



# Performance Report

**DBA: RENEWAL BY ANDERSEN OF NORTH AND CENTRAL FLORIDA**  
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The following table identifies fenestration performance requirements using the listed code, values, and coefficients. Calculation is based on the Winde application if the Zone and GCp values are populated to the individual unit calculations table. If GCp and Zone are listed as N/A, required unit performance rating was manually defined. When manual entries occur, it is Renewal by Andersen of North and Central Florida's responsibility to ensure the state, county, and/or municipality receives the proper data for state and local code requirements. A manually entered report will only be used in accordance when state and local building codes are met or exceeded.

## SITE-SPECIFIC CONDITIONS

| ASCE STANDARD                         | WIND ZONE (MPH) | EXPOSURE | MEAN ROOF HEIGHT (FT) | K <sub>Z</sub> VALUE | RISK CATEGORY | WIND-BORNE DEBRIS REGION |
|---------------------------------------|-----------------|----------|-----------------------|----------------------|---------------|--------------------------|
| Wind Speed: 7-16<br>Performance: 7-16 | 117             | B        | 25                    | + 0.6 / - 0.6        | II            | NO                       |

## INDIVIDUAL UNIT CALCULATIONS

| ID  | ROOM    | PRODUCT TYPE         | UNIT SIZE (in)  | UNIT/TWA AREA (ft <sup>2</sup> ) | ZONE   | GCp             | REQUIRED UNIT PERFORMANCE RATING | ACTUAL UNIT PG | ACTUAL UNIT DP | UNIT IMPACT RATED | APPROVAL NUMBER(S) |
|-----|---------|----------------------|-----------------|----------------------------------|--------|-----------------|----------------------------------|----------------|----------------|-------------------|--------------------|
| 101 | Kitchen | A-Series Traditional | 141 x 82 3/8    | 80.66                            | Zone 4 | + 0.83 / - 0.93 | + 12 / - 13.2                    | 50             | + 50 / - 50    | NO                | FL14429            |
| 102 | Kitchen | Casement - Single    | 22 3/4 x 70     | 11.06                            | Zone 4 | + 1 / - 1.1     | + 13.9 / - 15                    | 40             | + 40 / - 40    | NO                | FL19560            |
| 103 | Kitchen | Picture              | 46 7/8 x 70 1/4 | 22.87                            | Zone 4 | + 0.97 / - 1.07 | + 13.1 / - 14.3                  | 50             | + 50 / - 50    | NO                | FL19562            |
| 104 | Kitchen | Casement - Single    | 22 3/4 x 70 1/4 | 11.10                            | Zone 4 | + 0.98 / - 1.08 | + 13.7 / - 14.9                  | 40             | + 40 / - 40    | NO                | FL19560            |

### Values and assumptions used for Design Pressure Calculations:

- Design Pressure calculations are based on ASCE 7-16.
- No topographical effects (K<sub>zT</sub> at 1.0)
- Velocity pressure exposure coefficient (K<sub>z</sub>) is captured per site specific conditions
- Directionally factor K<sub>d</sub> of 0.85
- Velocity Pressure (PSF) based on all selection building and site conditions
- Internal pressure coefficient (GC<sub>pi</sub>) is +/- 0.18
- External pressure coefficient (GC<sub>p</sub>) is captured on individual unit calculations

### Windborne Debris Regions require that window and door openings have opening protection via:

- An impact rated window or door, or
- An impact rated shutter or other impact rated coverings, or
- Wood structural panels of a certain type, thickness, and fasteners, etc.

This Performance Report and the information within this Performance Report may only be used in connection with Renewal by Andersen products, only at the address listed above, only for the products identified above, and only for the homeowner listed above. Performance of other units not listed may vary. The information in this Performance Report must be confirmed by the local Renewal by Andersen retailer with your local building code official. This Performance Report is issued solely by the legal entity listed under "Legal Name" above.