

Design Indoor Cooling Temp. : 72 °F

Design Indoor Heating Temp. : 72 °F

Design Outdoor Cooling Temp. : 90 °F

Design Outdoor Heating Temp. : 5 °F

Temp. Difference Cooling : 18°F

Area: Detroit, MI

Temp. Difference Heating : 67° F

Indoor Humidity: 50 Grains difference: 31

Front Door Orientation North West

Block Load

Whole House Block Load

TD:Cool:18°F Heat:67°F	Sq. ft. -types 1 and 2	shading	Sq. ft.- types 1 and 2	shading	Sq. ft.- types 1 and 2		Sq. ft.
Outside Wall: North	1: 340 2: <input type="text"/>	Windows →	1: 25 2: <input type="text"/>	Glass Doors x	1: <input type="text"/> 2: <input type="text"/>	Doors	24
Outside Wall: South	1: 340 2: <input type="text"/>	Windows ↕	1: 30 2: <input type="text"/>	Glass Doors ↕	1: <input type="text"/> 2: <input type="text"/>	Doors	<input type="text"/>
Outside Wall: E & W	1: <input type="text"/> 2: <input type="text"/>	Windows ↕	1: <input type="text"/> 2: <input type="text"/>	Glass Doors ↕	1: <input type="text"/> 2: <input type="text"/>	Doors	<input type="text"/>
Outside Wall: NE & NW	1: 260 2: <input type="text"/>	Windows →	1: 50 2: <input type="text"/>	Glass Doors x	1: 42 2: <input type="text"/>	Doors	<input type="text"/>
Outside Wall: SE & SW	1: 260 2: <input type="text"/>	Windows ↕	1: 40 2: <input type="text"/>	Glass Doors ↕	1: <input type="text"/> 2: <input type="text"/>	Doors	<input type="text"/>
Floor - (linear ft. if slab)	1: 760 2: <input type="text"/>	Ceiling	1: 900 2: <input type="text"/>	Appliances 1	Fireplaces C ↕		
Sky Lights	N: <input type="text"/> S: <input type="text"/>	E-W: <input type="text"/>	NE-NW: <input type="text"/>	SE-SW: 2			
Number of People	2	Conditioned Sq. ft.	760	Cubic Ft.	7600		

Basement	Above grade: Walls <input type="text"/> Cubic Ft. <input type="text"/>	Below grade: walls <input type="text"/> Floor <input type="text"/> sq. ft. width 23ft. or ↕ below: 2 ft. ↕
Fresh air recommended: 4cfm → <input type="text"/> CFM		Construction: average ↕
Duct system: ----- ↕ ----- ↕ ----- ↕		
Calculate Load	Total Btu's Cooling 17699	Sensible Load 16470
	Latent Load 1229	Total Btu's Heating 24250

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Btu breakdown

	Sensible	Latent	Heating
walls	1914		5699
windows	6490		5538
ceilings	2337		2955
doors	271		627
floors	599		2225
appliances	1200		
people	460	400	
glass doors	2134		1576
skylights	287		107
basement walls	0		0
basement floor	0		0
infiltration	778	829	5524
fresh air	0	0	0
duct load	0	0	0
Totals	16470	1229	24250

Structure types

- Outside Walls 1: Siding or Stucco R15 insulation
- Outside Walls 2:
- Windows 1: double pane no internal shade
- Windows 2:
- Glass Doors 1: double pane glass door
- Glass Doors 2:
- Floors 1: closed or vented crawl R-15 insulation
- Floor 2:
- Ceiling 1: Ceiling under attic space R-19
- Ceiling 2:
- Doors: Wood solid core
- Skylights: skylight Low E or triple 45 degree angle
- Basement Walls:
- Basement Floor:
- Win ht.: 4' 0" Overhang: 1.5' Top to overhang: 2'