

Design Conditions:

Indoor Design Heating db	72	Winter 99% db	33	HTD	39	Project:	Marks Residence
Indoor Design Cooling db	75	Summer 1% db	92	CTD	17	Address	2939 SW CR 728
Indoor Design Cooling RH	50%	Grains	54	Daily Range	Medium	City & State	Fort White FL 32038
Latitude	29	Elevation	152			Load Info	Gainesville, Florida
						Phone #	

Heat Total Glass
(Sq. Ft.)

Area
140

X Heating

Single 38.22

Double 21.84

Triple 16.38

Jalousie 38.22

Heating 2293

Cooling

Cooling Total Glass
(Sq. Ft.)

Area
72

X Cooling

Single 31

Double 22

Triple 19

Jalousie 31

Heating

1872

and
Sliding Glass Doors

Area
24

X Cooling

Single 42

Double 50

Triple 45

Jalousie 63

Heating

768

Doors

Area
78

X Cooling

Single 86

Double 71

Triple 64

Jalousie 86

Heating

4992

Doors

Area
21

X Heating

Wood 15.21

Wood/Metal Storm 10.92

Metal 13.65

Metal/Metal Storm 8.19

Heating

286

Gross Exposed Wall
(Sq. Ft.)

Area
960

X Heating

0 Insul 9.36

R-11 3.78

R-13 3.55

R-19 2.65

Heating

2836

Net Wall Frame-Siding
Exposed Wall less
glass and doors totals

Area
799

X Heating

0 Insul 9.36

R-11 3.78

R-13 3.55

R-19 2.65

Heating

1741

Wood Studs
No Board Insulation

Area
799

X Cooling

0 Insul 9.36

R-11 3.78

R-13 3.55

R-19 2.65

Heating

1741

Net Wall (Above Grade 2")
Concrete Block
w/ board insulation
No interior finish

Area
799

X Heating

0 Insul 9.36

R-11 3.78

R-13 3.55

R-19 2.65

Heating

1741

Net Wall (8" Below Grade)
Concrete Block
w/ board insulation
No interior finish

Area
799

X Heating

0 Insul 9.36

R-11 3.78

R-13 3.55

R-19 2.65

Heating

1741

Ceiling (Sq. Ft.)
(Under Attic or Attic Knee Wall)
Attic Temperature 150°
Any Roofing Material

Area
884

X Heating

None 15.91

R19, 6" 1.91

R30, 10" 1.25

R38, 12" 1.01

Heating

1105

Ceiling (Sq. Ft.)
Ceiling below Roof Joists
Dark or Bold Color Asphalt
Shingle Deck Construction

Area
884

X Heating

None 15.91

R19, 6" 1.91

R30, 10" 1.25

R38, 12" 1.01

Heating

1105

Basement Floor
(2 or More Feet Below Grade)

Area
0.86

X Heating

None 15.91

R19, 6" 1.91

R30, 10" 1.25

R38, 12" 1.01

Heating

1105

20' Shortest Side									
Slab on Grade									
Heavy Dry or Light Wet Soil									
Vertical Edge Insul 3' below grade									
Floor Over Open Crawl									
Space or Garage									
Linear Ft. 120 Width X Length = Area									
0 Insul 53.0 R-5 17.5 R-10 13.8 R-15 12.2									
0 Insul 20.3 R-11 3.0 R-19 2.0 R-30 1.4									
28.1 7.5 2.7 1.9									
0 Insul 7.38 R-11 3.36 R-19 2.50 R-30 1.87									
1.92 0.47 0.32 0.22									
2100									
1443									
306									
690									
1200									
13224									
1983									
10063									
905									
1707									
16914									
660									
600									
972									
2232									
19146									
2 Ton									