

November 15, 1999

Mr. Barry Gardner  
Shelco, Inc.  
P. O. Box 25747  
Winston-Salem, NC 27114-5747

RE: Agenda for December 14, 1999  
Building Code Council Meeting

Dear Barry:

This is to officially notify you and other interested parties of a regularly scheduled meeting of the Building Code Council to be held at:

9:00 a.m. Tuesday, December 14, 1999  
Marriot Executive Park  
Piedmont Ballroom  
5700 Westpark Drive  
Charlotte, NC 28217  
Phone: (704) 527-9650

The Building Code Council will hold a work session on Monday December 13, 1999 at 2:30 p.m. The work session will be held at the Marriot in Salons C and D. This session is open to the public on a non-contributing basis.

Persons requiring auxiliary aid or service should notify the Council at least (10) working days prior to the meeting.

**ITEM 1. APPROVAL OF MINUTES OF THE JUNE 8, 1999  
BUILDING CODE COUNCIL MEETING.**

**MECHANICAL COMMITTEE MEETING**

The Mechanical Committee met on September 21, 1999 to discuss the following agenda item. The Committee makes the following recommendations:

**ITEM 2. REQUEST BY LARRY CAPPS TO ADD A SENTENCE TO THE END OF VOLUME I, SECTION 405.2 TO PERMIT DIRECT VENT APPLIANCES WITH A PROTECTED FLAME WITHIN PUBLIC SCHOOLS WITHOUT A 2-HR RATED ENCLOSURE.**

Add the following sentence to the end of section 405.2  
Sealed combustion fossil fuel heating appliances maybe installed without fire resistive separation in accordance with the manufacturer s installation instructions and this Code.

Committee Action: Deny.

Reason: The Committee did not approve this item due to the dangers associated with:

- a. the possibility of carbon monoxide leaks,
- b. the possibility of vandalism,
- c. the presence of increased gas piping,
- d. the greater number and location of units and,
- e. the lack of assurance of adequate maintenance.

**ITEM 3. REQUEST BY STAFF AND THE BUILDING CODE COUNCIL MECHANICAL COMMITTEE TO REWORD VOLUME I SECTION 405.2 FOR CLARITY.**

Revise Section **405.2 Public Schools.**  
Every comfort heating appliance installed within a building which produces an unprotected open flame shall be separated by two hour rated construction.  
Every fuel storage room shall be separated by two hour rated construction.  
Door openings shall be to the exterior and all penetrations to the interior of the building shall be protected.

Committee Action: Approve.

Reason: While working on Item 2 above, Committee reworded Section 405.2 in order to avoid the confusion of the existing code language. The Committee approves this language for the 2002 International Building Code.

**JOINT RESIDENTIAL AND STRUCTURAL CONSTRUCTION COMMITTEE MEETING**

**ITEM 4** The Joint Residential & Structural Committee met on November 3, 1999 to discuss the code changes proposed by the Wind Ad Hoc Committee. The Joint Residential and Structural Committee proposes that the Council adopt the Wind Ad Hoc Committee s changes with the following modification:

Redefine the 110 mph wind zone as follows

**110 MPH Wind Zone** shall include (1) areas where the wind speed is 110 mph and (2) areas within ~~the first lot but not greater than~~ 1500 feet from the shoreline in New Hanover, Dare, Brunswick, Onslow, Pender, Carteret, Currituck, Hyde, and Pamlico Counties.

**RESULTS OF THE RESIDENTIAL WIND AD HOC COMMITTEE S REVIEW OF CHAPTER 40 OF VOLUME VII. (SEE ATTACHED DRAFT)**

- A. To rewrite the anchorage and wall sheathing requirements for 90 and 100 mph wind zones (see attached draft).
- B. To delete the 100E wind zone and construction requirements.
- C. To redefine the 110 MPH wind zone as follows (see attached map):  
**110 MPH Wind Zone** shall include (1) areas where the wind speed is 110 mph and (2) areas within the first lot but not greater than 1500 feet from the shoreline in New Hanover, Dare, Brunswick, Onslow, Pender, Carteret, Currituck, Hyde, and Pamlico Counties.
- D. To revise the nailing schedule in Figure 4006.7a, to add an entry for the 100 mph wind zone when the overhang is extended from 12 to 17 . The nailing of the roof sheathing to the end rafter (Mark 1 nailing) will be revised from 4 to 3 on center.
- E. To revise the following text in the 90, 100 & 110 mph wind zone Chapter 40.
  - (1) Update Standard reference in Section 4005.1 from ~~NFoPA~~ to **AF&PA**.

(2) Add a sentence to the end of Section 4006.7 that reads, Overhangs shall be measured from the face of the framing to the exterior surface of the fascia.

F. In 110 mph wind zones to add the following shingle requirement (see attached drawings):

**4009 Composite Roof Covering**

**4009.1** Roof coverings shall be tested, rated, and labeled for the appropriate wind zone.

**4009.2 Shingles.** Asphalt/Composite shingles shall be tested and rated based on the procedures of ASTM D3161, UL 977, ASTM D3462 or Miami-Dade Protocol PA-100. Where the published standard does not have values appropriate for 110 mph wind zones (Based on Fastest Mile Designation) the standard s procedures shall be adjusted to 110 miles per hour for the higher wind speeds. The test shall be run by an independent laboratory. Each bundle of shingles shall be labeled by the manufacturer to indicate the wind speed for which the shingles are rated, the test procedure, and the report designation on which the rating is based. Copies of the test reports with the installation description must be provided to the local inspection department when requested. Material must be installed consistent with the installation that was tested.

**Exception:** Asphalt/composite shingles and underlayment installed in accordance with Chapter 9 and Figures 4009.1 thru 4009.3 do not have to be rated and labeled for the wind zone.

Committee Action: Approved As Modified for inclusion in the 2002 North Carolina Residential Code.

Reason: Redefine the 110 mph wind zone. The definition as proposed by the Wind Ad Hoc Committee is confusing, and would be difficult to enforce uniformly.

**ELECTRICAL COMMITTEE MEETING**

**ITEM 5. REQUEST BY MET LABORATORIES, AN APPROVED THIRD PARTY AGENCY, FOR PERMISSION TO LABEL EIGHT ADDITIONAL CATEGORIES (18, 22, 23, 30, 37, 38, 39, AND 50).**

**ITEM 6. REQUEST BY TUV RHEINLAND OF NORTH AMERICAN FOR APPROVAL AS A THIRD PARTY AGENCY**

**OTHER ITEMS**

**ITEM 7.**      **REQUEST BY PHILLIP J HINTON, L.A.,P.E. OF THE NC DEPARTMENT OF TRANSPORTATION TO APPEAL THE DEPARTMENT OF INSURANCE INTERPRETATION THAT VOLUME I-C REQUIRES AN ELEVATOR IN A PUBLICALLY OWNED TWO STORY WAREHOUSE.**

**ITEM 8.**      **COMMITTEE REPORTS.** International Committee Reports.  
International Building Code Committee   Aubrey Smith  
International Fire Code Committee   Richard Strickland  
International Mechanical Committee   Al Bass  
International Plumbing Committee   Al Bass  
International Residential Committee   Dan Tingen  
International Fuel Gas Committee   Al Bass

**ITEM 9**      **REQUEST BY STAFF FOR COUNCIL INPUT ON 2002 ACCESSIBILITY CODE, INCLUDING INPUT ON AD HOC COMMITTEE ACTION**

**ITEM 10**      **REQUEST BY STAFF FOR COUNCIL REVIEW OF SECTION 1003.3.1.3.4 OF THE INTERNATIONAL BUILDING CODE AND SECTION 1012.7 OF VOLUME I ACCESS-CONTROLLED EGRESS DOORS**

Sincerely,

Wanda D. Edwards, P. E.  
Secretary