

Project Information

For: Sample2 customer
Fitzhugh, Austin, TX

Design Conditions

Location:

Austin, TX, US
Elevation: 620 ft
Latitude: 30°N

Outdoor:

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

Heating

25
-
-
15.0

Cooling

98
20 (M)
74
7.5

Indoor:

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

Heating

70
45
30
17.8

Cooling

75
23
50
24.9

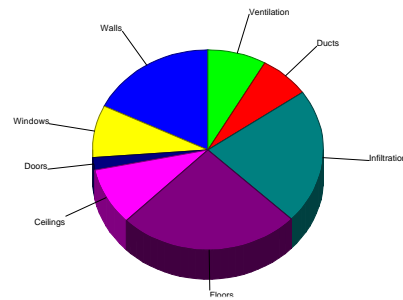
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Tight
1 (Average)

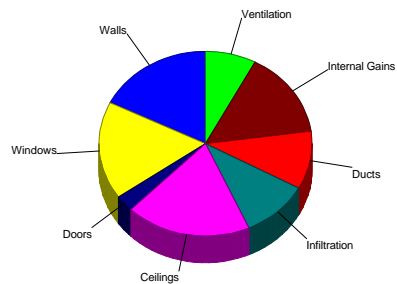
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.9	9708	17.8
Windows	21.2	4583	8.4
Doors	17.5	1106	2.0
Ceilings	1.8	5059	9.3
Floors	5.3	13859	25.4
Infiltration	3.3	11954	21.9
Ducts		3835	7.0
Piping		0	0.0
Humidification		0	0.0
Ventilation		4483	8.2
Total		54585	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.6	5282	17.6
Windows	23.8	5142	17.2
Doors	13.6	854	2.9
Ceilings	2.1	5704	19.0
Floors	0.0	0	0.0
Infiltration	0.9	3095	10.3
Ducts		3040	10.1
Ventilation		2321	7.7
Internal gains		4520	15.1
Blower		0	0.0
Total		29958	100.0



Overall U-value = 0.088 Btuh/ft²·°F

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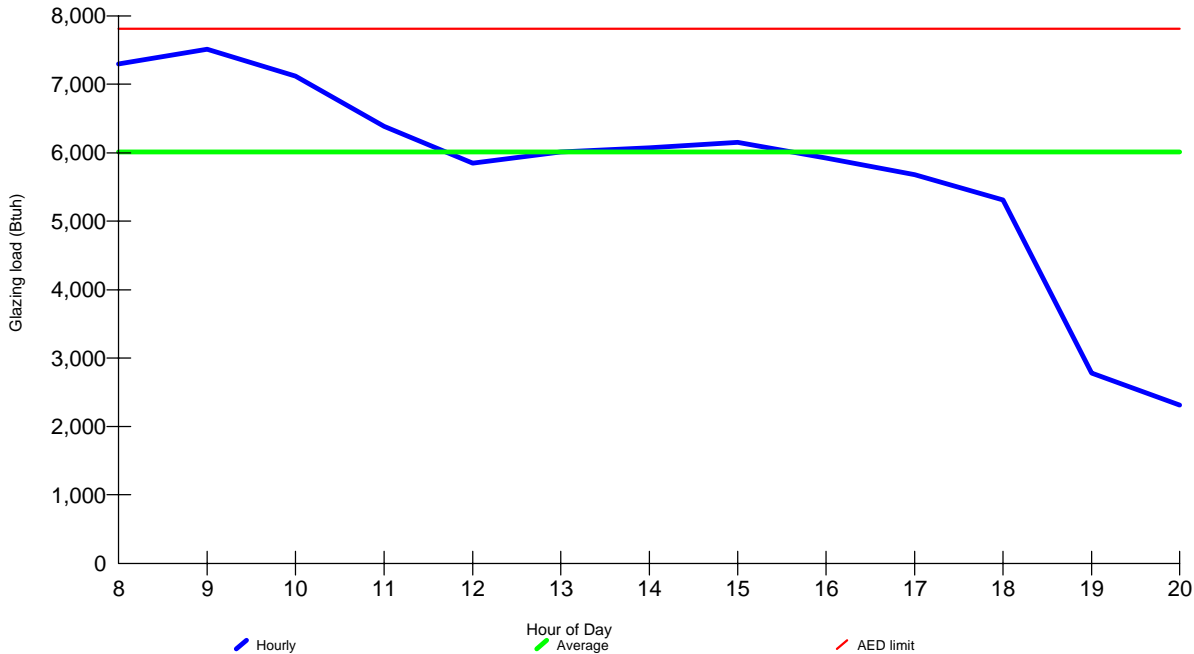
For: Sample2 customer
 Fitzhugh, Austin, TX

Design Conditions

Location:		Indoor:		Heating	Cooling
Austin, TX, US		Indoor temperature (°F)		70	75
Elevation:	620 ft	Design TD (°F)		45	23
Latitude:	30°N	Relative humidity (%)		30	50
Outdoor:		Moisture difference (gr/lb)		17.8	24.9
		Heating	Cooling		
Dry bulb (°F)		25	98		
Daily range (°F)		-	20 (M)		
Wet bulb (°F)		-	74		
Wind speed (mph)		15.0	7.5		
		Infiltration:			
		Method		Simplified	
		Construction quality		Tight	
		Fireplaces		1 (Average)	

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 25.1%.

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

Recommended procedure: Average

Selected procedure: Average (auto)