Alpha Consulting Engineers Pte Ltd

Inspection Check List for AC – Split Unit Installation

Project : _____ Contractor : _____

Inspection Refer No. : _____ Date : _____

Unit No. / System No. / Location : _____

S/n	Items	Complied		Remarks
		Yes	No	
1	**Equipment checks**			
1.1	Indoor and outdoor units delivered and installed is approval brand and model, specification and capacity			
1.2	Electrical characteristic and air flow rates of FCU is complied with approval			
2	**Electrical checks**			
2.1	Control wire / cable c/w all components are tightly terminated			
2.2	Cover for cable trunking / conduit junction boxes/ trunking for refrigerant pipe is installed			
2.3	Size and rating of power and control wirings is installed in accordance with approval circuit diagram and shop drawing			
2.4	Isolator rating of power supply to outdoor unit is complied with approval and equipment requirement			
2.5	Wiring and termination of BMS monitoring signal and control are installed and tested, where specified and applicable			
3	**Installation**			
3.1	FCU is levelled and properly mounted/hanged with manufacturer bracket or recommended means of mounting			
3.2	Cable tray / trunking of proper size is provided for refrigerant pipe			
3.3	Outdoor unit (CU) is mounted with approval make of bracket/hanger and completed with vibration isolation such as neoprene pad of adequate thickness			
3.4	Sight glass and filter dryer are installed where applicable and specified			
3.5	Condenser fan discharge of outdoor unit (CU) is not obstructed and adequate distance from walls as manufacturer requirement with consideration of group of CU installation			
3.6	Sufficient space for fresh air intake is allowed for and adequate distance from walls as manufacturer requirement with consideration of group of CU installation			
3.7	Adequate space is allowed for maintenance of indoor and outdoor units			
3.8	All mild steel supports/hangers is properly finishing painted			

S/n	Items	Complied		Remarks
		Yes	No	
3.9	Proper labels is provided for equipment and refrigerant tray/trunking			
3.10	Proper jacketing or other approval protection is provided for insulation of refrigerant pipe run/mounted outdoor			
3.11	Condensate water pipe of indoor unit (FCU) is routed in correct gradient and insulted			
3.12	Discharge point of condensate water pipe of FCU is at approval location and coordinated with other services			

Remarks / comments

Conduct by : _____ Company : _____ Date : _____

Signature : _____

Inspect by : _____ Company : _____ Date : _____

Signature : _____

Witness by : _____ Company : _____ Date : _____

Signature : _____

Approve by : _____ Company : _____ Date : _____

Signature : _____