

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT DESCRIPTION (Continued)

Panel Construction: The panel members consist of 0.079" minimum thickness fiberglass skins with LVL and PVC stiles and rails. The door panel is filled with polyurethane foam, 2.5 lbs/ft³ minimum density.

PVC Astragal: The extruded PVC astragal is attached to the normally inactive door with (7) #9 x 2 1/4" PFH wood screws. The latch and deadbolt strike plates are attached to the astragal with (2) # 8 x 2" PFH wood screws in each strike plate. The metal throw bolt, located at the top and bottom of the astragal, has a 0.853" throw and is attached with (2) #9 x 2 1/4" PFH wood screws each.

Reinforcement: None.

Hardware:

<u>Description</u>	<u>Location</u>
x Kwikset "Security" 660 Series Deadbolt (Grade II) or	49" from top of active panel
x Schlage "Maximum Security" Series Deadbolt (Grade II)	
x Kwikset "Security" 660 Series Passage Lock (Grade II) or	61 7/8" from top of active panel
x Schlage "Maximum Security" Series Passage Lock (Grade II)	
x Endura "Ultimate" Astagal	
x (4) 4" Steel Butt Hinges	8 1/2" from top of active panel to centerline of top hinge and maximum 26" centerline to centerline.

Product Identification: A label will be affixed to the assembly. The label includes the manufacturer's name, performance characteristics, and the design pressure rating of the assembly.

LIMITATIONS

Design pressures (DP):

Assembly	Overall Width (in.)	Overall Height (in.)	Design Pressure (psf)
1	37 1/2"	97 5/8"	Inswing r 70 PSF Outswing r 70 PSF
2	74"	97 5/8"	Inswing r 47 PSF Outswing r 47 PSF

Impact Resistance:

Assembly #1 & #2 opaque door assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Seaward zone**. The opaque door assemblies passed Missile Level D specified in ASTM E 1996-02. The door assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded. These door assemblies will not need to be protected with an impact protective system.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

Assembly #1: 3080 Single Door; X

Wall Framing: Minimum Spruce-Pine-Fir.

Fasteners: Head, Sill and jamba: Minimum No. 8 x 2 1/2" long PPH sheet metal screws.

Attachment: Install in accordance with engineering drawing TX-715, signed & sealed by Wendell W. Haney, P.E. on June 30, 2006. The doors shall be mounted to the wood framing members. The fasteners shall penetrate through the door frame and into the wood framing members. If the sill is secured to a concrete foundation, then minimum 3/16" diameter concrete anchors shall be used. The concrete anchors shall embed a minimum of 1 1/4" into the concrete.

Assembly #2: 6080 Double Door; XX

Wall Framing: Minimum Spruce-Pine-Fir.

Fasteners: Head, Sill and jamba: Minimum No. 8 x 2 1/2" long PPH sheet metal screws.

Attachment: Install in accordance with engineering drawing TX-722, signed & sealed by Wendell W. Haney, P.E. on June 30, 2006. The doors shall be mounted to the wood framing members. The fasteners shall penetrate through the door frame and into the wood framing members. If the sill is secured to a concrete foundation, then minimum 3/16" diameter concrete anchors shall be used. The concrete anchors shall embed a minimum of 1 1/4" into the concrete.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.