

FLORIDA BUILDING COMMISSION
Mechanical Technical Advisory Committee
Orlando, Florida
July 1, 2002

REPORT

Voting Members Present:

Peggy Patterson, Steve Bassett, Steve McCombs, Phillip Simmons, Pete Quintela, Don Pittman, Bob Andrews

Meeting Objectives:

1. Approve minutes and agenda.
2. Respond to DEC statement requests: **DCA02-DEC-176, DCA02-DEC-177, DCA02-DEC-184, DCA02-DEC-179, and DCA02-DEC-178.**
3. Consider whether there is a further need for clarity in the use of tapes vs. mastics in sealing duct.

General Comments:

DCA02-DEC-176

Petitioner asked for clarification as to whether the code requires air handlers located on a wooden frame platform in a garage to be protected with wheel stops or metal pipes placed to prevent a car from hitting the air handler.

The TAC questioned whether the DEC request was legally sufficient. When advised it was not, the proponent contacted his office and had an amendment faxed to the Department of Community Affairs with the address of a house in which the problem was encountered: 813 Seminole Drive, College Park, City of Orlando jurisdiction.

ACTION: On a motion from Bassett, the TAC voted 6 – 1 that section 304.4 requires elevation of appliances in garages unless other protection is provided. The building official is the authority who may determine if protection is sufficient.

DCA02-DEC-177

Petitioner seeks clarification as to whether section 403.3 of the code requires an exhaust fan in the garage of a single family home. He referenced the same home mentioned in DCA02-DEC-176 in an amended petition as encountering this problem.

ACTION: On a motion from McCombs, the TAC voted 5 – 2 that section 403.3 requires a private garage to *either* have 4 percent of its area in windows, doors or other openings *or* be mechanically ventilated to 100 cfm per car.

DCA02-DEC-184

Petitioner asked for clarification on section 403.3 on two questions:

1. On a residential garage does this give the engineer the option to comply with section 402 or 403, but not necessarily both?
2. Is it the intent of this section to include automobiles in single and multifamily garages?

ACTION: On a motion from Simmons, the TAC voted unanimously to send the DEC request back to the petitioner on grounds on legal insufficiency.

DCA02-DEC-179

Petitioner asked for clarification as to whether section 403.3 of the code requires mechanical ventilation of a home. He referenced the same home mentioned in DCA02-DEC-176 in an amended petition as encountering this problem.

ACTION: On a motion from Bassett, the TAC voted unanimously that section 403.3 may be met by compliance with section 403.5, ASHRAE 62, which provides that the 0.35 air change per hour rate for residential living spaces “is normally satisfied by infiltration and natural ventilation”.

DCA02-DEC-178

Petitioner seeks clarification as to whether section 601.4 of the code applies to bathrooms, laundry rooms and storage closets. He referenced the same home mentioned in DCA02-DEC-176 in an amended petition as encountering this problem.

ACTION: On a motion from Bassett, the TAC voted unanimously that section 601.4 of the code be clarified that air from bathrooms and laundry rooms with a high moisture content and objectionable odors should not be recirculated and should not have to demonstrate balanced return air and that closets without supply ducts need not have a return.

DCA02-DEC-183

Petitioner asked for clarification as to whether the Cladlite pad is in compliance with the intent of code section 304.7 for two installations, one in Miami and one in Tallahassee.

ACTION: On a motion from McCombs, the TAC voted unanimously that a 4” thick Cladlite pad is within the scope of “other approved material” subject to the building official’s approval.

MASTIC Vs. TAPE

The Chair asked the TAC whether they had seen any need for clarity as to whether the code requires the use of mastic or if UL tapes suffice for code compliance. The TAC indicated that the code was clear and that no clarification was needed.

OTHER BUSINESS:

A report prepared by Philip Wemhoff was given to the TAC with extensive results of further testing on the home L. Banks had reported on in May.

The meeting was adjourned at 11:30 a.m.