CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/26/17

AWNING

BRAND SUMMARY

Vinyl Awning Windows

manufactured by Pella Corporation feature an extruded, rigid PVC (polyvinyl chloride) frame and sash with heat-fused mitered corners for a fully welded corner assembly. Awning windows meet industry standards for water infiltration and wind resistance and meet ENERGY STAR® guidelines with Low-E glass. Available colors are White or Almond.

Vinyl windows and doors are available in all 50 states. Some options listed in this manual will be designated as available only in either the East or West region of the USA. These options are designed to meet the particular market needs of the indicated area of the country.

West Region East Region

EAST AND WEST REGIONS

Replacement Frame Design

This replacement frame is designed for applications where the old frame as been removed.

3-3/8" Frame Depth

New Construction Frame Design with Nailing Fin

Our new construction frame features a standard integral continuous fin, adding a protective weather barrier to the frame itself and allowing for hassle-free installation. The frame also includes an accessory groove for field mulling multiple units.

3-3/8" Frame Depth

WEST REGION ONLY

Replacement Flush Flange Frame Design

The Flush Flange Frame lets you easily replace an old aluminum or steel frame window without removing the existing frame. Usually, surrounding trim, paint, wallpaper or siding is not disturbed.

Available in West Region Only

3-3/8" Frame Depth

AWNING

DESIGN DATA

3-3/8" New Construction Frame

East and West Regions

CITY OF PORTLAND, MAINE · RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/26/17

SINGLE VENT AND FIXED

Call Out	Frame (inches)		Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade 1
	Width	Height			Annealed	Tempered	
2-0/1-6	23-1/2	17-1/2	1.2	1.2	3	3	R30
2-0/2-0	23-1/2	23-1/2	1.9	1.9	3	3	R30
2-0/2-6	23-1/2	29-1/2	2.5	2.6	3	3	R30
2-0/3-0	23-1/2	35-1/2	3.1	3.3	3	3	R30
3-0/1-6	35-1/2	17-1/2	2.2	2.1	3	3	R30
3-0/2-0	35-1/2	23-1/2	3.4	3.3	3	3	R30
3-0/2-6	35-1/2	29-1/2	4.5	4.5	3	3	R30
3-0/3-0	35-1/2	35-1/2	5.6	5.6	3	3	R30
4-0/1-6	47-1/2	17-1/2	3.2	3.0	3	3	R30
4-0/2-0	47-1/2	23-1/2	4.8	4.6	3	3	R30
4-0/2-6	47-1/2	29-1/2	6.5	6.3	3	3	R30
4-0/3-0	47-1/2	35-1/2	8.1	8.0	3	3	R30
5-0/1-6	59-1/2	17-1/2	4.2	3.8	3	3	R30
5-0/2-0	59-1/2	23-1/2	6.3	6.0	3	3	R30
5-0/2-6	59-1/2	29-1/2	8.5	8.2	3	3	R30
5-0/3-0	59-1/2	35-1/2	10.6	10.4	3	3	R30

SINGLE FIXED

Call Out	Frame (inches)		Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade 1
	Width	Height		Annealed	Tempered	
2-0/4-0	23-1/2	47-1/2	5.5	3	3	R25
2-0/4-6	23-1/2	53-1/2	6.3	3	3	R25
2-0/5-0	23-1/2	59-1/2	7.1	3	3	R25
3-0/4-0	35-1/2	47-1/2	9.1	3	3	R25
3-0/4-6	35-1/2	53-1/2	10.4	3	3	R25
3-0/5-0	35-1/2	59-1/2	11.7	3	3	R25
4-0/4-0	47-1/2	47-1/2	12.7	3	3	R25
4-0/4-6	47-1/2	53-1/2	14.4	3	3	R25
4-0/5-0	47-1/2	59-1/2	16.2	3	3	R25
5-0/4-0	59-1/2	47-1/2	16.2	3	3	R25
5-0/4-6	59-1/2	53-1/2	18.5	3	3	R25
5-0/5-0	59-1/2	59-1/2	20.8	3	3	R25

East and West Regions

SINGLE FIXED OVER VENT COMPOSITES WITH INTEGRAL MULLION

Call Out	Frame (inches)		Bottom Unit FDH	Transom FDH	Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade 1
	Width	Height					Annealed	Tempered	
2-0/4-6	23-1/2	53-1/2	39-3/4	14-1/2	3.6	6	3	3	R25
2-0/6-0	23-1/2	71-1/2	57-3/4	14-1/2	5.5	8	3	3	R25
2-0/7-0	23-1/2	83-1/2	69-3/4	14-1/2	6.7	9	3	3	R25
3-0/4-6	35-1/2	53-1/2	39-3/4	14-1/2	6.4	9	3	3	R25
3-0/6-0	35-1/2	71-1/2	57-3/4	14-1/2	9.8	13	3	3	R25
3-0/7-0	35-1/2	83-1/2	69-3/4	14-1/2	12.1	16	3	3	R25
4-0/4-6	47-1/2	53-1/2	39-3/4	14-1/2	9.3	13	3	3	R25
4-0/6-0	47-1/2	71-1/2	57-3/4	14-1/2	14.1	19	3	3	R25
4-0/7-0	47-1/2	83-1/2	69-3/4	14-1/2	17.4	22	3	3	R25
5-0/4-6	59-1/2	53-1/2	39-3/4	14-1/2	12.1	17	3	3	R25
5-0/6-0	59-1/2	71-1/2	57-3/4	14-1/2	18.5	24	5	5	R25
5-0/7-0	59-1/2	83-1/2	69-3/4	14-1/2	22.7	28	5	5	R25

(1) Maximum performance when glazed with the appropriate glass thickness.
To convert areas to square meters (m²), multiply square feet by 0.0929.

AWNING

DETAILED PRODUCT DESCRIPTIONS

East and West Regions

CITY OF PORTLAND, MAINE RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/26/17

FRAME

- Overall frame depth: 3-3/8".
- Frame members are extruded, rigid PVC.
- Frame members are mitered and heat-fused to provide a fully welded corner assembly.
- Frame: [new construction frame includes a continuous integral nailing fin] [Replacement Frame] [Replacement double-wall flush flange in exterior accessory groove (West region only)].
- Frame includes an accessory groove on interior and exterior.

SASH

- Sash members are extruded rigid PVC.
- Sash members are mitered and heat-fused to provide a fully welded corner assembly.

WEATHERSTRIPPING

- Vent units include vinyl clad foam weatherstrip around the perimeter of the sash and two vinyl clad foam weatherstrips around the perimeter of the frame.

GLAZING SYSTEM

- Quality float glass complying with ASTM C 1036.
- Exterior face-glazed 3/4" sealed insulating glass.
- [Clear] [Advanced Low-E coated, [with argon]] [SunDefense™ Low-E [with argon]] [bronze, Advanced Low-E coated, [with argon]]; [Standard obscure [Rain] (West region only] [tempered] [High Altitude [with argon] (West region only)].

INTERIOR / EXTERIOR

- All window frame members have an integral color extruded throughout the profiles.
- All exposed PVC surfaces are smooth and uniform in appearance.
- Colors: [Almond] [White].

East and West Regions

HARDWARE

- Dual lock with dual handles. Lock handles on jambs for units with frame width < 41-1/2". Lock handles on sill for frame width ≥ 41-1/2".
- High quality dual-arm roto-operator with fold down crank handle located on sill.
- Corrosion-resistant fasteners of PVC-compatible material.

SCREENS

- Full-size with black vinyl coated 18 / 14 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201.
- Set in four sided flange screen aluminum frame and fitted to interior of window.

OPTIONAL PRODUCTS

- Factory applied primed wood jamb extension for [4-9/16"] [6-9/16"] wall depth (East Region).

Grilles

- Grilles-Between-the-Glass
  - Insulating glass contains [3/4" contoured (East or West)] [1" contoured (East)] [5/8" flat (West)] aluminum grilles permanently installed between two panes of glass.
  - Grilles match color of interior and exterior frame.

Hardware

- Optional limited opening hardware available for vent units in stainless steel; nominal 3" opening.

AWNING

UNIT SECTIONS

3-3/8" New Construction Frame

East and West Regions

CITY OF PORTLAND, MAINE
RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/26/17

Scale 3" = 1' 0"
Factory Applied jamb extensions are available in the East region only.
All dimensions are approximate.

East and West Regions