

Following additional improvements/modifications/changes shall be done, details are as under:

1. Overall height of FRP Lavatory module may be 2118 mm and for achieving the height of lavatory module 2118 mm, it shall be minimized from the top of the lavatory module only with reference to applicable lavatory module drawings.
2. Design of FRP Lavatory Modules will be in 03 pieces similar to Non-AC coaches of FRP Lavatory module (drg. no. LA63142 alt-nil, LA63148 alt-nil & LG63286 alt-nil). All toilets shall be preassembled modules that can be dismantled and re-assembled inside the coach at furnishing stage.
3. Proper drainage of Lavatory Floor Panel shall be ensured during manufacturing of coaches and slope of mould towards drain hole shall be 30 mm from all corners to avoid water stagnation inside the lavatory and same shall be ensured by the firm during manufacturing & fitment. Moreover, MCF Quality shall ensure the same before turning out of coach during QC fit check.
4. During manufacturing of Lavatory module, it shall be ensured that slots made at Trough floor for fitment of Drain for floor mounting (drg. no. LW63138 alt-e) is suitably made, so that Drain for floor mounting is below floor level to avoid stagnation of water inside lavatory.
5. Suppliers may be advised to apply suitable Sealant and Adhesive at all round the contact surface of Drain for floor mounting (drg. no. LW63138 alt-e) and FRP Trough Floor to avoid water leakage/ seepage from joints to avoid corrosion of the coaches. While applying Sealant/Adhesive, care should be taken so that it should not affect aesthetic look of Lavatory Trough Floor.
6. Firm is advice to give following attention for providing hole at Lavatory Trough Floor for Waste pipe for inside Wash basin as detailed under:
  - i. Hole at Lavatory Trough Floor for Waste pipe (for inside Wash basin) shall not be provided at firm's premises.
  - ii. Hole (Ø45mm) shall be provided to suit to site at MCF furnishing stage at raised portion of Lavatory Trough Floor aligning the Waste pipe with the help of Hole Shaw cut machine.
  - iii. PVC sleeves shall be provided by full covering of the hole (Ø45mm) the with the help of suitable Adhesive and suitable Sealant shall be provided all round the pipe to avoid ingress of water to prevent corrosion of the coaches.
7. To prevent corrosion of the coaches, firm shall ensure that during manufacturing and fitment of Lavatory Floor Panel, there is no water leakage/seepage occurs at any location/joints. For the same, water leak test of Lavatory Floor Panels shall be conducted at firm premises before dispatching the subject item.
8. Location of Pillow blocks at Lavatory Floor Panels of FRP modular toilet shall be ensured as per respective drawings. For the same, location of Pillow blocks shall be checked with the help of Templates at firm premises before dispatching the subject item.
9. Inside Dustbin shall be as per drg. no. MI006488 alt-Md instead of MI006488 alt-d.
10. Back pieces for mounting of EPPFS shall be as per drg. no. MI007851 alt -a (QPC-3 nos.).
11. Lavatory ceiling shall be as per RCF letter no. MD46251, dated 14.06.2006

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12. Firm shall ensure availability of suitable embedded Back piece/Inserts (Thickness-min. 3 mm with material specification-AISI-304) on Lavatories Panels for every passenger's amenities like Wash basin, Dustbin mounting frame, Mirror mounting, Water tap mounting plate, Health Faucet, Mug & chain arrgt., Soap disperser, Soap Tray, Grab Handle, Paper Roll Holder, Lavatory doors, Fire Extinguisher cover, Attachment wall, Hatches , Hinges, Southco locks, Knob, mounting of EPPFS, Plumbing and Pipe arrangement etc. (even if it is not mentioned in concerned drawings) and same shall be also ensured by inspection agency (RITES/TPI) during inspection of the subject item.
13. For traceability of Lavatory module, marking on Lavatories shall be provided as per MCF Design letter no. RBL-MD46118, Vol-I, dated 16.02.2026.
14. For segregation of 110V DC (+ve and -ve) wiring, modifications in the Lavatory area shall be segregated with the provision of cable jackets, wherever required, as per SN-2 (e) of the RCF CAI No. ED/CAI/033 dated 02.04.2024 (or latest revision).
15. Interior Colour scheme shall be as per RCF letter no. MT-31, dated 21.06.2001.
16. Safety clause must be followed according to Annexure-A of RCF Dy. CPLE-II letter no. RCF/EMP/1 dated. 01.04.2025.
17. Since the item is being developed for the first time, minor improvements/modifications will be there. Hence, firm shall carry out improvements/modifications/changes as per the MCF requirements.

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