



JHRG, LLC
303 S. Pine Street
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Spring Hope, NC 27882
www.jhrllc.com

SECTION – 10 71 16.13

STORM PANELS, DEMOUNTABLE

with optional Sunbrella® accent trim and egress zipper

PART 1

GENERAL

1.1 SECTION INCLUDES

- A. Demountable Storm Panels
- B. Storm panel hardware.

1.2 RELATED SECTIONS

- A. Sunbrella fabric color/pattern options.

1.3 REFERENCES

- A. TAS 201-94; TAS 202-94; TAS 203-94
- B. ASTM E 330-02
- C. ASTM E 1886 - Standard Test method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missiles and Exposed to Cyclic Pressure Differentials.
- D. ASTM E 1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Windborne Debris in Hurricanes.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's "Installation Manual"
 - 1. Drawings titled "JHRG03" sheets 1-4 include
 - i. product design drawings
 - ii. hardware specifications
 - iii. installation instructions
 - iv. anchor schedules
- B. Sample: one set of color swatches representing all standard colors and patterns for optional Sunbrella trim.
- C. Verification Samples: two samples, six- inches (150 mm) square, representing Storm Panel fabric, color and texture.
- D. Notes to Installers
 - 1. DVD-based manufacturers guide discussing measuring, ordering format, installation procedure, warranty and preventive maintenance.

1.5 QUALITY ASSURANCE

- A. Storm Rated Hurricane Panels: The completed panel assembly conforms to:
 - 1. ASTM E 330-02 for Static Air Pressure.
 - 2. ASTM E 1886 and ASTM E 1996 for large missile impact and cyclic pressure loading.
- B. Thermal Stability: panels thermally stable from minus 40 degrees F (minus 40 C) to 200 degrees F (93 C).

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's original, unopened packaging, with labels clearly identifying product name and manufacturer.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Store materials in a clean, cool and dry area in accordance with manufacturer's instructions. Do not fold or bend panels or leave panels in direct sunlight.
- D. Protect materials during handling and installation to prevent damage.

1.7 PROJECT CONDITIONS

- A. Do not install Storm Panels products under environmental conditions, particularly when windy, outside manufacturer's advice specified in submittal "Notes to Installers."

1.8 WARRANTY

- A. Manufacturer warrants final product free from defects in material or workmanship for 10 Years.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Acceptable Manufacturer: JHRG LLC located at 303 S. Pine Street, Spring Hope, NC 27882 Toll Free Tel: 800-849-4997; 252-4784997; FAX 252-478-4998 Email: info@hsarmor.com; Web: www.stormarest.com
- B. Substitutions: None.
- C. Requests for substitutions will not be considered.

2.2 MATERIALS & CERTIFIED HARDWARE

- A. Fabric Storm Panels: Patented fabric 509WE/PEH2 trade named Supreme Protector coated on two sides with wind/water impervious polymer; attachment edges are reinforced with aluminum flat stock and stainless steel grommets. Panels may be produced with optional Sunbrella UV/decorative trim and egress zipper with a

- 1. Bearing orientation (width or height):
 - a. Maximum 124.5"
- 2. Non-bearing orientation:

a. Unlimited

3. Colors:

a. white

4. Hardware:

a. TapconSG by ITW Buildex (#25C75MCSS) with ITW Buildex nickel plated washered wingnut (#25CNWW/HD), 1/4 x 20

b. Sammy (reg) by ITW Buildex (#/SSS25C175) with ITW combination sidewalk bolt (25C75MCSS), 1/4 x 20

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly assessed.
- B. If substrate preparation is the responsibility of another installer, notify architect of unsatisfactory preparation before proceeding.
- C. Commencement of work will imply acceptance of substrate.

3.2 PREPARATION

- A. None required.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions described in submittals.
- B. Install Storm Panels for flat, taut finish.

3.4 PROTECTION

- A. Protect installed products from damage by weather and other work until date of installation.

END OF SECTION

Submittals:

- 1. Installation Manual
http://www.stormarest.com/FL11565_Ro_II_JHRGo3.pdf
- 2. Sunbrella color swatch book attached, two/ea
- 3. Fabric 904WE/PEH2 swatch attached 6" x 6", two/ea
- 4. Manufacturers "Notes to Installers"