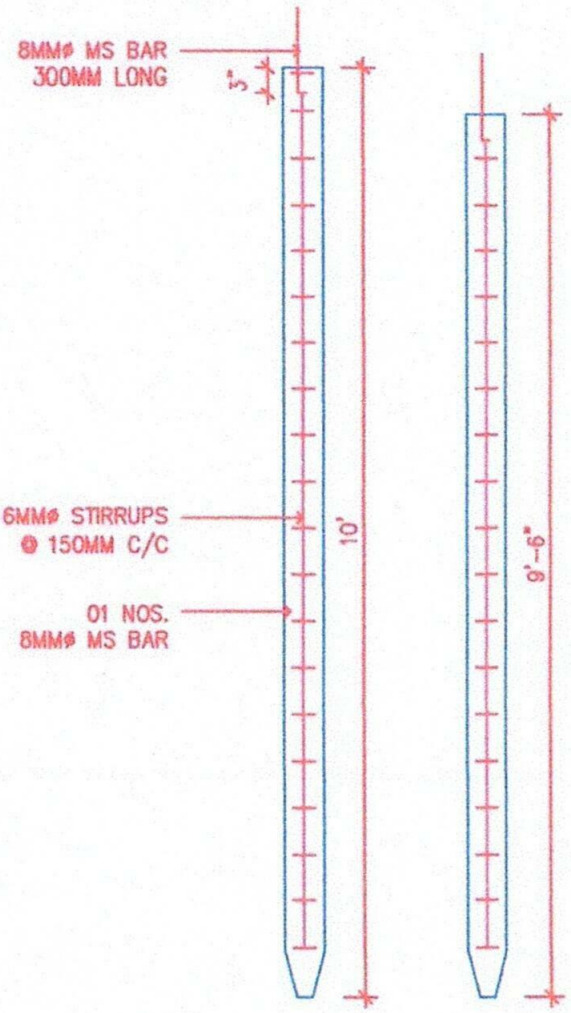
Climate Resilience features:

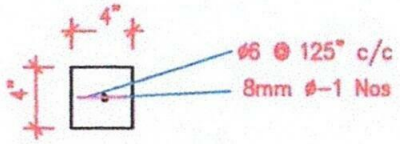
1. Incorporated reinforced concrete rings in the pit design to ensure stability and structural integrity.
2. Clay capping or lining up to the plinth level around the superstructure to prevent soil erosion during floods or heavy rains.
3. Elevated the latrine platform by 6 inches above the expected flood level to prevent water logging.
4. Sealed top two rings to protect against water infiltration and flooding.
5. Corrugated galvanized iron (CGI) sheet used for roofing to ensure that could withstand high winds and heavy rainfall and transparent plastic sheet used in middle to passing daylight.
6. Incorporated PVC vent pipes with a cowl and insect screen to block flies and prevent clogging.
7. Integrated a V-trap in the design to regulate water diversion and minimize water usage.
8. Provided plastic net to ensure ventilation through opening between roofing and side wall.
9. Integrated Hand Railing & Grab Bar to ensure feasibilty of Person with disability.
10. Designed pit sizes to accommodate long-term waste volumes, considering population and usage patterns.



FRONT ELEVATION

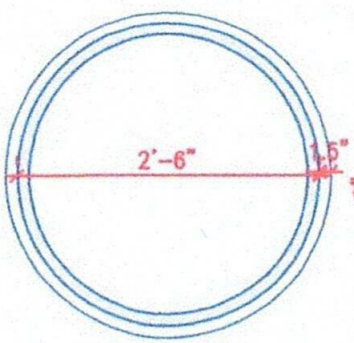
Zaberul Goni
Technical coordinator (civil Eng)





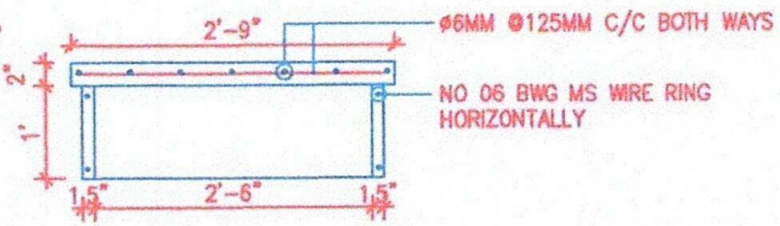
PRECAST PILLAR

CROSS SECTION



RCC RING

PLAN VIEW

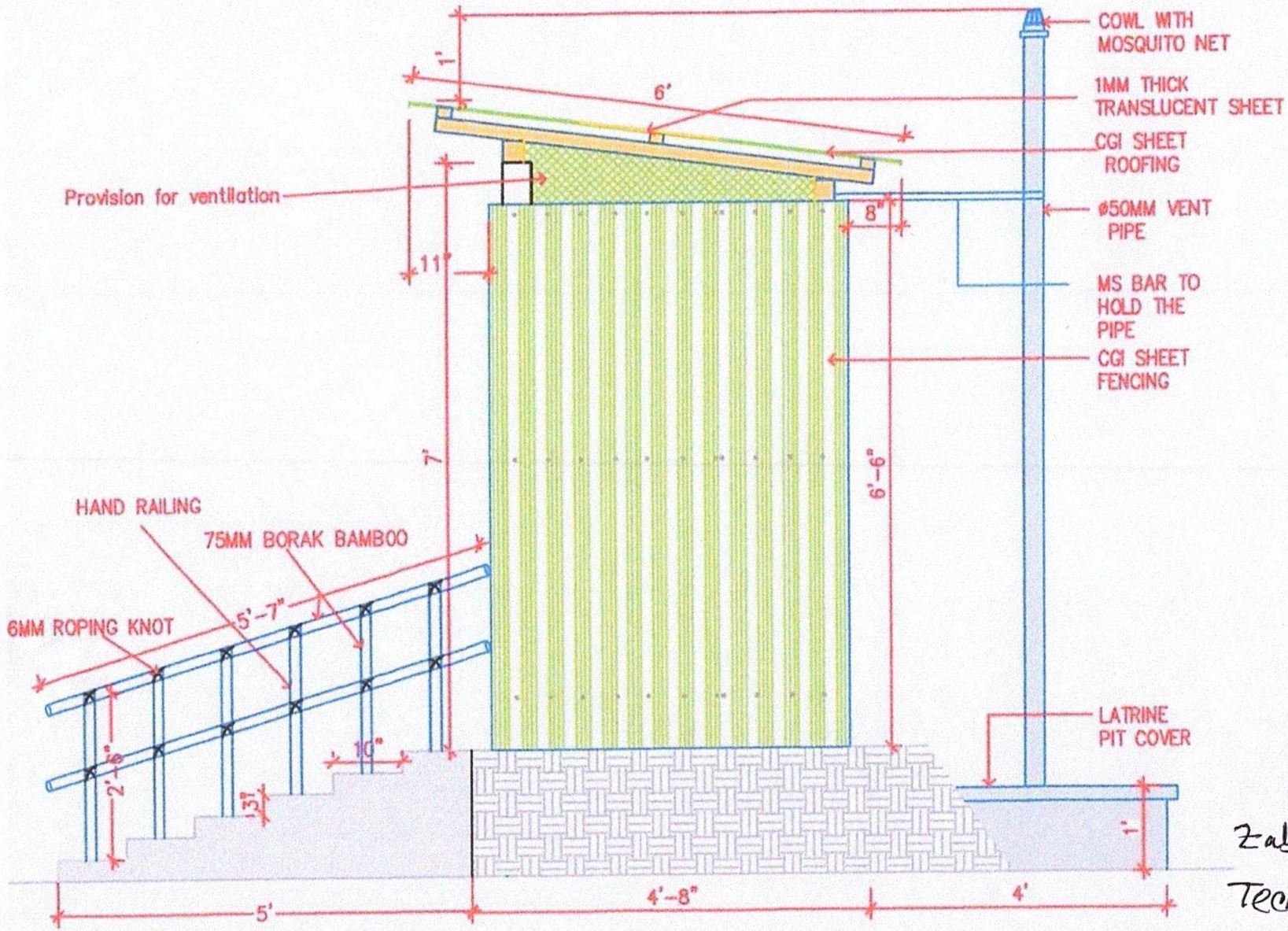


RCC RING

CROSS SECTION

Zaberul Goni
Technical Coordinator (Civil Eng)

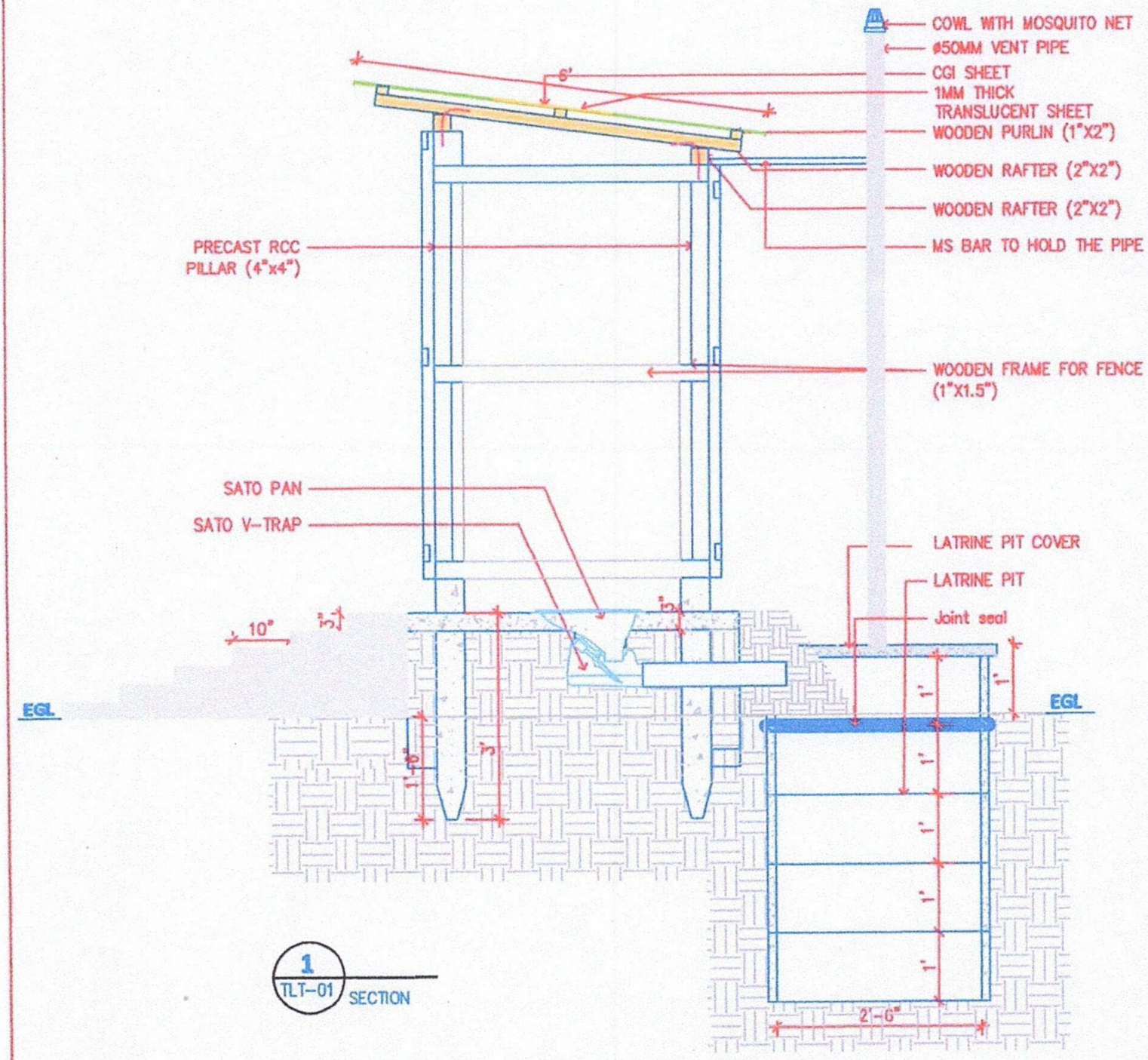
SINGLE CHAMBER TWIN-OFFSET PIT LATRINE



SIDE ELEVATION

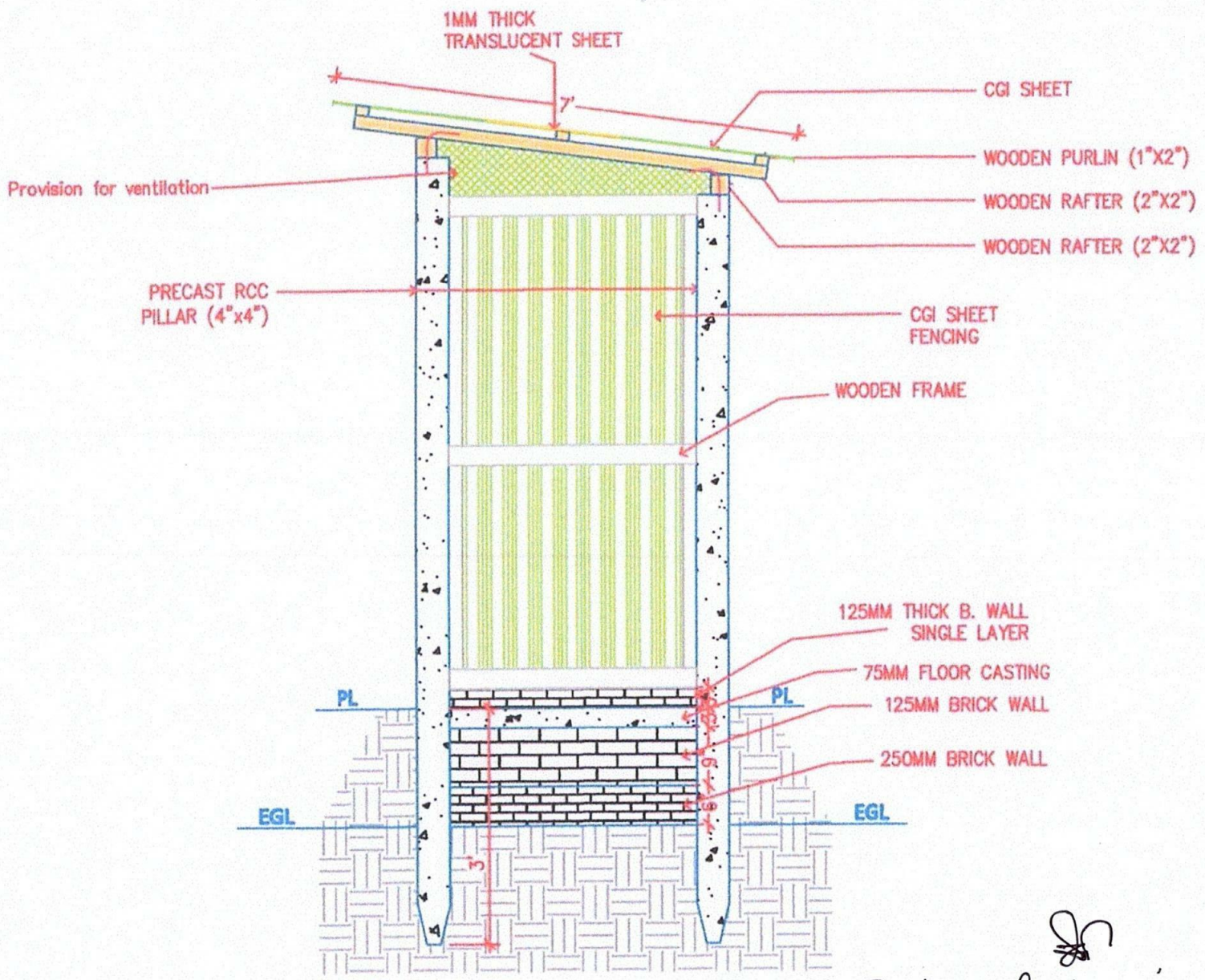
Zaherul Goni
Technical Coordinator
(Civil Eng)

SINGLE CHAMBER TWIN-OFFSET PIT LATRINE



1 TLT-01 SECTION

Zaberul Goni
Technical coordinator (Civil Eng)



Zubeirul Goni
Technical coordinator (civil Engr)