

# BROWARD COUNTY BOARD OF RULES AND APPEALS

ONE NORTH UNIVERSITY DRIVE  
SUITE 3500-B  
PLANTATION, FLORIDA 33324

PHONE: 954-765-4500  
FAX: 954-765-4504

[www.broward.org/codeappeal](http://www.broward.org/codeappeal)

### 2021 Voting Members

#### **Chair**

Mr. Daniel Lavrich,  
P.E., S.I., SECB, F.ASCE, F.SEI  
Structural Engineer

#### **Vice-Chair**

Mr. Stephen E. Bailey, P.E.  
Electrical Engineer  
Mr. John Famularo,  
Roofing Contractor  
Mrs. Shalanda Giles Nelson,  
General Contractor  
Mr. Daniel Rourke  
Master Plumber  
Mr. Gregg D'Attila,  
Mechanical Contractor  
Mr. Ron Burr  
Swimming Pool Contractor  
Mr. John Sims,  
Master Electrician  
Mr. Dennis A. Ulmer  
Consumer Advocate  
Mr. Abbas H. Zackria, CSI  
Architect  
Mr. Robert A. Kamm, P.E.  
Mechanical Engineer

#### **Vacant**

Representative Disabled Community  
Mr. Sergio Pellecer  
Fire Service Professional

### 2020 Alternate Board Members

Mr. Jeff Falkanger  
Architect  
Mr. Steven Feller, P.E.  
Mechanical Engineer  
Mr. Alberto Fernandez,  
General Contractor  
Mr. Robert Taylor  
Fire Service

#### **Vacant**

Structural Engineer  
Mr. David Rice, P.E.  
Electrical Engineer  
Mr. James Terry,  
Master Plumber  
Mr. David Tringo,  
Master Electrician  
Mr. William Flett,  
Roofing Contractor

#### **Board Attorney**

Charles M. Kramer, Esq.


#### **Board Administrative Director**

James DiPietro

—ESTABLISHED 1971—

## Typographical Errors in the FBC 7th Edition (2020) Test Protocols for High Velocity Hurricane Zone, RAS 127 Tables.

### FORMAL INTERPRETATION (#27)

**DATE:** February 11<sup>th</sup>, 2021  
**TO:** All Building Officials in Broward County  
**FROM:** James DiPietro, Administrative Director   
**SUBJECT:** Interpretation of Typographical Errors in FBC Test Protocols for High Velocity Hurricane Zone, RAS 127 Tables

At their meeting of February 11<sup>th</sup>, 2021, the Board discussed a request for interpretation on whether corrections to typographical errors in the Florida Building Code Test Protocols for High Velocity Hurricane Zone, Roofing Application Standard 127 (RAS 127) meet the minimum requirements of the Code and can be used throughout Broward County.

During transmission of referenced data to the Florida Building Commission, a glitch occurred causing the final values which are published in the current Code to include typographical errors in four of the published RAS 127 tables.

Upon discussion, the Board agreed and interpreted that **“The corrected Tables meet the minimum requirements of the Code and can be used throughout Broward County.”**

Attached are the corrected Tables. Tables 3, 6 and 12 now reflect the correct roof wind zones. Table 8 now reflects the correctly calculated values.

Building Officials are requested to post and distribute this information widely, as appropriate, to ensure that the construction industry and design professionals are aware of the interpretation of the referenced RAS 127 Tables.

Issued: February 11<sup>th</sup>, 2021  
Effective Date: February 11<sup>th</sup>, 2021

\*\*\*\*\*PLEASE POST AT YOUR PERMIT COUNTER\*\*\*\*\*

<b>TABLE 3 — GABLE ROOFS</b>			
<b>MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE – &gt;6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “C”</b>			
<b>Roof Mean Height</b>	<b>Roof Pressure Zones</b>		
	<b>1, 2e and 2r</b>	<b>2n and 2r3r</b>	<b>3e</b>
≤15'	-67	-74	-115
>15 to ≤20'	-71	-78	-122
>20' to ≤25'	-74	-82	-127
>25' to ≤30'	-78	-85	-132
>30 to ≤35'	-80	-88	-137
>35 to ≤40'	-82	-91	-141
>40' to ≤45'	-85	-93	-146
>45' to ≤50'	-86	-95	-147
>50' to ≤55'	-88	-97	-151
>55' to ≤60'	-89	-98	-153

<b>TABLE 6 — GABLE ROOFS</b>			
<b>MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE - &gt;6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “D”</b>			
<b>Roof Mean Height</b>	<b>Roof Pressure Zones</b>		
	<b>1, 2e and 2r</b>	<b>2n and 2r3r</b>	<b>3e</b>
≤15'	-82	-90	-140
>15 to ≤20'	-86	-94	-146
>20' to ≤25'	-87	-98	-151
>25' to ≤30'	-92	-101	-157
>30 to ≤35'	-94	-103	-161
>35 to ≤40'	-97	-106	-165
>40' to ≤45'	-99	-109	-168
>45' to ≤50'	-101	-111	-172
>50' to ≤55'	-102	-112	-174
>55' to ≤60'	-104	-114	-177

<b>TABLE 8 — HIP ROOFS</b>			
<b>MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE –</b>			
<b>&gt;4:12 to ≤6:12 RISK CATEGORY II EXPOSURE CATEGORY “C”</b>			
<b>Roof Mean Height</b>	<b>Roof Pressure Zones</b>		
	<b>1</b>	<b>2e, 2r and 3</b>	<b>3</b>
≤15'	-71 -54	-91 -74	-111
>15 to ≤20'	-75 -57	-97 -78	-118
>20' to ≤25'	-79 -59	-101 -82	-124
>25' to ≤30'	-82 -62	-105 -85	-129
>30 to ≤35'	-84 -64	-109 -88	-133
>35 to ≤40'	-87 -66	-112 -90	-137
>40' to ≤45'	-89 -67	-114 -92	-140
>45' to ≤50'	-91 -69	-117 -95	-143
>50' to ≤55'	-93 -70	-120 -97	-146
>55' to ≤60'	-94 -72	-122 -99	-149

<b>TABLE 12 — HIP ROOFS</b>				
<b>MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE -</b>				
<b>&gt;6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “D”</b>				
<b>Roof Mean Height</b>	<b>Roof Pressure Zones</b>			
	<b>1</b>	<b>2r2e</b>	<b>2e2r</b>	<b>3</b>
≤15'	-69	-119	-123	-156
>15 to ≤20'	-73	-124	-129	-163
>20' to ≤25'	-75	-129	-133	-169
>25' to ≤30'	-78	-134	-138	-175
>30 to ≤35'	-80	-137	-142	-180
>35 to ≤40'	-82	-141	-145	-184
>40' to ≤45'	-84	-143	-148	-188
>45' to ≤50'	-85	-146	-151	-192
>50' to ≤55'	-87	-149	-154	-195
>55' to ≤60'	-88	-151	-156	-198