

# Component Loads

**Property**  
 CELEBRATION DEVELOPMENT  
 GROUP  
 51 WILMER LANE  
 GUILFORD, CT

**Organization**  
 RPM ENERGY SOLUTIONS LLC  
 203-288-1231  
 V-CASTELLON

**HERS**  
 Confirmed Rating  
 11-08-15  
 Rating No: 105  
 ID: 1069644

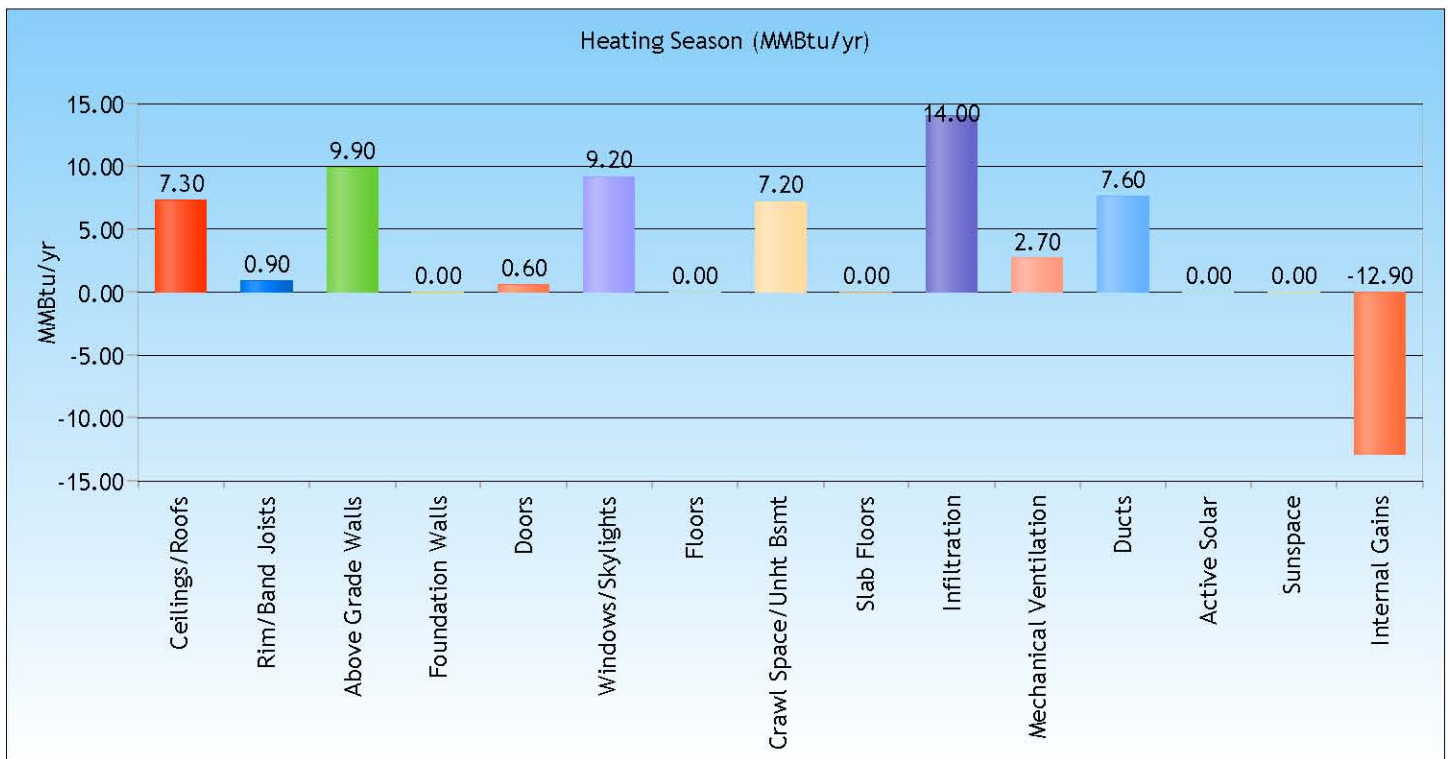


Weather: Hartford, CT  
 51 WILMER LANE.blg

**Builder**  
 BILL FREEMAN

## Heating Season

	MMBtu/yr
Ceilings/Roofs	7.3
Rim/Band Joists	0.9
Above Grade Walls	9.9
Foundation Walls	0.0
Doors	0.6
Windows/Skylights	9.2
Floors	0.0
Crawl Space/Unht Bsmt	7.2
Slab Floors	0.0
Infiltration	14.0
Mechanical Ventilation	2.7
Ducts	7.6
Active Solar	0.0
Sunspace	0.0
Internal Gains	-12.9
<b>Total</b>	<b>46.5</b>



**REM/Rate - Residential Energy Analysis and Rating Software v14.6.1**

This information does not constitute any warranty of energy cost or savings.

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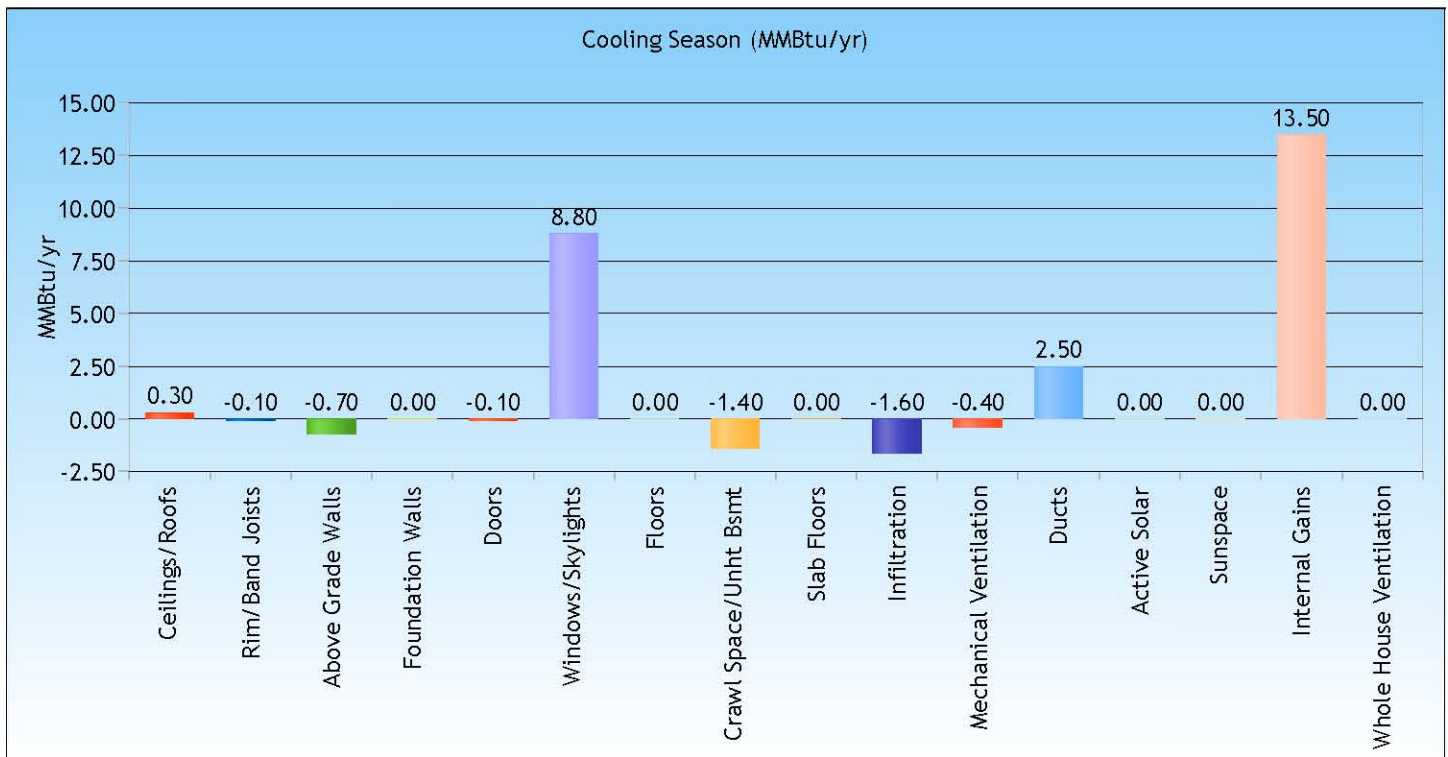


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**Builder**  
 BILL FREEMAN

## Cooling Season

	MMBtu/yr
Ceilings/Roofs	0.3
Rim/Band Joists	-0.1
Above Grade Walls	-0.7
Foundation Walls	0.0
Doors	-0.1
Windows/Skylights	8.8
Floors	0.0
Crawl Space/Unht Bsmt	-1.4
Slab Floors	0.0
Infiltration	-1.6
Mechanical Ventilation	-0.4
Ducts	2.5
Active Solar	0.0
Sunspace	0.0
Internal Gains	13.5
Whole House Ventilation	0.0
<b>Total</b>	<b>20.8</b>



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# Equipment Sizing

## Property

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## HERS

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Weather: Hartford, CT  
51 WILMER LANE.blg

## Builder

BILL FREEMAN

## Heating

Calculated Peak Load (kBtu/hr)	41.1
Infiltration	6.1
Envelope	35.0
Sizing Factor (%)	100.0
Heating Equipment Capacity(kBtu/hr)	
Required	41.1
Specified	78.0

## Cooling

Calculated Peak Load (kBtu/hr)	21.3
Sensible	18.6
Latent	2.7
SHF	0.9
Sizing Factor(%)	100.0
Cooling Equipment Capacity (kBtu/hr)	
Required Total	21.3
Specified Total	34.0
Specified SHF	0.7
Required Sensible	18.59
Specified Sensible	23.80
Required Latent	2.75
Specified Latent	10.20

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