CURRIES Door Product Information and Installation Instructions

General Information

1) Product is qualified for Large and Small Missile Impact.
2) Product meets the requirements of the High Velocity Hurricane Zone. See below for water infiltration requirements
3) Doors qualify for water infiltration where the overhang (OH) ratio is equal to or more than 1. The over hang ratio shall be calculated by the following equation: OH ratio = OH Length/OH Height.

Group	Max. Design Pressure PSF	Door Series	Max. Door Size And Swing	Min. Door Gauge	Glazing	Hardware
1	50	607, 707	3'0" x 7'0" Single Out-Swing	20	NONE	Cylindrical Lock; Mortise Lock; Rim Exit
2	60	607, 707, 727, 747, or 847	3'0" x 7'0" Single Out-Swing	18	Glasslam, Polycarbonate or Louver	Concealed Vertical Rod; Cylindrical Lock, Mortise Lock; Mortise Exit; Rim Exit; Surface Vertical Rod
3	60	607, 707, 727, 747, or 847	3'0" x 7'0" Single In-swing or Out-Swing	18	Glasslam, Polycarbonate or Louver	Cylindrical Lock; Mortise Lock; Interconnected lock
4	60	607, 707, 727, 747, or 847	6'0" x 7'0" Pair Out-Swing	18	Glasslam, Polycarbonate or Louver	Concealed Vertical Rod; Rim Exit; Surface Vertical Rod
5	60	707, 727, 747, 847	3'0" x 8'0" Single Out-Swing	16	Glasslam, Polycarbonate or Louver	Concealed Vertical Rod; Mortise Lock (Latch Bolt and Dead Bolt); Rim Exit; Surface Vertical Rod
6	60	707, 727, 747, 847	3'0" x 8'0" Single In-Swing	16	Glasslam, Polycarbonate or Louver	Mortise Lock (Latch Bolt and Dead Bolt)
7	60	707, 727, 747, 847	6'0" x 8'0" Pair Out-Swing	16	Glasslam, Polycarbonate or Louver	Concealed Vertical Rod; Mortise Lock (latch bolt and dead bolt) active, Surface Bolts inactive; Rim Exit; Surface Vertical Rod
8	70	607, 707, 727, 747, or 847	3'0" x 7'0" Single In-swing or Out-Swing	18	Glasslam, Polycarbonate or Louver	Mortise Lock (Latch Bolt and Dead Bolt);, Cylindrical Lock with Cylindrical Dead Bolt; Interconnected Lock
9	70	707, 727, 747, 847	4'0" x 8'0" Single Out-Swing	16	Glasslam, Polycarbonate or Louver	Concealed Vertical Rod; Mortise Lock (latch bolt and dead bolt); Rim Exit; Surface Vertical Rod
10	70	707, 727, 747, 847	4'0" x 8'0" Single In-Swing	16	Glasslam, Polycarbonate or Louver	Mortise Lock (Latch Bolt and Dead Bolt)
11	70	707, 727, 747, 847	6'0" x 7'0" Pair In-Swing or Out-Swing	16	None	Mortise Lock (Latch Bolt and Dead Bolt); Flush Bolt

Group	Max. Design Pressure PSF	Door Series	Max. Door Size And Swing	Min. Door Gauge	Glazing	Hardware
12	70	777	6'0" x 7'0" Pair In-Swing or Out-swing	18	None	Mortise Lock (Latch Bolt and Dead Bolt); Flush Bolt
13	70	707, 727, 747, 847	8'0" x 8'0" Pair Out-Swing	16	Glasslam, Polycarbonate or Louver	Concealed Vertical Rod; Mortise Lock (latch bolt and dead bolt) active, Surface Bolts inactive; Rim Exit; Surface Vertical Rod
14	100	757 (STC 46)	3'0" x 7'0" Single Out-Swing	16	NONE	Cylindrical Lock Mortise Lock (Latch Bolt and Dead Bolt)
15	100	707, 727, 747, 847,777	3'0" x 7'0" Single In-Swing or Out-Swing	18	NONE	Cylindrical Lock Mortise Lock (Latch Bolt and Dead Bolt)
16	100	707, 727, 747, 847, 777	3'0" x 7'0" Single In-Swing or Out-Swing	18	NONE	Rim Exit
17	115	757 (STC 46)	3'0" x 7'0" Single Out-Swing	16	NONE	Mortise Lock (Latch Bolt and Dead Bolt)
18	115	707, 727, 747, 847	3'0" x 7'0" Single In Swing Or Out-Swing	16	NONE	Mortise Lock (Latch Bolt and Dead Bolt)
19	115	707, 727, 747, 847	3'0" x 7'0" Single Out-Swing	16	NONE	Rim Exit
20	150	707, 727, 747, 847	4'0" x 8'0" Single In-swing or Out-Swing	14	Vetrotech Keralite Ultra IGU HI	Multi-Point Lock
21	150	707, 727, 747, 847	8'0" x 8'0" Pair In-swing or Out-Swing	14	Vetrotech Keralite Ultra IGU HI	Multi-Point Lock active, Surface Bolts inactive
22	150	707, 727, 747, 847	4'0" x 8'0" Single Out-Swing	14	Vetrotech Keralite Ultra IGU HI	Surface Vertical Rod Exit Devices
23	150	707, 727, 747, 847	8'0" x 8'0" Pair Out-Swing	14	Vetrotech Keralite Ultra IGU HI	Surface Vertical Rod Exit Devices

Additional Door Information

1) Curries 707 18 gauge 3'0" x 7'0" embossed doors are permitted.
2) Curries 707 16 gauge CURRIStain doors are permitted, 115 psf maximum design pressure.
3) Door edges maybe CURRIES' "S "(Visible Seam), "N" (Seamless), or "T" (Seamless)
4) Door Undercuts:
   a.) 3/8" Maximum undercut for doors with vertical and concealed exit devices and 150 psf doors.
   b.) 3/4" Maximum undercut for all other doors not included in 4a above.
5) Cold rolled or Galvanized steel may be used, gauges as noted.
   16 ga Stainless Steel 707 doors may be used.

Door Glazing Information

1.) Markar WLV60 Louver or Pemko LV-WS, or any louver with a valid FBC component approval are permitted in doors with max design pressure of 60 or 70 psf.
Maximum louver size is 34" x 78" on 4'0" x 8'0' doors. Minimum stile is 6".
2.) CURRIES Type 2 or Type 3 Vision light kits are permitted for Glasslam impact rated glass
Maximum DLO size is 24" x 66", maximum DLO area per leaf is 1584 sq. in. at 60 psf.
Maximum DLO size is 32" x 42", maximum DLO area per leaf is 1344 sq. in. at 70 psf.
Minimum stile and rail is 6".
3.) CURRIES Type 1 or Type 3 Vision Light Kit are permitted with approved polycarbonate
Maximum DLO size is 32" x 42" maximum DLO area per leaf is 1344 sq. in at 60 psf.
Maximum DLO size is 32" x 42" maximum DLO area per leaf is 1344 sq. in at 70 psf.
Minimum stile and rail is 6".
4.) CURRIES Type 8 Vision Light Kit may be used with Vetrotech Keralite Ultra IGU HI
Maximum Design pressure is 150 psf
Maximum DLO size is 10" x 30" maximum DLO area per leaf is 180 sq. in
Minimum stile and rail is 6".
5.) All glazing and louver cutouts require channel surround.

Hardware Information

Hardware, vision light kits, and louvers may be used with the products listed above. The components must have a valid FBC Approval for use as a door component. Components used in the High Velocity Hurricane Zone must have a valid FBC Product Approval or a Dade County Product Control Component NOA for use in the High Velocity Hurricane Zone.

Group 1

Yale	Cylindrical Lock: 4600LN, 4700LN Mortise Lock: 8800 Series Mortise lock Rim Exit Devices: 2100(F)WS

Group 2

Corbin Russwin	Cylindrical Lock: CL3300, CL33800, CL3900 Series Mortise Lock: ML2000, ML20800 Series Rim Exit Device: ED5200S(A) x M107; ED5200S(A) x M107 x 9800 Series Trim Surface Vertical Rod Device: ED5470(B) X M107
Sargent	Cylindrical Lock: 6500, 7 Line, 10 Line, 10G77, 11 Line Mortise Lock: 7800, 8200, R8200, 8200 Profile Series Mortise Exit: WS8900, 12-WS8900 Series Rim Exit Device: HC8800, 12- HC8800, HC8800 Profile Series,12-HC8800 Profile Series Concealed Vertical Rod: MD8600, 12-MD-8600
Securitron	Cylindrical Unlatch: UNL Mortise Unlatch: MUNL Power Transfer: EPT, EPTL, CEPT
Ving	Mortise Lock: Classic, US ANSI Rim Exit Device: VC3000
Yale	Cylindrical Lock: 4800/4800LN, 5400/5400LN, eBOSS E5400LN Series Mortise Lock: 8800, eBOSS E8800 Series Rim Exit Devices: 7150/7250M(F)WS Surface Vertical Rod Device: 7170(F)WS

Group 3

Corbin Russwin	Cylindrical Lock: CL3300, CL33800, CL3900 Series Mortise Lock: ML2000, ML20800 Series
Sargent	Cylindrical Lock: 6500, 10 Line, 10G77 Interconnected Lock: 7500 Series Mortise Lock: 7800, 8200, R8200, 8200 Profile Series
Securitron	Power Transfer: EPT; EPTL, CEPT
Yale	Cylindrical Lock: 4800/4800LN, 5400/5400LN, eBOSS E5400LN Series Interconnected Lock: 4800 Series Mortise Lock: 8800, eBOSS E8800 Series

Group 4

Corbin Russwin	Rim Exit Devices: ED5200S(A) x M107; ED5200S(A) x M107 x 9800 Series Trim Surface vertical Rod Device: ED5470(B) X M107
Sargent	Rim Exit: HC8800, 12-HC8800, HC8800 Profile Series, 12- HC8800 Profile Series Concealed Vertical Rod: MD8600, 12-MD8600
Securitron	Power Transfer: EPT; EPTL, CEPT
Yale	Rim Exit Devices: 7150/7250M(F)WS Surface Vertical Rod Device: 7170(F)WS

Group 5 & 9

Corbin Russwin	Mortise Lock: ML2000, ML20800 Series with latch bolt & dead bolt Rim Exit Devices: ED5200S(A) x M107; ED5200S(A) x M107 x 9800 Series Trim Surface vertical Rod Device: ED5470(B) X M107
Sargent	Mortise Lock: 8200, R8200, 8200 Profile Series with latch bolt & dead bolt Rim Exit: HC8800, 12-HC8800, HC8800 Profile Series, 12- HC8800 Profile Series Concealed Vertical Rod: MD8600, 12-MD8600
Securitron	Power Transfer: EPT; EPTL, CEPT
Yale	Mortise Lock: 8800, eBOSS E8800 Series with latch bolt & dead bolt Rim Exit Devices: 7150/7250M(F)WS Surface Vertical Rod Device: 7170(F)WS

Group 6 & 10

Corbin Russwin	Mortise Lock: ML2000 Series with latch bolt & dead bolt
Sargent	Mortise Lock: 8200, R8200, 8200 Profile Series with latch bolt & dead bolt
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Mortise Lock: 8800 Series with latch bolt & dead bolt

Group 7 & 13

Corbin Russwin	Mortise Lock: ML2000 Series with latch bolt & dead bolt (active leaf); 988CR Surface Bolts (inactive leaf) Rim Exit Devices: ED5200S(A) x M107, ED5200S(A) x M107 x 9800 Series Trim with FE707A, FE708A, WS707AKM, or WS708AKM Mullion Surface vertical Rod Device: ED5470(B) X M107
Sargent	Mortise Lock: 8200, R8200, 8200 Profile Series with latch bolt & dead bolt (active leaf); 988 surface bolts (inactive leaf) Rim Exit: HC8800, 12- HC8800; HC8800 Profile Series 12- HC8800 Profile Series with HC980, 12-HC980, HCL980 or 12-HCL9980 Mullion Concealed Vertical Rod: MD8600, 12-MD8600
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Mortise Lock: 8800 Series with latch bolt & dead bolt (active leaf); 988Y Surface Bolts (inactive leaf) Rim Exit Device: 7150/7250M(F)WS with M200FWS or KRM200FWS Mullion Surface Vertical Rod Device: 7170(F)WS

Group 8

Corbin Russwin	Cylindrical Lock: CL3300 Series with DL3100 Series Dead Bolt Mortise Lock: ML2000 Series with latch bolt & dead bolt
Sargent	Cylindrical Lock: 10 Line Series with 480 Series Dead Bolt Mortise Lock: 7800, 8200, R8200, 8200 Profile series with latch bolt & dead bolt
Securitron	Power Transfer: EPT; EPTL, CEPT
Yale	Cylindrical Lock: 5400/5400LN Series with 3600 Series Dead Bolt Interconnected Lock: 4800 Series Mortise Lock: 8800 Series with latch bolt & dead bolt

Group 11 & 12

Corbin Russwin	Mortise Lock: ML2000 Series with latch bolt & dead bolt (Active)
Rockwood	Flush Bolts: 556 WS (Inactive)
Sargent	Mortise Lock: 7800, 8200, R8200, 8200 Profile Series, with latch bolt & dead bolt (Active)
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Mortise Lock: 8800, R8200 8200 Profile Series with latch bolt & dead bolt (Active)

Group 14 & 17

Corbin Russwin	Mortise Lock: ML2000 Series with latch bolt & dead bolt
Sargent	Mortise Lock: 8200 Series with latch bolt & dead bolt Cylindrical Lock: 11 Line
Yale	Mortise Lock: 8800 Series with latch bolt & dead bolt
	Note: Continuous hinges, pivots, EPT's, and position switches may not be used with the 757 (STC 46) door.

Group 15

Corbin Russwin	Mortise Lock: ML2000 Series with latch bolt & dead bolt
Sargent	Mortise Lock: 8200 Series with latch bolt & dead bolt Cylindrical Lock: 11 Line
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Mortise Lock: 8800 Series with latch bolt & dead bolt

Group 16

Corbin Russwin	Rim Exit Device: ED5200S(A) x M107; ED5200S(A) x M107 x 9800 Series Trim Closer: DC8000 (Required)
Norton Controls	Closer: 7500 (Required if Corbin Russwin, Norton, Sargent or Yale closer is not used)
Sargent	Rim Exit: HC8800, 12- HC8800; HC8800 Profile Series 12- HC8800 Profile Series Closer: 281 (Required)
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Rim Exit Device: 7150/7250M(F)WS Closer: 4400 (Required)

Group 18

Corbin Russwin	Mortise Lock: ML2000 Series with latch bolt & dead bolt
Sargent	Mortise Lock: 8200 Series with latch bolt & dead bolt
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Mortise Lock: 8800 Series with latch bolt & dead bolt

Group 19

Corbin Russwin	Rim Exit Device: ED5200S(A) x M107; ED5200S(A) x M107 x 9800 Series Trim
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Rim Exit Device: 7150/7250M(F)WS

Group 20

Corbin Russwin	Multi-Point Lock: FE6800
Sargent	Multi-Point Lock: FM7100
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Multi-Point Lock: 7380F

Group 21

Corbin Russwin	Multi-Point Lock: FE6800 active, 988CR surface bolts in-active
Sargent	Multi-Point Lock: FM7100 active, 988 surface bolts in-active
Securitron	Power Transfer: EPT, EPTL, CEPT
Yale	Multi-Point Lock: 7380F active, 988Y surface bolts in-active

Group 22 & 23

Sargent	Surface Vertical Rod Device: HC4-8700

Auxiliary Hardware

1.) Von Duprin EPT 2 and EPT 10 may be used.
2.) 1” diameter preparations for door position switches are permitted.
3.) Door position switches that fit in a cutout measuring 1.25” x 4.875” may be used in single 3’0” x 7’0” doors rated 60 psf or less.
4.) Magnetic locks may be used in addition to the latching hardware listed above.

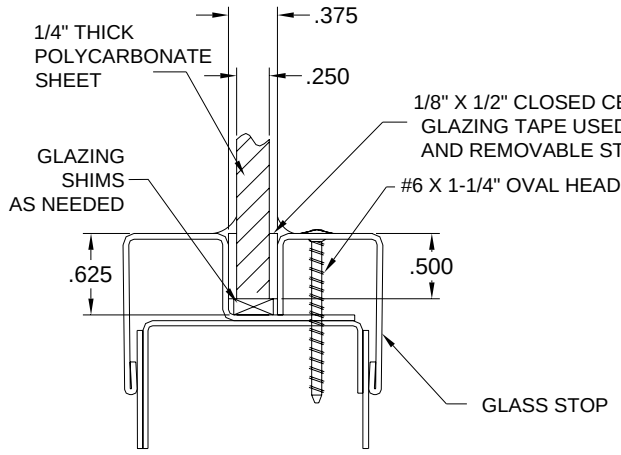
Hinges

1.) 4-1/2” x 4-1/2” 0.134” thick steel hinges or any FBC approved hinges may be used.
2.) McKinney HG305, MCK-12 HD, MCK-14HD, MCK-25HD; Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges may be used.
3.) Rixson 195 Pivot set with M19 intermediate pivots may be used.
4.) Any FBC approved continuous hinge or pivot may be used.

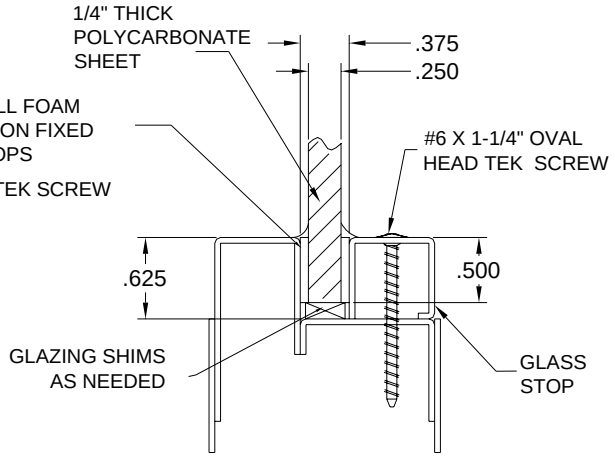
Thresholds and Weather-strip

1) Thresholds;
   McKinney Products Part Nos. MCK177, MCK181, MCK2005
   Pemko Part Nos. 177, 181, 2005
2) Weather-strips;
   MCKS88, MCK303 (Use MCK303 with continuous hinges)
   Pemko Part Nos. S88, 303 (Use 303 with continuous hinges)

Polycarbonate Glazing Instructions



Curries Type 1 Vision Light Kit

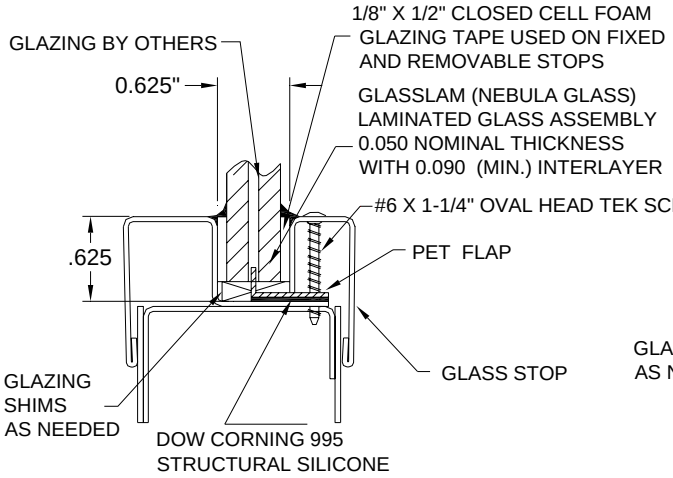


Curries Type 3 Vision Light Kit

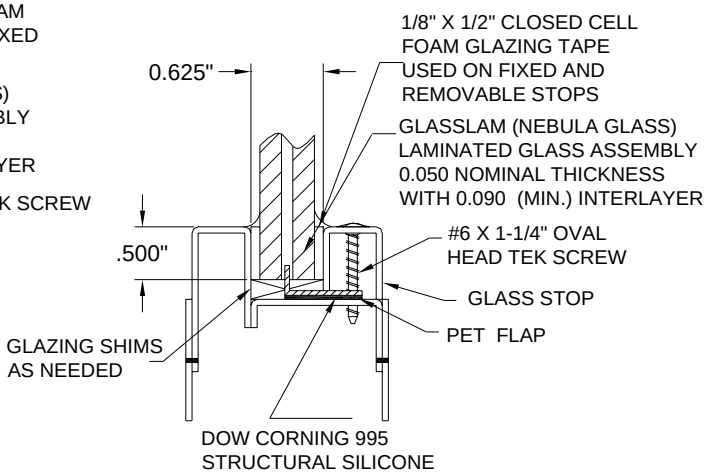
1) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
2) Using a pencil, mark alignment marks on the removable stops and the door.
3) Unscrew the #6 x 1-1/4” oval head TEK screws from the removable stops and remove the removable stops. Keep the screws.
4) Apply 1/8” x 1/2” closed cell foam glazing tape to the fixed stop.
5) If there is plastic release on the foam glazing tape, pull the plastic release back about 2” from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the polycarbonate on the unexposed foam tape.
6) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the polycarbonate on the exposed foam tape.
7) Place glazing shims, as needed, then set the polycarbonate on the foam glazing tape.
8) Adjust the polycarbonate, as necessary, to center the polycarbonate in the cutout.

9) If the release is plastic, grasp the free end of the plastic release, while holding the polycarbonate to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop.
10) Apply 1/8” x 1/2” closed cell foam glazing tape to the removable stop.
11) If there is plastic release on the foam glazing tape, pull the plastic release back about 2” from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stop on the polycarbonate.
12) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the polycarbonate.
13) Using the alignment marks, position the removable stops against the polycarbonate.
14) Install and tighten the #6 x 1-1/4” oval head TEK screws in the removable stops. Be careful not to over tighten.
15) If the release is plastic, grasp the free end of the plastic release, and slowly pull the plastic release off the foam tape that was applied to the removable stop.
16) Using the Dow Corning 995 silicone or other high quality silicone, apply a cap bead over the closed cell foam tape on the exterior side of the door vision light kit.

Glasslam Glazing Instructions



Curries Type 2 Vision Light Kit



Curries Type 3 Vision Light Kit

1) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
2) Using a pencil, mark alignment marks on the removable stops and the door.
3) Unscrew the #6 x 1-1/4” oval head TEK screws from the removable stops and remove the removable stops. Keep the screws.
4) Apply 1/8” x 1/2” closed cell foam glazing tape to the fixed stop.
5) If there is plastic release on the foam glazing tape, pull the plastic release back about 2” from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the Glasslam on the unexposed foam tape.
6) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the Glasslam on the exposed foam tape.
7) Place glazing shims, as needed, then set the Glasslam on the foam glazing tape.

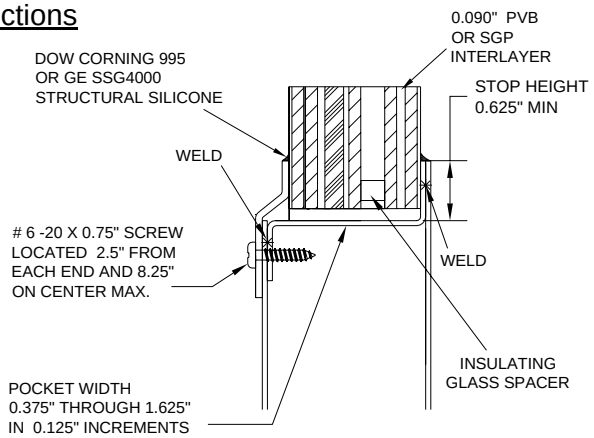
Glasslam Glazing Instructions (Cont'd)

8) Adjust the Glasslam assembly, as necessary, to center the assembly in the cutout.
9) If the release is plastic, grasp the free end of the plastic release, while holding the Glasslam to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop.
10) Trim the PET flap so it does not extend beyond the removable glass stop.
11) Take a putty knife and insert it between the PET flap and the edge of the cutout in the door. Using the putty knife pull the PET flap away from the cutout in the door.
12) While holding the PET flap back away from the cutout with the putty knife, use a caulking gun to apply Dow Corning 995 silicone between the PET flap and the steel in the cutout of the door.

IMPORTANT: Ensure that the Dow Corning 995 silicone fully wets out or covers the PET flap and comes in contact with the steel around the cutout in the door.

13) Slowly move the putty knife around the door ahead of the caulking gun and apply the 995 silicone around the entire cutout in the door.
14) Apply 1/8" x 1/2" closed cell foam glazing tape to the removable stop.
15) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stop on the polycarbonate.
16) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the Glasslam.
17) Using the alignment marks, position the removable stops against the Glasslam.
18) Install and tighten the #6 x 1-1/4" oval head TEK screws in the removable stops. Be careful not to over tighten.
19) If the release is plastic, grasp the free end of the plastic release, and slowly pull the plastic release off the foam tape that was applied to the removable stop.
20) Using the Dow Corning 995 silicone or other high quality silicone, apply a cap bead over the closed cell foam tape on the exterior side of the door vision light kit.

Vetrotech Glazing Instructions



CURRIES Type 8 Vision Light Kit

Glass	Glass Thickness	Impact Resistant Product
Vetrotech Keralite Ultra 90 HI	1-1/2"	DuPont Butacite PVB DuPont Sentry Glass Pus (SGP)
Vetrotech Swissflam 45 HI	1-3/8"	DuPont Butacite PVB DuPont Sentry Glass Pus (SGP)

Vetrotech Glazing Instructions cont'd

1.) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
2.) Using a pencil, mark alignment marks on the removable stops and the door.
3.) Unscrew the #6 x 1-1/4" oval head TEK screws from the removable stops and remove the removable stops. Keep the screws.
4.) Wipe the fixed stop clean and then apply closed cell foam tape to the fixed stop.
5.) Wipe the removable stop clean and then apply closed cell foam tape to the removable stop.
6.) Use 1/8" thick max glazing shims at the sill. Glazing shims should be the full thickness of the glass.
7.) Run a generous toe bead of Dow Corning 995 or GE structural silicone around the opening.
8.) Remove the release tape from the closed cell foam tape on the fixed stop.
9.) Place glass down on glazing blocks and press up against closed cell foam tape.
10.) Run a heel bead around the perimeter to the glass.
11.) Using the alignment marks, position the removable stops against the glass. Lightly grind the end of each stop for additional clearance.
12.) Install and tighten the #6 x 1-1/4" oval head TEK screws in the removable stops. Be careful not to over tighten.
13.) Using the Dow Corning 995 or GE SGG 4000 apply a cap bead over the closed cell foam tape.

Test Protocols Used

1) ANSI A250.13 Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies
2) ASTM E330 Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
3) ASTM E1886 Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
4) ASTM E1996 Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
5) TAS 201-94, Impact Test Procedures
6) TAS 202-94, Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure.
   TAS 203-94, Criteria For Testing Products Subject to Cyclic Wind Pressure Loading