

AGENDA
CODES AND STANDARDS COMMITTEE
BOARD OF HOUSING AND COMMUNITY DEVELOPMENT
Monday, June 7, 2010
9:30 a.m. at the Virginia Housing Center, Glen Allen, VA

- I. OPENING
Call to Order Anthony Clatterbuck

- II. CONSENT AGENDA Anthony Clatterbuck
Approval of Committee Minutes: May 10, 2010 meeting

- III. REGULATORY CYCLE
2009 Code Change Cycle – Book 5

- IV. NEW BUSINESS Anthony Clatterbuck

- V. FUTURE BOARD MEETINGS Anthony Clatterbuck
 - a. Monday, July 26 – BHCD Meeting – (at the Virginia Housing Center)

- VI. ADJOURNMENT Anthony Clatterbuck

(Note: the committee will break for lunch from 12:00 to 12:30)

**BOARD OF HOUSING AND COMMUNITY DEVELOPMENT
CODES AND STANDARDS COMMITTEE
MEETING
May 10, 2010
Richmond, Virginia**

Members Present

Mr. Anthony Clatterbuck
Mr. Richard Evans
Mr. Thomas Fleury
Ms. Lori Fountain
Mr. Rick Witt
Mr. Michael Reilly
Mr. Brian Mullins
Mr. Roger McLellon
Mr. Ed Whitmore
Mr. Tip Strickland

Members Absent

Ms. Nancy O'Brien
Ms. Carol Staples

Call to Order and
Approval of Minutes

Mr. Anthony Clatterbuck, Chairman of the Codes and Standards Committee, called the meeting of the Committee to order. A motion was made to approve the Committee minutes of December 14, 2009. The motion was seconded and passed unanimously. Mr. Steve Calhoun of the Department's Policy Office called the roll.

Review of Regulatory
Issues

Mr. Emory Rodgers, Deputy Directory of the Division of Building and Fire Regulation, reviewed each issue contained in the Codes and Standards Committee Work Book 4 that included (i) code changes considered through the work group process as consensus and recommended for approval,(ii) code changes considered as consensus and recommended for disapproval, and (iii) code changes considered as non-consensus.

A motion was made to approve those code changes in tab 2 of the Book 4 notebook, the consensus for approval issues that addressed the USBC, Part I, Virginia Construction Code, excluding one item tabled for further discussion (page 104), which will be moved to the June 7, 2010 meeting agenda The motion was seconded and unanimously approved.

A motion was made to approve those code changes in tab 2 of the Book 4 notebook, the consensus for approval issues that addressed the Virginia Statewide Fire Prevention Code, excluding five items tabled for further discussion (pages 119, 124, 127, 133, and 138). The motion was seconded and unanimously approved.

A motion was made to approve those code changes in tab 2 of the Book 4 notebook, the consensus for approval issues that addressed the Virginia Industrialized Building Safety Regulations and the

Virginia Amusement Device Regulations. The motion was seconded and unanimously approved.

A motion was made to deny those code changes in tab 3 of the Book 4 notebook, the consensus items recommended for disapproval, excluding two items (page 175 and 183) which will be moved to the June 7, 2010 meeting agenda. The motion was seconded and unanimously approved.

A motion was made to deny code change number C-202. The motion was seconded and unanimously approved.

A motion was made to approve as modified code change number C-310.6(R602.10.6). The motion was seconded and unanimously approved.

A motion was made to approve code change number C-310.6(E3902.11). The motion was seconded and unanimously approved.

A motion was made to deny code change number C-708.14. The motion was seconded and approved with seven members voting in favor and two members opposed.

A motion was made to deny code change number C-903.2. The motion was seconded and disapproved with two members voting in favor and seven members opposed. A motion was made to approve code change number C-903.2. The motion was seconded and approved with seven members voting in favor and two members opposed.

A motion was made to deny code change number C-903.2.1.2. The motion was seconded and approved with eight members voting in favor and one member opposed.

A motion was made to approve code change number C-903.2.7(b). The motion was seconded and unanimously approved. A motion was made to deny code change number C-903.2.7(a). The motion was seconded and unanimously approved.

A motion was made to deny code change number C-903.2.8. The motion was seconded and approved with eight members voting in favor and one member opposed.

A motion was made to deny code change number C-906. The motion was seconded and disapproved with three members voting in favor and six member opposed. A motion was made to split the

code change into two actions. The motion was seconded and unanimously approved. A motion was made to the portion of the code change related to R-2. The motion was seconded and approved with eight members voting in favor and one member opposed. A motion was made to remove the exceptions for certain occupancies and require fire extinguishers in those occupancies. The motion was seconded and approved with eight members voting in favor and one member opposed.

A motion was made to approve code change number C-1005.1(a). The motion was seconded and approved with eight members voting in favor and one member opposed. A motion was made to deny code change number C-1005(b). The motion was seconded and unanimously approved.

A motion was made to approve code change number C-1024.1(a). The motion was seconded and approved with eight members voting in favor and one member opposed. A motion was made to deny code change number C-1024.1(b). The motion was seconded and unanimously approved.

A motion was made to deny code change number C-1103.2.7. The motion was seconded and approved with six members voting in favor and three members opposed.

A motion was made to approve code change number C-2803.1(1101.10)(a). The motion was seconded and unanimously approved. A motion was made to deny code change number C-2803.1(1101.10)(b). The motion was seconded and unanimously approved.

A motion was made to approve code change number C-3008.1. The motion was seconded and unanimously approved.

A motion was made to deny code change number F-107.12. The motion was seconded and unanimously approved.

A motion was made to approve code change number F-107.13. The motion was seconded and unanimously approved.

A motion was made to deny code change number F-311.5(a). The motion was seconded and approved with seven members voting in favor and two members opposed.

A motion was made to approve code change number F-315.1 as modified without changing section 315.2. The motion was seconded and unanimously approved.

A motion was made to approve code change number F-609.3.3.2 as modified. The motion was seconded and approved with eight members voting in favor and one member opposed.

A motion was made to carry code change number F2205.4 over to the June 7, 2010 meeting. The motion was seconded and unanimously approved.

A motion was made to deny code change number A-20. The motion was seconded and unanimously approved.

New Business

A motion was made to direct DHCD staff to create a code change that will address IRC Section E3802.4 with regards to wiring in crawlspaces. The motion was seconded and unanimously approved.

Future Meetings

A meeting of the full Board will be held on May 17, 2010. The Codes and Standards Committee hold a meeting on June 7, 2010 to consider the remaining code change in the 2009 code change cycle. Both meetings will be held at the Virginia Housing Center in Glen Allen, Virginia.

Adjournment

Upon completion of the agenda items, the Committee meeting was adjourned.

VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2009 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): Individual Government Entity Company

Name: Ron Clements

Representing: Chesterfield County Building Inspection Dept.

Mailing Address: 9800 Government Center Parkway

Email Address: clementsro@chesterfield.gov

Telephone Number: (804) 751-4163

Proposal Information

Code(s) and Section(s): 1103.2.7

Proposed Change (including all relevant section numbers, if multiple sections):

Revise as follows:

1103.2.7 Raised areas, safety and security. Raised areas used primarily purposes of security, life safety or fire safety including, but not limited to, observation galleries, prison guard towers, fire towers or lifeguard stands, are not required to be accessible or be served by an accessible route.

Add new section as follows:

1103.2.8 Raised areas in places of religious worship. Raised or recessed areas used exclusively for the performance of religious ceremonies in a place of religious worship such as Altars, bimahs, baptisteries, pulpits, platforms and other elevated areas, of 1000 square feet or less, located within accessible church stories or mezzanines, are not required to be accessible or be served by an accessible route.

Renumber remaining sections

Supporting Statement (including intent, need, and impact of the proposal):

This change has been submitted to the ICC for the 2012 edition cycle. The current accessibility provisions of chapter 11 in the IBC and the ICC/ANSI A117.1 standard were developed from the Americans With Disabilities act and in large part by people involved in the ADA. The Americans with Disabilities act section 307 exempts religious organizations and religions buildings from compliance with the act. Do to this exemption accessibility to specific church architectural elements has never been developed and is not addressed in the code or A117.1 standard. Providing access routes to elevated areas such as Altars, bimahs, baptisteries, pulpits, platforms and other elevated areas within churches used for the performance of church religious services is very difficult and costly. Furthermore even if an accessible route is provided to these areas there is no guidance to make a religious feature such as a baptistry accessible. Since there is already an accessibility exemption for raised areas used for safety and security this proposal adds "safety and security" to the existing raised area exemption and adds this new exemption directly following the existing raised area exemption.

Submittal Information

Date Submitted: _____

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR TASO (Technical Assistance and Services Office)

The Jackson Center

501 N. 2nd Street

Richmond, VA 23219-1321

Email Address: taso@dhcd.virginia.gov

Fax Number: (804) 371-7092

Phone Numbers: (804) 371-7140 or (804) 371-7150



VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2009 Code Change Cycle

Code Change Number: C-1103.2.7

Proponent Information

(Check one): Individual Government Entity Company

Name: Dan Williams

Representing: Fairfax County

Mailing Address: 12055 Government Center Parkway, Suite 316 Fairfax, VA 22035

Email Address: Dan.Williams@fairfaxcounty.gov

Telephone Number: 703-324-1060

Proposal Information

This revision to Code Change No. C-1103.2.7 replaces all previous submissions on this Code Change.

Code(s) and Section(s): 2009 Virginia Construction Code Section No(s): VCC Section 1103.2.7

Proposed Change (including all relevant section numbers, if multiple sections):

Change Section 1103.2.7 of the IBC, and add new Section number 1103.2.7.1 and new Section 1103.2.7.2, to read:

1103.2.7 Raised and lowered areas.

1103.2.7.1 Safety and security. Raised areas used primarily for purposes of security, life safety or fire safety including, but not limited to, observation galleries, prison guard towers, fire towers or lifeguard stands, and raised areas used primarily for religious ceremonies in a place of religious worship are not required to be accessible or to be served by an accessible route.

1103.2.7.2 Places of religious worship. Raised or lowered areas in places of religious worship are not required to be *accessible* or to be served by an *accessible route* provided all of the following apply:

1. The aggregate area of all raised or recessed areas including, but not limited to, altars, bimahs, baptisteries, pulpits, and platforms, is 1,000 square feet (92 m²) or less.
2. Such areas shall be used exclusively for the performance of religious ceremonies.
3. Such areas shall be located within an *accessible story* or *mezzanine*.

Supporting Statement (including intent, need, and impact of the proposal):

This proposal is to concur with the code change proposal from Mr. Ron Clements, as he proposed in his May 12, 2010 email exchange with stakeholders, but with some revisions thereto. These revisions are purely editorial changes to his proposal.

The reasons for these editorial revisions are as follows:

Use of the word, "lowered" instead of "recessed" in Sections 1103.2.7 and 1103.2.7.2.

The word, "recessed" usually refers to a horizontal displacement, such as in "the alcove, recessed into the wall", rather than a vertical displacement. The word, "lowered" is suggested as more adequately

referring to a vertical displacement, which is the intent of the section.

Capitalization of the word “safety” in Section 1103.2.7.1.

This is to match capitalization usage elsewhere in the code.

Removal of the phrase “Raised or recessed areas” from 1103.2.7.2 Title.

Since that phrase is, indeed, the title of Section 1103.2.7, then its use here would be redundant. Removing it leaves this Section entitled “Places of religious worship”.

Removal of the phrase “in a place of religious worship” from 1103.2.7.2 Item 2.

The phrase, itself, is already in the language of Section 1103.2.7.2. Its use here is redundant, and deleting it actually improves the overall readability of this Item 2.

Deletion of the word “church” in Section 1103.2.7.2 Item 3.

The word “church” is unnecessary in this context. The resulting phrase (see below), “*accessible story or mezzanine*”, seems more useful.

Italicization of the word “accessible” in Section 1103.2.7.2 Item 3.

This is italicized to match italicization used elsewhere in this entire section.

Submittal Information

Date Submitted: May 14, 2010

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR TASO (Technical Assistance and Services Office)
Main Street Center
600 E. Main St., Suite 300
Richmond, VA 23219

Email Address: tsu@dhcd.virginia.gov
Fax Number: (804) 371-7092
Phone Numbers: (804) 371-7140 or (804) 371-7150



VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2009 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): Individual Government Entity Company

Name: _____

Representing: _____

Mailing Address: _____

Email Address: _____

Telephone Number: _____

Proposal Information

Code(s) and Section(s): VCC, IRC Section E3802.4

Proposed Change (including all relevant section numbers, if multiple sections):

Change Section E3804.2 of the 2009 IRC as follows:

E3802.4 In unfinished basements and crawlspaces. Where type SE or NM cable is run at angles with joists in unfinished basements and crawlspaces, cable assemblies containing two or more conductors of sizes 6 AWG and larger... (remainder of section unchanged).

Supporting Statement (including intent, need, and impact of the proposal):

The 2008 NEC and the 2009 IRC electrical provisions added a new requirement for supporting electrical cables in a crawlspace either by running them through holes in the floor joists or by installing running boards. Both of these processes require much additional work and are very difficult to do in a typical crawlspace due to the limitations in working space. Crawlspaces are not typically accessible to the extent that protection of these conductors is necessary as they would be in a basement; therefore, this new requirement, which could add a substantial installation cost, is not warranted. This proposal simply keeps the 2006 IRC provisions intact. There is debate over the new requirement in the NEC adoption process and it appears that the 2011 NEC will have an exception for crawlspaces less than four and one-half feet in height. If that exception passes for the NEC, then it could be considered for the 2012 IRC and the 2012 USBC; however, for the 2009 USBC, it is best to just delete the new requirement and keep the 2006 requirements while the issue continues to be debated at the national level.

Submittal Information

Date Submitted: _____

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR TASO (Technical Assistance and Services Office)

The Jackson Center

501 N. 2nd Street

Richmond, VA 23219-1321

Email Address: taso@dhcd.virginia.gov

Fax Number: (804) 371-7092

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CHAPTER 38

WIRING METHODS

SECTION E3801 GENERAL REQUIREMENTS

E3801.1 Scope. This chapter covers the wiring methods for services, feeders and branch circuits for electrical power and distribution.

E3801.2 Allowable wiring methods. The allowable wiring methods for electrical installations shall be those listed in Table E3801.2. Single conductors shall be used only where part of one of the recognized wiring methods listed in Table E3801.2. As used in this code, abbreviations of the wiring-method types shall be as indicated in Table E3801.2.

**TABLE E3801.2
ALLOWABLE WIRING METHODS**

ALLOWABLE WIRING METHOD	DESIGNATED ABBREVIATION
Armored cable	AC
Electrical metallic tubing	EMT
Electrical nonmetallic tubing	ENT
Flexible metal conduit	FMC
Intermediate metal conduit	IMC
Liquidtight flexible conduit	LFC
Metal-clad cable	MC
Nonmetallic sheathed cable	NM
Rigid nonmetallic conduit	RNC
Rigid metallic conduit	RMC
Service entrance cable	SE
Surface raceways	SR
Underground feeder cable	UF
Underground service cable	USE

E3801.3 Circuit conductors. All conductors of a circuit, including equipment grounding conductors and bonding conductors, shall be contained in the same raceway, trench, cable or cord.

E3801.4 Wiring method applications. Wiring methods shall be applied in accordance with Table E3801.4.

SECTION E3802 ABOVE-GROUND INSTALLATION REQUIREMENTS

E3802.1 Installation and support requirements. Wiring methods shall be installed and supported in accordance with Table E3802.1.

E3802.2 Cables in accessible attics. Cables in attics or roof spaces provided with access shall be installed as specified in Sections E3802.2.1 and E3802.2.2.

E3802.2.1 Across structural members. Where run across the top of floor joists, or run within 7 feet (2134 mm) of floor

or floor joists across the face of rafters or studding, in attics and roof spaces that are provided with access, the cable shall be protected by substantial guard strips that are at least as high as the cable. Where such spaces are not provided with access by permanent stairs or ladders, protection shall only be required within 6 feet (1829 mm) of the nearest edge of the attic entrance.

E3802.2.2 Cable installed through or parallel to framing members. Where cables are installed through or parallel to the sides of rafters, studs or floor joists, guard strips and running boards shall not be required, and the installation shall comply with Table E3802.1.

E3802.3 Exposed cable. In exposed work, except as provided for in Sections E3802.2 and E3802.4, cable assemblies shall be installed as specified in Sections E3802.3.1 and E3802.3.2.

E3802.3.1 Surface installation. Cables shall closely follow the surface of the building finish or running boards.

E3802.3.2 Protection from physical damage. Where subject to physical damage, cables shall be protected by rigid metal conduit, intermediate metal conduit, electrical metallic tubing, Schedule 80 PVC rigid nonmetallic conduit, or other approved means. Where passing through a floor, the cable shall be enclosed in rigid metal conduit, intermediate metal conduit, electrical metallic tubing, Schedule 80 PVC rigid nonmetallic conduit or other approved means extending not less than 6 inches (152 mm) above the floor.

E3802.3.3 Locations exposed to direct sunlight. Insulated conductors and cables used where exposed to direct rays of the sun shall be listed or listed and marked, as being "sunlight resistant," or shall be covered with insulating material, such as tape or sleeving, that is listed or listed and marked as being "sunlight resistant."

E3802.4 In unfinished basements and crawl spaces. Where type SE or NM cable is run at angles with joists in unfinished basements and crawl spaces, cable assemblies containing two or more conductors of sizes 6 AWG and larger and assemblies containing three or more conductors of sizes 8 AWG and larger shall not require additional protection where attached directly to the bottom of the joists. Smaller cables shall be run either through bored holes in joists or on running boards. NM cable installed on the wall of an unfinished basement shall be permitted to be installed in a listed conduit or tubing or shall be protected in accordance with Table E3802.1. Conduit or tubing shall be provided with a suitable insulating bushing or adapter at the point where cable enters the raceway. The NM or SE cable sheath shall extend through the conduit or tubing and into the outlet or device box not less than 1/4 inch (6.4 mm). The cable shall be secured within 12 inches (305 mm) of the point where the cable enters the conduit or tubing. Metal conduit, tubing, and metal outlet boxes shall be connected to an equipment grounding conductor.