Product Approval

FL #  FL7625
Application Type  New
Code Version  2004
Application Status  Approved
Comments
Archived

Product Manufacturer  CAT-5 Protection, Inc.
Address/Phone/Email  160 SW 12th Ave. Suite 106
Deerfield Beach, FL 33442
(954) 571-9718 ext 0
info@hurricane-net.com

Authorized Signature  Pomerantz Jorge
ingconsultants@yahoo.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category  Shutters
Subcategory  Products Introduced as a Result of New Technology

Compliance Method
Evaluation Report from a Florida Registered Architect/Licensed Florida Professional Engineer
Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name  Jorge A. Pomerantz
Florida License  PE-55326

http://www.floridabuilding.org/pr/pr_app_dtl.aspx?param=wGFVXOwgDquAiemHw61GbhH38z%2bsrT
5/14/2007
Quality Assurance Entity: PFS Corporation
Validated By: Michael LeComte, PE

Certificate of Independence: FL7625_R0_COI_Cert_Indep.pdf

Referenced Standard and Year (of Standard):

<table>
<thead>
<tr>
<th>Standard</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E1886</td>
<td>2002</td>
</tr>
<tr>
<td>ASTM E1996</td>
<td>2002</td>
</tr>
<tr>
<td>ASTM E330</td>
<td>2002</td>
</tr>
<tr>
<td>TAS 201</td>
<td>1994</td>
</tr>
<tr>
<td>TAS 202</td>
<td>1994</td>
</tr>
<tr>
<td>TAS 203</td>
<td>1994</td>
</tr>
</tbody>
</table>

Equivalence of Product Standards
Certified By:

Sections from the Code:

Product Approval Method: Method 1 Option D

Date Submitted: 09/22/2006
Date Validated: 12/11/2006
Date Pending FBC Approval: 10/05/2006
Date Approved: 12/11/2006

Summary of Products:

<table>
<thead>
<tr>
<th>FL #</th>
<th>Model, Number or Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7625.1</td>
<td>CAT-5 Hurricane Net</td>
<td>Impact Resistant Shutter System</td>
</tr>
</tbody>
</table>

**Limits of Use**
- Approved for use in HVHZ: No
- Approved for use outside HVHZ: Yes
- Impact Resistant: Yes
- Design Pressure: +96.7 /-96.7
- Other: See installation drawing for additional limits of use.

**Installation Instructions**
- FL7625_R0_IE_Appvl_Dwg.pdf
- Verified By: Jorge A. Pomerantz, PE PE

**Evaluation Reports**
- FL7625_R0_IE_06-027_ASTMD.pdf
- FL7625_R0_IE_06-027_TAS.pdf
- FL7625_R0_IE_Calculations.pdf
- FL7625_R0_IE_Eval_Report.pdf
CAT-5 IMPACT PROTECTION APPROVAL DOCUMENT

NOTE: FABRIC SHALL BE INSTALLED WITH EVEN TENSION ALONG ROPE LACING & WITHOUT EXCESSIVE SLACK.

7'-6" MIN SEAM SPACING (SEAMS OPTIONAL)

7'-6" MIN SEAM SPACING (SEAMS OPTIONAL)

ANCHORS SPACED PER ANCHOR SCHEDULE

EXISTING HOST STRUCTURE BEYOND

1/4" NYLON ROPE DOUBLED FOR VERTICAL RUNS FOR ANCHORS AT 12'-6" O.C. (SIMPLE LACING TYP FOR ANCHORS AT 8'-0" O.C.) (SEE DETAIL 5 PAGE 2, TOP & BOTTOM TYP.)

MAXIMUM REACTIONS AT TOP & BOTTOM ANCHOR POINTS:
- 222 LB/FT HORIZONTAL
- 474 LB/FT VERTICAL

8'-0" MAX FABRIC TOTAL OF 48" MAX NYLON ROPE (TOP + BOTTOM), TIED THRU EYEBOLTS PER DETAIL 5 PAGE 2

DISTANCE BETWEEN OPENING SHALL EQUAL THE MAX PROJECTION AWAY FROM GLAZING OR TERMINATE AT ADJACENT HOST STRUCTURE

4'-0" MIN - 8'-0" MAX (MEASURED ALONG FABRIC)

14'-4" MAX SLOPE

DISTANCE MAY VARY, PROV THAT GLASS SEPARATION & SLOPE ARE MAINTAINED

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE PER ASTM E330, E1198, & E1296 TEST STANDARDS.

2. NO 33-1/2% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR COEF. 1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN. #2 DOWS FOR 0.27 PSI REQUIRED.

3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODES.

4. MULTI-UNIT BUILDINGS MAY BE INSTALLED TO UNLIMITED WIDTH AS SHOWN.

5. THE SYSTEM DESCRIBED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DESCRIBED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.

6. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS AND CALCULATED REACTIONS.

7. TOP & BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PRODUCT MAY BE INSTALLED VERTICALLY OR HORIZONTALLY AS APPROPRIATE.

8. FABRIC IS COMPOSED OF PLAIN WEAVE FABRIC CONSISTING OF 0.37" DIAMETER VINYL COATED DOUBLE DENIER STRAND POLYESTER CORE YAMS IN WARP AND FILL.

9. ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSIILE YIELD STRENGTH OF 60 KSI.

MAXIMUM ALLOWABLE PRESSURES

+96.7 PSF
-96.7 PSF

MAXIMUM DESIGN PRESSURES HAVE BEEN DETERMINED IN CONSIDERATION OF THE FABRIC'S POROSITY (46.72% OPEN) AND ALL HEMS & SEAMS.