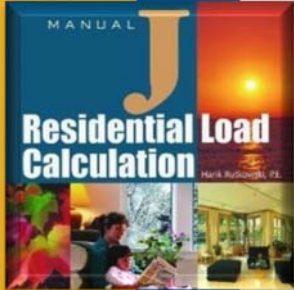


Manual J Plan Review Guidelines



The following items are reviewed for accuracy to the submitted plans:

- Solar orientation (the homes alignment in relation to the sun)
- Floor plan layout matches submitted plan drawings
- Total square feet of the home matches submitted plan drawings
- Windows
 - Location
 - Size
 - U-Value
 - Solar Heat Gain Coefficient [SHGC]
- Wall construction type and R-value
- Ceiling:
 - Heights
 - Construction type and R-value
- Floor construction type and R-value
- Occupant load (2 per master 1 ea. per additional sleeping room)



The following items are reviewed to meet design criteria requirements:

- Equipment capacities satisfy entire designed loads
- Outdoor dry bulb is accurate for this climate (location)
- Indoor dry bulb design
- CFM value for central vent (fresh air)
- Infiltration method/construction quality
- Appliance/other loads are included
- Duct design:
 - Velocity
 - Design friction rate
 - Return air pathways are indicated for sleeping rooms

