

3100i Series

Historic Projected Window



Kansas State University
Power Plant
Manhattan, KS



Fixed | Casement | Project Out

Manko's **3100i** series projected window has been specifically designed for the historic replication of steel sash windows. Care was taken to keep sightlines in line with National Park Service historical preservation profiles. The **3100i** uses 24mm polyamide crimped-in-place structural thermal barrier in lieu of the traditional two-part poured and debridged system. This allows for superior thermal performance while maintaining structural integrity.

Varying exterior grid options include Beveled, Cove (*shown*), OG, and Square to meet your project needs, along with interior surface applied grids.

3100i Product Features

- Historic Aligned Profiles & Sightlines
- Fixed AW-100 / Projected AW-80
- 3 1/4" Frame Depth, with Nail Fin Option
- 24mm Polyamide Thermal Strut
- 1" - 1 1/2" Glazing Cavity
- Exterior Grid Options (Beveled, Cove, OG)
- Interior Surface Applied & Internal Muntins
- Standard and Custom Panning Profiles Available
- Anodized and AAMA 2605 Paint Finishes
- Dual Finish Available

AAMA Performance Values

Type	Performance Rating	Air Infiltration (ASTM E283)	Water Resistance (ASTM E547 & E331)
Fixed	AW-PG100	≤ 0.1 cfm/ft ²	15 PSF
Project Out	AW-PG80	≤ 0.1 cfm/ft ²	12 PSF
Casement	AW-PG80	≤ 0.1 cfm/ft ²	12 PSF

NFRC U-Values

Glass Types	Fixed	Projected	Casement
Clear SN 68 #2 / Clear	0.34 (0.31)	0.45 (0.42)	0.45 (0.42)
Clear SNX 62/27 #2 / Clear	0.34 (0.30)	0.45 (0.42)	0.45 (0.42)
Clear SB60 #2 / Clear	0.34 (0.30)	0.45 (0.42)	0.45 (0.42)
Clear SB70 #2 / Clear	0.34 (0.30)	0.45 (0.42)	0.45 (0.41)
Clear SN 68 #2 / IS 20 #4	0.30 (0.27)	0.42 (0.40)	0.41 (0.39)

* Values Calculated with Manko's Warm Edge Spacer

Values Subject to Change without Notice

Magnolia Headquarters
Waco, TX



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Manko's 3100i Series Historic Window