



## Product Selection Guide

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| Size and Performance Data.....                                       | V-FW-2  |
| Sound Transmission Class and Outdoor-Indoor Transmission Class ..... | V-FW-3  |
| Features and Options.....                                            | V-FW-4  |
| Glazing Performance.....                                             | V-FW-5  |
| Grille Types.....                                                    | V-FW-10 |
| Standard Traditional Grille Breakpoints .....                        | V-FW-11 |
| Size Tables.....                                                     | V-FW-12 |
| 2-11/16" New Construction and Replacement Frame .....                | V-FW-12 |
| 2-11/16" Flush Flange Frame .....                                    | V-FW-13 |
| 2-11/16" New Construction and Replacement Frame .....                | V-FW-14 |
| 3-1/4" Replacement Frame.....                                        | V-FW-15 |
| 3-1/4" New Construction Frame .....                                  | V-FW-16 |
| Special Sizes .....                                                  | V-FW-17 |
| Design Data .....                                                    | V-FW-18 |
| 2-11/16" New Construction and Replacement Frame .....                | V-FW-18 |
| 2-11/16" Flush Flange Frame .....                                    | V-FW-19 |
| 2-11/16" New Construction and Replacement Frame .....                | V-FW-20 |
| 3-1/4" Replacement Frame.....                                        | V-FW-21 |
| 3-1/4" New Construction Frame .....                                  | V-FW-22 |
| Detailed Product Descriptions .....                                  | V-FW-23 |
| Unit Sections .....                                                  | V-FW-24 |
| 2-11/16" New Construction Frame East.....                            | V-FW-25 |
| 2-11/16" Flush Flange Frame .....                                    | V-FW-27 |
| 2-11/16" New Construction Frame West .....                           | V-FW-28 |
| 2-11/16" Replacement Frame East.....                                 | V-FW-29 |
| 3-1/4" Replacement Frame.....                                        | V-FW-30 |
| 2-11/16" Replacement Frame West .....                                | V-FW-31 |
| 3-1/4" New Construction Frame .....                                  | V-FW-33 |

## Supporting documents for this product:

### Test Reports

[https://media.pella.com/professional/adm/CertificationReports/Test\\_Reports\\_Vinyl-TS.pdf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/CertificationReports/Test_Reports_Vinyl-TS.pdf?utm_source=pdfdoc)

### CSI Specs (readable using Microsoft Word or other text editing application):

[https://media.pella.com/professional/adm/Vinyl-CSI\\_Specs/08562\\_FW-EE.rtf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl-CSI_Specs/08562_FW-EE.rtf?utm_source=pdfdoc)

### Detailed Product Description (readable using Microsoft Word or other text editing application):

[https://media.pella.com/professional/adm/Vinyl/V\\_FX.rtf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/V_FX.rtf?utm_source=pdfdoc)

### Size Tables (requires appropriate CAD software to read and use):

[https://media.pella.com/professional/adm/Vinyl/VFXW-Elev\\_D.dwg?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/VFXW-Elev_D.dwg?utm_source=pdfdoc)

### CAD cross sections (requires appropriate CAD software to read and use):

[https://media.pella.com/professional/adm/Vinyl/VFXW-Detail\\_D.dwg?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/VFXW-Detail_D.dwg?utm_source=pdfdoc)

### Combination Recommendations:

[https://media.pella.com/professional/adm/Vinyl/ENC\\_CombRec.pdf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/ENC_CombRec.pdf?utm_source=pdfdoc)

### Installation Details:

[https://media.pella.com/professional/adm/Vinyl/ENC\\_InstallDetails.pdf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/ENC_InstallDetails.pdf?utm_source=pdfdoc)

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

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The information published in this document is believed to be accurate at the time of publication. However, because we are constantly working to improve our products, specifications are subject to change without notice. Consult your local Pella representative for up-to-date product information.



# Encompass by Pella® Fixed Frame Window

## Size and Performance Data

### East Region Only

| East Region Only                                             | 2-11/16" New Construction Frame |                | Replacement Frame | 3-1/4" New Construction Frame |
|--------------------------------------------------------------|---------------------------------|----------------|-------------------|-------------------------------|
|                                                              | Flange Frame                    | Standard Frame |                   |                               |
| Size                                                         |                                 |                |                   |                               |
| Standard sizes                                               | ●                               | ●              | ●                 | ●                             |
| Special sizes available built on 1/8" increments             | ●                               | ●              | ●                 | ●                             |
| Frame                                                        |                                 |                |                   |                               |
| Nail Fin for 2-11/16" frame depth                            | —                               | ●              | —                 | —                             |
| Nail Fin for 2-1/8" frame depth                              | —                               | —              | —                 | ●                             |
| Nail Fin with J-Channel for 2-11/16" frame depth             | —                               | ●              | —                 | —                             |
| Replacement Frame with 2-11/16" frame depth                  | —                               | —              | ●                 | —                             |
| Replacement Frame with 3-1/4" frame depth                    | —                               | —              | ●                 | —                             |
| Flush Flange for 2-5/8" wall depth (Florida Only)            | ●                               | —              | —                 | —                             |
| Interior primed wood jamb extensions                         | —                               | ●              | —                 | ●                             |
| Performance <sub>1</sub>                                     |                                 |                |                   |                               |
| Meets or Exceeds AAMA/WDMA Ratings                           | FW-R25 – 50                     | FW-R25 – R50   | FW-R25-R45        | FW-R25-R35                    |
| Air Infiltration (cfm/ft² of frame @ 1.57 psf wind pressure) | 0.01                            | 0.01           | 0.01              | 0.01                          |
| Design Pressure                                              | 25-50 psf                       | 25–50 psf      | 25–50 psf         | 25–40 psf                     |
| Water Penetration Resistance                                 | 7.5 psf                         | 7.5 psf        | 7.5 psf           | 6.0 psf                       |

### West Region Only

|                                                                          | New Construction Frame | Replacement Frame |
|--------------------------------------------------------------------------|------------------------|-------------------|
| <b>Sizes</b>                                                             |                        |                   |
| Standard sizes                                                           | ●                      | —                 |
| Special sizes available built on 1/8" increments                         | ●                      | ●                 |
| <b>Frames</b>                                                            |                        |                   |
| Nail Fin for 2-11/16" frame depth                                        | ●                      | —                 |
| Replacement Block Frame with 2-11/16" frame depth                        | —                      | ●                 |
| Flush Flange for 2-11/16" frame depth                                    | —                      | ●                 |
| <b>Performance <sup>1</sup></b>                                          |                        |                   |
| Meets or Exceeds AAMA/NWWDA101/I.S.2 Ratings                             | FW-R25–30              | FW-R25–30         |
| Air Infiltration (cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure) | 0.01                   | 0.01              |
| Design Pressure                                                          | 25-30 psf              | 25-30 psf         |
| Water Penetration Resistance                                             | 5.25 psf               | 5.25 psf          |

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

(—) = Not Available

(1) Published performance data is for single unit only. See Design Data pages in this section for specific product performance class and grade values.



East and West Regions



## Encompass by Pella® Fixed Frame Window

### Sound Transmission Class - Outdoor-Indoor Transmission Class

| Frame Type                                                                                                         | Frame Size Tested <sub>1</sub> | Glazing System            |                          |                          | STC Rating | OITC Rating |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------|--------------------------|--------------------------|------------|-------------|
|                                                                                                                    |                                | Overall Glazing Thickness | Exterior Glass Thickness | Interior Glass Thickness |            |             |
| East                                                                                                               |                                |                           |                          |                          |            |             |
| 2-11/16" New Construction Frame Fixed - (Single-Hung)                                                              |                                |                           |                          |                          |            |             |
| 2-11/16" Frame Depth Fin Install Fixed Window to match Single-Hung and Sliding Window - Dual Pane Insulating Glass | 48" x 48"                      | 3/4"                      | 3 mm                     | 3 mm                     | 25         | 21          |
| 2-11/16" Replacement Frame Fixed                                                                                   |                                |                           |                          |                          |            |             |
| 2-11/16" Frame Depth Replacement Fixed Window to match Single-Hung and Sliding Window - Dual Pane Insulating Glass | 48" x 48"                      | 3/4"                      | 3 mm                     | 3 mm                     | 25         | 21          |
| 3-1/4" Replacement Frame Fixed                                                                                     |                                |                           |                          |                          |            |             |
| 3-1/4" Frame Depth Replacement Fixed Window to match Double-Hung Window - Dual Pane Insulating Glass               | 48" x 48"                      | 3/4"                      | 3 mm                     | 3 mm                     | 25         | 21          |
| 3-1/4" New Construction Frame Fixed - (Double-Hung)                                                                |                                |                           |                          |                          |            |             |
| 3-1/4" Frame Depth Fin Install Fixed Window to match Double-Hung Window - Dual Pane Insulating Glass               | 48" x 48"                      | 3/4"                      | 3 mm                     | 3 mm                     | 25         | 22          |
| West                                                                                                               |                                |                           |                          |                          |            |             |
| 2-11/16" New Construction Frame Fixed - (Single-Hung)                                                              |                                |                           |                          |                          |            |             |
| 2-11/16" Frame Depth Fin Install Fixed Window - Dual Pane Insulating Glass                                         | 48" x 48"                      | 3/4"                      | 3 mm                     | 3 mm                     | 26         | 21          |
| 2-11/16" Replacement Frame Fixed - (Single-Hung)                                                                   |                                |                           |                          |                          |            |             |
| 2-11/16" Frame Depth Replacement Fixed Window - Dual Pane Insulating Glass                                         | 48" x 48"                      | 3/4"                      | 3 mm                     | 3 mm                     | 26         | 21          |

(1) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.



East and West Regions



# Encompass by Pella® Fixed Frame Window

## Features and Options

|                                                                   | New<br>Construction Frame | Replacement<br>Frame |
|-------------------------------------------------------------------|---------------------------|----------------------|
| <b>Glazing (3/4" Insulating Glass)</b>                            |                           |                      |
| <b>Glazing Type</b>                                               |                           |                      |
| Dual-pane insulating glass                                        | S                         | S                    |
| <b>Insulated Glass Options / Low-E Types</b>                      |                           |                      |
| Advanced Low-E                                                    | O                         | O                    |
| NaturalSun Low-E                                                  | O                         | O                    |
| NaturalSun+ Low-E                                                 | O                         | O                    |
| SunDefense™ Low-E                                                 | O                         | O                    |
| SunDefense+ Low-E                                                 | O                         | O                    |
| Advanced Comfort Low-E (West Region Only)                         | O                         | O                    |
| Clear (no Low-E coating)                                          | S                         | S                    |
| <b>Additional Glass Options</b>                                   |                           |                      |
| Annealed glass                                                    | S                         | S                    |
| Tempered glass                                                    | O                         | O                    |
| Obscure glass <sup>1</sup>                                        | O                         | O                    |
| <b>Gas Fill / High Altitude</b>                                   |                           |                      |
| Argon                                                             | O                         | O                    |
| High altitude (West Region Only)                                  | O                         | O                    |
| High altitude with argon (West Region Only)                       | O                         | O                    |
| <b>Interior / Exterior Color (Regional availability may vary)</b> |                           |                      |
| White                                                             | S                         | S                    |
| Almond                                                            | O                         | O <sub>2</sub>       |
| Fossil                                                            | O                         | O <sub>2</sub>       |
| <b>Grilles-Between-the-Glass</b>                                  |                           |                      |
| <b>Grille Types</b>                                               |                           |                      |
| 3/4" Contour                                                      | O                         | O                    |
| 5/8" Flat (West Region Only)                                      | O                         | O                    |
| <b>Grille Patterns</b>                                            |                           |                      |
| Traditional                                                       | O                         | O                    |
| Prairie                                                           | O                         | O                    |
| Top Row                                                           | O                         | O                    |

S = Standard; O = Optional

(1) Obscure glass patterns vary based on region.

(2) East Only

Size restrictions for units with Rain obscure glass are listed on the Special Size page of this section.



East and West Regions



# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

| Glass Thickness        | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sub>1</sub> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |   |                     |      |
|------------------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|---|---------------------|------|
|                        |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |   | Canada <sub>2</sub> |      |
|                        |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |   | ER                  | Zone |
| Fixed — 2-11/16" Frame |                                |                          |            |      |          |                                 |      |      |    | N                                                                  | NC | SC | S | CA                  |      |
| 3/4"                   | Clear IG                       | PEL-A-294-00098-00001    | 3          | 3    | air      | 0.46                            | 0.69 | 0.73 | 44 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00098-00002    |            |      |          | 0.46                            | 0.62 | 0.65 | 44 |                                                                    |    |    |   |                     |      |
| 3/4"                   | Advanced Low-E IG              | PEL-A-294-00100-00001    | 3          | 3    | air      | 0.31                            | 0.33 | 0.62 | 56 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00100-00002    |            |      |          | 0.31                            | 0.30 | 0.56 | 56 |                                                                    |    |    |   |                     |      |
| 3/4"                   | Advanced Low-E IG              | PEL-A-294-00103-00001    | 3          | 3    | argon    | 0.27                            | 0.33 | 0.62 | 60 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00103-00002    |            |      |          | 0.27                            | 0.30 | 0.56 | 60 |                                                                    |    |    |   |                     |      |
| 3/4"                   | NaturalSun Low-E IG            | PEL-A-294-00099-00001    | 3          | 3    | air      | 0.31                            | 0.57 | 0.70 | 56 |                                                                    |    |    |   | 34                  | CA   |
|                        | with Grilles-between-the-glass | PEL-A-294-00099-00002    |            |      |          | 0.31                            | 0.52 | 0.63 | 56 |                                                                    |    |    |   |                     |      |
| 3/4"                   | NaturalSun Low-E IG            | PEL-A-294-00102-00001    | 3          | 3    | argon    | 0.28                            | 0.57 | 0.70 | 59 |                                                                    |    |    |   | 38                  | CA   |
|                        | with Grilles-between-the-glass | PEL-A-294-00102-00002    |            |      |          | 0.28                            | 0.52 | 0.63 | 59 |                                                                    |    |    |   | 35                  | CA   |
| 3/4"                   | NaturalSun+ Low-E IG           | PEL-A-294-00165-00001    | 3          | 3    | argon    | 0.23                            | 0.55 | 0.69 | 46 | N                                                                  |    |    |   | 43                  | CA   |
|                        | with Grilles-between-the-glass | PEL-A-294-00165-00002    |            |      |          | 0.23                            | 0.50 | 0.62 | 46 | N                                                                  |    |    |   | 40                  | CA   |
| 3/4"                   | SunDefense™ Low-E IG           | PEL-A-294-00101-00001    | 3          | 3    | air      | 0.30                            | 0.25 | 0.57 | 57 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00101-00002    |            |      |          | 0.30                            | 0.23 | 0.51 | 57 |                                                                    |    |    | S |                     |      |
| 3/4"                   | SunDefense™ Low-E IG           | PEL-A-294-00105-00001    | 3          | 3    | argon    | 0.26                            | 0.24 | 0.57 | 60 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00105-00002    |            |      |          | 0.26                            | 0.22 | 0.51 | 60 |                                                                    |    | SC | S |                     |      |
| 3/4"                   | SunDefense+ Low-E IG           | PEL-A-294-00166-00001    | 3          | 3    | argon    | 0.22                            | 0.24 | 0.56 | 48 | N                                                                  | NC |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00166-00002    |            |      |          | 0.22                            | 0.22 | 0.50 | 48 | N                                                                  | NC | SC | S |                     |      |
| 3/4"                   | Clear IG                       | PEL-A-294-00106-00001    | 5          | 5    | air      | 0.48                            | 0.66 | 0.72 | 43 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00107-00001    |            |      |          | 0.49                            | 0.60 | 0.64 | 43 |                                                                    |    |    |   |                     |      |
| 3/4"                   | Advanced Low-E IG              | PEL-A-294-00110-00001    | 5          | 5    | air      | 0.33                            | 0.33 | 0.61 | 53 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00111-00001    |            |      |          | 0.35                            | 0.30 | 0.55 | 53 |                                                                    |    |    |   |                     |      |
| 3/4"                   | Advanced Low-E IG              | PEL-A-294-00116-00001    | 5          | 5    | argon    | 0.28                            | 0.33 | 0.61 | 57 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00117-00001    |            |      |          | 0.29                            | 0.30 | 0.55 | 57 |                                                                    |    |    |   |                     |      |
| 3/4"                   | NaturalSun Low-E IG            | PEL-A-294-00108-00001    | 5          | 5    | air      | 0.34                            | 0.55 | 0.69 | 52 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00109-00001    |            |      |          | 0.36                            | 0.50 | 0.62 | 52 |                                                                    |    |    |   |                     |      |
| 3/4"                   | NaturalSun Low-E IG            | PEL-A-294-00114-00001    | 5          | 5    | argon    | 0.29                            | 0.55 | 0.69 | 57 |                                                                    |    |    |   | 36                  | CA   |
|                        | with Grilles-between-the-glass | PEL-A-294-00115-00001    |            |      |          | 0.30                            | 0.50 | 0.62 | 57 |                                                                    |    |    |   |                     |      |
| 3/4"                   | NaturalSun+ Low-E IG           | PEL-A-294-00169-00001    | 5          | 5    | argon    | 0.24                            | 0.53 | 0.67 | 43 | N                                                                  |    |    |   | 41                  | CA   |
|                        | with Grilles-between-the-glass | PEL-A-294-00173-00001    |            |      |          | 0.25                            | 0.48 | 0.60 | 43 | N                                                                  |    |    |   | 36                  | CA   |
| 3/4"                   | SunDefense™ Low-E IG           | PEL-A-294-00112-00001    | 5          | 5    | air      | 0.32                            | 0.25 | 0.56 | 54 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00113-00001    |            |      |          | 0.34                            | 0.23 | 0.51 | 54 |                                                                    |    |    |   |                     |      |
| 3/4"                   | SunDefense™ Low-E IG           | PEL-A-294-00118-00001    | 5          | 5    | argon    | 0.27                            | 0.25 | 0.56 | 58 |                                                                    |    |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00119-00001    |            |      |          | 0.29                            | 0.23 | 0.51 | 58 |                                                                    |    |    | S |                     |      |
| 3/4"                   | SunDefense+ Low-E IG           | PEL-A-294-00170-00001    | 5          | 5    | argon    | 0.23                            | 0.24 | 0.55 | 44 |                                                                    | NC |    |   |                     |      |
|                        | with Grilles-between-the-glass | PEL-A-294-00174-00001    |            |      |          | 0.24                            | 0.22 | 0.49 | 44 |                                                                    | NC | SC | S |                     |      |

R-Value = 1/U-Factor

SHGC = Solar Heat Gain Coefficient

VLT % = Visible Light Transmission

CR = Condensation Resistance

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

For more information, see the ENERGY STAR guidelines.

Performance values on this page reflect units with standard performance. For performance values on units with a performance upgrade option, please contact Pella Corporation.

Size may affect the performance values.





# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

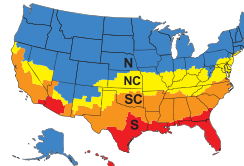
| Glass Thickness                  | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sup>1</sup> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |   |
|----------------------------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|---|
|                                  |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |   |
|                                  |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |   |
| Fixed — 3-1/4" Replacement Frame |                                |                          |            |      |          |                                 |      |      |    | N                                                                  | NC | SC | S |
| 3/4"                             | Clear IG                       | PEL-A-301-00189-00001    | 3          | 3    | air      | 0.45                            | 0.63 | 0.67 | 45 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00189-00002    |            |      |          | 0.45                            | 0.57 | 0.60 | 45 |                                                                    |    |    |   |
| 3/4"                             | Advanced Low-E IG              | PEL-A-301-00192-00001    | 3          | 3    | air      | 0.30                            | 0.31 | 0.57 | 58 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00192-00002    |            |      |          | 0.30                            | 0.28 | 0.51 | 58 |                                                                    |    |    |   |
| 3/4"                             | Advanced Low-E IG              | PEL-A-301-00195-00001    | 3          | 3    | argon    | 0.26                            | 0.31 | 0.57 | 62 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00195-00002    |            |      |          | 0.26                            | 0.28 | 0.51 | 62 |                                                                    |    |    |   |
| 3/4"                             | NaturalSun Low-E IG            | PEL-A-301-00190-00001    | 3          | 3    | air      | 0.31                            | 0.53 | 0.64 | 57 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00190-00002    |            |      |          | 0.31                            | 0.47 | 0.57 | 57 |                                                                    |    |    |   |
| 3/4"                             | NaturalSun Low-E IG            | PEL-A-301-00194-00001    | 3          | 3    | argon    | 0.27                            | 0.53 | 0.64 | 61 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00194-00002    |            |      |          | 0.27                            | 0.47 | 0.57 | 61 |                                                                    |    |    |   |
| 3/4"                             | NaturalSun+ Low-E IG           | PEL-A-301-00216-00001    | 3          | 3    | argon    | 0.23                            | 0.51 | 0.63 | 48 | N                                                                  |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00216-00002    |            |      |          | 0.23                            | 0.46 | 0.56 | 48 | N                                                                  |    |    |   |
| 3/4"                             | SunDefense™ Low-E IG           | PEL-A-301-00193-00001    | 3          | 3    | air      | 0.30                            | 0.23 | 0.52 | 58 |                                                                    |    |    | S |
|                                  | with Grilles-between-the-glass | PEL-A-301-00193-00002    |            |      |          | 0.30                            | 0.21 | 0.47 | 58 |                                                                    |    |    | S |
| 3/4"                             | SunDefense™ Low-E IG           | PEL-A-301-00197-00001    | 3          | 3    | argon    | 0.26                            | 0.22 | 0.52 | 62 |                                                                    |    | SC | S |
|                                  | with Grilles-between-the-glass | PEL-A-301-00197-00002    |            |      |          | 0.26                            | 0.20 | 0.47 | 62 |                                                                    |    | SC | S |
| 3/4"                             | SunDefense+ Low-E IG           | PEL-A-301-00217-00001    | 3          | 3    | argon    | 0.22                            | 0.22 | 0.51 | 48 | N                                                                  | NC | SC | S |
|                                  | with Grilles-between-the-glass | PEL-A-301-00217-00002    |            |      |          | 0.22                            | 0.20 | 0.46 | 48 | N                                                                  | NC | SC | S |
| 3/4"                             | Clear IG                       | PEL-A-301-00198-00001    | 5          | 5    | air      | 0.46                            | 0.61 | 0.65 | 44 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00207-00001    |            |      |          | 0.47                            | 0.54 | 0.58 | 44 |                                                                    |    |    |   |
| 3/4"                             | Advanced Low-E IG              | PEL-A-301-00201-00001    | 5          | 5    | air      | 0.33                            | 0.31 | 0.56 | 54 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00210-00001    |            |      |          | 0.35                            | 0.28 | 0.50 | 54 |                                                                    |    |    |   |
| 3/4"                             | Advanced Low-E IG              | PEL-A-301-00204-00001    | 5          | 5    | argon    | 0.28                            | 0.30 | 0.56 | 58 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00213-00001    |            |      |          | 0.30                            | 0.27 | 0.50 | 58 |                                                                    |    |    |   |
| 3/4"                             | NaturalSun Low-E IG            | PEL-A-301-00199-00001    | 5          | 5    | air      | 0.33                            | 0.51 | 0.63 | 54 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00208-00001    |            |      |          | 0.35                            | 0.46 | 0.56 | 54 |                                                                    |    |    |   |
| 3/4"                             | NaturalSun Low-E IG            | PEL-A-301-00203-00001    | 5          | 5    | argon    | 0.29                            | 0.51 | 0.63 | 58 |                                                                    |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00212-00001    |            |      |          | 0.30                            | 0.46 | 0.56 | 58 |                                                                    |    |    |   |
| 3/4"                             | NaturalSun+ Low-E IG           | PEL-A-301-00222-00001    | 5          | 5    | argon    | 0.24                            | 0.49 | 0.62 | 44 | N                                                                  |    |    |   |
|                                  | with Grilles-between-the-glass | PEL-A-301-00224-00001    |            |      |          | 0.25                            | 0.44 | 0.55 | 44 | N                                                                  |    |    |   |
| 3/4"                             | SunDefense™ Low-E IG           | PEL-A-301-00202-00001    | 5          | 5    | air      | 0.32                            | 0.23 | 0.51 | 55 |                                                                    |    |    | S |
|                                  | with Grilles-between-the-glass | PEL-A-301-00211-00001    |            |      |          | 0.34                            | 0.21 | 0.46 | 55 |                                                                    |    |    |   |
| 3/4"                             | SunDefense™ Low-E IG           | PEL-A-301-00206-00001    | 5          | 5    | argon    | 0.27                            | 0.23 | 0.51 | 59 |                                                                    |    | SC | S |
|                                  | with Grilles-between-the-glass | PEL-A-301-00215-00001    |            |      |          | 0.29                            | 0.21 | 0.46 | 59 |                                                                    |    |    | S |
| 3/4"                             | SunDefense+ Low-E IG           | PEL-A-301-00223-00001    | 5          | 5    | argon    | 0.23                            | 0.23 | 0.50 | 45 |                                                                    | NC | SC | S |
|                                  | with Grilles-between-the-glass | PEL-A-301-00225-00001    |            |      |          | 0.24                            | 0.20 | 0.45 | 45 |                                                                    | NC | SC | S |

R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (version 7) criteria.

For more information, see the ENERGY STAR guidelines.

Climate Zones



East Region Only



# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

| Glass Thickness                       | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sup>1</sup> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |    |                     |      |
|---------------------------------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|----|---------------------|------|
|                                       |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |    | Canada <sup>2</sup> |      |
|                                       |                                |                          |            |      |          |                                 |      |      |    |                                                                    |    |    |    |                     |      |
|                                       |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |    | ER                  | Zone |
| Fixed — 3-1/4" New Construction Frame |                                |                          |            |      |          |                                 |      |      |    | N                                                                  | NC | SC | S  | CA                  |      |
| 3/4"                                  | Clear IG                       | PEL-A-300-00151-00001    | 3          | 3    | air      | 0.45                            | 0.63 | 0.67 | 45 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00151-00002    |            |      |          | 0.45                            | 0.57 | 0.60 | 45 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | Advanced Low-E IG              | PEL-A-300-00154-00001    | 3          | 3    | air      | 0.31                            | 0.31 | 0.57 | 57 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00154-00002    |            |      |          | 0.31                            | 0.28 | 0.51 | 57 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | Advanced Low-E IG              | PEL-A-300-00157-00001    | 3          | 3    | argon    | 0.27                            | 0.30 | 0.57 | 61 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00157-00002    |            |      |          | 0.27                            | 0.27 | 0.51 | 61 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | NaturalSun Low-E IG            | PEL-A-300-00152-00001    | 3          | 3    | air      | 0.31                            | 0.52 | 0.64 | 56 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00152-00002    |            |      |          | 0.31                            | 0.47 | 0.58 | 56 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | NaturalSun Low-E IG            | PEL-A-300-00156-00001    | 3          | 3    | argon    | 0.28                            | 0.52 | 0.64 | 60 |                                                                    |    |    |    | 35                  | CA   |
|                                       | with Grilles-between-the-glass | PEL-A-300-00156-00002    |            |      |          | 0.28                            | 0.47 | 0.58 | 60 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | NaturalSun+ Low-E IG           | PEL-A-300-00178-00001    | 3          | 3    | argon    | 0.23                            | 0.51 | 0.63 | 47 | N                                                                  |    |    |    | 41                  | CA   |
|                                       | with Grilles-between-the-glass | PEL-A-300-00178-00002    |            |      |          | 0.23                            | 0.46 | 0.56 | 47 | N                                                                  |    |    |    | 38                  | CA   |
| 3/4"                                  | SunDefense™ Low-E IG           | PEL-A-300-00155-00001    | 3          | 3    | air      | 0.30                            | 0.23 | 0.53 | 51 |                                                                    |    |    |    | S                   |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00155-00002    |            |      |          | 0.30                            | 0.21 | 0.47 | 51 |                                                                    |    |    |    | S                   |      |
| 3/4"                                  | SunDefense™ Low-E IG           | PEL-A-300-00159-00001    | 3          | 3    | argon    | 0.26                            | 0.22 | 0.53 | 57 |                                                                    |    |    | SC | S                   |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00159-00002    |            |      |          | 0.26                            | 0.20 | 0.47 | 57 |                                                                    |    |    | SC | S                   |      |
| 3/4"                                  | SunDefense+ Low-E IG           | PEL-A-300-00179-00001    | 3          | 3    | argon    | 0.22                            | 0.22 | 0.52 | 49 | N                                                                  | NC |    | SC | S                   |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00179-00002    |            |      |          | 0.22                            | 0.20 | 0.46 | 49 | N                                                                  | NC | SC | S  |                     |      |
| 3/4"                                  | Clear IG                       | PEL-A-300-00160-00001    | 5          | 5    | air      | 0.46                            | 0.60 | 0.66 | 43 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00169-00001    |            |      |          | 0.47                            | 0.54 | 0.59 | 43 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | Advanced Low-E IG              | PEL-A-300-00163-00001    | 5          | 5    | air      | 0.33                            | 0.30 | 0.56 | 48 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00172-00001    |            |      |          | 0.35                            | 0.28 | 0.50 | 48 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | Advanced Low-E IG              | PEL-A-300-00166-00001    | 5          | 5    | argon    | 0.28                            | 0.3  | 0.56 | 54 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00175-00001    |            |      |          | 0.30                            | 0.27 | 0.50 | 54 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | NaturalSun Low-E IG            | PEL-A-300-00161-00001    | 5          | 5    | air      | 0.34                            | 0.51 | 0.63 | 51 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00170-00001    |            |      |          | 0.35                            | 0.45 | 0.56 | 51 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | NaturalSun Low-E IG            | PEL-A-300-00165-00001    | 5          | 5    | argon    | 0.29                            | 0.50 | 0.63 | 54 |                                                                    |    |    |    |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00174-00001    |            |      |          | 0.31                            | 0.45 | 0.56 | 54 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | NaturalSun+ Low-E IG           | PEL-A-300-00184-00001    | 5          | 5    | argon    | 0.25                            | 0.49 | 0.62 | 44 | N                                                                  |    |    |    | 37                  | CA   |
|                                       | with Grilles-between-the-glass | PEL-A-300-00186-00001    |            |      |          | 0.26                            | 0.44 | 0.55 | 44 | N                                                                  |    |    |    |                     |      |
| 3/4"                                  | SunDefense™ Low-E IG           | PEL-A-300-00164-00001    | 5          | 5    | air      | 0.32                            | 0.23 | 0.52 | 51 |                                                                    |    |    |    | S                   |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00173-00001    |            |      |          | 0.34                            | 0.21 | 0.46 | 51 |                                                                    |    |    |    |                     |      |
| 3/4"                                  | SunDefense™ Low-E IG           | PEL-A-300-00168-00001    | 5          | 5    | argon    | 0.27                            | 0.23 | 0.52 | 55 |                                                                    |    |    | SC | S                   |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00177-00001    |            |      |          | 0.29                            | 0.21 | 0.46 | 55 |                                                                    |    |    |    | S                   |      |
| 3/4"                                  | SunDefense+ Low-E IG           | PEL-A-300-00185-00001    | 5          | 5    | argon    | 0.23                            | 0.23 | 0.50 | 45 |                                                                    | NC | SC | S  |                     |      |
|                                       | with Grilles-between-the-glass | PEL-A-300-00187-00001    |            |      |          | 0.24                            | 0.20 | 0.45 | 45 |                                                                    | NC | SC | S  |                     |      |

R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative. For more information, see the ENERGY STAR guidelines.





# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

| Glass Thickness | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sub>1</sub> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |  |    |   |                     |      |
|-----------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|--|----|---|---------------------|------|
|                 |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |  |    |   | Canada <sub>2</sub> |      |
|                 |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |  |    |   | ER                  | Zone |
|                 |                                |                          |            |      |          |                                 |      |      |    | Fixed — 1/2" Flange Frame                                          |  |    |   |                     |      |
| 3/4"            | Clear IG                       | PEL-A-294-00098-00001    | 3          | 3    | air      | 0.46                            | 0.69 | 0.73 | 44 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00098-00002    |            |      |          | 0.46                            | 0.62 | 0.65 | 44 |                                                                    |  |    |   |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-294-00100-00001    | 3          | 3    | air      | 0.31                            | 0.33 | 0.62 | 56 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00100-00002    |            |      |          | 0.31                            | 0.30 | 0.56 | 56 |                                                                    |  |    |   |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-294-00103-00001    | 3          | 3    | argon    | 0.27                            | 0.33 | 0.62 | 60 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00103-00002    |            |      |          | 0.27                            | 0.30 | 0.56 | 60 |                                                                    |  |    |   |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-294-00099-00001    | 3          | 3    | air      | 0.31                            | 0.57 | 0.70 | 56 |                                                                    |  |    |   | 34                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-294-00099-00002    |            |      |          | 0.31                            | 0.52 | 0.63 | 56 |                                                                    |  |    |   |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-294-00102-00001    | 3          | 3    | argon    | 0.28                            | 0.57 | 0.70 | 59 |                                                                    |  |    |   | 38                  | CA   |
|                 | with 3/4" Contour Grille       | PEL-A-294-00102-00002    |            |      |          | 0.28                            | 0.52 | 0.63 | 59 |                                                                    |  |    |   | 35                  | CA   |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-294-00101-00001    | 3          | 3    | air      | 0.30                            | 0.25 | 0.57 | 57 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00101-00002    |            |      |          | 0.30                            | 0.23 | 0.51 | 57 |                                                                    |  |    | S |                     |      |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-294-00105-00001    | 3          | 3    | argon    | 0.26                            | 0.24 | 0.57 | 60 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00105-00002    |            |      |          | 0.26                            | 0.22 | 0.51 | 60 |                                                                    |  | SC | S |                     |      |
| 3/4"            | Clear IG                       | PEL-A-294-00106-00001    | 5          | 5    | air      | 0.48                            | 0.66 | 0.72 | 43 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00107-00001    |            |      |          | 0.49                            | 0.60 | 0.64 | 43 |                                                                    |  |    |   |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-294-00110-00001    | 5          | 5    | air      | 0.33                            | 0.33 | 0.61 | 53 |                                                                    |  |    |   |                     |      |
|                 | with 3/4" Contour Grille       | PEL-A-294-00111-00001    |            |      |          | 0.35                            | 0.30 | 0.55 | 53 |                                                                    |  |    |   |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-294-00116-00001    | 5          | 5    | argon    | 0.28                            | 0.33 | 0.61 | 57 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00117-00001    |            |      |          | 0.29                            | 0.30 | 0.55 | 57 |                                                                    |  |    |   |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-294-00108-00001    | 5          | 5    | air      | 0.34                            | 0.55 | 0.69 | 52 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00109-00001    |            |      |          | 0.36                            | 0.50 | 0.62 | 52 |                                                                    |  |    |   |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-294-00114-00001    | 5          | 5    | argon    | 0.29                            | 0.55 | 0.69 | 57 |                                                                    |  |    |   | 36                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-294-00115-00001    |            |      |          | 0.30                            | 0.50 | 0.62 | 57 |                                                                    |  |    |   |                     |      |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-294-00112-00001    | 5          | 5    | air      | 0.32                            | 0.25 | 0.56 | 54 |                                                                    |  |    |   |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-294-00113-00001    |            |      |          | 0.34                            | 0.23 | 0.51 | 54 |                                                                    |  |    |   |                     |      |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-294-00118-00001    | 5          | 5    | argon    | 0.27                            | 0.25 | 0.56 | 58 |                                                                    |  |    |   |                     |      |
|                 | with 3/4" Contour Grille       | PEL-A-294-00119-00001    |            |      |          | 0.29                            | 0.23 | 0.51 | 58 |                                                                    |  |    | S |                     |      |

R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (version 7) criteria.  
 (2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative. For more information, see the ENERGY STAR guidelines.





# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

| Glass Thickness | Type of Glazing                | NFRC Certified Product # | Glass (mm) |      | Gap Fill | Performance Values <sub>1</sub> |      |      |    | Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown |    |    |    |                     |      |
|-----------------|--------------------------------|--------------------------|------------|------|----------|---------------------------------|------|------|----|--------------------------------------------------------------------|----|----|----|---------------------|------|
|                 |                                |                          | Ext.       | Int. |          | U-Factor                        | SHGC | VLT  | CR | U. S.                                                              |    |    |    | Canada <sub>2</sub> |      |
|                 |                                |                          |            |      |          |                                 |      |      |    | Zone                                                               |    |    |    | ER                  | Zone |
|                 |                                |                          |            |      |          |                                 |      |      |    | Fixed — 2-11/16" Frame                                             |    |    |    |                     |      |
| 3/4"            | Clear IG                       | PEL-A-297-00173-00001    | 3          | 3    | air      | 0.46                            | 0.69 | 0.73 | 45 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00173-00002    |            |      |          | 0.46                            | 0.63 | 0.66 | 45 |                                                                    |    |    |    |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-297-00175-00001    | 3          | 3    | air      | 0.30                            | 0.33 | 0.62 | 57 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00175-00002    |            |      |          | 0.30                            | 0.30 | 0.56 | 57 |                                                                    |    |    |    |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-297-00178-00001    | 3          | 3    | argon    | 0.26                            | 0.33 | 0.62 | 61 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00178-00002    |            |      |          | 0.26                            | 0.30 | 0.56 | 61 |                                                                    |    |    |    |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-297-00174-00001    | 3          | 3    | air      | 0.31                            | 0.58 | 0.70 | 56 |                                                                    |    |    |    | 35                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-297-00174-00002    |            |      |          | 0.31                            | 0.52 | 0.63 | 56 |                                                                    |    |    |    |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-297-00177-00001    | 3          | 3    | argon    | 0.27                            | 0.58 | 0.70 | 60 |                                                                    |    |    |    | 40                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-297-00177-00002    |            |      |          | 0.27                            | 0.52 | 0.63 | 60 |                                                                    |    |    |    | 36                  | CA   |
| 3/4"            | NaturalSun+ Low-E IG           | PEL-A-297-00200-00001    | 3          | 3    | argon    | 0.22                            | 0.56 | 0.69 | 47 | N                                                                  |    |    |    | 45                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-297-00200-00002    |            |      |          | 0.22                            | 0.50 | 0.62 | 47 | N                                                                  |    |    |    | 41                  | CA   |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-297-00176-00001    | 3          | 3    | air      | 0.30                            | 0.25 | 0.58 | 57 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00176-00002    |            |      |          | 0.30                            | 0.23 | 0.52 | 57 |                                                                    |    |    | S  |                     |      |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-297-00181-00001    | 3          | 3    | argon    | 0.26                            | 0.24 | 0.58 | 61 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00181-00002    |            |      |          | 0.26                            | 0.22 | 0.52 | 61 |                                                                    |    |    | SC | S                   |      |
| 3/4"            | SunDefense+ Low-E IG           | PEL-A-297-00201-00001    | 3          | 3    | argon    | 0.21                            | 0.24 | 0.56 | 48 | N                                                                  | NC |    |    | 28                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-297-00201-00002    |            |      |          | 0.21                            | 0.22 | 0.51 | 48 | N                                                                  | NC | SC | S  | 26                  | CA   |
| 3/4"            | Clear IG or Obscure/Clear IG   | PEL-A-297-00182-00001    | 5          | 5    | air      | 0.47                            | 0.67 | 0.72 | 44 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00191-00001    |            |      |          | 0.48                            | 0.60 | 0.65 | 44 |                                                                    |    |    |    |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-297-00184-00001    | 5          | 5    | air      | 0.32                            | 0.33 | 0.61 | 54 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00193-00001    |            |      |          | 0.33                            | 0.30 | 0.55 | 54 |                                                                    |    |    |    |                     |      |
| 3/4"            | Advanced Low-E IG              | PEL-A-297-00187-00001    | 5          | 5    | argon    | 0.27                            | 0.33 | 0.61 | 58 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00196-00001    |            |      |          | 0.28                            | 0.30 | 0.55 | 58 |                                                                    |    |    |    |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-297-00183-00001    | 5          | 5    | air      | 0.33                            | 0.55 | 0.69 | 54 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00192-00001    |            |      |          | 0.34                            | 0.50 | 0.62 | 54 |                                                                    |    |    |    |                     |      |
| 3/4"            | NaturalSun Low-E IG            | PEL-A-297-00186-00001    | 5          | 5    | argon    | 0.28                            | 0.55 | 0.69 | 57 |                                                                    |    |    |    | 37                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-297-00195-00001    |            |      |          | 0.29                            | 0.50 | 0.62 | 57 |                                                                    |    |    |    |                     |      |
| 3/4"            | NaturalSun+ Low-E IG           | PEL-A-297-00206-00001    | 5          | 5    | argon    | 0.24                            | 0.53 | 0.68 | 44 | N                                                                  |    |    |    | 41                  | CA   |
|                 | with Grilles-between-the-glass | PEL-A-297-00208-00001    |            |      |          | 0.25                            | 0.48 | 0.61 | 44 | N                                                                  |    |    |    | 37                  | CA   |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-297-00185-00001    | 5          | 5    | air      | 0.31                            | 0.25 | 0.57 | 55 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00194-00001    |            |      |          | 0.33                            | 0.23 | 0.51 | 55 |                                                                    |    |    |    |                     |      |
| 3/4"            | SunDefense™ Low-E IG           | PEL-A-297-00190-00001    | 5          | 5    | argon    | 0.26                            | 0.25 | 0.57 | 59 |                                                                    |    |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00199-00001    |            |      |          | 0.28                            | 0.23 | 0.51 | 59 |                                                                    |    |    | SC | S                   |      |
| 3/4"            | SunDefense+ Low-E IG           | PEL-A-297-00207-00001    | 5          | 5    | argon    | 0.23                            | 0.24 | 0.55 | 45 |                                                                    | NC |    |    |                     |      |
|                 | with Grilles-between-the-glass | PEL-A-297-00209-00001    |            |      |          | 0.24                            | 0.22 | 0.50 | 45 |                                                                    | NC | SC | S  |                     |      |

R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative. For more information, see the ENERGY STAR guidelines.





Grilles

Grille Profiles



5/8" Flat Grille

(West Region Only)

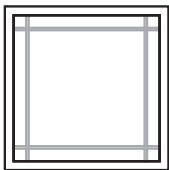


3/4" Contour Grille

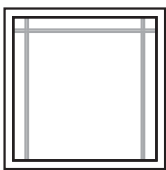
(East and West Region)

Grille Patterns

Prairie Lite Patterns



9-Lite Prairie

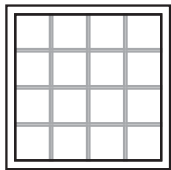


6-Lite Prairie

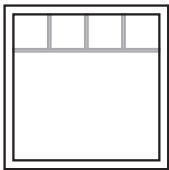
9-Lite Prairie

- Approximately 4" from edge of glass to center of bar.
- Minimum actual glass is 13".

Other Available Patterns



Traditional



Top Row

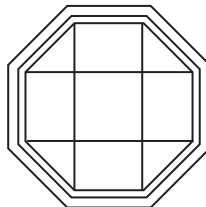
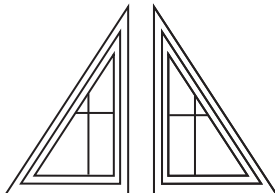
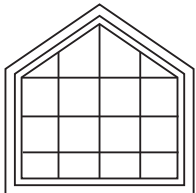
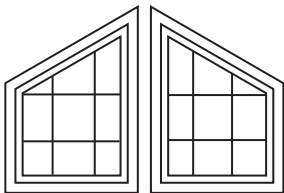
Traditional

- Specify number of lites—wide and high.
- Grilles must be equally divided on visible glass.
- Minimum 6" x 6" center-to-center.
- Also available in other window shapes.

Top Row

- Standard visible glass to separator bar must be  $\leq 1/2$  upper actual glass

Special Shapes — Traditional grilles only

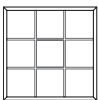
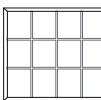
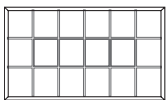
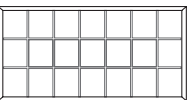
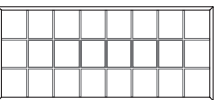
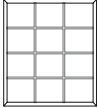
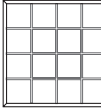
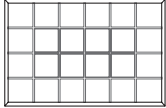
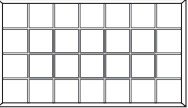
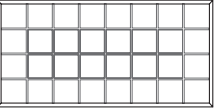
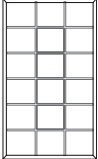
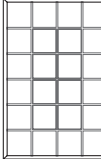
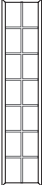
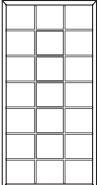
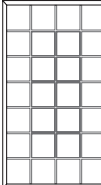
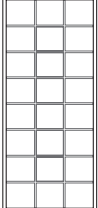
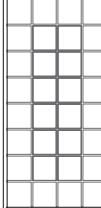
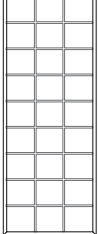
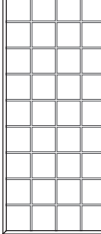


East and West Regions



Encompass by Pella® Fixed Frame Window

Standard Traditional Grille Breakpoints

|                     |        | Actual Frame Widths |                                                                                       |                                                                                     |                                                                                     |                                                                                     |                                                                                   |                                                                                    |                                                                                     |        |
|---------------------|--------|---------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
|                     |        | Lites               | 1-Wide                                                                                | 2-Wide                                                                              | 3-Wide                                                                              | 4-Wide                                                                              | 6-Wide                                                                            | 7-Wide                                                                             | 8-Wide                                                                              | 9-Wide |
| Actual Frame Widths | Lites  | <17-1/2"            | 17-1/2" to 27-1/2"                                                                    | 27-5/8" to 44-3/8"                                                                  | 44-1/2" to 65-3/8"                                                                  | 65-1/2" to 77-3/8"                                                                  | 77-1/2" to 89-3/8"                                                                | 89-1/2" to 101-3/8"                                                                | 101-1/2" to 108"                                                                    |        |
|                     | 1-High | <17-1/2"            |      |    |    |    |  |                                                                                    |                                                                                     |        |
|                     | 2-High | 17-1/2" to 27-3/8"  |      |    |    |    |  |  |  |        |
|                     | 3-High | 27-1/2" to 44-3/8"  |      |    |    |    |  |  |  |        |
|                     | 4-High | 44-1/2" to 65-3/8"  |      |    |    |    |  |  |  |        |
|                     | 6-High | 65-1/2" to 77-3/8"  |    |  |  |  |                                                                                   |                                                                                    |                                                                                     |        |
|                     | 7-High | 77-1/2" to 89-3/8"  |                                                                                       |  |  |  |                                                                                   |                                                                                    |                                                                                     |        |
|                     | 8-High | 89-1/2" to 101-3/8" |                                                                                       |  |  |  |                                                                                   |                                                                                    |                                                                                     |        |
|                     | 9-High | 101-1/2" to 108"    |                                                                                       |                                                                                     |  |  |                                                                                   |                                                                                    |                                                                                     |        |
|                     |        |                     |  |                                                                                     |                                                                                     |                                                                                     |                                                                                   |                                                                                    |                                                                                     |        |



East and West Regions

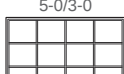
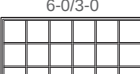
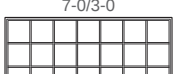
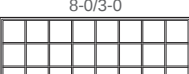
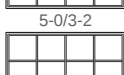
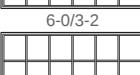
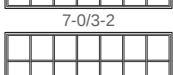
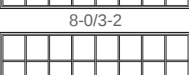
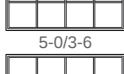
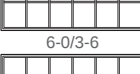
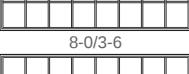
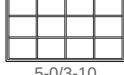
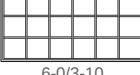
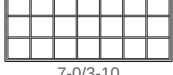
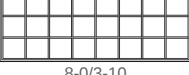
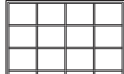
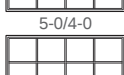
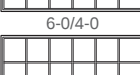
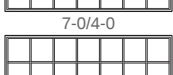
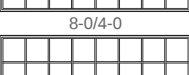
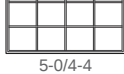
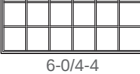
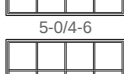
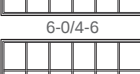
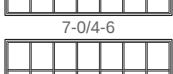
Actual grille spacing may be different than shown in drawings.



# Encompass by Pella® Fixed Frame Window

## Size Tables - 2-11/16" Frame, East Region

### Fixed Units

|                    |        | (914)<br>(902)                                                                                 | (1 219)<br>(1 207)                                                                             | (1 524)<br>(1 511)                                                                             | (1 829)<br>(1 816)                                                                             | (2 134)<br>(2 121)                                                                              | (2 438)<br>(2 426)                                                                               |
|--------------------|--------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Opening            |        | 3' 0"                                                                                          | 4' 0"                                                                                          | 5' 0"                                                                                          | 6' 0"                                                                                          | 7' 0"                                                                                           | 8' 0"                                                                                            |
| Frame              |        | 35 1/2"                                                                                        | 47 1/2"                                                                                        | 59 1/2"                                                                                        | 71 1/2"                                                                                        | 83 1/2"                                                                                         | 95 1/2"                                                                                          |
| (610)<br>(597)     | 2' 0"  | <br>3-0/2-0   | <br>4-0/2-0   | <br>5-0/2-0   | <br>6-0/2-0   | <br>7-0/2-0   | <br>8-0/2-0   |
| (914)<br>(902)     | 3' 0"  | <br>3-0/3-0   | <br>4-0/3-0   | <br>5-0/3-0   | <br>6-0/3-0   | <br>7-0/3-0   | <br>8-0/3-0   |
| (965)<br>(953)     | 3' 2"  | <br>3-0/3-2   | <br>4-0/3-2   | <br>5-0/3-2   | <br>6-0/3-2   | <br>7-0/3-2   | <br>8-0/3-2   |
| (1 067)<br>(1 054) | 3' 6"  | <br>3-0/3-6   | <br>4-0/3-6   | <br>5-0/3-6   | <br>6-0/3-6   | <br>7-0/3-6   | <br>8-0/3-6   |
| (1 160)<br>(1 156) | 3' 10" | <br>3-0/3-10  | <br>4-0/3-10  | <br>5-0/3-10  | <br>6-0/3-10  | <br>7-0/3-10  | <br>8-0/3-10  |
| (1 219)<br>(1 207) | 4' 0"  | <br>3-0/4-0   | <br>4-0/4-0   | <br>5-0/4-0   | <br>6-0/4-0   | <br>7-0/4-0   | <br>8-0/4-0   |
| (1 321)<br>(1 308) | 4' 4"  | <br>3-0/4-4  | <br>4-0/4-4  | <br>5-0/4-4  | <br>6-0/4-4  | <br>7-0/4-4  | <br>8-0/4-4  |
| (1 372)<br>(1 359) | 4' 6"  | <br>3-0/4-6 | <br>4-0/4-6 | <br>5-0/4-6 | <br>6-0/4-6 | <br>7-0/4-6 | <br>8-0/4-6 |
| (1 524)<br>(1 511) | 5' 0"  | <br>3-0/5-0 | <br>4-0/5-0 | <br>5-0/5-0 | <br>6-0/5-0 | <br>7-0/5-0 | <br>8-0/5-0 |
| (1 575)<br>(1 562) | 5' 2"  | <br>3-0/5-2 | <br>4-0/5-2 | <br>5-0/5-2 | <br>6-0/5-2 | <br>7-0/5-2 |                                                                                                  |
| (1 676)<br>(1 664) | 5' 6"  | <br>3-0/5-6 | <br>4-0/5-6 | <br>5-0/5-6 | <br>6-0/5-6 | <br>7-0/5-6 |                                                                                                  |
| (1 829)<br>(1 816) | 6' 0"  | <br>3-0/6-0 | <br>4-0/6-0 | <br>5-0/6-0 | <br>6-0/6-0 |                                                                                                 |                                                                                                  |



East Region Only



Encompass by Pella® Fixed Frame Window

Size Tables - 2-11/16" Flush Flange Frame, Florida Region Only

| Call Size  | 1       | H3      | 2       | 3       | D2      |
|------------|---------|---------|---------|---------|---------|
| Masonry    | 19 7/8" | 27 1/4" | 37 3/4" | 53 7/8" | 74 3/4" |
| Buck       | 18 3/8" | 25 3/4" | 36 1/4" | 52 3/8" | 73 1/4" |
| Frame      | 18 1/8" | 25 1/2" | 36"     | 52 1/8" | 73"     |
| Tip to Tip | 19 3/8" | 26 3/4" | 37 1/4" | 53 3/8" | 74 1/4" |

|   |         |         |         |         |                                                                                              |                                                                                               |                                                                                              |                                                                                              |                                                                                             |
|---|---------|---------|---------|---------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 2 | 26"     | 25 1/4" | 25"     | 26 1/4" | <br>FL-12   | <br>FL-H32   | <br>FL-22   | <br>FL-32   | <br>FL-D22 |
| 3 | 38 3/8" | 37 5/8" | 37 3/8" | 38 5/8" | <br>FL-13   | <br>FL-H33   | <br>FL-23   | <br>FL-33   | <br>FL-D23 |
| 4 | 50 5/8" | 49 7/8" | 49 5/8" | 50 7/8" | <br>FL-14   | <br>FL-H34   | <br>FL-24   | <br>FL-34   | <br>FL-D24 |
| 5 | 63"     | 62 1/4" | 62"     | 63 1/4" | <br>FL-15   | <br>FL-H35   | <br>FL-25   | <br>FL-35   |                                                                                             |
| 6 | 76"     | 75 1/4" | 75"     | 76 1/4" | <br>FL-16 | <br>FL-H36 | <br>FL-26 | <br>FL-36 |                                                                                             |



Florida Region Only

Not to scale.



## Encompass by Pella® Fixed Frame Window

### Size Tables - 2-11/16" Frame, West Region

#### Fixed Units

|                    |       | (914)<br>(902)                                                                                 | (1 219)<br>(1 207)                                                                             | (1 524)<br>(1 511)                                                                             | (1 829)<br>(1 816)                                                                             | (2 134)<br>(2 121)                                                                             | (2 438)<br>(2 426)                                                                            |
|--------------------|-------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Opening            |       | 3' 0"                                                                                          | 4' 0"                                                                                          | 5' 0"                                                                                          | 6' 0"                                                                                          | 7' 0"                                                                                          | 8' 0"                                                                                         |
| Frame              |       | 35 1/2"                                                                                        | 47 1/2"                                                                                        | 59 1/2"                                                                                        | 71 1/2"                                                                                        | 83 1/2"                                                                                        | 95 1/2"                                                                                       |
| (610)<br>(597)     | 2' 0" | <br>3-0/2-0   | <br>4-0/2-0   | <br>5-0/2-0   | <br>6-0/2-0   | <br>7-0/2-0   | <br>8-0/2-0  |
| (914)<br>(902)     | 3' 0" | <br>3-0/3-0   | <br>4-0/3-0   | <br>5-0/3-0   | <br>6-0/3-0   | <br>7-0/3-0   | <br>8-0/3-0  |
| (1 067)<br>(1 054) | 3' 6" | <br>3-0/3-6   | <br>4-0/3-6   | <br>5-0/3-6   | <br>6-0/3-6   | <br>7-0/3-6   | <br>8-0/3-6  |
| (1 219)<br>(1 207) | 4' 0" | <br>3-0/4-0   | <br>4-0/4-0   | <br>5-0/4-0   | <br>6-0/4-0   | <br>7-0/4-0   | <br>8-0/4-0  |
| (1 372)<br>(1 359) | 4' 6" | <br>3-0/4-6   | <br>4-0/4-6   | <br>5-0/4-6   | <br>6-0/4-6   | <br>7-0/4-6   | <br>8-0/4-6  |
| (1 524)<br>(1 511) | 5' 0" | <br>3-0/5-0  | <br>4-0/5-0  | <br>5-0/5-0  | <br>6-0/5-0  | <br>7-0/5-0  | <br>8-0/5-0 |
| (1 676)<br>(1 664) | 5' 6" | <br>3-0/5-6 | <br>4-0/5-6 | <br>5-0/5-6 | <br>6-0/5-6 | <br>7-0/5-6 |                                                                                               |
| (1 829)<br>(1 816) | 6' 0" | <br>3-0/6-0 | <br>4-0/6-0 | <br>5-0/6-0 | <br>6-0/6-0 |                                                                                                |                                                                                               |

Not to scale.



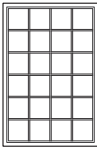
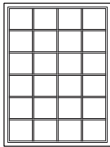
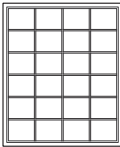
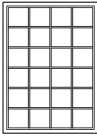
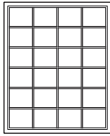
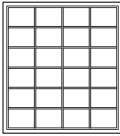
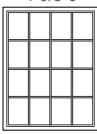
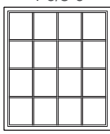
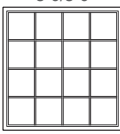
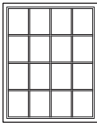
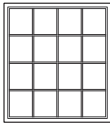
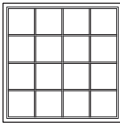
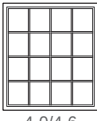
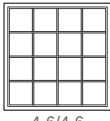
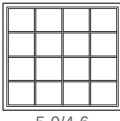
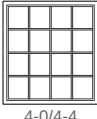
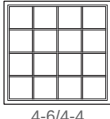
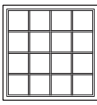
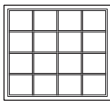
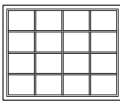
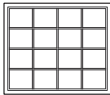
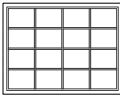
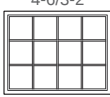
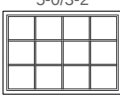
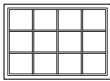
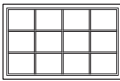
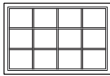
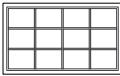
West Region Only



Encompass by Pella® Fixed Frame Window

Size Tables - 3-1/4" Replacement Frame, East Region

Fixed Units

|                    |        | (1 219)<br>(1 207)                                                                             | (1 372)<br>(1 359)                                                                             | (1 524)<br>(1 511)                                                                             |
|--------------------|--------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Opening            |        | 4' 0"                                                                                          | 4' 6"                                                                                          | 5' 0"                                                                                          |
| Frame              |        | 47 1/2"                                                                                        | 53 1/2"                                                                                        | 59 1/2"                                                                                        |
| (1 829)<br>(1 816) | 6' 0"  | <br>4-0/6-0 | <br>4-6/6-0 | <br>5-0/6-0 |
| (1 676)<br>(1 664) | 5' 6"  | <br>4-0/5-6 | <br>4-6/5-6 | <br>5-0/5-6 |
| (1 575)<br>(1 562) | 5' 2"  | <br>4-0/5-2 | <br>4-6/5-2 | <br>5-0/5-2 |
| (1 524)<br>(1 511) | 5' 0"  | <br>4-0/5-0 | <br>4-6/5-0 | <br>5-0/5-0 |
| (1 372)<br>(1 359) | 4' 6"  | <br>4-0/4-6 | <br>4-6/4-6 | <br>5-0/4-6 |
| (1 321)<br>(1 308) | 4' 4"  | <br>4-0/4-4  | <br>4-6/4-4  | <br>5-0/4-4  |
| (1 219)<br>(1 207) | 4' 0"  | <br>4-0/4-0   | <br>4-6/4-0   | <br>5-0/4-0   |
| (1 160)<br>(1 156) | 3' 10" | <br>4-0/3-10  | <br>4-6/3-10  | <br>5-0/3-10  |
| (1 067)<br>(1 054) | 3' 6"  | <br>4-0/3-6   | <br>4-6/3-6   | <br>5-0/3-6   |
| (965)<br>(953)     | 3' 2"  | <br>4-0/3-2   | <br>4-6/3-2   | <br>5-0/3-2   |
| (914)<br>(902)     | 3' 0"  | <br>4-0/3-0   | <br>4-6/3-0   | <br>5-0/3-0   |



East Region Only

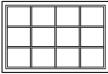
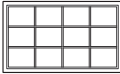
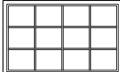
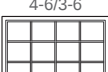
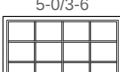
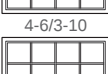
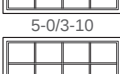
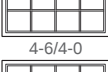
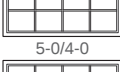
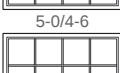
Not to scale.



Encompass by Pella® Fixed Frame Window

Size Tables - 3-1/4" New Construction Frame, East Region

Fixed Units

|                    |        | (1 219)<br>(1 207)                                                                             | (1 372)<br>(1 359)                                                                             | (1 524)<br>(1 511)                                                                             |
|--------------------|--------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Opening            |        | 4' 0"                                                                                          | 4' 6"                                                                                          | 5' 0"                                                                                          |
| Frame              |        | 47 1/2"                                                                                        | 53 1/2"                                                                                        | 59 1/2"                                                                                        |
| (914)<br>(902)     | 3' 0"  | <br>4-0/3-0   | <br>4-6/3-0   | <br>5-0/3-0   |
| (965)<br>(953)     | 3' 2"  | <br>4-0/3-2   | <br>4-6/3-2   | <br>5-0/3-2   |
| (1 067)<br>(1 054) | 3' 6"  | <br>4-0/3-6   | <br>4-6/3-6   | <br>5-0/3-6   |
| (1 160)<br>(1 156) | 3' 10" | <br>4-0/3-10  | <br>4-6/3-10  | <br>5-0/3-10  |
| (1 219)<br>(1 207) | 4' 0"  | <br>4-0/4-0   | <br>4-6/4-0   | <br>5-0/4-0   |
| (1 321)<br>(1 308) | 4' 4"  | <br>4-0/4-4  | <br>4-6/4-4  | <br>5-0/4-4  |
| (1 372)<br>(1 359) | 4' 6"  | <br>4-0/4-6 | <br>4-6/4-6 | <br>5-0/4-6 |
| (1 524)<br>(1 511) | 5' 0"  | <br>4-0/5-0 | <br>4-6/5-0 | <br>5-0/5-0 |
| (1 575)<br>(1 562) | 5' 2"  | <br>4-0/5-2 | <br>4-6/5-2 | <br>5-0/5-2 |
| (1 676)<br>(1 664) | 5' 6"  | <br>4-0/5-6 | <br>4-6/5-6 | <br>5-0/5-6 |
| (1 829)<br>(1 816) | 6' 0"  | <br>4-0/6-0 | <br>4-6/6-0 | <br>5-0/6-0 |



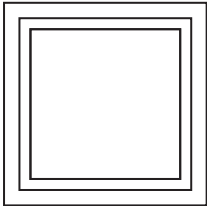
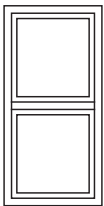
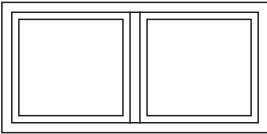
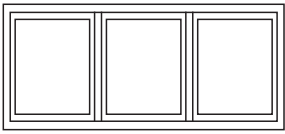
East Region Only

Not to scale.



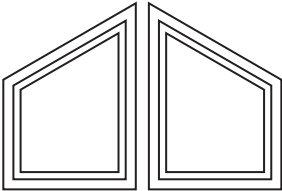
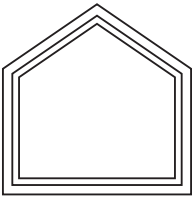
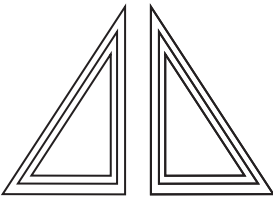
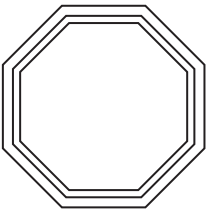
## Encompass by Pella® Fixed Frame Window

### Special Sizes and Shape Frame Dimensions

| Rectangle                                                                                                                                                          | 2-High <sub>2</sub>                                                                                                                           | 2-Wide <sub>2</sub>                                                                                                                           | 3-Wide <sub>2</sub>                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   |                                                              |                                                             |                                                        |
| <b>MINIMUM</b><br>9" W x 9" H<br>(229 x 229)<br><b>MAXIMUM<sub>1</sub></b><br>108" W or 108" H or 40 ft <sup>2</sup><br>(2 743) or (2 743)<br>In any one direction | <b>MINIMUM</b><br>9" W x 18-1/2" H<br>(229 x 470)<br><b>MAXIMUM<sub>1</sub></b><br>48" W x 108" H or 40 ft <sup>2</sup><br>(1 219) or (2 743) | <b>MINIMUM</b><br>18-1/2" W x 9" H<br>(470 x 229)<br><b>MAXIMUM<sub>1</sub></b><br>108" W x 48" H or 40 ft <sup>2</sup><br>(2 743) or (1 219) | <b>MINIMUM</b><br>28" W x 9" H<br>(711 x 229)<br><b>MAXIMUM<sub>1</sub></b><br>108" W x 48" H or 40 ft <sup>2</sup><br>(2 743) or (1 219) |

#### Special Size Notes:

- Both width and height cannot be > than 73-1/2"
- Maximum Square Foot = 40 Ft<sup>2</sup>
- If long side is ≤ 95-1/2", width and height ratio ≤ 8:1
- If long side is > 95-1/2", width and height ratio < 5:1
- Maximum frame width with 9-Lite Prairie grille = 72"
- If glass width/height ratio is > 5:1, then glass must be tempered
- To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.

| Left & Right Gable                                                                                                                                | House Top                                                                                                                                         | Left & Right 90° Triangle                                                                                                                         | Octagon                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|                                                                |                                                                |                                                               |                                 |
| <b>MINIMUM</b><br>14-1/2" W x 14-1/2" H<br>(368 x 368)<br><b>MAXIMUM<sub>1</sub></b><br>40 ft <sup>2</sup> w/ 108"(2 743)<br>in any one direction | <b>MINIMUM</b><br>23-1/2" W x 14-1/2" H<br>(597 x 368)<br><b>MAXIMUM<sub>1</sub></b><br>40 ft <sup>2</sup> w/ 108"(2 743)<br>in any one direction | <b>MINIMUM</b><br>23-1/2" W x 11-1/2" H<br>(597 x 292)<br><b>MAXIMUM<sub>1</sub></b><br>40 ft <sup>2</sup> w/ 108"(2 743)<br>in any one direction | <b>MINIMUM</b><br>17-1/2" W x 17-1/2" H<br>(445 x 445)<br><b>MAXIMUM</b><br>73-1/2" W x 73-1/2" H<br>(1 867 x 1 867) |

#### Custom Shapes Notes:

- Both width and height cannot be > than 73-1/2"
- Maximum Square Foot = 40 ft<sup>2</sup>
- If long side is ≤ 95-1/2", width and height ratio ≤ 8:1
- If long side is > 95-1/2", width and height ratio < 5:1
- Minimum overall width plus overall height is 29"
- Maximum frame width with 9-Lite Prairie grille = 72"
- Minimum leg length is 5-1/2"
- Minimum corner angle is 40°
- If glass width/height ratio is > 5:1, then glass must be tempered
- To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

(1) Maximum frame limit for 1/2" Flange Frame is 95-1/2" in any one direction.

(2) Composite units are not AAMA/WDMA performance certified.





# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units to Match Single-Hung and Sliding Window

| Fixed 2-11/16" Frame - East Region |                |        |                   |                               |          |                            |
|------------------------------------|----------------|--------|-------------------|-------------------------------|----------|----------------------------|
| Call Out                           | Frame (Inches) |        | Visible Glass Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade¹ |
|                                    | Width          | Height |                   | Annealed                      | Tempered |                            |
| 3-0/2-0                            | 35-1/2         | 23-1/2 | 4.6               | 3                             | 3        | R50                        |
| 3-0/3-0                            | 35-1/2         | 35-1/2 | 7.3               | 3                             | 3        | R50                        |
| 3-0/3-2                            | 35-1/2         | 37-1/2 | 7.8               | 3                             | 3        | R50                        |
| 3-0/3-6                            | 35-1/2         | 41-1/2 | 8.7               | 3                             | 3        | R50                        |
| 3-0/3-10                           | 35-1/2         | 45-1/2 | 9.6               | 3                             | 3        | R50                        |
| 3-0/4-0                            | 35-1/2         | 47-1/2 | 10.0              | 3                             | 3        | R50                        |
| 3-0/4-4                            | 35-1/2         | 51-1/2 | 10.9              | 3                             | 3        | R50                        |
| 3-0/4-6                            | 35-1/2         | 53-1/2 | 12.8              | 3                             | 3        | R50                        |
| 3-0/5-0                            | 35-1/2         | 59-1/2 | 13.2              | 3                             | 3        | R50                        |
| 3-0/5-2                            | 35-1/2         | 61-1/2 | 14.1              | 3                             | 3        | R25                        |
| 3-0/5-6                            | 35-1/2         | 65-1/2 | 15.5              | 3                             | 3        | R25                        |
| 3-0/6-0                            | 35-1/2         | 71-1/2 | 6.3               | 3                             | 3        | R25                        |
| 4-0/2-0                            | 47-1/2         | 23-1/2 | 10.0              | 3                             | 3        | R50                        |
| 4-0/3-0                            | 47-1/2         | 35-1/2 | 10.7              | 3                             | 3        | R50                        |
| 4-0/3-2                            | 47-1/2         | 37-1/2 | 11.9              | 3                             | 3        | R50                        |
| 4-0/3-6                            | 47-1/2         | 41-1/2 | 13.1              | 3                             | 3        | R50                        |
| 4-0/3-10                           | 47-1/2         | 45-1/2 | 13.8              | 3                             | 3        | R50                        |
| 4-0/4-0                            | 47-1/2         | 47-1/2 | 15.0              | 3                             | 3        | R50                        |
| 4-0/4-4                            | 47-1/2         | 51-1/2 | 15.6              | 3                             | 3        | R50                        |
| 4-0/4-6                            | 47-1/2         | 53-1/2 | 17.5              | 3                             | 3        | R50                        |
| 4-0/5-0                            | 47-1/2         | 59-1/2 | 18.1              | 3                             | 3        | R50                        |
| 4-0/5-2                            | 47-1/2         | 61-1/2 | 19.3              | 3                             | 3        | R25                        |
| 5-0/5-6                            | 59-1/2         | 65-1/2 | 24.5              | 5                             | 5        | R25                        |
| 5-0/6-0                            | 59-1/2         | 71-1/2 | 26.9              | 5                             | 5        | R25                        |

| Fixed 2-11/16" Frame - East Region |                |        |                   |                               |          |                            |
|------------------------------------|----------------|--------|-------------------|-------------------------------|----------|----------------------------|
| Call Out                           | Frame (Inches) |        | Visible Glass Ft² | Standard Glass Thickness (mm) |          | Performance Class & Grade¹ |
|                                    | Width          | Height |                   | Annealed                      | Tempered |                            |
| 6-0/2-0                            | 71-1/2         | 23-1/2 | 9.8               | 3                             | 3        | R25                        |
| 6-0/3-0                            | 71-1/2         | 35-1/2 | 15.5              | 3                             | 3        | R25                        |
| 6-0/3-2                            | 71-1/2         | 37-1/2 | 16.4              | 3                             | 3        | R25                        |
| 6-0/3-6                            | 71-1/2         | 41-1/2 | 18.3              | 3                             | 3        | R25                        |
| 6-0/3-10                           | 71-1/2         | 45-1/2 | 20.2              | 3                             | 3        | R25                        |
| 6-0/4-0                            | 71-1/2         | 47-1/2 | 21.2              | 3                             | 3        | R25                        |
| 6-0/4-4                            | 71-1/2         | 51-1/2 | 23.1              | 5                             | 5        | R25                        |
| 6-0/4-6                            | 71-1/2         | 53-1/2 | 24.0              | 5                             | 5        | R25                        |
| 6-0/5-0                            | 71-1/2         | 59-1/2 | 26.9              | 5                             | 5        | R25                        |
| 6-0/5-2                            | 71-1/2         | 61-1/2 | 27.8              | 5                             | 5        | R25                        |
| 6-0/5-6                            | 71-1/2         | 65-1/2 | 29.7              | 5                             | 5        | R25                        |
| 6-0/6-0                            | 71-1/2         | 71-1/2 | 32.6              | 5                             | 5        | R25                        |
| 7-0/2-0                            | 83-1/2         | 23-1/2 | 11.5              | 3                             | 3        | R25                        |
| 7-0/3-0                            | 83-1/2         | 35-1/2 | 18.2              | 3                             | 3        | R25                        |
| 7-0/3-2                            | 83-1/2         | 37-1/2 | 19.3              | 3                             | 3        | R25                        |
| 7-0/3-6                            | 83-1/2         | 41-1/2 | 21.5              | 3                             | 3        | R25                        |
| 7-0/3-10                           | 83-1/2         | 45-1/2 | 23.8              | 5                             | 5        | R25                        |
| 7-0/4-0                            | 83-1/2         | 47-1/2 | 24.9              | 5                             | 5        | R25                        |
| 7-0/4-4                            | 83-1/2         | 51-1/2 | 27.1              | 5                             | 5        | R25                        |
| 7-0/4-6                            | 83-1/2         | 53-1/2 | 28.2              | 5                             | 5        | R25                        |
| 7-0/5-0                            | 83-1/2         | 59-1/2 | 31.6              | 5                             | 5        | R25                        |
| 7-0/5-2                            | 83-1/2         | 61-1/2 | 32.7              | 5                             | 5        | R25                        |
| 7-0/5-6                            | 83-1/2         | 65-1/2 | 34.9              | 5                             | 5        | R25                        |
| 8-0/2-0                            | 95-1/2         | 71-1/2 | 13.2              | 3                             | 3        | R25                        |
| 8-0/3-0                            | 95-1/2         | 23-1/2 | 20.9              | 5                             | 5        | R25                        |
| 8-0/3-2                            | 95-1/2         | 35-1/2 | 22.2              | 5                             | 5        | R25                        |
| 8-0/3-6                            | 95-1/2         | 37-1/2 | 24.7              | 5                             | 5        | R25                        |
| 8-0/3-10                           | 95-1/2         | 41-1/2 | 27.3              | 5                             | 5        | R25                        |
| 8-0/4-0                            | 95-1/2         | 45-1/2 | 28.6              | 5                             | 5        | R25                        |
| 8-0/4-4                            | 95-1/2         | 47-1/2 | 31.2              | 5                             | 5        | R25                        |
| 8-0/4-6                            | 95-1/2         | 51-1/2 | 32.4              | 5                             | 5        | R25                        |
| 8-0/5-0                            | 95-1/2         | 53-1/2 | 36.3              | 5                             | 5        | R25                        |

### Miscellaneous Formulas

| Fixed Units   |               |  |
|---------------|---------------|--|
| Visible Glass | VGW = FW - 3" |  |
|               | VGH = FH - 3" |  |
| Actual Glass  | AGW = FW - 2" |  |
|               | AGH = FH - 2" |  |

KEY:  
 AGW = Actual Glass Width  
 AGH = Actual Glass Height  
 FW = Frame Width  
 FH = Frame Height  
 VGW = Visible Glass Width  
 VGH = Visible Glass Height

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

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



East Region Only



# Encompass by Pella® Fixed Frame Window

## Design Data

### 2-11/16" Flush Flange Frame - Florida Region Only

| Call Out | Frame (Inches) |        | Visible Glass Ft <sup>2</sup> | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |
|----------|----------------|--------|-------------------------------|-------------------------------|----------|----------------------------------------|
|          | Width          | Height |                               | Annealed                      | Tempered |                                        |
| FL-12    | 18-1/8         | 25     | 2.3                           | 3                             | 3        | R50                                    |
| FL-13    | 18-1/8         | 37-3/8 | 3.6                           | 3                             | 3        | R50                                    |
| FL-14    | 18-1/8         | 49-5/8 | 4.9                           | 3                             | 3        | R50                                    |
| FL-15    | 18-1/8         | 62     | 6.2                           | 3                             | 3        | R25                                    |
| FL-16    | 18-1/8         | 75     | 7.6                           | 3                             | 3        | R25                                    |
| FL-H32   | 25-1/2         | 25     | 3.4                           | 3                             | 3        | R50                                    |
| FL-H33   | 25-1/2         | 37-3/8 | 5.4                           | 3                             | 3        | R50                                    |
| FL-H34   | 25-1/2         | 49-5/8 | 7.3                           | 3                             | 3        | R50                                    |
| FL-H35   | 25-1/2         | 62     | 9.2                           | 3                             | 3        | R25                                    |
| FL-H36   | 25-1/2         | 75     | 11.3                          | 3                             | 3        | R25                                    |
| FL-22    | 36             | 25     | 5.0                           | 3                             | 3        | R50                                    |
| FL-23    | 36             | 37-3/8 | 7.9                           | 3                             | 3        | R50                                    |
| FL-24    | 36             | 49-5/8 | 10.7                          | 3                             | 3        | R50                                    |
| FL-32    | 52-1/8         | 25     | 7.5                           | 3                             | 3        | R50                                    |
| FL-33    | 52-1/8         | 37-3/8 | 11.7                          | 3                             | 3        | R50                                    |
| FL-34    | 52-1/8         | 49-5/8 | 15.9                          | 3                             | 3        | R50                                    |
| FL-35    | 52-1/8         | 62     | 20.1                          | 3                             | 3        | R25                                    |
| FL-36    | 52-1/8         | 75     | 24.6                          | 3                             | 3        | R25                                    |
| FL-D22   | 73             | 25     | 10.7                          | 3                             | 3        | R25                                    |
| FL-D23   | 73             | 37-3/8 | 16.7                          | 3                             | 3        | R25                                    |
| FL-D24   | 73             | 49-5/8 | 22.7                          | 3                             | 3        | R25                                    |

### Miscellaneous Formulas

|               | Fixed Units                        |
|---------------|------------------------------------|
| Visible Glass | $VGW = FW - 3"$<br>$VGH = FH - 3"$ |
| Actual Glass  | $AGW = FW - 2"$<br>$AGH = FH - 2"$ |

#### KEY:

AGW = Actual Glass Width  
 AGH = Actual Glass Height  
 FW = Frame Width  
 FH = Frame Height  
 VGW = Visible Glass Width  
 VGH = Visible Glass Height

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

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

To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929



Florida Region Only



# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units for Sliding and Single-Hung Windows

#### Fixed 2-11/16" Frame - West Region

| Call Out | Frame (Inches) |        | Visible Glass Ft <sup>2</sup> | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |
|----------|----------------|--------|-------------------------------|-------------------------------|----------|----------------------------------------|
|          | Width          | Height |                               | Annealed                      | Tempered |                                        |
| 3-0/2-0  | 35-1/2         | 23-1/2 | 4.6                           | 3                             | 3        | R30                                    |
| 3-0/3-0  | 35-1/2         | 35-1/2 | 7.3                           | 3                             | 3        | R30                                    |
| 3-0/3-6  | 35-1/2         | 41-1/2 | 8.7                           | 3                             | 3        | R30                                    |
| 3-0/4-0  | 35-1/2         | 47-1/2 | 10.0                          | 3                             | 3        | R30                                    |
| 3-0/4-6  | 35-1/2         | 53-1/2 | 11.4                          | 3                             | 3        | R30                                    |
| 3-0/5-0  | 35-1/2         | 59-1/2 | 12.8                          | 3                             | 3        | R30                                    |
| 3-0/5-6  | 35-1/2         | 65-1/2 | 14.1                          | 3                             | 3        | R30                                    |
| 3-0/6-0  | 35-1/2         | 71-1/2 | 15.5                          | 3                             | 3        | R30                                    |
| 4-0/2-0  | 47-1/2         | 23-1/2 | 6.3                           | 3                             | 3        | R30                                    |
| 4-0/3-0  | 47-1/2         | 35-1/2 | 10.0                          | 3                             | 3        | R30                                    |
| 4-0/3-6  | 47-1/2         | 41-1/2 | 11.9                          | 3                             | 3        | R30                                    |
| 4-0/4-0  | 47-1/2         | 47-1/2 | 13.8                          | 3                             | 3        | R30                                    |
| 4-0/4-6  | 47-1/2         | 53-1/2 | 15.6                          | 3                             | 3        | R30                                    |
| 4-0/5-0  | 47-1/2         | 59-1/2 | 17.5                          | 3                             | 3        | R30                                    |
| 4-0/5-6  | 47-1/2         | 65-1/2 | 19.3                          | 3                             | 3        | R30                                    |
| 4-0/6-0  | 47-1/2         | 71-1/2 | 21.2                          | 3                             | 3        | R30                                    |
| 5-0/2-0  | 59-1/2         | 23-1/2 | 8.0                           | 3                             | 3        | R30                                    |
| 5-0/3-0  | 59-1/2         | 35-1/2 | 12.8                          | 3                             | 3        | R30                                    |
| 5-0/3-6  | 59-1/2         | 41-1/2 | 15.1                          | 3                             | 3        | R30                                    |
| 5-0/4-0  | 59-1/2         | 47-1/2 | 17.5                          | 3                             | 3        | R30                                    |
| 5-0/4-6  | 59-1/2         | 53-1/2 | 19.8                          | 3                             | 3        | R30                                    |
| 5-0/5-0  | 59-1/2         | 59-1/2 | 22.2                          | 5                             | 5        | R30                                    |
| 5-0/5-6  | 59-1/2         | 65-1/2 | 24.5                          | 5                             | 5        | R30                                    |
| 5-0/6-0  | 59-1/2         | 71-1/2 | 26.9                          | 5                             | 5        | R30                                    |
| 6-0/2-0  | 71-1/2         | 23-1/2 | 9.8                           | 3                             | 3        | R30                                    |
| 6-0/3-0  | 71-1/2         | 35-1/2 | 15.5                          | 3                             | 3        | R30                                    |
| 6-0/3-6  | 71-1/2         | 41-1/2 | 18.3                          | 3                             | 3        | R30                                    |
| 6-0/4-0  | 71-1/2         | 47-1/2 | 21.2                          | 3                             | 3        | R30                                    |
| 6-0/4-6  | 71-1/2         | 53-1/2 | 24.0                          | 5                             | 5        | R30                                    |
| 6-0/5-0  | 71-1/2         | 59-1/2 | 26.9                          | 5                             | 5        | R30                                    |
| 6-0/5-6  | 71-1/2         | 65-1/2 | 29.7                          | 5                             | 5        | R30                                    |
| 6-0/6-0  | 71-1/2         | 71-1/2 | 32.6                          | 5                             | 5        | R30                                    |
| 7-0/2-0  | 83-1/2         | 23-1/2 | 11.5                          | 3                             | 3        | R25                                    |
| 7-0/3-0  | 83-1/2         | 35-1/2 | 18.2                          | 3                             | 3        | R25                                    |
| 7-0/3-6  | 83-1/2         | 41-1/2 | 21.5                          | 5                             | 5        | R25                                    |
| 7-0/4-0  | 83-1/2         | 47-1/2 | 24.9                          | 5                             | 5        | R25                                    |
| 7-0/4-6  | 83-1/2         | 53-1/2 | 28.2                          | 5                             | 5        | R25                                    |
| 7-0/5-0  | 83-1/2         | 59-1/2 | 31.6                          | 5                             | 5        | R25                                    |
| 7-0/5-6  | 83-1/2         | 65-1/2 | 34.9                          | 5                             | 5        | R25                                    |
| 8-0/2-0  | 95-1/2         | 23-1/2 | 13.2                          | 3                             | 3        | R25                                    |
| 8-0/3-0  | 95-1/2         | 35-1/2 | 20.9                          | 5                             | 5        | R25                                    |
| 8-0/3-6  | 95-1/2         | 41-1/2 | 24.7                          | 5                             | 5        | R25                                    |
| 8-0/4-0  | 95-1/2         | 47-1/2 | 28.6                          | 5                             | 5        | R25                                    |
| 8-0/5-0  | 95-1/2         | 53-1/2 | 32.4                          | 5                             | 5        | R25                                    |

### Miscellaneous Formulas

| Fixed Units   |                                |
|---------------|--------------------------------|
| Visible Glass | VGW = FW – 3"<br>VGH = FH – 3" |
| Actual Glass  | AGW = FW – 2"<br>AGH = FH – 2" |

#### KEY:

AGW = Actual Glass Width  
AGH = Actual Glass Height  
FW = Frame Width  
FH = Frame Height  
VGW = Visible Glass Width  
VGH = Visible Glass Height

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.



West Region Only

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

To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929



# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units to Match Double-Hung

#### Fixed 3-1/4" Replacement Frame - East Region

| Call Out | Frame (Inches) |        | Visible Glass Ft <sup>2</sup> | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>1</sup> |
|----------|----------------|--------|-------------------------------|-------------------------------|----------|----------------------------------------|
|          | Width          | Height |                               | Annealed                      | Tempered |                                        |
| 4-0/3-0  | 47-1/2         | 35-1/2 | 8.9                           | 3                             | 3        | R45                                    |
| 4-0/3-2  | 47-1/2         | 37-1/2 | 9.5                           | 3                             | 3        | R45                                    |
| 4-0/3-6  | 47-1/2         | 41-1/2 | 10.7                          | 3                             | 3        | R45                                    |
| 4-0/3-10 | 47-1/2         | 45-1/2 | 11.9                          | 3                             | 3        | R45                                    |
| 4-0/4-0  | 47-1/2         | 47-1/2 | 12.5                          | 3                             | 3        | R45                                    |
| 4-0/4-4  | 47-1/2         | 51-1/2 | 13.6                          | 3                             | 3        | R45                                    |
| 4-0/4-6  | 47-1/2         | 53-1/2 | 14.2                          | 3                             | 3        | R45                                    |
| 4-0/5-0  | 47-1/2         | 59-1/2 | 16.0                          | 3                             | 3        | R45                                    |
| 4-0/5-2  | 47-1/2         | 61-1/2 | 16.6                          | 3                             | 3        | R45                                    |
| 4-0/5-6  | 47-1/2         | 65-1/2 | 17.8                          | 3                             | 3        | R45                                    |
| 4-0/6-0  | 47-1/2         | 71-1/2 | 19.5                          | 3                             | 3        | R45                                    |
| 4-6/3-0  | 53-1/2         | 35-1/2 | 10.2                          | 3                             | 3        | R45                                    |
| 4-6/3-2  | 53-1/2         | 37-1/2 | 10.9                          | 3                             | 3        | R45                                    |
| 4-6/3-6  | 53-1/2         | 41-1/2 | 12.2                          | 3                             | 3        | R45                                    |
| 4-6/3-10 | 53-1/2         | 45-1/2 | 13.6                          | 3                             | 3        | R45                                    |
| 4-6/4-0  | 53-1/2         | 47-1/2 | 14.2                          | 3                             | 3        | R45                                    |
| 4-6/4-4  | 53-1/2         | 51-1/2 | 15.6                          | 3                             | 3        | R45                                    |
| 4-6/4-6  | 53-1/2         | 53-1/2 | 16.3                          | 3                             | 3        | R45                                    |
| 4-6/5-0  | 53-1/2         | 59-1/2 | 18.3                          | 3                             | 3        | R45                                    |
| 4-6/5-2  | 53-1/2         | 61-1/2 | 18.9                          | 3                             | 3        | R45                                    |
| 4-6/5-6  | 53-1/2         | 65-1/2 | 20.3                          | 3                             | 3        | R45                                    |
| 4-6/6-0  | 53-1/2         | 71-1/2 | 22.3                          | 5                             | 5        | R45                                    |
| 5-0/3-0  | 59-1/2         | 35-1/2 | 11.5                          | 3                             | 3        | R45                                    |
| 5-0/3-2  | 59-1/2         | 37-1/2 | 12.2                          | 3                             | 3        | R45                                    |
| 5-0/3-6  | 59-1/2         | 41-1/2 | 13.7                          | 3                             | 3        | R45                                    |
| 5-0/3-10 | 59-1/2         | 45-1/2 | 15.2                          | 3                             | 3        | R45                                    |
| 5-0/4-0  | 59-1/2         | 47-1/2 | 16.0                          | 3                             | 3        | R45                                    |
| 5-0/4-4  | 59-1/2         | 51-1/2 | 17.5                          | 3                             | 3        | R45                                    |
| 5-0/4-6  | 59-1/2         | 53-1/2 | 18.3                          | 3                             | 3        | R45                                    |
| 5-0/5-0  | 59-1/2         | 59-1/2 | 20.5                          | 3                             | 3        | R45                                    |
| 5-0/5-2  | 59-1/2         | 61-1/2 | 21.3                          | 3                             | 3        | R45                                    |
| 5-0/5-6  | 59-1/2         | 65-1/2 | 22.8                          | 5                             | 5        | R45                                    |
| 5-0/6-0  | 59-1/2         | 71-1/2 | 25.1                          | 5                             | 5        | R45                                    |

### Miscellaneous Formulas

| Fixed Units   |               |
|---------------|---------------|
| Visible Glass | VGW = FW – 3" |
|               | VGH = FH – 3" |
| Actual Glass  | AGW = FW – 2" |
|               | AGH = FH – 2" |

#### KEY:

AGW = Actual Glass Width  
 AGH = Actual Glass Height  
 FW = Frame Width  
 FH = Frame Height  
 VGW = Visible Glass Width  
 VGH = Visible Glass Height

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

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

To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.



East Region Only



# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units to Match Double-Hung

#### Fixed 3-1/4" New Construction Frame - East Region

| Call Out | Frame (Inches) |        | Visible Glass Ft <sup>2</sup> | Standard Glass Thickness (mm) |          | Performance Class & Grade <sup>(1)</sup> |
|----------|----------------|--------|-------------------------------|-------------------------------|----------|------------------------------------------|
|          | Width          | Height |                               | Annealed                      | Tempered |                                          |
| 4-0/3-0  | 47-1/2         | 35-1/2 | 8.9                           | 2.5                           | 3        | R35                                      |
| 4-0/3-2  | 47-1/2         | 37-1/2 | 9.5                           | 2.5                           | 3        | R35                                      |
| 4-0/3-6  | 47-1/2         | 41-1/2 | 10.7                          | 2.5                           | 3        | R35                                      |
| 4-0/3-10 | 47-1/2         | 45-1/2 | 11.9                          | 2.5                           | 3        | R35                                      |
| 4-0/4-0  | 47-1/2         | 47-1/2 | 12.5                          | 3                             | 3        | R35                                      |
| 4-0/4-4  | 47-1/2         | 51-1/2 | 13.6                          | 3                             | 3        | R35                                      |
| 4-0/4-6  | 47-1/2         | 53-1/2 | 14.2                          | 3                             | 3        | R35                                      |
| 4-0/5-0  | 47-1/2         | 59-1/2 | 16.0                          | 3                             | 3        | R35                                      |
| 4-0/5-2  | 47-1/2         | 61-1/2 | 16.6                          | 3                             | 3        | R35                                      |
| 4-0/5-6  | 47-1/2         | 65-1/2 | 17.8                          | 3                             | 3        | R35                                      |
| 4-0/6-0  | 47-1/2         | 71-1/2 | 19.5                          | 3                             | 3        | R35                                      |
| 4-6/3-0  | 53-1/2         | 35-1/2 | 10.2                          | 2.5                           | 3        | R35                                      |
| 4-6/3-2  | 53-1/2         | 37-1/2 | 10.9                          | 2.5                           | 3        | R35                                      |
| 4-6/3-6  | 53-1/2         | 41-1/2 | 12.2                          | 3                             | 3        | R35                                      |
| 4-6/3-10 | 53-1/2         | 45-1/2 | 13.6                          | 3                             | 3        | R35                                      |
| 4-6/4-0  | 53-1/2         | 47-1/2 | 14.2                          | 3                             | 3        | R35                                      |
| 4-6/4-4  | 53-1/2         | 51-1/2 | 15.6                          | 3                             | 3        | R35                                      |
| 4-6/4-6  | 53-1/2         | 53-1/2 | 16.3                          | 3                             | 3        | R35                                      |
| 4-6/5-0  | 53-1/2         | 59-1/2 | 18.3                          | 3                             | 3        | R35                                      |
| 4-6/5-2  | 53-1/2         | 61-1/2 | 18.9                          | 3                             | 3        | R35                                      |
| 4-6/5-6  | 53-1/2         | 65-1/2 | 20.3                          | 3                             | 3        | R35                                      |
| 4-6/6-0  | 53-1/2         | 71-1/2 | 22.3                          | 5                             | 5        | R35                                      |
| 5-0/3-0  | 59-1/2         | 35-1/2 | 11.5                          | 2.5                           | 3        | R35                                      |
| 5-0/3-2  | 59-1/2         | 37-1/2 | 12.2                          | 3                             | 3        | R35                                      |
| 5-0/3-6  | 59-1/2         | 41-1/2 | 13.7                          | 3                             | 3        | R35                                      |
| 5-0/3-10 | 59-1/2         | 45-1/2 | 15.2                          | 3                             | 3        | R35                                      |
| 5-0/4-0  | 59-1/2         | 47-1/2 | 16.0                          | 3                             | 3        | R35                                      |
| 5-0/4-4  | 59-1/2         | 51-1/2 | 17.5                          | 3                             | 3        | R35                                      |
| 5-0/4-6  | 59-1/2         | 53-1/2 | 18.3                          | 3                             | 3        | R35                                      |
| 5-0/5-0  | 59-1/2         | 59-1/2 | 20.5                          | 3                             | 3        | R35                                      |
| 5-0/5-2  | 59-1/2         | 61-1/2 | 21.3                          | 3                             | 3        | R35                                      |
| 5-0/5-6  | 59-1/2         | 65-1/2 | 22.8                          | 5                             | 5        | R35                                      |
| 5-0/6-0  | 59-1/2         | 71-1/2 | 25.1                          | 5                             | 5        | R35                                      |

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(1) Maximum performance when glazed with the appropriate glass thickness.  
To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.



East Region Only



# Encompass by Pella® Fixed Frame Window

## Detailed Product Description

### East Region

#### Frame

- Overall frame depth is [3-1/4" new construction frame with integral fin] [2-11/16" [new construction frame [with integral nailing fin] [with integral nailing fin and J-channel]] [2-11/16" replacement frame] [with integral flush flange (Florida region only)]] [3-1/4" replacement frame].
- Frame members are extruded, rigid uPVC.
- Frame members are mitered and heat-fused to provide a fully welded corner assembly.

#### Glazing System

- Quality float glass complying with ASTM C1036
- Exterior face glazed 3/4" sealed insulating glass.
- [Clear] [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] Low-E [with argon]] [Standard Obscure<sup>(1)</sup>] [Tempered].

#### Interior / Exterior

- All window frame members are an integral color extruded throughout the profiles.
- All exposed PVC surfaces are smooth, glossy and uniform in appearance.
- East Region Finish color [White] [Almond] [Fossil] (all frame types).

#### Optional Products

- Grilles-Between-the-Glass
  - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
  - Grilles match color of frame.
- Factory applied primed wood jamb extension for [4-9/16"] [6-9/16"] wall depth available on fin frames.



East Region Only

### West Region

#### Frame

- Overall frame depth is [2-11/16" replacement frame] [2-11/16" new construction frame with integral fin] [2-11/16" replacement frame with integral flush flange].
- Frame members are extruded, rigid uPVC.
- Frame members shall be mitered and electrically heat fused to provide a fully welded corner assembly.

#### Glazing System

- Quality float glass complying with ASTM C1036
- Exterior face glazed 3/4" sealed insulating glass.
- [Clear] [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] [Advanced Comfort] Low-E [with argon]] [Standard Obscure<sup>(1)</sup>] [Rain]] [Tempered] [High Altitude [with argon]].

#### Interior / Exterior

- All window frame members are an integral color extruded throughout the profiles.
- All exposed PVC surfaces are smooth, glossy and uniform in appearance.
- West Region Finish color [White (all frame types)] [[Almond] [Fossil] (Nail Fin frame only)].

#### Optional Products

- Grilles-Between-the-Glass
  - Insulating glass contains [5/8" flat] [3/4" contour] aluminum grilles permanently installed between two panes of glass.
  - Grilles match color of frame.



West Region Only

(1) Obscure glass not available with SunDefense+ or NaturalSun+ Low-E IG.

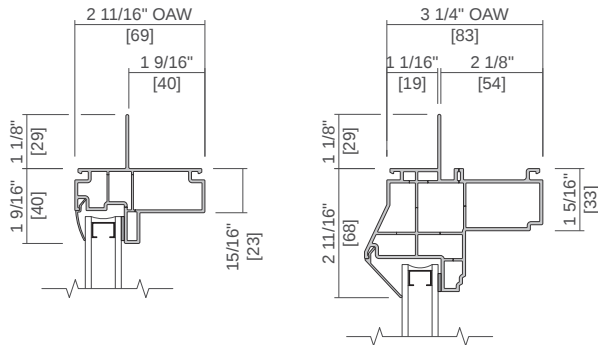


# Encompass by Pella® Fixed Frame Window

## Unit Sections - Frame Types

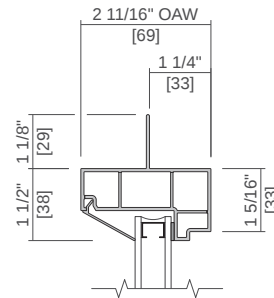
### EAST REGION - NEW CONSTRUCTION FRAME

Standard Nail Fin

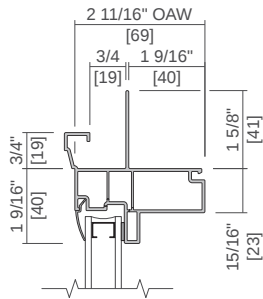


### WEST REGION - NEW CONSTRUCTION FRAME

Standard Nail Fin

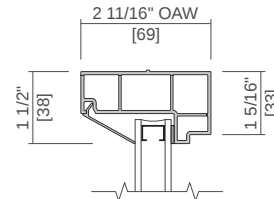


Standard Nail Fin with J-Channel

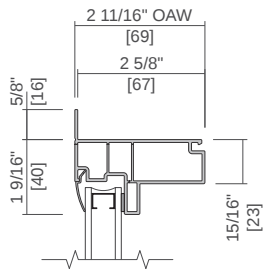


### WEST REGION - REPLACEMENT FRAME

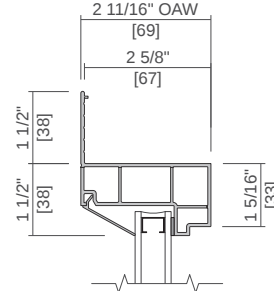
Standard Block Frame



5/8\" Flush Flange - Florida Region Only

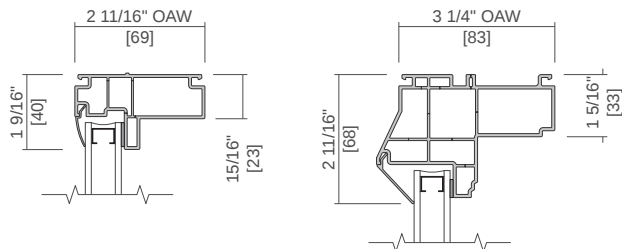


Flush Flange



### EAST REGION - REPLACEMENT FRAME

Standard Block Frame



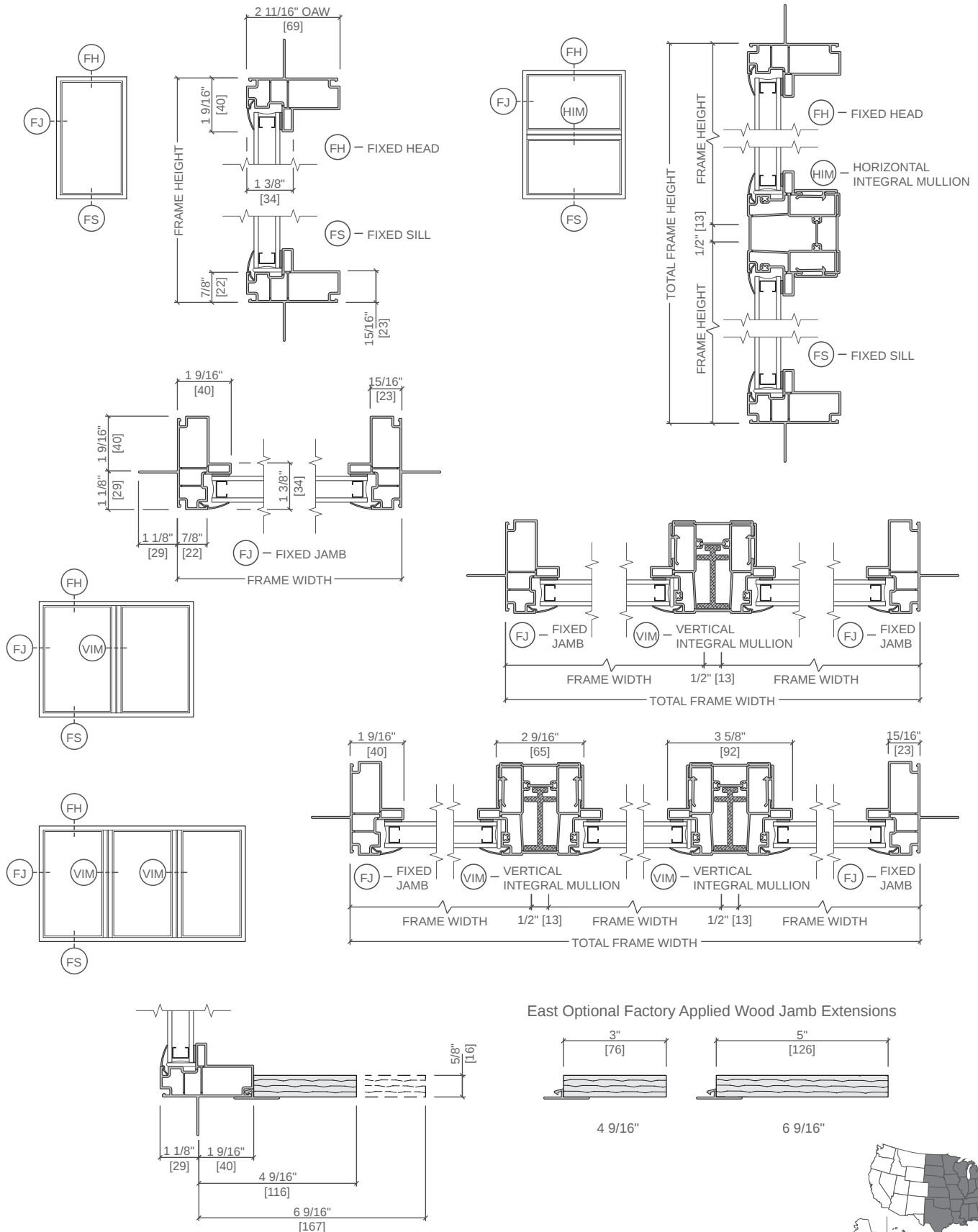
Double-Wall Flush Flange

Scale 3" = 1' 0"  
All dimensions are approximate.



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" New Construction Frame - East Region

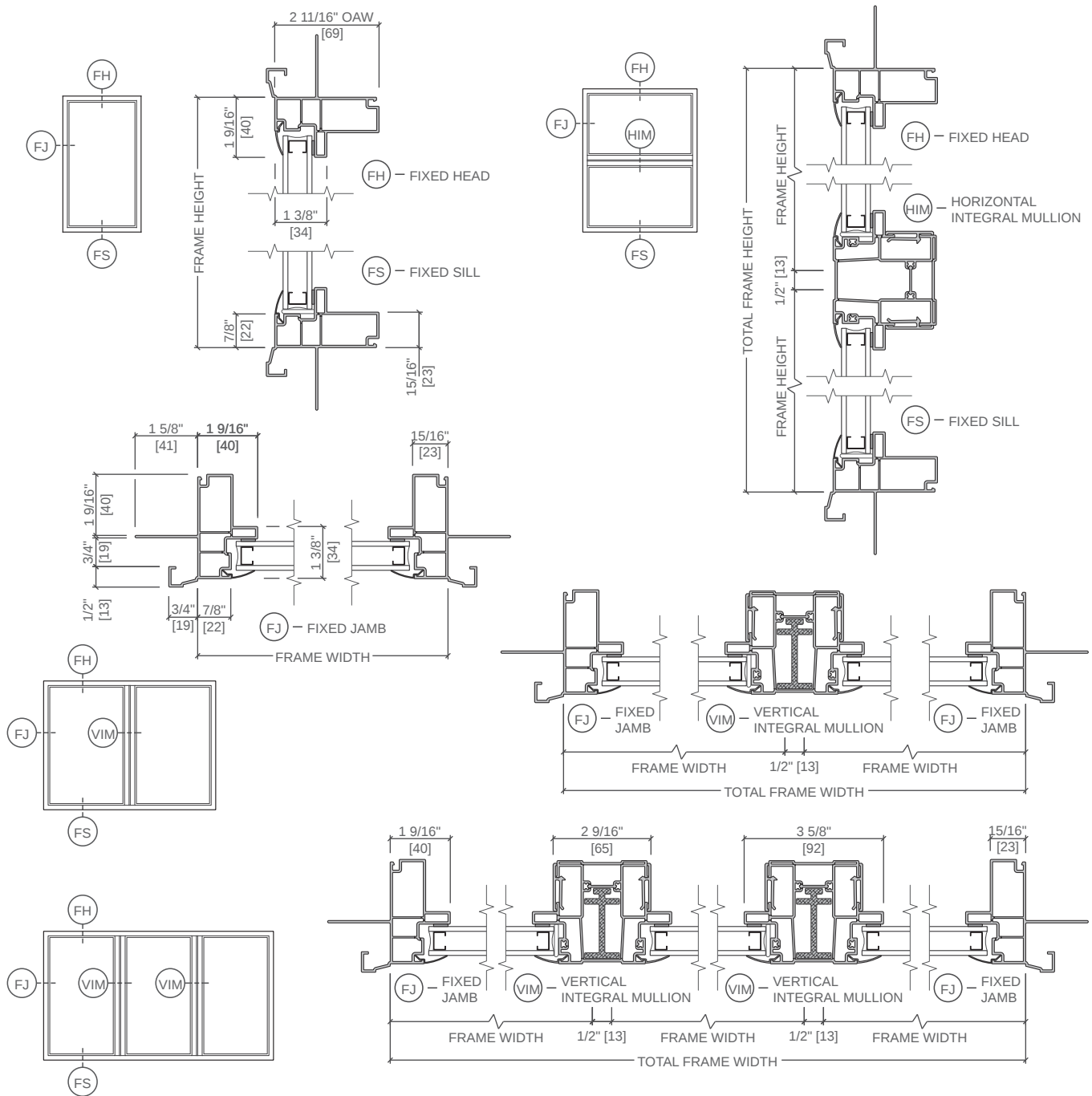


Scale 3" = 1' 0"  
All dimensions are approximate.



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" New Construction Frame with J-Channel - East Region



Scale 3" = 1' 0"  
All dimensions are approximate.

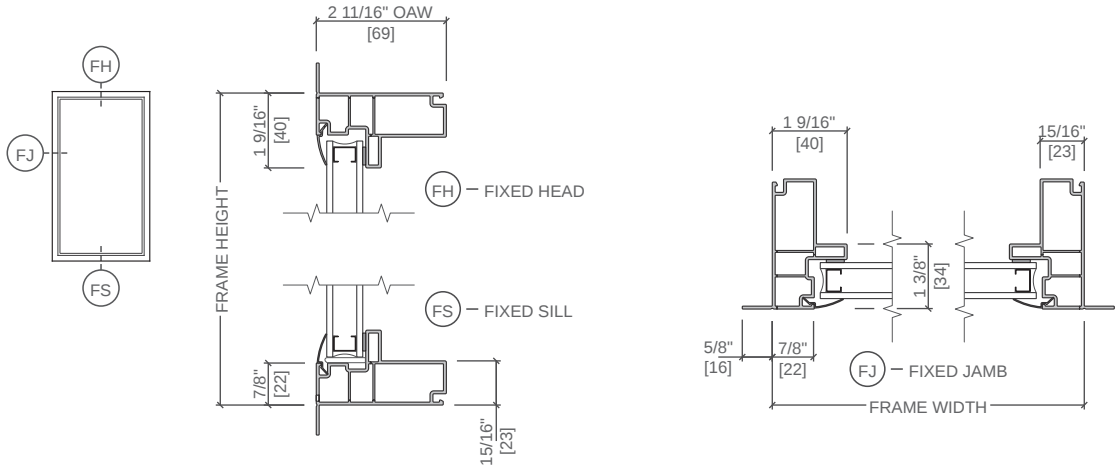


East Region Only



Encompass by Pella® Fixed Frame Window

Unit Sections 2-11/16" Flush Flange Frame - Florida Region Only



Scale 3" = 1' 0"  
All dimensions are approximate.

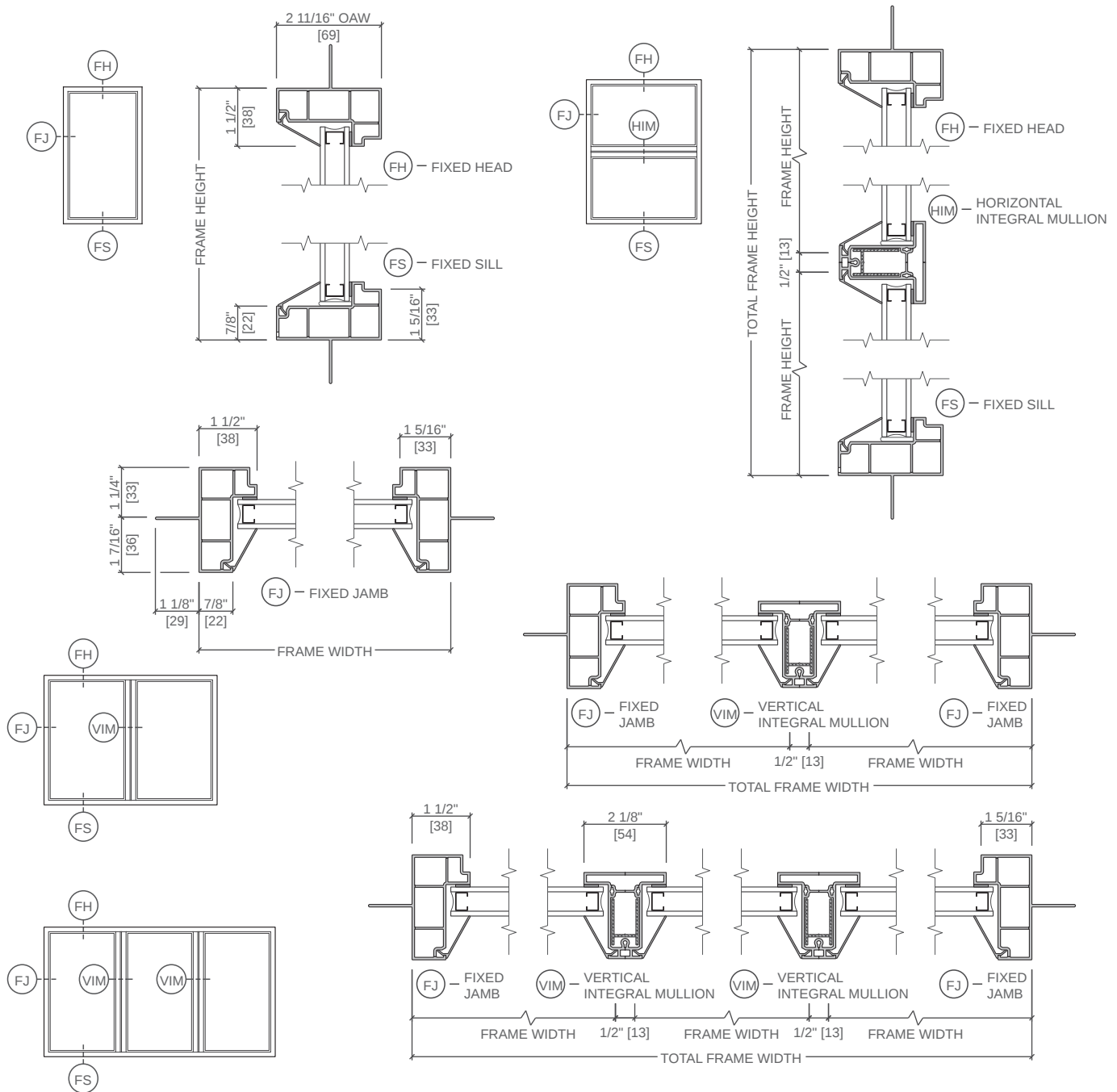


Florida Region Only



## Encompass by Pella® Fixed Frame Window

### Unit Sections 2-11/16" New Construction Frame - West Region



Scale 3" = 1' 0"  
All dimensions are approximate.

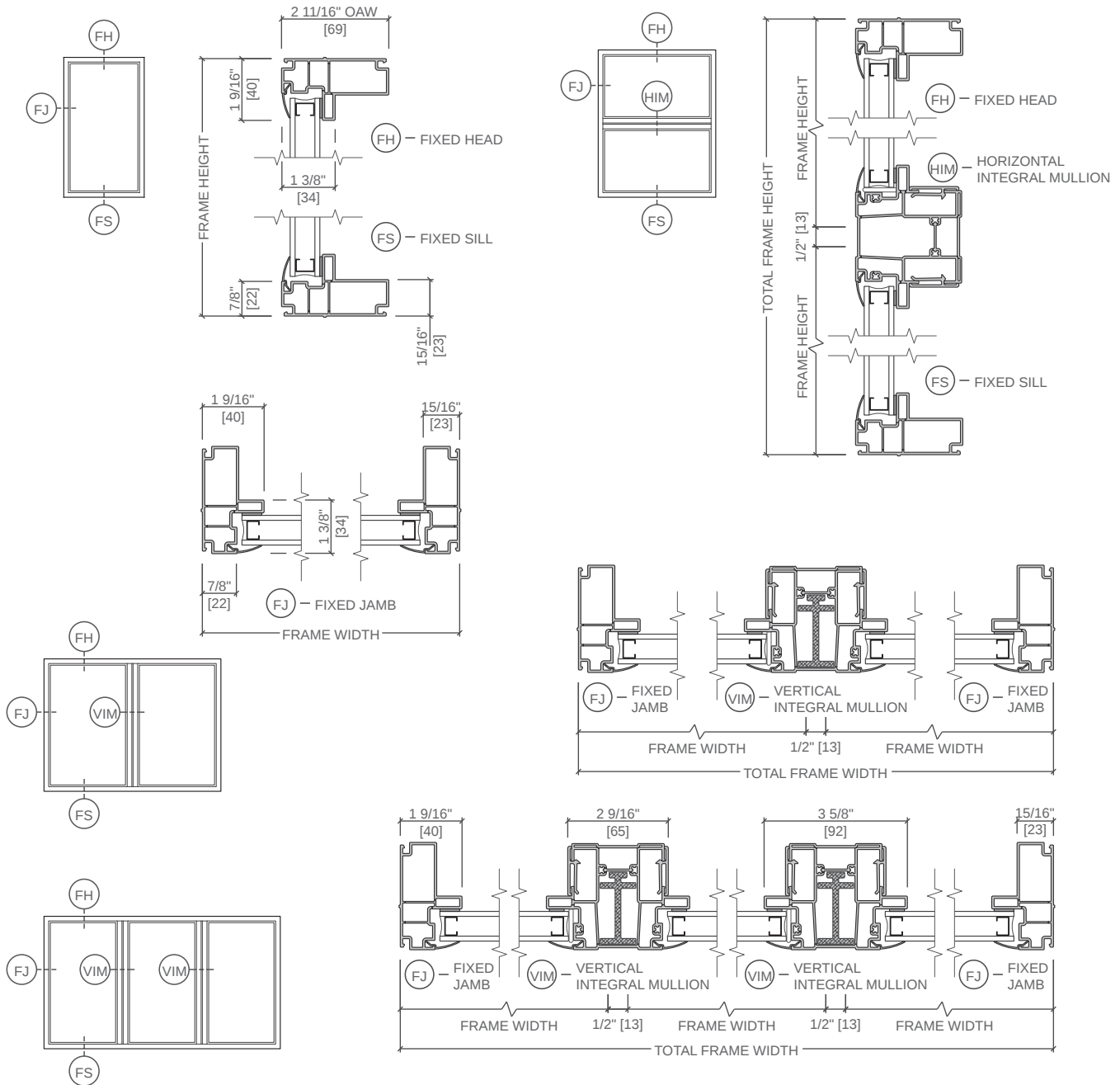


West Region Only



## Encompass by Pella® Fixed Frame Window

### Unit Sections 2-11/16" Replacement Frame - East Region



Scale 3" = 1' 0"

All dimensions are approximate.

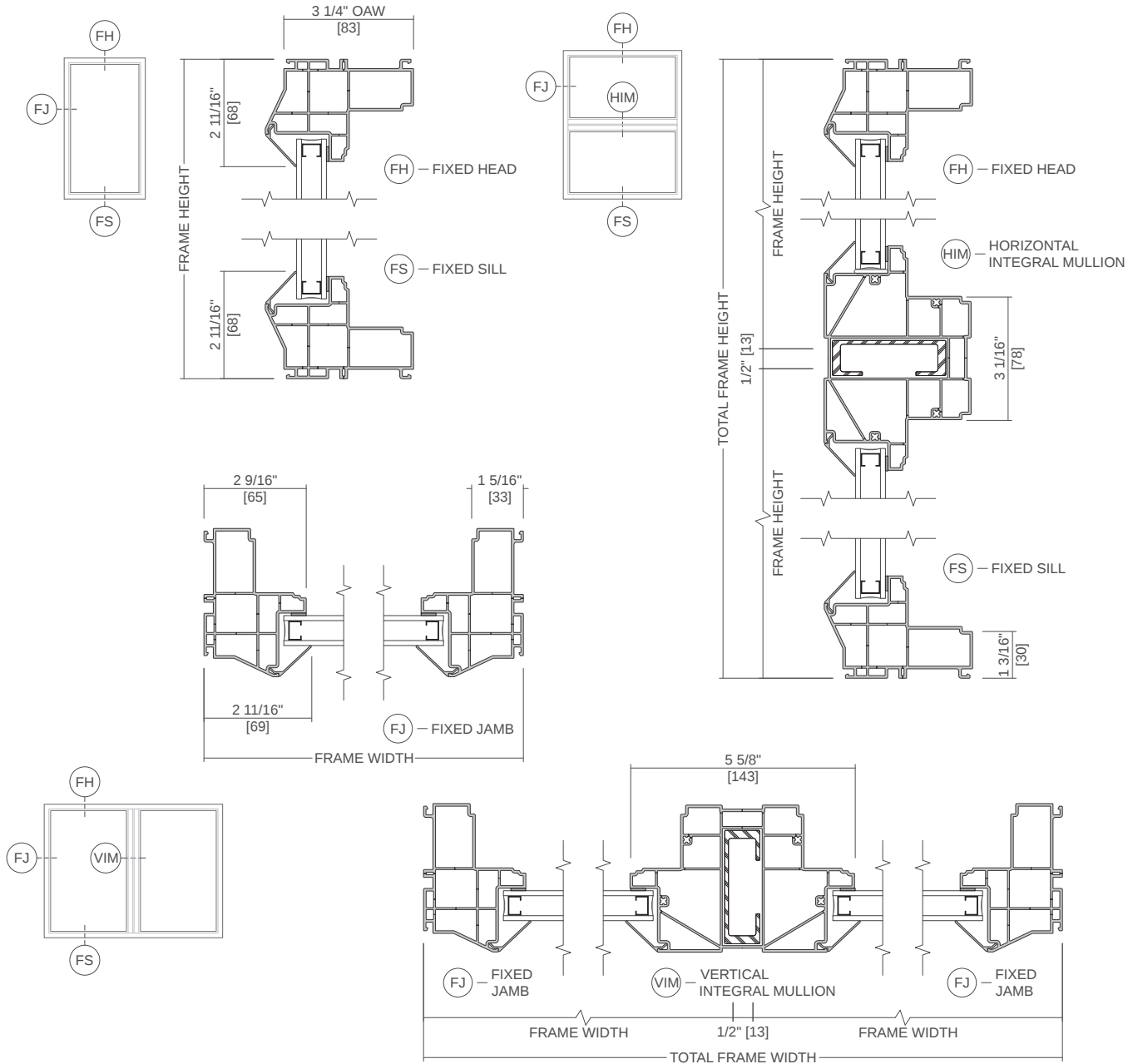


East Region Only



Encompass by Pella® Fixed Frame Window

Unit Sections 3-1/4" Replacement Frame - East Region



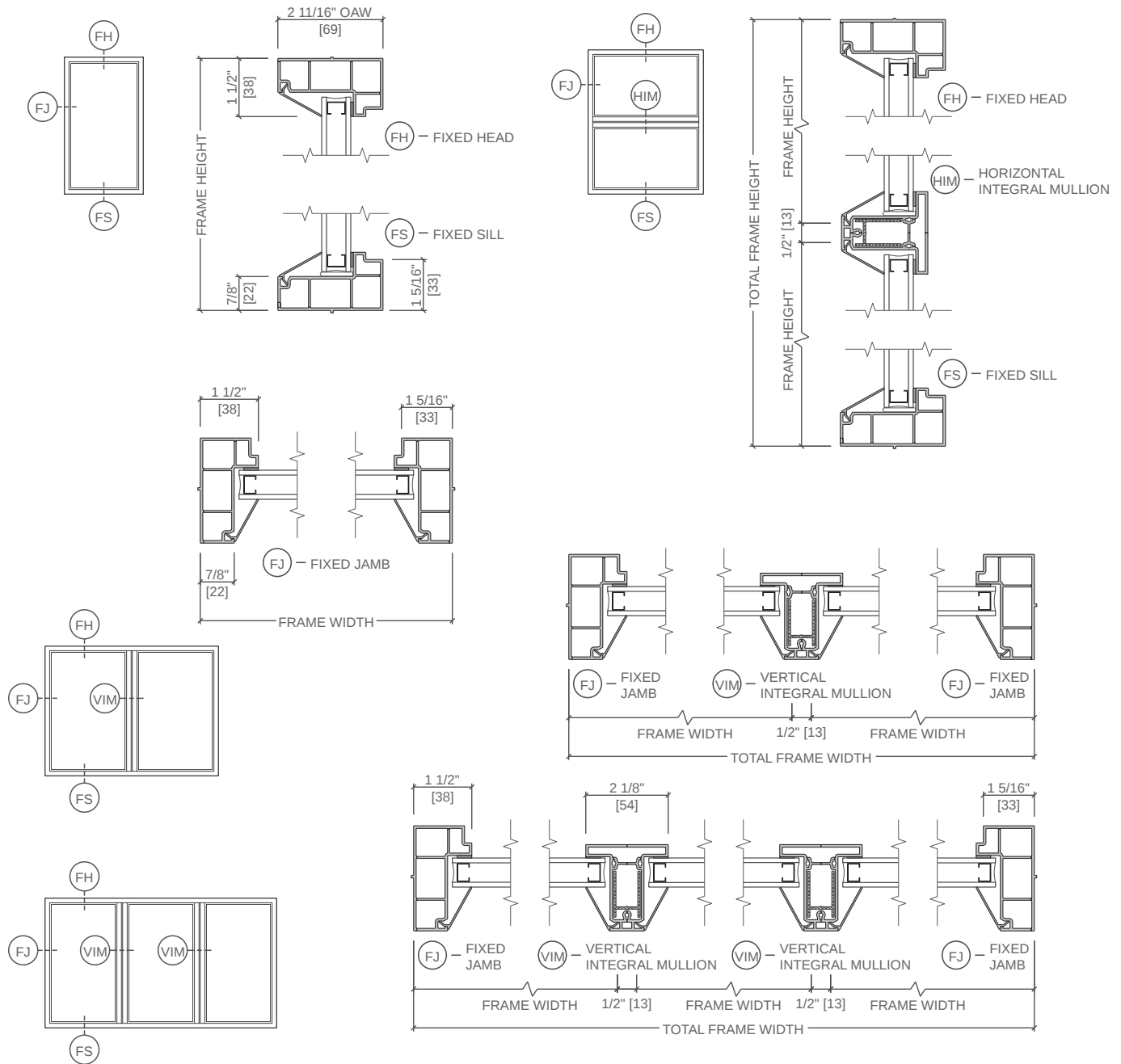
East Region Only

Scale 3" = 1' 0"  
All dimensions are approximate.



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" Replacement Frame - West Region



Scale 3" = 1' 0"

All dimensions are approximate.

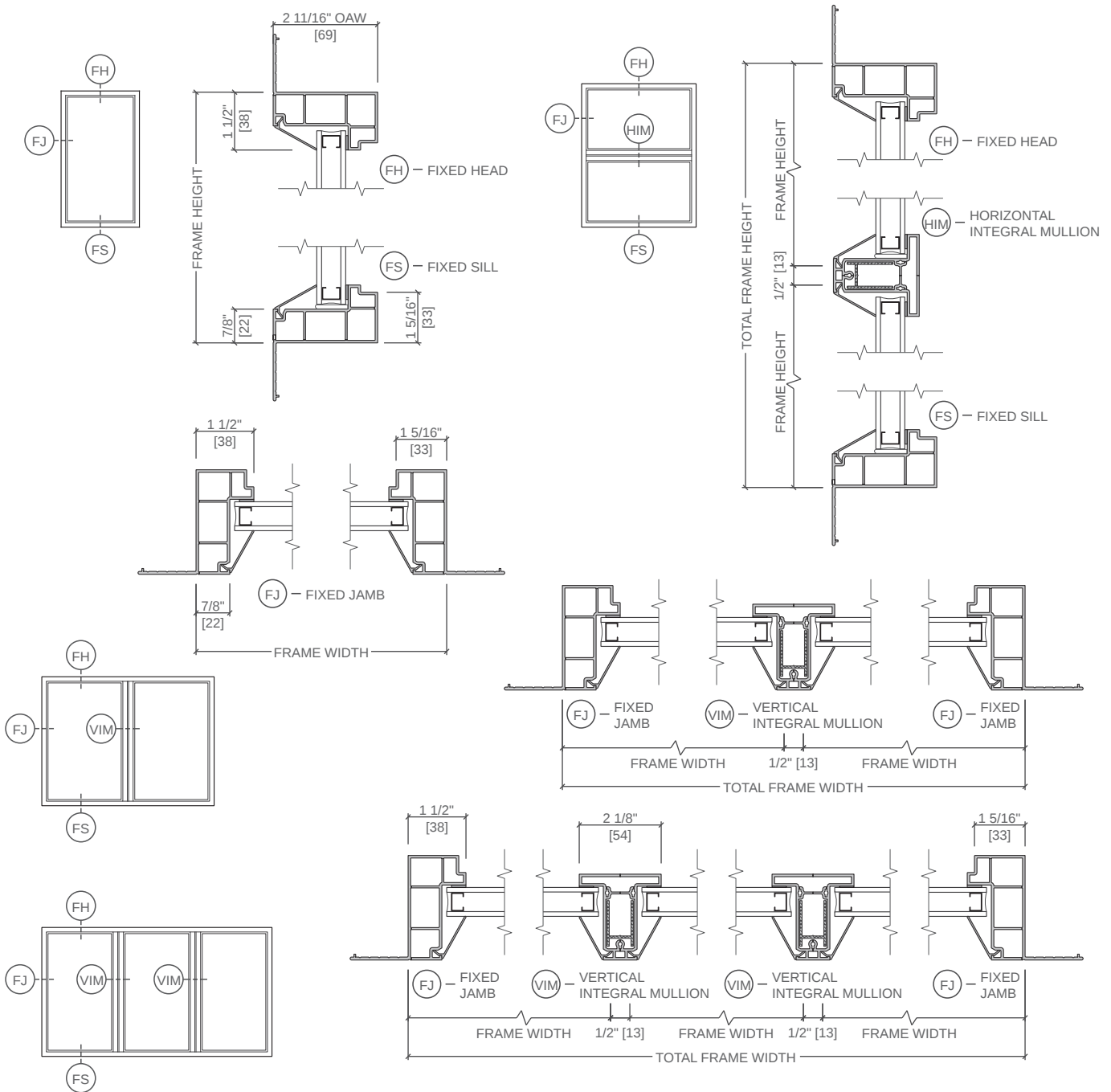


West Region Only



## Encompass by Pella® Fixed Frame Window

### Unit Sections 2-11/16" Replacement Flush Flange Frame - West Region



Scale 3" = 1' 0"

All dimensions are approximate.

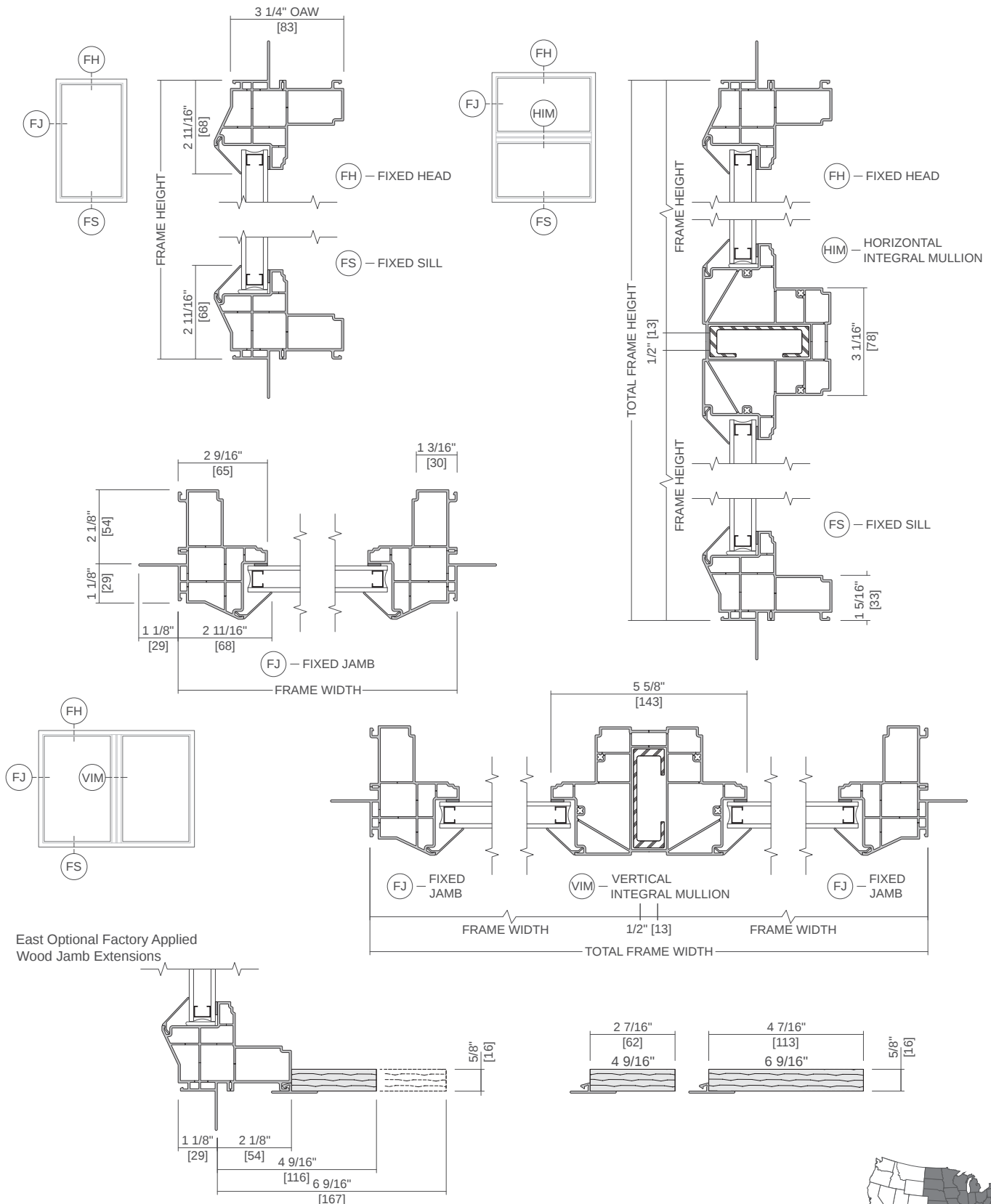


West Region Only



# Encompass by Pella® Fixed Frame Window

## Unit Sections 3-1/4" New Construction Frame - East Region



Scale 3" = 1' 0"  
All dimensions are approximate.



East Region Only