



# Residential Decks

## Design, Construction and Inspection

**Objective:** To provide an overview of the requirements for residential decks in the IRC and provide an overview of good deck design and construction techniques.

**Description:** Decks are considered simple structures. Yet deck related failures are responsible for a substantial number of injuries and deaths each year. This program will discuss the root causes of these problems and offer real world solutions.

This program will provide a review of IRC code requirement for residential decks and a detailed review of the use of commonly used connectors, fasteners and some commonly used proprietary products. The afternoon will focus on hands on examples including designing a residential deck, performing a detailed review deck plan to check for code compliance and a virtual inspection of a residential deck.



**Who should attend:** This course is designed for builders, remodelers, deck contractors, building officials (plan reviewers and inspectors), design professionals, home inspectors, and manufacturers and suppliers of deck related construction materials.

**Part 1** Review of common deck failures and structural overview

**Part 2** IRC Deck Requirements

- Administrative
- General life health & safety
- Structural requirements
  - Decking, joists, girders, and posts
  - Fasteners & connectors
- Footings
- Water Resistive barriers and flashing

**Part 3** Solutions outside of the IRC

- Ledger boards
- Girder spans & cantilever
- Lateral support
- Post sizing
- Guards

**Part 4** Practical examples

- Deck design example
- Plan review example
- Virtual inspection of a residential deck

**Sponsored by the Blair / Bedford Builders Association**  
**Wednesday, October 22, 2008**  
**8:30 AM – 5:00 PM**  
**Hoss's Corporate Center – Training Room (Duncansville)**

### Registration Fee

Code Officials	\$99
BBBA Members	\$99
PBA Members	\$99
Local Educators	\$99
All other registrants	\$139

### Registration form enclosed

2006 IRC Code Book and Calculator required  
Call 814-693-9710 for information or code books

*Fee includes morning baked goods, refreshments and Italian buffet lunch*

# BLAIR / BEDFORD BUILDERS ASSOCIATION

## PHRC RESIDENTIAL DECK PROGRAM

October 22, 2008

(Please print)

Name of Company/Organization : \_\_\_\_\_

Name(s) of Persons who will be attending:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_ (use back for extra space)

Mailing Address:

\_\_\_\_\_

Street

\_\_\_\_\_

Suite, Apt., etc.

\_\_\_\_\_

City

\_\_\_\_\_

State

\_\_\_\_\_

Zip

Daytime Phone ( ) \_\_\_\_ - \_\_\_\_\_

FAX ( ) \_\_\_\_ - \_\_\_\_\_

e-mail address \_\_\_\_\_

Fees:

\_\_\_\_\_ registrants (Code Officials, Educators, Blair / Bedford BA Members)

x \$99.00 each

\$ \_\_\_\_\_

\_\_\_\_\_ registrants x \$139.00 (all other registrants)

\$ \_\_\_\_\_

Total fees enclosed

\$ \_\_\_\_\_

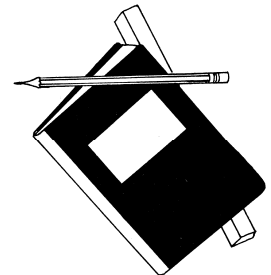
Make checks payable to: *Blair / Bedford Builders Association.*

*Payment must accompany registration*

Registration is limited to first 60 persons. Registration will be confirmed. Location and directions will be included with confirmation.

Please bring your 2006 International Residential Code Book and a calculator. If you need to purchase a code book, please contact the office at 814-693-9710.

No refunds for cancellations after October 19<sup>th</sup>. Substitutions permitted any time.



Return to: Blair / Bedford Builders Association  
101 Allegheny Street  
Hollidaysburg, PA 16648

Questions: 814-693-9710