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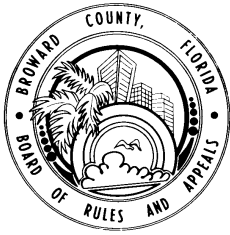
FORMAL

INTERPRETATIONS

2007 FLORIDA BUILDING CODE

FORMAL INTERPRETATIONS

1. FL Mechanical Code, 602.2.1 Materials Exposed within Plenums.
2. Retrofit of Windows, Doors, Garage Doors, Shutters, and Skylights
3. FBC Section 2121.1.6 or 2004 FRC Section R4407.4.1.6
4. FBC Section 2121.2.4 or 2004 FRC Section R4407.4.2.4
5. Reinforced Unit Masonry
6. Group R-3 Detached Single Family Dwelling/2004 FBC Section 1522.3.2 or 2004 FRC Section R4402.11.3.2
7. FBC Section 1522.2 or 2004 FRC – Section R4402.11.2
8. Protection of Piping in Concealed Spaces
9. Identification of Mechanical Equipment
10. Attachments of Ductwork to Air Handling Equipment
11. Insulation Requirements for Primary Condensate Drains
12. Use of Louvered Doors for Returning Air to Air Handlers
13. FBC Section 1512.4.3.1 or 2004 FRC Section R4402.1.4.3.1
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16. Replacement of damaged glass & glazing and curtain wall systems
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18. Secondary Water Barrier/Self Adhesive Strips applied over roof sheathing joints
19. FBC Broward County Ch I Section 104.23, alternative materials & methods
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21. Rooftop Clearance Requirements
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23. Roof Wood Truss Wind Loading
24. FBPE's New Rule 61G15-23.001 "Rubber Stamp Seals"
25. Section 1521.5
26. Interpretation of the Building Code relating to Membrane Structures Erected for less than 180 days



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2007 FBC FORMAL INTERPRETATION

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Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

TO: All Building Officials
FROM: James DiPietro, Administrative Director 
DATE: July 11, 2008 / **Revised September 11, 2008 RE-ISSUED: MARCH 1, 2009**
SUBJ: **FL Mechanical Code, 602.2.1, Materials Exposed Within Plenums**

This portion of the Interpretation concerns the residential portion of R-2 occupancies.

At its meeting of July 10, 2008 the Broward County Board of Rules and Appeals approved the following Formal Interpretation.

Section 602.2.1 of the Florida Mechanical Code requires materials exposed within plenums to be noncombustible or shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 50 when tested in accordance with ASTM E 84 (2001 Edition).

CPVC Flowguard Gold Pipe, SDR11 was tested by Southwest Research Institute using a *modified* ASTM E-84 test methodology in the following sizes.

.5 inch (nominal) water filled CPVC pipe: SwRI Project No. 01.04017.01.301b [1]

2 inch (nominal) water filled CPVC Pipe: SwRI Project No. 01.04017.01.301c[1]

.5 inch (nominal) empty CPVC Pipe: SwRI Project No. 01.10083.01.158e

.75 inch (nominal) empty CPVC Pipe: SwRI Project No. 01.10083.01.158f [1]

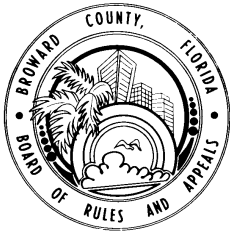
All four Modified ASTM E-84 Tests showed flame spread indices of not more than 25 and smoke-developed indices of not more than 50.

By accepting these four Modified ASTM-E 84 Tests, the Broward County Board of Rules and Appeals approved the use of CPVC Flowguard Gold Pipe, SDR11 installed in Mechanical Closets and Mechanical Equipment/Appliance Rooms used as plenums in the residential portion of R-2 Occupancies. Approval is limited to .5 inch (nominal) thru 2 inch (nominal) water filled CPVC and .5 inch (nominal) and .75 inch (nominal) empty CPVC pipe.

At its meeting of September 11, 2008 the above Interpretation was expanded to include the following language which applies to both commercial and residential occupancies:

CPVC piping may be accepted for use in plenums in instances where the manufacturers have tested their product with an approved testing agency to an acceptable alternate method to ASTM E-84 - "Standard Test Method for Surface Burning Characteristics of Building Materials". Evidence must be submitted to the Authority Having Jurisdiction (AHJ) that the piping has a flame spread index of not more than 25 and a smoke developed index of not more than 50 when tested in general accordance with ASTM E-84, 2001 Edition, Pipe can be tested empty or water filled and in various pipe diameters.

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Board Attorney
Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

DATE: October 12, 2007
TO: All Building Officials
FROM: James DiPietro 
Administrative Director
SUBJECT: **Retrofit of Windows, Doors, Garage Doors, Shutters and Skylights
FBC Existing Building, Alteration Level I**

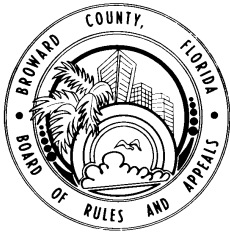
At its meeting of October 11, 2007 the Board approved an interpretation of Retrofit of Windows, Doors, Garage Doors, Shutters and Skylights, for buildings with h (height) less than or equal to 30 feet.

1. Window or door buck inspections are not required. The buck shall comply with Section 1714.5.4.2 specifically, unless otherwise tested; buck shall extend beyond the interior face of the window or door frame such that full support of the frame is provided.
2. A Florida Professional Engineer or Architect may modify the buck or fasteners as specified in a Notice of Acceptance. Such modification must be documented with a signed and sealed letter or drawing.
3. To obtain the required design pressure for a specific opening at a specific site, an individual must utilize one of the following and submit documentation as indicated.
 - a) A site-specific plan (signed and sealed) by a Florida Professional Engineer or Architect, indicating the location of all retro openings and the required design pressures.
 - b) A site-specific plan (not sealed) indicating the location of all retro openings accompanied by a worst case design pressure chart (signed and sealed) prepared by a Florida P.E. or Architect.
 - c) A site-specific plan (not sealed) indicating the location of all openings and indicating the required design pressures based on ASCE 7-05, Figure 6-3 for windows, doors, shutters and skylights and Table FBC 1609.6(1) & 1609.6(2) for garage doors.
4. Buildings with a h (height) > 30 feet or more shall have a site-specific design (signed and sealed) by a Florida Professional Engineer or Architect, indicating the location of all retro openings and the required design pressures for each opening.

NOTE: Generic charts, graphs alone, etc. are not acceptable for buildings above 30 feet.

—ESTABLISHED 1971—
—ESTABLISHED 1971—
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RE-ISSUED: March 1, 2009



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Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: September 8, 2005

TO: All Building Officials

FROM: James DiPietro
Administrative Director 

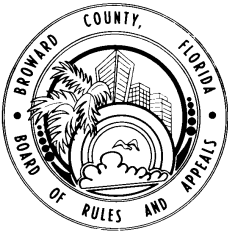
SUBJECT: **FBC - Section 2121.1.6 or FRC Section
R4407.4.1.6**

At its meeting of September 8, 2005 the Board approved an interpretation of FBC Section 2121.1.6 or FRC Section R4407.4.1.6, as follows:

“Horizontal Joint Reinforcement as specified in FBC Section 2121.1.6 or FRC Section R4407.4.1.6 does not pertain to FBC Section 2122 or FRC R4407.5 unless specified by the Design Professional of Record.”

EFFECTIVE DATE: October 1, 2005
RE- ISSUED March 1, 2009

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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: September 8, 2005

TO: All Building Officials

FROM: James DiPietro
Administrative Director

SUBJECT: **FBC - Section 2121.2.4 or FRC Section R4407.4.2.4**

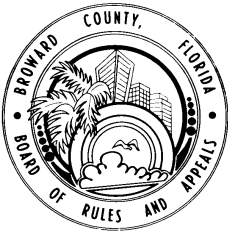
At its meeting of September 8, 2005 the Board approved an interpretation of **FBC, Section 2121.2.4 or FRC Section R4407.4.2.4**, as follows:

“FBC Section 2121.2.4 or FRC Section R4407.4.2.4 requires CBS gable ends to be constructed on all masonry walls whether designed utilizing tie columns and tie beams or engineered unit masonry. A wood frame gable end shall not be considered an equivalent alternate method. Engineered unit masonry may be utilized for the design of CBS gable ends in lieu of tie columns and tie beams, as specified in FBC Section 2121.2.4 or FRC 4407.4.2.4. Portions of a CBS building, such as, but not limited to, a porte-cochere or porch open below, may utilize wood frame gables.”

EFFECTIVE DATE: October 1, 2005

RE-ISSUED: March 1, 2009

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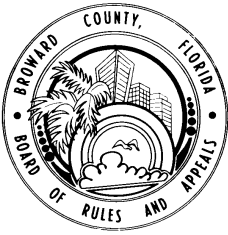
DATE: September 8, 2005
TO: All Building Officials
FROM: James DiPietro 
Administrative Director
SUBJECT: **Reinforced Unit Masonry**

At its meeting of September 8, 2005, the Board approved an interpretation of **Reinforced Unit Masonry, Florida Building Code**, as follows:

“FBC Section 2122.2.1 or FRC Section R4407.5.2.1 specifically exempts Reinforced Unit Masonry from the Tie Beam and Tie Column requirements, as specified in **FBC Section 2121.2.**or **FRC Section R4407.4.2.** It is the intent of this exception to also include any other sections as they relate to Tie Beams and Tie Columns, **FBC Section 2121.2.2.1** through **FBC Section 2121.2.3.8** or **FRC Section R4407.4.2.2** through **FRC Section R4407.4.2.3.8.**

EFFECTIVE DATE: October 1, 2005
RE-ISSUED: March 1, 2009

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Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: September 8, 2005
TO: All Building Officials
FROM: James DiPietro
Administrative Director 
SUBJECT: **Group R-3 Detached Single-family Dwelling/ FBC Section 1522.3.2 or FRC Section R4402.11.3.2**

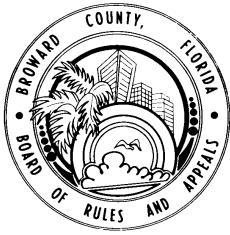
At its meeting of September 8, 2005 the Board approved an interpretation of **Group R-3 Detached Single-family Dwelling/FBC Section 1522.3.2, or FRC Section R4402.11.3.2** as follows:

FBC Section 1522.3.2 or FRC Section R4402.11.3.2 – When reroofing, recovering, performing repair or roof maintenance, and where the roof-top equipment is moved to properly execute such work, the minimum clearance of the said equipment support shall be in accordance with **FBC Table 1522.3 or FRC Table R4402.11.3** herein.

The Roofing Committee considered the requirement to raise roof-top equipment a scrivener's error/oversight during publication, due to the fact this would be cost prohibitive when reroofing existing Group R-3 Detached Single-family Dwellings, therefore, does not apply to Group R-3 Detached Single-family Dwellings.

EFFECTIVE DATE: October 1, 2005
RE-ISSUED: March 1, 2009

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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: September 8, 2005

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **FBC Section 1522.2 or FRC – Section R4402.11.2**

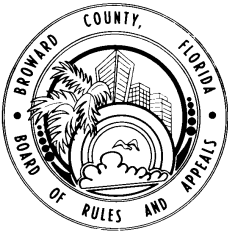
At its meeting of September 8, 2005 the Board approved an interpretation of **FRC Section R4402.11.2** as follows:

“In reroofing applications of R-3 Dwellings, when existing roof-top air-conditioning equipment must be removed and remounted, the equipment may be remounted using the same methods and materials as previously existing, even if said mounting does not comply with **FRC Section R4402.11.2.**”

EFFECTIVE DATE: October 1, 2005

RE-ISSUED: March 1, 2009

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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: October 20, 2005

TO: All Building Officials

FROM: James DiPietro
Administrative Director 

SUBJECT: **Protection of Piping in Concealed Spaces**

At its meeting of October 20, 2005 the Board approved an interpretation of Sec. 1308.2 of the Florida Residential Code (FRC) and identical language in Sec. 305.5 of the Florida Mechanical Code (FMC). This section of the code states "In concealed locations where piping, other than cast-iron or galvanized steel, is installed through holes or notches in studs, joists, rafters or similar members less than 1.5 inches from the nearest edge of the member, the pipe shall be protected by shield plates."

The code clearly only exempted piping constructed of cast-iron and galvanized steel.

Questions have been raised as to whether this section applied to condensate drain lines constructed of copper, CPVC (Chlorinated Poly Vinyl Chloride) or PVC (Poly Vinyl Chloride). The above mentioned sections of the code did not differentiate condensate drain line piping from piping used for other purposes. The code also did not exempt copper, CPVC or PVC from piping protection.

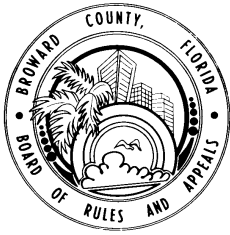
Formal Interpretation:

Condensate drain lines constructed of copper, CPVC or PVC installed in concealed locations shall meet the requirements of the Sec. 1308.2 of the FRC and Sec. 305.5 of the FMC.

EFFECTIVE DATE: October 20, 2005

RE-ISSUED: March 1, 2009

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Board Attorney
Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: October 20, 2005

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **Identification of Mechanical Equipment**

At the meeting of October 20, 2005 the Board approved an interpretation of Sec. 304.11 of the Florida Mechanical Code (FMC) and identical language in Sec. 304.9 of the 2001 Florida Mechanical Code (FMC). These sections of the code require marking of appliances (air conditioning equipment) serving different areas of a building other than where they are installed to uniquely identify the appliance and the area it serves.

The purpose of these sections is to easily identify equipment for servicing and in case of an emergency. An example would be multiple installations of appliances on a roof top of an office building, condominium, apartment building, etc. There is no requirement for identification of appliances contained in the Florida Residential Code.

Formal Interpretation:

Sections 304.11 of the FMC and 304.9 of the 2001 FMC do not apply to buildings governed under the Florida Residential Code. These buildings include detached one-two family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height with a separate means of egress.

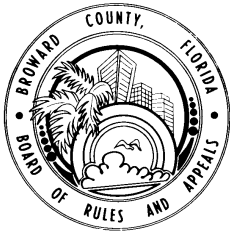
EFFECTIVE DATE:

October 20, 2005

RE-ISSUED:

March 1, 2009

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Board Attorney
Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: October 20, 2005

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **Attachments of Ductwork to Air Handling Equipment**

At its meeting of October 20, 2005 the Board approved an interpretation of Sec.603.4.2, Sec. 603.4.2.2 and Sec. 603.1.6 of the Florida Mechanical Code (FMC). Sec. 1601.6.2, Sec. 1601.6.2.2 and Sec. 1601.3.6 of the Florida Residential Code (FRC) contain identical language. Similar language is also in Sec. 13-610.ABC.3.0.1 and Sec. 13-610.1.ABC.3.0.6 of the Florida Energy Efficiency Code for Building Construction (FEEC). Similar language was also contained in the FMC and the FEEC.

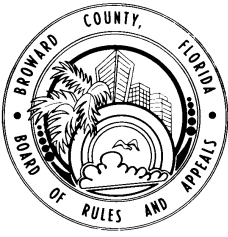
These sections state attachment of rigid fibrous glass duct work to air-handling equipment shall be by mechanical attachment and attachment shall be by mechanical fasteners. These sections further define mechanical attachments for air distribution systems as screws, rivets, welds, interlocking joints crimped and rolled, staples, twist in (screw attachment, and compression systems created by bend tabs or screw tabs and flanges or by clinching straps.

Broward County has a long successful history of using UL181 A/P listed pressure-sensitive aluminum foil tape and UL 181 A/M glass fabric and mastic for attaching rigid fibrous glass duct board to cleaned sheet metal equipment flanges in residential applications. North American Insulation Manufacturers Association (NAIMA) is listed in the Reference Standards and Organizations sections of the FMC and FRC. NAIMA's Fibrous Glass Residential Duct Construction Standard states "Connections of fibrous glass duct board to carefully cleaned sheet metal equipment flanges may be made with UL A/P listed pressure-sensitive aluminum foil tape."

Formal Interpretation:
The use of UL 181 A/P listed pressure sensitive aluminum tape or UL 181 A/M glass fabric and mastic are acceptable methods of attaching rigid fibrous glass duct work to cleaned sheet metal equipment flanges in residential applications.

EFFECTIVE DATE: October 20, 2005
RE-ISSUED: March 1, 2009

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Board Attorney
Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: October 20, 2005

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **Insulation Requirements for Primary Condensate Drains**

At its meeting of October 20, 2005 the Board approved an interpretation of Sec. 307.2.5 of the Florida Mechanical Code (FMC). This section states "All horizontal primary condensate drains within unconditioned areas shall be insulated to prevent condensation from forming on the exterior of the drain pipe."

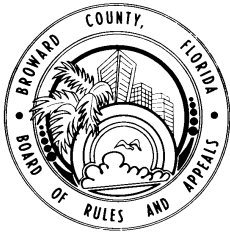
Questions have been raised about the code requirement to insulate condensate drains that were installed vertically or at an angle (pitched). All condensate drain lines are required to have a slope to insure proper drainage and therefore are not perfectly horizontal. The code does not address the insulation of condensate drains lines that are installed vertical or at an angle (pitched). It appears the intent of the code was to apply to condensate piping which is installed in a relatively horizontal manner.

Formal Interpretation:

Only primary condensate drain lines within unconditioned areas installed in a relatively horizontal manner are required to be insulated.

EFFECTIVE DATE: October 20, 2005
RE-ISSUED: March 1, 2009

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Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: October 20, 2005

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **Use of Louvered Doors for Returning Air to Air Handlers**

At its meeting of October 20, 2005 the Board approved an interpretation of the Florida Residential Code (FRC) sec. 1601.3.13 and sec. 603.17 of the Florida Mechanical Code (FMC). These identical language sections require registers, grilles, and diffusers to have a flame spread not over 25 and a smoke developed rating not over 50 when tested in accordance with ASTM E 84.

Often in SFR and residential portions of multi-family residences a louvered door is utilized to direct the return air to an air handler located in a closet or uninhabited space.

This method is used in lieu of having a return air duct attached to the air handler. If the louvered door was removed return air would still be directed to the air handler. These louvered doors are usually constructed of wood, plastic or metal.

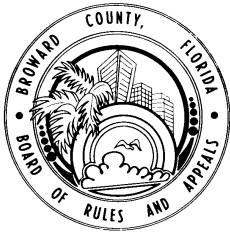
Formal Interpretation:

In Single Family Residences and Residential Portions of Multi-Family Residences louvered doors utilized to direct return air to an air handler located in a closet or uninhabited space are not considered registers, grilles or diffusers and therefore do not have to meet the requirements of Sec. 1601.3.13 of the FRC or Sec. 603.17 of the 2007 FMC.

EFFECTIVE DATE: **October 20, 2005**

RE-ISSUED: **March 1, 2009**

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Board Attorney
Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: September 8, 2005

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **FBC Section 1512.4.3.1 or FRC Section R4402.1.4.3.1**

At its meeting of September 8, 2005, the Board approved an interpretation of **FBC Section 1512.4.3.1 or FRC Section R4402.1.4.3.1 Required Inspections**, as follows:

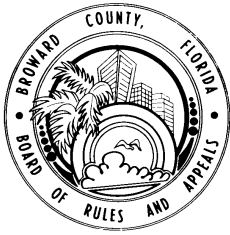
FBC Section 1512.4.3.1 or FRC Section R4402.1.4.3.1 During application of any roofing system prior to the full concealment of the attachment process to the deck or to the existing roofing assembly.

A roofing contractor shall be required to call for an inspection each day during the application of roof systems that require more than one day to install.

EFFECTIVE DATE: October 1, 2005

RE- ISSUED: March 1, 2009

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Architect

Board Attorney
Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: 4-20-2006

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **Replacement of damaged glass & glazing for balcony railings and safeguard systems**

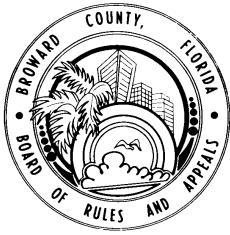
At its meeting of April 20, 2006 the Board approved an interpretation of **Replacement of damaged glass & glazing for balcony rails and safeguard system**, Section 501 Florida Existing Building Code.

Replacement of glass and glazing for balcony railings and safeguard systems is a repair pursuant to Chapter 4 of the Florida Existing Building Code and by definition is within a hazardous location and shall be replaced in accordance with Section 502.2 of the Florida Existing Building Code.

EFFECTIVE DATE: APRIL 21, 2006

RE- ISSUED: MARCH 1, 2009

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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: 4-20-2006

TO: All Building Officials

FROM: James DiPietro
Administrative Director

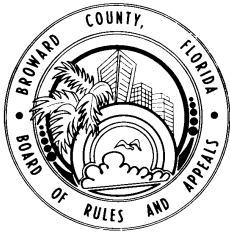
SUBJECT: **Slabs in Right of Ways**

At its meeting of April 20, 2006 the Board approved an interpretation of **Slabs in Right of Ways Florida Building Code**, as follows:

Concrete slabs on grade that are less than 250 square feet in total installed entirely within a public right of way and solely for the purpose of accessibility to public transportation shall not be considered a structure as described in Section 105.1. Accordingly, a building permit is not required for the installation of a slab meeting these parameters.

EFFECTIVE DATE: APRIL 21, 2006
RE- ISSUED: MARCH 1, 2009

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Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: 4-20-2006

TO: All Building Officials

FROM: James DiPietro 
Administrative Director

SUBJECT: **Replacement of damaged glass & glazing and curtain wall systems**

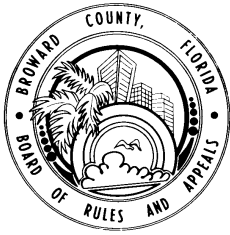
At its meeting of April 20, 2006 the Board approved an interpretation of **Replacement of damaged glass & glazing and curtain wall system**, Section 401 Florida Existing Building Code.

Replacement of damaged glass and glazing in curtain wall systems and exterior windows, doors, garage doors and skylights is a repair pursuant to Chapter 4 of the Florida Existing Building Code (FEBC) and may be replaced with like kind materials unless a dangerous or hazardous condition exists as defined in Section 202 of the FEBC. When new code assemblies are determined to be required, the standard for impact resistance shall be adhered to pursuant to Chapter 16 of the Florida Building Code, Building volume, subject to the exception for R3 occupancies contained in Section 606.4 of the FEBC.

EFFECTIVE DATE: APRIL 21, 2006

RE- ISSUED: MARCH 1, 2009

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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: April 19, 2007

TO: All Building Officials

FROM: James DiPietro
Administrative Director

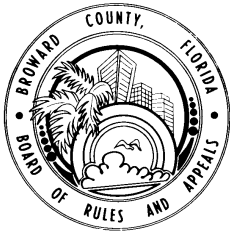
SUBJECT: Definition of valley

At its meeting of April 19, 2007 the Board approved an interpretation of Florida Building Code.

VALLEY: The internal angle formed by the intersection of two (2) sloping roof planes.

EFFECTIVE DATE: APRIL 20, 2007
RE- ISSUED: MARCH 1, 2009

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Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: April 19, 2007

TO: All Building Officials

FROM: James DiPietro
Administrative Director

SUBJECT: **Secondary Water Barrier / Self Adhesive Strips applied
over roof sheathing joints.**

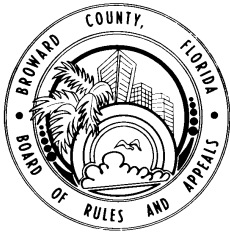
At its meeting of April 19, 2007, the Board approved an interpretation of Florida Building Code.

Self-adhesive strips applied over roof sheathing joints. The following comments are provided.

1. There is no provision in the FBC-HVHZ that would prohibit the use of 6 inch strips at the joints of plywood sheathing.
2. Since self-adhered underlayments are not allowed to be applied directly to wood in the HVHZ, the use of these strips on a tongue-and-groove sheathing is prohibited.

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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: May 11, 2007

TO: All Building Officials

FROM: James DiPietro
Administrative Director

SUBJECT: **Florida Building Code Broward County Amendments Section 104.23,
alternative materials and methods.**

At its meeting of May 10, 2007 the Board of Rules and Appeals approved as an alternative method, for swimming pools and spas with the installation of 15-volt or less swimming pools and spa lights or no light, perimeter of the swimming pool and spa surfaces and equipotential grid (single #8 AWG wire).

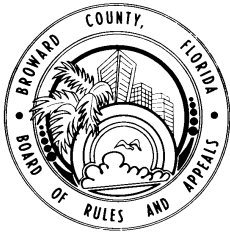
Perimeter surfaces and equipotential bonding grid (single #8 AWG wire) includes unpaved surfaces as well as poured concrete and other types of paving. Bonding for perimeter of the swimming pool and spa surfaces shall be installed as follows:

1. Attached to the pool reinforcing steel or copper conductor grid (single #8 AWG wire) and
2. Buried to a minimum depth of (4) four inches to (6) six inches below grade and
3. Minimum of four (4) points uniformly spaced around the perimeter of the swimming pool and spa (for nonconductive pool shell (fiberglass, etc.), bonding at four points shall not be required) and
4. Connected to an equipotential bonding grid (single #8 AWG wire) with a solid copper bare conductor not smaller than # 8 AWG and
5. Connection shall be made exothermic welding or by listed pressure connectors or clamps that are labeled as being suitable for the purpose and are of stainless steel, brass, copper or copper alloy and
6. The equipotential bonding grid (single #8 AWG wire) shall extend under paved and unpaved walking surfaces for (1) one meter ((3) three feet) horizontally beyond the inside walls of the pool. Under existing conditions, this requirement may be less than as stated above.

EFFECTIVE DATE: Retroactive to December 8, 2006

RE- ISSUED: MARCH 1, 2009

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Board Administrative Director

James DiPietro

—ESTABLISHED 1971—

DATE: October 12, 2007

TO: All Building Officials

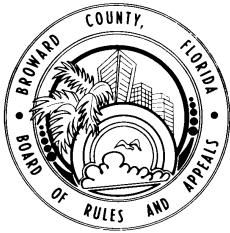
FROM: James DiPietro 
Administrative Director

SUBJECT: **Retrofits required pursuant to FS 553.844**

Anchors not less than 1/8" by 1" steel strap nailed with 3- 16D nails installed in accordance with previous additions of the South Florida Building Code shall be deemed to comply with the minimum uplift capacity of 500 pounds as specified in the Florida Building Commission Hurricane Mitigation Retrofits Manual Section 201.3.2 for Existing Site-Built Single Family residential structures.

RE-ISSUED: MARCH 1, 2009

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—ESTABLISHED 1971—

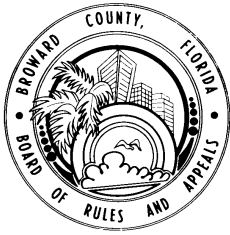
TO: All Building Officials
FROM: James DiPietro, Administrative Director
DATE: May 14, 2009
SUBJECT: **Rooftop Clearance Requirements-Section 1522.3, 1522.3.1 and the FRC Section 4402.11.3 and 4402.11.3.1**

At its meeting of May 14, 2009, the Board approved an interpretation of the 2007 FBC Sections 1522.3, 1522.3.1 and the FRC Sections 4402.11.3 and 4402.11.3.1

The ROOFTOP CLEARANCE REQUIREMENTS FOR PERMANENTLY MOUNTED EQUIPMENT as specified in FBC Section 1522.3, 1522.3.1 and the FRC Section 4402.11.3, 4402.11.3.1 are not intended to be applied to rooftop mounted solar thermal or solar electric installations.

EFFECTIVE DATE: MAY 15, 2009

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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

DATE: August 14, 2009
TO: All Building Officials
FROM: James DiPietro 
Administrative Director
SUBJECT: **Voluntary Wind Load Chart**

At its meeting of August 13, 2009 the Board approved an interpretation relating to the release of a voluntary wind load chart for the wind pressures.

This chart may be utilized to establish the required wind pressures for the retro-fit of doors, windows, skylights, shutters, and garage doors for buildings less than 30feet.

This chart was derived from ASCE 7-05 (figure 6-3) and 2007 Florida Building Code table 1609.6 (1) & (2).

This chart is to be used in conjunction with Formal Interpretation #2 (FI), adopted October 12, 2007 and re-issued March 1, 2009.

NOTE: Generic charts, graphs alone, et cetera. are not acceptable for buildings above 30 feet.

*******PLEASE POST AT YOUR PERMIT COUNTER*******

Figure 6-3 ASCE 7-05 Broward County FBC 2007

Component cladding wind loads

for enclosed Buildings with a Mean roof height less than or equal to 30 feet

Wind 140 mph -3 second gust / Exposure "C"/ Kd=0.85/ Kzt=1.0/ I=1.0

Effective wind area (ft ²)	Location "Gable" or "Hip"	Mean Roof height of 15 feet						Mean Roof height of 20 feet						Mean Roof height of 25 feet						Mean Roof height of 30 feet					
		Zone						Zone						Zone						Zone					
		1		2		3		1		2		3		1		2		3		1		2		3	
		+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
10	Roof >0-7 (0 to 1.5:12)	17.3	-42.7	17.3	-71.6	17.3	-107.7	18.4	-45.5	18.4	-76.4	18.4	-114.8	19.3	-47.7	19.3	-79.9	19.3	-120.2	20.0	-49.4	20.0	-82.9	20.0	-124.6
20		16.2	-41.6	16.2	-64.0	16.2	-89.3	17.3	-44.4	17.3	-68.2	17.3	-95.2	18.1	-46.4	18.1	-71.4	18.1	-99.6	18.8	-48.2	18.8	-74.1	18.8	-103.3
50		14.9	-40.2	14.9	-53.8	14.9	-64.7	15.9	-42.8	15.9	-57.4	15.9	-69.0	16.6	-44.8	16.6	-60.1	16.6	-72.2	17.2	-46.5	17.2	-62.3	17.2	-74.9
100		13.8	-39.1	13.8	-46.2	13.8	-46.2	14.7	-41.7	14.7	-49.3	14.7	-49.3	15.4	-43.6	15.4	-51.6	15.4	-51.6	16.0	-45.2	16.0	-53.5	16.0	-53.5
10	Roof * >7-27 (1.5 to 6:12)	24.6	-39.1	24.6	-68.0	24.6	-100.6	26.2	-41.7	26.2	-72.5	26.2	-107.2	27.4	-43.6	27.4	-75.9	27.4	-112.2	28.4	-45.2	28.4	-78.7	28.4	-116.3
20		22.4	-38.0	22.4	-62.6	22.4	-94.0	23.9	-40.5	23.9	-66.7	23.9	-100.2	25.0	-42.4	25.0	-69.8	25.0	-104.9	25.9	-44.0	25.9	-72.4	25.9	-108.8
50		19.5	-36.5	19.5	-55.3	19.5	-85.3	20.8	-39.0	20.8	-59.0	20.8	-90.9	21.7	-40.8	21.7	-61.7	21.7	-95.2	22.5	-42.3	22.5	-64.0	22.5	-98.7
100		17.3	-35.5	17.3	-49.9	17.3	-78.8	18.4	-37.8	18.4	-53.1	18.4	-84.0	19.3	-39.6	19.3	-55.6	19.3	-87.9	20.0	-41.0	20.0	-57.7	20.0	-91.1
10	Roof >27-45 (6 to 12:12)	39.1	-42.7	39.1	-49.9	39.1	-49.9	41.7	-45.5	41.7	-53.1	41.7	-53.1	43.6	-47.7	43.6	-55.6	43.6	-55.6	45.2	-49.4	45.2	-57.7	45.2	-57.7
20		38.0	-40.5	38.0	-47.7	38.0	-47.7	40.5	-43.2	40.5	-50.8	40.5	-50.8	42.4	-45.2	42.4	-53.2	42.4	-53.2	44.0	-46.9	44.0	-55.2	44.0	-55.2
50		36.5	-37.6	36.5	-44.9	36.5	-44.9	39.0	-40.1	39.0	-47.9	39.0	-47.9	40.8	-42.0	40.8	-50.1	40.8	-50.1	42.3	-43.5	42.3	-51.9	42.3	-51.9
100		35.5	-35.5	35.5	-42.7	35.5	-42.7	37.8	-37.8	37.8	-45.5	37.8	-45.5	39.6	-39.6	39.6	-47.7	39.6	-47.7	41.0	-41.0	41.0	-49.4	41.0	-49.4

* For hip roofs with angle greater than 7 degrees (1.5:12) and less than 25 degrees (5.5:12), Zone 3 shall be treated as Zone 2

Effective wind area (ft ²)	Location	Mean Roof height of 15 feet				Mean Roof height of 20 feet				Mean Roof height of 25 feet				Mean Roof height of 30 feet			
		Zone				Zone				Zone				Zone			
		4		5		4		5		4		5		4		5	
		+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-
10	Wall	42.7	-46.2	42.7	-57.1	45.5	-49.3	45.5	-60.9	47.7	-51.6	47.7	-63.7	49.4	-53.5	49.4	-66.1
20		40.8	-44.4	40.8	-53.2	43.5	-47.3	43.5	-56.8	45.5	-49.5	45.5	-59.4	47.2	-51.4	47.2	-61.6
50		38.2	-41.9	38.2	-48.2	40.8	-44.6	40.8	-51.3	42.7	-46.7	42.7	-53.7	44.2	-48.4	44.2	-55.7
100		36.3	-39.9	36.3	-44.4	38.7	-42.6	38.7	-47.3	40.5	-44.6	40.5	-49.5	42.0	-46.2	42.0	-51.4
500		31.8	-35.5	31.8	-35.5	33.9	-37.8	33.9	-37.8	35.5	-39.6	35.5	-39.6	36.8	-41.0	36.8	-41.0

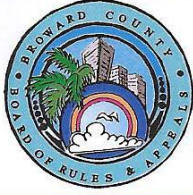
Garage Door wind loads
for Building with 30 feet Mean roof height
Exposure C
table 1609.6(1)/(2)

Effective Wind Area		Roof Angle	Wind Load	
Width	Height		+	-
8	8	0 - 10 degrees	39.8	-45.1
10	10		38.5	-43.1
14	14		36.5	-40.7
9	7	> 10 degrees	43.4	-49.1
16	7		41.6	-46.3

Gable Roof Hip Roof

For effective wind areas between those given, value may be interpolated, otherwise use the value associated with the lower effective wind area
"a" shall be the smallest of 10% of least hor. distance or 40% of eave height but not less than 4% of least hor. distance or 3 ft

This chart may be used when applicable unless properly designed by a registered architect or licensed professional engineer



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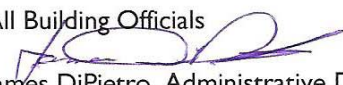
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Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

2007 FBC FORMAL INTERPRETATION

TO: All Building Officials

FROM: James DiPietro, Administrative Director
DATE: August 13, 2010
SUBJECT: Roof Wood Truss Wind Loading

At its meeting of August 12, 2010, the Board of Rules and Appeals re-issued an interpretation originally dated March 13, 2003 concerning the **Florida Building Code, Roof Wood Truss Wind Loading Requirements**. The following guidelines are to be used in the design of roof wood trusses under the wind loading requirements:

“Trusses with equal or less than 700 sq. ft. tributary area

The members and internal connections design for wind loading shall be based on Component and Cladding factors. The anchorage and reactions of these trusses may be based on main wind force resisting systems.

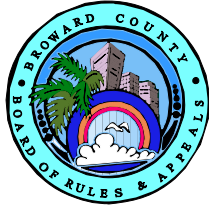
Trusses with more than 700 sq. ft. tributary area

The members, internal connections and truss anchorage design for wind loading may be based on main wind force resisting factors. Because the top chord receives load directly from the roof sheathing, these elements shall also be checked using Component and Cladding factors.

Determination of loads and coordination of loads between shop drawings and design shall be at the discretion of and verified by the Engineer or Architect of Record.”

EFFECTIVE DATE: August 13, 2010

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—ESTABLISHED 1971—

2007 FBC FORMAL INTERPRETATION

TO: All Building Officials
FROM: James DiPietro, Administrative Director
DATE: August 13, 2010
SUBJECT: FBPE's New Rule 61G15-23.001 "Rubber Stamp Seals"

At its meeting of August 12, 2010, the Board of Rules and Appeals issued an opinion concerning signing and sealing electronically transmitted plans, specifications, reports or other documents.

Wherever it is encountered in Broward County FBC Chapter One, whenever the terminology "impressed or embossed" seal is encountered the signature, seal, and date shall be as described in FAC 61G15 (attached).

EFFECTIVE DATE: August 13, 2010

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CHAPTER 61G15-23

SEALS

61G15-23.001 Seals Acceptable to the Board.

61G15-23.002 Seal, Signature and Date Shall Be Affixed.

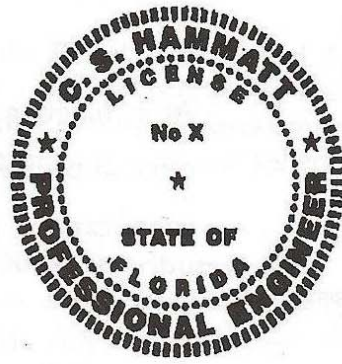
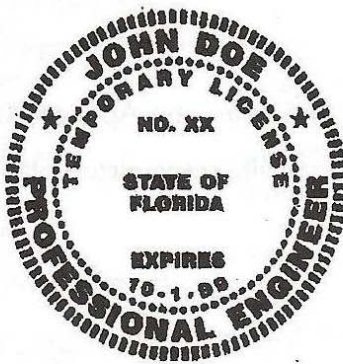
61G15-23.003 Procedures for Signing and Sealing Electronically Transmitted Plans, Specifications, Reports or Other Documents.

61G15-23.001 Seals Acceptable to the Board.

(1) Pursuant to Section 471.025, F.S., the Board hereby establishes as indicated below the forms of seals which are acceptable to the Board.

→ (a) Any seal capable of leaving a permanent ink representation or other form of opaque and permanent impression which contains the information described herein is acceptable to the Board.

(b) Said seal shall be a minimum of 1 7/8 inches in diameter and shall be of a design similar to those set forth below.



(c) The type of seal in the center may be used only by registrants who are in good standing under both Chapters 471 and 472, F.S.

(d) The seal may contain an abbreviated form of the licensee's given name or a combination of initials representing the licensee's given name provided the surname listed with the Board appears on the seal and in the signature.

(2) Embossing impression seals which otherwise comply with these provisions and which do not provide an opaque and permanent impression or permanent ink representation are also acceptable to the Board.

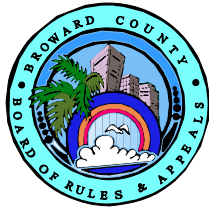
Rulemaking Authority 471.008, 471.025 FS, Law Implemented 471.025 FS, History-New 1-8-80, Amended 6-23-80, Formerly 21H-23.01, 21H-23.001, Amended 4-1-97, 2-5-04, 8-8-05, 11-16-09.

61G15-23.002 Seal, Signature and Date Shall Be Affixed.

(1) A professional engineer shall sign by hand the licensee's handwritten signature (facsimiles are not acceptable) and affix the licensee's seal:

(a) To all final drawings, specifications, plans, reports, or documents prepared or issued by the licensee and being filed for public record; and

(b) To all final documents provided to the owner or the owner's representative;



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Mr. John R. Smith,
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Mr. John Sims,
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Mr. Abbas H. Zackria, CSI
Architect
Mr. Henry Zibman, P.E.
Mechanical Engineer

2010 Alternate Board Members

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Architect

Board Attorney

Robert Ziegler, Esq.

Board Administrative Director

James DiPietro

—ESTABLISHED 1971—

2007 FBC FORMAL INTERPRETATION

TO: All Building Officials

FROM: James DiPietro, Administrative Director

DATE: November 4, 2010

SUBJECT: Section 1521.5

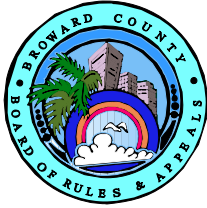
At its regular meeting of November 4, 2010 the Board approved an interpretation of Section 1521.5 as follows:

Section 1521.5 requires a reroof to be fastened in compliance with the code.

The code does not require an inspection or a re-nailing affidavit to be submitted to the Building Department. However the Building Official at his discretion may require.

EFFECTIVE DATE: November 5, 2010

*****PLEASE POST AT YOUR PERMIT COUNTER*****



BROWARD COUNTY BOARD OF RULES AND APPEALS

2007 FBC FORMAL INTERPRETATION

One North University Drive
Suite 3500-B
Plantation, Florida 33324

Phone: 954-765-4500
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Architect

Board Attorney
Robert Ziegler, Esq.

Board Administrative Director
James DiPietro

—ESTABLISHED 1971—

TO: All Building Officials
FROM: James DiPietro, Administrative Director 
DATE: September 13, 2011
SUBJECT: Interpretation of the Building Code relating to Membrane Structures Erected for less than 180 days

At its meeting of September 8, 2011 the Board approved of several interpretations relating to the captioned subject, in a question and answer format as follows:

Q1. Does scaffolding, when covered with a shrink-wrapped material which has been completely erected around the perimeter of a dry docked vessel for a period of less than 180 days, meet the definition of a temporary membrane structure?

A. *Permits are not required for work under 180 days by the Florida Building Code, but might be required by other regulatory agencies.*

3103.1 General. The provisions of this section shall apply to structures erected for a period of less than 180. Tents and other membrane structures erected for a period of less than 180 days shall comply with the Florida Fire Prevention Code. Those erected for a longer period of time shall comply with applicable sections of this code.

Exception: Provisions of the Florida Fire Prevention Code shall apply to tents and membrane structures erected for a period of less than 180 days.

Q2. Is a membrane structure as described in the 2007 Florida Building Code, Section 3102, when erected for a period of less than 180 days, required to comply solely with the requirements of Florida Fire Prevention Code as stated in Section 3103.1 or must it also comply with other sections of the Florida Building Code including Section 105.1 of the Broward County Administrative Provisions to the Florida Building Code?

A. *Temporary membrane structures erected around the perimeter of a dry docked vessel for a period of less than 180 days must comply with the Florida Fire Prevention Code, but do not have to comply with the Florida Building Code or Administrative Provisions.*

Q3. If the application of flammable finishes is being performed within a temporary membrane structure that is erected for a period of less than 180 days, does code section 416 of the 2007 Building Code apply or only the Florida Fire Prevention Code as stated in Section 3102?

A. *Temporary membrane structures erected around the perimeter of a dry docked vessel for a period of less than 180 days must comply with the Florida Fire Prevention Code but do not have to comply with the Florida Building Code or Administrative Provisions.*

Q4. What permit(s), if any, would be required for a temporary membrane structure erected for less than 180 days in which the application of flammable finishes is being performed?

A. *Permits are not required for work performed within a temporary structure erected around the perimeter of a dry docked vessel for less than 180 days by the Florida Building Code, but might be required by other regulatory agencies.*

EFFECTIVE DATE: September 8, 2011

*****PLEASE POST AT YOUR PERMIT COUNTER*****