



# **Florida Healthcare Engineering Association 27<sup>rd</sup> Spring Meeting**

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# Outline

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# Legislation

- **HB 4079 and SB 1776 – Elimination of OPC**

## House Bill 4079

filed January 18, 2011 by Representative Nunez

## Senate Bill 1776

filed March 4, 2011 by Representative Bogdanoff

No further action to date.

# Codes

- **2010 Florida Building Code**  
Effective Date – December 31, 2010
- **2010 Guidelines**  
Effective Date – December 31, 2010
- **2009 Life Safety Code**  
Effective Date – December 31, 2010
- **NFPA 70 (NEC)**  
2008 Current in Effect



# OPC Update

- **Fees**

Administrative Project Application Fee has remain at \$2,000.00. Hourly rates have been revised from \$80 to \$100 per hour. Travel reimbursable's have not changed.

- **Team Territories**

We are in the process of revising; with 2 teams in North Florida, 3 teams in Central Florida and 4 teams in South Florida in an effort to better serve our facility locations.

- **Archiving and Electronic Filing**

Manual archiving is 100% completed and will remain available for 5 years per Florida Statute. We will continue this practice as we transition into a fully electronic system of submissions, reviews and filing over the next several years.

# Infection Control

- **Hand washing sinks VS Alcohol-based hand rubs**

Exerts from the American Journal of Infection Control 2010

- “among the top 5 design features incorporated into patient room design was an in-room hand washing sink separate from that in the bathroom attached to the room”
- “FGI HGRC considered and incorporated lessons learned from supporting evidence recommending hand washing stations design features in ICUs and other patient care settings”
- “the HGRC also supported greater attention to use of alcohol based hand rubs (ABHR) during planning to facilitate adherence to hand hygiene”. “ABHR dispensers are not intended to supplant the inclusion of plumbed hand washing stations”.

# Room Sizes

- **Square Footage VS Clear Dimensions**

The HGRC has formed a Task Group as of last months annual meeting which was held April 11<sup>th</sup> through the 15<sup>th</sup> in Chicago. As a member of that Task Group I will be joining 12 other diverse members including architects, engineers, interior designers, physicians, facilities managers and code officials from across the nation to analyzing and discuss the most practice method of calculating and designing patient room sizes.

We have been asked to consider current and futuristic requirements such as patient treatment programing, furnishings, equipment and bariatric patient requirements of additional dimensions and the equipment required for bariatric patient transfer.



# Mobile Units

- **Mobile Cath Units**

There is a list of pre-approved existing Mobile Cath Unit VIN#'s maintained by OPC. Mobile Units are to be submitted to OPC as projects per Statute and as described on our web site at

[ahca.myflorida.com/MCHQ/Plans/index.shtml#forms](http://ahca.myflorida.com/MCHQ/Plans/index.shtml#forms)

Mobile Units without pre-approved VIN#'s will not meet new building code requirements and will therefore be denied.



# Exterior Units

- **Building Code**

The Florida Building Code (FBC) requires that all exterior units (windows, doors, louvers) meet the impact requirements of the High Velocity Hurricane Zone regardless of their geographic locations (see FBC 419.4.2.5). Though rational analysis is acceptable for many structural calculations, there is no accepted mythology to calculate impact through rational analysis. Consequently physical testing is required to ensure exterior units meet the impact performance standard. Notice of Acceptance (NOA) or Florida Product Approval (PA) documentation is required for certification of the physical testing. It should be noted that tested exterior units have to be installed according to the fastening system specification that was used in the physical testing to insure compliance with the impact requirements. Signed and Sealed Florida Engineer modifications to a tested assembly and/or the tested fastening system used with the assembly are not accepted in lieu of physical testing. This is what the Florida Building Code requires.

# Exterior Units continued

- **NOA & PA Modifications through Rational Analysis**

Below is a brief discussion about the problem of utilizing rational analysis to meet impact design criteria from Rick Dixon, Florida Building Commission.

"Adjustment for impact is not a simple problem. The reaction is "dynamic" not "static" and all the bending, withdrawal, shear, etc. measurements I am aware of are "static" tested data. The two worlds do not cross over simply. I am skeptical of any engineer who would use the static test data which is, relatively, low power (energy per unit time) to solve a, relatively, high power (they call it impulse in mechanics and power in electrical) problem. The performance in the fasteners in different substrates becomes more about the substrate and the fastener in the dynamics problem than in the statics problem."

# Save The Date

**AHCA/FHEA Annual Seminar  
September 26<sup>th</sup> and 27<sup>th</sup> 2011**

***New Codes and Standards for  
Health Care Design and  
Construction in Florida***

**Rosen Shingle Creek Resort  
Orlando, Florida**

**fhea@earthlink.net**





# Questions?

**Thank You  
For All You Do!**

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