



# Pocahontas Aluminum Company inc.



## V21 Vinyl Insulated Windows

### Features:

- All welded frame & sash.
- Tilt sash.
- Reinforced lock/keeper rail.
- Exterior frame bevel.
- 2 5/8" depth of frame.
- 5/8" IG units accepted.
- Cam lock with keeper.
- Exterior glazing bead.
- Integrated J-channel.
- Dual weather-stripping.
- Integrated lift rail.
- Integrated nail-fin with 1" setback.
- Intermediate jamb with continuous head & sill.
- Universal pivot shoe pocket, & block & tackle constant force balance.
- Available in single hung, single slider, & picture window styles.
- Offered in double pane insulated, and LoE<sup>2</sup> Argon. All glass is available in clear, obscured, tempered, and grid options.
- Removable spring-loaded screen included.



### Manufacturer's Limitations:

|           | Width | Height |
|-----------|-------|--------|
| SH21 Min: | 14"   | 21"    |
| SH21 Max: | 48"   | 72"    |
| SS21 Min: | 14"   | 21"    |
| SS21 Max: | 72"   | 60"    |
| PI21 Min: | 10"   | 10"    |
| PI21 Max: | 48"   | 73"    |

\* Machinery capabilities dictate minimum & maximum sizes.

### Structural Performance:

**AAMA 1701.1-12 FHC&S Std. 3280.403**

**Wind Zone II @ 38 psf, (48x72)**

**Wind Zone III @ 58 psf, (36x54)**

**AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11**

**Class R-PG20 (36x54)-H Neg DP=45**

**Class R-PG20 (48x72)-H Neg DP=25**

|                   |   |
|-------------------|---|
| Air Infiltration  | 1.4L/s/m <sup>2</sup> (0.27 cfm/ft <sup>2</sup> ) |
| Water Penetration | 150 Pa (3.13 psf)                                 |

### Glass Performance:

(Cardinal Glass Industries' LoE<sup>2</sup>-270)

|                             |           |
|-----------------------------|-----------|
| Visible Light Transmittance | 70%       |
| Solar Heat Gain             | .37       |
| U-Factor (Air/Argon)        | 0.30/0.25 |
| UV                          | .14       |
| Fading Transmission         | .53       |

