Alpha Consulting Engineers Pte Ltd

Inspection Check List for Chiller Installation

Project : _____ Contractor : _____

Inspection Refer No. : _____ Date : _____

Chiller No. : _____

S/n	Items	Complied		Remarks
		Yes	No	
1	Chiller delivered and installed in accordance with approval brand, model and capacity			
2	Layout of chiller and accessories equipment are installed in accordance with approval shop drawing			
3	Routing of chiller water and condenser water pipe and accessories fitting installed properly and in accordance with approval shop drawing			
4	Pressure gauges installed with stop cocks at chiller supply and return pipe of each chiller			
5	Flow switches or differential pressure switches installed at the correct position and in accordance with approval shop drawing			
6	Thermometer for chiller water supply and return pipe of each chiller is installed			
7	Flow meter for chiller water headers is installed			
8	By-pass piping systems c/w differential controllers is installed			
9	Vibration isolator for chiller is properly installed with correct minimum deflection as per specification and also complied with manufacturer recommendation and properly greased			
10	Water treatment plants/system for chilled water circuit is installed in accordance with approval shop drawing, if specified			
11	Insulation to chiller water supply, return pipe and evaporator are completed			
12	Wiring and termination of BMS, interfacing with fire alarm signal, remote control and any other plants/equipment are completed and tested, where specified and applicable			
13	Accessories electrical installation such as conduit/trunking/tray and wiring are properly installed with approval materials and complied with specification and CP 5, separate inspection may be arranged with check list No. ACE/CL/A/103 and ACE/CL/A/110			
14	Main power supply cable is installed and tightly terminated to the chillers and control panels			
15	Automatic tube cleaning device is installed properly			
16	Adequate space allow for access and removal / replacement of major and large components of the chiller plant			

ACEPL

S/n	Items	Complied		Remarks
		Yes	No	
17	Pipe jacketing and painting works completed and proper directional sign and label provided			
18	Labels are provided for all equipment, control panels and accessories components			
19	Floor trap and water tap point are provided for plant room			
20	Mechanical ventilation system is installed in plant room			
21	The highest points of the plants and any pipes is complied with AMSL requirement, when the installation at roof			

Remarks / comments

ACEPL

Conduct by : _____ Company : _____ Date : _____

Signature : _____

Inspect by : _____ Company : _____ Date : _____

Signature : _____

Witness by : _____ Company : _____ Date : _____

Signature : _____

Approve by : _____ Company : _____ Date : _____

Signature : _____