

Load Short Form

Entire House

New Age Dimensions, LLC.

Job: Blake Lundy Con. 6 Unit ...
 Date: 10/9/2020
 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 YHE24B21
 AHRI ref 202154115

Efficiency 8.2 HSPF
 Heating input
 Heating output 24000 Btuh @ 47°F
 Temperature rise 30 °F
 Actual air flow 733 cfm
 Air flow factor 0.050 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat
 Capacity balance point = 20 °F

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

COOLING EQUIPMENT

Make York
 Trade YORK
 Cond YHE24B21
 Coil AB*24-4Z0G++V
 AHRI ref 202154115

Efficiency 11.8 EER, 14 SEER
 Sensible cooling 15400 Btuh
 Latent cooling 6600 Btuh
 Total cooling 22000 Btuh
 Actual air flow 733 cfm
 Air flow factor 0.047 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.79

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Bed 2 Unit 1	148	3034	2342	152	110
WIC2 Unit1	41	719	321	36	15
Bath2 Unit1	44	60	95	3	4
Laundry Unit1	52	71	1264	4	60
Bath1 Unit1	44	60	95	3	4
WIC1 Unit1	39	53	83	3	4
Bed 1 Unit 1	132	2290	2093	115	99
Living Unit 1	241	4177	4095	210	193
Dining Unit 1	65	1115	1891	56	89
Kitchen Unit 1	110	3018	3282	152	155

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



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...hstone\Blake Lundy Con. 6 Unit Apts Unit #1.rup Calc = MJ8 Front Door faces: S

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Page 1

Entire House	916	14598	15563	733	733
Other equip loads		0	1707		
Equip. @ 0.97 RSM			16751		
Latent cooling			4713		
TOTALS	916	14598	21464	733	733

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

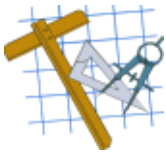


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...hstone\Blake Lundy Con. 6 Unit Apts Unit #1.rup Calc = MJ8 Front Door faces: S



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 Heating input
 Heating output 24000 Btuh @ 47°F
 Temperature rise 30 °F
 Actual air flow 733 cfm
 Air flow factor 0.062 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat
 Capacity balance point = 14 °F

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

COOLING EQUIPMENT

Make York
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 Cond YHE24B21
 Coil AB*24-4Z0G++V
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 Sensible cooling 15400 Btuh
 Latent cooling 6600 Btuh
 Total cooling 22000 Btuh
 Actual air flow 733 cfm
 Air flow factor 0.051 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.79

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WIC2 Unit 2	41	766	338	47	17
Bath 1 Unit 2	44	64	99	4	5
WIC1 Unit 2	39	56	87	3	4
Bed 1 Unit 2	132	2439	2189	150	111
Bed 2 Unit 2	148	3232	2453	199	124
Bath2 Unit 2	44	64	99	4	5
Laundry Unit 2	52	75	1317	5	67
Living Unit 2	241	2906	3748	179	190
Dining Unit 2	65	94	1066	6	54
Kitchen Unit 2	110	2192	3069	135	156

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



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Page 1

...hstone\Blake Lundy Con. 6 Unit Apts Unit #2.rup Calc = MJ8 Front Door faces: S

Entire House	916	11889	14466	733	733
Other equip loads		0	1707		
Equip. @ 0.97 RSM			15687		
Latent cooling			4262		
TOTALS	916	11889	19950	733	733

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

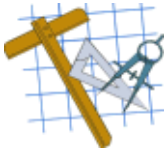


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...hstone\Blake Lundy Con. 6 Unit Apts Unit #2.rup Calc = MJ8 Front Door faces: S

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	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 YHE24B21
 AHRI ref 202154115

Efficiency 8.2 HSPF
 Heating input
 Heating output 24000 Btuh @ 47°F
 Temperature rise 30 °F
 Actual air flow 733 cfm
 Air flow factor 0.062 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat
 Capacity balance point = 14 °F

Backup:

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

COOLING EQUIPMENT

Make York
 Trade YORK
 Cond YHE24B21
 Coil AB*24-4Z0G++V
 AHRI ref 202154115

Efficiency 11.8 EER, 14 SEER
 Sensible cooling 15400 Btuh
 Latent cooling 6600 Btuh
 Total cooling 22000 Btuh
 Actual air flow 733 cfm
 Air flow factor 0.051 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.79

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WIC2 Unit 3	41	766	338	47	17
Bath 1 Unit 3	44	64	99	4	5
WIC1 Unit 3	39	56	87	3	4
Bed 1 Unit 3	132	2439	2189	150	111
Bed 2 Unit 3	148	3232	2453	199	124
Bath2 Unit 3	44	64	99	4	5
Laundry Unit 3	52	75	1317	5	67
Living Unit 3	241	2906	3748	179	190
Dining Unit 3	65	94	1066	6	54
Kitchen Unit 3	110	2192	3069	135	156

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...hstone\Blake Lundy Con. 6 Unit Apts Unit #3.rup Calc = MJ8 Front Door faces: S

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Page 1

Entire House	916	11889	14466	733	733
Other equip loads		0	1707		
Equip. @ 0.97 RSM			15687		
Latent cooling			4262		
TOTALS	916	11889	19950	733	733

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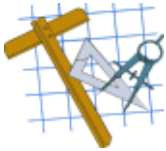


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Design Information

	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 YHE24B21
 AHRI ref 202154115

Efficiency 8.2 HSPF
 Heating input
 Heating output 24000 Btuh @ 47°F
 Temperature rise 30 °F
 Actual air flow 733 cfm
 Air flow factor 0.062 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat
 Capacity balance point = 14 °F

Backup:

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

COOLING EQUIPMENT

Make York
 Trade YORK
 Cond YHE24B21
 Coil AB*24-4Z0G++V
 AHRI ref 202154115

Efficiency 11.8 EER, 14 SEER
 Sensible cooling 15400 Btuh
 Latent cooling 6600 Btuh
 Total cooling 22000 Btuh
 Actual air flow 733 cfm
 Air flow factor 0.051 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.79

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WIC2 Unit 4	41	766	338	47	17
Bath 1 Unit 4	44	64	99	4	5
WIC1 Unit 4	39	56	87	3	4
Bed 1 Unit 4	132	2439	2189	150	111
Bed 2 Unit 4	148	3232	2453	199	124
Bath2 Unit 4	44	64	99	4	5
Laundry Unit 4	52	75	1317	5	67
Living Unit 4	241	2906	3748	179	190
Dining Unit 4	65	94	1066	6	54
Kitchen Unit 4	110	2192	3069	135	156

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...hstone\Blake Lundy Con. 6 Unit Apts Unit #4.rup Calc = MJ8 Front Door faces: S

Entire House	916	11889	14466	733	733
Other equip loads		0	1707		
Equip. @ 0.97 RSM			15687		
Latent cooling			4262		
TOTALS	916	11889	19950	733	733

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

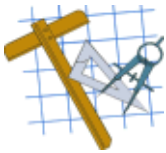


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...hstone\Blake Lundy Con. 6 Unit Apts Unit #4.rup Calc = MJ8 Front Door faces: S

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	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 YHE24B21
 AHRI ref 202154115

Efficiency 8.2 HSPF
 Heating input
 Heating output 24000 Btuh @ 47°F
 Temperature rise 30 °F
 Actual air flow 733 cfm
 Air flow factor 0.062 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat
 Capacity balance point = 14 °F

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

COOLING EQUIPMENT

Make York
 Trade YORK
 Cond YHE24B21
 Coil AB*24-4Z0G++V
 AHRI ref 202154115

Efficiency 11.8 EER, 14 SEER
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 Latent cooling 6600 Btuh
 Total cooling 22000 Btuh
 Actual air flow 733 cfm
 Air flow factor 0.051 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.79

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WIC2 Unit 5	41	766	338	47	17
Bath 1 Unit 5	44	64	99	4	5
WIC1 Unit 5	39	56	87	3	4
Bed 1 Unit 5	132	2439	2189	150	111
Bed 2 Unit 5	148	3232	2453	199	124
Bath2 Unit 5	44	64	99	4	5
Laundry Unit 5	52	75	1317	5	67
Living Unit 5	241	2906	3748	179	190
Dining Unit 5	65	94	1066	6	54
Kitchen Unit 5	110	2192	3069	135	156

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Entire House	916	11889	14466	733	733
Other equip loads		0	1707		
Equip. @ 0.97 RSM			15687		
Latent cooling			4262		
TOTALS	916	11889	19950	733	733

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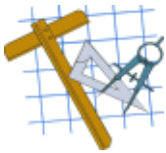


Right-Suite® Universal 2019 19.0.20 RSU02050

...hstone\Blake Lundy Con. 6 Unit Apts Unit #5.rup Calc = MJ8 Front Door faces: S

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Inside humidity (%)	50	50		
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 Heating output 24000 Btuh @ 47°F
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 Air flow factor 0.050 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat
 Capacity balance point = 20 °F

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

COOLING EQUIPMENT

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 Cond YHE24B21
 Coil AB*24-4Z0G++V
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Efficiency 11.8 EER, 14 SEER
 Sensible cooling 15400 Btuh
 Latent cooling 6600 Btuh
 Total cooling 22000 Btuh
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 Static pressure 0 in H2O
 Load sensible heat ratio 0.79

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
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TOTALS	916	14598	21464	733	733

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...hstone\Blake Lundy Con. 6 Unit Apts Unit #6.rup Calc = MJ8 Front Door faces: S

2020-Oct-11 09:08:51

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