

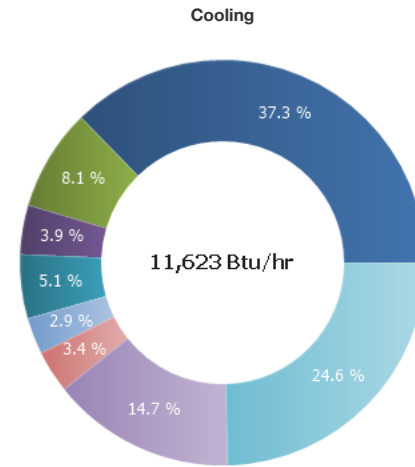
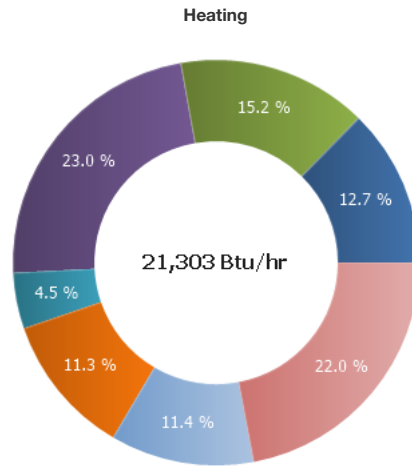
✓ Values successfully saved.

Site Information

Contractor Name	Ryan Richards	Contractor Company	Brooksabend
Project Name	Red barn	Subdivision	
Address 1		Lot Number	
Address 2		Plan/Model Number	
State/Province	Massachusetts	Builder	
Zip/Postal Code	01351	Year	2023
Default Insulation Level	2x6 super insulated	Weather Location	Greenfield

Component Loads

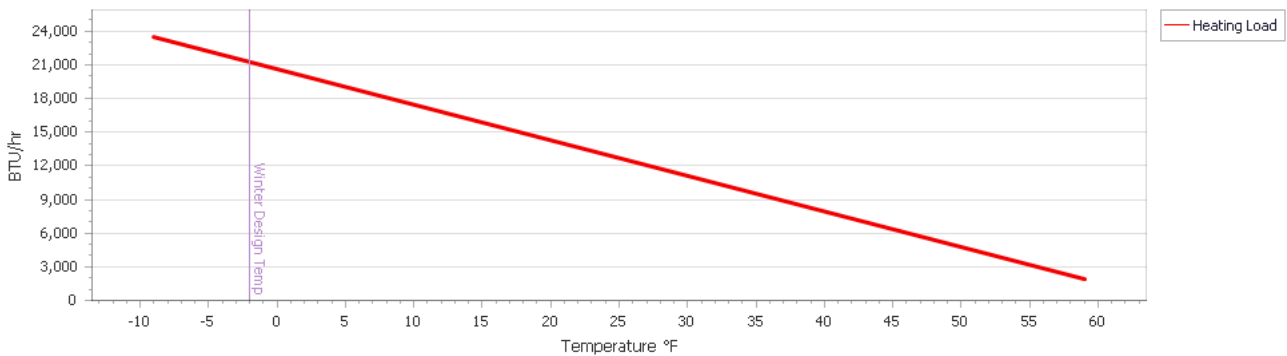
	Heating	Cooling	Color
Windows	2,696	4,336	
Skylights	0	0	
Doors	3,228	942	
Walls	4,897	456	
Ceiling	949	593	
Floors	2,403	0	
Ventilation	2,436	338	
Infiltration	4,694	391	
Ducts	0	0	
Additional Blower		1,707	
Internal Gains		2,860	
Total:	21,303	11,623	



Room Data and Loads

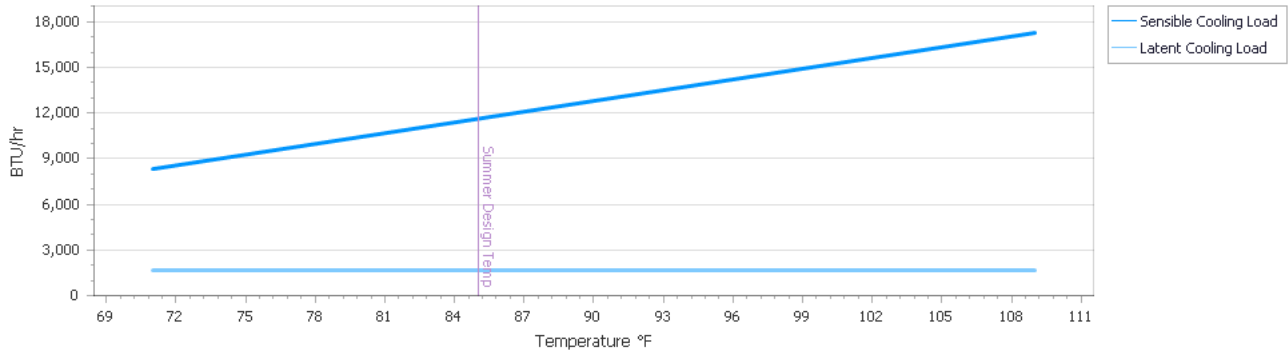
Heating

Balance Point (the heating output did not intersect with the required heating in the temperature range specified)

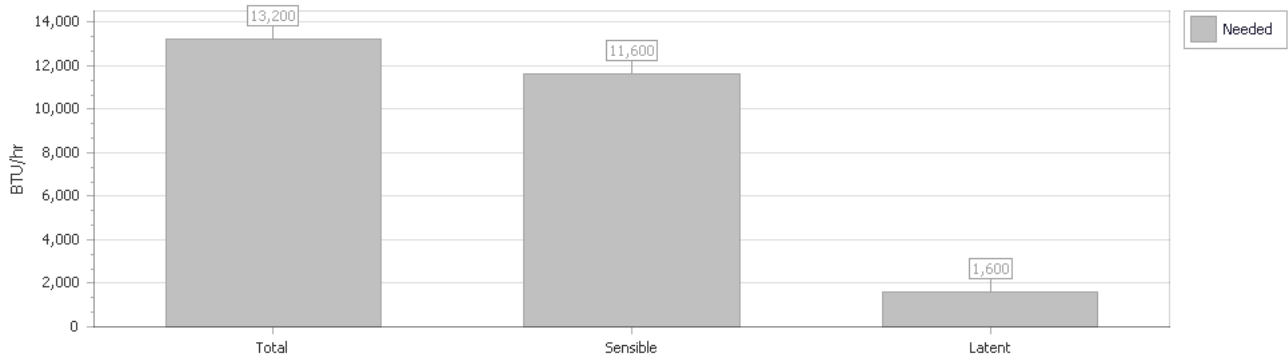


Cooling

Balance Point (balance point not found)



Required Cooling at Summer Design Temp (85°)



HVAC Design and Actual System Data

Heating System Cooling System

	Manufacturer	Model	Nominal size (BTU/hr)
Furnace	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heat Pump or AC Condenser	<input type="text"/>	<input type="text"/>	<input type="text"/>
Fan Coil	<input type="text"/>	<input type="text"/>	<input type="text"/>

	Calculated	Specified
Total Heating Load	<input type="text" value="21,300"/>	<input type="text" value="0"/>
Sensible Cooling Load	<input type="text" value="11,600"/>	<input type="text"/>
Latent Cooling Load	<input type="text" value="1,600"/>	<input type="text"/>
Sensible Ratio	<input type="text" value="0.88"/>	<input type="text"/>
	Heating	Cooling
Blower Default (CFM)	<input type="text" value="213"/>	<input type="text" value="604"/>
Blower Override (CFM)	<input type="text"/>	<input type="text"/>

Building Characteristics

Conditioned Floor Area (sqft)	<input type="text" value="1,600"/>	Slab on Grade %	<input type="text" value="100"/>
Total Room Area	<input type="text" value="1,549"/>	Conditioned Basement %	<input type="text" value="0"/>
Wall Height	<input type="text" value="8.0"/>	Unconditioned Basement or Crawl Space %	<input type="text" value="0"/>
Bedrooms	<input type="text" value="1"/>		

Window Orientation

Total Window Square Footage (sqft)	<input type="text" value="318"/>
Total Room (Floor) Square Footage (sqft)	<input type="text" value="1,549"/>
Total Window to Floor Ratio (%)	<input type="text" value="20.5 %"/>

Duct Characteristics

Duct Material	<input type="text" value="Wire Helix (flex)"/>	Blower CFM	<input type="text" value="213"/>
Attic %	<input type="text" value="0"/>	Max CFM/Register	<input type="text" value="125"/>
Conditioned Area %	<input type="text" value="0"/>	Friction Rate	<input type="text"/>
TEL Calculated	<input type="text" value="0"/>	Unconditioned Basement or Crawl Space %	<input type="text" value="0"/>
TEL Override	<input type="text" value="0"/>		

Building Data

	Selected	Override		Selected	Override
Heating 99% Dry Bulb	<input type="text" value="-2"/>	<input type="text"/>	Additional Blower Load	<input type="text" value="1707"/>	<input type="text"/>
Cooling 1% Dry Bulb	<input type="text" value="85"/>	<input type="text"/>	Internal Shade Coefficient	<input type="text" value="1.0"/>	<input type="text"/>
Winter Thermostat Setpoint (°F)	<input type="text" value="70"/>	<input type="text"/>	Ceiling U-Value	<input type="text" value="0.026"/>	<input type="text" value="estimated R-60"/>
Summer Thermostat Setpoint (°F)	<input type="text" value="75"/>	<input type="text"/>	Floor U-Value	<input type="text" value="0.031"/>	<input type="text" value="Frame Floor R-0"/>
Daily Range	<input type="text" value="Medium"/>	<input type="text" value="None"/>	Wall U-Value	<input type="text" value="0.045"/>	<input type="text" value="ICF R-26 to R-30"/>
Summer Design Grains	<input type="text" value="27"/>	<input type="text"/>	Basement Wall U-Value	<input type="text" value="0.060"/>	<input type="text" value="None"/>
Elevation (ft)	<input type="text" value="250"/>	<input type="text"/>	Basement Floor U-Value	<input type="text" value="0.025"/>	<input type="text" value="None"/>
Latitude (°N)	<input type="text" value="42"/>	<input type="text"/>	Slab U-Value	<input type="text" value="0.740"/>	<input type="text" value="Slab, Horiz&Vert R-15"/>
Indoor RH	<input type="text" value="50"/>	<input type="text"/>	Door U-Value	<input type="text" value="0.200"/>	<input type="text" value="0.472"/>
Number of People	<input type="text" value="2"/>	<input type="text"/>	Window U-Value	<input type="text" value="0.300"/>	<input type="text" value="0.200"/>
Appliance/Lighting Load (BTU/hr)	<input type="text" value="2,400"/>	<input type="text"/>	Window SHGC	<input type="text" value="0.400"/>	<input type="text" value="0.300"/>
Internal Gains	<input type="text" value="2,860"/>	<input type="text" value="2,860"/>	Duct Insulation	<input type="text" value="(R-8)"/>	<input type="text" value="None"/>
Ventilation CFM	<input type="text" value="31"/>	<input type="text"/>	Duct Leakage	<input type="text" value="Tight"/>	<input type="text" value="None"/>
Heating Duct Multiplier	<input type="text" value="0 %"/>	<input type="text"/>	Heating ACH	<input type="text" value="0.250"/>	<input type="text"/>
Cooling Duct Multiplier	<input type="text" value="0 %"/>	<input type="text"/>	Cooling ACH	<input type="text" value="0.150"/>	<input type="text"/>
% Basement Below Grade	<input type="text" value="75 %"/>	<input type="text" value="0 %"/>			
ASHRAE 152 Duct area default	<input type="checkbox"/>				
Heated slab on grade	<input type="checkbox"/>				

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