

## **Course Instructions**

**NOTE**: The following page contains a preview of the final exam. This final exam is identical to the final exam that you will take online <u>after you purchase the course</u>.

After you purchase the course online, you will be taken to a receipt page online which will have the following link: Click Here to Take Online Exam. You will then click on this link to take the final exam.

## 3 Easy Steps to Complete the Course:

- 1.) Read the Course PDF download from our website
- 2.) Purchase the Course Online & Take the Final Exam see note above
- 3.) Print Out Your Certificate

## **Building Envelope Impact on HVAC Energy Use - Final Exam**

1.) Past simulation studies, as per the abstract,

have shown that commercial building

A) significant heating and cooling loads

D) a decrease in heating and cooling loads

mechanical system freeze-ups

poor indoor air quality

envelope leakage can result in

6.) Regarding airflow models, about

airtightness level.

6

30

80

A) 1

B)

C)

D)

tested buildings listed in Appendix A would meet the  $1.2 \text{ L/s-m}^2$  (0.24 cfm/ft<sup>2</sup>) selected target

% of the

th	Which of the following building types, as per the abstract, was not part of this study?	7.)	According to table 6, office buildings in which city would have highest savings in dollars?		
A) B) C) D)	office building retail building			A) B) C) D)	Miami Bismarck St. Louis Minneapolis
3.) AS	SHRAE stands for:	8)	From	tahl	le 12,had the lowest Cost of
A)	Architects and Engineers	0.)		y sa	ved x Scalar of 8 for a two story office
В)	American Standard for Heating, Radon, Architects and Engineers			A)	St. Louis
C)		rs		B) C) D)	Bismarck Phoenix Miami
D)	Refrigerating, and Air-Conditioning	•	TD1	,	
	Engineers	9.)	build	ings	s of the study showed that for office s, the annual cost savings are largest in the
bu St of	s a part of the analysis method, the apartme alding is included because the scope of andard 90.1 includes multi-family structure more thanstories above grade.		пеаш	A) B)	ominated climates.  True  False
A) B)	5		10.)		ich of the following is a true statement arding the <i>airflow models</i> in this study?
C) D)				A)	The values for the no air barrier level varied for each location, while the target and best achievable construction cases were the same for all locations.
5.) Regarding airflow models, which of the following was not one of the three different airtightness levels modeled in each building?  A) No air barrier				B)	The values for the no air barrier level were the same for each location, while the target and best achievable construction cases were varied for all locations.
B) C) D)	Target Worst achievable			C)	The values for best achievable level varied for each location, while the target and best no air barrier cases were the same for all locations.
				D)	The values for the target level varied for each location, while the no air barrier and best achievable construction cases were the same for all locations.