

### **3.4.2 Consolidation Cabinet- To serve customer premises (Apt/Villa/Office/retails) having more than 8 loaded port with CAT6 requirement**

Minimum internal dimension 12U, 600mm x 300mm or 150mm (H x W x D), depending on the unit size and telecom requirement and subject to building drawing approval stage:

- a)** Concealed in the wall with the front of the cabinet flush with the wall;
- b)** Located in an accessible area inside the customer premises close to the entrance and not inside the kitchen, pantry, wash room, laundry room or bedroom;
- c)** Install at height of 600mm to 1200mm according to site conditions (between finished floor level and the bottom edge of the cabinet)
- d)** An adequate safe working space around the location;
- e)** Adequate lighting;
- f)** Not close to the sources of water or heat;
- g)** Not close to any electrical distribution or bus bars;
- h)** Adequate ventilation must be provided; minimum of one air change per hour;
- i)** Fitted with 24 port copper patch panel;
- j)** More than 24 number of CAT6 cables per tenant;
- k)** Fibre terminal box fitted with 2 port of LC/APC adaptor & pigtailed and with 2 port of SC/APC adaptor & pigtailed for 4 core SM Fibre drop cable termination. Refer to the Appendix 1 figure 16.
- l)** Lockable front door;
- m)** Horizontal cable management for unshielded twisted pair (UTP) patch cables;
- n)** Sufficient cable entries to accommodate the incoming fibre optic and UTP cables;
- o)** 13A dual socket must be provided inside consolidation cabinet with dedicated circuit breaker on the domestic supply; and not loop with other power sockets;
- p)** Labelled with villa or floor/flat number.

Refer to the **Appendix1- Figure 18** for home, office or retail consolidation elevation layout