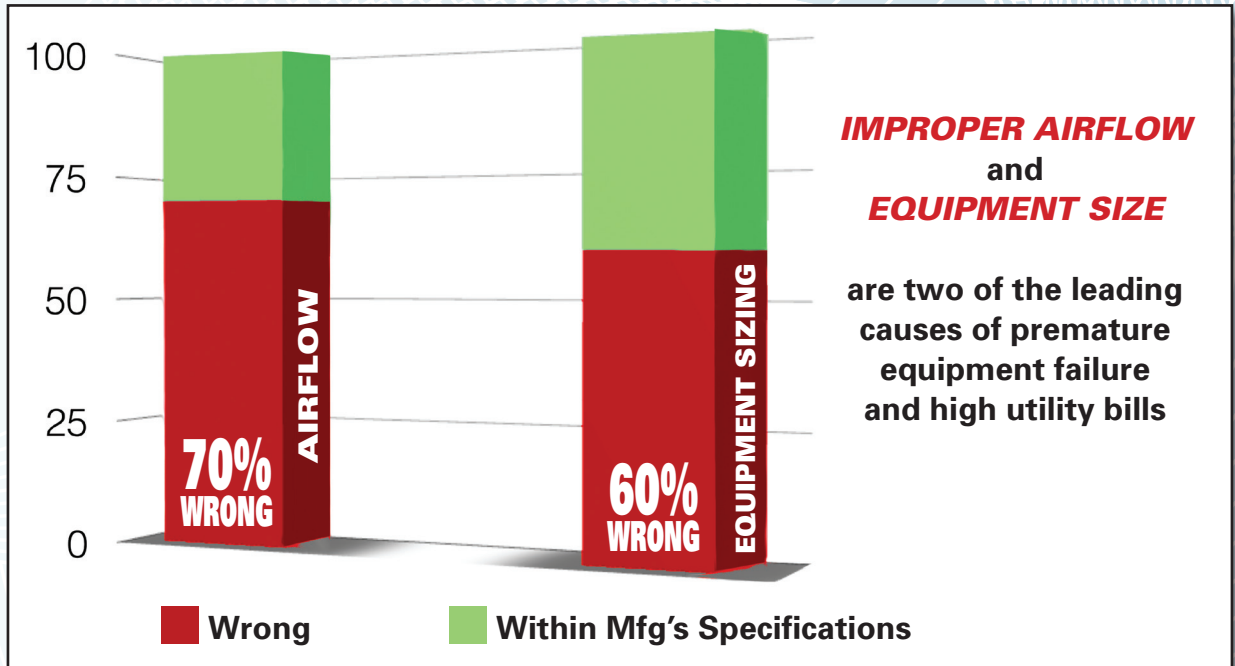


ARE YOU GOING TO GET WHAT YOU PAID FOR?

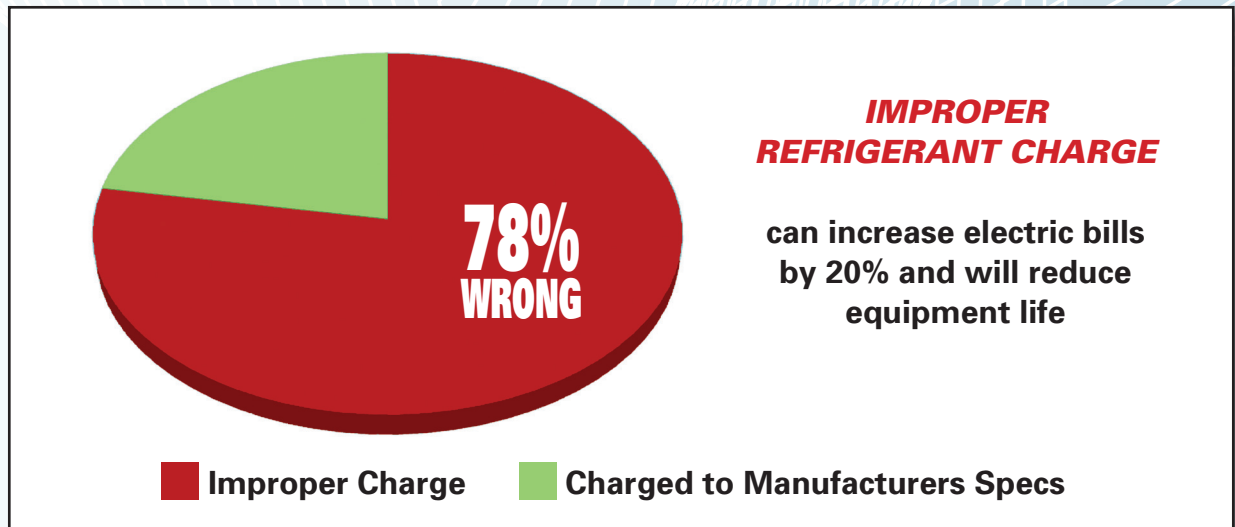
90% OF UNITS AREN'T INSTALLED PROPERLY

Multiple independent studies have found that 90% of brand new installations exhibited some sort of problem that *wasted energy, reduced equipment life, or robbed comfort.*

COMMON INSTALLATION DEFICIENCIES



IMPORTANCE OF PROPER START UP

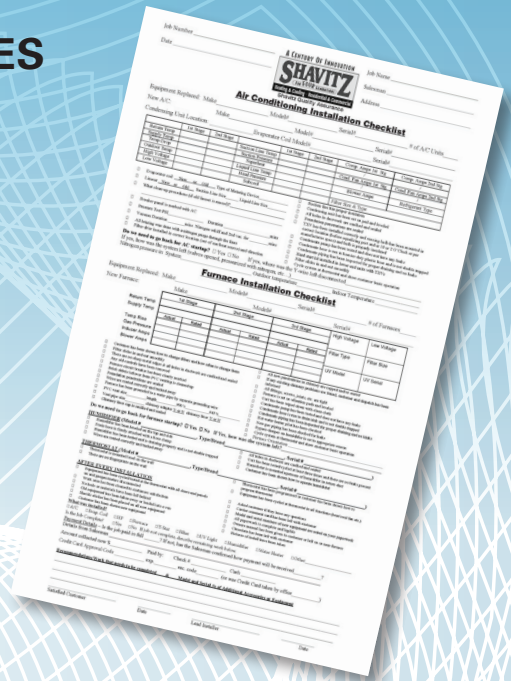


Information above reference studies performed by North Carolina Energy Corporation, Texas A&M University, Louisiana State University & Gulf States Utility, Lakeland Electric & Water, Pacific Gas & Electric, American Council for an Energy Efficient Economy, etc. These studies address at least one problem a poor installation plays on comfort or energy cost. Occurrences have been averaged.

A QUALITY SHAVITZ INSTALLATION GUARANTEE!

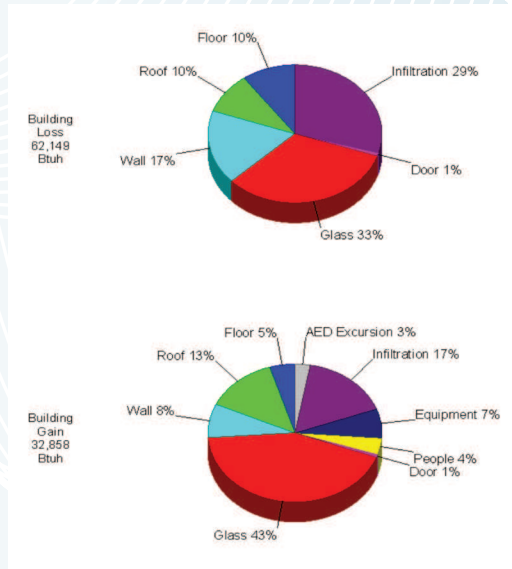
OUR DETAILED CHECKLIST ASSURES INSTALLATIONS MEET OR EXCEED MANUFACTURE SPECIFICATIONS ON EVERY JOB!

- **TECHNICIANS AND INSTALLERS GET 70+ HOURS PER YEAR OF CONTINUING EDUCATION**
- **PROJECT MANAGER FOR EVERY JOB**



HEAT LOAD MANUAL J CALCULATION

No guessing involved, we measure your home to properly size your equipment enhancing comfort and cutting down utility bills.



Elite Software Development, Inc. Caryn C Page 2

Rhvac - Residential & Light Commercial HVAC Loads
Shavitz HVAC
Slovak, IL 60077

Project Report

General Project Information

Project Title: Caryn C
Project Date: Saturday, August 24, 2013

Design Data

Reference City: Chicago, Illinois
Building Orientation: Front door faces North
Daily Temperature Range: Low
Latitude: 41 Degrees
Elevation: 658 ft.
Altitude Factor: 0.976

	Outdoor Dry Bulb	Outdoor Wet Bulb	Outdoor Rel Hum	Indoor Rel Hum	Indoor Dry Bulb	Grains Difference
Winter:	-10	-4.56	100%	n/a	70	n/a
Summer:	100	74	30%	50%	75	21

Check Figures

Total Building Supply CFM: 1,954 CFM Per Square ft.: 0.603
 Square ft. of Room Area: 3,240 Square ft. Per Ton: 900
 Volume (ft³) of Cond. Space: 26,865

Building Loads

Total Heating Required Including Ventilation Air: 87,723 Btuh 87,723 MBH
 Total Sensible Gain: 41,977 Btuh 97 %
 Total Latent Gain: 1,238 Btuh 3 %
 Total Cooling Required Including Ventilation Air: 43,215 Btuh 3.60 Tons (Based On Sensible + Latent)

Notes

Rhvac is an ACCA approved Manual J and Manual D computer program. Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D. All computed results are estimates as building use and weather may vary. Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.

A CENTURY OF INNOVATION



Heating & Cooling • Residential & Commercial

847-678-1000

www.shavitz.com