

COMcheck Software Version 4.0.8.2
Mechanical Compliance Certificate

Project Information:
 Energy Code: 90.1 (2007) Standard
 Project Title: Extended Stay America - Pooler, GA
 Location: Pooler, Georgia
 District Zone: 2a
 Project Type: New Construction
 Construction Size: Unoccupied Unoccupied/Commercial

Mechanical Systems List
Quantity System Type & Description:
 1 PTAC-1 (Single Zone)
 Packaged Terminal Heat Pump
 Heating Mode Capacity = 11.6Btu/h
 Proposed Efficiency = 3.70 COP, Required Efficiency = 3.69 COP
 Cooling Mode Capacity = 12.0Btu/h
 Proposed Efficiency = 12.00 SEER, Required Efficiency = 12.00 SEER
 Fan System: FC-1 - Compliance (Motor nameplate HP method) - Passes
 Fans:
 FAN 1 Supply, Constant Volume, 775 CFM, 0.5 motor nameplate hp

1 FC-1 (Single Zone)
 Split System Heat Pump
 Heating Mode Capacity = 11.6Btu/h
 Proposed Efficiency = 9.00 HSPF, Required Efficiency = 7.70 HSPF
 Cooling Mode Capacity = 20.0Btu/h
 Proposed Efficiency = 18.00 SEER, Required Efficiency = 15.00 SEER
 Fan System: FC-1 - Compliance (Motor nameplate HP method) - Passes
 Fans:
 FAN 2 Supply, Constant Volume, 1400 CFM, 0.2 motor nameplate hp

1 FC-2 (Single Zone)
 Split System Heat Pump
 Heating Mode Capacity = 11.6Btu/h
 Proposed Efficiency = 9.00 HSPF, Required Efficiency = 7.70 HSPF
 Cooling Mode Capacity = 20.0Btu/h
 Proposed Efficiency = 18.00 SEER, Required Efficiency = 15.00 SEER
 Fan System: FC-2 - Compliance (Motor nameplate HP method) - Passes
 Fans:
 FAN 3 Supply, Constant Volume, 665 CFM, 0.6 motor nameplate hp

1 FC-3 (Single Zone)
 Split System Heat Pump
 Heating Mode Capacity = 11.6Btu/h
 Proposed Efficiency = 9.00 HSPF, Required Efficiency = 7.70 HSPF
 Cooling Mode Capacity = 20.0Btu/h
 Proposed Efficiency = 18.00 SEER, Required Efficiency = 15.00 SEER
 Fan System: FC-3 - Compliance (Motor nameplate HP method) - Passes
 Fans:
 FAN 4 Supply, Constant Volume, 1220 CFM, 0.5 motor nameplate hp

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Section #	Priority / Penetration Inspection	Plane Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.2.2	Verify penetrations and check marking system status for future compliance to records.			Complies Does Not Not Observable Not Applicable	

Additional Comments/Assumptions:

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Quantity System Type & Description:
 1 FC-4 (Single Zone)
 Split System Heat Pump
 Heating Mode Capacity = 11.6Btu/h
 Proposed Efficiency = 9.00 HSPF, Required Efficiency = 7.70 HSPF
 Cooling Mode Capacity = 19.0Btu/h
 Proposed Efficiency = 17.00 SEER, Required Efficiency = 15.00 SEER
 Fan System: FC-4 - Compliance (Motor nameplate HP method) - Passes
 Fans:
 FAN 5 Supply, Constant Volume, 825 CFM, 0.5 motor nameplate hp

1 FC-5 (Single Zone)
 Split System Heat Pump
 Heating Mode Capacity = 11.6Btu/h
 Proposed Efficiency = 9.00 HSPF, Required Efficiency = 7.70 HSPF
 Cooling Mode Capacity = 16.0Btu/h
 Proposed Efficiency = 16.00 SEER, Required Efficiency = 15.00 SEER
 Fan System: FC-5 - Compliance (Motor nameplate HP method) - Passes
 Fans:
 FAN 6 Supply, Constant Volume, 525 CFM, 0.5 motor nameplate hp

1 FC-6 (Single Zone)
 Split System Heat Pump
 Heating Mode Capacity = 11.6Btu/h
 Proposed Efficiency = 9.00 HSPF, Required Efficiency = 7.70 HSPF
 Cooling Mode Capacity = 26.0Btu/h
 Proposed Efficiency = 16.00 SEER, Required Efficiency = 13.00 SEER
 Fan System: FC-6 - Compliance (Motor nameplate HP method) - Passes
 Fans:
 FAN 7 Supply, Constant Volume, 909 CFM, 0.5 motor nameplate hp

1 Water Heater 1:
 Gas Storage Water Heater, Capacity: 130 gallons, Input Rating: 800 MBtu/h w/ Circulation Pump
 Proposed Efficiency: 97.00 % EI, Required Efficiency: 97.00 % EI

1 Water Heater 2:
 Gas Storage Water Heater, Capacity: 130 gallons, Input Rating: 800 MBtu/h w/ Circulation Pump
 Proposed Efficiency: 97.00 % EI, Required Efficiency: 97.00 % EI

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Section #	Priority / Penetration Inspection	Plane Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.2.2	Verify penetrations and check marking system status for future compliance to records.			Complies Does Not Not Observable Not Applicable	

Additional Comments/Assumptions:

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Inspection Checklist
Energy Code: 90.1 (2007) 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 demonstrated, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section #	Plan Review	Complies?	Comments/Assumptions
4.2.2.1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment, and document where an exception to the standard is claimed. Load calculations per acceptable engineering standards and methods.	Complies Does Not Not Observable Not Applicable	
4.2.2.2	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 an exception to the standard is claimed. Hot water systems shall per manufacturer's energy guide.	Complies Does Not Not Observable Not Applicable	
6.7.2.4	Listed instructions for HVAC systems manufacturing installed on the plans or specifications for products are 90.100-102.	Complies Does Not Not Observable Not Applicable	

Additional Comments/Assumptions:

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Order Plans



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DATE	ISSUE/REVISION
11/01/18	ISSUED FOR PERMIT



COMCHECK COMPLIANCE REPORT
 EXTENDED STAY AMERICA
 POOLER, GEORGIA
 COMMISSION NO: 18-120-00
 DRAWING NO: M0.1