Inspection Check List for Electrical Installation of ACMV System and Plants

Project : _____ Contractor : _____

Inspection Refer No. : _____ Date : _____

Location : _____

S/n	Items	Complied		Remarks
		Yes	No	
1	Approved brand and make of electrical conduit/trunking/cable tray/ladder, cable, and switch gear are installed in complied with specification			
2	Size of conduits and cable trunking is properly design and installed with consideration of number of cables to hold and space factor as per SS CP 5 requirement			
3	Installation routing of electrical conduit/trunking/cable tray/ladder is in accordance with approval shop drawing and properly coordinated with other services installation			
4	Hangers, brackets and saddles of conduit/trunking/tray/ladder are approval type and make installed in correct intervals			Refer to form no. ACE/CL/A/110 for more details
5	Length of flexible conduit is not more than 1000mm in length			
6	Copper link is provided to joints of cable trunking/tray/ladder for earth continuity			
7	Cover for cable trunking and conduit junction box is installed			
8	Minimum degree of protection of control panel/electrical enclosure is IP 44 for indoor installation and IP 65 for outdoor installation			
9	Earthing for control panels and electrical enclosure is provided			
10	All wall and floor penetration is sealed with fire stop materials			
11	No water pipe, sanitary and sprinkler pipe are installed above control panels and electrical enclosure			
12	No unshrouded live components within panels			
13	No mechanical damage to switchgear			
14	All wire connections / terminations are tightened			
15	Internal links / jumper on starter correct			
16	All power and control wiring is completed in accordance with approval shop drawing and circuit diagram			
17	MCB / fuse / protecting RCB rating is correct			
18	Wiring and termination of BMS, interfacing with fire alarm signal and remote control (such as MV fans control at FCC) are completed and tested, where specified			
19	No obstruction to the control panels and electrical enclosure with consideration of space for panel door open position to min. 90 degree			

S/n	Items	Complied		Remarks
		Yes	No	
20	Painting works is completed in accordance with specification and colour approved by architect, if any			
21	Electrical and control wiring schematic diagram is provided and housed in control panel and DB			
22	Framed single line diagram is fixed next to switch board, where applicable			

Remarks / comments

Conduct by : _____ Company : _____ Date : _____

Signature : _____

Inspect by : _____ Company : _____ Date : _____

Signature : _____

Witness by : _____ Company : _____ Date : _____

Signature : _____

Approve by : _____ Company : _____ Date : _____

Signature : _____