



Scope of Services & Descriptions

Residential and Commercial Projects

Residential		Commercial	
Name	Description	Name	Description
Manual J	Load calculation which determines the size of tonnage needed to proper cool the structure. Procedures are based on ACCA Manual J 8 th edition version two and completed ROOM by ROOM in actual orientation of structure.	Manual N	Load calculation which determines the size of tonnage needed to proper cool the structure. Procedures are based on ACCA Manual N and completed ROOM by ROOM in actual orientation of structure.
Energy Calculation	Determines whether the structure complies with the States Energy Code Requirements. Procedures are based on State of Florida Energy Code Program.	Energy Calculation	Determines whether the structure complies with the States Energy Code Requirements. Procedures are based on State of Florida Energy Code Program.
Manual D	Duct sizing calculations specifying duct trunk and branch sizes and cfm requirements per room. Procedures are based on ACCA Manual D Residential Duct Systems. Equipment is selected based on ACCA Manual S - Equipment Selection & Manual T – Air Distribution.	Manual D or Q	Duct sizing calculations specifying duct trunk and branch sizes and cfm requirements per room. Procedures are based on ACCA Manual D and Manual Q Duct Systems. Equipment is selected based on ACCA Manual S - Equipment Selection & Manual T – Air Distribution.
Duct Layout	Duct drawing showing sizing requirements based on the Manual D duct sizing calculations procedure.	Duct Layout	Duct drawing showing sizing requirements based on the Manual D & Q duct sizing calculations procedure.
Installation details	Location of condensation drain lines, refrigerant lines, ventilation, air handler details, duct strapping details, outside air requirements, etc.	Installation details	Location of condensation drain lines, refrigerant lines, ventilation, air handler details, duct strapping details, condensing unit anchorage, Ashrae 62 compliance statement, air balance schedule, outside air requirements, etc.
Engineer Seal	Professional Engineer Seal on Energy Calculations and or Duct Layout	Engineer Seal	Professional Engineer Seal on Energy Calculations and or design documents