



Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: 61602 NCWSA
Location: Covington, Georgia
Climate Zone: 3A
Project No: 141435
Project Name: Addition
Is Renewable: false
Has Battery: false
Has Charger: false
Has Heat Pump: false



Mechanical Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: 61602 NCWSA
Location: Covington, Georgia
Climate Zone: 3A
Project Type: Addition

Construction Site: 11325 Brown Bridge Road
Owner/Agent: Tim McCard
Designer/Contractor: Michael Worden

Mechanical Systems List

Quantity	Component	Description
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HVAC Systems

1 RTU-1 (Multiple-Zone)
Single Package Heat Pump
Heating Mode Capacity = 71 kBtu/h
Proposed Efficiency = 3.54 COP, Required Efficiency = 3.30 COP
Cooling Mode Capacity = 102 kBtu/h, Air Economizer
Proposed Efficiency = 12.10 EER, Required Efficiency = 10.80 EER
Proposed Part Load Efficiency = 17.50 EER, Required Part Load Efficiency = 11.80 EER
Fan System: RTU-1 (1) First floor entrance and 2nd floor conference rooms - Compliance (Motor nameplate HP and fan efficiency method) - Passes

Fans:
SP-1 Supply, Multi-Zone VAV, 2800 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency, fan exception: Single fan <= SHP
EP-1 Exhaust, Multi-Zone VAV, 2800 CFM, 2.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency, fan exception: Single fan <= SHP

1 RTU-2 (Multiple-Zone)
Single Package Heat Pump
Heating Mode Capacity = 49 kBtu/h
Proposed Efficiency = 3.54 COP, Required Efficiency = 3.30 COP
Cooling Mode Capacity = 102 kBtu/h, Air Economizer
Proposed Efficiency = 12.10 EER, Required Efficiency = 10.80 EER
Proposed Part Load Efficiency = 17.50 EER, Required Part Load Efficiency = 11.80 EER
Fan System: RTU-2 (2) Second floor offices - Compliance (Motor nameplate HP and fan efficiency method) - Passes

Fans:
Supply fan Supply, Multi-Zone VAV, 3800 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency, fan exception: Single fan <= SHP
Exhaust fan Exhaust, Multi-Zone VAV, 3100 CFM, 2.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency, fan exception: Single fan <= SHP

1 RTU-3 (Multiple-Zone)
Single Package Heat Pump
Heating Mode Capacity = 77 kBtu/h
Proposed Efficiency = 3.54 COP, Required Efficiency = 3.30 COP
Cooling Mode Capacity = 117 kBtu/h, Air Economizer
Proposed Efficiency = 11.00 EER, Required Efficiency = 10.80 EER
Proposed Part Load Efficiency = 14.60 EER, Required Part Load Efficiency = 11.80 EER
Fan System: RTU-3 (3) Conference Room - Compliance (Motor nameplate HP and fan efficiency method) - Passes

Fans:
Supply Y Supply, Multi-Zone VAV, 3100 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency, fan exception: Single fan <= SHP
Exhaust fan Exhaust, Multi-Zone VAV, 3100 CFM, 2.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency, fan exception: Single fan <= SHP

Quantity	Component	Description
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Water Heaters
1 Water Heater for addition: Electric Storage Water Heater, Capacity: 30 gallons w/ Circulation Pump
No minimum efficiency requirement applies

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 2015 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title	Signature	Date
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Inspection Checklist

Energy Code: 2015 IECC

Requirements: 85% were addressed directly in the COMcheck software.

Test 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.

Plan Review

Section # & Req ID	Plan Review	Complies?	Comments/Assumptions
C406 (F09)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C103.2 (PR2)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment to the standard are claimed. Load calculations per applicable engineering standards and handbooks.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: n/a
C103.2 (PR2)	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 Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: n/a

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Footing / Foundation Inspection

Section # & Req ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C402.2.6 (F012)	Radiant heating systems panels insulated to >= R-5 on face opposite space being heated.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
C403.2.4.5, C403.2.4.6 (F02)	Shrinkage melting system designed for future correction to controls. Freeze protection systems have automatic controls installed.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Report Title: 61602 NCWSA

Report Date: Aug 18, 2026, 11:12 AM (PDT)

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Report Date: Aug 18, 2026, 11:12 AM (PDT)

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Plumbing Rough-In Inspection

Section # & Req ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 (FL6)	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.6.1, C404.6.2 (FL9)	Automatic fire switches installed to automatically shut-off the recirculating hot water system or heat tube.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: P301
C404.6.3 (FL7)	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.7 (FL8)	Water distribution system that pumps water from a heated water supply pipe back to the heated water source through a cold-water supply pipe is a direct recirculation water system. Pumps within this system have controls that limit the pump going reversing a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Mechanical Rough-In Inspection

Section # & Req ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 (ME41)	Thermally reflective panel surfaces of sensible heating panels have insulation >= R-5.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.4.4 (ME12)	Zone isolation devices and controls installed where applicable.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: M101 & M102
C403.2.4.7 (ME13)	Fault detection and diagnostics installed with an cooled unitary VAV units having economizers.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C403.2.6.1 (ME59)	Demand control ventilation provided for spaces >500 sq ft and >20 people/1000 sq ft occupied density and served by systems with at least one economizer and recirculating outside air damper control, or design airflow >1.00 cfm.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: M104
C403.2.6.2 (ME159)	Exhaust parking garage ventilation has automatic carbon monoxide detection and capacity to handle >100% of the design capacity.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.7 (ME107)	Exhaust air energy recovery on systems having Table C403.2.7.1) and C403.2.7.2).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.8 (ME160)	Kitchen exhaust systems comply with replacement air and conditioned supply air requirements, and satisfy hood rating criteria.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.9 (ME59)	HVAC ducts and plenums insulated. Where ducts or plenums are installed in unconditioned spaces, they are insulated to meet the requirements for design capacity, limit shut-off, integrated economizer controls, and provide a means to relieve excess outside air during operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230713
C403.2.9 (ME10)	Ducts and plenums sealed based on static pressure and location.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230313
C403.2.9.1.3 (ME117)	Ductwork operating >= 1 in. water column requires air leakage testing.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.3 (ME62)	Air economizers provided where required, meet the requirements for design capacity, limit shut-off, integrated economizer controls, and provide a means to relieve excess outside air during operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 237414

Section # & Req ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.3.2 (ME16)	Economizer operation will not increase heating energy use during normal operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Economizers on VAV systems. Location on plans/spec: Div 237414
C403.4.1.1 (ME75)	Hydronic and multi-zone HVAC system controls and VAV fans driven by mechanical or electrical variable speed drives per Table C403.4.1.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 237414
C403.4.1.2 (ME57)	VAV fans have static pressure sensors located so controller setpoint <= 1.2 w.c.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230993
C403.4.1.3 (ME42)	Real static pressure report for CDC controlled VAV zones reporting to control controller based on the zones requiring the most pressure.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.4.2.3.1 (ME131)	Closed-circuit cooling tower within heat pump loop have either automatic bypass valves or heat exchanger parallel bypass valves. Heat pump water flow around the tower. Open or closed circuit. Heat exchanger down heat loss by shuttling down the heat pump loop during the cooling tower loop.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.4.4.6 (ME109)	Multiple zone VAV systems with CDC or individual zone boxes have static pressure report control.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply. See the Mechanical Systems list for values
C403.4.2.3 (F141)	Systems include optimum start controls.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.3 (F111)	Heat traps installed on supply and discharge piping of non-circulating systems.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.5, C403.5.1, C403.5.2 (ME123)	Refrigerated display cases, walk-in coolers or walk-in freezers arrived by vendors, compressed and sealed. Units have fan powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C403.2.13 (ME17)	Unenclosed spaces that are heated only by radiant heat.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.

Additional Comments/Assumptions:

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

Section # & Req ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1.1 (F142)	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: M301
C403.2.4.1.2 (F138)	Thermostatic controls have a 5°F deadband.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230993
C403.2.4.1.3 (F139)	Temperature controls have setpoint overlap restrictions.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230993
C403.2.4.2 (F139)	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230993
C403.2.4.2.1, C403.2.4.2.2 (F140)	Automatic Controls: Setback to 50°F (heat) and 65°F (cool). 10-hour clock. 1-hour occupant override, 10-hour backup.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230993
C403.2.4.2.3 (F141)	Systems include optimum start controls.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.3 (F111)	Heat traps installed on supply and discharge piping of non-circulating systems.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.4 (F129)	All piping insulated in accordance with section details and Table C403.2.10.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C404.6.1 (F142)	Controls are installed that limit the operation of a refrigeration pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: P301
C403.3, C403.2.5.3 (F02)	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.1 (F108)	Commissioning plan developed by registered design professional or approved agency.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230800

Section # & Req ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.3.1 (F107)	HVAC equipment has been tested to ensure proper operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230800
C408.2.3.2 (F107)	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230800
C408.2.3.3 (F107)	Economizers have been tested to ensure proper operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230800
C408.2.4 (F109)	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230800
C408.2.5.1 (F17)	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.5.3 (F143)	An air and/or hydronic system balancing report is provided for HVAC systems.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230993
C408.2.5.4 (F130)	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: Div 230800
C403.2.2 (F077)	HVAC systems and equipment capacity does not exceed calculated loads.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: M301
C403.2.4.1 (F147)	Heating and cooling to each zone is controlled by a dedicated control. Minimum one turn-on control device per installed humidification/dehumidification system.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: M104

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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BROWN AND CALDWELL
900 HAMMOND DRIVE, SUITE 500
ATLANTA, GA 30328



CONSTRUCTION DOCUMENTS
07/01/2026



NCWSA OFFICE ADDITION

REVISIONS

REV	DATE	DESCRIPTION
1	8/18/26	AHJ COMMENTS

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: CJP

DRAWN: CJP

CHECKED: NBN

CHECKED:

APPROVED: RFJ

FILENAME

BC PROJECT NUMBER

Project Number

CLIENT PROJECT NUMBER

COMCHECK COMPLIANCE

DRAWING NUMBER

M602