

# CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 4) MECH-1C

Project Name: 710 Wilshire Blvd. Alex Gorbly Hotel Project  
 Project Address: 710 Wilshire Blvd. Santa Monica  
 Climate Zone: 6  
 Total Gnd. Floor Area: 184,578  
 Addition Floor Area: 184,578

**GENERAL INFORMATION**

Building Type: ☐ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel Guest Room  
☐ Schools (Public School) ☐ Relocatable Public School Bldg. ☐ Conditioned Spaces ☐ Unconditioned Spaces (attic/dw)

Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration

Approach of Compliance: ☐ Component ☐ Overall Envelope TDV Energy ☐ Unconditioned (file affidavit)

Front Orientation: N, E, S, W or in Degrees: 225 deg

HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	3rd Floor New Bldg	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	44	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	16,670 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	11,167 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	4th Floor New Bldg	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	44	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	16,670 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	11,167 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed from the energy compliance submitted or from the building plans the responsible party shall submit energy compliance to include the new changes.  
 2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked.  
 3. Indicate Equipment Type: Gas (Pkg or Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.

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HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	5th Floor New Bldg	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	44	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	16,670 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	11,167 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	6th Floor New Bldg	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	44	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	16,670 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	11,167 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

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HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	7th Floor (N/Bldg-Kitchen)	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	38,400 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	35,930 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	7th Floor (N/Bldg-Admin-Lockers)	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	33,900 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	26,940 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

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# CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 4) MECH-1C

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Front Orientation: N, E, S, W or in Degrees: 225 deg

HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	7th Floor (N/Bldg-Flex)	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	25,800 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	20,190 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

HVAC SYSTEM DETAILS		FIELD INSPECTION ENERGY CHECKLIST	
Equipment <sup>1</sup>	Inspection Criteria	Pass	Fail – Describe Reason <sup>2</sup>
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	7th Floor (N/Bldg-Admin-Lockers)	<input type="checkbox"/>	<input type="checkbox"/>
Equipment Type <sup>3</sup>	4 Pipe Fan Coil	<input type="checkbox"/>	<input type="checkbox"/>
Number of Systems	1	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Heating Capacity <sup>1</sup>	33,900 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Minimum Heating Efficiency <sup>1</sup>	% AFUE	<input type="checkbox"/>	<input type="checkbox"/>
Max Allowed Cooling Capacity <sup>1</sup>	26,940 Btu/hr	<input type="checkbox"/>	<input type="checkbox"/>
Cooling Efficiency <sup>1</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>
Duct Location/ R-Value	Attic, Ceiling Ins. vented / 8.0	<input type="checkbox"/>	<input type="checkbox"/>
When duct testing is required, submit MECH-4A & MECH-4-BERS	Yes	<input type="checkbox"/>	<input type="checkbox"/>
Economizer	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>
Thermostat	Setback Required	<input type="checkbox"/>	<input type="checkbox"/>
Fan Control	Constant Volume	<input type="checkbox"/>	<input type="checkbox"/>

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# CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 3 of 4) MECH-1C

Project Name: 710 Wilshire Blvd. Alex Gorbly Hotel Project  
 Project Address: 710 Wilshire Blvd. Santa Monica  
 Climate Zone: 6  
 Total Gnd. Floor Area: 184,578  
 Addition Floor Area: 184,578

**Required Acceptance Tests**

**Designer:**

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and indicate equipment that requires an acceptance test. All equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

**Building Departments:**

**Systems Acceptance:** Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

**Systems Acceptance:** Before occupancy permit is granted, All newly installed HVAC equipment must be tested using the Acceptance Requirements.

The MECH-1C form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, P.E. in charge of project and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation, certification, and operating and maintenance information meet the requirements of §10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

TEST DESCRIPTION	MECH-2A	MECH-3A	MECH-4A	MECH-5A	MECH-6A	MECH-7A	MECH-8A	MECH-9A	MECH-10A	MECH-11A	MECH-12A
Equipment Requiring Testing or Verification	Qty.	Outdoor Ventilation VAV & CAV	Consistent Volume & Single-Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation DCV	Supply Fan VAV	Valve Water Temp Control	Supply Water Temp Control	Hydronic Variable Flow Control	Automatic Demand Control
McQuay WMC200	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BAC 16178	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Royal MVB-2003	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy Labs-AHU	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem Fan Coil	278	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 04	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem BBA500	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 12	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 15	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 10	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 08	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EnergyPro 5.1 by EnergySoft	User Number: 5251	RunCode: 2015-10-29T14:36:00				ID: 201225		Page 61 of 87			

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**TEST DESCRIPTION**

Equipment Requiring Testing or Verification

McQuay WMC200

BAC 16178

Royal MVB-2003

Energy Labs-AHU

Arthem Fan Coil

Arthem CPRR 04

Arthem BBA500

Arthem CPRR 12

Arthem CPRR 15

Arthem CPRR 10

Arthem CPRR 08

TEST DESCRIPTION	MECH-12A	MECH-13A	MECH-14A	MECH-15A
Equipment Requiring Testing or Verification	Qty.	Fast Detection & Diagnostics for DX Units	Automatic Fast Detection & Diagnostics for Air & Zone Systems	Thermal Energy Storage for TES Systems
McQuay WMC200	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BAC 16178	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Royal MVB-2003	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Energy Labs-AHU	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem Fan Coil	278	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 04	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem BBA500	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 12	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 15	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 10	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arthem CPRR 08	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EnergyPro 5.1 by EnergySoft	User Number: 5251	RunCode: 2015-10-29T14:36:00		ID: 201225 Page 62 of 87

# AIR SYSTEM REQUIREMENTS (Part 1 of 2) MECH-2C

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**Item or System Tags (i.e. AC-1, RTU-1, HP-1)**

**Number of Systems**

**MANDATORY MEASURES**

Heating Equipment Efficiency

Cooling Equipment Efficiency

HVAC Heat Pump Thermostat

Furnace Controls/Thermostat

Natural Ventilation

Mechanical Ventilation

VAV Minimum Position Control

Demand Control Ventilation

Time Control

Setback and Setup Control

Outdoor Damper Control

Isolation Zones

Pipe Insulation

Duct Location/ R-Value

PRESCRIPTIVE MEASURES			
Calculated Design Heating Load	144(a) & (b)	n/a	n/a
Proposed Heating Capacity	144(a) & (b)	0 Btu/hr	16,670 Btu/hr
Calculated Design Cooling Load	144(a) & (b)	n/a	n/a
Proposed Cooling Capacity	144(a) & (b)	530,401 Btu/hr	7,488 Btu/hr
Fan Control	144(c)	Variable Speed	Constant Volume
DP Sensor Location	144(c)		Constant Volume
Supply Pressure Reset (ODC only)	144(d)	Yes	Yes
Simultaneous Heat/Cool	144(d)	No	Yes
Control	144(d)	DIRT Temp (Integrated)	No Economizer
Heat Air Supply Reset	144(e)	Constant Temp	Constant Temp
Heat Air Supply Reset	144(e)	Warmest Zone	Constant Temp
Cool Air Supply Reset	144(e)	Constant Temp	Constant Temp
Electric Resistance Heating	144(g)		
Air-Cooled Outdoor Limitation	144(h)		
Duct Leakage Sealing - If Yes, a NECTA-A must be submitted	144(i)	Yes	Yes