THE CITY OF FREDERICK
MAYOR AND BOARD OF ALDERMEN

RESOLUTION NO: 10-21

A RESOLUTION concerning

Amendments to the 2009 International Residential Code

BE IT RESOLVED BY THE MAYOR AND BOARD OF ALDERMEN OF THE CITY OF FREDERICK that the International Residential Code (2009), as adopted in Chapter 5 of the Frederick City Code, 1966 (as amended), is hereby amended as follows:

(a) CHAPTER 2. DEFINITIONS
SECTION R202 DEFINITIONS
Amend the definition of "townhouse" as follows:

TOWNHOUSE. A single-family dwelling unit constructed in a group of three or more attached units in which each unit extends from foundation to roof and with a yard or public way on at least [two sides] one side.

(b) CHAPTER 3. BUILDING PLANNING
TABLE R301.2(1)
Fill in table as follows:

TABLE R301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD psf	WIND DESIGN		SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	[FLOOD HAZARDS]	AIR FREEZIING INDEX	MEAN ANNUAL TEMP (Fahrenheit)
	Speed mph	Topographic effects		Weathering	Frost Line Depth (inches)	Termite					
40	90	No	B	Severe	30	Moderate to Heavy	12 F	Optional	---	Greater than 1500	52

(c) CHAPTER 3. BUILDING PLANNING
SECTION R302. FIRE-RESISTANT CONSTRUCTION
TABLE R302.6 Dwelling/Garage Separation
Add footnote to "From all habitable rooms above the garage", to read as follows:

[1] Not less than ½ inch gypsum board or equivalent when the garage is protected with fire sprinklers, such as through the use of dry sidewall or dry pendent sprinklers, in a manner approved by the AHJ.

(d) CHAPTER 3.
SECTION R302. FIRE-RESISTANT CONSTRUCTION
Section R302.7 Under-stair protection.

Add the following exception:

Exception: Half-inch gypsum board on the enclosed side is not required when the space is provided with fire sprinkler protection.

(e) CHAPTER 3. BUILDING PLANNING
SECTION R309. GARAGES AND CARPORTS
Section R309.4 Automatic garage door openers
Delete in its entirety.

(f) CHAPTER 3. BUILDING PLANNING
SECTION R310. EMERGENCY ESCAPE AND RESCUE OPENINGS
Section R310.1 Emergency escape and rescue required.
Amend as follows:

R310.1 Emergency escape and rescue required. [Basements, habitable attics] All new basements and every sleeping room shall have at least one operable emergency escape and rescue opening. [Where basements contain one or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room.] Where emergency escape and rescue openings are provided they shall have a sill height of not more than 44 inches (1118mm) above the floor. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with Section R310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. Emergency escape and rescue openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

Exception: Basements used only to house mechanical equipment and not exceeding total floor area of 200 square feet (18.58 m^2).

(g) CHAPTER 3. BUILDING PLANNING
SECTION R311. MEANS OF EGRESS
Section R311.3.1 Floor elevations at the required egress doors.
Amend as follows:

R311.3.1 Floor elevations at the required egress doors. Landings or floors at the required egress door shall not be more than 1 1/2 inches (38 mm) lower than the top of the threshold.

Exception: The exterior landing or floor shall not be more than [7 $^3/_4$ inches (196 mm)] 8 ¼ inches (210mm) below the top of the threshold provided the door does not swing over the landing or floor.

(h) CHAPTER 3. BUILDING PLANNING
SECTION R311. MEANS OF EGRESS
Section R311.7.4.1 Riser height.
Amend as follows:

R311.7.4.1 Riser height. The maximum riser height shall be [7 $^3/_4$ inches (196 mm)] 8 ¼ inches (210mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

(i) CHAPTER 3. BUILDING PLANNING

SECTION R311. MEANS OF EGRESS
Section R311.7.4.2 Tread depth.
Amend as follows:

R311.7.4.2 Tread depth. The minimum tread depth shall be **[**10 inches (254 mm)**]** 9 inches (229 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than $^3/_8$ inch (9.5 mm). Consistently shaped winders at the walkline shall be allowed within the same flight of stairs as rectangular treads and do not have to be within $^3/_8$ inch (9.5 mm) of the rectangular tread depth. Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured between the vertical planes of the foremost projection of adjacent treads at the intersections with the walkline. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point within the clear width of the stair. Within any flight of stairs, the largest winder tread depth at the walkline shall not exceed the smallest winder tread by more than $^3/_8$ inch (9.5 mm).

(j) CHAPTER 3. BUILDING PLANNING
SECTION R311. MEANS OF EGRESS
Section R311.7.4.3 Profile.
Amend as follows:

R311.7.4.3 Profile. Exceptions: 1. A nosing is not required where the tread depth is a minimum of **[**11 inches (279 mm)**]** 10 inches (254 mm).

(k) CHAPTER 3. BUILDING PLANNING
SECTION R311. MEANS OF EGRESS
Section R311.7.7.2 Continuity
Amend as follows:

R311.7.7.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than $1^1/_2$ inch (38 mm) between the wall and the handrails.

Exceptions:

1. Handrails shall be permitted to be interrupted by a newel post at the turn.

2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

3. Where walls are non-continuous, alternative non-continuous handrails may be approved by the code official on a case-by-case basis.

(l) CHAPTER 3. BUILDING PLANNING
SECTION R322. FLOOD-RESISTANT CONSTRUCTION
Delete in its entirety and add note as follows:

Refer to the City's Floodplain Ordinance (Chapter 25, Article x of the Frederick City Code).

(m) CHAPTER 4. FOUNDATIONS
SECTION R403. FOOTINGS.

Section R403.1.4.1 Frost protection.
Amend as follows:

Section R403.1.4.1 Frost protection. Except where otherwise protected from frost, foundation walls, piers and other permanent supports of buildings and structures shall be protected from frost by one or more of the following methods:

1. Extended below the frost line specified in Table R301.2.(1);

[2. Constructing in accordance with Section R403.3;]

[3.] 2. Constructing in accordance with ASCE 32; or

[4.] 3. Erected on solid rock.

Exceptions:

1. Protection of freestanding accessory storage structures with an area of [600] 400 square feet [(56 m2)] or [less, of light-frame construction, with] less and an eave height of 10 feet (3048) mm) or less shall not be required;

2. [Protection of freestanding accessory structures with an area of 400 square feet (37 m2) or less, of other than light-frame construction, with an eave height of 10 feet (3058 mm) or less shall not be required.] Structures with an area of 400 square feet or more will require permanent footings or foundations in accordance with the Building Code.

3. Decks not supported by a dwelling [need not be provided with] will require footings [that extend below the frost line] in accordance with the Building Code unless joist members are in direct contact with the earth.

Footings shall not bear on frozen soil unless the frozen condition is permanent.

(n) CHAPTER 4. FOUNDATIONS
SECTION R403. FOOTINGS.
Section R403.3 Frost protected shallow foundations.
Delete in its entirety

(o) CHAPTER 6. WALL CONSTRUCTION.
SECTION R612. EXTERIOR WINDOWS AND DOORS.
Section R612.2 Window sills.
Delete in its entirety

(p) CHAPTER 8. ROOF-CEILING CONSTRUCTION.
SECTION R802. WOOD ROOF FRAMING.
R802.10.5 Truss to wall connection.
Amend as follows:

R802.10.5 Truss to wall connection. Trusses shall be connected to wall plates by the use of [approved] mechanical connectors having a resistance to uplift of not less than 175 pounds (779 N) and shall be installed in accordance with the manufacturer's specifications. For roof assemblies subject to wind uplift

pressures of 20 pounds per square foot (960 Pa) or greater, as established in TableR301.2(2), adjusted for height and exposure per Table R301.2(3), see section R802.11.

(q) CHAPTER 11. ENERGY EFFICIENCY

Delete Chapter 11 in its entirety and add note as follows:

Note: For the applicable requirements concerning energy efficiency, refer to the 2009 International Energy Conservation Code.

(r) PART V -- MECHANICAL

Delete Part V in its entirety and add note as follows:

Note: For the applicable requirements concerning mechanical systems, refer to the City's mechanical code (adopted in Chapter 5 of the City Code) and the mechanical code adopted pursuant to the § 9A-205, Business Regulations Article, Annotated Code of Maryland.

(s) PART VII -- PLUMBING

Delete Part VII in its entirety and add note as follows:

Note: For the applicable requirements concerning plumbing, refer to the City's Plumbing and Gas Code (Chapter 16 of the Frederick City Code), which adopts by reference the Maryland Plumbing Code.

(t) PART VIII -- ELECTRICAL

Delete Part VIII in its entirety and add note as follows:

Note: For the applicable requirements concerning electrical work, refer to the City's Electrical Code (Chapter 26 of the Frederick City Code) and the National Electrical Code as adopted and enforced pursuant to the Maryland Annotated Code, Public Safety Article, Title 12, Subtitle 6.

(t) PART VI -- FUEL GAS

Delete Part VI in its entirety and add note as follows:

Note: For the applicable fuel gas requirements, refer to the National Fuel Gas Code as adopted by the Maryland State Plumbing Code, which is adopted by reference as part of the City's Plumbing Code (Chapter 16 of the Frederick City Code).

ADOPTED AND APPROVED THIS 15th DAY OF JULY, 2010.

Witness

Randy McClement, Mayor

Approved for Legal Sufficiency:

Legal Department