2020 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA [a]

				CHECK
Project Name:	Philip & Tera Bell Residence	Builder Name:	Reed/McDaniel Construction	
Street:	2488 S.W. Tommy Lites St	Permit Office:	Columbia	
City, State, Zip:	Fort White , FL , 32038	Permit Number:		
Owner:	Philip & Tera Bell	Jurisdiction:	221000	
Design Location:	FL, Gainesville			

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the finished surface.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC supply and return register boots that penetrate building thermal envelope shall be sealed to the sub-floor, wall covering or ceiling		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

AHRI CERTIFIED®
www.ahridirectory.org

Certificate of Product Ratings

AHRI Certified Reference Number : 205365833 Date : 04-03-2022 Model Status : Active

AHRI Type : HRCU-A-CB (Split System: Heat Pump with Remote Outdoor Unit-Air-Source)

Series : LX SERIES

Outdoor Unit Brand Name : YORK

Outdoor Unit Model Number (Condenser or Single Package) : YHE42B23

Indoor Unit Model Number (Evaporator and/or Air Handler) : AE42CBC21

The manufacturer of this YORK product is responsible for the rating of this system combination.

Rated as follows in accordance with the latest edition of AHRI 210/240 - 2017 with Addendum 1, Performance Rating of Unitary Air-Conditioning & Air-Source Heat Pump Equipment and subject to rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (A2) - Single or High Stage (95F), btuh : 40000

SEER : 15.00

EER (A2) - Single or High Stage (95F) : 12.25

Heating Capacity (H12) - Single or High Stage (47F) : 40000

HSPF (Region IV) : 8.20

†"Active" Model Status are those that an AHRI Certification Program Participant is currently producing AND selling or offering for sale; OR new models that are being marketed but are not yet being produced."Production Stopped" Model Status are those that an AHRI Certification Program Participant is no longer producing BUT is still selling or offering for sale.
Ratings that are accompanied by WAS indicate an involuntary re-rate. The new published rating is shown along with the previous (i.e. WAS) rating.

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CERTIFICATE NO.: 132934690569887625

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Certificate of Product Ratings

AHRI Certified Reference Number : 205365833 Date : 04-03-2022 Model Status : Active

AHRI Type : HRCU-A-CB (Split System: Heat Pump with Remote Outdoor Unit-Air-Source)

Series : LX SERIES

Outdoor Unit Brand Name : YORK

Outdoor Unit Model Number (Condenser or Single Package) : YHE42B23

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Cooling Capacity (A2) - Single or High Stage (95F), btuh : 40000

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Heating Capacity (H12) - Single or High Stage (47F) : 40000

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CERTIFICATE NO.: 132934690569887625

FORM R405-2020

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

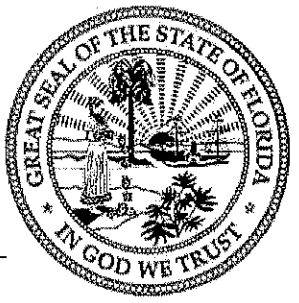
The lower the EnergyPerformance Index, the more efficient the home.

2488 S.W. Tommy Lites St, Fort White, FL, 32038

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Detached
3. Number of units, if multiple family		1
4. Number of Bedrooms		3
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		1802
7. Windows**	Description	Area
a. U-Factor:	Dbl, U=0.47	136.58 ft²
SHGC:	SHGC=0.31	
b. U-Factor:	Dbl, U=0.49	60.00 ft²
SHGC:	SHGC=0.32	
c. U-Factor:	Dbl, U=0.45	35.33 ft²
SHGC:	SHGC=0.36	
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		3.663 ft.
Area Weighted Average SHGC:		0.320
8. Skylights	Description	Area
a. U-Factor(AVG):	N/A	ft²
SHGC(AVG):	N/A	
9. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1800.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

10. Wall Type and Insulation	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1620.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
11. Ceiling Type and insulation level	Insulation	Area
a. Under Attic (Vented)	R=38.0	1802.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
12. Ducts, location & insulation level	R	ft²
a. Sup: Attic, Ret: Attic, AH: Laundry	6	117
13. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	40.0	SEER:15.00
14. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	40.0	HSPF:8.20
15. Hot water systems		
a. Electric		Cap: 50 gallons
		EF: 0.94
b. Conservation features		
None		
Credits (Performance method)		CF, Pstat

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.



Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

Load Short Form
Entire House
New Age Dimensions, LLC.

Job: Philip & Tera Bell
Date: 4/1/2022
By: Dakota Cross
Plan: Manual J & D

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 Email: john.newage@gmail.com

Project Information

For: Touchstone Heating & Air, Inc.
490 S.E. 3rd Avenue, Lake Butler, FL 32054
Phone: (386) 496 - 3467 Fax: (386) 496 - 3147

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	29	47

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make	York
Trade	YORK
Model	YHE42B23
AHRI ref	205365833

Efficiency	8.2 HSPF	
Heating input		
Heating output	40000	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	1400	cfm
Air flow factor	0.049	cfm/Btuh
Static pressure	0.51	in H2O
Space thermostat		

Capacity balance point = 25 °F

Backup:
Input = 10 kW, Output = 34121 Btuh, 100 AFUE

COOLING EQUIPMENT

Make	York
Trade	YORK
Cond	YHE42B23
Coil	AE42CBC21
AHRI ref	205365833

Efficiency	12.3 EER, 15 SEER	
Sensible cooling	28000	Btuh
Latent cooling	12000	Btuh
Total cooling	40000	Btuh
Actual air flow	1400	cfm
Air flow factor	0.049	cfm/Btuh
Static pressure	0.51	in H2O
Load sensible heat ratio	0.76	

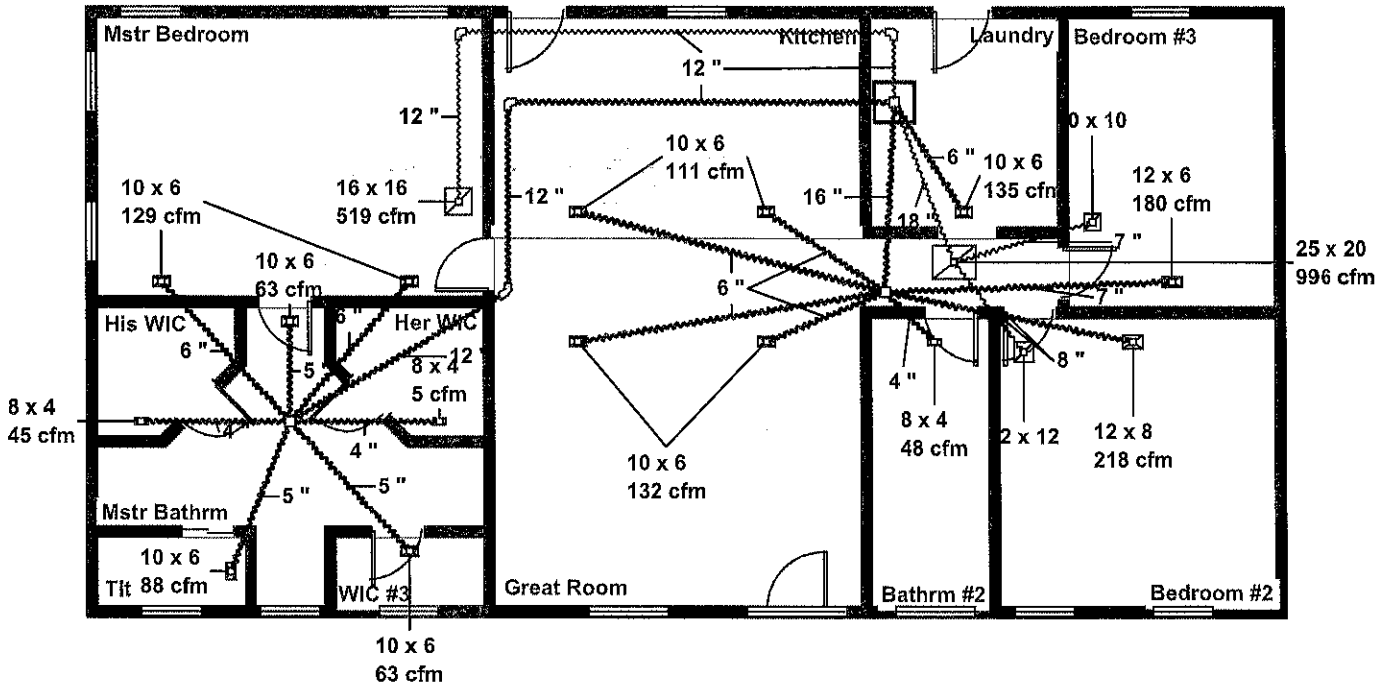
ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Mstr Bedroom	290	5260	4972	257	246
His WIC	45	920	501	45	25
Her WIC	48	59	100	3	5
WIC #3	32	1289	741	63	37
Mstr Bathrm	154	1290	875	63	43
Tlt	32	1791	981	88	48
Bathrm #2	98	991	661	48	33
Bedroom #2	218	4451	3708	218	183
Bedroom #3	165	3686	3226	180	160
Laundry	110	1750	2735	86	135
Kitchen	209	3199	4477	156	221
Great Room	401	3956	5329	193	264

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Entire House	1800	28642	28305	1400	1400
Other equip loads		0	1707		
Equip. @ 0.97 RSM			29111		
Latent cooling			9377		
TOTALS	1800	28642	38487	1400	1400

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Sheet 1



Job #: Philip & Tera Bell **Performed by Dakota Cross for:** Touchstone Heating & Air, Inc. 490 S.E. 3rd Avenue Lake Butler, FL 32054 Phone: (386) 496 - 3467 Fax: (386) 496 - 3147	**New Age Dimensions, LLC.** 14080 S.E. 122nd Lane Road Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 john.newage@gmail.com	Scale: 1 : 116 Page 1 Right-Suite® Universal 2022 22.0.01 RSU02050 2022-Apr-03 10:02:29 ...Philip & Tera Bell Residence.rup

Manual S Compliance Report

Entire House

New Age Dimensions, LLC.

Job: Philip & Tera Bell
Date: 4/1/2022
By: Dakota Cross
Plan: Manual J & D

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 Email: john.newage@gmail.com

Project Information

For: Touchstone Heating & Air, Inc.
490 S.E. 3rd Avenue, Lake Butler, FL 32054
Phone: (386) 496 - 3467 Fax: (386) 496 - 3147

Cooling Equipment

Design Conditions

Outdoor design DB:	92.0°F	Sensible gain:	30011	Btuh	Entering coil DB:	78.4°F
Outdoor design WB:	76.3°F	Latent gain:	9377	Btuh	Entering coil WB:	64.0°F
Indoor design DB:	75.0°F	Total gain:	39388	Btuh		
Indoor RH:	50%	Estimated airflow:	1400	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP			
Manufacturer:	York		Model:	YHE42B23+AE42CBC21
Actual airflow:	1400	cfm		
Sensible capacity:	28000	Btuh	93% of load	
Latent capacity:	12000	Btuh	128% of load	
Total capacity:	40000	Btuh	102% of load	SHR: 70%

Heating Equipment

Design Conditions

Outdoor design DB:	33.4°F	Heat loss:	28642	Btuh	Entering coil DB:	67.0°F
Indoor design DB:	68.0°F					

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP					
Manufacturer:	York			Model:	YHE42B23+AE42CBC21	
Actual airflow:	1400	cfm				
Output capacity:	40000	Btuh	140% of load		Capacity balance:	25 °F
Supplemental heat required:	0	Btuh			Economic balance:	-99 °F

Backup equipment type:	Elec strip					
Manufacturer:				Model:		
Actual airflow:	1400	cfm				
Output capacity:	10.0	kW	119% of load	Temp. rise:	22 °F	

Meets all requirements of ACCA Manual S.

Duct System Summary

Entire House

New Age Dimensions, LLC.

Job: Philip & Tera Bell
Date: 4/1/2022
By: Dakota Cross
Plan: Manual J & D

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 Email: john.newage@gmail.com

Project Information

For: Touchstone Heating & Air, Inc.
490 S.E. 3rd Avenue, Lake Butler, FL 32054
Phone: (386) 496 - 3467 Fax: (386) 496 - 3147

	Heating	Cooling
External static pressure	0.51 in H2O	0.51 in H2O
Pressure losses	0.18 in H2O	0.18 in H2O
Available static pressure	0.33 in H2O	0.33 in H2O
Supply / return available pressure	0.219 / 0.111 in H2O	0.219 / 0.111 in H2O
Lowest friction rate	0.880 in/100ft	0.880 in/100ft
Actual air flow	1400 cfm	1400 cfm
Total effective length (TEL)	340 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Bathrm #2	h	991	48	33	0.880	4.0	0x0	VlFx	13.0	155.0	st2
Bedroom #2	h	4451	218	183	0.880	8.0	0x0	VlFx	22.3	155.0	st2
Bedroom #3	h	3686	180	160	0.880	7.0	0x0	VlFx	24.0	155.0	st2
Great Room	c	2664	97	132	0.880	6.0	0x0	VlFx	25.2	155.0	st2
Great Room-A	c	2664	97	132	0.880	6.0	0x0	VlFx	16.0	155.0	st2
Her WIC	c	100	3	5	0.880	4.0	0x0	VlFx	49.3	175.0	st4
His WIC	h	920	45	25	0.880	4.0	0x0	VlFx	49.3	175.0	st4
Kitchen	c	2238	78	111	0.880	6.0	0x0	VlFx	25.5	155.0	st2
Kitchen-A	c	2238	78	111	0.880	6.0	0x0	VlFx	16.7	155.0	st2
Laundry	c	2735	86	135	0.880	6.0	0x0	VlFx	6.5	95.0	
Mstr Bathrm	h	1290	63	43	0.880	5.0	0x0	VlFx	46.8	175.0	st4
Mstr Bedroom	h	2630	129	123	0.880	6.0	0x0	VlFx	51.3	175.0	st4
Mstr Bedroom-A	h	2630	129	123	0.880	6.0	0x0	VlFx	51.0	175.0	st4
Tlt	h	1791	88	49	0.880	5.0	0x0	VlFx	49.9	175.0	st4
WIC #3	h	1289	63	37	0.880	5.0	0x0	VlFx	50.6	175.0	st4

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	519	404	0.880	660	12.0	0 x 0	VinlFlx	
st3	Peak AVF	519	404	0.880	660	12.0	0 x 0	VinlFlx	st1
st4	Peak AVF	519	404	0.880	660	12.0	0 x 0	VinlFlx	st3
st2	Peak AVF	796	861	0.880	616	16.0	0 x 0	VinlFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	16x 15	519	404	114.0	0.880	660	12.0	0x 0		VlFx	
rb1	25x 18	881	996	78.5	0.880	564	18.0	0x 0		VlFx	rst6

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rst6	Peak AVF	881	996	0.880	564	18.0	0 x 0	VinlFlx	

FORM R405-2020

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Philip & Tera Bell Residence	Builder Name:	Reed/McDaniel Construction
Street:	2488 S.W. Tommy Lites St	Permit Office:	Columbia
City, State, Zip:	Fort White , FL , 32038	Permit Number:	
Owner:	Philip & Tera Bell	Jurisdiction:	221000
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)			
2. Single family or multiple family	Detached			
3. Number of units, if multiple family	1			
4. Number of Bedrooms	3			
5. Is this a worst case?	No			
6. Conditioned floor area above grade (ft²)	1802			
Conditioned floor area below grade (ft²)	0			
7. Windows(231.9 sqft.)	Description		Area	
a. U-Factor:	Dbl, U=0.47		136.58	ft²
SHGC:	SHGC=0.31			
b. U-Factor:	Dbl, U=0.49		60.00	ft²
SHGC:	SHGC=0.32			
c. U-Factor:	Dbl, U=0.45		35.33	ft²
SHGC:	SHGC=0.36			
Area Weighted Average Overhang Depth:			3.663	ft.
Area Weighted Average SHGC:			0.320	
8. Skylights			Area	
c. U-Factor:(AVG)	N/A			ft²
SHGC(AVG):	N/A			
9. Floor Types (1800.0 sqft.)		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=0.0	1800.00	ft²
b. N/A		R=		ft²
c. N/A		R=		ft²

10. Wall Types(1620.0 sqft.)	Insulation	Area	
a. Frame - Wood, Exterior	R=13.0	1620.00	ft²
b. N/A	R=		ft²
c. N/A	R=		ft²
d. N/A	R=		ft²
11. Ceiling Types (1802.0 sqft.)	Insulation	Area	
a. Under Attic (Vented)	R=38.0	1802.00	ft²
b. N/A	R=		ft²
c. N/A	R=		ft²
12. Ducts		R	ft²
a. Sup: Attic, Ret: Attic, AH: Laundry		6	117
13. Cooling systems	kBtu/hr	Efficiency	
a. Central Unit	40.0	SEER:15.00	
14. Heating systems	kBtu/hr	Efficiency	
a. Electric Heat Pump	40.0	HSPF:8.20	
15. Hot water systems			
a. Electric		Cap: 50 gallons	
		EF: 0.945	
b. Conservation features			
None			
16. Credits		CF, Pstat	

Glass/Floor Area: 0.129

Total Proposed Modified Loads: 39.32

Total Baseline Loads: 47.78

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY:John Pirkl

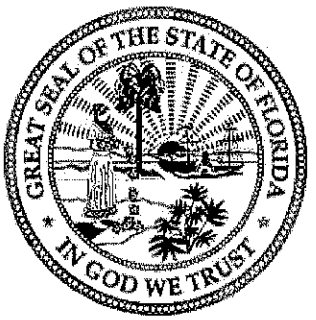
DATE:04/03/2022

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.73 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Philip & Tera Bell Residence	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	1802	Lot #	
Owner Name:	Philip & Tera Bell	Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Reed/McDaniel Construction	Rotate Angle:	0	Street:	2488 S.W. Tommy Lite
Permit Office:	Columbia	Cross Ventilation:	No	County:	Columbia
Jurisdiction:	221000	Whole House Fan:	No	City, State, Zip:	Fort White , FL , 32038
Family Type:	Detached				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Entire House	1802	16218

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Mstr Bedroom	290	2610	No	2	1	1	Yes	Yes	Yes
2	His WIC	45	405	No	0		1	Yes	Yes	Yes
3	Her WIC	48	432	No	0		1	No	Yes	Yes
4	WIC #3	32	288	No	0		1	Yes	Yes	Yes
5	Mstr Bathrm	154	1386	No	0		1	Yes	Yes	Yes
6	Tlt	32	288	No	0		1	Yes	Yes	Yes
7	Bathrm #2	98	882	No	0		1	Yes	Yes	Yes
8	Bedroom #2	218	1962	No	1	1	1	Yes	Yes	Yes
9	Bedroom #3	165	1485	No	1	1	1	Yes	Yes	Yes
10	Laundry	110	990	No	0		1	Yes	Yes	Yes
11	Kitchen	209	1881	Yes	0		1	Yes	Yes	Yes
12	Great Room	401	3609	No	0		1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Mstr Bedroom	34.5 ft	0	290 ft²	___	1	0	0
_____	2	Slab-On-Grade Edge Insulatio	His WIC	7 ft	0	44.5 ft²	___	1	0	0
_____	3	Slab-On-Grade Edge Insulatio	Her WIC	1 ft	0	48 ft²	___	1	0	0
_____	4	Slab-On-Grade Edge Insulatio	WIC #3	8 ft	0	32 ft²	___	1	0	0
_____	5	Slab-On-Grade Edge Insulatio	Mstr Bathrm	8.5 ft	0	153.5 ft²	___	1	0	0

INPUT SUMMARY CHECKLIST REPORT

FLOORS

√	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
____	6	Slab-On-Grade Edge Insulatio	Tlt	12 ft	0	32 ft²	___	1	0	0
____	7	Slab-On-Grade Edge Insulatio	Bathrm #2	6.5 ft	0	97.5 ft²	___	1	0	0
____	8	Slab-On-Grade Edge Insulatio	Bedroom #2	29.5 ft	0	217.5 ft²	___	1	0	0
____	9	Slab-On-Grade Edge Insulatio	Bedroom #3	26 ft	0	165 ft²	___	1	0	0
____	10	Slab-On-Grade Edge Insulatio	Laundry	10 ft	0	110 ft²	___	1	0	0
____	11	Slab-On-Grade Edge Insulatio	Kitchen	19 ft	0	209 ft²	___	1	0	0
____	12	Slab-On-Grade Edge Insulatio	Great Room	19 ft	0	401 ft²	___	1	0	0

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
____	1	Gable or Shed	Metal	2013 ft²	450 ft²	Unfinishe	N	0.9	No	0.4	No	0	26.57

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	1800 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	Mstr Bedroom	38	Blown	290 ft²	0.1	Wood
____	2	Under Attic (Vented)	His WIC	38	Blown	45 ft²	0.1	Wood
____	3	Under Attic (Vented)	Her WIC	38	Blown	48 ft²	0.1	Wood
____	4	Under Attic (Vented)	WIC #3	38	Blown	32 ft²	0.1	Wood
____	5	Under Attic (Vented)	Mstr Bathrm	38	Blown	154 ft²	0.1	Wood
____	6	Under Attic (Vented)	Tlt	38	Blown	32 ft²	0.1	Wood
____	7	Under Attic (Vented)	Bathrm #2	38	Blown	98 ft²	0.1	Wood
____	8	Under Attic (Vented)	Bedroom #2	38	Blown	218 ft²	0.1	Wood
____	9	Under Attic (Vented)	Bedroom #3	38	Blown	165 ft²	0.1	Wood
____	10	Under Attic (Vented)	Laundry	38	Blown	110 ft²	0.1	Wood
____	11	Under Attic (Vented)	Kitchen	38	Blown	209 ft²	0.1	Wood
____	12	Under Attic (Vented)	Great Room	38	Blown	401 ft²	0.1	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	E	Exterior	Frame - Wood	Mstr Bedroo	13	14	6	9	0	130.5 ft²	0	0.25	0.23	0
____	2	S	Exterior	Frame - Wood	Mstr Bedroo	13	20	0	9	0	180.0 ft²	0	0.25	0.23	0
____	3	E	Exterior	Frame - Wood	His WIC	13	7	0	9	0	63.0 ft²	0	0.25	0.23	0
____	4	N	Exterior	Frame - Wood	WIC #3	13	8	0	9	0	72.0 ft²	0	0.25	0.23	0

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	5	N	Exterior	Frame - Wood	Mstr Bathrm	13	4	0	9	0	36.0 ft²	0	0.25	0.23	0
____	6	E	Exterior	Frame - Wood	Mstr Bathrm	13	4	6	9	0	40.5 ft²	0	0.25	0.23	0
____	7	N	Exterior	Frame - Wood	Tlt	13	8	0	9	0	72.0 ft²	0	0.25	0.23	0
____	8	E	Exterior	Frame - Wood	Tlt	13	4	0	9	0	36.0 ft²	0	0.25	0.23	0
____	9	N	Exterior	Frame - Wood	Bathrm #2	13	6	6	9	0	58.5 ft²	0	0.25	0.23	0
____	10	N	Exterior	Frame - Wood	Bedroom #2	13	14	6	9	0	130.5 ft²	0	0.25	0.23	0
____	11	W	Exterior	Frame - Wood	Bedroom #2	13	15	0	9	0	135.0 ft²	0	0.25	0.23	0
____	12	S	Exterior	Frame - Wood	Bedroom #3	13	11	0	9	0	99.0 ft²	0	0.25	0.23	0
____	13	W	Exterior	Frame - Wood	Bedroom #3	13	15	0	9	0	135.0 ft²	0	0.25	0.23	0
____	14	S	Exterior	Frame - Wood	Laundry	13	10	0	9	0	90.0 ft²	0	0.25	0.23	0
____	15	S	Exterior	Frame - Wood	Kitchen	13	19	0	9	0	171.0 ft²	0	0.25	0.23	0
____	16	N	Exterior	Frame - Wood	Great Room	13	19	0	9	0	171.0 ft²	0	0.25	0.23	0

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	E	1	Vinyl	Low-E Double	Yes	0.45	0.36	N	3.0 ft²	1 ft 4 in	4 ft 0 in	None	None
_____	2	E	1	Vinyl	Low-E Double	Yes	0.45	0.36	N	3.0 ft²	1 ft 4 in	8 ft 0 in	None	None
_____	3	S	2	Vinyl	Low-E Double	Yes	0.47	0.31	N	30.0 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5
_____	4	N	4	Vinyl	Low-E Double	Yes	0.47	0.31	N	14.6 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5
_____	5	N	5	Vinyl	Low-E Double	Yes	0.45	0.36	N	3.0 ft²	1 ft 4 in	0 ft 9 in	None	None
_____	6	N	7	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5
_____	7	N	9	Vinyl	Low-E Double	Yes	0.45	0.36	N	4.0 ft²	1 ft 4 in	0 ft 9 in	None	None
_____	8	N	10	Vinyl	Low-E Double	Yes	0.47	0.31	N	30.0 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5
_____	9	S	12	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5
_____	10	S	14	Vinyl	Low-E Double	Yes	0.49	0.32	N	20.0 ft²	1 ft 4 in	0 ft 9 in	None	None
_____	11	S	15	Vinyl	Low-E Double	Yes	0.49	0.32	N	20.0 ft²	1 ft 4 in	0 ft 9 in	None	None
_____	12	S	15	Vinyl	Low-E Double	Yes	0.47	0.31	N	12.0 ft²	1 ft 4 in	0 ft 9 in	Drapes/blinds	Exterior 5
_____	13	N	16	Vinyl	Low-E Double	Yes	0.49	0.32	N	20.0 ft²	10 ft 0 in	0 ft 9 in	None	None
_____	14	N	16	Vinyl	Low-E Double	Yes	0.47	0.31	N	20.0 ft²	10 ft 0 in	0 ft 9 in	Drapes/blinds	Exterior 5
_____	15	N	16	Vinyl	Low-E Double	Yes	0.45	0.36	N	4.0 ft²	10 ft 0 in	0 ft 9 in	None	None
_____	16	N	16	Vinyl	Low-E Double	Yes	0.45	0.36	N	5.0 ft²	10 ft 0 in	0 ft 9 in	None	None
_____	17	N	16	Vinyl	Low-E Double	Yes	0.45	0.36	N	13.3 ft²	10 ft 0 in	0 ft 9 in	None	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000327	1548.8	84.97	159.53	.1177	5.73

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM

√	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	Split	Singl	HSPF:8.2	40 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	Split	Singl	SEER: 15	40 kBtu/hr	1400 cfm	0.7	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Laundry	0.945	50 gal	60.9 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	6	117 ft²	Attic	48 ft²	Default Leakage	Laundry	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	Mstr Bedroom
Default(8 lbs/sq.ft.	ft²	ft	0.3	His WIC
Default(8 lbs/sq.ft.	ft²	ft	0.3	Her WIC
Default(8 lbs/sq.ft.	ft²	ft	0.3	WIC #3
Default(8 lbs/sq.ft.	ft²	ft	0.3	Mstr Bathrm
Default(8 lbs/sq.ft.	ft²	ft	0.3	Tlt
Default(8 lbs/sq.ft.	ft²	ft	0.3	Bathrm #2
Default(8 lbs/sq.ft.	ft²	ft	0.3	Bedroom #2

INPUT SUMMARY CHECKLIST REPORT

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	ft²	ft	0.3	Bedroom #3
Default(8 lbs/sq.ft.	ft²	ft	0.3	Laundry
Default(8 lbs/sq.ft.	ft²	ft	0.3	Kitchen
Default(8 lbs/sq.ft.	ft²	ft	0.3	Great Room