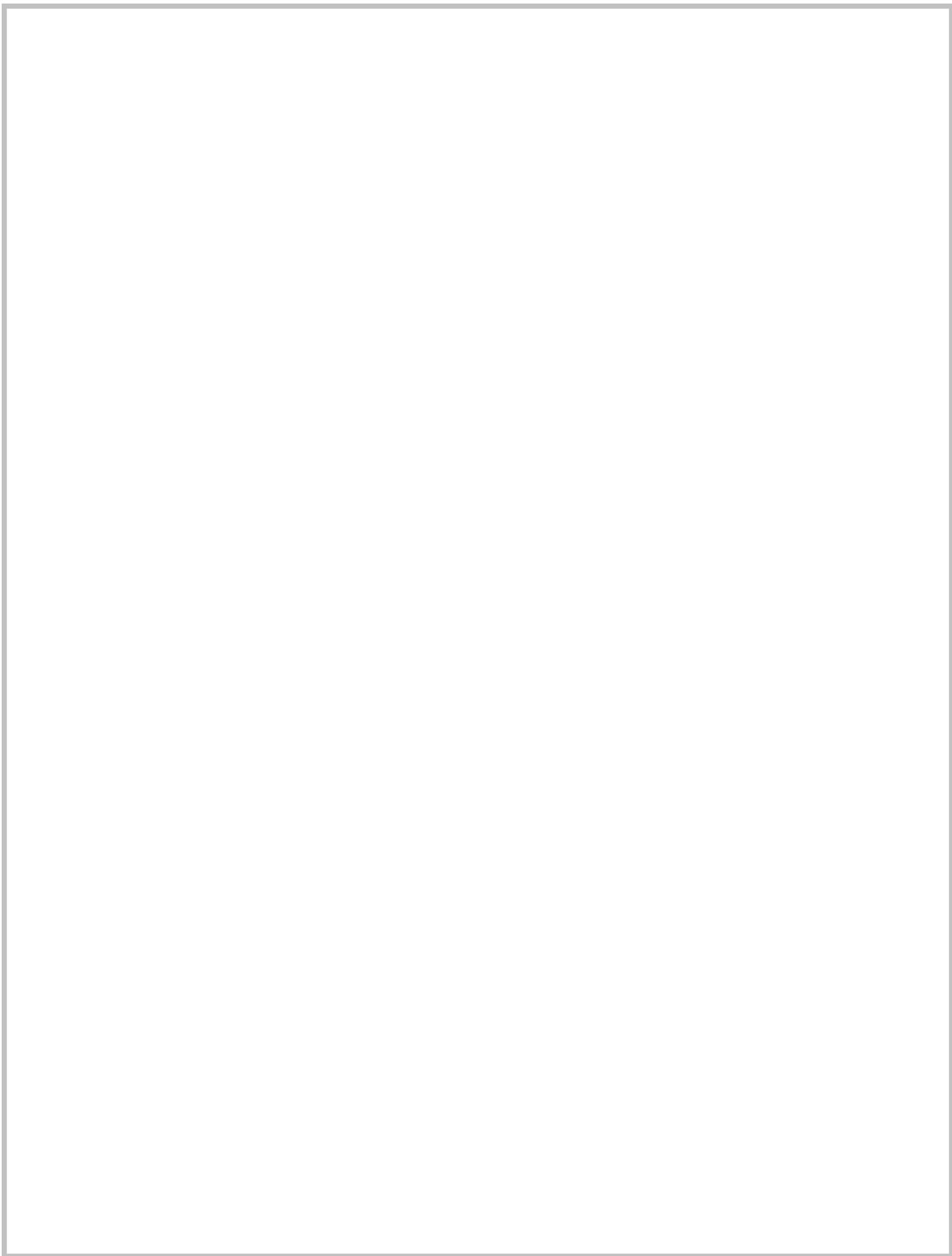




Vacant Properties Clear Boarding with SecureView



SecureView™ Product Data Sheet

Description:

SecureView™ is an industrial grade sheet material extruded from post-industrial grade recycled polycarbonate regrind/resins. The material is an excellent candidate for a wide range of flat or vacuum formed applications. It can also be used for non-aesthetic applications requiring impact resistance, good heat resistance, and formability.

Typical Property Values*

Property	Test Method	Unit	Value	
Physical				
Specific Gravity, color dependent	ASTM D792	--	1.20	
Mechanical				
Tensile Strength, Yield	ASTM D638	psi	8,000	
Tensile Modulus	ASTM D638	psi	310,000	
Flexural Strength, Yield	ASTM D790	psi	12,500	
Flexural Modulus	ASTM D790	psi	310,000	
Elongation , Break	ASTM D638	%	70	
Impact Strength	Dynatup (1/2" diameter dart)	Ft-lbs	75	
			75°F	75
			-20°F	50
Izod Impact Strength	ASTM D256A	Ft-lbs	No break	
			Unnotched @ 75°F	No break
			Unnotched @ -20°F	No break
Water Absorption @ 24 hr immersion equilibrium	ASTM D570	%	.35	
Thermal				
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75 x 10-5	
Heat Deflection Temperature @ 264 psi @ 66 psi	ASTM D648	°F	270	
			280	
			280	
Mold Shrinkage		in/in	.007-.009	

*These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your SecureView™ representative.

Processing

SecureView™ sheets can be used for thermoforming. It offers high, deep draw ratios, equal wall thickness distribution, and it can be formed into complex shapes using standard thermoforming equipment. Sandwich type heating systems give the best results. SecureView™ sheets have a forming temperature range of 350–400°F. When forming, a draft angle of at least 3° should be allowed, and post mold shrinkage of .007–.009 in/in taken into account.

Pre-drying

It is important to ensure that SecureView™ sheets are free of moisture prior to thermoforming. A hot air circulating oven set at 250°F is recommended. Pre-drying times vary from 3–24 hours, depending on sheet thickness.

Assembling

Parts made from SecureView™ sheets can be assembled with plastics, metals, rubber and other materials using many types of adhesive bonding, welding and mechanical fastening techniques. Since some of these materials can cause environmental stress cracking, please consult SecureView, for advice on specific applications

Painting

SecureView™ is well-suited for use with a wide variety of modern decoration techniques. A list of approved paint systems and suppliers is available upon request.

Chemical Resistance

SecureView™ has sufficient resistance to most mineral oils, greases, aliphatic hydrocarbons and acids under low or moderate stress levels. Specific (application related) testing is always advised, especially in applications where the sheets will come into contact with aggressive chemicals.

Product Availability

Product sizes: 4'x8', 5'x8', 6'x8' sheets
Textures/Masking: Polished/Polished, poly cling masking
Colors Standard: Clear

For industrial, non-aesthetic applications. There are no quality specifications associated with this product.

SecureView™ Cleaning Recommendations & Graffiti Removal

The following cleaning recommendations apply to all SecureView™ products. Periodic cleaning using correct procedures can help to prolong service life. For cleaning, it is recommended that the following instructions be adhered to:

Cleaning Procedure for Small Areas:

1. Gently wash sheet with a solution of mild soap and lukewarm water, using a soft, grid-free cloth or sponge to loosen any dirt or grime.
2. Fresh paint splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing lightly with a soft cloth using petroleum ether (BP65), hexane or heptane. Afterwards, wash the sheet using mild soap and lukewarm water.
3. Scratches and minor abrasions can be minimized by using a mild automobile polish. We suggest that a test be made on a small area of SecureView with the polish selected and that the polish manufacturer's instructions be followed, prior to using the polish on the entire sheet.
4. Finally, thoroughly rinse with clean water to remove any cleaner residue and dry the surface with a soft cloth to prevent water spotting.

Cleaning Procedure for Large Areas:

1. Clean the surface using a high-pressure water cleaner (max. 100bar or 1,450psi) and/or a steam cleaner. We suggest that a test be made on a small area, prior to cleaning the entire sheet.
2. Use of additives to the water and/or steam should be avoided.

Other Important Instructions:

- Never use abrasive or highly alkaline cleaner on SecureView™ polycarbonate materials.
- Never use aromatic or halogenated solvents like toluene, benzene, gasoline, acetone or carbon tetrachloride on SecureView™ polycarbonate materials.
- Use of incompatible cleaning materials with SecureView™ can cause structural and/or surface damage.
- Contact with harsh solvents such as methyl ethyl ketone (MEK) or hydrochloric acid can result in surface degradation and possible crazing of the SecureView polycarbonate sheet.
- Never scrub with brushes, steel wool or other abrasive materials.
- Never use squeegees, razorblades or other sharp instruments to remove deposits or spots.
- Do not clean SecureView™ polycarbonate sheets in direct sunlight or at high temperatures as this can lead to staining.
- For all mentioned chemicals consult the manufacturer's material safety datasheet (MSDS) for proper safety precautions.

Graffiti Removal for SecureView™:

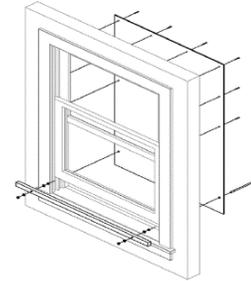
Use butyl cellosolve with a clean, soft cloth to remove paints, marking pen inks and lipstick. Afterwards, wash the sheet using mild soap and lukewarm water, then rinse with clean water to remove residue and dry with a soft cloth.

Masking tape and adhesive tape work well for lifting off old, weathered paints.

To remove labels stickers, the use of kerosene or petroleum ether (BP65) is generally effective. If the solvent does not penetrate the sticker material, apply heat using a hair dryer to soften the adhesive and promote removal. Afterwards the cleaning procedure for small areas as outlined above should be followed.

1. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.
- Security screws (Minimum 2" length.)



2. MEASURE AND CUT

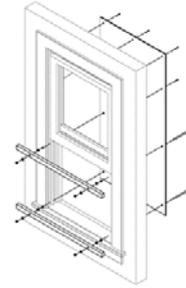
- Measure window opening (width and height.) This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high tooth count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, one crossbar shall be used per window.
- Measure the clear window opening width and subtract 1". Measure up from the window sill and down from the top panel location. Transfer these measurements to the SecureView™ panel and drill two (2) 1/2" holes.
- Drill and countersink holes around the upper perimeter of the SecureView™ panel for *require security screws*. Start with a hole at each of the top corners and continue adding holes at 10" to 12" increments across the top and down the two sides to approximately half way down the panel.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

3. INSTALL

- Remove window sash or slide the lower sash to the center of the window frame so that two (2) bolts can be placed near the lower corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Place a security screw through each of the perimeter holes to fasten the panel into the window frame or exterior casing.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

4. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.
- Security screws (Minimum 2" length.)



5. MEASURE AND CUT

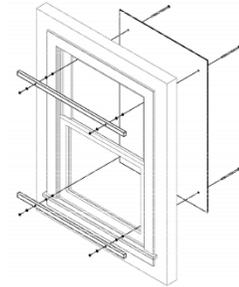
- Measure window opening (width and height.) This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high tooth count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, one crossbar shall be used per window.
- Locate the carriage bolt positions so that the bolts will be close to the existing window frame. The bolts should be placed no more than 3/4" from the window frame at the width and no more than 6" from the window sill. Additional bolts shall be located at the vertical middle of the window or just below the window sash when it is pushed to its upper position. Transfer these measurements to the SecureView™ panel and drill four 1/2" holes.
- Drill and countersink holes around the upper perimeter of the SecureView™ panel for *require security screws*. Start with a hole at each of the top corners and continue adding holes at 10" to 12" increments across the top and down the two sides to approximately half way down the panel.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

6. INSTALL

- Remove window sash or slide the lower sash to its upper position of the window frame so that four (4) carriage bolts can be placed near the four corners of the window opening.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Place a security screw through each of the perimeter holes to fasten the panel into the window frame or exterior casing.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

7. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.
- Security screws (Minimum 2" length.)



8. MEASURE AND CUT

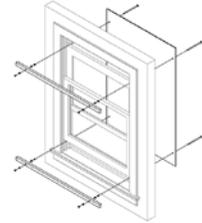
- Measure window opening (width and height.) This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high tooth count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, one crossbar shall be used per window.
- Measure the clear window opening width and subtract 1". Measure up from the window sill and down from the top panel location. Transfer these measurements to the SecureView™ panel and drill two (2) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

9. INSTALL

- Make sure the upper sash and lower sash are in place and lock the window. Remove any remaining glass so that four (4) bolts can be placed near the four corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

10. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.



11. MEASURE AND CUT

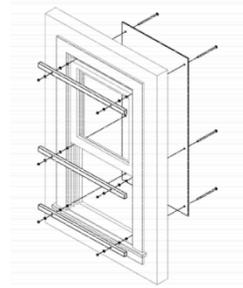
- Measure window opening (width and height.) This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, a minimum of two (2) crossbars shall be used per window.
- Measure the clear window opening width and subtract 1". Measure up from the window sill and down from the top panel location. Transfer these measurements to the SecureView™ panel and drill four (4) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

12. INSTALL

- Remove window sash or slide the sashes to the center of the window frame so that four (4) bolts can be placed near the four corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

13. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.
- One (1) additional cross brace.



14. MEASURE AND CUT

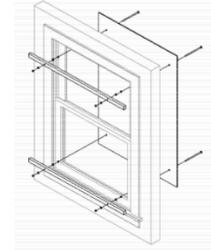
- Measure window opening (width and height.) This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, three (3) or more crossbars shall be used per window.
- Locate the carriage bolt positions so that the bolts will be close to the existing window frame. The bolts should be placed no more than 3/4" from the window frame at the width and no more than 6" from the window sill and top frame. Additional bolts shall be located at the vertical middle of the window or just below the window sashes when they are pushed up against the top bolts. Transfer these measurements to the SecureView™ panel and drill six (6) or more 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

15. INSTALL

- Remove window sash or slide the sashes to the center of the window frame so that four (4) bolts can be placed near the four corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

16. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.



17. MEASURE AND CUT

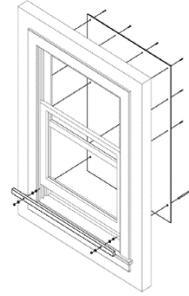
- Measure window opening (width and height.) This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, a minimum of two (2) crossbars shall be used per window.
- Measure the clear window opening width and subtract 1". Measure up from the window sill and down from the top panel location. Transfer these measurements to the SecureView™ panel and drill four (4) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

18. INSTALL

- Make sure upper sash and lower sash are in place and lock the window. Remove any remaining glass so that four (4) bolts can be placed near the four corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

19. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.
- Security screws (Minimum 2" length.)



20. MEASURE AND CUT

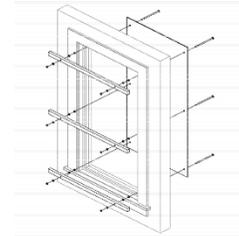
- Measure window opening (width and height.) This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high tooth count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, a minimum of one (1) crossbars shall be used per window.
- Measure the clear window opening width and subtract 1". Measure from the window sill and down from the top panel location. Transfer these measurements to the SecureView™ panel and drill two 1/2" holes.
- Drill and countersink holes around the upper perimeter of the SecureView™ panel for *required security screws*. Start with a hole at each of the top corners and continue adding holes at 10" - 12" increments across the top and down the two sides to approximately half way down the panel.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

21. INSTALL

- Remove window sash or slide the lower sash to the center window frame so that two (2) bolts can be placed near the lower corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Place the *required security screw* through each of the perimeter holes to fasten the panel into the window frame or exterior casing.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

22. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.



23. MEASURE AND CUT

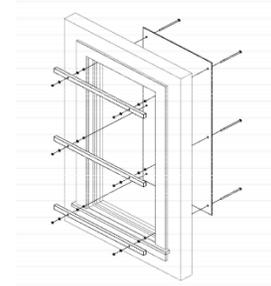
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, two (2) or more crossbars shall be used per window.
- Locate the carriage bolt positions so that the bolts will be close to the existing window frame. The bolts should be placed no more than 3/4" from the window frame at the width and no more than 6" from the window sill and top frame. Transfer these measurements to the SecureView™ panel and drill four (4) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

24. INSTALL

- Remove window sash.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

25. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.
- One additional cross brace.



26. MEASURE AND CUT

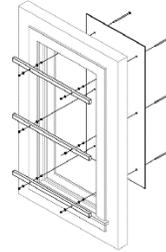
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, three (3) crossbars shall be used per window.
- Locate the carriage bolt positions so that the bolts will be close to the existing window frame. The bolts should be placed no more than 3/4" from the window frame at the width and no more than 6" from the window sill and top frame. Additional bolts shall be located at the vertical middle of the window. Transfer these measurements to the SecureView™ panel and drill six (6) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

27. INSTALL

- Remove window sash.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

28. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth.)
- Washers.
- Nuts.



29. MEASURE AND CUT

- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, two (2) or more crossbars shall be used per window.
- Locate the carriage bolt positions so that the bolts will be close to the existing window frame. The bolts should be placed no more than 3/4" from the window frame at the width and no more than 6" from the window sill and top frame. Transfer these measurements to the SecureView™ panel and drill four (4) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

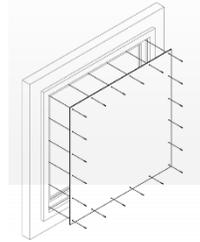
30. INSTALL

- Remove window sash or remove any remaining glass so that four (4) bolts can be placed near the 4 corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one (1) nut onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another security nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO (2) nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

WINDOW COVER INSTALLATION FIXED WINDOW

31. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- Security screws (Minimum 2" length.)



32. MEASURE AND CUT

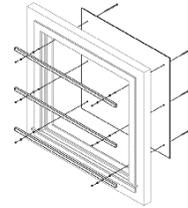
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Drill and countersink holes around the perimeter of the SecureView™ panel for *required security screws*. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel.

33. INSTALL

- Set the SecureView™ panel on the window sill and position the panel into its proper location.
- Place a security screw through each of the perimeter holes to fasten the panel into the window frame or exterior casing.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

34. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth)
- Washers
- Nuts



35. MEASURE AND CUT

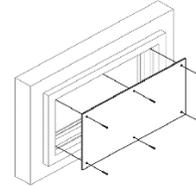
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of window from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Under this scenario, two (2) or more crossbars shall be used per window.
- Measure the clear window opening width and subtract 1". Measure up from the window sill and down from the top panel location. Transfer these measurements to the SecureView™ panel and drill four (4) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

36. INSTALL

- Remove the window sash or remove any remaining glass so that four (4) bolts can be placed near the 4 corners.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one nut and washer onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

37. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- Security screws (Minimum 2" length.)



38. MEASURE AND CUT

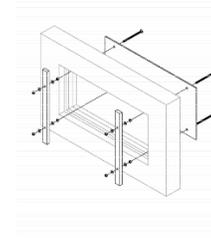
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Drill and countersink holes around the perimeter of the SecureView™ panel for *required security screws*. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel.

39. INSTALL

- Set the SecureView™ panel on the window sill and position the panel into its proper location.
- Place a security screw through each of the perimeter holes to fasten the panel into the window frame. If the window frame is deteriorated, then a longer screw must be used.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

40. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth)
- Washers
- Nuts



41. MEASURE AND CUT

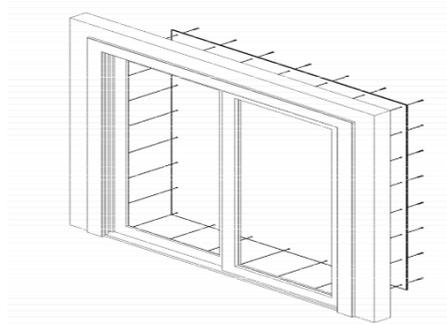
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure the interior of the window frame vertically and horizontally. Decide which direction the crossbar will be placed such that it will extend a minimum of 3" beyond each side of the window frame. Cut the crossbar material. Under this scenario, two (2) or more crossbars shall be used per window.
- Measure the clear window opening width and height and subtract 1". Transfer these measurements to the SecureView™ panel and drill four (4) 1/2" holes.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

42. INSTALL

- Remove the window sash.
- Place a 3/8" carriage bolt through each of the holes in the SecureView™ panel, set the panel on the window sill and position the panel into its proper location.
- Screw one nut and washer onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

43. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- Security screws (Minimum 2" length.)



44. MEASURE AND CUT

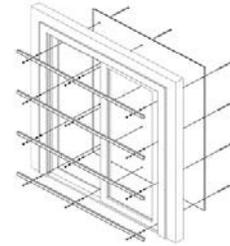
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Drill and countersink holes around the perimeter of the SecureView™ panel for *required security screws* into either the door frame or the door panels. Start with a hole at each of the corners and continue adding holes at 10"-12" increments around the door.
- Drill and countersink a couple more holes down the center of the SecureView™ panel for security screws into the center door panel frame.

45. INSTALL

- Place a security screw through each of the perimeter holes to fasten the panel in place.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

46. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth)
- Washers
- Nuts



47. MEASURE AND CUT

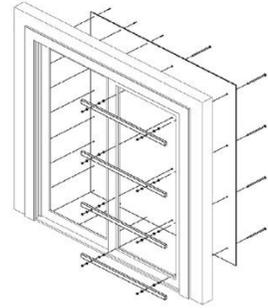
- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of door from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Four (4) crossbars shall be used per door.
- Measure the door panel openings, measure up from the door sill and down from the top panel location to locate the carriage bolts 1/2" inside of frame of the fixed panel corners and between the slider door panel and the frame. Transfer these measurements to the SecureView™ panel and drill six (6) six 1/2" holes.
- Drill six (6) more 1/2" holes in the SecureView™ panel evenly spaced vertically such that two crossbars may be located between the top and bottom crossbars at the top and bottom of the door opening.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

48. INSTALL

- Remove any remaining glass from the fixed door panel so that carriage bolts can be placed through the door frame.
- Open the slider door panel enough to run carriage bolts between the door and frame.
- Place a 3/8" carriage bolt through each of holes in the SecureView™ panel, set the panel on the door sill and position the panel into its proper location.
- Screw one nut and washer onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

49. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth)
- Washers
- Nuts
- Security Screws (Minimum 2" length)



50. MEASURE AND CUT

- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of door from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Four (4) crossbars shall be used per door.
- Measure the door panel openings, measure up from the door sill and down from the top panel location to locate the carriage bolts 1/2" inside of frame of the fixed panel corners and between the slider door panel and the frame. Transfer these measurements to the SecureView™ panel and drill six (6) 1/2" holes.
- Drill six (6) more 1/2" holes in the SecureView™ panel evenly spaced vertically such that two crossbars may be located between the top and bottom crossbars at the top and bottom of the door opening.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.
- Drill and countersink holes around the perimeter of the SecureView™ panel for *required security screws* into either the door frame or the door panel. Start with a hole at each of the corners and continue adding holes at 10"-12" increments around the panel.

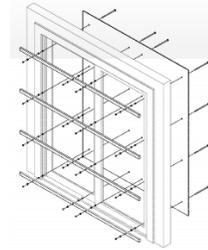
51. INSTALL

- Remove any remaining glass from the fixed door panel so that carriage bolts can be placed through the door frame.
- Place a 3/8" carriage bolt through each of holes in the SecureView™ panel, set the panel on the door sill and position the panel into its proper location.
- Screw one nut and washer onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

- Place a security screw through each of the perimeter holes to fasten the panel in place.

52. TOOLS AND HARDWARE REQUIREMENTS

- 120 VAC circular saw with a high tooth count blade (carbide recommended)
- 3/8" carriage bolts (Length determined per window depth)
- Washers
- Nuts



53. MEASURE AND CUT

- Measure window opening (width and height). This will be inside of brick or inside of the window casing/brickmould such that the SecureView™ panel, when cut, will fit snugly and not permit a tool to be placed behind the panel.
- Cut the SecureView™ panel using a circular saw with a high touch count blade.
- Measure interior casing of door from outer edge of casing to the other so that the crossbar will rest squarely on the full face of the window casing. Cut the crossbar material. Four (4) crossbars shall be used per door.
- Measure the door panel openings, measure up from the door sill and down from the top panel location to locate the carriage bolts 1/2" inside of frame of the fixed panel corners and between the slider door panel and the frame. Transfer these measurements to the SecureView™ panel and drill six (6) 1/2" holes.
- Drill six (6) more 1/2" holes in the SecureView™ panel evenly spaced vertically such that two (2) crossbars may be located between the top and bottom crossbars at the top and bottom of the door opening.
- Drill 7/16" holes through the crossbars to match the pattern in the SecureView™ panels.

54. INSTALL

- Remove any remaining glass from the fixed door panel so that carriage bolts can be placed through the door frame.
- Place a 3/8" carriage bolt through each of holes in the SecureView™ panel, set the panel on the door sill and position the panel into its proper location.
- Screw one nut and washer onto each of the carriage bolts.
- Place the crossbars onto the bolts and screw another nut on each of the carriage bolts.
- Tighten the outer nut, by hand, until the SecureView™ panel is squeezed into a compression fit.
- Tighten the inside nut against the crossbar and torque the outer nut with a ratchet or other tool so that no person can loosen them by hand.
- Use of TWO nuts and washers at each carriage bolt is a requirement for the integrity of the system.
- Please be sure not to over-tighten the bolts as warping of bracing bar and cover may occur.

55. STORM WINDOWS

- Removal of the entire storm window shall allow for a standard installation.
- Removal of the storm window sashes will allow for security screws to be placed into the storm window frame. Cut the SecureView™ panel to either have minimal or no overhang of the window frame to minimize the likely prying of the panel from the frame. Drill and countersink holes around the perimeter of the SecureView™ panel for security screws. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel.
- Keep the storm window sashes in place and cut the SecureView™ panel large enough that the perimeter of the panel may be screwed to the exterior window casing such that the panel will be tight against the structure. Drill and countersink holes around the perimeter of the SecureView™ panel for security screws. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel.
- Do not* install the SecureView™ panel so that the screws are exposed between the panel and the structure allowing the screws to be easily cut or pried from the structure.

56. FLUSH MOUNTED WINDOWS

- This style of window does not permit the standard installation of the SecureView™ panel into a natural recess of the window which may not allow for the SecureView™ panel to rest upon a window sill or other ledge. Below are a few ideas that could be employed in no particular order.
- Cut the SecureView™ panel to match the window frame and utilize the carriage bolt/compression method, but also add security screws into the window frame. Drill and countersink holes around the perimeter of the SecureView™ panel for security screws. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel. This installation method will minimize the possible damage to the property.
- Cut the SecureView™ panel to extend evenly beyond the window frame allowing for security screws to be placed structure. Drill and countersink holes around the perimeter of the SecureView™ panel for security screws. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel.

57. WINDOW AND FRAME REMOVED AND EXTRA LARGE PICTURE WINDOW

- Using 2x4s or other materials, build a frame that will create a recess for mounting of the SecureView™ panel. Cut the SecureView™ panel to match the window frame and utilize the carriage bolt/compression method.
- Using 2x4s or other materials, build a frame that will create a recess for mounting of the SecureView™ panel. Cut the SecureView™ panel to match the window frame and add security screws into the new window frame. Drill and countersink holes around the perimeter of the SecureView™ panel for security screws. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel.
- Cut the SecureView™ panel to extend evenly beyond the opening in the structure allowing for security screws to be placed into the structure. Drill and countersink holes around the perimeter of the SecureView™ panel for security screws. Start with a hole at each of the four corners and continue adding holes at 10"-12" increments around the panel.
- Extra large picture window - If a SecureView™ panel is to be placed against the window sash, the window glass is not separated from the panel. In the event this occurs cut a piece of crossbar material so that it will span from the top of the window to the bottom resting on the face of the sash. Place the material vertically at the center of the picture window and install the SecureView™ panel over this material. The panel is flexible enough that it will wrap around vertical member. It will however require longer screws near the center of the panel.

SECUREVIEW™, LLC (“SECUREVIEW™”) RETURN POLICY

Congratulations on your purchase of a new “SecureView™” product. We have gone the extra mile to provide detailed product descriptions, photos, and videos of our products. In all cases, it is the customer’s responsibility to inspect the product prior to taking delivery. With this in mind, please understand that we DO NOT accept returned products UNLESS they are damaged in transit or defective, or we accidentally sent the wrong product.

Under the foregoing circumstances, we will gladly exchange your product free of charge in accordance with the following Return Policy.

1. This policy applies only if we accidentally send you the wrong product, or if the product is damaged in transit, or defective.
2. This policy does not cover conditions resulting from abusive handling, misuse, or neglect, including: (a) exposure to water or outdoor elements; (b) improper assembly; or (c) failure to follow product safety, use, or storage guidelines.
3. As your sole remedy, this policy allows you to return goods that you have purchased, in exchange for a replacement product.
4. To arrange for a return or refund please contact us at 1.855. SCRVIEW, or send us an e-mail at customerservice@secureviewusa.com. Returns will be accepted under this policy only if requested within 14 days from date of receipt.
5. We will generally respond to any return request within 48 hours of receipt. We will review any return request and, upon accepting your return, will make the necessary arrangements to pick up the defective package at no extra cost to you. We will schedule a convenient pick-up time for you. Once onsite, a courier or delivery company specified by SecureView™ will arrive and print a customer receipt and free shipping label to complete the return. Please note: We will only incur the cost of ONE pickup attempt.
6. Returned items must be in new condition with their original packaging. We will not ship any replacement items until the original product is returned. We can only accept the return of opened items if they are damaged or defective.
7. Then, upon receiving the defective shipment, we will send out the corrected shipment free of charge. We will also send an email confirmation upon shipping the new product complete with a new tracking number.
8. This return policy was last updated on March, 2013. We may update this policy from time to time as our business continues to evolve and change, in which case the updated policy will apply to all products shipped after the date that such update takes effect.

If for some reason our products do not meet your expectations, PLEASE LET US KNOW. We will do our best to ensure that you remain a satisfied customer. Any input on how we can improve our products or customer service to better serve our valued customers is greatly appreciated.

All products are sold “as is.” There are no warranties, including without limitation implied Warranties of merchantability, fitness for any particular purpose, or non-infringement, which warranties are hereby specifically excluded. Remedies under this policy are limited to the exchange and delivery of a replacement product, as outlined above. Under no circumstances will SecureView™ be responsible for damages in excess of the purchase price. Additionally, incidental, special, punitive, or consequential damages (including, but not limited to, lost profits) are in all cases hereby expressly excluded.

SecureView™ is manufactured using recycled materials, therefore product may exhibit minor cosmetic blemishes.

