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

DOUBLE-HUNG

BRAND SUMMARY

Vinyl Double-Hung 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. Double-Hung 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 REGION

Replacement Frame Design

The replacement frame is designed specifically for replacement application for easy installation. The replacement unit simply slides into the existing sash pocket created when the old sashes are removed. Installation is done from the inside of the home, so there is no mess. Usually, surrounding trim, paint, wallpaper or siding is not disturbed. Custom sizes are available in 1/8" increments–for a perfect fit.

3-1/4" Frame Depth

New Construction Frame Design with Fin

The new construction frame features a standard continuous fin, adding a protective weather barrier to the frame itself and allowing for hassle-free installation. Available with factory-applied jamb extensions for 4-9/16" or 6-9/16" wall depths.

4-3/16" Frame Depth

New Construction Frame Design with Fin and J-Channel

The new construction frame features a standard continuous fin, adding a protective weather barrier to the frame itself and allowing for hassle-free installation. The integral J-Channel with our brickmould profile makes the siding installation easy and eliminates the need for exterior trim. Available with factory-applied jamb extensions for 4-9/16" or 6-9/16" wall depths.

4-3/16" Frame Depth

DOUBLE-HUNG

DESIGN DATA

4-3/16" New Construction Frame

East Region Only

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

1-WIDE VENT UNITS

Unit	Egress	Frame (Inches)		Clear Opening (Vent Units Only)			Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade 1	
		Width	Height	Width	Height	Ft²		Annealed	Tempered	Standard	Upgrade 2
2-8/3-0		31-1/2	35-1/2	26-7/8	12-1/16	2.2	4.8	2.5	3	R35	R50
2-8/3-2		31-1/2	37-1/2	26-7/8	13-1/16	2.4	5.2	2.5	3	R35	R50
2-8/3-6		31-1/2	41-1/2	26-7/8	15-1/16	2.8	5.9	2.5	3	R35	R50
2-8/3-10		31-1/2	45-1/2	26-7/8	17-1/16	3.1	6.6	2.5	3	R35	R50
2-8/4-0		31-1/2	47-1/2	26-7/8	18-1/16	3.3	6.9	2.5	3	R35	R50
2-8/4-4		31-1/2	51-1/2	26-7/8	20-1/16	3.7	7.6	2.5	3	R35	R50
2-8/4-6		31-1/2	53-1/2	26-7/8	21-1/16	3.9	8.0	2.5	3	R35	R50
2-8/5-0		31-1/2	59-1/2	26-7/8	24-1/16	4.5	9.0	2.5	3	R35	R50
2-8/5-2		31-1/2	61-1/2	26-7/8	25-1/16	4.6	9.4	2.5	3	R35	R50
2-8/5-6	E1	31-1/2	65-1/2	26-7/8	27-1/16	5.0	10.1	2.5	3	R30	R50
2-8/6-0	E1	31-1/2	71-1/2	26-7/8	30-1/16	5.6	11.1	2.5	3	R30	R50
3-0/3-0		35-1/2	35-1/2	30-7/8	12-1/16	2.5	5.6	2.5	3	R35	R50
3-0/3-2		35-1/2	37-1/2	30-7/8	13-1/16	2.8	6.0	2.5	3	R35	R50
3-0/3-6		35-1/2	41-1/2	30-7/8	15-1/16	3.2	6.8	2.5	3	R35	R50
3-0/3-10		35-1/2	45-1/2	30-7/8	17-1/16	3.6	7.6	2.5	3	R35	R50
3-0/4-0		35-1/2	47-1/2	30-7/8	18-1/16	3.8	8.0	2.5	3	R35	R50
3-0/4-4		35-1/2	51-1/2	30-7/8	20-1/16	4.3	8.8	2.5	3	R35	R50
3-0/4-6		35-1/2	53-1/2	30-7/8	21-1/16	4.5	9.2	2.5	3	R35	R50
3-0/5-0	E1	35-1/2	59-1/2	30-7/8	24-1/16	5.1	10.5	2.5	3	R35	R50
3-0/5-2	E1	35-1/2	61-1/2	30-7/8	25-1/16	5.3	10.9	2.5	3	R35	R50
3-0/5-6	E	35-1/2	65-1/2	30-7/8	27-1/16	5.8	11.7	2.5	3	R30	R50
3-0/6-0	E	35-1/2	71-1/2	30-7/8	30-1/16	6.4	12.9	3	3	R30	R50
3-2/3-0		37-1/2	35-1/2	32-7/8	12-1/16	2.7	6.0	2.5	3	R30	R50
3-2/3-2		37-1/2	37-1/2	32-7/8	13-1/16	2.9	6.4	2.5	3	R30	R50
3-2/3-6		37-1/2	41-1/2	32-7/8	15-1/16	3.4	7.3	2.5	3	R30	R50
3-2/3-10		37-1/2	45-1/2	32-7/8	17-1/16	3.9	8.1	2.5	3	R30	R50
3-2/4-0		37-1/2	47-1/2	32-7/8	18-1/16	4.1	8.6	2.5	3	R30	R50
3-2/4-4		37-1/2	51-1/2	32-7/8	20-1/16	4.5	9.4	2.5	3	R30	R50
3-2/4-6		37-1/2	53-1/2	32-7/8	21-1/16	4.8	9.9	2.5	3	R30	R50
3-2/5-0	E1	37-1/2	59-1/2	32-7/8	24-1/16	5.5	11.2	2.5	3	R30	R50
3-2/5-2	E	37-1/2	61-1/2	32-7/8	25-1/16	5.7	11.6	2.5	3	R30	R50
3-2/5-6	E	37-1/2	65-1/2	32-7/8	27-1/16	6.1	12.5	3	3	R20	R50
3-2/6-0	E	37-1/2	71-1/2	32-7/8	30-1/16	6.8	13.8	3	3	R20	R50
3-4/3-0		39-1/2	35-1/2	34-7/8	12-1/16	2.9	6.3	2.5	3	R30	R50
3-4/3-2		39-1/2	37-1/2	34-7/8	13-1/16	3.1	6.8	2.5	3	R30	R50
3-4/3-6		39-1/2	41-1/2	34-7/8	15-1/16	3.6	7.7	2.5	3	R30	R50
3-4/3-10		39-1/2	45-1/2	34-7/8	17-1/16	4.1	8.7	2.5	3	R30	R50
3-4/4-0		39-1/2	47-1/2	34-7/8	18-1/16	4.3	9.1	2.5	3	R30	R50
3-4/4-4		39-1/2	51-1/2	34-7/8	20-1/16	4.8	10.0	2.5	3	R30	R50
3-4/4-6		39-1/2	53-1/2	34-7/8	21-1/16	5.1	10.5	2.5	3	R30	R50
3-4/5-0	E	39-1/2	59-1/2	34-7/8	24-1/16	5.8	11.9	2.5	3	R30	R50
3-4/5-2	E	39-1/2	61-1/2	34-7/8	25-1/16	6.0	12.4	3	3	R30	R50
3-4/5-6	E	39-1/2	65-1/2	34-7/8	27-1/16	6.5	13.3	3	3	R20	R50
3-4/6-0	E	39-1/2	71-1/2	34-7/8	30-1/16	7.2	14.7	3	3	R20	R50

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

(1) Maximum performance when glazed with the appropriate glass thickness.

(2) Indicates performance with additional steel reinforcement in sash cavity.

To convert areas to square meters (m²), multiply square feet by 0.0929

East Region Only

DOUBLE-HUNG

UNIT SECTIONS

4-3/16" New Construction Frame

East Region Only

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

Factory Applied Jamb Extensions

Scale 3" = 1' 0"

All dimensions are approximate.

East Region Only

DOUBLE-HUNG

DETAILED PRODUCT DESCRIPTIONS

East Region Only

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

FRAME

- Overall frame depth is [3-1/4" replacement frame with sill adapter and optional head expander] [4-3/16" new construction frame with [integral fin] [with integral fin and J-channel]].
- Frame members are extruded, rigid PVC.
- Frame members are mitered and heat-fused to provide a fully welded corner assembly.

SASH

- Sash members are extruded, rigid PVC.
- Sash members are mitered and heat-fused to provide a fully welded corner assembly.
- Includes an integral extruded sash lift.

WEATHERSTRIPPING

- Frame and sash is weatherstripped around the perimeter with a fin-type, pile weatherstripping.

GLAZING SYSTEM

- Quality float glass complying with ASTM C1036.
- Exterior face-glazed 3/4" sealed insulating glass.
- [Clear] [Advanced Low-E coated [with argon]] [SunDefense™ Low-E coated, [with argon]] [NaturalSun Low-E [with argon]] [bronze, Advanced Low-E coated, [with argon]]; [Clear] [obscure] [tempered].

INTERIOR / EXTERIOR

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

HARDWARE

- Constant force balances are concealed within the frame and connected to the sash with a bracket which houses a stainless steel coil spring.
- Upper and lower sashes are fully operable for ventilation.
- All fasteners are corrosion-resistant material compatible with PVC.
- Locks are factory-installed, zinc die cast, self aligning, cam action locks located on the checkrail.
- Two sash locks are installed on units with 29-1/2" or greater frame width.
- Tilt latches are factory installed, zinc die cast and are located on the checkrail of the lower sash and the top rail of the upper sash.
- Factory pre-finished to match interior.

SCREEN

- [Full-size] [Half-screen] with black vinyl coated 18/14 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201.
- Set in aluminum frame and fitted to exterior of window.
- Screens for window with frame height ≤ 51-1/2" have one plunger per side, screens for windows with frame height > 51-1/2" have two plungers per side.
- Screens for windows with frame width >39" or frame height > 53-1/2" have a screen spreader bar.

OPTIONAL PRODUCTS

- Primed wood jamb extensions available on 2-9/16" wall depth frame-for [4-9/16"] and [6-9/16"] frame depth.

Grilles

- Grilles-Between-the-Glass
  - Insulating glass contains [3/4"] [1"] contoured aluminum grilles permanently installed between two panes of glass.
  - Grilles match color of frame.
- Optional limited opening hardware available for vent units in [White] [Almond] extruded vinyl to match the unit; nominal 3-3/4" opening.
- Optional window opening control device available for field installation. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

East Region Only