

Project Information

Energy Code:	
Project Title:	
Location:	
Climate Zone:	
Project Type:	

90.1 (2019) Standard Salem Navigation Center Salem, Oregon 4c Addition

Construction Site: 1185 22nd St. SE Salem, Oregon 97305 Owner/Agent: Merryman Barnes Architects 4713 Albina Ave Suite 201 Portland, Oregon 97305 503 222 3753 Designer/Contractor: Mark Denyer MFIA Consulting Engineers (503) 234-0548

Mechanical Systems List

Quantity System Type & Description

 RTU-1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE)
 Cooling: 1 each - Single Package DX Unit, Capacity = 72 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.00 EER, Required Efficiency: 11.00 EER + 12.7 IEER
 Fan System: FAN SYSTEM 1 | 6 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:

FAN 2 Supply, Constant Volume, 2500 CFM, 2.0 motor nameplate hp, 1.00 fan energy index

1 RTU-2 (Single Zone):

Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE)
Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Ean System: Compliance (Meter pamorlate HB and fan officiency method) : B

Fan System: FAN SYSTEM 2 | 4 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:

FAN 3 Supply, Constant Volume, 1600 CFM, 1.0 motor nameplate hp, 1.00 fan energy index

1 RTU-3 (Single Zone):

Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h

Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE)

Cooling: 1 each - Single Package DX Unit, Capacity = 72 kBtu/h, Air-Cooled Condenser, Air Economizer

Proposed Efficiency = 11.00 EER, Required Efficiency: 11.00 EER + 12.7 IEER

Fan System: FAN SYSTEM 1 | 6 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:

FAN 2 Supply, Constant Volume, 2500 CFM, 2.0 motor nameplate hp, 1.00 fan energy index

1 RTU-4 (Single Zone):

Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h

Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE)

Cooling: 1 each - Single Package DX Unit, Capacity = 72 kBtu/h, Air-Cooled Condenser, Air Economizer

Proposed Efficiency = 11.00 EER, Required Efficiency: 11.00 EER + 12.7 IEER

Fan System: FAN SYSTEM 1 | 6 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:

FAN 2 Supply, Constant Volume, 2500 CFM, 2.0 motor nameplate hp, 1.00 fan energy index

1 RTU-5 (Single Zone):

Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser

Quantity System Type & Description

Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 2 | 4 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans FAN 3 Supply, Constant Volume, 1600 CFM, 1.0 motor nameplate hp, 1.00 fan energy index RTU-6 (Single Zone): 1 Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 2 | 4 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 3 Supply, Constant Volume, 1600 CFM, 1.0 motor nameplate hp, 1.00 fan energy index RTU-7 (Single Zone): 1 Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit, Capacity = 36 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 3 | 3 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 4 Supply, Constant Volume, 1100 CFM, 0.6 motor nameplate hp, 1.00 fan energy index RTU-8 (Single Zone): 1 Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit, Capacity = 36 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 3 | 3 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 4 Supply, Constant Volume, 1100 CFM, 0.6 motor nameplate hp, 1.00 fan energy index 1 RTU-9 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit, Capacity = 36 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 3 | 3 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 4 Supply, Constant Volume, 1100 CFM, 0.6 motor nameplate hp, 1.00 fan energy index 1 RTU-10 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit, Capacity = 36 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 3 | 3 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 4 Supply, Constant Volume, 1100 CFM, 0.6 motor nameplate hp, 1.00 fan energy index RTU-11 (Single Zone): 1 Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et (or 80% AFUE) Cooling: 1 each - Single Package DX Unit, Capacity = 48 kBtu/h, Air-Cooled Condenser Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 2 | 4 ton -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 3 Supply, Constant Volume, 1600 CFM, 1.0 motor nameplate hp, 1.00 fan energy index HP-1 (Single Zone): 1 Split System Heat Pump Heating Mode: Capacity = 24 kBtu/h,

Cooling Mode: Capacity = 24 kBtu/h,

Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF

Quantity System Type & Description

Proposed Efficiency = 20.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 4 | FC-1&2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:

FAN 5 Supply, Constant Volume, 800 CFM, 0.5 motor nameplate hp, 1.00 fan energy index

1 HP-2 (Single Zone):

Split System Heat Pump

Heating Mode: Capacity = 24 kBtu/h, Proposed Efficiency = 10.00 HSPF, Required Efficiency = 8.20 HSPF Cooling Mode: Capacity = 24 kBtu/h, Proposed Efficiency = 20.00 SEER, Required Efficiency: 14.00 SEER Fan System: FAN SYSTEM 4 | FC-1&2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:

FAN 5 Supply, Constant Volume, 800 CFM, 0.5 motor nameplate hp, 1.00 fan energy index

3 WH-1,2,3:

> Gas Storage Water Heater, Capacity: 100 gallons, Input Rating: 250 kBtu/h w/ Circulation Pump Proposed Efficiency: 96.00 % Et SL, %/h, Required Efficiency: 80.00 % Et SL, %/h

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design 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 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist. mah Denyon

Mark Denver Name - Title

Signature

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Date

COMcheck Software Version COMcheckWeb Inspection Checklist

Energy Code: 90.1 (2019) Standard

Requirements: 100.0% 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 # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 6.4.4.2.1, 6.7.2 [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	Requirement will be met.
4.2.2, 7.7.1, 10.4.2 [PR3] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6] ²	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
4.2.5.2 [PR5] ¹	Commissioning shall be performed as stated in Sections 5.9.2, 6.9.2, 7.9.2, 8.9.2, 9.9.2, 10.9.2, 11.2(d), and G1.2.1(c). Commissioning must utilize ASHRAE/IES Standard 202 or other generally accepted engineering standards acceptable to the building official. FPT and verification requirements for commissioning are as stated in Section 4.2.5.1. Commissioning shall document compliance of the building systems, controls, and building envelope with required provisions of this standard. Commissioning requirements shall be incorporated into the construction documents.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1)

2 Medium Impact (Tier 2)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
6.4.3.7 [FO9] ³	Freeze protection and snow/ice melting system sensors for future connection to controls.	Complies Does Not Not Observable Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

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

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
7.4.4.1 [PL2] ³	Temperature controls installed on service water heating systems (<=120°F to maximum temperature for intended use).	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
7.4.4.2 [PL3] ¹	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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

Section #	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6414	HVAC equipment efficiency	Efficiency:	Efficiency:		See the Mechanical Systems list
6.4.1.5	verified. Non-NAECA HVAC			Does Not	for values.
[ME1] ²	equipment labeled as meeting 90.1.			□Not Observable □Not Applicable	
6.4.3.4.1	Stair and elevator shaft vents				Exception: Requirement
[ME3] ³	have motorized dampers that			Does Not	does not apply.
	automatically close.			□Not Observable □Not Applicable	
6.4.3.4.2,	Outdoor air and exhaust systems			Complies	Requirement will be met.
[ME4] ³	automatically shut when not in				Location on plans/spec:
	use and meet maximum leakage rates. Check gravity dampers where allowed.			Not Observable	See sheet M0.01
6.4.3.4.5	Enclosed parking garage			Complies	Exception: Requirement
[ME23]	contaminant detection and				does not apply.
	capacity to stage or modulate				
	capacity.				
6.4.3.4.4	Ventilation fans >0.75 hp have				Exception: HVAC systems
[ME5] ³	automatic controls to shut off fan when not required			Does Not	intended to operate
	when not required.			□Not Observable □Not Applicable	continuously.
6.4.3.8	Demand control ventilation			Complies	Requirement will be met.
	>25 people/1000 ft2 occupant			Does Not	Location on plans/spec:
	density and served by systems				NA
	modulating outside air damper				
	control, or design airflow >3,000				
65321	DX cooling systems >= 75 kBtu/h		 		Excention: Requirement
[ME40] ²	(>= 65 kBtu/h effective 1/2016)			Does Not	does not apply.
	and chilled-water and evaporative cooling fan motor hp			□Not Observable	See the Mechanical Systems list
	$>= \frac{1}{4}$ designed to vary supply			□Not Applicable	for values.
	fan airflow as a function of load				
	requirements.				
6.4.4.1.1	Insulation exposed to weather				Requirement will be met.
[ME7] ³	protected from damage. Insulation outside of the			Does Not	Location on plans/spec:
	conditioned space and associated			Not Observable	See sheet M0.01
	with cooling systems is vapor retardant.				
6.4.4.1.2	HVAC ducts and plenums	R	R	Complies	Requirement will be met.
[ME8] ²	insulated per Table 6.8.2. Where			니Does Not	location on plans/specy
	or under a slab, verification may			□Not Observable	See sheet M0.01
	need to occur during Foundation		1		
6.4.4.1.3	HVAC piping insulation thickness.	in.	in.	Complies	Exception: Requirement
[ME9] ²	Where piping is installed in or			Does Not	does not apply.
	under a slab, verification may need to occur during Foundation		1	□Not Observable	
	Inspection.			□Not Applicable	
6.4.4.1.4	Thermally ineffective panel				Exception: Requirement
[ME41]	panels have insulation $>=$ R-3.5.				does not apply.
				Not Observable	
	1 High Impact (Tiss	1) 2 Madium	Impact (Tior 2)	2 Low Impact (T:	or 3)
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Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.4.2.1 [ME10] ²	Ducts and plenums having pressure class ratings are Seal Class A construction.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01
6.8.1-15, 6.8.1-16 [ME110] ²	Electrically operated DX-DOAS units meet requirements per Tables 6.8.1-15 or 6.8.1-16.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			Complies Does Not Not Observable Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
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6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01

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

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.2.3 [ME19] ³	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold airstreams or concurrent heating and cooling of the same airstream.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.2.4.1 [ME68] ³	Humidifiers with airstream mounted preheating jackets have preheat auto-shutoff value set to activate when humidification is not required.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.2.4.2 [ME69] ³	Humidification system dispersion tube hot surfaces in the airstreams of ducts or air- handling units insulated >= R- 0.5.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.2.5 [ME70] ³	Preheat coils controlled to stop heat output whenever mechanical cooling, including economizer operation, is active.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.2.6 [ME106] ³	Units that provide ventilation air to multiple zones and operate in conjunction with zone heating and cooling systems are prevented from using heating or heat recovery to warm supply air above 60°F when representative building loads or outdoor air temperature indicate that most zones demand cooling.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

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

er 2) 3 Low Impact (Tier 3)

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
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6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Mediu

2 Medium Impact (Tier 2)

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.6 [ME72] ²	Motors for fans >= 1/12 hp and < 1 hp are electronically- commutated motors or have a minimum motor efficiency of 70%. These motors are also speed adjustable for either balancing or remote control.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			Complies Does Not Not Observable Not Applicable	Exception: Requirement does not apply.
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.

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

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
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2 Medium Impact (Tier 2)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.

2 Medium Impact (Tier 2)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.

2 Medium Impact (Tier 2)

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.4 [ME108] ²	Parallel-flow fan-powered VAV air terminals have automatic controls to a) turn off the terminal fan except when space heating is required or if required for ventilation; b) turn on the terminal fan as the first stage of heating before the heating coil is activated; and c) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or reverse the terminal damper logic and provide heating from the central air handler through primary air.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

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

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

2 Medium Impact (Tier 2)

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

2 Medium Impact (Tier 2)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.7 [ME109] ²	Required minimum outdoor air rate is the larger of minimum outdoor air rate or minimum exhaust air rate required by Standard 62.1, Standard 170, or applicable codes or accreditation standards. Outdoor air ventilation systems shall comply with one of the following: a) design minimum system outdoor air provided < 135% of the required minimum outdoor air rate, b) dampers, ductwork, and controls allow the system to supply <= the required minimum outdoor air rate with a single set-point adjustment., or c) system includes exhaust air energy recovery complying with Section 6.5.6.1.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply. <i>See the Mechanical Systems list for values.</i>
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply. See the Mechanical Systems list for values.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			Complies Does Not Not Observable	Exception: Requirement does not apply.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			Complies Does Not Not Observable	Exception: Requirement does not apply. See the Mechanical Systems list for values.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply. See the Mechanical Systems list for values.

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

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes			□Complies □Does Not	Exception: Requirement does not apply.
	nave static pressure setpoint reset controls.			□Not Observable □Not Applicable	See the Mechanical Systems list for values.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes			□Complies □Does Not	Exception: Requirement does not apply.
	reset controls.			□Not Observable □Not Applicable	<i>See the Mechanical Systems list for values.</i>
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint			□Complies □Does Not	Exception: Requirement does not apply.
	reset controls.			□Not Observable □Not Applicable	See the Mechanical Systems list for values.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint			□Complies □Does Not	Exception: Requirement does not apply.
	reset controls.			Not Observable	See the Mechanical Systems list for values.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint			□Complies □Does Not □	Exception: Requirement does not apply.
	reset controls.			□Not Observable □Not Applicable	See the Mechanical Systems list for values.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes			□Complies □Does Not	Exception: Requirement does not apply.
	reset controls.			□Not Observable □Not Applicable	<i>See the Mechanical Systems list for values.</i>
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes			□Complies □Does Not	Exception: Requirement does not apply.
	reset controls.			□Not Observable □Not Applicable	See the Mechanical Systems list for values.
6.5.3.3 [ME42] ³	Multiple zone VAV systems with DDC of individual zone boxes have static pressure sationit			□Complies □Does Not	Exception: Requirement does not apply.
	reset controls.			□Not Observable □Not Applicable	See the Mechanical Systems list for values.
6.5.4.2 [ME25] ³	HVAC pumping systems with >= 3 control values designed for variable fluid flow (see section			□Complies □Does Not	Exception: Requirement does not apply.
	details).			□Not Observable □Not Applicable	
7.5.3 [ME78] ²	Gas-fired water-heating equipment installed in new buildings: where a singular piece			□Complies □Does Not	Requirement will be met.
	of water-heating equipment >=			Not Observable	
	building, thermal efficiency must				
	be >= 90 Et. Where multiple pieces of water-heating				
	equipment serve the building with combined rating is $>= 1,000$				
	kBtu/h, the combined input-				
	thermal efficiency , thermal				
	Exclude input rating of				
	units and equipment <= 100				
	KBLU/N.				

2 Medium Impact (Tier 2)

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.6.1.1 [ME56] ¹	Exhaust Air Energy Recovery for Nontransient Dwelling Units			Complies Does Not Not Observable	Requirement will be met. Location on plans/spec: NA
6.5.6.1.2 [ME111] ¹	Exhaust air energy recovery for spaces other than Nontransient dwelling units meeting Tables 6.5.6.1.2-1, and 6.5.6.1.2-2.			Complies Does Not Not Observable	Exception: Requirements do not apply.
6.5.7.2.1 [ME32] ²	Kitchen hoods >5,000 cfm have make up air >=50% of exhaust air volume.			Complies Does Not Not Observable Not Applicable	Exception: Requirement does not apply.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			Complies Does Not Not Observable Not Applicable	Requirement will be met. Location on plans/spec: See sheet M0.01
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Mediun

2 Medium Impact (Tier 2)

Section # & Reg.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.7.1 [ME100] ²	Conditioned supply air to space with mechanical exhaust <= the greater of criteria of supply flow, required ventilation rate, exhaust flow minu the available transffer air (see section details).			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
6.5.3.8 [ME112] ¹	Occupied standy controls for zones serving rooms that are required to have automatic partial OFF or automatic full OFF lighting controls per Section 9.4.1.1 shall meet the following within five minutes of all rooms in that zone entering occupied- standby mode: a)Active heating set point shall be setback at least 1°F, b)Active cooling set point shall be setup at least 1°F and c)All airflow supplied to the zone shall be shut off whenever the space temperature is between the active heating and cooling set points.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.7.2.4 [ME49] ³	Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.8.1 [ME34] ²	Unenclosed spaces that are heated use only radiant heat.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA

2 Medium Impact (Tier 2)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: na
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
6.5.9 [ME35] ¹	Hot gas bypass limited to: <=240 kBtu/h - 15% >240 kBtu/h - 10%			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met. Location on plans/spec: NA
7.4.2 [ME36] ²	Service water heating equipment meets efficiency requirements.			□Complies □Does Not □Not Observable □Not Applicable	
6.4.3.9 [ME63] ²	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.			□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.

2 Medium Impact (Tier 2)

Project Title: Salem Navigation Center Data filename:

1 High Impact (Tier 1)

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.10 [ME73] ³	Doors separating conditioned space from the outdoors have controls that disable/reset heating and cooling system when open.			□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10] ²	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
8.4.3 [EL11] ²	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
10.4.1 [EL9] ²	Electric motors meet requirements where applicable.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2

2 Medium Impact (Tier 2)

Section # & Reg.ID	Final Inspection	Complies?	Comments/Assumptions
6.4.3.1.2 [FI3] ³	Thermostatic controls have a 5 °F deadband.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
6.4.3.2 [FI20] ³	Temperature controls have setpoint overlap restrictions.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
6.4.3.3.1 [FI21] ³	HVAC systems equipped with at least one automatic shutdown control.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
6.4.3.3.2 [FI22] ³	Setback controls allow automatic restart and temporary operation as required for maintenance	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
6.4.3.5 [FI5] ³	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed	□Complies □Does Not	Requirement will be met.
	nom coming on when not needed.	□Not Observable □Not Applicable	
6.4.3.5 [FI5] ³	Heat pump controls prevent supplemental electric resistance heat	□Complies □Does Not	Requirement will be met.
	nom coming on when not needed.	□Not Observable □Not Applicable	
6.4.3.12 [FI200] ³	Air economizer has a fault detection and diagnostics (FDD) system (see	□Complies □Does Not	Requirement will be met.
	operational requirements).	□Not Observable □Not Applicable	
6.4.3.12 [FI200] ³	Air economizer has a fault detection and diagnostics (FDD) system (see details for configuration and	□Complies □Does Not 	Exception: Requirement does not apply.
	operational requirements).	□Not Observable □Not Applicable	
6.4.3.12 [FI200] ³	Air economizer has a fault detection and diagnostics (FDD) system (see	└└Complies └─Does Not	Requirement will be met.
	operational requirements).	□Not Observable □Not Applicable	
6.4.3.6 [FI6] ³	When humidification and dehumidification are provided to a	□Complies □Does Not	Requirement will be met.
	prohibited. Humidity control prohibits the use of fossil fuel or electricity to produce RH > 30% in the warmest zone humidified and RH < 60% in the coldest zone dehumidified.	□Not Observable □Not Applicable	
6.7.2.1 [FI7] ³	Furnished HVAC as-built drawings submitted within 90 days of system	└┘Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
6.7.2.2 [FI8] ³	Furnished O&M manuals for HVAC systems within 90 days of system	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	

2 Medium Impact (Tier 2)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
6.7.2.3 [FI9] ¹	An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft2 of conditioned area.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
7.4.4.3 [FI11] ³	Public lavatory faucet water temperature <=110°F.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
7.4.4.4 [FI12] ³	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	
10.4.3 [FI24] ²	Elevators are designed with the proper lighting, ventilation power, and standby mode.	□Complies □Does Not	Requirement will be met.
		□Not Observable □Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2

2 Medium Impact (Tier 2)