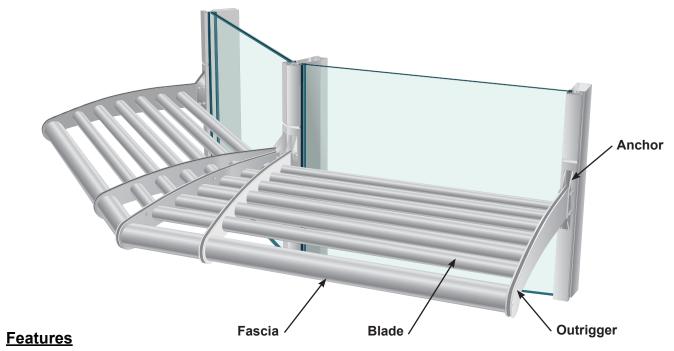
Laws and building and safety codes governing such as gazed entrance, window, and curtain woontrol the selection of product configurations, and assumes no responsibility therefor.

EC 97911-291 FEATURES - CURTAIN WALL



- Standardized solution for seamless integration with 1600 Wall System®1, 1600 Wall System®2, 1600UT System®1, 1600UT System®2, 1600 Wall System®5, 1600 SS, 1600 SS SSG and 1630 SS IR.
- · Tested for combined wind, snow and dead loads
- 30" (762 mm) and 36" (914.4 mm) deep Outriggers are standard
- Fully pre-engineered 90° and 135° inside and outside corners
- Thermally broken attachment method for 1600 Wall System®1, 1600UT System®1, 1600 SS, 1600 SS SSG and 1630 SS IR.
- 1600 Wall System[®]2, 1600UT System[®]2 and 1600 SS SSG allow 2 sided SSG.
- Attachment bracket designed to accept shallow and deep covers
- · Easy to use Load Charts quicken design process
- Refreshing new blade options, with tubular profiles for spanning wider openings
- 44 different combinations of outrigger and blade styles allow aesthetic & shading performance flexibility
- Qualified for up to 3 different LEED Certification criteria
- Permanodic® anodized finishes option
- · Painted finishes in standard and custom choices
- Shading performance can be analyzed by Solector® Sun Shading Estimator Tool

Product Application

- Curtain Wall Facades
- Interior aesthetical application

For specific product applications, consult your Kawneer representative.



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EC 97911-291

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Versoleil® SunShade - Outrigger System

EC 97911-291

INDEX - CURTAIN WALL

Laws and building and safety codes governing the design and use of Kawneer products, vary and safed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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Architects - Most extrusion and window types illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand design flexibility. Please contact your Kawneer representative for further assistance.

1600 WALL SYSTEM®1	
1600 WALL SYSTEM®2	
1600UT SYSTEM®1	
1" INFILL	6
1-3/4" INFILL	7
1600UT SYSTEM®2	
1" INFILL	
1600 WALL SYSTEM®5	
1600 SS	10
1600 SS SSG	11
1630 SS IR	12
90° and 135° CORNERS	13,14
SUNSHADE COMBINATIONS	15,16
LOAD CHARTS	17-19

Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses () are millimeters unless otherwise noted.

The following metric (SI) units are found in these details:

m – meter

cm - centimeter

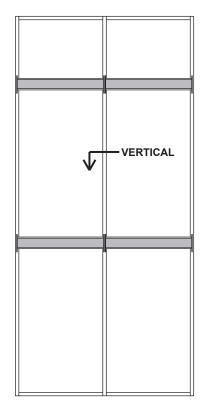
mm - millimeter

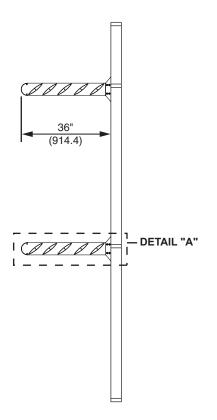
s - second

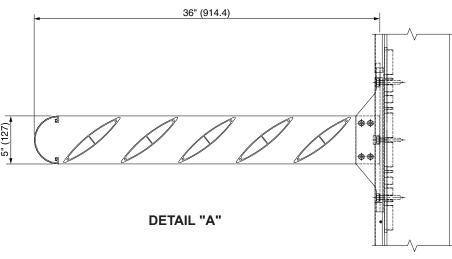
Pa – pascal

MPa - megapascal





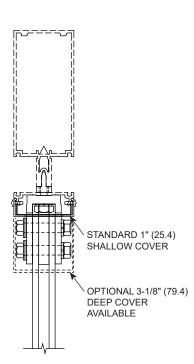




SHOWN WITH 36" ROUNDED OUTRIGGER, AIRFOIL BLADE, BULLNOSE FASCIA, AND SHALLOW COVER.

NOTE:

Horizontal sunshades are not recommended directly over entrances and walkways to eliminate any risk of injury due to falling ice or snow. Attachment bracket is painted only and will be painted to match anodized finish.



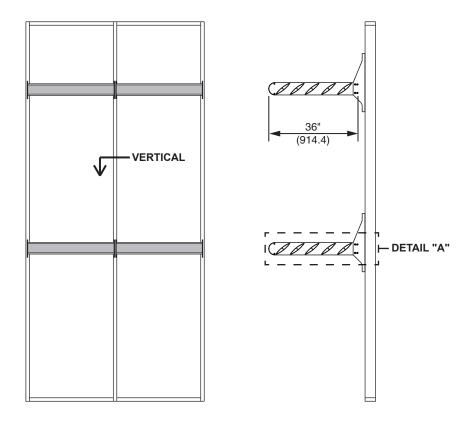
SECTION VIEW THROUGH VERTICAL **MULLION**

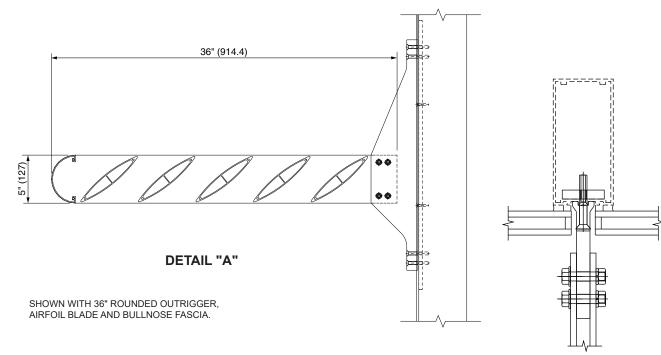


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1600 WALL SYSTEM®2 APPLICATION

Additional information and CAD details are available at www.kawneer.com





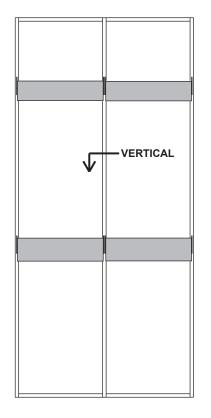
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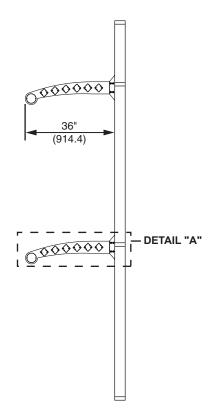
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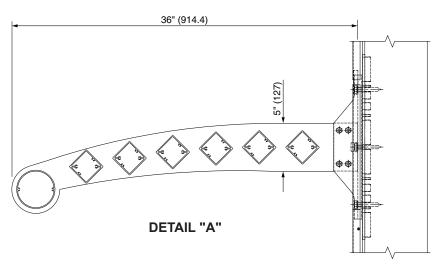
Attachment bracket is painted only and will be painted to match anodized finish.



Additional information and CAD details are available at www.kawneer.com





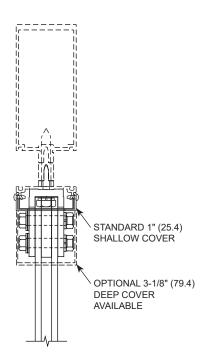


SHOWN WITH 36" CURVED OUTRIGGER, DIAMOND BLADE, CIRCULAR FASCIA, AND SHALLOW COVER.

NOTE:

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Attachment bracket is painted only and will be painted to match anodized finish.



SECTION VIEW THROUGH VERTICAL MULLION

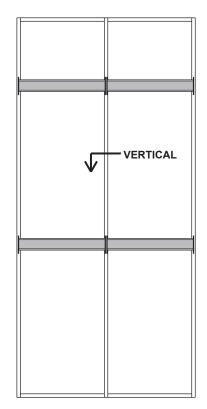


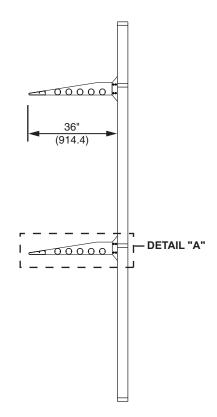
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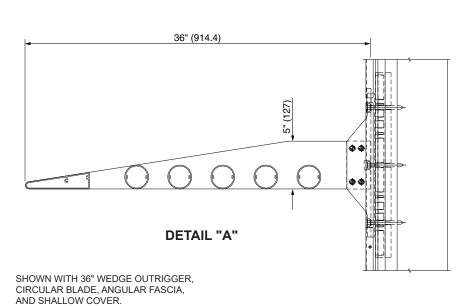
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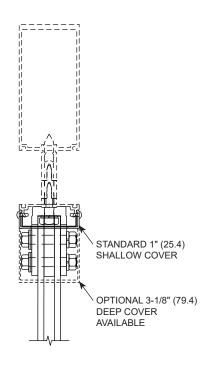
1600UT SYSTEM®1 APPLICATION - 1-3/4" INFILL

Additional information and CAD details are available at www.kawneer.com







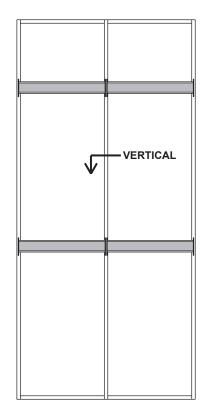


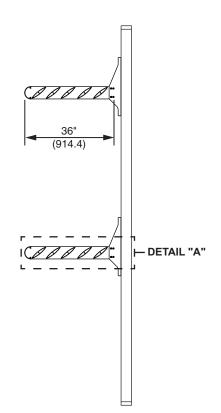
NOTE:

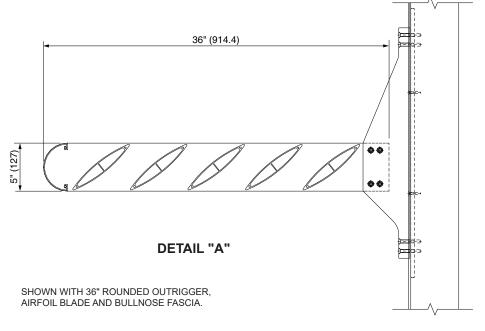
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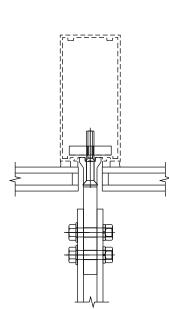


Additional information and CAD details are available at www.kawneer.com









NOTE:

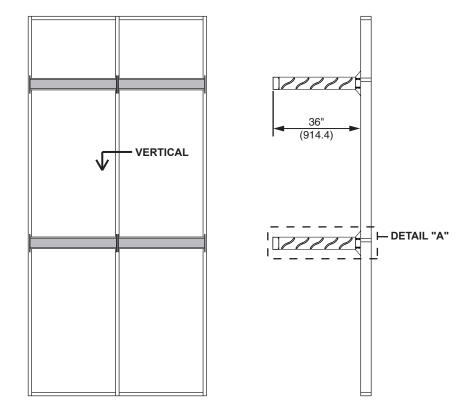
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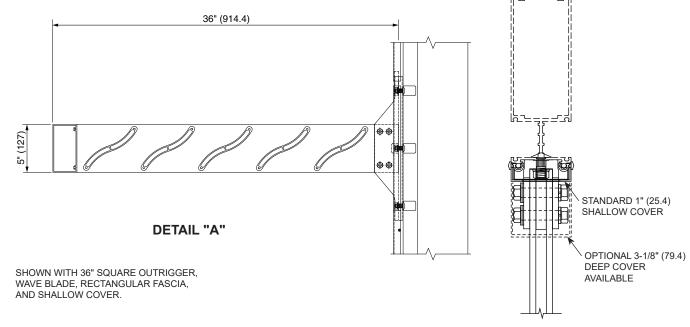
SECTION VIEW THROUGH VERTICAL **MULLION**



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Additional information and CAD details are available at www.kawneer.com





NOTE:

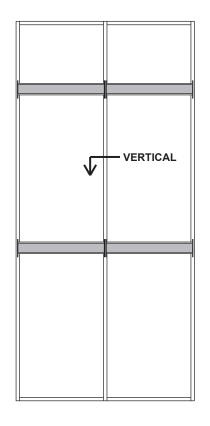
Horizontal sunshades are not recommended directly over entrances and walkways to eliminate any risk of injury due to falling ice or snow.

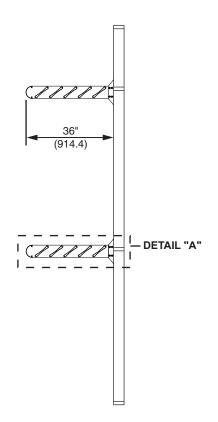
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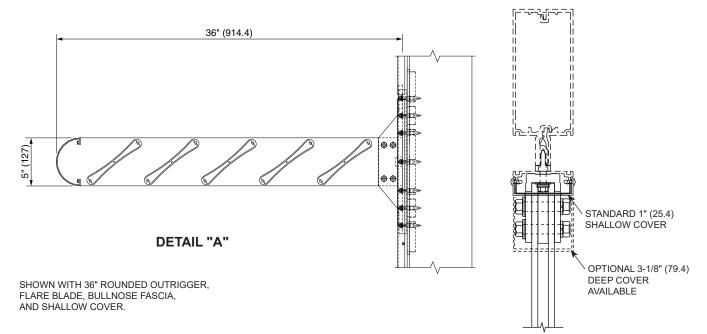


10

1600 SS APPLICATION







NOTE:

Horizontal sunshades are not recommended directly over entrances and walkways to eliminate any risk of injury due to falling ice or snow. Attachment bracket is painted only and will be painted to match anodized finish.

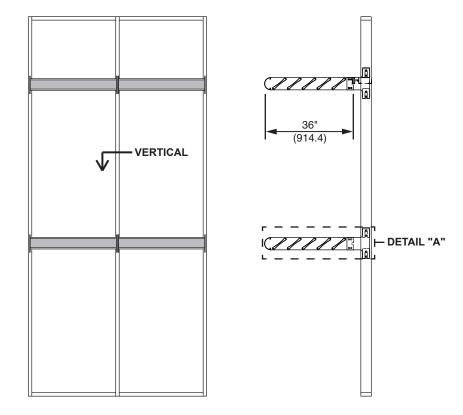
SECTION VIEW THROUGH VERTICAL **MULLION**

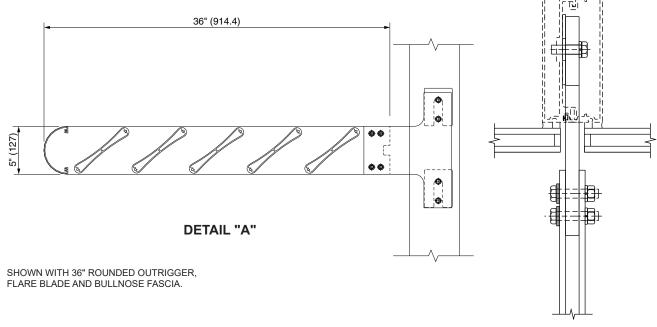


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EC 97911-291 1600 SS SSG APPLICATION

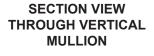
Additional information and CAD details are available at www.kawneer.com





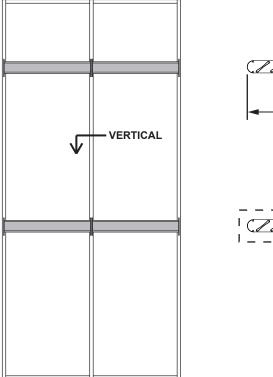
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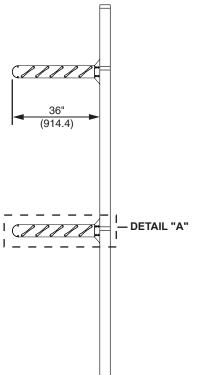
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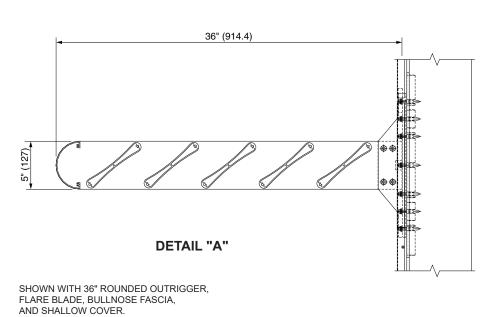


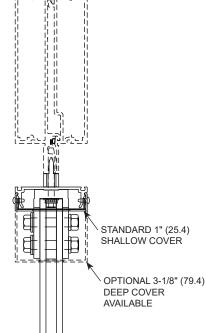


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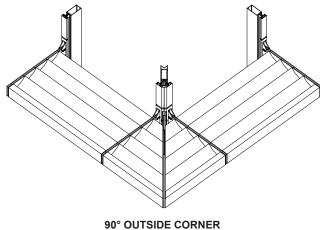
NOTE:

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Attachment bracket is painted only and will be painted to match anodized finish.

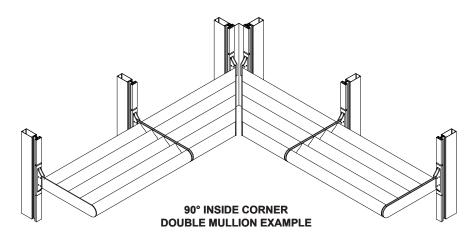


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SINGLE MULLION EXAMPLE

SHOWN WITH 30" SQUARE OUTRIGGER, WAVE BLADE, RECTAGULAR FASCIA AND SHALLOW COVER.



SHOWN WITH 30" ROUNDED OUTRIGGER, WAVE BLADE, BULLNOSE FASCIA AND SHALLOW COVER.

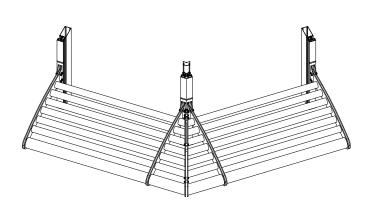
	90° INSIDE CORNER	90° OUTSIDE CORNER
1600 Wall System®1	Available with Double Mullion Available with Single Mullion and Double M	
1600 Wall System®2	all System®2 Use 1600 Wall System®1 Double Mullion Available with Single Mullion	
1600UT System®1	Available with Double Mullion	Available with Single Mullion and Double Mullion
1600UT System®2	Use 1600UT System®2 Double Mullion	Available with Single Mullion
1600 Wall System®5	Available with Double Mullion	Available with Double Mullion
1600 SS	Available with Double Mullion	Available with Double Mullion
1600 SS SSG	Use 1600 SS Double Mullion	Use 1600 Wall System®2 Single Mullion
1630 SS IR	Available with Double Mullion	Available with 1600 System®1 Single Mullion and Double Mullion



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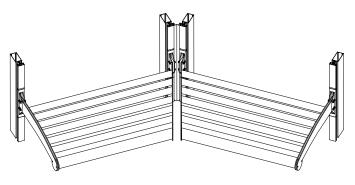
135° CORNERS - CURTAIN WALL

14



135° OUTSIDE CORNER SINGLE MULLION EXAMPLE

SHOWN WITH 36" CURVED OUTRIGGER, CIRCULAR BLADE, CIRCULAR FASCIA AND SHALLOW COVER.



135° INSIDE CORNER DOUBLE MULLION EXAMPLE

SHOWN WITH 36" CURVED OUTRIGGER, CIRCULAR BLADE, CIRCULAR FASCIA AND SHALLOW COVER.

	135° INSIDE CORDER	135° OUTSIDE CORNER
1600 Wall System®1	Available with Double Mullion Available with Single Mullion and Doub	
1600 Wall System®2	Wall System®2 Use 1600 Wall System®1 Double Mullion Available with Single Mullion	
1600UT System®1	Available with Double Mullion	Available with Single Mullion and Double Mullion
1600UT System®2	Use 1600UT System®2 Double Mullion Available with Single Mullion	
1600 Wall System®5	0 Wall System®5 Available with Double Mullion Available with Double Mullion	
1600 SS	O SS Available with Double Mullion Available with Double Mullion	
1600 SS SSG	Use 1600 SS Double Mullion Use 1600 Wall System®2 Single Mullion	
1630 SS IR	Available with Double Mullion	Available with Double Mullion



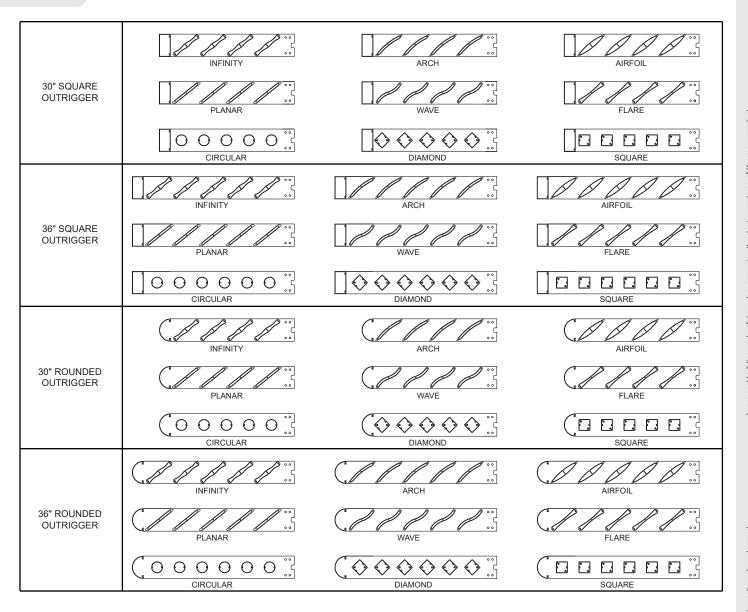
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STANDARD OUTRIGGERS	STANDARD FASCIAS	STANI BLAI	
30" SQUARE	RECTANGULAR	INFINITY	FLARE
36" SQUARE		ARCH	CIRCULAR
30" ROUNDED	BULLNOSE	AIRFOIL	DIAMOND
36" ROUNDED		PLANAR	SQUARE
		WAVE	
30" WEDGE	ANGULAR	CIRCULAR	
36" WEDGE			
30" CURVED	CIRCULAR	CIRCULAR	SQUARE
36" CURVED		DIAMOND	

ADMG030EN





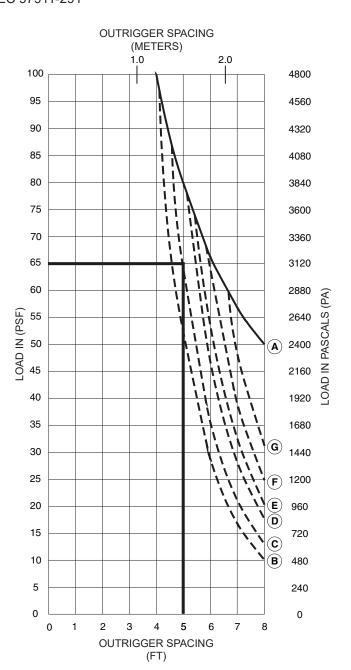
	30" CURVED OUTRIGGER	DIAMOND SQUARE CIRCULAR
_	36" CURVED OUTRIGGER	DIAMOND SQUARE CIRCULAR
K	AWNEER	2

30" WEDGE OUTRIGGER	CIRCULAR
36" WEDGE OUTRIGGER	CIRCULAR

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LOAD CHARTS - CURTAIN WALL



LOAD CHART EXAMPLE

1600 Wall System®1 30" OUTRIGGER

Combined Load (Wind, Snow, Ice, etc.) = 65 PSF

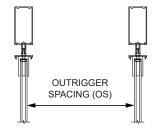
Outrigger Spacing = 5' 0"

Outrigger Projection = 30"

Looking at the chart the following combinations are possible:

30" LONG OUTRIGGER WITH:

- A CIRCULAR BLADE (482010) SQUARE BLADE (494011) DIAMOND BLADE (494011)
- C ARCH BLADE (494006)
- D FLARE BLADE (494008)
- E WAVE BLADE (494010)
- F INFINITY BLADE (494009)
- G AIRFOIL BLADE (494005)



CENTER LINE TO CENTER LINE OF MULLIONS = OUTRIGGER SPACING (OS) + 0.938"

LOAD IS A COMBINATION OF ALL APPLIED LOADS, SUCH AS WIND, SNOW, ICE, ETC. ACTING PERPENDICULAR TO THE BLADE. CHARTS HAVE BEEN ADJUSTED TO ACCOUNT FOR THE DEAD LOAD OF THE BLADES AND OUTRIGGER.

- A 30" OUTRIGGER with
 - CIRCULAR BLADE 482010 or
- □ ♦ SQUARE / DIAMOND BLADE 494011
 - B PLANAR BLADE 494007
- **C** ARCH BLADE 494006
- **D** FLARE BLADE 494008
- **E** WAVE BLADE 494010
- F INFINITY BLADE 494009
- ✓ G AIRFOIL BLADE 494005

CURVE NOTES:

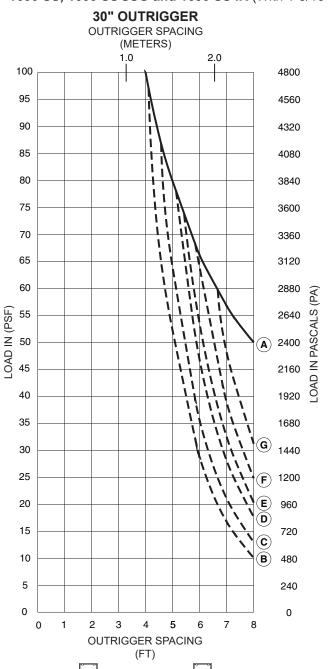
LINES BECOME DASHED WHERE SPECIFIC BLADES LIMIT LOAD CAPACITY.

ALLOWABLE DEFLECTION IS BASED ON L/120.

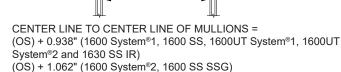
CURVES SHOWN REPRESENT THE ALLOWABLE LOADING AT BOTH INTERMEDIATE AND CORNER CONDITIONS.



1600 Wall System®1, 1600 Wall System®2, 1600UT System®1, 1600UT System®2 (With 1-3/4" Triple Glazed Infill) 1600 SS, 1600 SS SSG and 1630 SS IR (With 1-5/16" Double Glazed Infill)

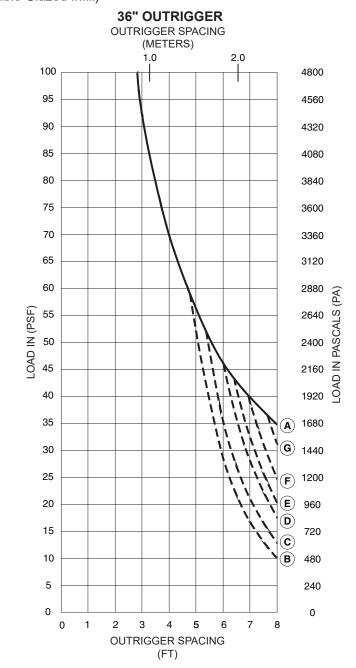


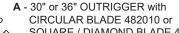
LOAD CHARTS - CURTAIN WALL



OUTRIGGER SPACING (OS)

LOAD IS A COMBINATION OF ALL APPLIED LOADS, SUCH AS WIND, SNOW, ICE, ETC. ACTING PERPENDICULAR TO THE BLADE. CHARTS HAVE BEEN ADJUSTED TO ACCOUNT FOR THE DEAD LOAD OF THE BLADES AND OUTRIGGER.





- SQUARE / DIAMOND BLADE 494011
- B PLANAR BLADE 494007
- C ARCH BLADE 494006
- **D** FLARE BLADE 494008
- **E** WAVE BLADE 494010 F - INFINITY BLADE 494009
- G AIRFOIL BLADE 494005

CURVE NOTES:

LINES BECOME DASHED WHERE SPECIFIC BLADES LIMIT LOAD CAPACITY.

ALLOWABLE DEFLECTION IS BASED ON L/120.

CURVES SHOWN REPRESENT THE ALLOWABLE LOADING AT BOTH INTERMEDIATE AND CORNER CONDITIONS.

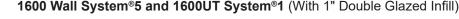


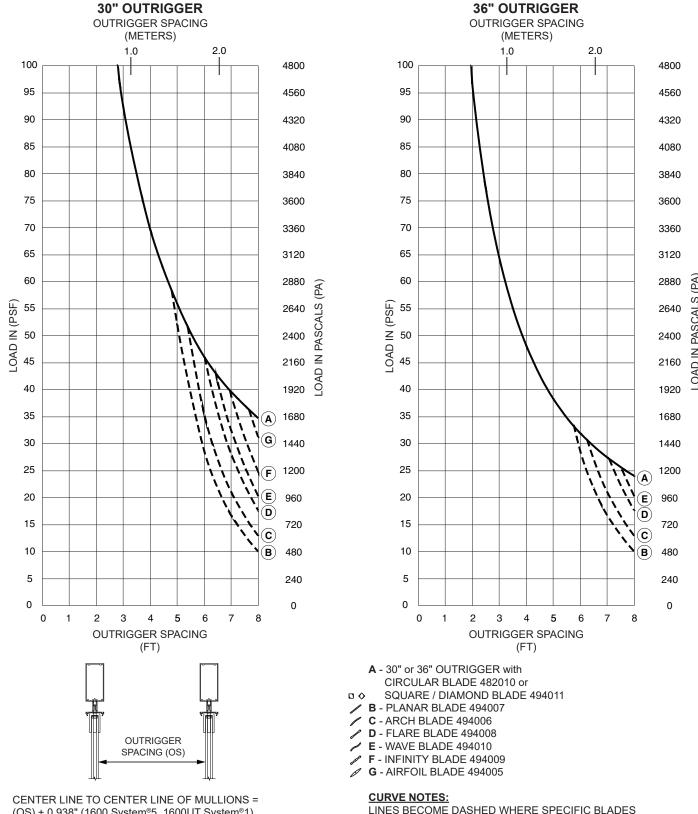
ADMG030EN kawneer.com reserves the right to change configuration without prior notice when deemed

n and use of Kawneer products, cts, vary widely. Kawneer does not hardware, or glazing materials,

LOAD CHARTS - CURTAIN WALL EC 97911-291

1600 Wall System®5 and 1600UT System®1 (With 1" Double Glazed Infill)





(OS) + 0.938" (1600 System®5, 1600UT System®1)

LOAD IS A COMBINATION OF ALL APPLIED LOADS, SUCH AS WIND, SNOW, ICE, ETC. ACTING PERPENDICULAR TO THE BLADE. CHARTS HAVE BEEN ADJUSTED TO ACCOUNT FOR THE DEAD LOAD OF THE BLADES AND OUTRIGGER.

LIMIT LOAD CAPACITY.

ALLOWABLE DEFLECTION IS BASED ON L/120.

CURVES SHOWN REPRESENT THE ALLOWABLE LOADING AT BOTH INTERMEDIATE AND CORNER CONDITIONS.

20

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