R0

9.7.2014

Norms regarding Concealed Conduiting

Design

- The conduit drops to DBs, Switch & Sockets shall be vertical (Straight) and if necessary, horizontal (to be avoided) but never transverse. If the conduits are running diagonally and horizontally than it generates following two problems/ risks
    - It creates an electrical shock/Electrocution hazard if in future somebody drills or put a nail in the area.
    - It doesn't give clear idea to the structure contractor about the running of the conduits and leads to the breakage during use of vibrator
- The conduits and back boxes to be avoided in walls with thickness <100 mm (does not apply to dry walls).
- Electrical layout inside the unit viz. location of points in each room needs to be finalized prior to finalization of Civil DD. The location of these points CAN NOT be changed later.
- It will be advisable to have the conduits with end boxes welded to MIVAN wall shutters as per elevation of each wall so that after de-shuttering the groove for conduit and pocket for the box is automatically formed and no chasing is required subsequently. This will save substantial time and cost and result in clean work.

CM-MEP

- RA bills of conduiting contractor to be cleared only after checking whether the ropes are pulled through the conduit after de - shuttering. If any issues are found, same to be repaired by contractor on priority basis, prior to certification of bill.
- The availability of the contractor Electrician with the material and glue is a must during slab casting

Procurement

- Conduiting material to be kept in scope of conduiting contractor.
- Conduiting contractor shall be responsible for providing pull wires in conduits after testing their end to end continuity.
- Following clause to be added to contract terms: "RA bill shall not be approved without Approved IR (Inspection Request) signed by CM-MEP team associate. The approval of the IR shall only be done after checking by Lodha CM team as to whether the ropes/pull wire can be pulled through the conduit after de - shuttering. If any issues are found, same to be repaired by contractor on priority basis, prior to IR approval."

CM – CIVIL

- Pourcard signature by CM-MEP associate is a must.