

Project HVAC Calculations
Camp Villiere Post Commander House
Thu Sep 22 09:52:31 CDT 2016

The Btuh Gain for North and Shaded Double Pane Glass = 1500

There is no calculation for NorthEast and NorthWest Glass

The Btuh Gain for East and West Double Pane Glass = 6175

There is no calculation for SouthEast and SouthWest Glass

The Btuh Gain for South Double Pane Glass = 4760

There is no calculation for SkyLights

There is no calculation for Windows in Doors

The Btuh Gain for Wall Number 1 = 3673.8

There is no calculation for Wall Number 2

There is no calculation for Wall Number 3

There is no calculation for Wall Number 4

The Btuh Gain for Ceiling Number 1 = 11480

The Btuh Gain for Floor Number 1 = 10780

There is no calculation for Floor Number 2

There is no calculation for Ventilation

The Btuh Gain for People = 30

There is no calculation for Motor HP

The Btuh Gain for Ducts Out of Conditioned Spaces = 4.6

The Btuh Gain for Lighting in an Office = 4200

There is no calculation for Coffee Machines

There is no calculation for Electric Food Warmers

There is no calculation for Gas Food Warmers

There is no calculation for Electric Fry Kettle

There is no calculation for Gas Fry Kettle

There is no calculation for Electric Griddle

There is no calculation for Gas Griddle

There is no calculation for Hair Dryer Helmets

There is no calculation for 4-Slice Toaster

There is no calculation for Fresh Air #1

There is no calculation for Fresh Air #2

There is no calculation for Fresh Air #3

The Reception Area Fresh Air #4 = 45 cfm

The Btuh Gain for Fresh Air #4 = 0.1125

There is no calculation for Fresh Air #5

There is no calculation for Fresh Air #6

The Total wattages for Appliances = 0

The BTUh Gain for Appliances = 0

The Total BTUh Gain = 42603.4

The Total Tons of HVAC needed = 3.55028333333333