<table>
<thead>
<tr>
<th>Rough Opening Unit Dimension</th>
<th>OC20</th>
<th>OC24</th>
<th>OC30</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'-0&quot; (609)</td>
<td>0C20</td>
<td>0C24</td>
<td>0C30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Circle Windows (CIR)</th>
<th>CIR20</th>
<th>CIR24</th>
<th>CIR30</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'-0&quot; (609)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2'-0&quot; (609)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elliptical Window (ET)</th>
<th>ET6</th>
<th>ET8</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'-0&quot; (609)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:

*Unit Dimension* always refers to outside frame to frame dimension.

*Rough Opening* dimensions may need to be increased to allow for use of building wraps, flashing, sill paning, brackets, fasteners or other items. Dimensions in parentheses are in millimeters.

Date: 10/04/16

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Notes:

*Unit Dimension* always refers to outside frame to frame dimension.

*Rough Opening* dimensions may need to be increased to allow for use of building wraps, flashing, sill pan, brackets, fasteners or other items.

*Dimensions in parentheses are in millimeters.*

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400 SERIES

Specialty Windows

Arch Windows (AFC, AFCP, AFCW, AFFW)

Notes:

* "Unit Dimension" always refers to outside frame to frame dimension.
* "Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
* Dimensions in parentheses are in millimeters.
* A tempered glass standard

Date: 10/04/16
Scale: 1/8" (3) = 1'-0"

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### Arch Windows (AFC, AFCP, AFCW, AFFW)

<table>
<thead>
<tr>
<th>Unit Dimension 1/2&quot; (13)</th>
<th>Shoulder Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'-0&quot; 1/8&quot; (2442)</td>
<td>8'-3&quot; 3/16&quot; (2524)</td>
</tr>
<tr>
<td>8'-0&quot; 1/8&quot; (2442)</td>
<td>8'-4&quot; 25/32&quot; (2560)</td>
</tr>
<tr>
<td>8'-0&quot; 1/8&quot; (2442)</td>
<td>8'-6&quot; 9/16&quot; (2605)</td>
</tr>
<tr>
<td>8'-0&quot; 1/8&quot; (2442)</td>
<td>8'-7&quot; 3/16&quot; (2621)</td>
</tr>
<tr>
<td>8'-0&quot; 1/8&quot; (2442)</td>
<td>8'-7&quot; 15/16&quot; (2640)</td>
</tr>
<tr>
<td>8'-0&quot; 1/8&quot; (2442)</td>
<td>8'-9&quot; 9/16&quot; (2681)</td>
</tr>
</tbody>
</table>

Notes:

- "Unit Dimension" always refers to outside frame to frame dimension.
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- Dimensions in parentheses are in millimeters.
- ±Tempered glass standard

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400 SERIES

Specialty Windows

Notes:
*Unit Dimension* always refers to outside frame to frame dimension.
*Rough Opening* dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
Dimensions in parentheses are in millimeters.
*Tempered glass standard

Andersen Windows, Inc. reserves the right to change drawing specifications without notice

Date: 10/04/16
Scale: 1/8" (3) = 1' (305)
Notes:

*Unit Dimension* always refers to outside frame to frame dimension.

"Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.

Dimensions in parentheses are in millimeters.

* Tempered glass standard

Taller sizes continue on page 07

Date: 10/04/16

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Notes:

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Dimensions in parentheses are in millimeters.

*Tempered glass standard*

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Notes:

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*Rough Opening* dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.

Dimensions in parentheses are in millimeters.

*Tempered glass standard*
Shoulder Height

**Notes:**

*Unit Dimension* always refers to outside frame to frame dimension.

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Date: 10/04/16

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Flexiframe® Window Shapes and Design Criteria

Minimum and Maximum Limits: Flexiframe® windows may be assembled in almost any shape or size with these limitations:
- Maximum standard glass area of 60 sq. ft. or 5.57 m².
- Square footage is based on a square or rectangular shape.
- No angle may be less than 14°.
- No leg may be less than 6" (152) or greater than 144" (3658).
- No short leg may be greater than 84" (2134).
- See product information below for additional limitations based on specific shapes.

Custom Right Triangle
Definition: Contains one 90° corner. Specify length of both legs extending from the 90° corner.

Custom Isosceles Triangle
Definition: Contains two sides of equal length and equal angle. Specify length of leg at sill and window height (sill to peak).

Custom Trapezoid
Definition: Contains an angle face cut to left or right. Specify window width at sill, window height, and length of short side. Slope is often designed to match a roof’s slope.

Custom Rectangle
Definition: Contains four equal angles and either two or four equal sides. Includes both squares or rectangles. Specify window width and height.

Custom Peak Pentagon
Definition: Contains an angle cut, or a “cut-off corner” sloping to left or right. Specify width at head, width at sill, height on short side and height on long side.

Custom Angled Pentagon
Definition: Contains sides of equal length, extending at right angles from the sill, and two angled sides, of equal length, that peak above center of sill. Specify window width at sill, height of one vertical leg, and window height from sill to peak.

Custom Horizontal/Pitched Parallelogram
Definition: Contains two pairs of parallel sides. Specify length of vertical leg, window width and pitch.

Custom Diamond Parallelogram
Definition: Contains two pairs of parallel and equal length sides. Specify by window width and window height.

Custom Equalateral Octagon
Definition: Contains eight equal angles and sides. Specify length of one leg. Standard-size octagons are available in 2'-0" (610), 2'-4" (711), and 3'-0" (914) dimensions.

Custom Equalateral Hexagon
Definition: Contains six equal angles and sides. Specify length of one leg.

Custom Unequal Hexagon
Definition: Contains three pairs of angles and two sets of equal length legs. Unequal leg at head of unit is parallel to and is centered over unequal leg at sill. Specify length of leg at sill and head, one vertical leg and window height.

Notes:
Dimensions in parentheses are in millimeters.

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**Custom Arch Windows**

Andersen offers even greater design flexibility with custom-dimensioned equal leg arches, unequal leg arches and partial eyebrows. Custom arch windows can be designed using one of 10 standard radii, further expanding the existing line of 90 standard sizes of Andersen arch windows.

**Design Criteria**

Listed below are some factors that must be considered when deciding on a custom arch size and shape. For specific design criteria, joining guidelines and order information, contact your Andersen supplier.

- **Do all calculations in inches to 3 decimal places.**
- **Order extension jambs along with window for correct sizing.**
- **All units are stationary.**
- **Maximum standard glass area of 60 sq. ft. or 5.57 m².**
- **Ten Standard radii:** 18 3/4" (476), 24" (610), 32 1/4" (819), 34 3/4" (870), 36" (914), 48" (1219), 60" (1524), 72" (1829), 96" (2438), 192" (4877)
- **Maximum radius:** Based on available radius piece length, contact supplier for specific information.
- **Maximum Equal Leg Width:** 36 3/4" (95) for 18 3/4" (476) radius to 144" (3658) for 192" (4877) Radius.
- **Maximum Unequal Leg Width:** 18 3/4" (476) for 18 3/4" (476) radius to 134" (3404) for 192" (4877) Radius.
- **Maximum Partial Eyebrow Width:** 18 3/4" (476) for 18 3/4" (476) radius to 137 1/2" (3493) for 192" (4877) Radius.
- **Only one dimension, height or width can exceed 84" (2134).**
- **No height dimension greater than 144" (3658).**
- **No leg dimension less than 6" (152).**

**Standard Radii for Custom Arch and Maximum Width for Equal Leg Arch**

Custom arch shapes and sizes are specially constructed to be used in combination with other Andersen® windows including casement, awning, double-hung, gliding and Flexiframe® windows and hinged or gliding patio doors.

Andersen® grilles are available for most styles and sizes. Contact your supplier for availability.

Notes:
Dimensions in parentheses are in millimeters.

Andersen Windows, Inc. reserves the right to change drawing specifications without notice.

Date: 10/04/16

Scales: 1/8" (3) = 1' (305)