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MEMO

TO: **All Building Officials in Miami-Dade County**

FROM: **Secretary of the Board** for
Board of Rules and Appeals (BORA)

DATE: **January 22nd, 2021**

SUBJECT: **BORA Interpretation**
Interpretation of Typographical Errors in FBC Test Protocols for High Velocity Hurricane Zone, RAS 127 Tables

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At their meeting of January 21st, 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 Miami-Dade 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 Miami-Dade 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.

Should you have any questions, please contact Gaspar Rodriguez, Senior Code Officer, Roofing at (786) 315-2232.

TABLE 3 — GABLE ROOFS MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE – >6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “C”			
Roof Mean Height	**Roof Pressure Zones**		
	1, 2e and 2r	**2n and ~~2r~~3r**	**3e**
≤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

TABLE 6 — GABLE ROOFS MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE - >6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY “D”			
Roof Mean Height	**Roof Pressure Zones**		
	1, 2e and 2r	**2n and ~~2r~~3r**	**3e**
≤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

TABLE 8 — HIP ROOFS MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE – >4:12 to ≤6:12 RISK CATEGORY II EXPOSURE CATEGORY "C"			
Roof Mean Height	**Roof Pressure Zones**		
	1	**2e, 2r and 3**	**3**
≤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~~

TABLE 12 — HIP ROOFS MINIMUM ASD DESIGN WIND UPLIFT PRESSURES IN PSF FOR ROOF SLOPE - >6:12 to ≤12:12 RISK CATEGORY II EXPOSURE CATEGORY "D"				
Roof Mean Height	**Roof Pressure Zones**			
	1	**~~2r~~2e**	**~~2e~~2r**	**3**
≤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