

Infiltration – Unconditioned Space Infiltration

If the unconditioned space is vented and is the primary location of the ductwork, use 2.0 ACH. Otherwise, use the defaults listed in the table below.

Vented Attic (ACH)	1.0	Unvented Crawlspace (ACH)	0.2
Vented Crawlspace (ACH)	0.5	Unconditioned Basement (ACH)	0.2
Unvented Attic (ACH)	0.2	Garage (ACH)	1.0

Walls / Surfaces

Typical Surfaces	TREAT Surface Code
Slab-on-Grade	Code 63
Uninsulated 2x4 Wall	Code 1
Uninsulated Floor Above Unconditioned Space	Code 328
Uninsulated Ceiling Adjacent to Attic	Code 110
Crawlspace Dirt Floor	Code 751
Uninsulated Crawlspace Walls	Code 23
Uninsulated Attic Roof	Code 375
Insulated 2x4 Wall	Code 3
Insulated 2x6 Wall	Code 13

Heating/Cooling Ductwork Total Leakage

Qualitative Assessment of Ducts	CFM25 Supply	CFM25 Return
Very Leaky	225	225
Leaky	154	154
Average	83	83
Tight	23	23

Thermostat Settings

Heating = 68.7F, no setback schedule	Cooling = 76.0F, no setup schedule
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Domestic Hot Water

Supply Temperature = 130F	Estimated Demand = 30 Gallons/day per person
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Domestic Hot Water Piping R-Value

Piping in Attic or Crawlspace = R-3	Piping in Basement or Conditioned Space = R-0
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Appliances

Model the clothes dryer regardless of fuel type and model the cooking range if it uses gas. Only model those electric appliances that will be replaced (eg refrigerators), all other electric appliances and plugload should be modeled as one misc electric load (MEL) input as given the table below. If there is better information about the electric baseload in the home (eg annual electricity usage, average per month), that data should be used in place of the MEL calculation below.

Misc Electric Load, MEL Usage (kWh)	$2.9 * \text{Cond Floor Area}$
MEL Location	Conditioned Space
% Heat Loss to Space	100%
Quantity	1