

PALM HARBOR LIBRARY
PALM HARBOR, FLORIDA

SECTION 10710 - EXTERIOR HURRICANE PANELS

GENERAL

1.1 SECTION INCLUDES

- A. Removable storm panels for the front entrance.

1.2 PERFORMANCE REQUIREMENTS

- A. General: Provide removable storm panels engineered, fabricated, and installed to withstand normal thermal movement, wind loading, and impact loading without failure, as demonstrated by testing manufacturer's standard assemblies in accordance with the Florida Building Code requirements for the project site.
- B. Test Criteria: Testing shall be performed by a qualified independent testing agency based on the following criteria:
 - 1. Design wind velocity shall be 140 mph.

1.2 SUBMITTALS

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data for removable storm panel, including the following:
 - 1. Construction details and installation methods.
 - 2. Profiles and dimensions of individual components.
 - 3. Data on hardware, accessories, and finishes.
 - 4. Recommendations for maintaining and cleaning exterior surfaces.
- C. Shop Drawings showing fabrication and installation of each type of window required including information not fully detailed in manufacturer's standard Product Data and the following:
 - 1. Layout and installation details, including anchors.
 - 2. Elevations
 - 3. Section details of typical composite members, including anchorage and attachment methods required by the NOA.
 - 4. Installation, storage and maintenance data
- A. Store products in manufacturer's unopened packaging until ready for installation.

PART 2 PRODUCTS

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2.1 ACCEPTABLE MANUFACTURERS

- A. Willard Shutter Co., Inc.,
- B. Euro Shutters
- C. JP Hurricane Shutters
- D. Storm Shutter Specialists
- E. Equivalent products of other manufacturers meeting all specification requirements will be considered.

2.2 MATERIALS

- A. Removable Storm Panels: Roll-formed corrugated panels, with mounting accessories and anchors.
 - 1. Construct to withstand maximum positive and negative wind pressure required by the Florida Building Code without damage or failure of anchors; provide panel design and thickness as required.
 - 2. Panels: Aluminum.
 - 3. Header - Extruded Aluminum Channel and Extruded Alum. Angle with studs for wing nuts.
 - 4. Head and Sill for floor slab mounting: Machine screw anchors into keyhole washer wall anchor, along top and sides of panel; Header and Sill Removable with permanent wall and floor slab anchors.
 - 5. Finish: Clear anodized.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Adjust for proper operation.

3.3 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products and finishes before Substantial Completion.

END OF SECTION