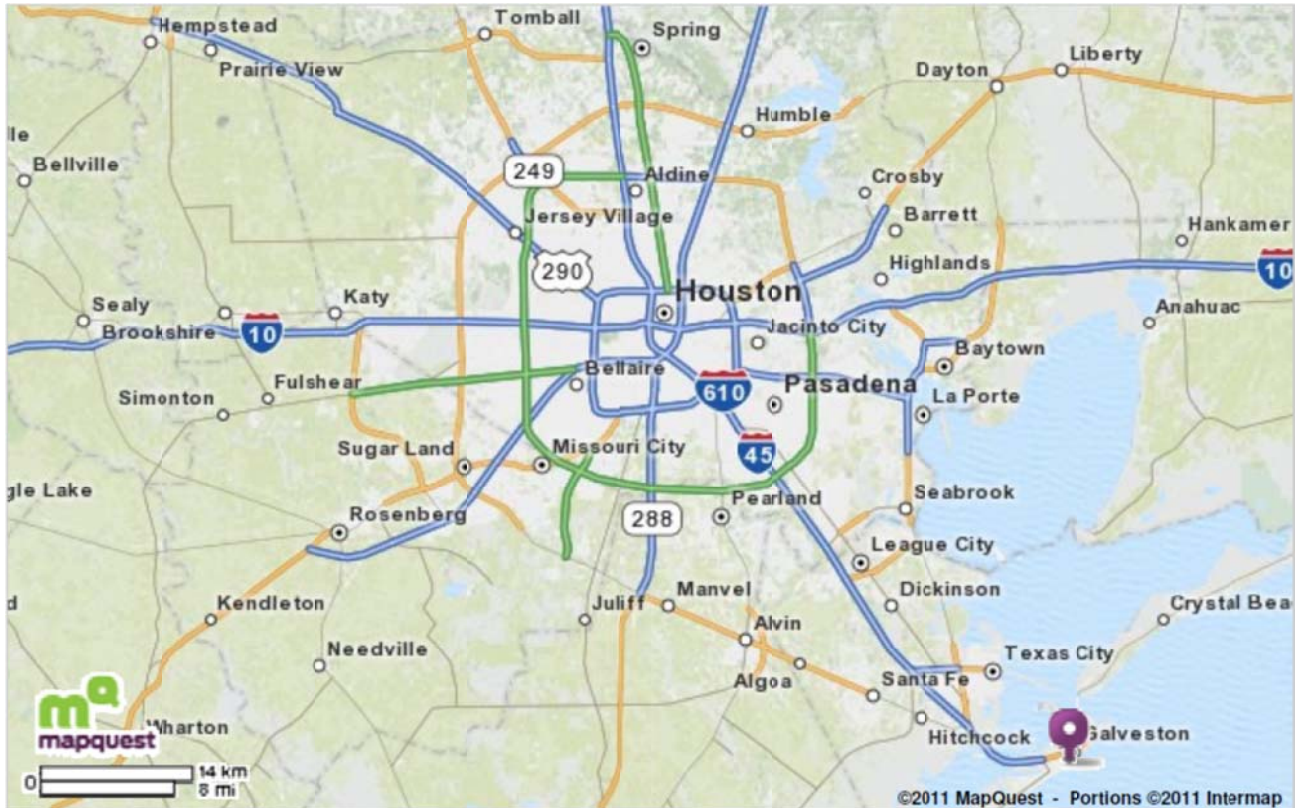




Prepared by: Tracy Savoy



DISCLAIMER

The following pages summarize the heat gain and heat loss of the building using the ACCA Manual J8 calculation procedure. The calculations are based on the information given to Savoy Engineering Group in the form of drawings, sketches, and interviews. In certain cases, Savoy Engineering Group may make assumptions about design conditions that may or may not be accurate for the location of concern. It is the responsibility of the installing HVAC contractor to verify the design conditions **before** equipment purchase and installation.

Any load calculations provided in the following pages are based upon information provided by the party submitting a particular project to Savoy Engineering Group. Savoy Engineering Group has not and does not independently verify that the data provided to Savoy Engineering Group is correct or complete, and any calculations made by Savoy Engineering Group are based upon the information provided by third parties. Savoy Engineering Group makes no claim that the information given to us is correct or complete.

Savoy Engineering Group utilizes WrightSoft Residential 8.0 which is an ACCA Certified and ASHRAE recommended computer program to determine the heating and cooling loads presented in this report, and is therefore very accurate. If the information given to Savoy Engineering Group is accurate, and the building is built as per the plans submitted, then the load calculations presented in this report can be assumed to be accurate. A licensed mechanical contractor may use these calculations as a starting point in system sizing and selection.

Savoy Engineering Group does not provide architectural or engineering plans or diagrams for the public or for use by contractors or construction companies as final “construction documents”. Savoy Engineering Group works with architectural and engineering firms and with contractors in connection with their designs of heating and air conditioning systems.

If the HVAC duct layout installed on-site DOES NOT match the Manual D duct design prepared by Savoy Engineering Group, then Savoy Engineering Group cannot and will not guarantee the performance of any altered duct design.

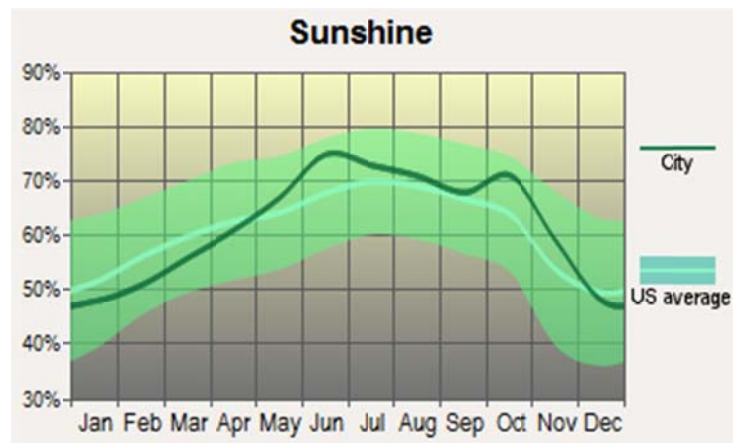
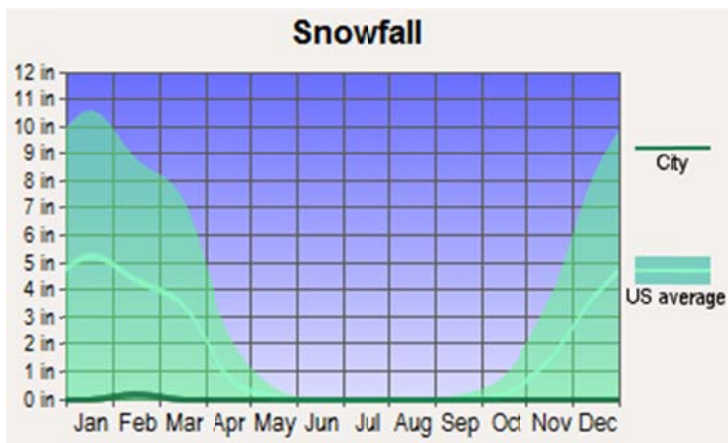
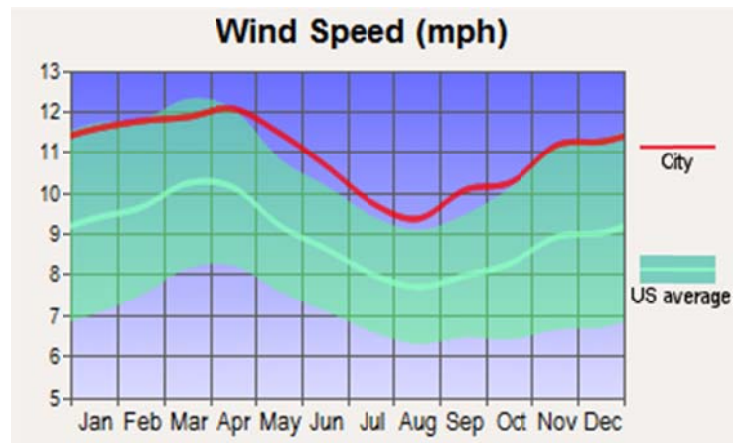
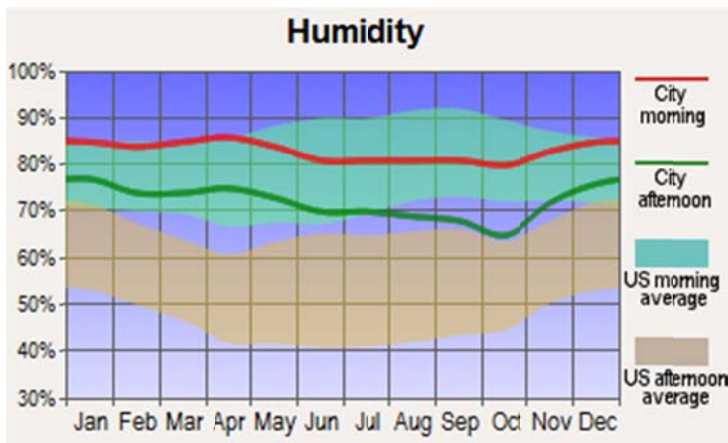
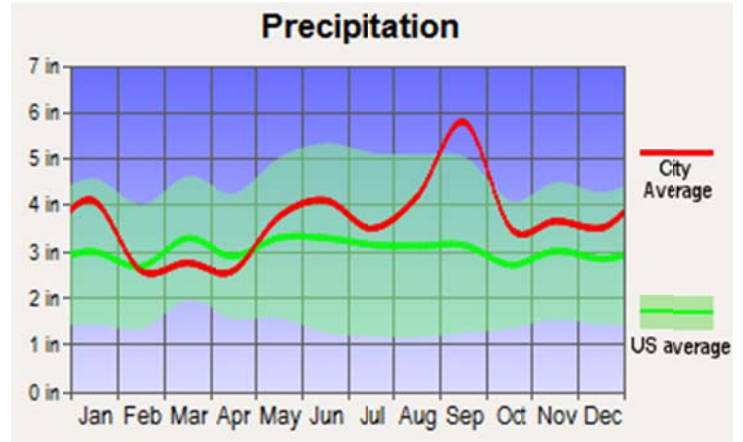
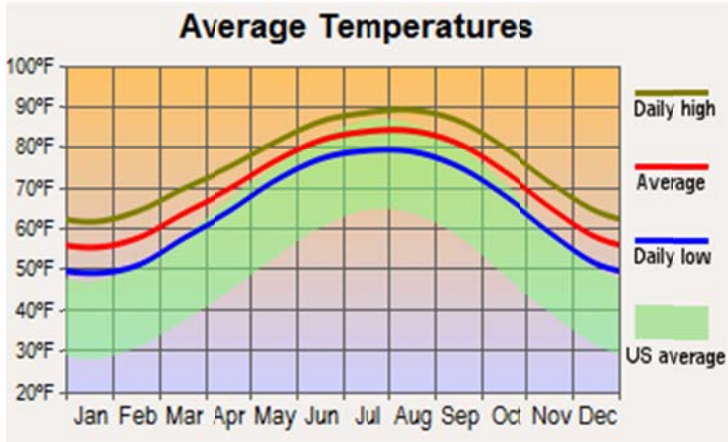
Final HVAC sizing and selection should be done by a licensed HVAC contractor. Many factors beyond the scope of this report must be considered prior to final system selection and design, such as: exact equipment availability and selections, system controls and location of controls, system air distribution and cycling, Uniform Building Code requirements, Uniform Mechanical Code requirements, and many other standard design conventions as listed by the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE).

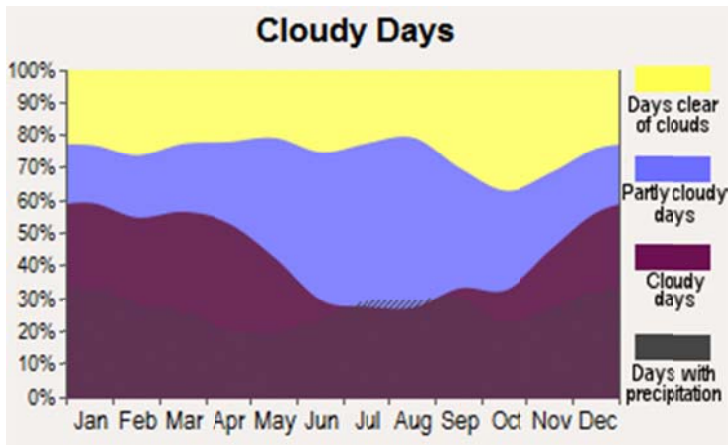
Savoy Engineering Group therefore assumes no liability for final equipment selection or final system design. Various modifications to the information provided to Savoy Engineering Group may have occurred after this Design Support information was prepared, which would require that this Design Support information be modified in order to be accurate. After reviewing Savoy Engineering Group’s report, and prior to any system purchase or installation, please inform Savoy Engineering Group in writing of any changes which may alter the assumptions and calculations contained in this report.

Elevation: 10 feet

Average climate in Galveston, Texas

Based on data reported by over 4,000 weather stations





<http://www.city-data.com/city/Galveston-Texas.html>

SUMMARY

CONDITIONING REQUIREMENTS (BTUh)

HEATING

COOLING

AHU 1	31,434	Sensible = 30,329	Latent = 4,983	(3.6 tons)
AHU 2	26,628	Sensible = 33,431	Latent = 5,527	(4.0 tons)

The ACCA Certified Load Analysis includes:

- a SHR of 0.70
- The Load Analysis includes 6 (# of bedrooms + 1) people and 4 appliances such as computers, tv's, refrigerators, etc.
- The Load Analysis includes a duct loss:
 - VENTED ATTIC duct location

DESIGN TEMPERATURES (°F)

HEATING

COOLING

INDOOR	70 F	75 F
OUTDOOR	37 F	91 F

The **SHR** is the ratio of the sensible load or capacity to the total (sensible plus latent) load or capacity.

- Most residential equipment has an SHR of around 70%, although some specialized equipment can be lower or higher.
- Buildings can have a much greater SHR than 70%.
 - Occupants and infiltration contribute to latent load with infiltration being the primary contributor.
 - If the house is very tight, there isn't much infiltration and, therefore, not much latent load. In this case, the sensible load is a greater percentage of the total load - sometimes as high as 90-95%.

Bill of Materials:

SEG Project 0111-019: New Bed & Breakfast - Galveston, TX

Item	Quantity	Part Number	Description	U/M
FIRST FLOOR				
1	1	WCS3642GH0	WCSP-3642G Unit	each
2	1	AC-WPAK-90	4-row Hot Water Coil (3642) - (all "ESP" models)	each
3	1	AC-RBC-3	Air Cleaner (3642)	each
4	1	BM-6809-10	3642 Return Air Duct (10ft)	each
SECOND FLOOR				
5	1	WCS4860GH0	WCSP-4860G Unit	each
6	1	AC-WPAK-120	4-Row Hot Water Coil (4860) - (All "ESP" Models)	each
7	1	AC-RBC-5	Air Cleaner (4860)	each
8	1	BM-6839-10	4860 Return Air Duct (10ft)	each
Total Project				
9	3	AC-ACM	Air Control Module	each
10	1	SCM060A4	Air to Water Heat Pump - 5 Ton	each
11	1	SCM036A4	Air to Water Heat Pump - 3 Ton	each
12	1	AC-SS160	ThermaPak Boiler	each
13	2	AC-SM9-PA	SmartSeal - Plenum Adaptor (1/carton)	each
14	10	AC-SM9-6	SmartSeal - 6 ft Duct w/ 10 ft R8 Sleeve (4/carton)	package
15	2	AC-SM9-T	SmartSeal - Tee (1/carton)	each
16	10	AC-SM9-EL90	SmartSeal - 90 deg Elbow (1/carton)	each
18	11	AC-TKMR-5	-5 Inst. Kit Take-off Parts Metal Round	package
19	11	AC-IKLT-5	-5 Inst. Kit Common Parts	package
20	7	AC-ST6-100	Supply Tubing (100ft lg) - R6	package





Project Information

For: New B&B

Design Conditions

Location:

Galveston/Scholes, TX, US
 Elevation: 10 ft
 Latitude: 29°N

Outdoor:

Drybulb (°F)
 Daily range (°F)
 Wet bulb (°F)
 Wind speed (mph)

Heating

37
 -
 -
 15.0

Cooling

91
 10 (L)
 79
 7.5

Indoor:

Indoor temperature (°F)
 Design TD (°F)
 Relative humidity (%)
 Moisture difference (gr/lb)

Heating

70
 33
 50
 28.6

Cooling

75
 16
 50
 64.4

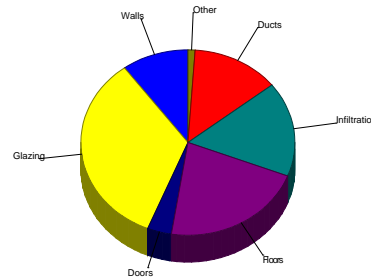
Infiltration:

Method
 Construction quality
 Fireplaces

Simplified
 Semi-loose
 1 (Semi-loose)

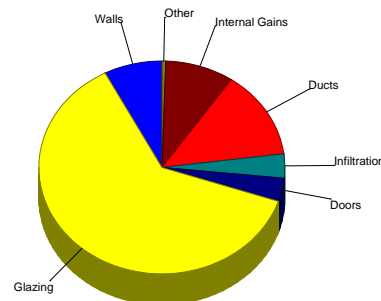
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.8	3176	10.1
Glazing	29.2	10611	33.8
Doors	12.8	1156	3.7
Ceilings	0	0	0
Floors	4.4	6790	21.6
Infiltration	3.3	5191	16.5
Ducts		4165	13.3
Piping		0	0
Humidification		0	0
Ventilation		345	1.1
Adjustments		0	0
Total		31434	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.2	2421	7.6
Glazing	54.4	19738	62.2
Doors	12.5	1127	3.6
Ceilings	0	0	0
Floors	0	0	0
Infiltration	0.7	1159	3.7
Ducts		4257	13.4
Ventilation		164	0.5
Internal gains		2860	9.0
Blower		0	0
Adjustments		0	0
Total		31725	100.0



Latent Cooling Load = 4983 Btuh
 Overall U-value = 0.212 Btuh/ft²-°F

Data entries checked.



Project Information

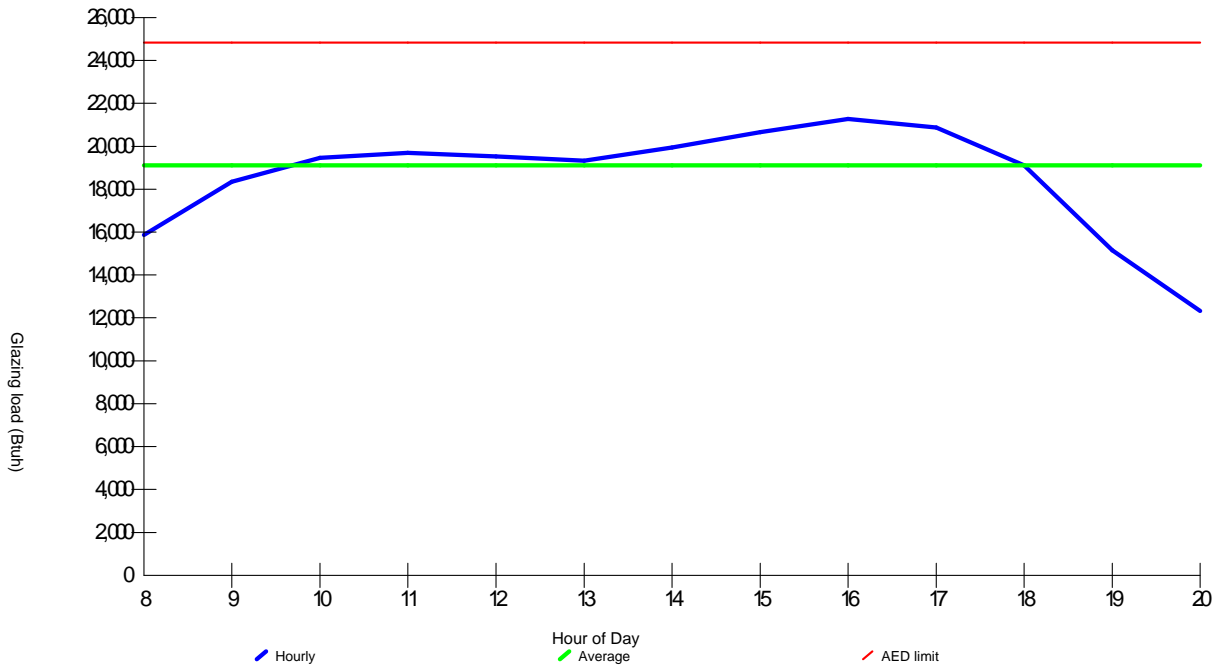
For: New B&B

Design Conditions

Location:		Indoor:		Heating	Cooling
Galveston/Scholes, TX, US		Indoor temperature (°F)		70	75
Elevation: 10 ft		Design TD (°F)		33	16
Latitude: 29°N		Relative humidity (%)		50	50
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	37	91	Moisture difference (gr/lb)		
Daily range (°F)	-	10 (L)	28.6		
Wet bulb (°F)	-	79	64.4		
Wind speed (mph)	15.0	7.5			

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 11.4%.

Zone has adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 0 Btu/h



Project Information

For: New B&B

Design Conditions

Location: Galveston/Scholes, TX, US Elevation: 10 ft Latitude: 29°N				Indoor: Indoor temperature (°F) Design TD (°F) Relative humidity (%) Moisture difference (gr/lb)	Heating 70 33 50 28.6	Cooling 75 16 50 64.4
Outdoor: Drybulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)	Heating 37 - - 15.0	Cooling 91 10 (L) 79 7.5	Infiltration: Method Construction quality Fireplaces	Simplified Semi-loose 1 (Semi-loose)		

Construction descriptions

Walls

12D-0sw: Frm wall, stucco ext, 1/2" wood shth, r-15 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm

	Or	Area ft ²	U-value Btuh/ft ² -°F	Insul R ft ² -°F/Btuh	Htg HTM Btuh/ft ²	Loss Btuh	Clg HTM Btuh/ft ²	Gain Btuh
n		16	0.086	15.0	2.82	44	2.15	33
ne		349	0.086	15.0	2.82	984	2.15	750
se		185	0.086	15.0	2.82	520	2.15	397
sw		368	0.086	15.0	2.82	1038	2.15	791
w		16	0.086	15.0	2.82	44	2.15	33
nw		194	0.086	15.0	2.82	546	2.15	416
all		1126	0.086	15.0	2.82	3176	2.15	2421

Partitions

(none)

Windows

1A-c1oc: 1 glazing, clr glz, clad wd frm mat, 1/8" thk

n	23	0.900	0	29.5	669	27.4	621
ne	92	0.900	0	29.5	2716	57.3	5274
se	40	0.820	0	26.9	1076	31.1	1244
se	92	0.900	0	29.5	2706	59.0	5411
sw	52	0.900	0	29.5	1535	59.0	3070
w	23	0.900	0	29.5	669	75.5	1711
nw	42	0.900	0	29.5	1240	57.3	2408
all	363	0.900	0	29.2	10611	54.4	19738

Doors

11D0: Door, wd sc type

se	21	0.390	0	12.8	273	12.5	266
sw	21	0.390	0	12.8	269	12.5	262
nw	48	0.390	0	12.8	614	12.5	599
all	90	0.390	0	12.8	1156	12.5	1127

Ceilings

(none)

Floors

22A-tpm: Bg floor, heavy dry or light damp soil, on grade depth

175	1.180	0	38.7	6790	0	0
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Load Short Form
AHU 1
Savoy Engineering Group

Job: SEG 0111-019
 Date: Feb 01, 2011
 By: Tracy Savoy

Project Information

For: New B&B

Design Information

	Htg	Clg		Infiltration
Outside db (°F)	37	91	Method	Simplified
Inside db (°F)	70	75	Construction quality	Semi-loose
Design TD (°F)	33	16	Fireplaces	1 (Semi-loose)
Daily range	-	L		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	29	64		

HEATING EQUIPMENT

Make	
Trade	
Model	
ARI ref no.	
Efficiency	0 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	775 cfm
Air flow factor	0.025 cfm/Btuh
Static pressure	1.50 in H2O
Space thermostat	

COOLING EQUIPMENT

Make	
Trade	
Cond	
Coil	
ARI ref no.	
Efficiency	0 SEER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	775 cfm
Air flow factor	0.025 cfm/Btuh
Static pressure	1.50 in H2O
Load sensible heat ratio	0.86

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Nw Ktchn	235	6964	6655	174	163
Ex Mstr Bed	225	7070	8162	176	200
Nw Mstr Bth	115	2247	2251	56	55
Nw CL	36	0	0	0	0
Ex Dining/Strs	262	4213	4497	105	110
Ex Living	238	6473	8505	161	209
Nw Pwdr	26	0	0	0	0
Ex Fyr/ Strs	241	4122	1491	103	37
Nw Btlr Pn	49	0	0	0	0
Nw W.I.C	129	0	0	0	0

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

AHU 1	d	1553	31089	31562	775	775
Other equip loads			345	164		
Equip. @ 0.96 RSM				30329		
Latent cooling				4983		
TOTALS		1553	31434	35312	775	775

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Project Summary
AHU 1
Savoy Engineering Group

Job: SEG 0111-019
 Date: Feb 01, 2011
 By: Tracy Savoy

Project Information

For: New B&B

Notes: Norm Hilburn
 Airmartex

Design Information

Weather: Galveston/Scholes, TX, US

Winter Design Conditions

Outside db 37 °F
 Inside db 70 °F
 Design TD 33 °F

Summer Design Conditions

Outside db 91 °F
 Inside db 75 °F
 Design TD 16 °F
 Daily range L
 Relative humidity 50 %
 Moisture difference 64 gr/lb

Heating Summary

Structure 26924 Btuh
 Ducts 4165 Btuh
 Central vent (10 cfm) 345 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 31434 Btuh

Sensible Cooling Equipment Load Sizing

Structure 27305 Btuh
 Ducts 4257 Btuh
 Central vent (10 cfm) 164 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.96
 Equipment sensible load 30329 Btuh

Infiltration

Method Simplified
 Construction quality Semi-loose
 Fireplaces 1 (Semi-loose)

	Heating	Cooling
Area (ft ²)	1553	1553
Volume (ft ³)	13975	13975
Air changes/hour	0.62	0.29
Equiv. AVF (cfm)	144	68

Latent Cooling Equipment Load Sizing

Structure 3357 Btuh
 Ducts 1207 Btuh
 Central vent (10 cfm) 418 Btuh
 Equipment latent load 4983 Btuh
 Equipment total load 35312 Btuh
 Req. total capacity at 0.70 SHR 3.6 ton

Heating Equipment Summary

Make
 Trade
 Model
 ARI ref no.
 Efficiency 0 HSPF
 Heating input
 Heating output 0 Btuh @ 47°F
 Temperature rise 0 °F
 Actual air flow 775 cfm
 Air flow factor 0.025 cfm/Btuh
 Static pressure 1.50 in H2O
 Space thermostat

Cooling Equipment Summary

Make
 Trade
 Cond
 Coil
 ARI ref no.
 Efficiency 0 SEER
 Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 775 cfm
 Air flow factor 0.025 cfm/Btuh
 Static pressure 1.50 in H2O
 Load sensible heat ratio 0.86

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Project Information

For: New B&B

Design Conditions

Location:

Galveston/Scholes, TX, US
 Elevation: 10 ft
 Latitude: 29°N

Outdoor:

Drybulb (°F)
 Daily range (°F)
 Wet bulb (°F)
 Wind speed (mph)

Heating

37
 -
 -
 15.0

Cooling

91
 10 (L)
 79
 7.5

Indoor:

Indoor temperature (°F)
 Design TD (°F)
 Relative humidity (%)
 Moisture difference (gr/lb)

Heating

70
 33
 50
 28.6

Cooling

75
 16
 50
 64.4

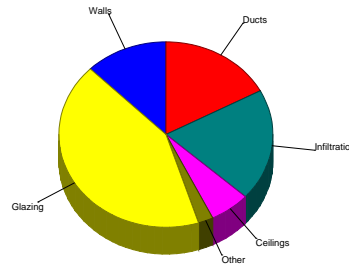
Infiltration:

Method
 Construction quality
 Fireplaces

Simplified
 Semi-loose
 1 (Semi-loose)

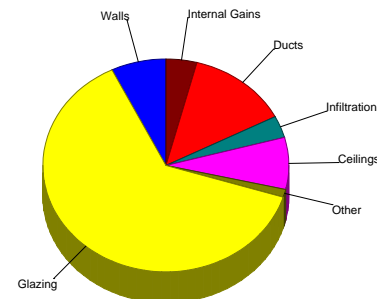
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.8	3317	12.5
Glazing	29.5	11316	42.5
Doors	12.8	256	1.0
Ceilings	1.0	1630	6.1
Floors	0	0	0
Infiltration	3.3	5191	19.5
Ducts		4573	17.2
Piping		0	0
Humidification		0	0
Ventilation		345	1.3
Adjustments		0	0
Total		26628	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.2	2528	7.2
Glazing	57.4	22018	63.0
Doors	12.5	250	0.7
Ceilings	1.8	2758	7.9
Floors	0	0	0
Infiltration	0.7	1159	3.3
Ducts		4673	13.4
Ventilation		164	0.5
Internal gains		1420	4.1
Blower		0	0
Adjustments		0	0
Total		34970	100.0



Latent Cooling Load = 5527 Btuh
 Overall U-value = 0.161 Btuh/ft²-°F

Data entries checked.



Project Information

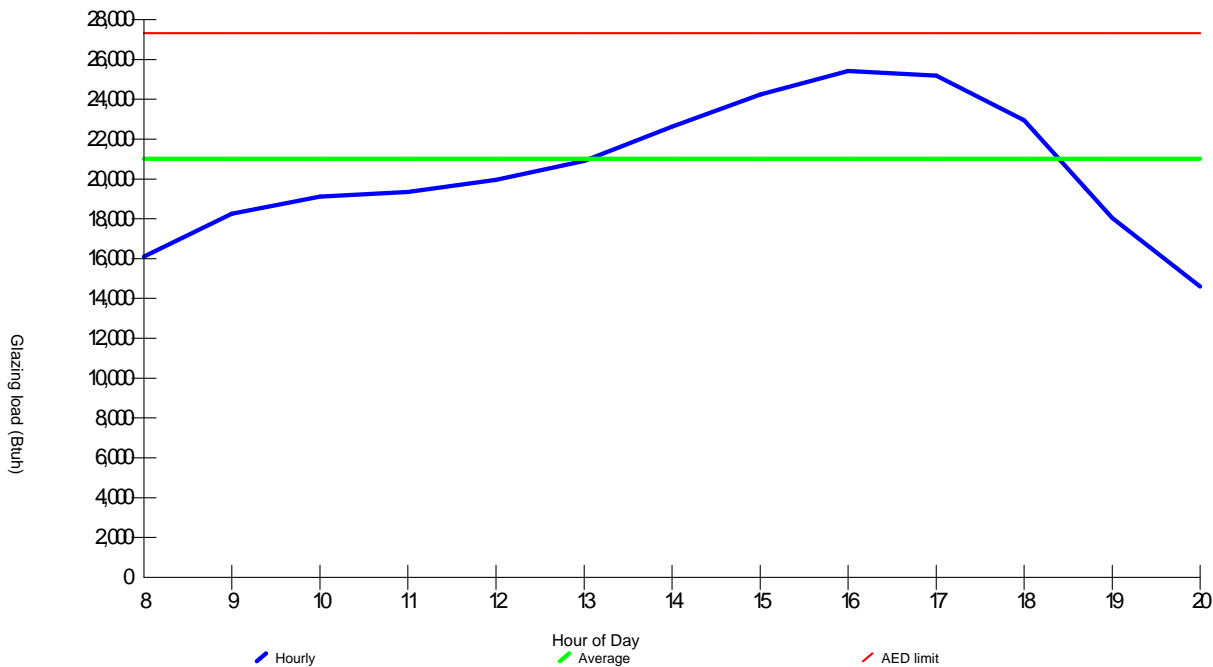
For: New B&B

Design Conditions

Location:		Indoor:		Heating	Cooling
Galveston/Scholes, TX, US		Indoor temperature (°F)		70	75
Elevation: 10 ft		Design TD (°F)		33	16
Latitude: 29°N		Relative humidity (%)		50	50
		Moisture difference (gr/lb)		28.6	64.4
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	37	91			
Daily range (°F)	-	10 (L)			
Wet bulb (°F)	-	79			
Wind speed (mph)	15.0	7.5			

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 21.0%.

Zone has adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 0 Btu/h



Project Information

For: New B&B

Design Conditions

Location:		Indoor:		Heating	Cooling
Galveston/Scholes, TX, US		Indoor temperature (°F)		70	75
Elevation: 10 ft		Design TD (°F)		33	16
Latitude: 29°N		Relative humidity (%)		50	50
		Moisture difference (gr/lb)		28.6	64.4
Outdoor:	Heating	Cooling	Infiltration:		
Drybulb (°F)	37	91	Method		
Daily range (°F)	-	10 (L)	Simplified		
Wet bulb (°F)	-	79	Construction quality		
Wind speed (mph)	15.0	7.5	Fireplaces		
			1 (Semi-loose)		

Construction descriptions

Walls

12D-0sw: Frm wall, stucco ext, 1/2" wood shth, r-15 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm

	Or	Area ft ²	U-value Btuh/ft ² -°F	Insul R ft ² -°F/Btuh	Htg HTM Btuh/ft ²	Loss Btuh	Clg HTM Btuh/ft ²	Gain Btuh
n		16	0.086	15.0	2.82	44	2.15	33
ne		329	0.086	15.0	2.82	928	2.15	707
se		240	0.086	15.0	2.82	676	2.15	515
sw		337	0.086	15.0	2.82	951	2.15	725
w		16	0.086	15.0	2.82	44	2.15	33
nw		240	0.086	15.0	2.82	676	2.15	515
all		1176	0.086	15.0	2.82	3317	2.15	2528

Partitions

(none)

Windows

1A-c1oc: 1 glazing, clr glz, clad wd frm mat, 1/8" thk

n		23	0.900	0	29.5	669	27.4	621
ne		112	0.900	0	29.5	3306	57.3	6420
se		78	0.900	0	29.5	2303	59.0	4605
sw		104	0.900	0	29.5	3070	59.0	6139
w		23	0.900	0	29.5	669	75.5	1711
nw		44	0.900	0	29.5	1299	57.3	2522
all		383	0.900	0	29.5	11316	57.4	22018

Doors

11D0: Door, wd sc type

se		20	0.390	0	12.8	256	12.5	250
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Ceilings

16B-30ad: Attic ceiling, asphalt shingles roof mat, r-30 ceil ins, 1/2" gypsum board int fnsh

		1553	0.032	30.0	1.05	1630	1.78	2758
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Floors

(none)



Load Short Form
AHU 2
Savoy Engineering Group

Job: SEG 0111-019
 Date: Feb 01, 2011
 By: Tracy Savoy

Project Information

For: New B&B

Design Information

	Htg	Clg		Infiltration
Outside db (°F)	37	91	Method	Simplified
Inside db (°F)	70	75	Construction quality	Semi-loose
Design TD (°F)	33	16	Fireplaces	1 (Semi-loose)
Daily range	-	L		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	29	64		

HEATING EQUIPMENT

Make	
Trade	
Model	
ARI ref no.	
Efficiency	0 HSPF
Heating input	
Heating output	0 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	875 cfm
Air flow factor	0.033 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

COOLING EQUIPMENT

Make	
Trade	
Cond	
Coil	
ARI ref no.	
Efficiency	0 SEER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	875 cfm
Air flow factor	0.025 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.86

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Nw Grdn Rm	163	3886	4751	129	119
Nw Bth 2	41	976	891	33	22
Ex Bed 5	217	4825	6339	161	159
Ex Bed 4	171	1991	2948	66	74
Ex Hall/Strs	296	1585	2218	53	56
Nw Bth 3	84	1193	1420	40	36
OTB/Strs	119	2941	4121	98	104
Ex Bed 3	225	3247	4139	108	104
Ex Bed 2	238	5639	7978	188	201

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AHU 2	d	1553	26283	34806	875	875
Other equip loads			345	164		
Equip. @ 0.96 RSM				33431		
Latent cooling				5527		
TOTALS		1553	26628	38958	875	875

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Project Summary
AHU 2
Savoy Engineering Group

Job: SEG 0111-019
 Date: Feb 01, 2011
 By: Tracy Savoy

Project Information

For: New B&B

Notes: Norm Hilburn
 Airmartex

Design Information

Weather: Galveston/Scholes, TX, US

Winter Design Conditions

Outside db 37 °F
 Inside db 70 °F
 Design TD 33 °F

Summer Design Conditions

Outside db 91 °F
 Inside db 75 °F
 Design TD 16 °F
 Daily range L
 Relative humidity 50 %
 Moisture difference 64 gr/lb

Heating Summary

Structure 21710 Btuh
 Ducts 4573 Btuh
 Central vent (10 cfm) 345 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 26628 Btuh

Sensible Cooling Equipment Load Sizing

Structure 30132 Btuh
 Ducts 4673 Btuh
 Central vent (10 cfm) 164 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.96
 Equipment sensible load 33431 Btuh

Infiltration

Method Simplified
 Construction quality Semi-loose
 Fireplaces 1 (Semi-loose)

	Heating	Cooling
Area (ft ²)	1553	1553
Volume (ft ³)	13975	13975
Air changes/hour	0.62	0.29
Equiv. AVF (cfm)	144	68

Latent Cooling Equipment Load Sizing

Structure 3757 Btuh
 Ducts 1352 Btuh
 Central vent (10 cfm) 418 Btuh
 Equipment latent load 5527 Btuh
 Equipment total load 38958 Btuh
 Req. total capacity at 0.70 SHR 4.0 ton

Heating Equipment Summary

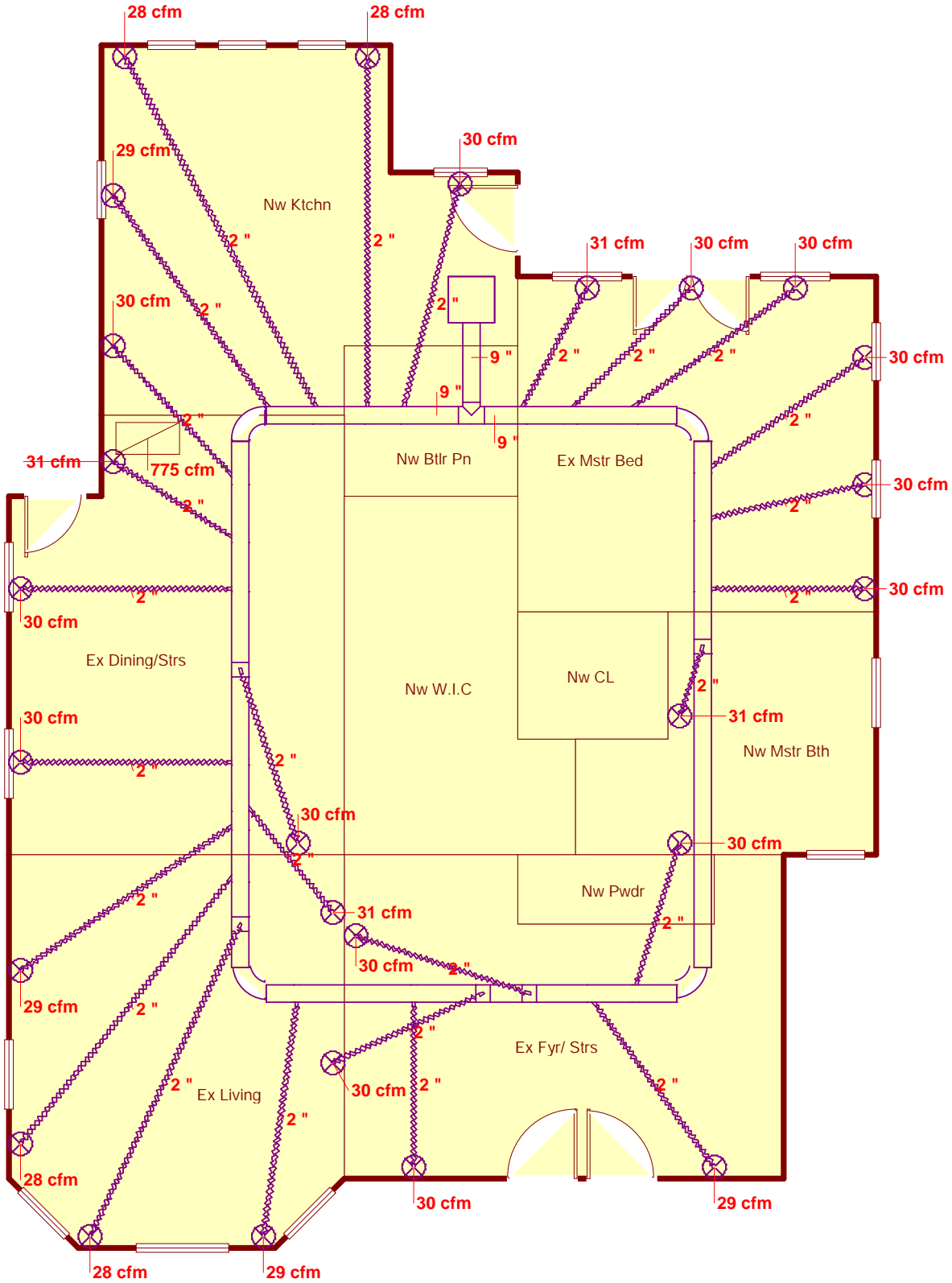
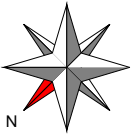
Make
 Trade
 Model
 ARI ref no.
 Efficiency 0 HSPF
 Heating input
 Heating output 0 Btuh @ 47°F
 Temperature rise 0 °F
 Actual air flow 875 cfm
 Air flow factor 0.033 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat

Cooling Equipment Summary

Make
 Trade
 Cond
 Coil
 ARI ref no.
 Efficiency 0 SEER
 Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 875 cfm
 Air flow factor 0.025 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.86

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1st Floor



Job #: SEG 0111-019
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New B&B

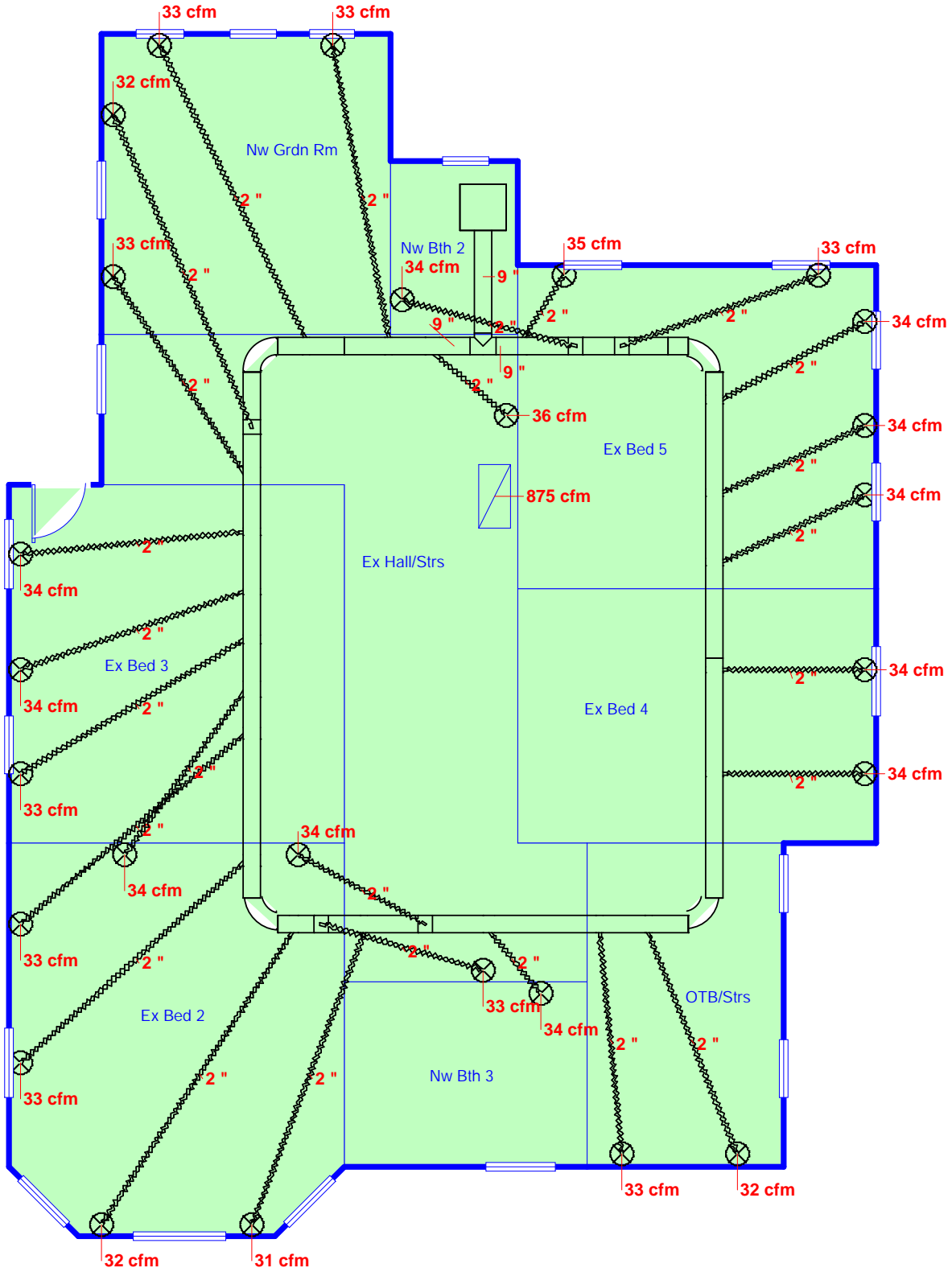
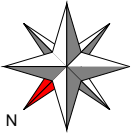
Savoy Engineering Group

Phone: (801)949-5337
www.load-calculations.com

Scale: 1 : 80

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2nd Floor



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Performed by Tracy Savoy for:
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