

# MANUAL S, J & D Plan Review Requirements

The following items will be verified by the Mechanical Plans Examiner when a copy of the Manual S, J & D report has been submitted to the Division of Building Safety. The items that will be verified have been established in order to ensure that the proposed heating and cooling equipment, load calculations and duct design (*if applicable*) are in accordance with ACCA Manual S, J & D standards or other approved methodologies as required by the International Residential Code.

If any design criteria are not in accordance with the approved methodologies, then corrections will be required and a revised Manual S, J & D report shall be resubmitted prior to HVAC inspections.

**Design Conditions:** the following conditions are in accordance with the Manual J

- Location & Elevation
- Outdoor Design Dry Bulb & Wet Bulb
- Indoor Design Dry Bulb
- Indoor Relative Humidity
- Entering Coil Dry & Wet Bulb

**Equipment Selection:** the following equipment information provided is in accordance with the Manual S

- Efficiency Ratings Applied to all Equipment Outputs
- Design Condition Criteria Applied to all Equipment Outputs
- Air Flow, Static Pressures & Load Sensible Heat Ratio are all adequate for the proposed Equipment & Conditions

**Load Calculations:** the following loads have been accurately designed in accordance with the Manual J

- Adequate Design of Practical Construction of Building Components (Walls, Floors, Windows, Ceilings, etc.)
- Construction Quality / Infiltration
- Mechanical Ventilation Load
- Occupant Loads (*if applicable*)
- Equipment Location & Duct Loads (*if applicable*)
- House Floor Plan with Solar Orientation Indicated

**House Mechanical Design:** the mechanical design serving the residence is in accordance with the Manual D

- Equipment Locations Identified
- Mechanical Ventilation Method Indicated
- Adequate Design of Ductwork and Registers (*if applicable*)
- Adequate Design of Static Pressures & Airflows (*if applicable*)