

Apartment Unit Cooling Load Calculation Worksheet

Project Name

Apartment Unit #

Date

Prepared by

Room/Area Information

Room/Area	Length (ft)	Width (ft)	Ceiling Height (ft)	Area (sqft)	Volume (cuft)

Envelope Heat Gains

Component	Area (sqft)	Orientation	U-Value	Cooling Load (BTUh)
Exterior Walls				
Windows				
Roof/Ceiling				
Doors				

Internal Heat Gains

Component	Quantity	Sensible (BTUh)	Latent (BTUh)
People			
Lighting			
Appliances/Equipment			
Cooking			

Ventilation & Infiltration

Source	Amount (CFM)	Sensible (BTUh)	Latent (BTUh)
Ventilation			
Infiltration			

Summary

Description	Sensible (BTUh)	Latent (BTUh)	Total (BTUh)
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Envelope Gains			
Internal Gains			
Ventilation & Infiltration			
Grand Total Cooling Load			