



Load Short Form
Entire House
SHATTO HEATING & AIR, INC.

Job: **TOWNSEND RESIDENCE**
Date: **Jul 23, 2021**
By: **KIM SHATTO**

595 WEST MAIN STREET, LAKE BUTLER, FL 32054 Phone: 386-496-8224 Fax: 386-496-9065 Email: SERVICE@SHATTOAIR.COM Web: WWW.SHATTOAIR.COM License: CAC05...

Project Information

For: **AMERICA'S HOME PLACE**
9200 NW 39TH AVE, SUITE 190, GAINESVILLE, FL 32606
Phone: 352-244-8247
Email: ALOCAY@AMERICASHOMEPLACE.COM

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	37	17	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	33	45		

HEATING EQUIPMENT

Make **THE TRANE COMPANY**
Trade **THE TRANE COMPANY**
Model **4TWR6018/4TWR6030**
AHRI ref

Efficiency **8.5 HSPF**
Heating input **40888 Btuh @ 47°F**
Heating output **25 °F**
Temperature rise **1470 cfm**
Actual air flow **0.060 cfm/Btuh**
Air flow factor **0 in H2O**
Static pressure
Space thermostat
Capacity balance point = 14 °F

COOLING EQUIPMENT

Make **THE TRANE COMPANY**
Trade **THE TRANE COMPANY**
Cond **4TWR6018/4TWR6030**
Coil **TEM6A0C18/TEM6A0C30**
AHRI ref
Efficiency **12.8 EER, 16 SEER**
Sensible cooling **28765 Btuh**
Latent cooling **12328 Btuh**
Total cooling **41093 Btuh**
Actual air flow **1470 cfm**
Air flow factor **0.038 cfm/Btuh**
Static pressure **0 in H2O**
Load sensible heat ratio **0.80**

Backup:

Input = 7 kW, Output = 24075 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
MASTER BEDROOM	182	2598	3093	156	119
WIC	28	25	644	1	25
MASTER BATH	102	1052	2380	63	91
LIVING ROOM	285	5357	8917	321	342
STAIRS	39	220	46	13	2
UTILITY	40	592	1670	35	64
BEDROOM 2	210	2644	3082	158	118
WIC 2	40	606	859	36	33
BATH 2	80	160	755	10	29
KITCHEN/DINING	240	3611	8292	216	318
HALL	68	94	686	6	26
LOFT AREA	223	2731	2989	164	115
BATH	36	323	789	19	30
BEDROOM 3	90	1966	1297	118	50

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



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Jobs: AHP Notley Modern Farmhouse Townsend.rup Calc = MJB Front Door faces: N

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Construction Survey

Please Circle, Highlight or fill in

Billing Info: Company Name: Americas Home Place Address: 9200 NW 39 Ave Gainesville Florida

E-mail: alocay@americashomeplace.com

Phone: 352-244-8442 Job Name: See Plans

Job Address: See Plans

Building Faces N/S/W/E/NE/NW/SE/SW:

Inspection Authority? City / County? Columbia County

1. 1st Floor Exterior Wall? Frame R-Value? R-13 2nd Floor Exterior Wall? Frame R-Value? R-13

2. Roof Material? Shingle

3. Attic insulation? Batt / Blow / foam R-value? R-30 Attic knee wall? Batt R-19

Note: spray foam will require fresh air & we highly recommend humidity controlling system.

4. Window material? Vinyl U-Factor .27 SHGC .33

5. Exterior door type? Sliders Vinyl French/Solid doors Fiberglass U-factor .27 SHGC .30

6. Water Heater? Electric Tank / Gallons 50 gallon .95 Gas Tank less / Electric Tank less

Water Heater Efficiency rating? (Example: standard 50 gallon electric water heater efficiency ".95")

7. Will AHP supply concrete pads? Yes / No or use precast Concrete A/C pads? Yes / No

8. Will AHP supply Air Handler frame platform if necessary? Yes / No

9. Will you need a fresh air system? Yes / No Type? Ducted Honeywell Y8150 damper / run time fan?

10. Desired EQ Manufacture? Carrier / Trane / Lennox / Goodman

11. Desired EQ Efficiency? Minimum seer rating? 16

12. Humidity controlling unit? Yes / No Low (variable Speed Air Handler) or High (Variable Speed Condenser)

13. Bath fans? Basic Standard noise / Energy star Mid-level noise / Ultra Quiet series? - Sones to meet?

THIS WORK IS THE INTELLECTUAL PROPERTY OF AMERICAN HOME PLACE AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION.



- MAX 6' 11" CEILING HEIGHT ON FIRST FLOOR
- NO WALL OPENINGS ON FIRST FLOOR (NO SECOND FLOOR TO 2ND FLOOR HEADERS, WALLS ONLY, STANDING FIRST FLOOR WINDOW HEADERS SHALL BE FRAMED DOWN 2" FROM 10.0' U/L.O.)
- NO WINDOW SILL UNITS
- ABOVE HATCHING SHALL BE FRAMED DOWN 1" FROM 10.0' U/L.O.
- STANDARD SECOND FLOOR WINDOW FROM 10.0' U/L.O. BE FRAMED DOWN 1'-2" 7/16" O.S.B. AND HOUSEWRAP REQUIRED
- STRUCTURE 7" FROM DIMENSIONS FOR LOCATIONS OF OPENINGS ARE TO BE MAINTAINED
- ALL INTERIOR DOORS ARE GIVEN CENTERED ADJOINING WALL PANELS UNLESS OTHERWISE DIMENSIONED
- NUMBER OF STAIR TURNS & STAIRS MAY VARY AS A RESULT OF LOCAL BUILDING CODES
- ALL SHEETING TO BE 1/2" DEEP U/L.O.
- HEADSTAY FLOOR: STABLE
- ALL PLUMBING REQUIRED SHOWN ARE A REPRESENTATION OF SIZE AND LOCATION ONLY. ACTUAL STYLE AND BRAND OF ALL TUBS MAY VARY PER OFFICE LOCATION AT PLUMBING
- INSTALL 3/4" WIDE PLANK FLOOR AT/TO ACCESS TO FINISHED PLUMBING
- ALL DOOR HANDLES & LOCKS HANDLES NOT INCLUDED W/IT. A LOCK HANDLES NOT INCLUDED ARE A FORCED OPEN WHEN POUGH IS OPEN 30" HIGH FROM FINISHED GROUND

SHEET NUMBER F-3	PROPERTY OF:  COPYRIGHT - 2001	ISSUED BY: J. GENDRUP	DATE 59-21-039	TITLE NOTTELY MODERN FARMHOUSE	AREAS: FIRST FLOOR HEATED 1,317 SF SECOND FLOOR HEATED 515 SF FRONT PORCH 1,632 SF REAR PORCH 182 SF TOTAL UNDER ROOF 2,012 SF	Revision Schedule		
		CHECKED BY: 9 T004MS	2x4 EXTERIOR WALLS	FOR SUZANNE TOWNSEND		Revision Number	Revision Description	Revision Date
SECOND FLOOR PLAN		PRINT DATE: P 116 2301 C 99 41 046	FOUNDATION TYPE: MONOSLAB	SW DON COOK WAY FORT WHITE, FL		1	FINAL	7/19/01
				OFFICE GAINESVILLE, FL	SOLD BY: RD			

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1 FIRST FLOOR PLAN
1/8" = 1'-0"

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OPT. PAPER SIZE: for 1/4" - 1'-0" on 24"x36" PAPER SIZE ENLARGE PRINTS TO 200%.
FINAL CONSTRUCTION: 1/4" - 1'-0"

FINAL CONSTRUCTION PLANS

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WITHOUT PERMISSION**

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GENERAL NOTES

- * MIN 5'1" DECLING HEIGHT ON FIRST FLOOR
- * ALL WALL OPENINGS ON FIRST FLOOR ONLY TO HAVE MINIMUM (2) 2X10 BEARING WALLS ON EACH SIDE AND A MINIMUM 12" WINDOW HEADERS SHALL BE FRAMED DOWN 2-2" FROM T.O.P., U.N.O.
- * WINDOW HEADERS FOR WINDOWS LOCATED ABOVE FIRST FLOOR SHALL BE FRAMED DOWN 1-3" FROM T.O.P., U.N.O.
- * STANDARD SECOND FLOOR WINDOW HEADERS SHALL BE FRAMED DOWN 1-2" FROM T.O.P., U.N.O.
- * 7"10" O.C.B. AND NOUSEWAP REQUIRED DIMENSIONS ARE TO SHEATHING EXTERIOR: SUBTRACT 1/2" FROM AND DOOR FRAMING LOCATION 1/2" FROM DOOR FRAMING SHEATHING INSTALLATION
- * ALL INTERIOR DOORS ARE EITHER CENTERED OR 1/2" OFF OR 1/2" STARTED JIN OFF FROM DIMENSIONED UNLESS OTHERWISE SPECIFIED
- * NUMBER OF STAIR TREADS & RISERS MAY VARY AS A RESULT OF LOCAL BUILDING DEPARTMENT SIZES AND FINAL GRADE
- * ALL SHELVING TO BE 1" DEEP UNO
- * HEIGHT OFF FLOOR:
 - DOUBLE-6"
 - SINGLE-6"
- * ALL INTERIORS SHOWN ARE A REPRESENTATION OF SIZE AND LOCATION ONLY. ACTUAL STYLE AND BRAND OF FIXTURES MAY VARY PER OFFICE LOCATION
- * DIMENSIONS MAY VARY AS TO HAVE MILLERS AT FLANGE
- * INSTALL 2-4" WIDE WALKWAY FROM ATTIC ACCESS TO BURNAGE PLATFORM
- * PORCH, STOOD & DECK HANDRAILS NOT REQUIRED
- * RAILINGS ARE A FORCE OPTION WHEN PORCH IS OVER 30" HIGH FROM FINISHED GRADE



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ROOM	170	2568	2850	154	109
Entire House	1833	24548	38350	1470	1470
Other equip loads		0	0		
Equip. @ 0.97 RSM			37200		
Latent cooling			9363		
TOTALS	1833	24548	46562	1470	1470

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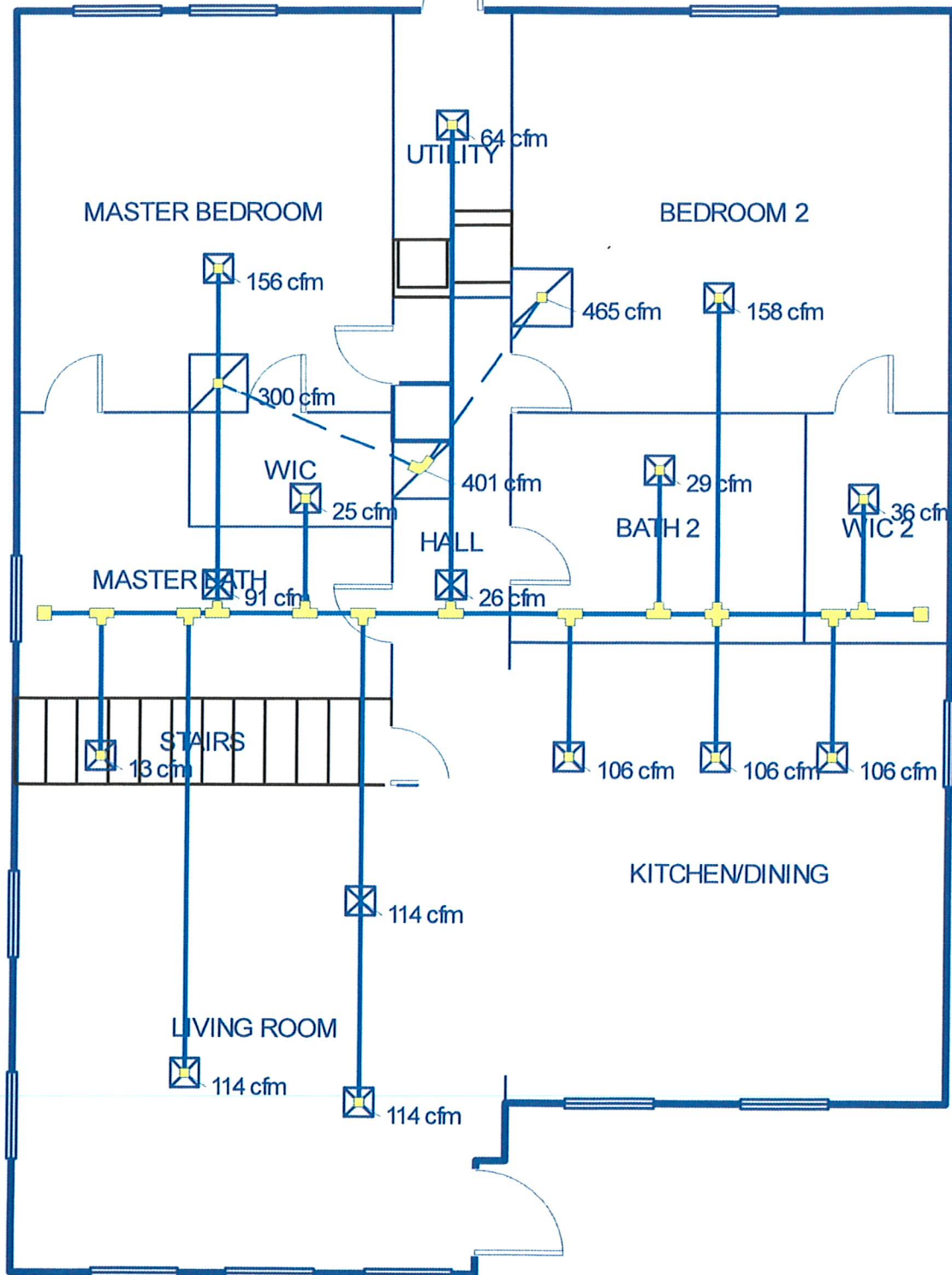
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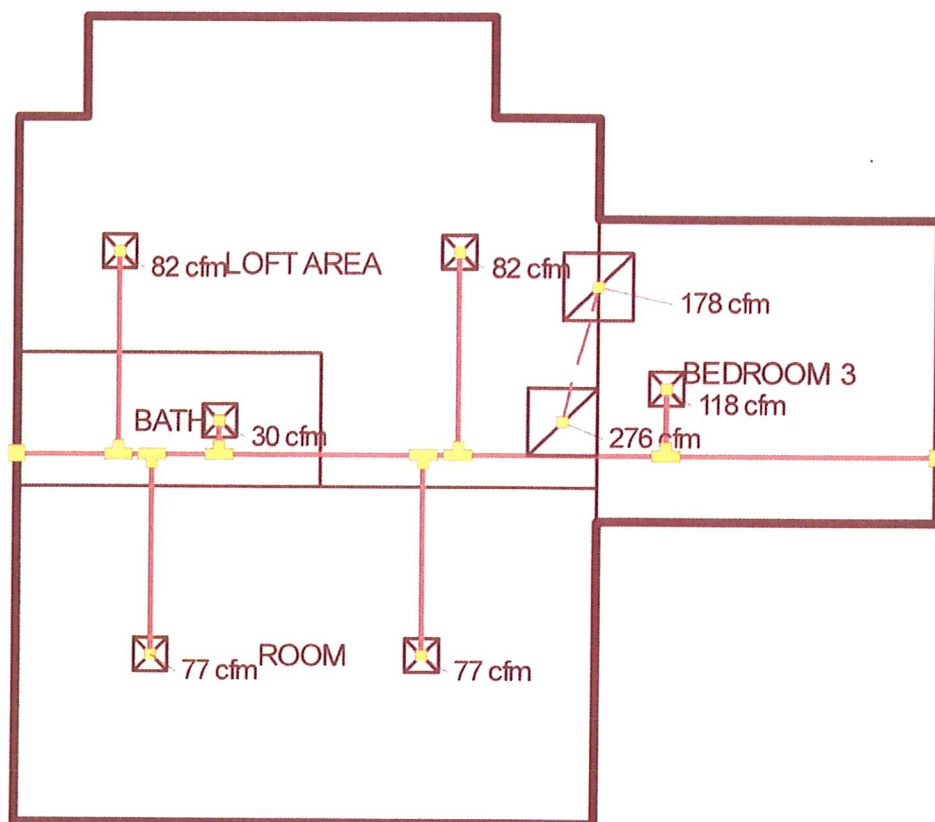
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9200 NW 39TH AVE, SUITE 190
GAINESVILLE, FL 32608
Phone: 352-244-6247
ALOCAY@AMERICASHOMEPLACE.COM

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595 WEST MAIN STREET
LAKE BUTLER, FL 32054
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