



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 = MJ8 Front Door faces: N

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Page 1

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?

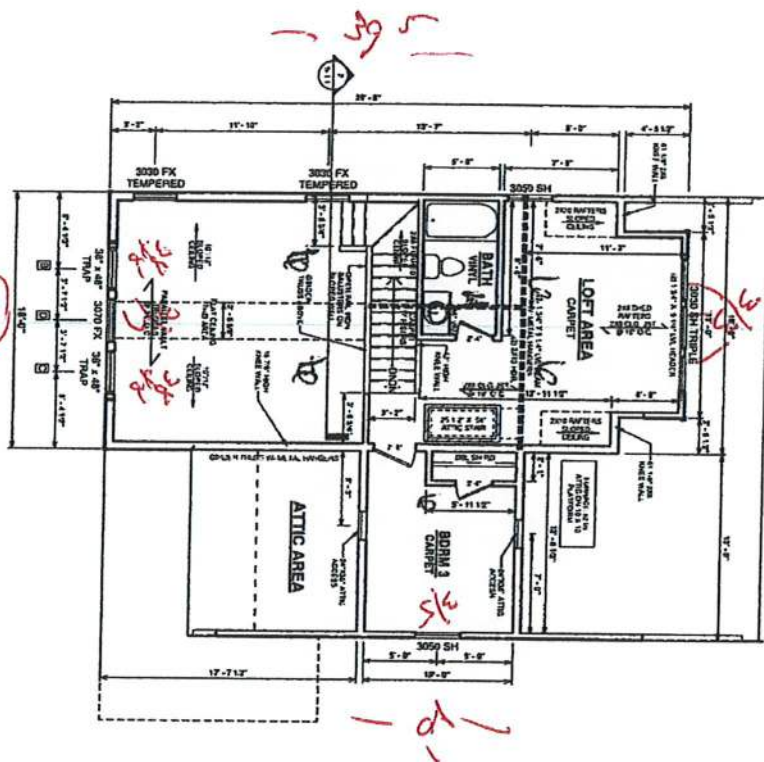
10. Desired EQ Manufacture? Carrier / Trane / Lennox / Goodman

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?

OP1. PAPER SIZE: 10" x 14" on 24" x 36" PAPER SIZE. ENLARGE PRINTS TO 200%
FINAL CONSTRUCTION PLANS



① SECOND FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

- ALL WALL CEILING HEIGHT ON FIRST FLOOR SHALL BE 8'0" MIN. CEILING HEIGHT ON SECOND FLOOR SHALL BE 9'0" MIN. CEILING HEIGHT ON THIRD FLOOR SHALL BE 10'0" MIN.
- ALL WALL OPENINGS ON FIRST FLOOR OTHER THAN DOOR SHALL BE 20" MIN. HEIGHT.
- SECOND FLOOR TO BE FINISHED FLOOR.
- ALL CORNER, STANDARD PIER WINDOW WINDOW HEADERS SHALL BE FRAMED DOWN 2" FROM TOP. (VALO)
- ALL CORNER, STANDARD PIER WINDOW WINDOW HEADERS FOR WINDOWS LOCATED ABOVE RITCHER SHALL BE FRAMED DOWN 1" FROM TOP. (VALO)
- STANDARD SECOND FLOOR WINDOW HEADERS SHALL BE FRAMED DOWN 1" FROM TOP. (VALO)
- ALL 6" O.S.B. AND JOIST/RAFTER REQUIRED DIMENSIONS ARE TO SHALTING EXTENSION.
- SUFFICIENT 1" FROM DIMENSIONS FOR LOCATION OF OPENING SHALL BE MAINTAINED BEFORE SHALTING INSTALLATION.
- ALL INTERIOR DOORS ARE FRAMED CENTERED AND SHALL BE 1" FROM DIMENSIONS.
- ALL DOORS ON 1ST, 2ND, 3RD FLOOR SHALL BE 1" FROM DIMENSIONS OTHERWISE DIMENSIONS SHALL BE 1" FROM DIMENSIONS.
- NUMBER OF STAIR TURNS, RISES, RUNS MAY VARY AS A RESULT OF LOCAL BUILDING CODES. ALL STAIRS SHALL BE 1" FROM DIMENSIONS.
- ALL STEERING TO BE IN FIELD (VALO)
- HEIGHT 0" FROM FLOOR.
- FINISH 1" FROM FLOOR.
- ALL PLUMBING TO BE 1" FROM DIMENSIONS.
- REINFORCEMENT OF SIZE AND LOCATION ONLY. ACTUAL STYLE AND BRAND OF REINFORCEMENT MAY VARY PER OFFICE LOCATION AT PLANT. CHANGES ARE TO HAVE MAX 1/8" INCREASE.
- INSTALL A 2" WIDE WALKWAY FROM AT/NO ACCESS TO SURFACE MATERIAL.
- ROUGH STOPS, 2" ROCK WALKWAYS NOT REQUIRED.
- ALL WALLS ARE TO BE FINISHED.
- PAINTING ARE A FINISHED CONDITION.
- FINISH IS OVER 3/4" HIGH FROM FINISHED FLOOR.

7" SCALE 1/8" = 1'	SHEET NUMBER F-3	PROPERTY OF:  © COPYRIGHT - 2001	DRAWN BY: J. GIVENCH	JOB# 59-21-039	THE NOTELY MODERN FARMHOUSE	AREAS: FIRST FLOOR HEATED 1,217 SF SECOND FLOOR HEATED 815 SF 1,432 SF FRONT PORCH 162 SF REAR PORCH 20 SF 182 SF TOTAL UNDER ROOF 2,014 SF	Revision Schedule		
	CHECKED BY: B. TOOMBS	2x4 EXTERIOR WALLS	FOR SUZANNE TOWNSEND	FOUNDATION TYPE: MONOSLAB	SW DON COOK WAY FORT WHITE, FL		Revision Number	Revision Description	Revised in Date
SECOND FLOOR PLAN					OFFICE: GAINESVILLE, FL	SOLD BY: RD	1	FINAL	7/19/01

-15-



① FIRST FLOOR PLAN
1/8" = 1'-0"

31

OPT. PAPER SIZE: $10\frac{1}{4} \times 17\frac{1}{2}$ OR $8\frac{1}{2} \times 16$ PAPER SIZE. FIN. ANGLE PRINTS TO 200%.

FINAL CONSTRUCTION PLANS

NO ACTUAL COPYRIGHT INFRINGEMENT.

SHEET NUMBER F-2		PROPERTY OF 		EXPIRATION DATE 5-24-19		MONOLAB		OFFICE 5505 W. LBJ FORT WORTH, TX		TOTAL UNDER ROOF 1,185 SF		TOTAL UNDER ROOF 1,185 SF	
SCALE 1/8" = 1'-0"		FIRST FLOOR PLAN		EXPIRATION TYPE MONOLAB		EXPIRATION DATE 5-24-19		EXPIRATION TYPE MONOLAB		EXPIRATION DATE 5-24-19		EXPIRATION TYPE MONOLAB	
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GENERAL NOTES

- * MIN 9'1" CEILING HEIGHT ON FIRST FLOOR
- * ALL WALL OPENINGS ON FIRST FLOOR ONLY TO HAVE MINIMUM (2) 2X10 SILL BEAMS
- * ALL WALL OPENINGS ON SECOND FLOOR SILL WALLS ONLY (2) 2X10 SILL BEAMS
- * WINDOW HEADERS SHALL BE FRAMED DOWN 2-2" FROM T.O.P. U.N.O.
- * WINDOW HEADERS FOR WINDOWS LOCATED ABOVE SECOND FLOOR SHALL BE FRAMED DOWN 1" 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.
- * 7/16" O.S.B. AND NO SHEATHING REQUIRED ON EXTERIOR
- * SUBTRACT 1/2" FROM DIMENSIONS FOR DOOR AND WINDOW DOOR FRAMING LOCATION IF WINDOW OR DOOR BEHIND SHEATHING INSTALLATION
- * ALL INTERIOR DOORS ARE EITHER CENTERED OR 1/2" OFF CENTER
- * ALL WALLS OR 1/2" STARTED JIN OFF FROM FLOOR OR 1/2" OFF FROM CEILING UNLESS OTHERWISE DIMENSIONED
- * NUMBER OF STAIR TREADS & RISERS MAY VARY AS A RESULT OF LOCAL BUILDING CODES AND FINISHES
- * ALL SILLING TO BE 1" DEEP GRAIC
- * HEIGHT OFF FLOOR
- * DOUBLE 4"8"
- * ALL INTERIORS SHOWN ARE A REPRESENTATION OF THE FINISH ONLY. ACTUAL STYLE AND BRAND OF FINISHES MAY VARY PER OFFICE LOCATION
- * FINISHES HOWEVER ARE TO HAVE MILLERS AT FLANK
- * INSTALL 2-2" WIDE PLANKWAY FROM ATTIC ACCESS TO PURNACE PLATFORM
- * PORCH, STOP & DECK HANDRAILS NOT REQUIRED
- * RAILINGS ARE A CODED REQUIREMENT
- * PORCH IS OVER 30" HIGH FROM FINISHED GRADE



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Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
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Inside humidity (%)	50	50		
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AHRI ref
Efficiency 8.5 HSPF
Heating input
Heating output 40888 Btuh @ 47°F
Temperature rise 25 °F
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Static pressure 0 in H2O
Space thermostat
Capacity balance point = 14 °F
Backup:
Input = 7 kW, Output = 24075 Btuh, 100 AFUE

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BEDROOM 3	90	1966	1297	118	50

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

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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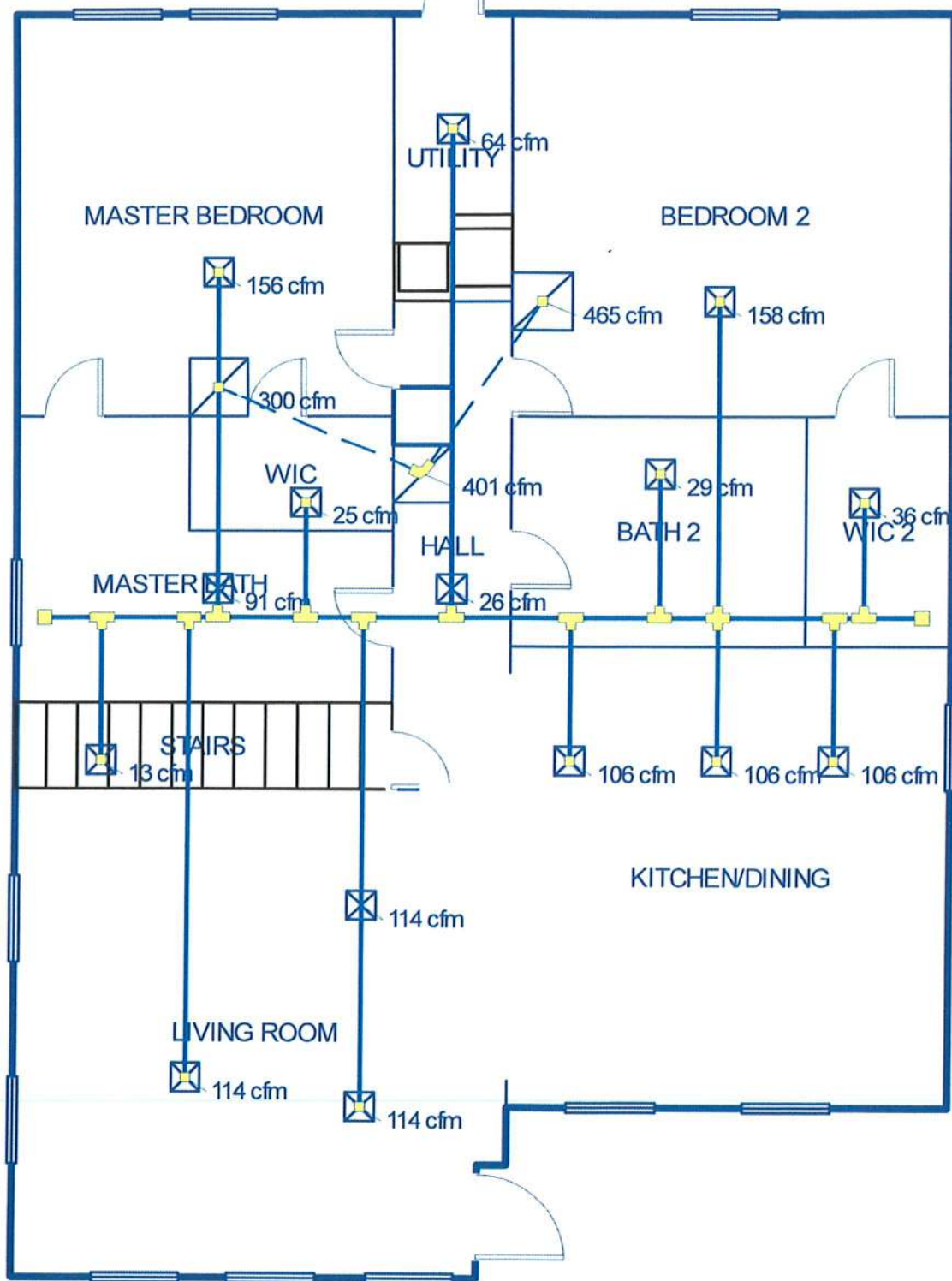
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Page 2



Sheet 1



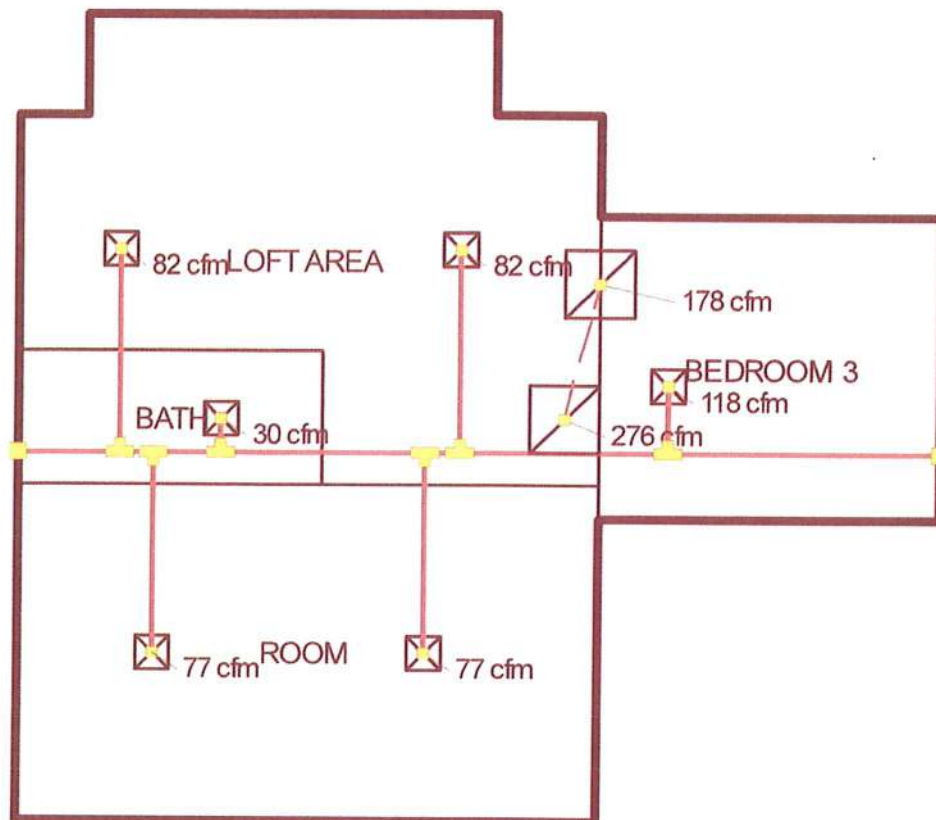
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Scale: 1 : 67
Page 1
Right-Suite® Universal 2021
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LEVEL 2



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Scale: 1 : 67
Page 2
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