

FLORIDA BUILDING COMMISSION
Mechanical Technical Advisory Committee
Orlando, Florida
June 16-17, 2003

Minutes

The meeting was convened by Acting Chair Steve Bassett at 8:30 a.m. The agenda and minutes were approved once a quorum was present. Facilitator Rick Dixon explained the function of the TAC and worked with the TAC throughout to cover all required aspects of the code change process.

Voting Members Present:

Steve Bassett, Pete Quintela, Phillip Simmons, Donny Pittmann, Bob Andrews, Betsy Goll, Mike McCombs, Peggy Patterson (6/17/03).

Others Present: Harold Moore, Jasper Bailey, Bill Thomas, Joe Crum, Maury Jacobson, Walter Carson, Ann Stanton, Rick Dixon.

Meeting Objectives:

Review proposed code changes to the 2001 Florida Building Code, Mechanical, to provide recommendations to the Florida Building Commission at the 8/03 meeting.

Actions Taken:

Review of Proposed Code Changes and Local Amendments

The TAC reviewed all proposed mods and local amendments and recommended action on mods achieving a 75% vote. All actions taken by the TAC were recorded on the Mechanical code tracking chart. The tracking chart is hereby made part of these minutes.

Review of the Provisions of the 2003 International Mechanical Code

The TAC reviewed the 2003 International Mechanical Code as compared to the 2001 Florida Building Code, Mechanical, as part of the triennial code update process. When the TAC felt the Florida-specific criteria from the 2001 code should be retained, a motion and vote was taken to retain. All actions taken are on the Mechanical code tracking chart.

Adjourn:

The TAC adjourned at noon on June 17, 2003. It was decided that the TAC would reconvene informally that afternoon to go through the International Residential Code and list differences between the codes that would have an impact. Although a quorum of TAC members attended that meeting, no votes were taken. The list of differences developed is attached to these minutes.

**INTERNATIONAL RESIDENTIAL CODE
COMPARISON OF REQUIREMENTS WITH THE FBC-MECHANICAL**

IRC Section	Differences
M1202.3	IRC gives BD authority to reinspect equipment; FBC-M does not.
M1305.1.3	FBC-M has criteria for air handlers installed in attics that are not in IRC.
M1305.1.4.1	FBC-M provides an exception for existing slabs on ground clearance.
M1307.3	IRC requires 18" elevation of ignition source; FBC-M does not.
M1307.3.1	IRC requires protection from impact; FBC-M does not.
M1308.2	IRC requires protection of piping with shield plates; FBC-M does not.
M1401.4	IRC requires supports to prevent excessive vibration of equipment.
M1403.2	IRC requires 3" above grade for condenser pads; FBC-M requires 2".
M1407.3	IRC requires A/C & heat pumps located w/in 4 feet of a duct heater to be listed and labeled for duct heater installations.
M1411.3.1	IRC requires a secondary drain; FBC-M allows overflow indicator.
M1501.3	IRC on length limitation, allows booster fan; FBC-M adding in '04.
M1506.1-.3	IRC appears to require exhaust rates for kitchens & bathroom/toilet rooms; It is less clear than the FBC-M.
M1601.1.1	IRC allows building cavities to be used as return air plenums; Ch 13 FBC requires duct inserts for above ground duct systems.
M1601.3.2	IRC requires 18 gage support straps; more expensive.
M1601.3.3	IRC requires ducts in garages to have fireblocking (R309.1.1)
M1601.3.7	IRC requires ducts located in garages to be no.26 gage sheet steel or other approved material and no openings in garage (R309.1.1).
M1602.2 (4)	IRC wouldn't allow return air to mechanical closet unless ducted. No AHU in closets unless ducted. No water heater in AHU closet.
M1703.2	IRC requires 2 combustion openings, 1 high, 1 low; FBC-M only one.
G2439.5	FBC-M requires clothes dryer transition ducts to be metal.
R309.2	IRC requires separation. Garages and supports. Expensive drywall required. Fire dampers on penetrations.
R309.1	IRC: opening protection. Solid wood or metal door house into garage.
FBC-M Section	Differences
M603	More extensive Florida specific duct criteria per Ch 13 FBC.
M604	Balanced return air required by FL; not by IRC.
M301.13.1	Wind load strapping & bolting allowed for ground mounted equipment.