



COMcheck Software Version COMcheck-Web Mechanical Compliance Certificate

Project Information

Energy Code: 2016 New York City Energy Conservation Code
Project Title: RKNY Mechanical
Location: New York, New York
Climate Zone: 4a
Project Type: Alteration

DEPT BLDGS Job No. 122968690



Scan Code ESHS6827247

Construction Site: 320 East 39th Street Owner/Agent: Risho Kosei-kai of New York Designer/Contractor: TMalihan Architect NYC

Mechanical Systems List

Quantity System Type & Description

- 1 HVAC System (Single Zone):
Cooling: 1 each - Single Package Vertical AC Unit, Capacity = 180 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 12.20 EER, Required Efficiency: 8.60 EER
Fan System: FAN SYSTEM 1 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 1 Supply, Single-Zone VAV, 6000 CFM, 5.0 motor nameplate hp, 0.0 fan efficiency grade
- 1 HVAC System (Single Zone):
Cooling: 1 each - Split System, Capacity = 120 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.20 EER, Required Efficiency: 11.20 EER + 12.8 IEER
Fan System: FAN SYSTEM 2 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 2 Supply, Multi-Zone VAV, 6000 CFM, 0.3 motor nameplate hp, 0.0 fan efficiency grade
- 1 HVAC System (Multiple-Zone):
Cooling: 1 each - Single Package Vertical AC Unit, Capacity = 120 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.00 EER, Required Efficiency: 8.90 EER
Fan System: FAN SYSTEM 3 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 3 Supply, Single-Zone VAV, 4000 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade
- 1 HVAC System (Single Zone):
Cooling: 1 each - Single Package Vertical AC Unit, Capacity = 60 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 12.30 EER, Required Efficiency: 9.00 EER
Fan System: FAN SYSTEM 4 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 4 Supply, Single-Zone VAV, 2500 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade
- 1 HVAC System (Single Zone):
Cooling: 1 each - Split System, Capacity = 120 kBtu/h, Evaporatively Cooled Condenser, Air Economizer
Proposed Efficiency = 14.00 EER, Required Efficiency: 12.10 EER + 12.3 IEER
Fan System: FAN SYSTEM 5 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 5 Supply, Single-Zone VAV, 4000 CFM, 2.4 motor nameplate hp, 0.0 fan efficiency grade
- 1 HVAC System (Multiple-Zone):
Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 16.50 SEER, Required Efficiency: 14.00 SEER
Fan System: FAN SYSTEM 6 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 6 Supply, Single-Zone VAV, 3885 CFM, 1.0 motor nameplate hp, 0.0 fan efficiency grade

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Data filename:

Report date: 05/16/19
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Quantity System Type & Description

- 1 HVAC System (Single Zone):
Cooling: 1 each - Variable Refrigerant Flow, Capacity = 24 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 16.00 SEER, Required Efficiency: 13.00 SEER
Fan System: FAN SYSTEM 7 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 7 Supply, Single-Zone VAV, 530 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
- 1 HVAC System (Single Zone):
Cooling: 1 each - Variable Refrigerant Flow, Capacity = 6 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 15.00 SEER, Required Efficiency: 13.00 SEER
Fan System: FAN SYSTEM 8 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 8 Supply, Single-Zone VAV, 500 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
- 1 HVAC System (Multiple-Zone):
Cooling: 1 each - Variable Refrigerant Flow, Capacity = 30 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 15.00 SEER, Required Efficiency: 13.00 SEER
Fan System: FAN SYSTEM 9 – Compliance (Motor nameplate HP method) : Passes

Fans:
FAN 9 Supply, Multi-Zone VAV, 420 CFM, 0.2 motor nameplate hp, 0.0 fan efficiency grade

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2016 New York City Energy Conservation Code requirements in COMcheck Version COMcheck-Web and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Teresa Malihan-Haggerty, RA

Name - Title

T Malihan-Haggerty

Signature

5/16/19

Date

**Inspection Checklist**

Energy Code: 2016 New York City Energy Conservation Code

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section #	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req. ID	Footings / Foundation Inspection	Complies?	Comments/Assumptions
	Snow/ice melting system sensors for future connection to controls. Freeze protection systems have automatic controls installed.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.7 [PL8] ³	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.7 [PL9] ³	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 [PLB] ³	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.7 [PLB] ³	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.7 [PLB] ³	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.7 [PLB] ³	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.7 [PLB] ³	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 (PLB)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C404.7 (PLB)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation $\geq R-3.5$.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C403.2.13 [ME71] ²	Unenclosed spaces that are heated use only radiant heat.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C403.2.3 [ME55] ²	HVAC equipment efficiency verified.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.2.4. 4 [ME112] ³	Zone isolation devices and controls installed where applicable.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4. 4 [ME112] ³	Zone isolation devices and controls installed where applicable.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4. 4 [ME112] ³	Zone isolation devices and controls installed where applicable.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4. 7 [ME113] ³	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4. 7 [ME113] ³	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4. 7 [ME113] ³	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4. 7 [ME113] ³	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4. 7 [ME113] ³	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.6. 1 [ME59] ¹	Demand control ventilation provided for spaces >500 ft ² and >25 people/1000 ft ² occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow $>3,000$ cfm.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.2.6.2 [ME115] ³	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C403.2.7 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.8 [ME116] ³	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C403.2.9 [ME60] ²	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9 [ME10] ²	Ducts and plenums sealed based on static pressure and location.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.9.1.3 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
	Ductwork operating >3 in. water column requires air leakage testing.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.3 [ME62] ¹	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.3 [ME62] ¹	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.3 [ME62] ¹	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.3 [ME62] ¹	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.3 [ME62] ¹	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1. 1 [ME75] ²	Hydronic and multizone HVAC system controls are VAV fans driven by mechanical or electrical variable speed drive per Table C403.4.1.1.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1. 1 [ME75] ²	Hydronic and multizone HVAC system controls are VAV fans driven by mechanical or electrical variable speed drive per Table C403.4.1.1.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1. 1 [ME75] ²	Hydronic and multizone HVAC system controls are VAV fans driven by mechanical or electrical variable speed drive per Table C403.4.1.1.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1. 2 [ME67] ²	VAV fans have static pressure sensors located so controller setpoint ≤ 1.2 w.c..	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1. 2 [ME67] ²	VAV fans have static pressure sensors located so controller setpoint ≤ 1.2 w.c..	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.1.2 [ME67] ²	VAV fans have static pressure sensors located so controller setpoint ≤ 1.2 w.c..	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1.3 [ME24] ²	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1.3 [ME24] ²	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.1.3 [ME24] ²	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
C403.4.4.6 [ME110] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
	Air outlets and zone terminal devices have means for air balancing. /	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.3 [FI18] ³	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.2 [FI27] ³	HVAC systems and equipment capacity does not exceed calculated loads.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1 [FI47] ³	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1.2 [FI38] ³	Thermostatic controls have a 5 °F deadband.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.1.3 [FI20] ³	Temperature controls have setpoint overlap restrictions.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.2 [FI39] ³	Each zone equipped with setback controls using automatic time clock or programmable control system.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.2.1, C403.2.4.2.2 [FI40] ³	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.2.3 [FI41] ³	Systems include optimum start controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.2.3 [FI41] ³	Systems include optimum start controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.2.3 [FI41] ³	Systems include optimum start controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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C403.2.4.2.3 [FI41] ³	Systems include optimum start controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C403.2.4.2.3 [FI41] ³	Systems include optimum start controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.4 [F128] ¹	Systems include optimum start controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.5 [F129] ¹	Systems include optimum start controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.1 [F128] ¹	Commissioning plan developed by approved agency. Lighting controls shall be commissioned in accordance with C408.3.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	
C408.2.3.1 [F131] ¹	HVAC equipment has been tested to ensure proper operation.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.3.2 [F110] ¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.3.3 [F132] ¹	Economizers have been tested to ensure proper operation.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.4 [F128] ¹	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.5.3 [F143] ¹	An air and/or hydronic system balancing report is provided for HVAC systems.	☒ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
C408.2.5.4 [F130] ¹	Final commissioning report due to building owner within 30 months (for new buildings > 500,000 ft ²) or 18 months (for R-2 and all other buildings) of receipt of certificate of occupancy.	☐ Complies ☐ Does Not ☐ Not Observable ☒ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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