

BUILDING SCIENCE INDOOR ENVIRONMENTS/ INDOOR AIR QUALITY

**Panel Discussion Topics for the
Lower Cape Fear Stewardship Development Coalition 2016 Awards Luncheon
February 25, 2016**

Panelists:

Skye Dunning, Building Performance Specialists

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Discussion Questions Prepared by:
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HVAC SUPPLY AND RETURN

**What are the components of a
typical building HVAC system?**

DUCT LEAKAGE & CRAWL/ WALL/ ATTIC CONNECTIONS

**Can leakage of air cause or
exacerbate air quality problems?**

INFILTRATION/ PRESSURES

What happens when more air is exhausted than is introduced through the outdoor air intake?

AIR FILTRATION

What role does air filtration play in maintaining good indoor air quality?

POLLUTANTS

Should there be concerns about pollutants, such as paint/finishes, urea formaldehyde, cleaning chemicals, rodents/pets, and moisture/mold, entering the air?

ENVELOPE SEALING

As building envelopes become increasingly tighter, will alternative means of ventilation become necessary to maintain healthy indoor air quality?

PRESSURE BALANCING

What is involved in testing and balancing of HVAC system components and why is it important?

FILTRATION

What types of filters are typically recommended for optimal indoor air quality (MERV 8 or higher)?

FAV

How is fresh air ventilation critical in maintaining healthy indoor air quality?