



# BROWARD COUNTY BOARD OF RULES AND APPEALS

## FBC 8<sup>TH</sup> EDITION (2023) FORMAL INTERPRETATION (#27)

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### 2024 Voting Members

**Chair Gregg D'Attile,**  
Mechanical Contractor

**Vice-Chair Ron Burr,**  
Swimming Pool Contractor

**Mr. Stephen Bailey, P.E.,**  
Electrical Engineer

**Mr. John Famularo,**  
Roofing Contractor

**Mrs. Shalanda Giles Nelson,**  
General Contractor

**Mr. Robert A. Kamm, P.E.,**  
Mechanical Engineer

**Mr. Daniel Lavrich, P.E., S.I.,**  
F.A.SCE, F.SEI, Structural Engineer

**Mr. Sergio Pellecer,**  
Fire Service Professional

**Mr. Daniel Rourke,**  
Master Plumber

**Mr. John Sims,**  
Master Electrician

**Mr. Dennis A. Ulmer,**  
Consumer Advocate

**Ms. Lynn E. Wolfson,**  
Disabled Community Representative

**Mr. Abbas H. Zackria, CSI,**  
Architect

### 2024 Alternate Board Members

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**Mr. Jeff Falkanger,**  
Architect

**Mr. Alberto Fernandez,**  
General Contractor

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Electrical Engineer

**Mr. Robert Taylor,**  
Fire Service Professional

**Mr. James Terry,**  
Master Plumber

**Mr. David Tringo,**  
Master Electrician

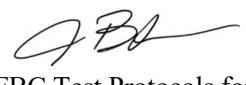
**Mr. Derek A. Wassink, P.E., R.A., S.I.,**  
S.T.S.2., Structural Engineer

**VACANT,**  
Roofing Contractor

**Board Attorney**  
Charles M. Kramer, Esq.

**Board Administrative Director**  
Dr. Ana Barbosa

— Established 1971 —

**DATE:** October 12, 2023  
**TO:** All Building Officials  
**FROM:** Dr. Ana Barbosa, Administrative Director   
**SUBJECT:** Interpretation of Typographical Errors in FBC Test Protocols for High Velocity Hurricane Zone, RAS 127 Tables

At its regularly scheduled meeting on October 12, 2023, the Board discussed a request for interpretation on whether corrections to typographical errors in the Florida Building Code Test Protocols or 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 DATE:** February 11, 2021  
**EFFECTIVE DATE:** December 31, 2023

**\*\*\* 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</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