

Certificate of Product Ratings

AHRI Certified Reference Number : 202180222

Date : 04-29-2022

Model Status : Active

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

Series : AFFINITY

Outdoor Unit Brand Name : YORK

Outdoor Unit Model Number (Condenser or Single Package) : YZT60B21

Indoor Unit Model Number (Evaporator and/or Air Handler) : AVC60DX21+TXV

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 : 56500

SEER : 16.50

EER (A2) - Single or High Stage (95F) : 12.50

Heating Capacity (H12) - Single or High Stage (47F) : 57500

HSPF (Region IV) : 9.60

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†"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.

DISCLAIMER

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CERTIFICATE VERIFICATION

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AIR-CONDITIONING, HEATING,
& REFRIGERATION INSTITUTE

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CERTIFICATE NO.:

132957184124009692

Certificate of Product Ratings

AHRI Certified Reference Number : 202180731

Date : 04-29-2022

Model Status : Active

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

Series : AFFINITY

Outdoor Unit Brand Name : YORK

Outdoor Unit Model Number (Condenser or Single Package) : YZT24B21

Indoor Unit Model Number (Evaporator and/or Air Handler) : AVC24BX21+TXV

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 : 22200

SEER : 17.00

EER (A2) - Single or High Stage (95F) : 13.50

Heating Capacity (H12) - Single or High Stage (47F) : 23200

HSPF (Region IV) : 9.00

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we make life better™

CERTIFICATE NO.:

132957184660417033

2020 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA ^a

Project Name: PJ Patel Residence Street: City, State, Zip: Lake City, FL, 32025 Owner: Touchstone Heating & Air, Inc. Design Location: FL, Gainesville			Builder Name: PJ Patel Permit Office: Columbia Permit Number: Jurisdiction: 221000	CHECK
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.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: PJ Patel Residence Street: City, State, Zip: Lake City, FL, 32025 Owner: Touchstone Heating & Air, Inc. Design Location: FL, Gainesville	Builder Name: PJ Patel Permit Office: Columbia Permit Number: Jurisdiction: 221000 County: Columbia (Florida Climate Zone 2)
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Glass/Floor Area: 0.159	Total Proposed Modified Loads: 75.58	PASS
	Total Baseline Loads: 94.30	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: John Pirkle _____ DATE: 04/29/2022 _____ 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: _____
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- 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 5.37 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	PJ Patel Residence	Bedrooms:	4	Address Type:	Street Address
Building Type:	User	Conditioned Area:	3309	Lot #	
Owner Name:	Touchstone Heating & Air, Inc	Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	PJ Patel	Rotate Angle:	0	Street:	
Permit Office:	Columbia	Cross Ventilation:	No	County:	Columbia
Jurisdiction:	221000	Whole House Fan:	No	City, State, Zip:	Lake City , FL , 32025
Family Type:	Detached				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	Design Temp 97.5 % 2.5 %	Int Design Temp Winter 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	System #2	980	10776
2	System #1	2329	30048

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Bedroom #2	190	1900	No	1	1	1	Yes	Yes	Yes
2	Vanity	28	280	No	0		1	No	Yes	Yes
3	Bathrm #2	33	330	No	0		1	Yes	Yes	Yes
4	Powder	30	300	No	0		1	No	Yes	Yes
5	Bedroom #3	215	2150	No	1	1	1	Yes	Yes	Yes
6	WIC #2	56	560	No	0		1	Yes	Yes	Yes
7	Bathrm #3	54	540	No	0		1	Yes	Yes	Yes
8	Bedroom #4	290	3480	No	1	1	1	Yes	Yes	Yes
9	Pantry	71	710	No	0		1	No	Yes	Yes
10	Dining	168	2352	No	0		1	Yes	Yes	Yes
11	Kitchen	372	5208	Yes	0		1	Yes	Yes	Yes
12	Living Room	636	10176	No	0		1	Yes	Yes	Yes
13	Foyer	101	1212	No	0		1	Yes	Yes	Yes
14	Laundry	85	850	No	0		1	Yes	Yes	Yes
15	Office	176	2112	No	0		1	Yes	Yes	Yes
16	Mstr Bathrm	155	1550	No	0		1	Yes	Yes	Yes
17	Tlt	33	330	No	0		1	Yes	Yes	Yes
18	Gallery	129	1290	No	0		1	No	Yes	Yes
19	Mstr WIC	175	1750	No	0		1	Yes	Yes	Yes
20	Mstr Bedroom	312	3744	No	2	1	1	Yes	Yes	Yes

INPUT SUMMARY CHECKLIST REPORT

FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter	R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Bedroom #2	33.5 ft		0	189.8 ft²	---	1	0	0
_____	2	Slab-On-Grade Edge Insulatio	Vanity	1 ft		0	27.5 ft²	---	1	0	0
_____	3	Slab-On-Grade Edge Insulatio	Bathrm #2	5.5 ft		0	33 ft²	---	1	0	0
_____	4	Slab-On-Grade Edge Insulatio	Powder	1 ft		0	30.3 ft²	---	1	0	0
_____	5	Slab-On-Grade Edge Insulatio	Bedroom #3	15 ft		0	214.5 ft²	---	1	0	0
_____	6	Slab-On-Grade Edge Insulatio	WIC #2	7.5 ft		0	56.3 ft²	---	1	0	0
_____	7	Slab-On-Grade Edge Insulatio	Bathrm #3	5.5 ft		0	54.3 ft²	---	1	0	0
_____	8	Slab-On-Grade Edge Insulatio	Bedroom #4	46 ft		0	290.3 ft²	---	1	0	0
_____	9	Slab-On-Grade Edge Insulatio	Pantry	1 ft		0	71 ft²	---	1	0	0
_____	10	Slab-On-Grade Edge Insulatio	Dining	26.5 ft		0	168 ft²	---	1	0	0
_____	11	Slab-On-Grade Edge Insulatio	Kitchen	1 ft		0	371.5 ft²	---	1	0	0
_____	12	Slab-On-Grade Edge Insulatio	Living Room	23.5 ft		0	636.3 ft²	---	1	0	0
_____	13	Slab-On-Grade Edge Insulatio	Foyer	9.5 ft		0	101.3 ft²	---	1	0	0
_____	14	Slab-On-Grade Edge Insulatio	Laundry	15 ft		0	84.5 ft²	---	1	0	0
_____	15	Slab-On-Grade Edge Insulatio	Office	17 ft		0	176 ft²	---	1	0	0
_____	16	Slab-On-Grade Edge Insulatio	Mstr Bathrm	24 ft		0	155 ft²	---	1	0	0
_____	17	Slab-On-Grade Edge Insulatio	Tlt	5 ft		0	32.5 ft²	---	1	0	0
_____	18	Slab-On-Grade Edge Insulatio	Gallery	1 ft		0	129.3 ft²	---	1	0	0
_____	19	Slab-On-Grade Edge Insulatio	Mstr WIC	21 ft		0	175.3 ft²	---	1	0	0
_____	20	Slab-On-Grade Edge Insulatio	Mstr Bedroom	51.5 ft		0	311.8 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	Hip	Metal	3487 ft²	0 ft²	Medium	N	0.9	No	0.9	No	0	18.43

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	150	3308 ft²	N	N

INPUT SUMMARY CHECKLIST REPORT

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing	Frac	Truss Type
_____	1	Under Attic (Vented)	Bedroom #2	38	Blown	190 ft²	0.1		Wood
_____	2	Under Attic (Vented)	Vanity	38	Blown	28 ft²	0.1		Wood
_____	3	Under Attic (Vented)	Bathrm #2	38	Blown	33 ft²	0.1		Wood
_____	4	Under Attic (Vented)	Powder	38	Blown	30 ft²	0.1		Wood
_____	5	Under Attic (Vented)	Bedroom #3	38	Blown	215 ft²	0.1		Wood
_____	6	Under Attic (Vented)	WIC #2	38	Blown	56 ft²	0.1		Wood
_____	7	Under Attic (Vented)	Bathrm #3	38	Blown	54 ft²	0.1		Wood
_____	8	Under Attic (Vented)	Bedroom #4	38	Blown	290 ft²	0.1		Wood
_____	9	Under Attic (Vented)	Pantry	38	Blown	71 ft²	0.1		Wood
_____	10	Under Attic (Vented)	Dining	38	Blown	168 ft²	0.1		Wood
_____	11	Under Attic (Vented)	Kitchen	38	Blown	372 ft²	0.1		Wood
_____	12	Under Attic (Vented)	Living Room	38	Blown	636 ft²	0.1		Wood
_____	13	Under Attic (Vented)	Foyer	38	Blown	101 ft²	0.1		Wood
_____	14	Under Attic (Vented)	Laundry	38	Blown	85 ft²	0.1		Wood
_____	15	Under Attic (Vented)	Office	38	Blown	176 ft²	0.1		Wood
_____	16	Under Attic (Vented)	Mstr Bathrm	38	Blown	155 ft²	0.1		Wood
_____	17	Under Attic (Vented)	Tlt	38	Blown	33 ft²	0.1		Wood
_____	18	Under Attic (Vented)	Gallery	38	Blown	129 ft²	0.1		Wood
_____	19	Under Attic (Vented)	Mstr WIC	38	Blown	175 ft²	0.1		Wood
_____	20	Under Attic (Vented)	Mstr Bedroom	38	Blown	312 ft²	0.1		Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
_____	1	N	Exterior	Concrete Block - Int Insul	Bedroom #2	5	11	6	10	0	115.0 ft²	0	0	0.32	0
_____	2	N	Exterior	Concrete Block - Int Insul	Bathrm #2	5	5	6	10	0	55.0 ft²	0	0	0.32	0
_____	3	N	Exterior	Concrete Block - Int Insul	Bedroom #3	5	15	0	10	0	150.0 ft²	0	0	0.32	0
_____	4	N	Exterior	Concrete Block - Int Insul	WIC #2	5	7	6	10	0	75.0 ft²	0	0	0.32	0
_____	5	N	Exterior	Concrete Block - Int Insul	Bathrm #3	5	5	6	10	0	55.0 ft²	0	0	0.32	0
_____	6	N	Exterior	Concrete Block - Int Insul	Bedroom #4	5	21	6	12	0	258.0 ft²	0	0	0.32	0
_____	7	E	Exterior	Concrete Block - Int Insul	Bedroom #4	5	13	6	12	0	162.0 ft²	0	0	0.32	0
_____	8	S	Exterior	Concrete Block - Int Insul	Bedroom #4	5	11	0	12	0	132.0 ft²	0	0	0.32	0
_____	9	E	Exterior	Concrete Block - Int Insul	Dining	5	16	0	14	0	224.0 ft²	0	0	0.32	0
_____	10	S	Exterior	Concrete Block - Int Insul	Dining	5	10	6	14	0	147.0 ft²	0	0	0.32	0
_____	11	S	Exterior	Concrete Block - Int Insul	Kitchen	5	1	0	14	0	14.0 ft²	0	0	0.32	0
_____	12	E	Exterior	Concrete Block - Int Insul	Living Room	5	19	0	16	0	304.0 ft²	0	0	0.32	0
_____	13	W	Exterior	Concrete Block - Int Insul	Foyer	5	9	6	12	0	114.0 ft²	0	0	0.32	0
_____	14	S	Exterior	Concrete Block - Int Insul	Laundry	5	5	0	10	0	50.0 ft²	0	0	0.32	0
_____	15	W	Exterior	Concrete Block - Int Insul	Laundry	5	4	6	10	0	45.0 ft²	0	0	0.32	0
_____	16	N	Exterior	Concrete Block - Int Insul	Office	5	3	6	12	0	42.0 ft²	0	0	0.32	0
_____	17	W	Exterior	Concrete Block - Int Insul	Office	5	13	6	12	0	162.0 ft²	0	0	0.32	0
_____	18	N	Exterior	Concrete Block - Int Insul	Mstr Bathrm	5	1	6	10	0	15.0 ft²	0	0	0.32	0
_____	19	S	Exterior	Concrete Block - Int Insul	Mstr Bathrm	5	10	0	10	0	100.0 ft²	0	0	0.32	0
_____	20	W	Exterior	Concrete Block - Int Insul	Mstr Bathrm	5	12	6	10	0	125.0 ft²	0	0	0.32	0

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
21	S	Exterior	Concrete Block - Int Insul	Tlt	5	5	0	10	0	50.0 ft²	0	0	0.32	0
22	S	Exterior	Concrete Block - Int Insul	Mstr WIC	5	21	0	10	0	210.0 ft²	0	0	0.32	0
23	N	Exterior	Concrete Block - Int Insul	Mstr Bedroo	5	15	6	12	0	186.0 ft²	0	0	0.32	0
24	E	Exterior	Concrete Block - Int Insul	Mstr Bedroo	5	14	6	12	0	174.0 ft²	0	0	0.32	0
25	S	Exterior	Concrete Block - Int Insul	Mstr Bedroo	5	21	6	12	0	258.0 ft²	0	0	0.32	0
26	N	Garage	Frame - Wood	Bedroom #2	13	8	4	10		83.3 ft²		0.23	0.23	0
27	N	Garage	Frame - Wood	Laundry	13	4		10		40.0 ft²		0.23	0.23	0
28	N	Garage	Frame - Wood	Living Room	13	23	4	10		233.3 ft²		0.23	0.23	0

DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	N	Insulated	Living Room	Metal	.46	2	8	6	8	17.8 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Ornt	Wall ID	Frame	Panels	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	N	1	Vinyl	Low-E Double	Yes	0.47	0.31	N	24.0 ft²	1 ft 8 in	2 ft 0 in	Drapes/blinds	Exterior 5
2	N	3	Vinyl	Low-E Double	Yes	0.47	0.31	N	24.0 ft²	1 ft 8 in	2 ft 0 in	Drapes/blinds	Exterior 5
3	N	6	Vinyl	Low-E Double	Yes	0.47	0.31	N	36.0 ft²	1 ft 8 in	4 ft 0 in	Drapes/blinds	Exterior 5
4	E	7	Vinyl	Low-E Double	Yes	0.47	0.31	N	24.0 ft²	1 ft 8 in	4 ft 0 in	Drapes/blinds	Exterior 5
5	E	9	Vinyl	Low-E Double	Yes	0.47	0.31	N	36.0 ft²	10 ft 7 in	4 ft 0 in	Drapes/blinds	Exterior 5
6	S	10	Vinyl	Low-E Double	Yes	0.49	0.32	N	20.0 ft²	17 ft 10 in	4 ft 0 in	None	None
7	S	10	Vinyl	Low-E Double	Yes	0.47	0.31	N	24.0 ft²	17 ft 10 in	4 ft 0 in	Drapes/blinds	Exterior 5
8	E	12	Vinyl	Low-E Double	Yes	0.47	0.31	N	80.0 ft²	21 ft 9 in	3 ft 0 in	None	None
9	E	12	Vinyl	Low-E Double	Yes	0.45	0.36	N	12.0 ft²	21 ft 9 in	1 ft 0 in	None	None
10	W	13	Vinyl	Low-E Double	Yes	0.49	0.32	N	40.0 ft²	7 ft 0 in	4 ft 0 in	None	None
11	W	13	Vinyl	Low-E Double	Yes	0.45	0.36	N	18.0 ft²	7 ft 0 in	1 ft 0 in	None	None
12	W	15	Vinyl	Low-E Double	Yes	0.47	0.31	N	6.0 ft²	1 ft 8 in	7 ft 0 in	Drapes/blinds	Exterior 5
13	W	17	Vinyl	Low-E Double	Yes	0.47	0.31	N	24.0 ft²	1 ft 8 in	7 ft 0 in	Drapes/blinds	Exterior 5
14	S	19	Vinyl	Low-E Double	Yes	0.47	0.31	N	6.0 ft²	1 ft 8 in	4 ft 0 in	Drapes/blinds	Exterior 5
15	W	20	Vinyl	Low-E Double	Yes	0.47	0.31	N	24.0 ft²	1 ft 8 in	4 ft 0 in	Drapes/blinds	Exterior 5
16	S	21	Vinyl	Low-E Double	Yes	0.47	0.31	N	6.0 ft²	1 ft 8 in	4 ft 0 in	Drapes/blinds	Exterior 5
17	S	22	Vinyl	Low-E Double	Yes	0.47	0.31	N	18.0 ft²	1 ft 8 in	4 ft 0 in	Drapes/blinds	Exterior 5
18	E	24	Vinyl	Low-E Double	Yes	0.47	0.31	N	60.0 ft²	6 ft 4 in	3 ft 0 in	None	None
19	E	24	Vinyl	Low-E Double	Yes	0.45	0.36	N	9.0 ft²	6 ft 4 in	1 ft 0 in	None	None
20	S	25	Vinyl	Low-E Double	Yes	0.47	0.31	N	36.0 ft²	1 ft 8 in	4 ft 0 in	Drapes/blinds	Exterior 5

INPUT SUMMARY CHECKLIST REPORT

GARAGE															
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation									
	1	649 ft²	649 ft²	74.83 ft	10 ft	5									
INFILTRATION															
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50							
1	Wholehouse	Proposed ACH(50)	.000421	3653.7	200.46	376.33	.1251	5.37							
HEATING SYSTEM															
✓	#	System Type	Subtype	Speed	Efficiency	Capacity	Block		Ducts						
	1	Electric Heat Pump/	Split	Singl	HSPF:9.6	56.5 kBtu/hr	2		sys#1						
	2	Electric Heat Pump/	Split	Singl	HSPF:9	22.2 kBtu/hr	1		sys#2						
COOLING SYSTEM															
✓	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts					
	1	Central Unit/	Split	Singl	SEER: 16.5	56.5 kBtu/hr	2000 cfm	0.7	2	sys#1					
	2	Central Unit/	Split	Singl	SEER: 17	22.2 kBtu/hr	800 cfm	0.7	1	sys#2					
HOT WATER SYSTEM															
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation						
	1	Electric	Tankless	Laundry	0.99	1 gal	55.1 gal	120 deg	None						
	2	Electric	Tankless	Mstr WIC	0.99	1 gal	55.1 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 ---			--- Return ---		Leakage Type		Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC #	
	1	Attic	6	147 ft²	Attic	51 ft²	Default	Leakage	Garage	(Default)	(Default)			1	1
	2	Attic	6	89 ft²	Attic	21 ft²	Default	Leakage	Mstr WIC	(Default)	(Default)			2	2

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES

Programable Thermostat: Y		Ceiling Fans:											
Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		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 ft ²	0 ft	0.3	Bedroom #2
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Vanity
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Bathrm #2
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Powder
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Bedroom #3
Default(8 lbs/sq.ft.	ft ²	ft	0.3	WIC #2
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Bathrm #3
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Bedroom #4
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Pantry
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Dining
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Kitchen
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Living Room
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Foyer
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Laundry
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Office
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Mstr Bathrm
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Tlt
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Gallery
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Mstr WIC
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Mstr Bedroom

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 80

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

, Lake City, FL, 32025

1. New construction or existing	New (From Plans)		10. Wall Type and Insulation	Insulation	Area
2. Single family or multiple family	Detached		a. Concrete Block - Int Insul, Exterior	R=5.0	3222.00 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	356.67 ft ²
4. Number of Bedrooms	4		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	3309		11. Ceiling Type and insulation level	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=38.0	3309.00 ft ²
a. U-Factor:	Dbl, U=0.47	428.00 ft ²	b. N/A	R=	ft ²
SHGC:	SHGC=0.31		c. N/A	R=	ft ²
b. U-Factor:	Dbl, U=0.49	60.00 ft ²	12. Ducts, location & insulation level	R	ft ²
SHGC:	SHGC=0.32		a. Sup: Attic, Ret: Attic, AH: Garage	6	147
c. U-Factor:	Dbl, U=0.45	39.00 ft ²	b. Sup: Attic, Ret: Attic, AH: Mstr WIC	6	89
SHGC:	SHGC=0.36		13. Cooling systems	kBtu/hr	Efficiency
d. U-Factor:	N/A	ft ²	a. Central Unit	56.5	SEER:16.50
SHGC:			b. Central Unit	22.2	SEER:17.00
Area Weighted Average Overhang Depth:	8.330 ft.		14. Heating systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.315		a. Electric Heat Pump	56.5	HSPF:9.60
8. Skylights	Description	Area	b. Electric Heat Pump	22.2	HSPF:9.00
a. U-Factor(AVG):	N/A	ft ²	15. Hot water systems		Cap: 1 gallons
SHGC(AVG):	N/A		a. Electric		EF: 0.99
9. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	3308.50 ft ²	None		
b. N/A	R=	ft ²	Credits (Performance method)		CF, Pstat
c. N/A	R=	ft ²			

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

System #1

New Age Dimensions, LLC.

Job: Patel Residence
Date: April 28, 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	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	68	75	Construction quality	Average
Design TD (°F)	35	17	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	29	47		

HEATING EQUIPMENT

Make York
Trade YORK
Model YZT60B21
AHRI ref 202180222

Efficiency 9.6 HSPF
Heating input
Heating output 57500 Btuh @ 47°F
Temperature rise 26 °F
Actual air flow 2000 cfm
Air flow factor 0.050 cfm/Btuh
Static pressure 0.51 in H2O
Space thermostat
Capacity balance point = 28 °F

COOLING EQUIPMENT

Make York
Trade YORK
Cond YZT60B21
Coil AVC60DX21++TXV
AHRI ref 202180222

Efficiency 12.5 EER, 16.5 SEER
Sensible cooling 39550 Btuh
Latent cooling 16950 Btuh
Total cooling 56500 Btuh
Actual air flow 2000 cfm
Air flow factor 0.052 cfm/Btuh
Static pressure 0.51 in H2O
Load sensible heat ratio 0.77

Backup:

Input = 15 kW, Output = 51182 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Bedroom #2	190	4730	2922	237	153
Vanity	28	36	60	2	3
Bathrm #2	33	889	323	45	17
Powder	30	39	66	2	3
Bedroom #3	215	3001	2675	150	140
WIC #2	56	1227	465	61	24
Bathrm #3	54	917	369	46	19
Bedroom #4	290	9363	6009	469	315
Pantry	71	92	156	5	8
Dining	168	6703	5447	336	286
Kitchen	372	675	3158	34	166
Living Room	636	7196	8964	361	470
Foyer	101	2800	4883	140	256
Laundry	85	2250	2616	113	137

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



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2022-Apr-29 11:04:55

Page 1

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System #1	2328	39917	38115	2000	2000
Other equip loads		6810	5053		
Equip. @ 0.97 RSM			41872		
Latent cooling			12844		
TOTALS	2328	46728	54716	2000	2000

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



Load Short Form
System #2
New Age Dimensions, LLC.

Job: Patel Residence
Date: April 28, 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	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	68	75	Construction quality	Average
Design TD (°F)	35	17	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	29	47		

HEATING EQUIPMENT

Make York
Trade YORK
Model YZT24B21
AHRI ref 202180731

Efficiency 9 HSPF
Heating input
Heating output 23200 Btuh @ 47°F
Temperature rise 27 °F
Actual air flow 800 cfm
Air flow factor 0.041 cfm/Btuh
Static pressure 0.51 in H2O
Space thermostat
Capacity balance point = 30 °F

COOLING EQUIPMENT

Make York
Trade YORK
Cond YZT24B21
Coil AVC24BX21++TXV
AHRI ref 202180731

Efficiency 13.5 EER, 17 SEER
Sensible cooling 15540 Btuh
Latent cooling 6660 Btuh
Total cooling 22200 Btuh
Actual air flow 800 cfm
Air flow factor 0.052 cfm/Btuh
Static pressure 0.51 in H2O
Load sensible heat ratio 0.86

Backup:

Input = 5 kW, Output = 17061 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Office	176	2952	3373	120	174
Mstr Bathrm	155	3637	2601	147	134
Tlt	33	754	322	31	17
Gallery	129	139	224	6	12
Mstr WIC	175	3108	1381	126	71
Mstr Bedroom	312	9162	7618	371	393

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



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2022-Apr-29 11:04:55

Page 3

System #2	980	19752	15517	800	800
Other equip loads		0	1707		
Equip. @ 0.97 RSM			16707		
Latent cooling			2757		
TOTALS	980	19752	19465	800	800

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

Page 1
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22.0.02 RSU02050
2022-Apr-29 11:05:20
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Manual S Compliance Report

System #1

New Age Dimensions, LLC.

Job: Patel Residence
Date: April 28, 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:	43167 Btuh	Entering coil DB:	79.7°F
Outdoor design WB:	76.3°F	Latent gain:	12844 Btuh	Entering coil WB:	65.3°F
Indoor design DB:	75.0°F	Total gain:	56011 Btuh		
Indoor RH:	50%	Estimated airflow:	2000 cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP		
Manufacturer:	York	Model:	YZT60B21+AVC60DX21++TXV
Actual airflow:	2000 cfm		
Sensible capacity:	39550 Btuh	92% of load	
Latent capacity:	16950 Btuh	132% of load	
Total capacity:	56500 Btuh	101% of load	SHR: 70%

Heating Equipment

Design Conditions

Outdoor design DB:	33.4°F	Heat loss:	46728 Btuh	Entering coil DB:	63.8°F
Indoor design DB:	68.0°F				

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP		
Manufacturer:	York	Model:	YZT60B21+AVC60DX21++TXV
Actual airflow:	2000 cfm		
Output capacity:	57500 Btuh	123% of load	
Supplemental heat required:	0 Btuh		
		Capacity balance:	28 °F
		Economic balance:	-99 °F

Backup equipment type:	Elec strip		
Manufacturer:		Model:	
Actual airflow:	2000 cfm		
Output capacity:	15.0 kW	110% of load	Temp. rise: 23 °F

Meets all requirements of ACCA Manual S.



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2022-Apr-29 11:04:55

Page 1



Manual S Compliance Report

System #2

New Age Dimensions, LLC.

Job: Patel Residence
Date: April 28, 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:	17224 Btuh	Entering coil DB:	78.6°F
Outdoor design WB:	76.3°F	Latent gain:	2757 Btuh	Entering coil WB:	64.0°F
Indoor design DB:	75.0°F	Total gain:	19981 Btuh		
Indoor RH:	50%	Estimated airflow:	800 cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP				
Manufacturer:	York	Model:	YZT24B21+AVC24BX21++TXV		
Actual airflow:	800 cfm				
Sensible capacity:	15540 Btuh	90% of load			
Latent capacity:	6660 Btuh	242% of load			
Total capacity:	22200 Btuh	111% of load	SHR:	70%	

Heating Equipment

Design Conditions

Outdoor design DB:	33.4°F	Heat loss:	19752 Btuh	Entering coil DB:	67.3°F
Indoor design DB:	68.0°F				

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP				
Manufacturer:	York	Model:	YZT24B21+AVC24BX21++TXV		
Actual airflow:	800 cfm				
Output capacity:	23200 Btuh	117% of load		Capacity balance:	30 °F
Supplemental heat required:	0 Btuh			Economic balance:	-99 °F

Backup equipment type:	Elec strip				
Manufacturer:		Model:			
Actual airflow:	800 cfm				
Output capacity:	5.0 kW	86% of load	Temp. rise:	20 °F	

Meets all requirements of ACCA Manual S.



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2022-Apr-29 11:04:55

Page 2



Duct System Summary

System #1

New Age Dimensions, LLC.

Job: Patel Residence
Date: April 28, 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	0.201 / 0.129 in H2O	0.201 / 0.129 in H2O
Lowest friction rate	0.880 in/100ft	0.880 in/100ft
Actual air flow	2000 cfm	2000 cfm
Total effective length (TEL)	410 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 889	45	17	0.880	4.0	0x0	VIFx	21.2	155.0	st3
Bathrm #3	h 917	46	19	0.880	4.0	0x0	VIFx	59.5	175.0	st7
Bedroom #2	h 4730	237	153	0.880	8.0	0x0	VIFx	17.0	155.0	st3
Bedroom #3	h 3001	150	140	0.880	7.0	0x0	VIFx	25.5	155.0	st3
Bedroom #4	h 4681	235	158	0.880	8.0	0x0	VIFx	64.6	175.0	st7
Bedroom #4-A	h 4681	235	158	0.880	8.0	0x0	VIFx	74.5	175.0	st7
Dining	h 3352	168	143	0.880	7.0	0x0	VIFx	63.4	175.0	st9
Dining-A	h 3352	168	143	0.880	7.0	0x0	VIFx	60.6	175.0	st9
Foyer	c 4883	140	256	0.880	9.0	0x0	VIFx	56.9	175.0	st9
Kitchen	c 3158	34	166	0.880	7.0	0x0	VIFx	68.0	175.0	st7
Laundry	c 2616	113	137	0.880	6.0	0x0	VIFx	22.1	155.0	st3
Living Room	c 2241	90	118	0.880	6.0	0x0	VIFx	48.8	175.0	st9
Living Room-A	c 2241	90	118	0.880	6.0	0x0	VIFx	56.4	175.0	st9
Living Room-B	c 2241	90	118	0.880	6.0	0x0	VIFx	48.4	175.0	st9
Living Room-C	c 2241	90	118	0.880	6.0	0x0	VIFx	56.2	175.0	st9
Pantry	c 156	5	8	0.880	4.0	0x0	VIFx	56.5	175.0	st7
Powder	c 66	2	3	0.880	4.0	0x0	VIFx	16.0	155.0	st3
Vanity	c 60	2	3	0.880	4.0	0x0	VIFx	19.8	155.0	st3
WIC #2	h 1227	61	24	0.880	4.0	0x0	VIFx	58.1	175.0	st7



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2022-Apr-29 11:04:55

Page 1

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	615	533	0.880	575	14.0	0 x 0	VinIFlx	st1 st6
st6	Peak AVF	615	533	0.880	575	14.0	0 x 0	VinIFlx	
st7	Peak AVF	615	533	0.880	575	14.0	0 x 0	VinIFlx	
st2	Peak AVF	837	1012	0.880	573	18.0	0 x 0	VinIFlx	st2 st8
st8	Peak AVF	837	1012	0.880	573	18.0	0 x 0	VinIFlx	
st9	Peak AVF	837	1012	0.880	573	18.0	0 x 0	VinIFlx	
st3	Peak AVF	548	455	0.880	698	12.0	0 x 0	VinIFlx	

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
rb4	20x 25	1097	888	160.0	0.880	621	18.0	0x 0		VIFx	rst11
rb2	20x 26	903	1112	91.8	0.880	629	18.0	0x 0		VIFx	rst12

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rst9	Peak AVF	1097	888	0.880	621	18.0	0 x 0	VinIFlx	rst9 rst10
rst10	Peak AVF	1097	888	0.880	621	18.0	0 x 0	VinIFlx	
rst11	Peak AVF	1097	888	0.880	621	18.0	0 x 0	VinIFlx	
rst12	Peak AVF	903	1112	0.880	629	18.0	0 x 0	VinIFlx	





Duct System Summary

System #2

New Age Dimensions, LLC.

Job: Patel Residence
Date: April 28, 2022
By: Dakota Cross
Plan: Manual J & D

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0886 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	0.237 / 0.093 in H2O	0.237 / 0.093 in H2O
Lowest friction rate	0.880 in/100ft	0.880 in/100ft
Actual air flow	800 cfm	800 cfm
Total effective length (TEL)	258 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
Gallery	c 224	6	12	0.880	4.0	0x0	VIFx	4.3	95.0	
Mstr Bathrm	h 3637	147	134	0.880	7.0	0x0	VIFx	18.9	155.0	st4
Mstr Bedroom	c 3809	186	196	0.880	8.0	0x0	VIFx	19.7	155.0	st5
Mstr Bedroom-A	c 3809	186	196	0.880	8.0	0x0	VIFx	30.4	155.0	st5
Mstr WIC	h 3108	126	71	0.880	6.0	0x0	VIFx	20.2	155.0	st5
Office	c 3373	120	174	0.880	7.0	0x0	VIFx	21.1	155.0	st4
Tlt	h 754	31	17	0.880	4.0	0x0	VIFx	19.8	155.0	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
st4	Peak AVF	297	325	0.880	595	10.0	0 x 0	VinIFlx	
st5	Peak AVF	497	464	0.880	633	12.0	0 x 0	VinIFlx	

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
rb3	10x 8	120	174	70.7	0.880	651	7.0	0x 0		VIFx	
rb1	18x 18	680	626	72.5	0.880	637	14.0	0x 0		VIFx	

THE ARROW HEAD AT THE
END OF THE TRUSS ON
THE TRUSS PLACEMENT
DRAWING CORRESPONDS WITH THE
LEFT SIDE OF THE
STRUCTURE. WHEN SETTING THE
TRUSS, USE THIS AS AN
ORIENTATION GUIDE.

General Notes:

- Per AISI/PSI 1992, all "True to Wall" connections are the responsibility of the Building Designer, not the Truss Manufacturer.
- Use Manufacturer's specifications for all hanger.
- Trusses are to be 24" o.c. U.N.O.
- All hangers are to be Simpson or equivalent U.S.A.O.
- 1" and 1 1/2" Nails in hanger connections to steel joist.
- Trusses are not designed to support brick U.N.O.
- Dimensions are Feet-Inches-Sixteenths.

Notes:

- No back charges will be accepted by Builders FirstSource unless approved in writing first.
- 850/837-1511
- ACQ lumber is corrosive to truss plates. Any ACQ lumber that comes in contact with truss plates (i.e. scaled on ends) must have an approved barrier applied first.
- Refer to BSI-B1 Summary Sheet Guide for handling, installing and bracing of Metal Plate Connected Wood Truss prior to and during truss installation.

It is the responsibility of the Contractor to ensure that all construction documents and field conditions of the project are followed. If a revised or flipped layout is requested, it will be supplied at an extra cost by Builders FirstSource.

It is the responsibility of the Contractor to make sure all lights, etc., so the trusses do not interfere with these type of items.

All common framed roof or floor systems must be designed as to NOT impose any loads on the floor truss below. The floor trusses have not been designed to carry any additional loads from above.

This truss placement plan was not created by an engineer. It is a design tool to be used by the contractor to verify the layout and to ensure that the truss placement is correct. Complete truss engineering and analysis can be found on the truss design drawings which may be modified by the truss design engineer.

Cable and trusses require continuous bottom chord bracing and are not to be used for wall framing.

Although all attempts have been made to do so, truss may not be designed symmetrically. Please refer to the individual truss drawings and truss placement plans for proper orientation and placement.



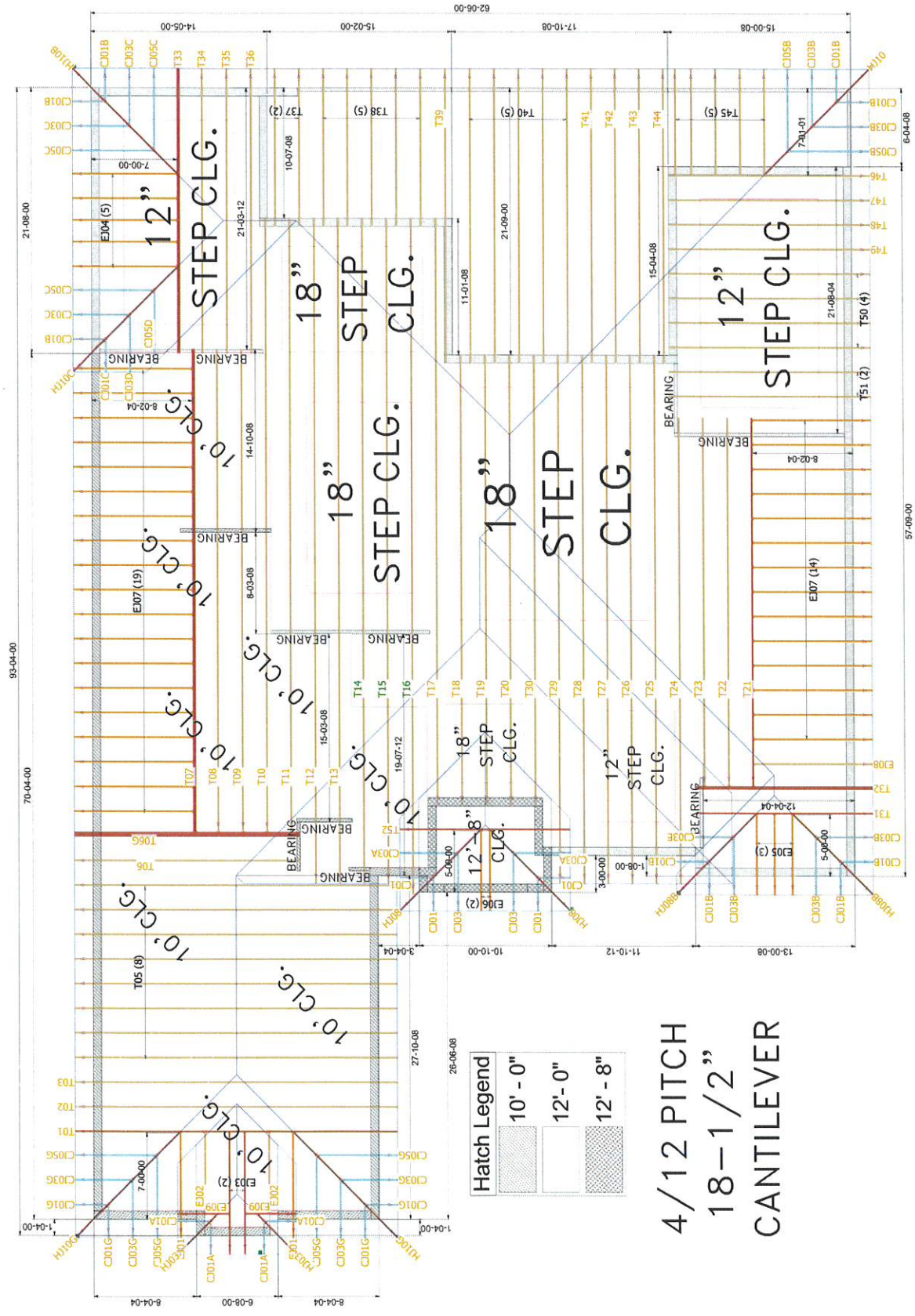
Lake City
PHONE: 386-755-6894
FAX: 386-755-7973

Jacksonville
PHONE: 904-772-6100
FAX: 904-772-1973

Tallahassee
PHONE: 850-576-5177

Builder: REED MCDANIEL
Agent Address: PJ PATEL RES.

Model: Custom	
Drawn By: 7-6-22 KLH	Project Ref #: 317918
Sheet 1 of 1: N/A	Sheet 2 of 1: N/A
Sheet 3 of 1: N/A	Sheet 4 of 1: 317918



Hatch Legend

	10' - 0"
	12' - 0"
	12' - 8"

4/12 PITCH
18-1 1/2"
CANTILEVER