



Mechanical Glitch Modifications

This document created by the Florida Department of Community Affairs -
850-487-1824

Sub Code: Mechanical

Total Mods for Mechanical: 9

Date Submitted	3/1/2011	Section	301.13	Proponent	T Stafford
Chapter	3	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

Add reference to correct volume of the code.

Rationale

The specific volume of the Florida Building code should be identified to be consistent with other section of the code.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

No impact.

Impact to building and property owners relative to cost of compliance with code

No impact.

Impact to industry relative to the cost of compliance with code

No impact.

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

301.13 Flood hazard. For structures located in flood hazard areas, mechanical systems, equipment and appliances shall be located at or above the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment.

Exception: Mechanical systems, equipment and appliances are permitted to be located below the elevation required by Section 1612.4 of the of the *Florida Building Code, Building* for utilities and attendant equipment provided that they are designed and installed to prevent water from entering or accumulating within the components and to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding up to such.

Date Submitted	3/1/2011	Section	306.3.2	Proponent	T Stafford
Chapter	3	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

Add metric conversion to be consistent with balance of code

Rationale

Add metric conversion to be consistent with balance of code. The proposed code change will have no impact on small business.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

No impact

Impact to building and property owners relative to cost of compliance with code

No impact

Impact to industry relative to the cost of compliance with code

No impact

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

306.3.2 Air Handling Units. Air handling units shall be allowed in attics if the following conditions are met:

1. The service panel of the equipment is located within six (6) feet (1829 mm) of an attic access.
2. A device is installed to alert the owner or shut the unit down when the condensation drain is not working properly.
3. The attic access opening is of sufficient size to replace the air handler.
4. A notice is posted on the electric service panel indicating to the homeowner that the air handler is located in the attic. Said notice shall be in all capitals, in 16 point type, with the title and first paragraph in bold:

(no change to the remaining text)

Date Submitted	3/1/2011	Section	306.3	Proponent	T Stafford
Chapter	3	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

Correct metric conversion

Rationale

Metric conversion was not corrected when dimension was changed with code change. The proposed code change will have no impact on small business.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

No impact

Impact to building and property owners relative to cost of compliance with code

No impact

Impact to industry relative to the cost of compliance with code

No impact

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

306.3 Appliances in attics. Attics containing appliances shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest *appliance*. The passageway shall not be less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not more than 6 feet (1829 mm) in length measured along the centerline of the passageway from the opening to the *appliance*. The passageway shall have continuous solid flooring not less than 24 inches (610 mm) wide. A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the *appliance*. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), and large enough to allow removal of the largest *appliance*.

(no change to exceptions)

Date Submitted	3/1/2011	Section	401.4	Proponent	T Stafford
Chapter	4	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications

Summary of Modification

Add identification of code volume to be consistent with Florida Code format.

Rationale

The specific volume of the Florida Building code should be identified to be consistent with other section of the code. The proposed code change will have no impact on small business.

Fiscal Impact Statement

Impact to local entity relative to enforcement of code

No impact

Impact to building and property owners relative to cost of compliance with code

No impact

Impact to industry relative to the cost of compliance with code

No impact

Requirements

Has a reasonable and substantial connection with the health, safety, and welfare of the general public

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

401.4 Intake opening location. Air intake openings shall comply with all of the following:

1-3 No change

4. Intake openings on structures in flood hazard areas shall be at or above the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment.

Date Submitted	3/1/2011	Section	501.2.1	Proponent	T Stafford
Chapter	5	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

Add code volume to be consistent with other volumes of the Florida Code.

Rationale

The specific volume of the Florida Building code should be identified to be consistent with other section of the code. The proposed code change will have no impact on small business.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

No impact

Impact to building and property owners relative to cost of compliance with code

No impact

Impact to industry relative to the cost of compliance with code

No impact

Requirements**Has a reasonable and substantial connection with the health, safety, and welfare of the general public**

Not applicable. Corrects a conflict within the updated code.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

501.2.1 Location of exhaust outlets. The termination point of exhaust outlets and ducts discharging to the outdoors shall be located with the following minimum distances:

1-3 No change

4. Exhaust outlets serving structures in flood hazard areas shall be installed at or above the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment.

Date Submitted	3/1/2011	Section	501.2.2	Proponent	T Stafford
Chapter	5	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

Add identification of code volume to be consistent with Florida Code.

Rationale

The specific volume of the Florida Building code should be identified to be consistent with other section of the code. The proposed code change will have no impact on small business.

Fiscal Impact Statement**Impact to local entity relative to enforcement of code**

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Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

501.2.2 Exhaust opening protection. Exhaust openings that terminate outdoors shall be protected with corrosion resistant screens, louvers or grilles. Openings in screens, louvers and grilles shall be sized not less than ¼ inch (6mm) and not larger than 1/2 inch (13 mm). Openings shall be protected against local weather conditions. Louvers that protect exhaust openings in structures located in hurricane-prone regions, as defined in the *Florida Building Code, Building*, shall comply with AMCA Standard 550. Outdoor openings located in exterior walls shall meet the provisions for exterior wall opening protectives in accordance with the *Florida Building Code, Building*.

Date Submitted	3/1/2011	Section	602.4	Proponent	T Stafford
Chapter	6	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

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Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

602.4 Flood hazard. For structures located in flood hazard areas, plenum spaces shall be located above the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment or shall be designed and constructed to prevent water from entering or accumulating within the plenum spaces during floods up to such elevation. If the plenum spaces are located below the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment, they shall be capable of resisting hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding up to such elevation.

Date Submitted	3/1/2011	Section	603.13	Proponent	T Stafford
Chapter	6	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

Related Modifications**Summary of Modification**

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Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

603.13 Flood hazard areas. For structures in flood hazard areas, ducts shall be located above the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment or shall be designed and constructed to prevent water from entering or accumulating within the ducts during floods up to such elevation. If the ducts are located below the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment, the ducts shall be capable of resisting hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding up to such elevation.

Date Submitted	3/1/2011	Section	1305.2.1	Proponent	T Stafford
Chapter	13	Affects HVHZ	No	Attachments	No
TAC Recommendation	Pending Review				
Commission Action	Pending Review				
Comments					
General Comments	No	Alternate Language	No		

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Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction

Not applicable. Corrects a conflict within the updated code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities

Not applicable. Corrects a conflict within the updated code.

Does not degrade the effectiveness of the code

Not applicable. Corrects a conflict within the updated code.

1305.2.1 Flood hazard. All fuel oil pipe, equipment and appliances located in flood hazard areas shall be located above the elevation required by Section 1612.4 of the *Florida Building Code, Building* for utilities and attendant equipment or shall be capable of resisting hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding up to such elevation.