High Velocity Hurricane Zone (HVHZ) Applications
Series 381 Medium Stile Impact-Resistant Entrances (Wet-Glazed)

Qualified System Configuration Chart

<table>
<thead>
<tr>
<th>Design Pressure P.S.F.</th>
<th>Maximum Door Size</th>
<th>Maximum Glass Size</th>
<th>Qualified Glass Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series 381 Medium Stile - Large Missile Impact</td>
<td>42 x 96</td>
<td>84 x 96</td>
<td>32½” x 81 ¾”</td>
</tr>
</tbody>
</table>

Hurricane Impact-Resistant Products Disclaimer Note
Coral's hurricane impact-resistant products meet a variety of test standards for applications in coastal construction regions satisfying the demands for wind-borne debris hazards and high-velocity winds associated with hurricanes. All of Coral's hurricane impact-resistant products are independent laboratory tested based on a variety of test standards for air infiltration, structural loads, missile impact and air-pressure cycling based on ASTM and/or Florida Building Code. The information chart above is intended to provide recommended limits in frame heights, glass sizes and design pressures based on product testing. When exceeding conditions listed above, it is recommended to consult with a licensed structural engineer or contact Coral Architectural Products.

Hardware Applications

Locking and Closer Options
- Active Leaf: DH072 3-Point Lock with DH078 Cylinder and DH079 Thumbturn
- Inactive Leaf: DH176 Steel Tip Flush Bolts (2 each)
- Surface Applied Closer: Heavy Duty ANSI Grade 1 (Required)
- Concealed Overhead Closer: ANSI Grade 1 (Required)

Hinging Options
- Butt Hinges: DH110SS (Stainless Steel) 4½” x 4” 1½ Pairs
- Continuous Geared Hinge: DH111HD (Heavy Duty) Full Door Height

Panic Exit Devices Options
- First Choice*: 3692-HR ANSI Grade 1 Concealed Vertical Rod
- Jackson: 2086-HR ANSI Grade 1 Concealed Vertical Rod

*Note: Maximum tested door size 72” x 84”

Qualified Glass Types

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Glass Composition</th>
<th>Interlayer Manufacturer</th>
<th>Glass Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/16” Monolithic Glass</td>
<td>¼” Heat Strengthened Glass</td>
<td>.090 Saflex PVB Interlayer</td>
<td>¼” Heat Strengthened Glass</td>
</tr>
</tbody>
</table>
# Coral's Hurricane Impact-Resistant Products

Coral’s hurricane impact-resistant products meet a variety of test standards for applications in coastal construction regions satisfying the demands for wind-borne debris hazards and high-velocity winds associated with hurricanes. All of Coral’s hurricane impact-resistant products are independent laboratory tested based on a variety of test standards for air infiltration, structural loads, missile impact and air-pressure cycling based on ASTM and/or Florida Building Code. The informational chart above is intended to provide recommended limits in frame heights, glass sizes and design pressures based on product testing. When exceeding conditions listed above, it is recommended to consult with a licensed structural engineer or contact Coral Architectural Products.

## Hardware Applications

### Locking and Closer Options

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Leaf</td>
<td>DH072 3-Point Lock with DH078 Cylinder and DH079 Thumbturn</td>
<td></td>
</tr>
<tr>
<td>Inactive Leaf</td>
<td>DH176 Steel Tip Flush Bolts (2 each)</td>
<td></td>
</tr>
<tr>
<td>Surface Applied Closer</td>
<td>Heavy Duty ANSI Grade 1 (Required)</td>
<td></td>
</tr>
<tr>
<td>Concealed Overhead Closer</td>
<td>ANSI Grade 1 (Required)</td>
<td></td>
</tr>
</tbody>
</table>

### Hinging Options

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butt Hinges</td>
<td>DH110SS (Stainless Steel) 4½” x 4”</td>
<td>1½ Pairs</td>
</tr>
<tr>
<td>Continuous Geared Hinge</td>
<td>DH111HD (Heavy Duty)</td>
<td>Full Door Height</td>
</tr>
</tbody>
</table>

### Panic Exit Devices Options

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Choice</td>
<td>3692-HR ANSI Grade 1</td>
<td>Concealed Vertical Rod</td>
</tr>
<tr>
<td>First Choice</td>
<td>3192-HR Midpanel</td>
<td>Concealed Vertical Rod</td>
</tr>
<tr>
<td>Jackson</td>
<td>2086-HR ANSI Grade 1</td>
<td>Concealed Vertical Rod</td>
</tr>
</tbody>
</table>

## Qualified Glass Types

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Exterior Lite</th>
<th>Interlayer</th>
<th>Interior Lite</th>
<th>Interlayer Manufacturer</th>
<th>Glass Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼” Monolithic Glass</td>
<td>¼” Heat Strengthened Glass</td>
<td>.090 SentryGlas</td>
<td>¼” Heat Strengthened Glass</td>
<td>DuPont™</td>
<td>D</td>
</tr>
</tbody>
</table>
Impact-Resistant Entrances
Series 381 Medium Stile

Hardware and Hinge Locations

As shown with Panic Device.

<table>
<thead>
<tr>
<th>INTERMEDIATE HINGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.O. HEIGHT</td>
</tr>
<tr>
<td>BUTT HUNG</td>
</tr>
<tr>
<td>84”</td>
</tr>
<tr>
<td>96”</td>
</tr>
</tbody>
</table>

Note: All doors require an intermediate hinge.

<table>
<thead>
<tr>
<th>HARDWARE LOCATIONS FOR PANIC DOORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MANUFACTURER</td>
</tr>
<tr>
<td>--------------</td>
</tr>
<tr>
<td>JACKSON</td>
</tr>
<tr>
<td>FIRST CHOICE</td>
</tr>
</tbody>
</table>
Impact-Resistant Entrances
Series 381 Medium Stile

Standard Details - Single Acting Wet Glazed
Scale: 3” = 1’-0”

Single Door
Pair of Doors

D110
D110

D111
D112

$\frac{3}{4}$" Typ.
9½"

1"
3½"

DG501 Typ.
D102
1"

DG502 Typ.
33/4"
Impact-Resistant Entrances
Series 381 Medium Stile

Standard Details - Single Acting Dry Glazed
Scale: 3” = 1’- 0”

Single Door

Pair of Doors

Single Door Meeting stiles for door pair

Meeting stiles for door pair

www.coralap.com
March 2016
Impact-Resistant Entrances
Series 381 Medium Stile

Entrance Framing - Single Acting Non-Transom

Scale: 3" = 1'- 0"

Single Acting Doors
Non-Transom Frame

D108
D109
D102
DS202
DS501
DB122-1
FL507
FL504
FL562
WS136
TH4
D1-11

Min.
Typ.
3A

Typ.
Min.
Impact-Resistant Entrances
Series 381 Medium Stile

Entrance Framing - Single Acting with Transom
Scale: 3” = 1’- 0”

Single Acting Doors with Transom Frame

Dry-Glazed Option

”¾“ Glazing option