



# Envelope Compliance Certificate

## Project Information

Energy Code: 2015 IECC  
 Project Title: Spindletop Smith Building Renovation  
 Location: Beaumont, Texas  
 Climate Zone: 2a  
 Project Type: Alteration

Construction Site:  
 655 S 8th Street  
 Beaumont, TX 77701

Owner/Agent:

Designer/Contractor:  
 Ronald Jones  
 Architectural Alliane Incorporated  
 350 Pine Street  
 Suite 720  
 Beaumont, TX 77701  
 409 866-7196  
 rjones@architect-aia.com

## Building Area

## Floor Area

1-Office : Nonresidential

21362

## Envelope Assemblies

Post-Alteration Assembly	R-Value		Proposed		Max. Allowed	
	Cavity	Cont.	U-Factor	SHGC	U-Factor	SHGC
Roof 1: Insulation Entirely Above Deck: High Albedo Roof Required, [Bldg. Use 1 - Office]	---	25.0	0.039	---	0.039	---

(a) High albedo roof requirement options: 1) 3-year aged solar reflectance  $\geq$  0.55 thermal emittance  $\geq$  0.75, 2) 3-year aged solar reflectance index  $\geq$  64.0, 3) Initial year aged solar reflectance  $\geq$  0.70 thermal emittance  $\geq$  0.75, 4) Initial year aged solar reflectance index  $\geq$  82.0.

## Envelope PASSES

### Envelope Compliance Statement

*Compliance Statement:* The proposed envelope alteration project 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 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Ronald M. Jones, AIA - Architect

Name - Title

Signature

Date

6-13-22



# Inspection Checklist

Energy Code: 2015 IECC

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
C103.2 [PR1] <sup>1</sup>	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.1 [PR10] <sup>1</sup>	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.1 [PR11] <sup>1</sup>	The skylight area <= 3 percent of the gross roof area.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.4.2 [PR14] <sup>1</sup>	In enclosed spaces > 2,500 ft <sup>2</sup> directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> 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	Complies?	Comments/Assumptions
C303.2.1 [FO6] <sup>1</sup>	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> 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	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C402.5.1 [FR16] <sup>1</sup>	The building envelope contains a continuous air barrier that is sealed in an approved manner and either constructed or tested in an approved manner. Air barrier penetrations are sealed in an approved manner.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.5.5, C403.2.4.3 [ME3] <sup>3</sup>	Stair and elevator shaft vents have motorized dampers that automatically close.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> 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	Complies?	Comments/Assumptions
C303.1 [IN3] <sup>1</sup>	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is $\leq 3$ in 12.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.1 [IN10] <sup>2</sup>	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C303.2.1 [IN14] <sup>2</sup>	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.2.1 [IN17] <sup>3</sup>	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.2.6 [IN18] <sup>3</sup>	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.3 [IN5] <sup>3</sup>	High-albedo roofs satisfy one of the following: 3-year-aged solar reflectance $\geq 0.55$ and thermal emittance $\geq 0.75$ or 3-year-aged solar reflectance index $\geq 64.0$ .	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C104 [IN2] <sup>1</sup>	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
C402.5.1.1 [IN1] <sup>1</sup>	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> 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
C402.5.3 [FI51] <sup>3</sup>	Where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening are located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms are sealed and insulated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C402.5.8 [FI26] <sup>3</sup>	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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# Interior Lighting Compliance Certificate

## Project Information

Energy Code: 2018 IECC  
 Project Title: Smith Bldg Spindletop Center Reno  
 Project Type: Alteration

Construction Site:  
 655 S 8th St.  
 Beaumont, TX 77701

Owner/Agent:

Designer/Contractor:  
 M&E Consulting  
 1304 Bertrand Dr. Suite F7  
 Lafayette, LA 70506

## Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-Health Care-Clinic	21400	0.82	17548
Total Allowed Watts =			17548


## Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<b>Health Care-Clinic (21400 sq.ft.)</b>				
LED: A2: 2'X4' LED Flat Panel: Other:	1	63	30	1890
LED: A3: 2'X4' LED Flat Panel: Other:	1	197	41	8077
LED: A5: 2'X4' LED Flat Panel: Other:	1	6	60	360
LED: B2: 2'X2' LED Flat Panel: Other:	1	3	30	90
LED: C2: 2' LED STRIP: Other:	1	5	30	150
LED: C4: 4' LED STRIP: Other:	1	16	41	656
LED: F4: 4' LED SURFACE: Other:	1	11	34	374
Total Proposed Watts =				11597

## Interior Lighting PASSES

### Interior Lighting Compliance Statement

*Compliance Statement:* The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kirk Goza \_\_\_\_\_ Signature  Date 5/31/2022



# Inspection Checklist

Energy Code: 2018 IECC

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
C103.2 [PR4] <sup>1</sup>	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> 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
C405.2.2.2 [EL22] <sup>1</sup>	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern $\geq 50$ percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1, C405.2.1.1 [EL18] <sup>1</sup>	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces $\leq 300$ sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.2 [EL19] <sup>1</sup>	Occupancy sensors control function in warehouses: In warehouses, the lighting in aiseways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1.3 [EL20] <sup>1</sup>	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces $\geq 300$ sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas $\leq 600$ sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by $\geq 80\%$ of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21] <sup>2</sup>	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

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

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23] <sup>2</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL26] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL27] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.6 [EL26] <sup>2</sup>	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.7 [EL27] <sup>2</sup>	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8.2, C405.8.2.1 [EL28] <sup>2</sup>	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9 [EL29] <sup>2</sup>	Total voltage drop across the combination of feeders and branch circuits $\leq$ 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17] <sup>3</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [FI18] <sup>1</sup>	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.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<i>See the Interior Lighting fixture schedule for values.</i>
C408.1.1 [FI57] <sup>1</sup>	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5.1 [FI16] <sup>3</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [FI33] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

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





# Mechanical Compliance Certificate

## Project Information

Energy Code: 2018 IECC  
Project Title: Smith Bldg Spindletop Center Reno  
Location: Beaumont, Texas  
Climate Zone: 2a  
Project Type: Alteration

Construction Site:  
655 S 8th St.  
Beaumont, TX 77701

Owner/Agent:

Designer/Contractor:  
M&E Consulting  
1304 Bertrand Dr. Suite F7  
Lafayette, LA 70506

## Mechanical Systems List

### Quantity System Type & Description

- 1 HR-1 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 188 kBtu/h,  
Proposed Efficiency = 3.20 COP, Required Efficiency = 3.20 COP  
Cooling Mode: Capacity = 168 kBtu/h,  
Proposed Efficiency = 11.00 EER, Required Efficiency: 10.60 EER + 11.6 IEER  
Fan System: None
- 1 HR-2 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 215 kBtu/h,  
Proposed Efficiency = 3.20 COP, Required Efficiency = 3.20 COP  
Cooling Mode: Capacity = 192 kBtu/h,  
Proposed Efficiency = 11.00 EER, Required Efficiency: 10.60 EER + 11.6 IEER  
Fan System: None
- 1 HR-3 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 270 kBtu/h,  
Proposed Efficiency = 3.20 COP, Required Efficiency = 3.20 COP  
Cooling Mode: Capacity = 240 kBtu/h,  
Proposed Efficiency = 10.00 EER, Required Efficiency: 9.50 EER + 10.6 IEER  
Fan System: None
- 2 PEFY-P18 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 20 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 18 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PEFY-P18 -- Compliance (Motor nameplate HP method) : Passes  
  
Fans:  
FAN 1 Supply, Constant Volume, 600 CFM, 0.5 motor nameplate hp, 0.7 fan efficiency grade
- 9 PLFY-EP24 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 27 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 24 kBtu/h,

**Quantity System Type & Description**

Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-EP24 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 2 Supply, Constant Volume, 777 CFM, 0.2 motor nameplate hp, 0.7 fan efficiency grade

- 37 PLFY-P05 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 6 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 5 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-P05 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 3 Supply, Constant Volume, 280 CFM, 0.3 motor nameplate hp, 0.7 fan efficiency grade

- 4 PLFY-P08 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 9 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 8 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-P08 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 4 Supply, Constant Volume, 350 CFM, 0.3 motor nameplate hp, 0.7 fan efficiency grade

- 3 PLFY-EP36 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 40 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 36 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-EP36 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 5 Supply, Constant Volume, 1165 CFM, 1.0 motor nameplate hp, 0.7 fan efficiency grade

- 1 PLFY-EP18 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 20 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 15 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-EP18 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 6 Supply, Constant Volume, 636 CFM, 0.3 motor nameplate hp, 0.7 fan efficiency grade

- 1 PLFY-P12 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 14 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 12 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-P12 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 7 Supply, Constant Volume, 390 CFM, 0.5 motor nameplate hp, 0.7 fan efficiency grade

- 2 PLFY-P15 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 17 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 15 kBtu/h,



**Quantity System Type & Description**

Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-P15 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 8 Supply, Constant Volume, 390 CFM, 0.3 motor nameplate hp, 0.7 fan efficiency grade

- 1 PLFY-EP48 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 54 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 48 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PLFY-EP48 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 9 Supply, Constant Volume, 1236 CFM, 0.5 motor nameplate hp, 0.7 fan efficiency grade

- 1 PEFY-P30 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 34 kBtu/h,  
Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF  
Cooling Mode: Capacity = 30 kBtu/h,  
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER  
Fan System: PEFY-P30 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 11 Supply, Constant Volume, 883 CFM, 0.8 motor nameplate hp, 0.7 fan efficiency grade

- 1 OACU-1,2 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 135 kBtu/h,  
Proposed Efficiency = 3.30 COP, Required Efficiency = 3.30 COP  
Cooling Mode: Capacity = 120 kBtu/h,  
Proposed Efficiency = 12.10 EER, Required Efficiency: 11.00 EER + 12.0 IEER  
Fan System: None

- 1 OAHU-1,2 (Single Zone):  
Split System Heat Pump  
Heating Mode: Capacity = 61 kBtu/h,  
Proposed Efficiency = 3.30 COP, Required Efficiency = 3.30 COP  
Cooling Mode: Capacity = 112 kBtu/h,  
Proposed Efficiency = 12.10 EER, Required Efficiency: 11.00 EER + 12.0 IEER  
Fan System: OAHU-1,2 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 12 Supply, Constant Volume, 1200 CFM, 0.8 motor nameplate hp, 0.7 fan efficiency grade

- 1 MSCU-1,2 (Single Zone):  
Cooling: 1 each - Split System, Capacity = 12 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: Humidity Requirements  
Proposed Efficiency = 20.00 SEER, Required Efficiency: 13.00 SEER  
Fan System: None

- 1 MSAHU-1,2 (Single Zone):  
Heating: 1 each - Central Furnace, Electric, Capacity = 14 kBtu/h  
No minimum efficiency requirement applies  
Cooling: 1 each - Split System, Capacity = 12 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: Humidity Requirements  
Proposed Efficiency = 13.00 SEER, Required Efficiency: 13.00 SEER  
Fan System: MSACHU-1,2 -- Compliance (Motor nameplate HP method) : Passes

Fans:  
FAN 13 Supply, Constant Volume, 425 CFM, 0.5 motor nameplate hp, 0.7 fan efficiency grade

**Mechanical Compliance Statement**

*Compliance Statement:* The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

SPRAN FREEMAN - MECH DES                                            6-13-22  
Name - Title                                              Signature                                              Date