



COMcheck Software Version COMcheckWeb

Envelope Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: Jackson Hospital Rehab Shell and TI Buildout 240626
Location: Marianna, Florida
Climate Zone: 2a
Project Type: New Construction
Vertical Glazing / Wall Area: 15%
Performance Sim. Specs: EnergyPlus 8.1.0.009 (EPW: USA_FL_Tallahassee.Rgnl.AP.722140_TMY3.epw)

Construction Site:

Owner/Agent:

Designer/Contractor:

Building Area

Floor Area

1-Physical Therapy (Health Care-Clinic) : Nonresidential	10131
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Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor ^(a)
Roof: Insulation Entirely Above Deck, Cool roof performance data NA, [Bldg. Use 1 - Physical Therapy]	10184	---	30.0	0.032	0.039
Floor: Unheated Slab-On-Grade, [Bldg. Use 1 - Physical Therapy] (c)	453	---	---	0.730	0.730
NORTH					
Ext. Wall: Concrete Block, 8in., Partially Grouted, Cells Ins., Normal Density, Furring: None (d), [Bldg. Use 1 - Physical Therapy]	2125	---	11.0	0.055	0.151
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 - Physical Therapy] (b)	340	---	---	0.450	0.450
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 - Physical Therapy] (b)	25	---	---	0.450	0.770
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Physical Therapy]	45	---	---	0.560	0.370
EAST					
Ext. Wall: Concrete Block, 8in., Partially Grouted, Cells Ins., Normal Density, Furring: None (d), [Bldg. Use 1 - Physical Therapy]	1886	---	11.0	0.055	0.151
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 - Physical Therapy] (b)	11	---	---	0.450	0.450
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 - Physical Therapy] (b)	45	---	---	0.450	0.770
SOUTH					
Ext. Wall: Concrete Block, 8in., Partially Grouted, Cells Ins., Normal Density, Furring: None (d), [Bldg. Use 1 - Physical Therapy]	2127	---	11.0	0.055	0.151
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 - Physical Therapy] (b)	440	---	---	0.450	0.450
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 -	40	---	---	0.450	0.770

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor ^(a)
Physical Therapy] (b)					
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 - Physical Therapy] (b)	40	---	---	0.450	0.770
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Physical Therapy]	29	---	---	0.560	0.370
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Physical Therapy]	29	---	---	0.560	0.370
<u>WEST</u>					
Ext. Wall: Concrete Block, 8in., Partially Grouted, Cells Ins., Normal Density, Furring: None (d), [Bldg. Use 1 - Physical Therapy]	1887	---	11.0	0.055	0.151
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Physical Therapy]	43	---	---	0.560	0.370
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.25, VT 0.50, [Bldg. Use 1 - Physical Therapy] (b)	285	---	---	0.450	0.450

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

(d) CMU insulated cells must be filled with a material having a maximum thermal conductivity of 0.44 Btu in./h-ft²-degrees F. Perlite, vermiculite, polystyrene beads, or spray foam as defined in ASHRAE 2009 Handbook of Fundamentals meet this requirement. Other materials require documentation of thermal conductivity.

Envelope PASSES: Design 2% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope 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.

Dan A. Nesman

Name - Title

Signature

Date



Report date: 12/10/24
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Exterior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: Jackson Hospital Rehab Shell and TI Buildout 240626
Project Type: New Construction
Exterior Lighting Zone: 2 (Light industrial area with limited nighttime use (LZ2))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	937 ft2	0.25	Yes	234
Pedestrian and vehicular entrances and exits	7 ft of door	14	Yes	98
Illuminated length of facade wall or surface	251 ft	2.5	No	628
Total Tradable Watts (a) =				332
Total Allowed Watts =				960
Total Allowed Supplemental Watts (b) =				400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
<u>Entry canopy (937 ft2): Tradable Wattage</u>				
LED: Other:	1	4	44	176
LED: Other:	1	5	44	220
<u>Pedestrian and vehicular entrances and exits (7 ft of door width): Tradable Wattage</u>				
LED: Other:	1	1	44	44
LED: Other:	1	2	44	88
<u>Illuminated length of facade wall or surface (251 ft): Non-tradable Wattage</u>				
LED: Other:	1	7	35	245
Total Tradable Proposed Watts =				528

Exterior Lighting PASSES: Design 28% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting 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.

Dan A. Nesman

Name - Title

Signature

Date



COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: Jackson Hospital Rehab Shell and TI Buildout 240626
Location: Marianna, Florida
Climate Zone: 2a
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Mechanical Systems List

Quantity System Type & Description

- 1 HVAC System (Multiple-Zone):
Cooling: 1 each - Single Package DX Unit, Capacity = 232 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: Humidity Requirements
Proposed Efficiency = 11.76 EER, Required Efficiency = 11.00 EER
Proposed Part Load Efficiency = 14.99 IEER, Required Part Load Efficiency = 14.20 IEER
Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 1 Supply, Multi-Zone VAV, 5320 CFM, 5.0 motor nameplate hp, 1.29 fan energy index
- 1 HVAC System (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 7 kBtu/h,
Proposed Efficiency = 9.00 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 12 kBtu/h,
Proposed Efficiency = 24.00 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: FAN SYSTEM 3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 5 Supply, Single-Zone VAV, 424 CFM, 0.1 motor nameplate hp, 1.00 fan energy index
- 1 HVAC System (Single Zone):
Cooling: 1 each - DX DOAS w/ Heat Recovery (Dehumidification), Capacity = 253 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 5.50 ISMRE, Required Efficiency = 5.20 ISMRE
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: FAN SYSTEM 2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 2 Supply, Constant Volume, 8200 CFM, 5.0 motor nameplate hp, 1.00 fan energy index

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.

Dan A. Nesman
Name - Title

Signature

Date



Inspection Checklist

Energy Code: 90.1 (2019) Standard

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 # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 5.4.3.1.1, 5.7 [PR1] ¹	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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	
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	
4.2.2, 9.4.3, 9.7 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.7 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ 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	Plan Review	Complies?	Comments/Assumptions
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	
5.5.4.2.3 [PR7] ²	In buildings > 2,500 ft ² , any enclosed spaces directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse, corridor, storage (including nonrefrigerated warehouse), gymnasium, fitness/exercise area, playing area, gymnasium seating area, convention exhibit/event space, courtroom, automotive service, fire station engine room, manufacturing corridor/transition and bay areas, retail, library reading and stack areas, distribution/sorting area, transportation baggage and seating areas, or workshop, the following requirements apply: The daylight zone under skylights is >= half the floor area and (a) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40 or (b) the minimum skylight effective aperture >= 1 percent. The skylights have a measured haze value > 90 percent.	☐ 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	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [FO1] ²	Installed below-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-_____	R-_____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
4.2.4 [FO3] ²	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-_____ ☐ Unheated ☐ Heated	R-_____ ☐ Unheated ☐ Heated	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2 [FO4] ²	Slab edge insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.5.3.5 [FO5] ²	Slab edge insulation depth/length.	_____ ft	_____ ft	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.8.1.7 [FO6] ¹	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.1.7.3 [FO7] ¹	Insulation in contact with the ground has ≤0.3% water absorption rate per ASTM C272.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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	
6.4.4.1.5 [FO11] ³	Bottom surface of floor structures incorporating radiant heating insulated to ≥R-3.5.	R-_____	R-_____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.

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	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1] ³	Factory-built and site-assembled fenestration and doors are labeled or certified as meeting air leakage requirements.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.5.4.3a [FR8] ¹	Vertical fenestration U-Factor.	U-____	U-____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.5.4.3b [FR9] ¹	Skylight fenestration U-Factor.	U-____	U-____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.5.4.4.1 [FR10] ¹	Vertical fenestration SHGC value.	SHGC:____	SHGC:____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.5.4.4.2 [FR11] ¹	Skylight SHGC value.	SHGC:____	SHGC:____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5 [FR12] ²	Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.2.2 [FR13] ¹	Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been provided by the manufacturer.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.5.3.6 [FR14] ²	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U-____ ☐ Swinging ☐ Nonswinging	U-____ ☐ Swinging ☐ Nonswinging	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.4.3.1 [FR15] ¹	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces in climate zones 1-6.			☐ 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	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.1.4, 6.4.1.5 [ME1] ²	HVAC equipment efficiency verified. Non-NAECA HVAC equipment labeled as meeting 90.1.	Efficiency: _____	Efficiency: _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
6.4.3.4.1 [ME3] ³	Stair and elevator shaft vents have motorized dampers that automatically close.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.3.4.5 [ME39] 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	
6.4.3.4.4 [ME5] ³	Ventilation fans >0.75 hp have automatic controls to shut off fan when not required.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.3.8 [ME6] 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	
6.5.3.2.1 [ME40] ²	DX cooling systems >= 75 kBtu/h (>= 65 kBtu/h effective 1/2016) and chilled-water and evaporative cooling fan motor hp >= ¼ designed to vary supply fan airflow as a function of load and comply with operational requirements.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
6.4.4.1.1 [ME7] ³	Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is vapor retardant.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.4.1.2 [ME8] ²	HVAC ducts and plenums insulated per Table 6.8.2. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	R- _____	R- _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.4.1.3 [ME9] ²	HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation Inspection.	_____ in.	_____ in.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.4.1.4 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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	

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

Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
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	
6.4.4.2.2 [ME11] ³	Ductwork operating >3 in. water column requires air leakage testing.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.5.2.1 [ME17] ¹	Zone controls can limit reheating, recooling, simultaneous heating and cooling and sequence heating and cooling to each zone.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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	
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	
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	
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	
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	
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	

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

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	
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	
6.5.3.2.2 [ME23] ²	VAV fans have static pressure sensors positioned so setpoint <=1.2 in. w.c. design pressure.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.5.3.2.3 [ME24] ²	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure. Controls provide: zone damper monitoring or indicator of static pressure need; autodetection, alarm, and operator override of zones excessively triggering reset logic.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.5.3.2.4 [ME102] ²	Return and relief fans used to meet Section 6.5.1.1.5 have relief air rate controlled to maintain building pressure through differential supply-return airflow tracking. Systems with supply fans allowed to control the relief system based on outdoor air damper position. Fans have variable speed control or other devices for managing total return/relief fan system demand per section threshold.			☐ 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	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 have static pressure setpoint reset controls.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values.
6.5.4.2 [ME25] ³	HVAC pumping systems with >= 3 control valves designed for variable fluid flow (see section details).			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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 transfer air (see section details).			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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	
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	
6.5.8.1 [ME34] ²	Unenclosed spaces that are heated use only radiant heat.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
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	
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	
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	

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	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	
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	
9.4.1.1 [EL1] ²	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.1 [EL2] ²	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.1f [EL13] ¹	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.4 [EL3] ²	Automatic lighting controls for exterior lighting installed.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.4.1.3 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.6.2 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
10.4.1 [EL9] ²	Electric motors meet requirements where applicable.	☐ 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	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [IN2] ¹	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	R-____ ☐ Above deck ☐ Metal ☐ Attic	R-____ ☐ Above deck ☐ Metal ☐ Attic	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2, 5.8.1.3 [IN3] ¹	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is <= 3:12.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	R-____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2 [IN7] ¹	Above-grade wall insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN8] ²	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R-____ ☐ Mass ☐ Steel ☐ Wood	R-____ ☐ Mass ☐ Steel ☐ Wood	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
5.8.1.1 [IN10] ²	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.1.9 [IN18] ²	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.1.4 [IN11] ²	Eaves are baffled to deflect air to above the insulation.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.1.5 [IN12] ²	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.1.6 [IN13] ²	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.1.7.1 [IN15] ²	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐ 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	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.7.2 [IN16] ²	Foundation vents do not interfere with insulation.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
5.8.1.8 [IN17] ³	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			☐ 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
5.4.3.3 [FI1] ¹	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.3.1.1 [FI2] ²	Heating and cooling to each zone is controlled by a thermostat control.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.3.1.2 [FI3] ³	Thermostatic controls have a 5 °F deadband.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.3.2 [FI20] ³	Temperature controls have setpoint overlap restrictions.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.3.3.1 [FI21] ³	HVAC systems equipped with at least one automatic shutdown control.	☐ Complies ☐ Does Not ☐ 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 ☐ Not Observable ☐ Not Applicable	
6.4.3.3.4 [FI23] ³	Zone isolation devices and controls.	☐ Complies ☐ Does Not ☐ 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 ☐ 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 operational requirements).	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.4.3.6 [FI6] ³	When humidification and dehumidification are provided to a zone, simultaneous operation is 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.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.7.2.1 [FI7] ³	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
6.7.2.2 [FI8] ³	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐ 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
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 ☐ Not Observable ☐ Not Applicable	
8.7.1 [FI16] ³	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
8.7.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
9.2.2.3 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Interior Lighting fixture schedule for values.
9.4.2 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Exterior Lighting fixture schedule for values.
9.4.4 [FI20] ¹	At least 75% of all permanently installed lighting fixtures in dwelling units have >= 55 lm/W efficacy or a >= 45 lm/W total luminaire efficacy.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	
10.4.3 [FI24] ²	Elevators are designed with the proper lighting, ventilation power, and standby mode.	☐ 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)