

System Verification Checklist

[Project Name]

System: **Chiller**
Location:

Tag: **CH-__**

Service: **Chilled Water**
Building:

<i>Installation Check/Reference</i>	<i>Provided</i>	<i>Initials</i>	<i>Date</i>	<i>IC</i>
Manufacturer:				MC
Model Number:				MC
Chiller				
Install Units And Accessories In Accordance With Manufacturer's Instructions, Spec. 236400-3.01.A				MC
Equipment and Piping Identification Affixed, Specification 230553				MC
Service Access for Unit Operation/Maintenance of Unit, Piping and Removal of Tube, Spec. 230500-3.7, 236400-3.01.A				MC
Level And Plumb Installation				MC
Unit Installed on Existing Housekeeping Pad With Additional Pad to Accommodate Chiller Foot Print, M-401/Detail 4D				MC
Install Unit on Spring Isolators, M-401/Detail 4D				MC
Chiller Piping				
Butterfly Valves Installed, M-401/Detail 4D				MC
Thermometers Installed (Return/Supply), M-401/Detail 4D				MC
Pressure Gauges with 1/4" Ball Valves Installed, M-401/Detail 4D				MC
3/4" Drain with Hose End/Cap Installed, M-401/Detail 4D				MC
Flexible Pipe Connectors Installed, M-401/Detail 4D				MC
P/T Test Plugs Installed, M-401/Detail 4D				MC
Flow Switch(s) Installed for Evaporator and Condenser (Factory), M-401/Detail 4D				MC
Control Valves Installed, M-401/Detail 4D				MC
Spring Vibration Isolation Hangers Installed On First Thirty Feet of Chiller Piping, M-401/Detail 4D, M-502/Detail 4E				MC
Relief Valves On Condenser and Evaporator (Factory), Vent Piping Vented to Outside, M-401/Detail 4D				MC

<i>Remarks: IC-Installing Contractor; SM-Sheet Metal Contractor; MC-Mechanical Contractor; EC-Electrical Contractor; CC-Controls Contractor</i>

"This System Verification Checklist document represents FCG's standard test protocol, basic functional test, and FCG's best understanding of the designed sequence of operation. This document DOES NOT define design intent, supersede contract documents, or direct means and methods."

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Refrigeration Circuit Piping				
Liquid Sight Glass, Spec. 236400-2.04.B.4				MC
High Side Refrigerant Level Sensor, Spec. 236400-2.04.B.4				MC
Thermal Expansion Valve(s), Spec. 236400-2.04.B.4				MC
Chiller Insulation				
Spec. 230700.99-3.11.A, 236400-2.04.B.2				MC
Unit Compressors				
Spec. 236400-2.04.A				MC
Electrical				
Unit Disconnect by Mfr., Wired to Switchboard MSB1/Circuit 4, EP1B1, E-601				EC
Existing Conduit Intercepted and Provide With New Conduit to Chiller, EP1B1/Detail 2B, E-601/Detail 1D				EC
Existing Fuses Removed For Chiller and Install New (3) 500A Fuses and Connect new F500 Feeder Going to Unit, E-601/Note 1				EC
Grounding Installed For Unit & Components, Spec. 260526				EC
Controls				
BMS Control Wiring Installed/Complete As Specified, Spec. 230900.99-3.2.A				CC
Unit Controller with BACNET MSTP Interface, Spec. 236400-2.04.D				CC
Refrigerant Leak Detector Installed, Spec. 230900.99-2.9.G				CC
Signal Isolation Transducer Provided, Spec. 230900.99-2.10.E				CC
Field Verification Checkout Form Created for Unit DDC Controller and Completed As Specified, Spec. 230900.99-3.5.G (Add. #2)				CC
Connect Control Devices To Perform Functions Indicated and Required by Sequence				CC
Unit Interlocked To Frontend Graphics As Specified/Indicated, M-701/Detail 1A				CC

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