



# LENNOX Training Services

Job Related Training  
Northeastern U.S.

PW112801-10

Mr. Jim Clark  
City of Rapid City  
300 6<sup>th</sup> Street  
Rapid City, SD 57701

November 20, 2001

Dear Mr. Clark,

Lennox Training Services has committed to conduct our 1(A) Residential Application and Design class for the Rapid City Building Inspections Department March 5<sup>th</sup> through 8<sup>th</sup>, 2002. A description of the class is included for your reference in the enclosed training packet.

The following stipulations apply:

- The cost is \$499.00 per student and includes books, materials, refreshments and tuition. Even though the cost of this class has increased for Lennox dealers, Mr. Seibert started negotiations for this training prior to the increase so we will honor the older quoted price.
- The cost per student *includes* all instructor expenses (travel, lodging, meals, etc.). This is how Lennox markets all of the established classes in our training venue throughout North America. Only customized classes can be broken down further.
- Classes will begin at 8:00 a.m. on March 5<sup>th</sup> and continue until noon on March 8<sup>th</sup>. It is a three and-a-half day class.
- The class should be limited to twenty students but more can be added up to April 26, 2002. This will allow time to ship additional material packets.
- Because of the special pricing, we require a minimum of fourteen committed students for this class. If the Building Inspections Department cannot field fourteen students, we will try to fill out the class with students from our Lennox dealer base at no cost to you.
- Lennox Training Services will provide two fully qualified instructors if the class exceeds fourteen students to insure they all get the individual attention they need. There will be no additional charge for the added instructor.

We will need access to the classroom and associated facilities on March 4<sup>th</sup> for setup of the class.

Please feel free to contact me at any time if you have further concerns.

Sincerely,

Rob George



Job Related Training

**1(A)**  
PW112801-10  
**Residential**

## Application & Design

### OVERVIEW

The Lennox 1(A) course teaches the application and design of residential heating and cooling systems, using industry-accepted procedures and practices. Students learn to calculate heating and cooling loads; select the proper equipment; select and locate diffusers and grilles; and size a duct system. The course includes exercises using typical residential home plans so that students can apply the information learned.

### COURSE CONTENT

- Total Comfort
- Basic Psychometrics
- Infiltration
- Heat Loss / Heat Gain Load Calculation - ACCA Manual J (Long form)
- Equipment Selection
- Determining Total Heating and Cooling CFM
- Distributing CFM Room by Room
- Diffuser - Selection / Sizing / Location
- Air Distribution - ACCA Manual T
- System Design - ACCA Manual D
- System Duct Sizing Procedures
- Sizing
- System Balancing
- Short Form Load Calculations

NOTE: This course is available in the U.S. only.

PREREQUISITES	LENGTH
None	4 days

On the Web:  
[www.lennoxdagenet.com](http://www.lennoxdagenet.com)

**LENNOX** TRAINING SERVICES  
1-800-654-DAVE