

Subject: News from Florida Engineering Solutions
From: Florida Engineering Solutions <jhoy@florida-engineer.com>
Date: Thu, 22 Apr 2010 23:00:15 -0400 (EDT)
To: dkp205@hotmail.com

Florida Engineering Solutions - Newsletter

April, 2010

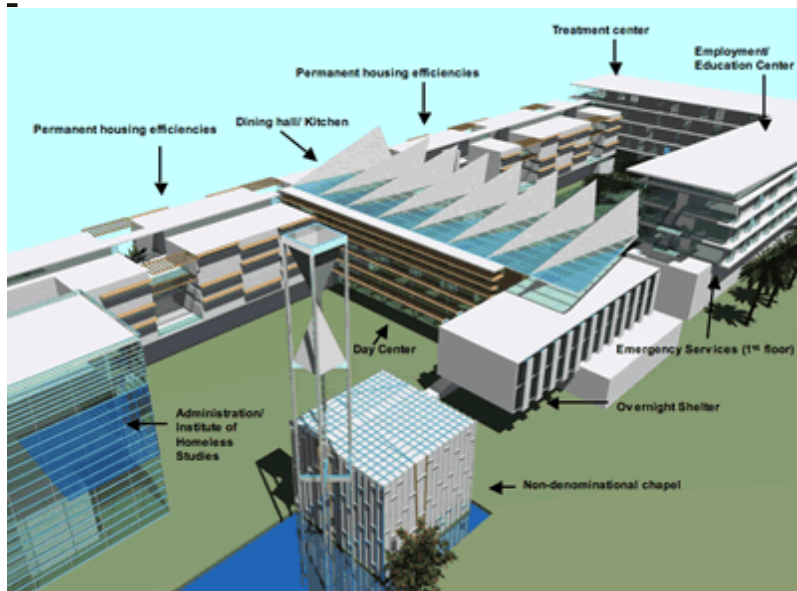


Dear Dave,),

We are trying to give a little "UP" to a market that is down. Florida Engineering Solutions wishes all of you the best and a more prosperous future.

Sincerely,

John Hoy, President
Florida Engineering Solutions, Inc.



NEW CAMULLUS HOUSE PROJECT

It's taken nearly 20 years of politicking and negotiations but, Miami's Camillus House shelter is finally underway. Coastal Construction was selected as the General Contractor with Concrete Structures Inc. providing the structural Precast. Construction of Phase I is expected to begin in May and will be completed after approximately 14 months. The new Camillus House Center will feature six buildings, including

Featured Article

Camillus House Project

Geek Speak!



Existing Building Code Pure Excitement

What's Going On!



\$1.2 billion Expansion of I-595 in South Florida.

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residential facilities for a total of 260 individuals who are chronically homeless. A seventh building consisting of 80 units of affordable housing apartments, will be built on the same site. The 3.1 acre property was transferred by the University Of Miami to the State in June of 2008. Developers of the new campus say the buildings will have a number of Eco-friendly features and "green" roofs, which will qualify them for gold certification from the U.S. Green Building Council.

Geek Speak

Reading the Florida Building Code is not the most exciting thing in the world, but we hope to make it a little less painful....

The code is actually written in a very methodical way in that it will place you at a starting point.-and a step -by -step-will deliver you to your destination.

Just because someone may cite a section of code does not mean that it applies to you - remember-you must be able to start from a section of code and arrive at that requirement.

One example on the structural side is the Florida Building Code-Existing Building (FBCEB). The FBCEB requires you to select an alteration level for any and all work done to an existing building.The FBCEB breaks this down to-levels 1,2 and 3 .On the structural side, the level 1 and 2 sections of the code do not have much affect,but the level 3 alteration level can be significant.

The FBCEB states:

* "405.0 -Scope. Level 3 alternations apply where the work area exceeds 50 percent of the aggregate area of building and made within any 12 month period".

Definitions are very important-check your definations within the FBC sections and could affect your project.

* 807.5.1-Evaluation and analysis. An engineering evaluation and analysis that establishes the structural adequacy of the altered structure shall be prepared by a registered architect or engineer and submitted to the building code official.

*807.5.2- Substantial structural alteration. Where more than 30 percent of the total sum of floor and roof areas of the building or structure has been or is proposed to be involved in structural alteration within a 12-month period, the evaluation and analysis shall demonstrate that the altered



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building or structure complies with the Florida Building Code, Building for wind loading.

*807.5.3- Limited structural alteration. Where not more than 30 percent of the total floor and roof areas of the building are involved in structural alteration within a 12 month period, the evaluation and analysis shall demonstrate that the altered building or structure complies with the loads applicable at the time of the original construction or of the most recent substantial structural alteration as defined by Section 807.5.2

Remember--you must meet the requirements for a level 3 alteration before any of the above take effect.

Florida Engineering Solutions can provide assistance with your next project - Give us a call - we would be happy to help. www.florida-engineer.com

What's Going On?

Groundbreaking marks Start of \$1.2 billion Expansion of I-595 in South Florida.

If you think interstate 595 is a mess now, just wait a few weeks. The barricades and temporary cameras popping up along the highway are just a teaser of what motorists will face between now and 2014. The \$1.2 billion makeover of I 595, the largest road project in Florida history, officially is under way. Ground Zero is I-595 and Pine Island Road, the first area where major road work is expected. By the end of the year, all of I-595 west of State Road 7 will be in various stages of upheaval. Much of the work will be done during "off peak hours" or at night, The contractor can't close lanes on I-595 during rush hour, but drivers still have to deal with shifting lanes. Several hundred State and local officials, contractors and engineers marked the start of the mammoth project with a ceremonial groundbreaking in front of I-595 and S.R. 84 just west of Nob Hill Road. The job will be finished in 4 and 1/2 years instead of the expected 15 years. A big chunk of the 1.2 billion spent on construction will go to build three reversible toll express lanes in the median that will carry eastbound traffic in the morning and westbound in the evening. Ramps that now force drivers to merge on and off the highway in the same spot will be replaced with new ramps that carry drivers entering I-595 will also gain two additional "regular" lanes in each direction. It will be done on schedule.

Florida Engineering Solutions

All of us at Florida Engineering Solutions appreciate you and your business. If we can be of any assistance with your next project, do not hesitate to contact us.

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