
BIPV - DESIGN WITH SOLAR CELLS

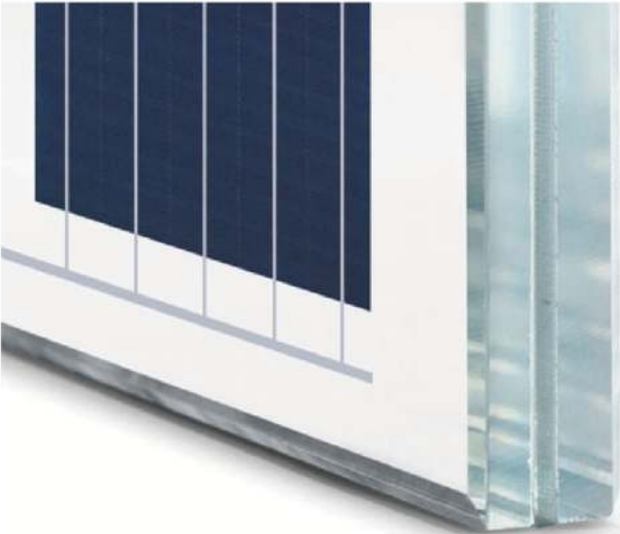
DIFFERENT SOLAR CELLS
LAYOUTS

למידע ופרטים נוספים:

073-7969732 יוניקו אנוגיה

GLASS TYPES

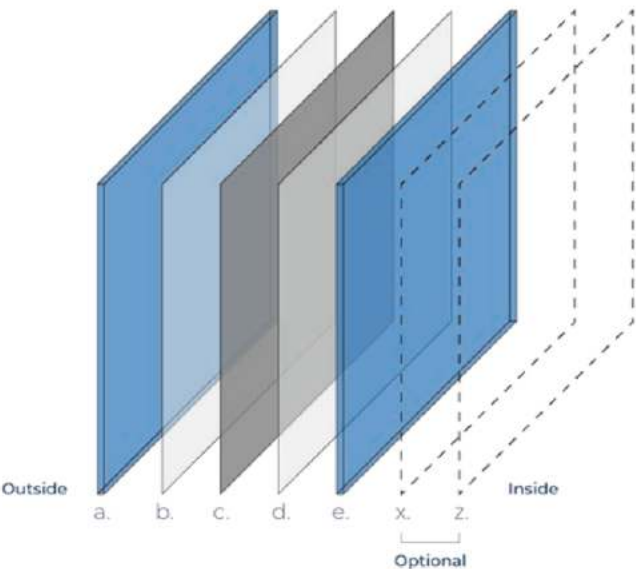
LAMINATED SOLAR GLASS



Laminated glass raises the bar for contemporary building and is a symbol of refinement and safety. This novel material redefines architectural possibilities with its unmatched strength, impact resistance, and smooth, exquisite finish. It is made of layers linked together. In today's architectural world, laminated glass is the cornerstone of current architecture, seamlessly fusing safety and style. Its benefits range from improving structural integrity to offering soundproofing and security.

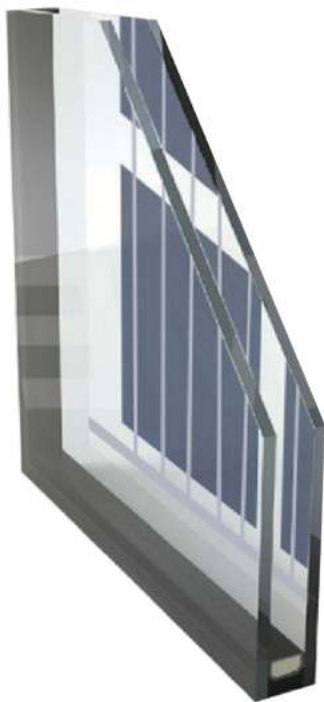
These Laminated Glass layers can exhibit various configurations such as the following:

LAMINATED SOLAR GLASS LAYERS		
IMPERIAL METRIC		
a./e.	0.11in (Opaque only), 0.15in, & 3mm (Opaque only), 4mm, & Low Iron Glass0.23in6mm	
b./d./x.	Ethylene Vinyl Acetate: Good radiation Encapsulanttransmission and low degradability to sunlight as an encapsulating agent or other interlayer specified.	
	Mono-crystalline Mono-crystalline	
c.	Solar Cells	(6.25in x 6.25in)(158.75mm x 158.75mm)
	High durability, UV resistant, PV backsheet	
z.	(Optional) Backsheet	



GLASS TYPES

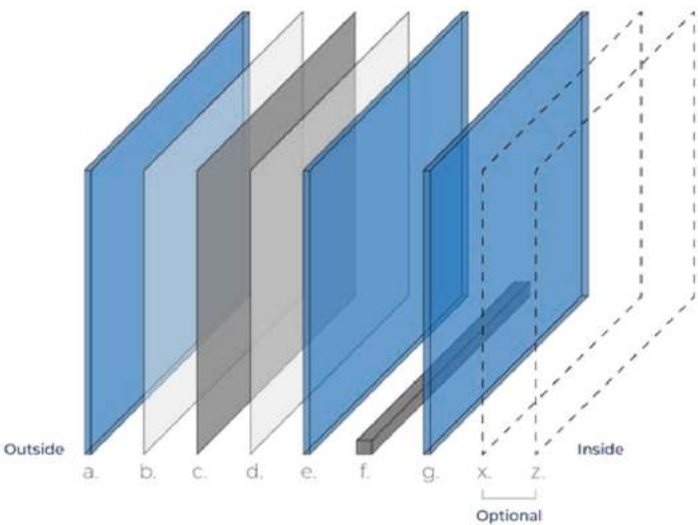
DOUBLE LAYER INSULATED GLASS UNIT (IGU)



As architectural solutions progress, Insulated Glass Units (IGUs) become a revolutionary invention that redefines the purpose of windows and facades. These state-of-the-art units, made of several glass panes divided by an insulating gas-filled gap, transform buildings with their increased comfort, noise reduction, and greater thermal efficiency. IGUs are a crucial component of sustainable and cozy living spaces since they improve energy efficiency while also adding a contemporary aesthetic touch.

This Insulated Glass Units features a Laminated Solar Glass as a first layer plus a spacer and a second Laminated Solar Glass layer. These layers can exhibit various configurations, such as the following:

DOUBLE LAYER INSULATED GLASS UNIT (IGU)	
IMPERIAL METRIC	
a./e./g.	0.11in (Opaque only), 0.15in, & 3mm (Opaque only), 4mm, & Low Iron Glass0.23in6mm
b./d./x.	Ethylene Vinyl Acetate: Good radiation Encapsulanttransmission and low degradability to sunlight as an encapsulating agent or other interlayer specified.
c.	Mono-crystalline Mono-crystalline Solar Cells(6.25in x 6.25in)(158.75mm x 158.75mm)
z.	High durability, UV resistant, PV backsheet Backsheet (Optional)
f.	Spacer0.47in, (0.23in to 0.98in)12mm, (6mm to 25mm)



GLASS TYPES

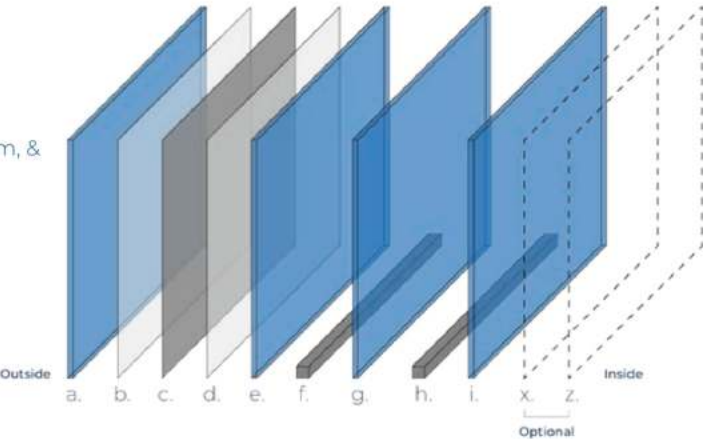
TRIPLE LAYER INSULATED GLASS UNIT (IGU)



This innovative development raises the bar for comfort and energy efficiency to never-before-seen heights. This technique, which consists of three layers of glass divided by insulating voids, raises the bar for environmental sustainability, soundproofing, and thermal insulation. For the most demanding architectural designs and ecologically sensitive settings, the triple-layer IGU is more than just a window—it's a testament to excellent performance, providing enhanced comfort, noise reduction, and exceptional energy efficiency.

This Insulated Glass Units features a Laminated Solar Glass as a first layer, a spacer, a second Laminated Solar Glass layer and a third laminated glass layer. These layers can exhibit various configurations, such as the following:

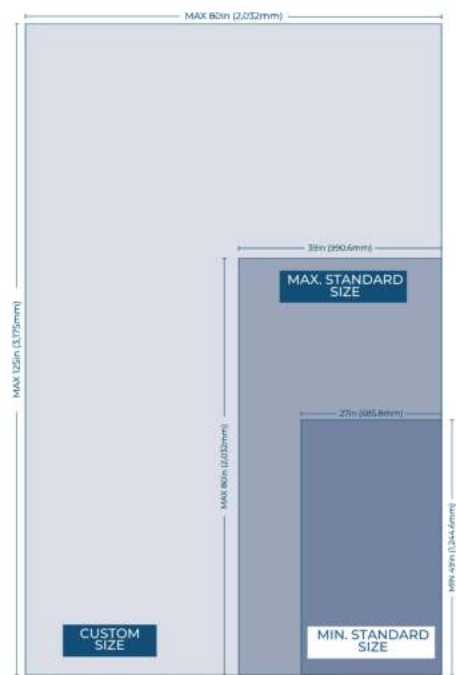
TRIPLE LAYER INSULATED GLASS UNIT (IGU)		
IMPERIAL METRIC		
a/e/g/i.		
Low Iron Glass0.11in (Opaque only), 0.15in, & 3mm (Opaque only), 4mm, & 0.23in 6mm		
b/d/x.	Ethylene Vinyl Acetate: Good radiation	
Encapsulanttransmission and low degradability to sunlight as an encapsulating agent or other interlayer specified.		
c.		
Mono-crystalline Mono-crystalline Solar Cells(6.25in x 6.25in)(158.75mm x 158.75mm)		
z.	Backsheet High durability, UV resistant, PV backsheet(Optional)	
f/h. Spacer0.47in, (0.23in to 0.98in)12mm, (6mm to 25mm)		



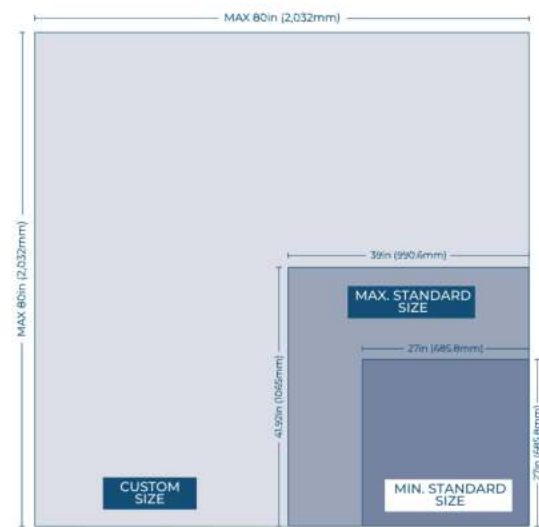
MITREX SOLAR GLASS

STANDARD AND CUSTOM SIZES

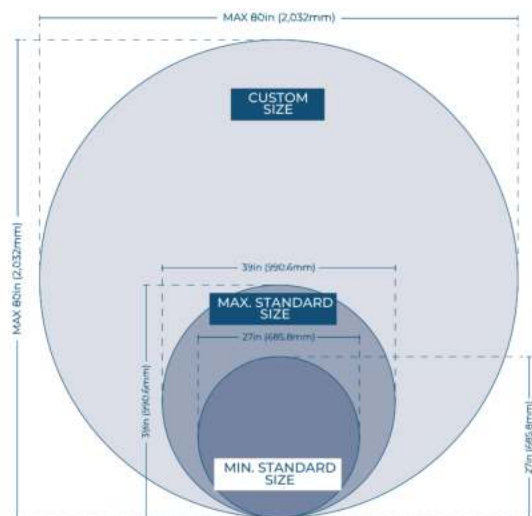
RECTANGULAR SHAPE



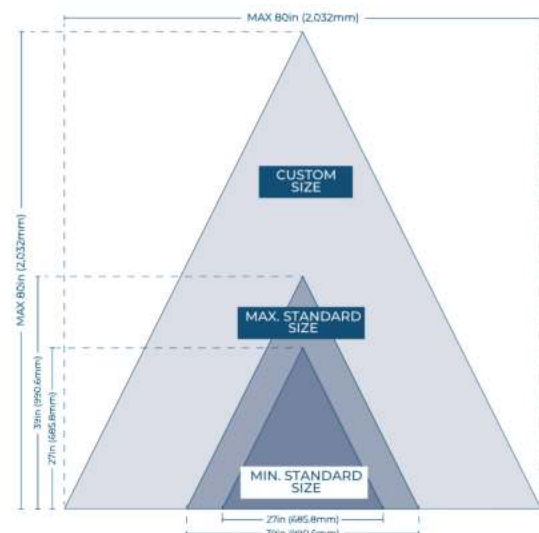
SQUARE SHAPE



CIRCULAR SHAPE



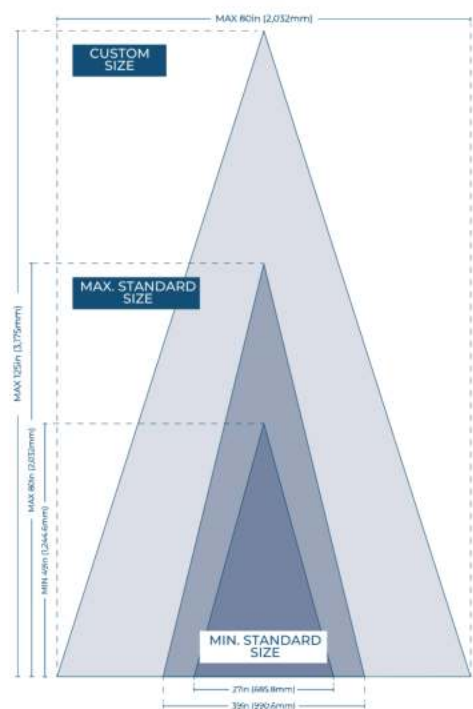
EQUILATERAL TRIANGLE SHAPE



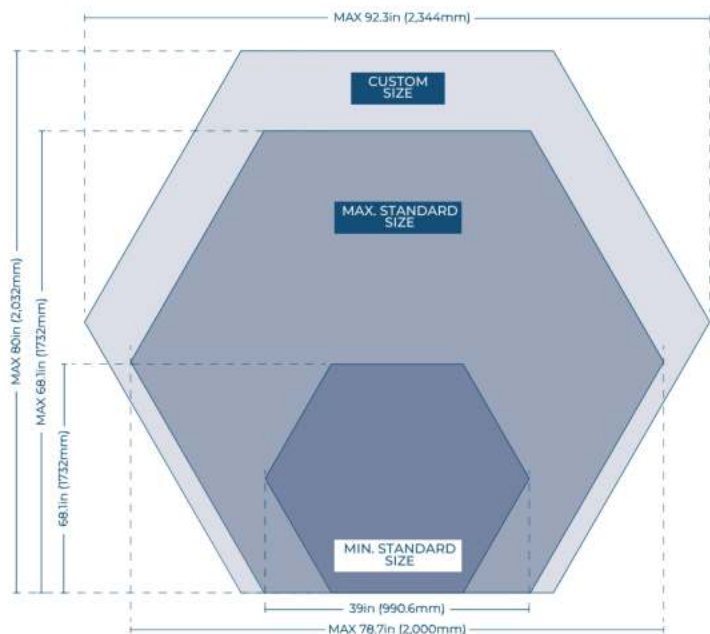
MITREX SOLAR GLASS

STANDARD AND CUSTOM SIZES

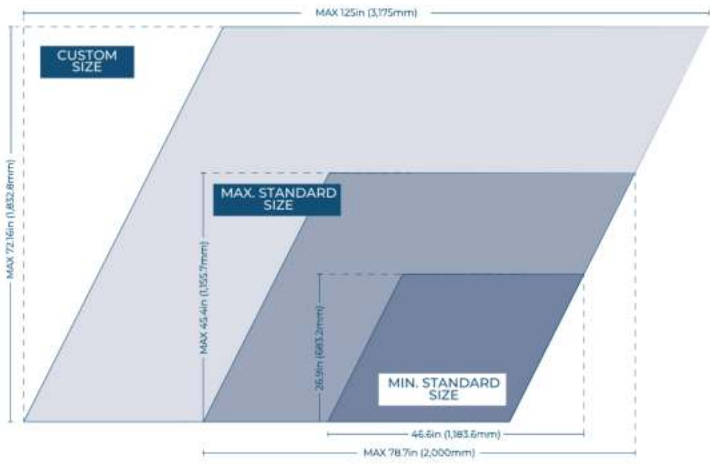
ISOSCELES TRIANGLE SHAPE



HEXAGONAL SHAPE



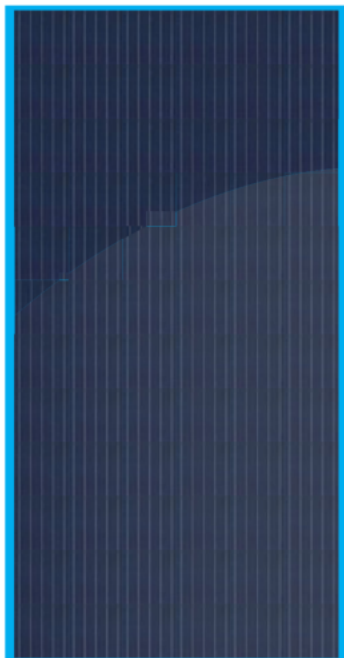
PARALLELOGRAM SHAPE



GLASS SHAPES

RECTANGULAR

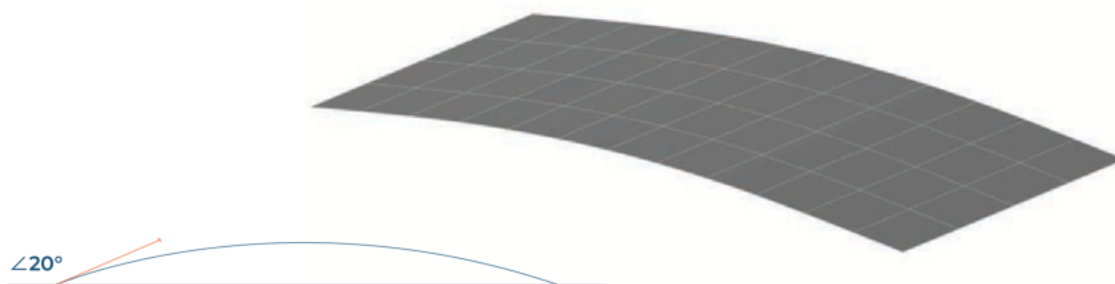
FLAT STANDARD SIZE



Mitrex standard flat glass panels serve as versatile canvases for integrating various solar cell arrangements, providing a spectrum of options for harnessing solar energy.

CURVED STANDARD SIZE

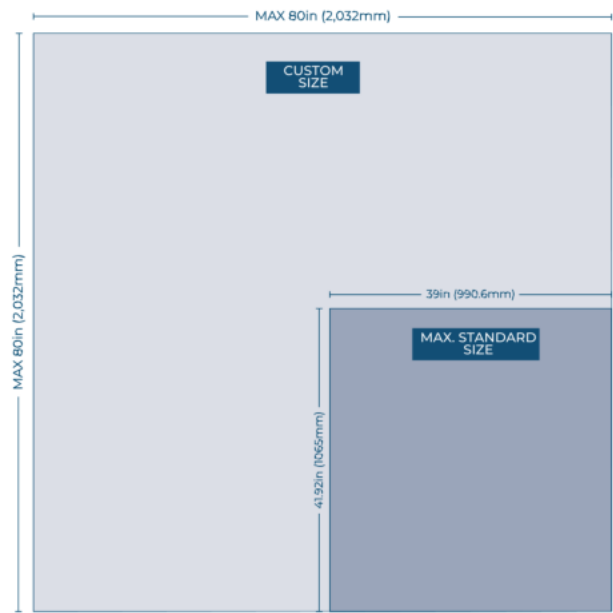
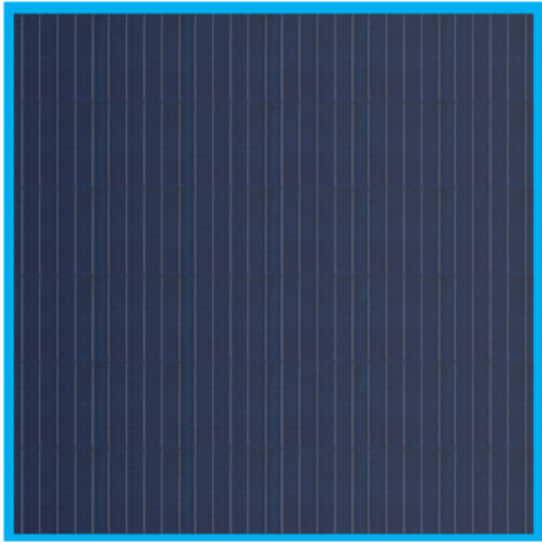
Mitrex standard curved glass panel, set at a subtle 20-degree angle, offers a sleek and contemporary aesthetic while also providing a unique platform for solar cell arrangements. Different solar cell configurations can be strategically placed across the glass surface, maximizing sunlight absorption throughout the day.



GLASS SHAPES

SQUARE

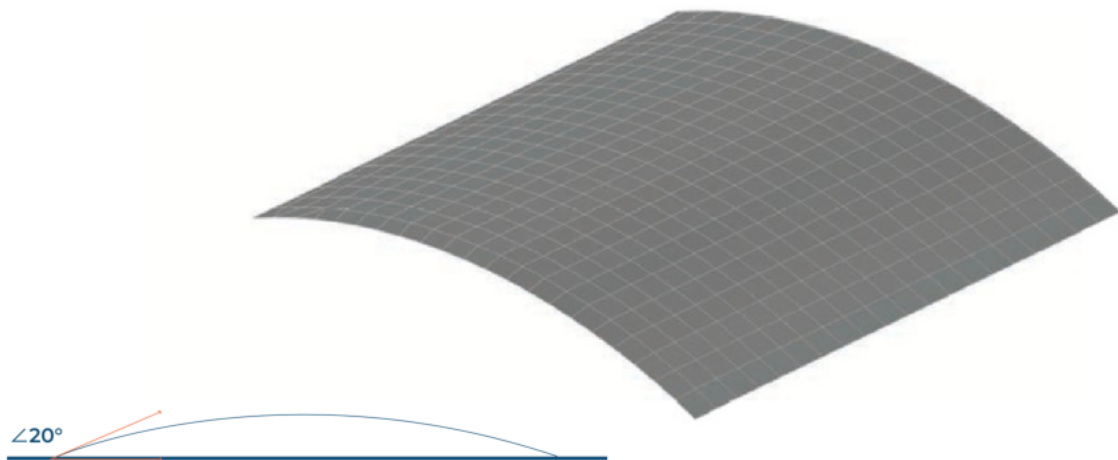
FLAT STANDARD SIZE



Mitrex's square-shaped flat glass panels offer a flexible platform for incorporating different configurations of solar cells, presenting a wide range of possibilities for capturing solar energy.

CURVED STANDARD SIZE

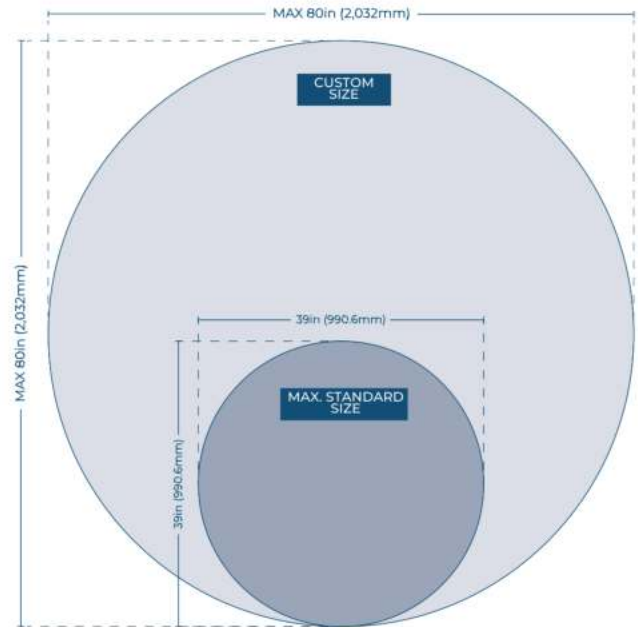
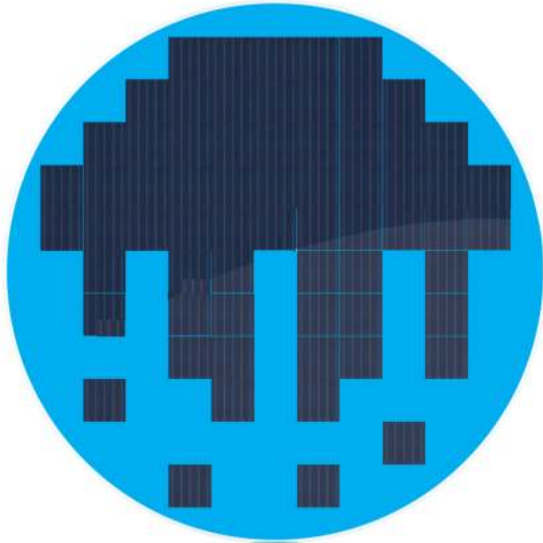
Mitrex's square-shaped curved glass panels, angled at 20 degrees, offer a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.



GLASS SHAPES

CIRCULAR

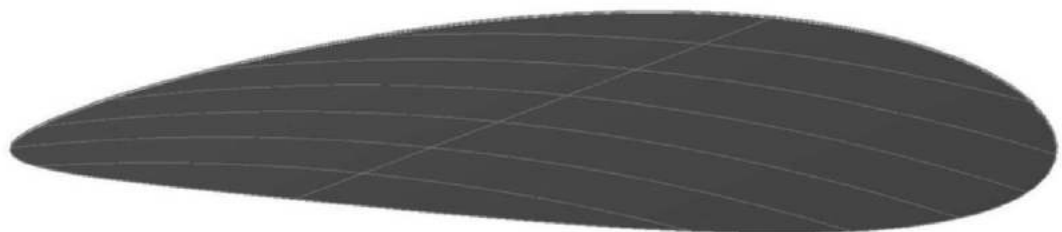
FLAT STANDARD SIZE



Mitrex's circular-shaped flat glass panels provide versatility for integrating various arrangements of solar cells, offering numerous opportunities to capture solar energy.

CURVED STANDARD SIZE

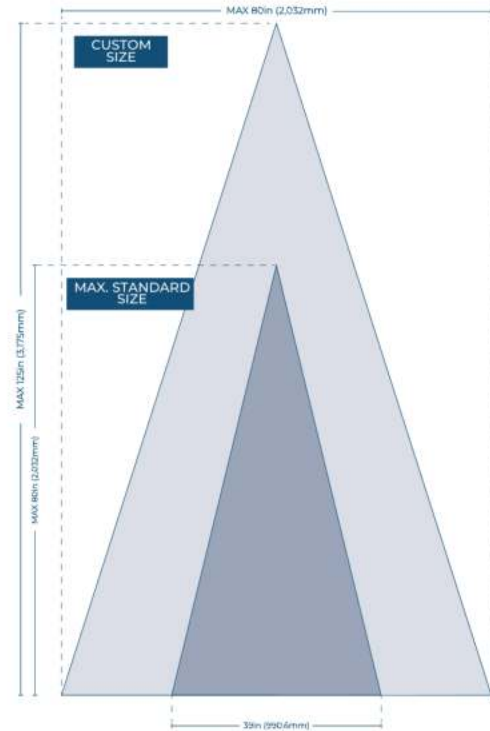
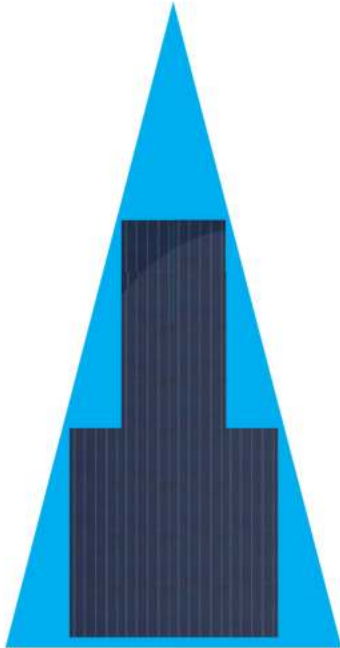
Mitrex circular-shaped curved glass panel, set at a subtle 20-degree angle, offers a sleek and contemporary aesthetic while also providing a unique platform for solar cell arrangements. Different solar cell configurations can be strategically placed across the glass surface, maximizing sunlight absorption throughout the day.



GLASS SHAPES

ISOSCELES TRIANGLE

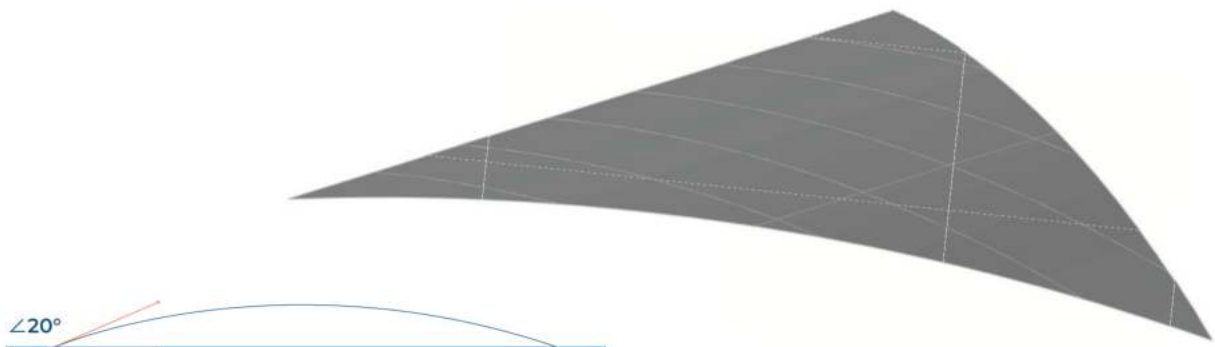
FLAT STANDARD SIZE



Mitrex Isosceles flat glass panels offer distinct design possibilities for integrating diverse solar cell arrangements, catering to both aesthetic appeal and power optimization. The isosceles panels, with their asymmetrical shape, enable creative placements of solar cells, allowing for unique and unconventional configurations that can enhance the visual appeal of structures.

CURVED STANDARD SIZE

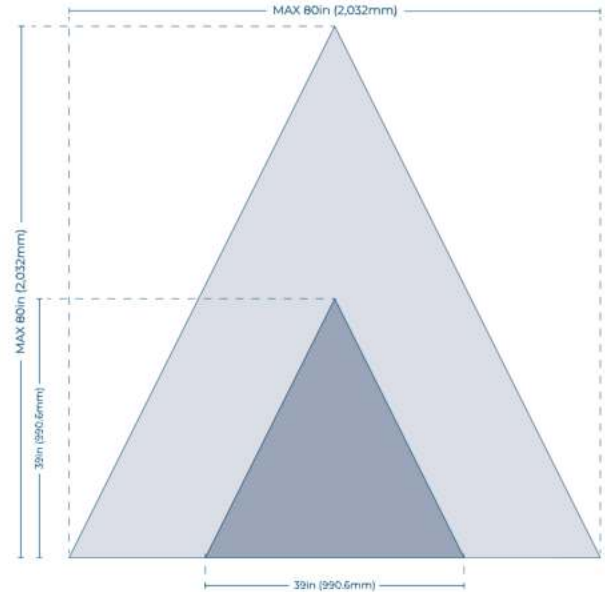
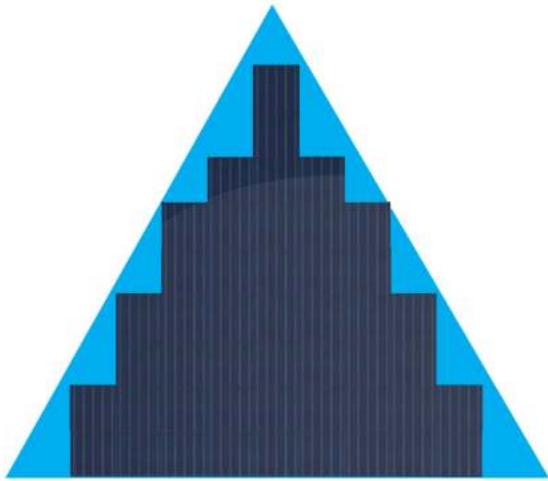
Mitrex's triangular-shaped curved glass panels, angled at 20 degrees, offer a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.



GLASS SHAPES

EQUILATERAL TRIANGLE

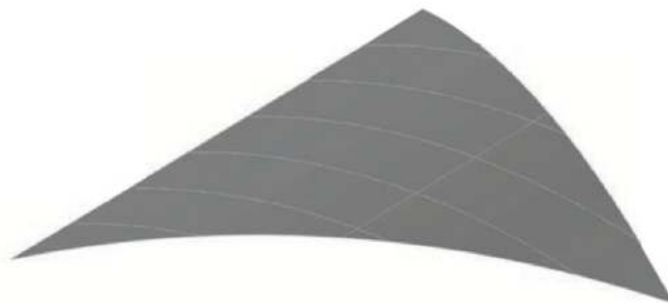
FLAT STANDARD SIZE



Mitrex equilateral flat glass panels offer distinct design possibilities for integrating diverse solar cell arrangements, catering to both aesthetic appeal and power optimization. Equilateral panels, on the other hand, provide a symmetrical and uniform canvas for arranging solar cells in standard or tailored patterns, maximizing power generation while maintaining a clean and consistent design.

CURVED STANDARD SIZE

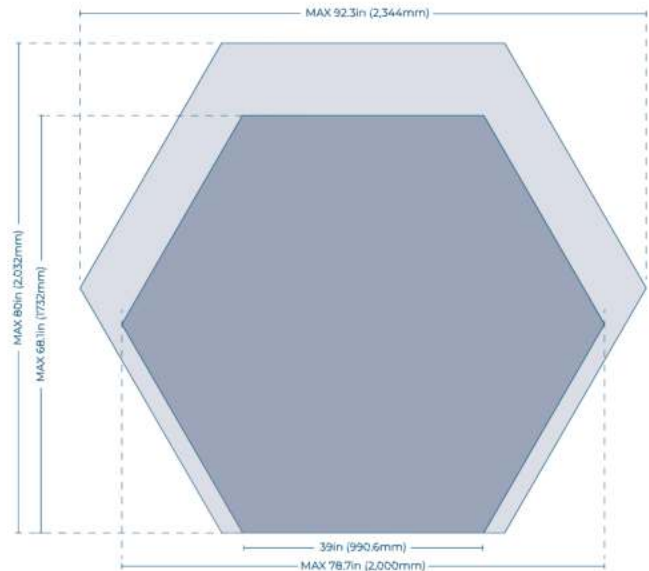
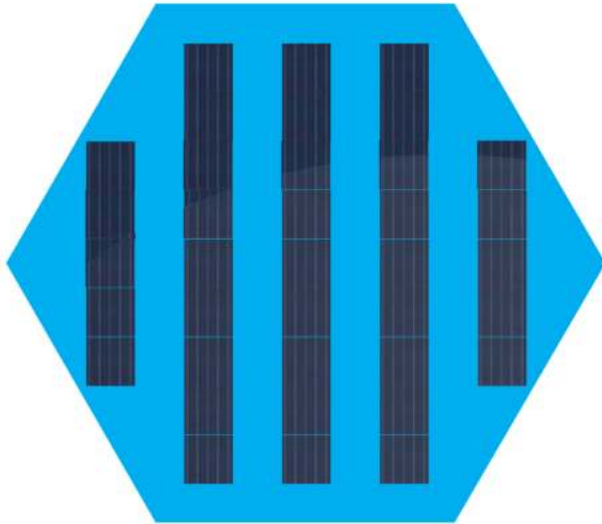
Mitrex's triangular-shaped curved glass panels, angled at 20 degrees, offer a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.



GLASS SHAPES

HEXAGONAL

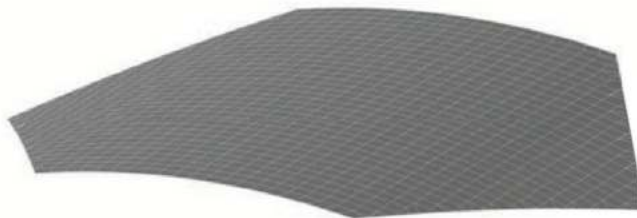
FLAT STANDARD SIZE



Mitrex hexagonal glass shapes represent a dynamic canvas for integrating diverse solar cell arrangements, offering an innovative blend of design flexibility and enhanced power generation. The unique geometry of hexagonal panels allows for creative configurations of solar cells, adapting seamlessly to unconventional patterns that augment both the aesthetics and functionality of installations.

CURVED STANDARD SIZE

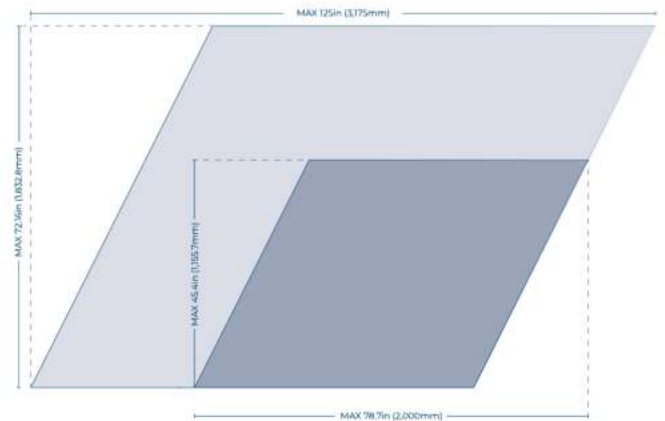
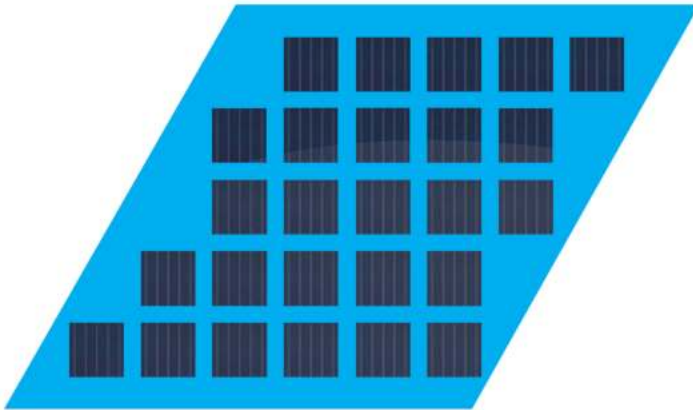
Mitrex's hexagonal-shaped curved glass panels, angled at 20 degrees, offer a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.



GLASS SHAPES

PARALLELOGRAM

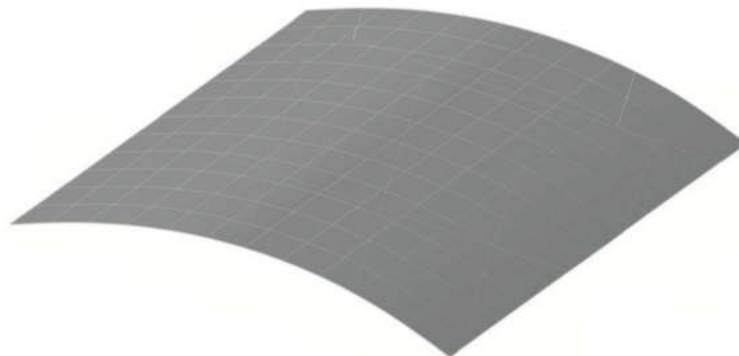
FLAT STANDARD SIZE



Mitrex parallelogram-shaped glass panels introduce a new dimension of design versatility, offering a canvas for diverse solar cell arrangements that amplify both the aesthetic allure and energy efficiency of structures. The unique angles and lines of parallelogram panels provide an unconventional yet adaptable space for creative configurations of solar cells. This shape allows for tailored arrangements, maximizing exposure to sunlight and optimizing energy generation.

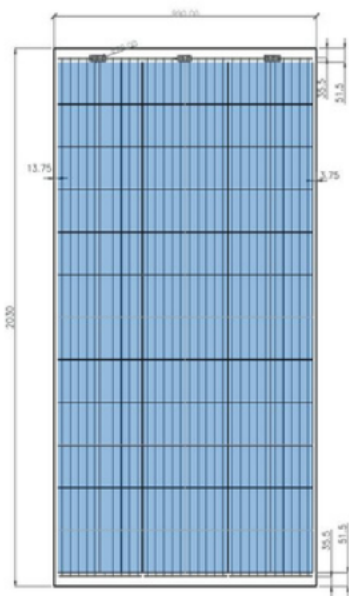
CURVED STANDARD SIZE

Mitrex's parallelogram-shaped curved glass panels, angled at 20 degrees, offer a sleek design and a unique platform for placing solar cells strategically, maximizing sunlight absorption.

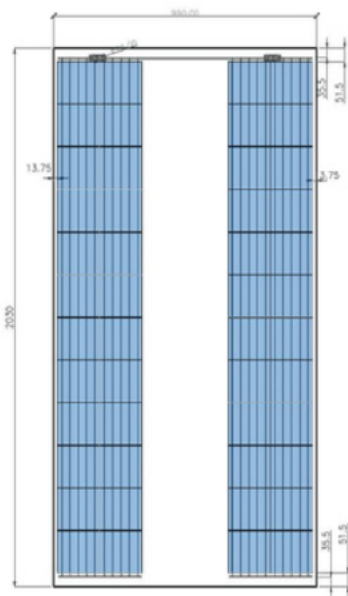


CELL ARRANGEMENTS

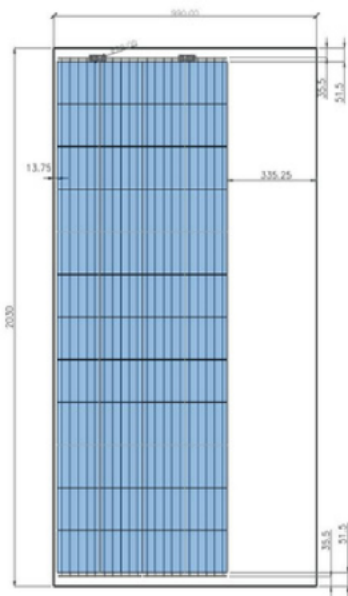
RECTANGULAR SHAPE



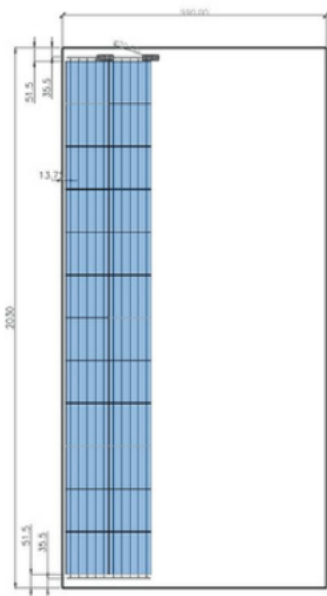
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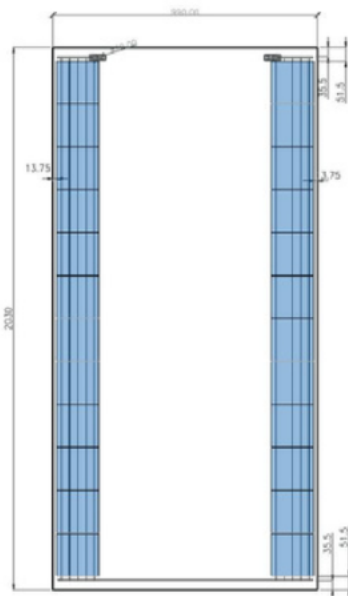
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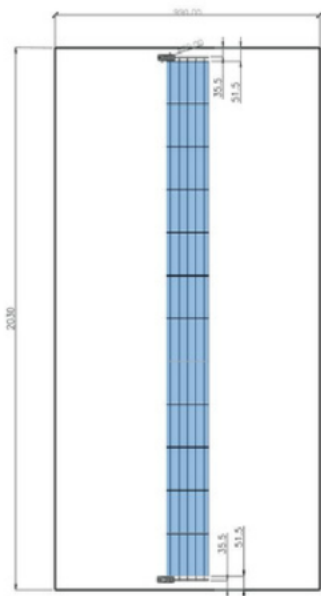
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A4



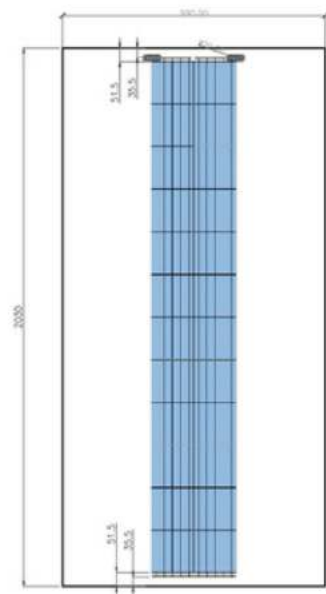
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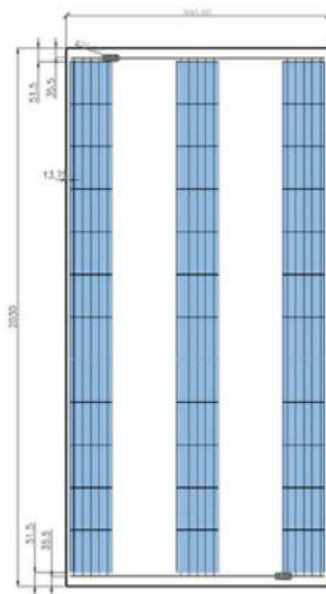
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CELL ARRANGEMENTS

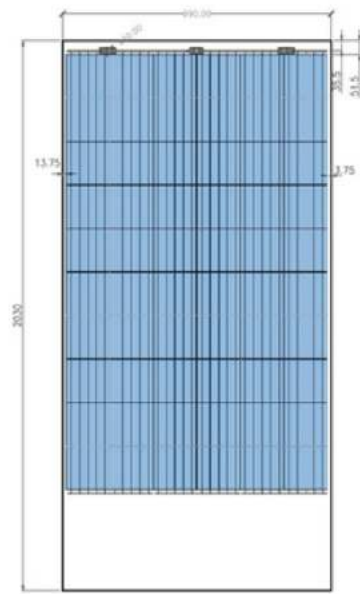
RECTANGULAR SHAPE



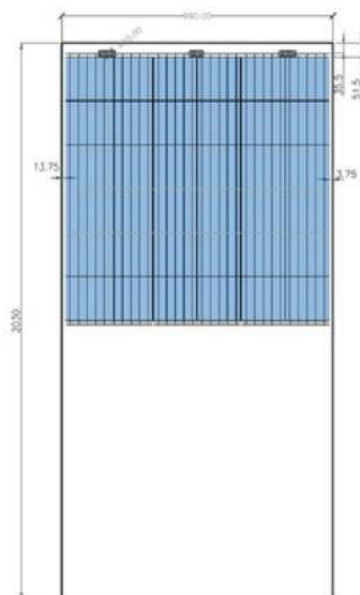
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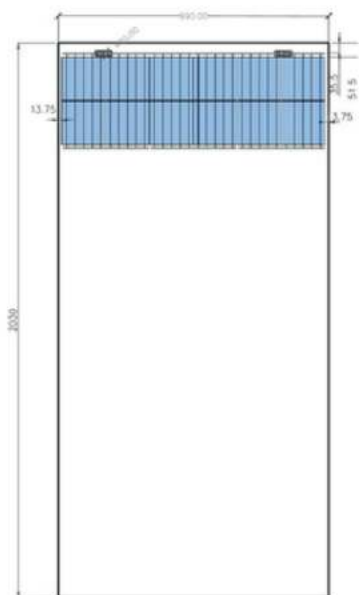
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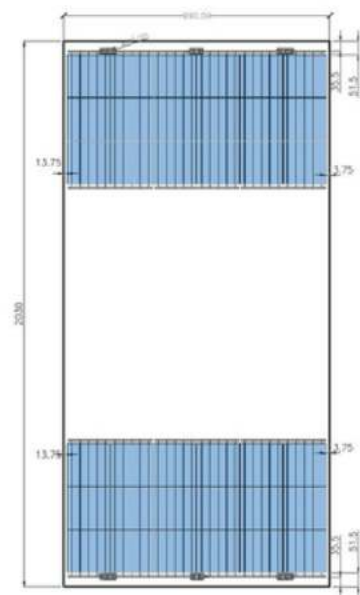
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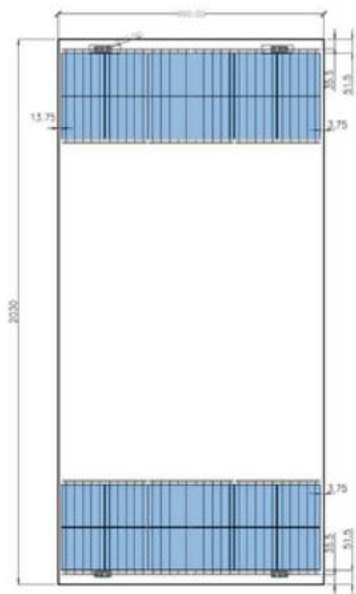


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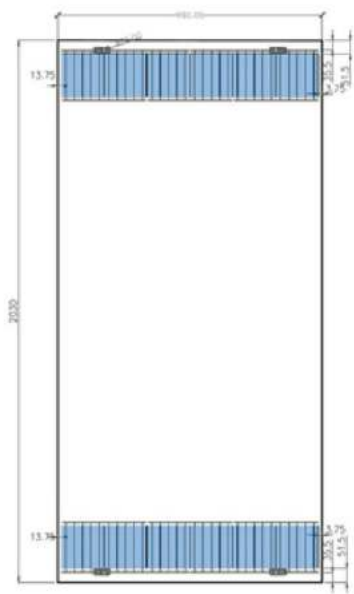


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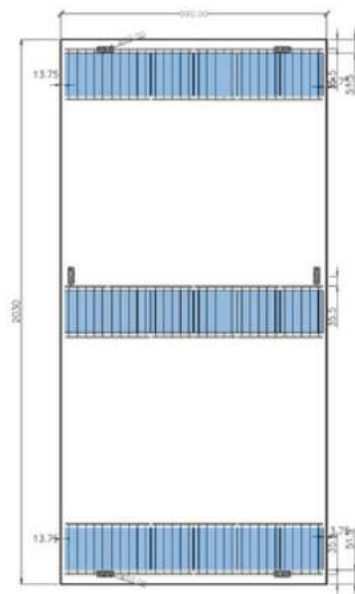
RECTANGULAR SHAPE



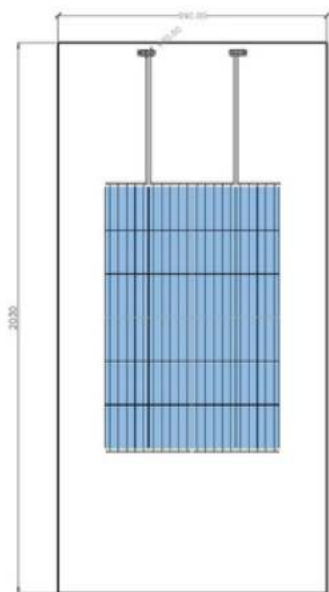
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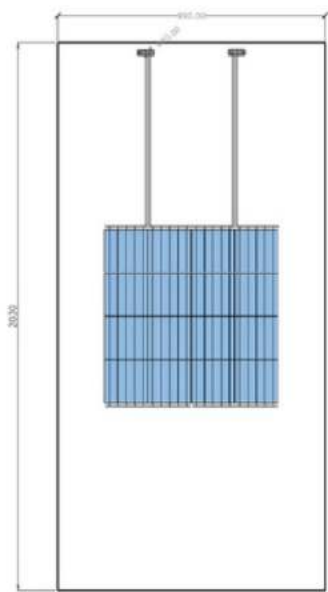
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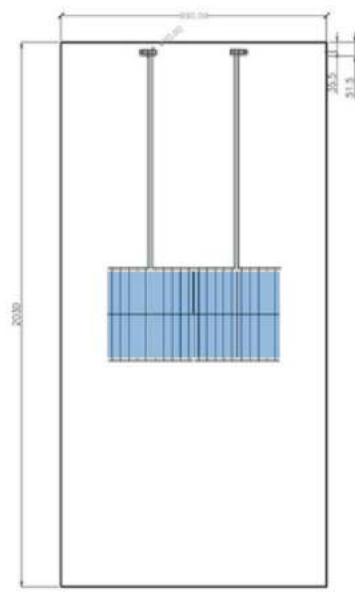
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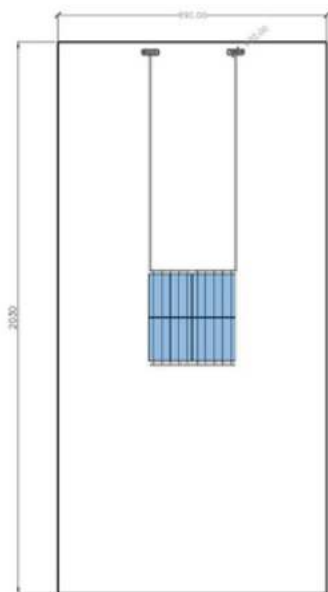
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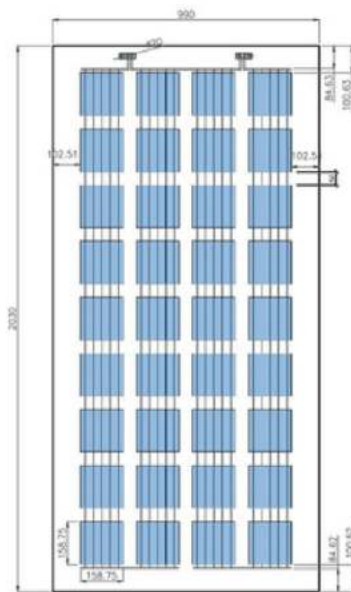
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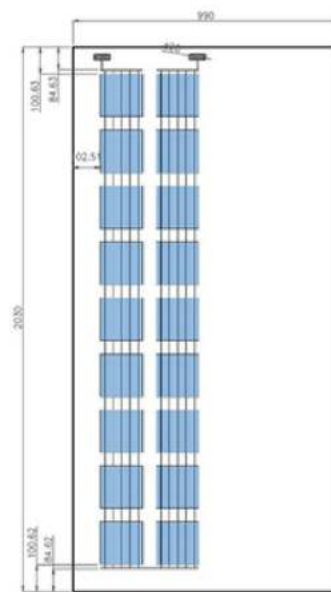
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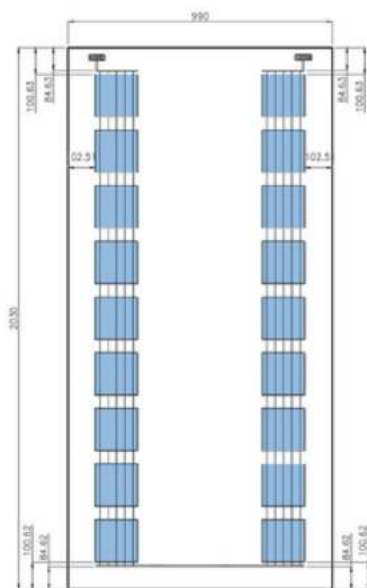
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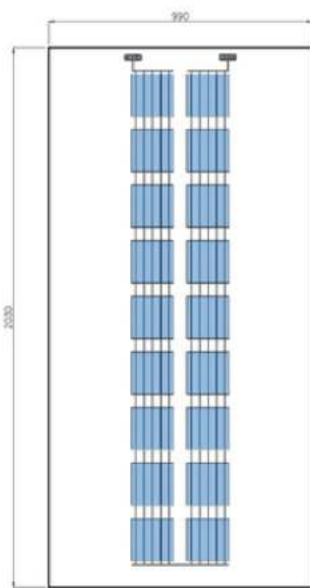
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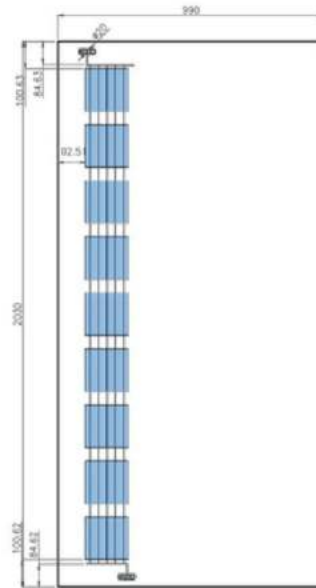
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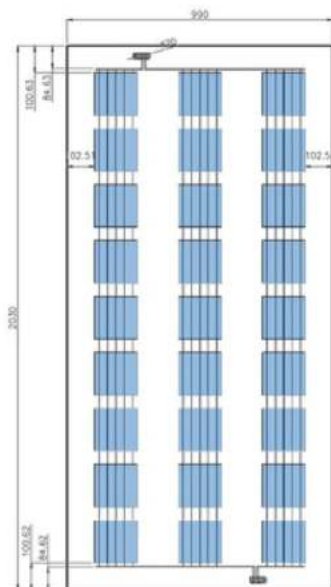
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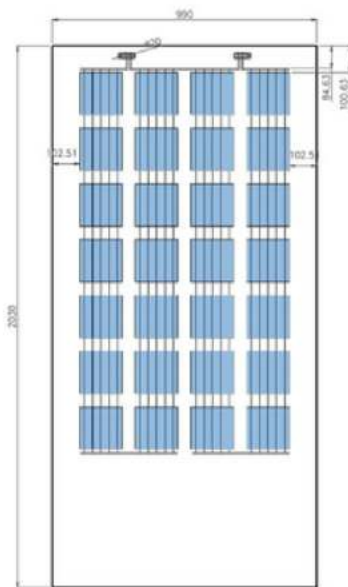
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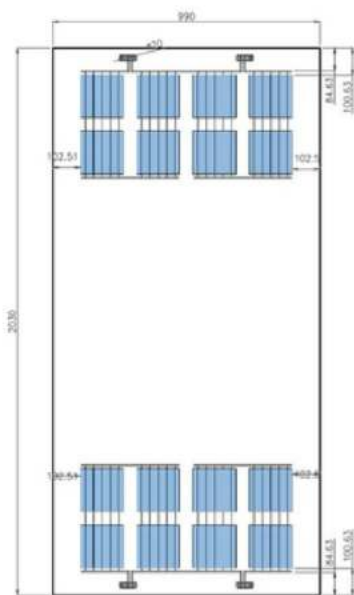
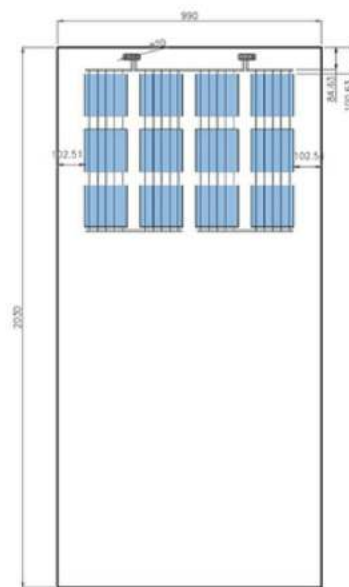
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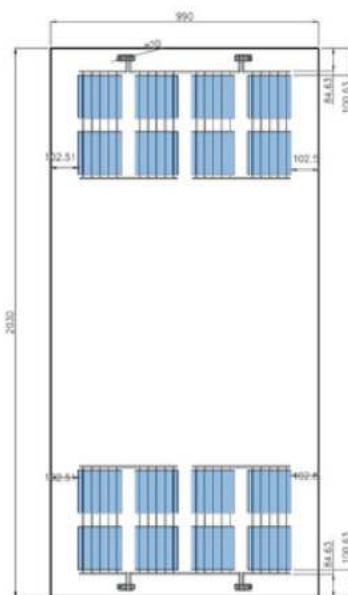
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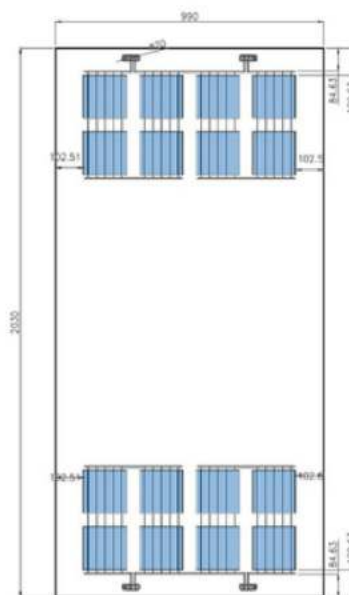
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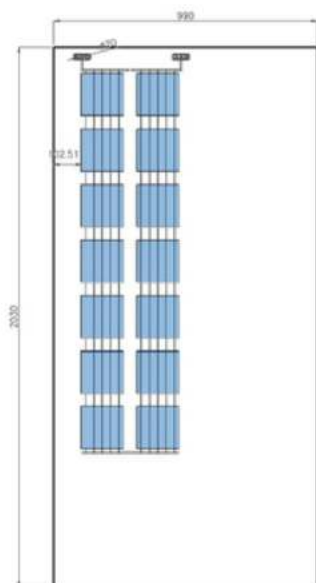
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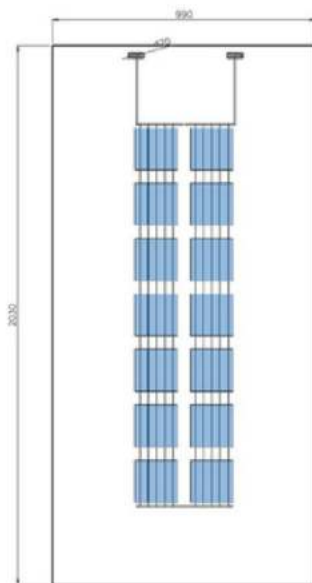
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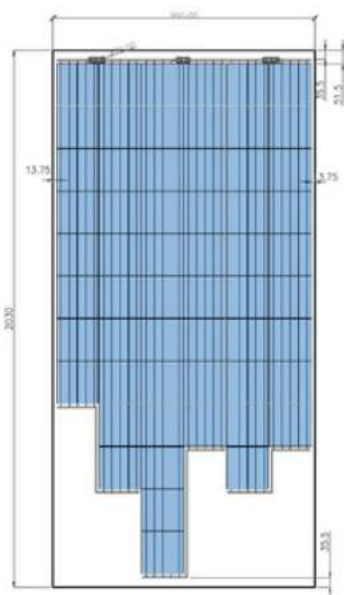
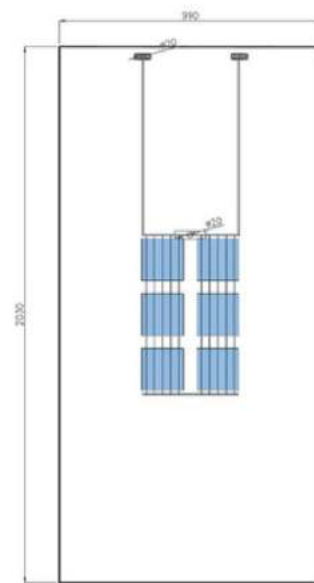
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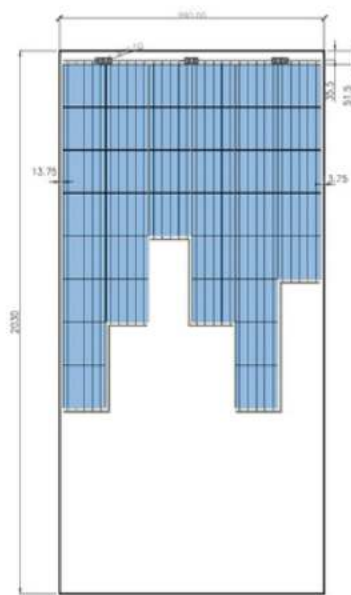
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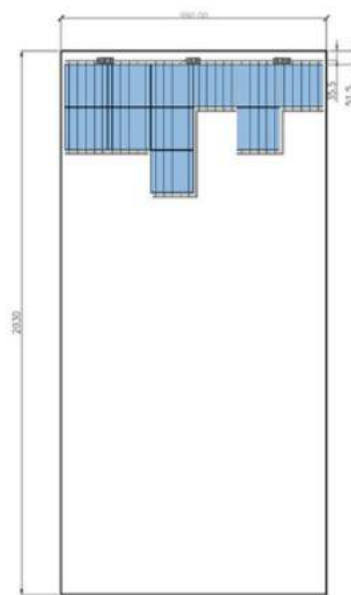
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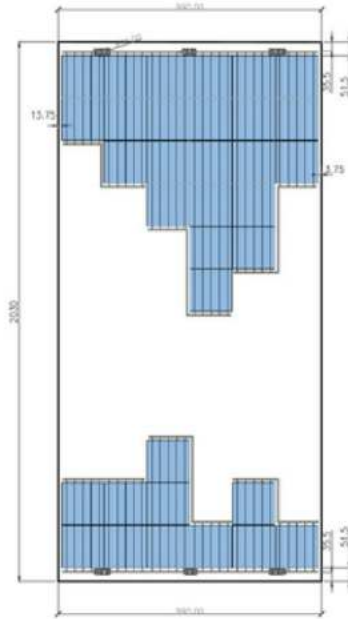
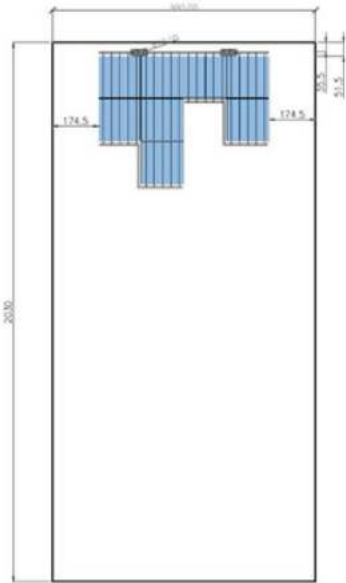


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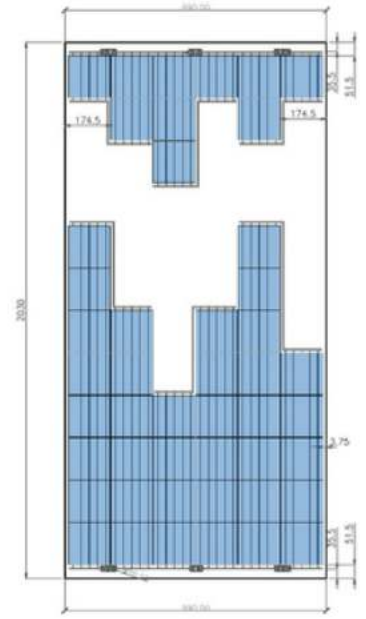


A43

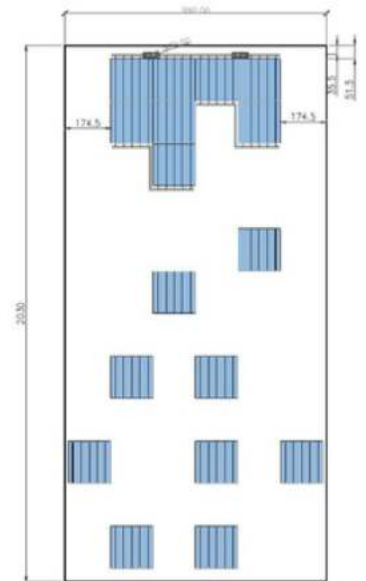
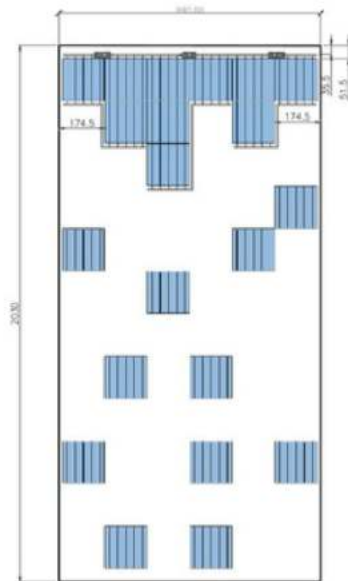
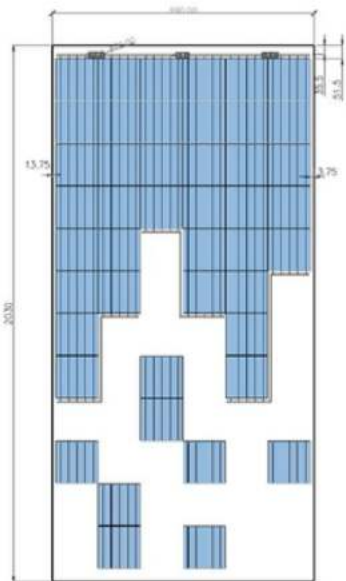




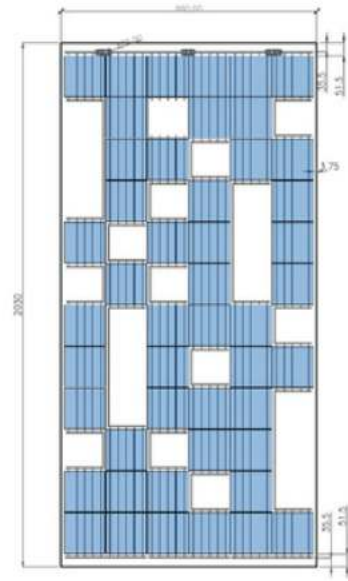
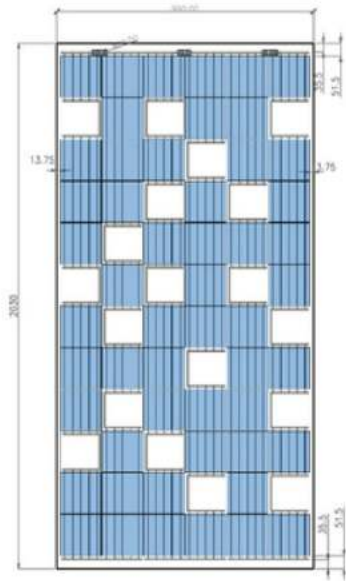
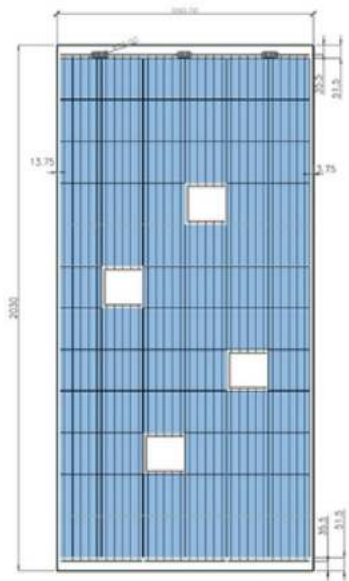
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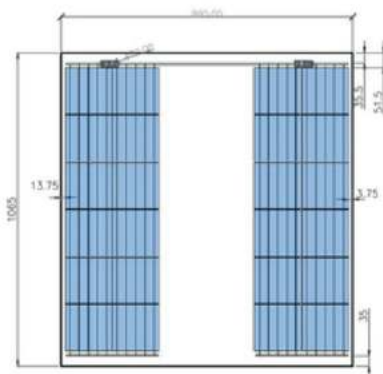
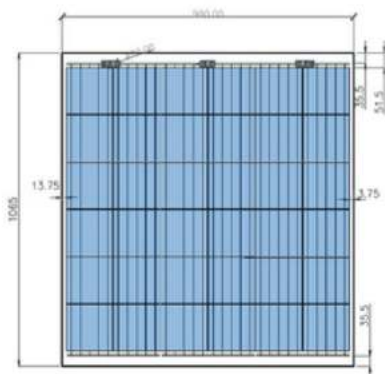


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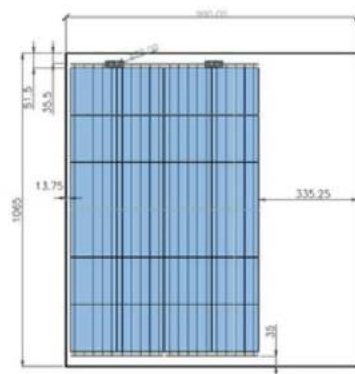


A53

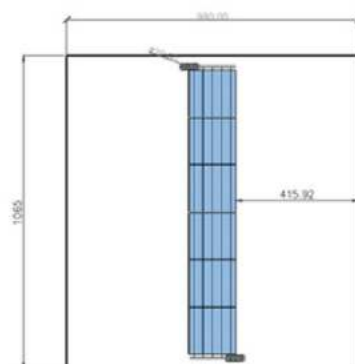
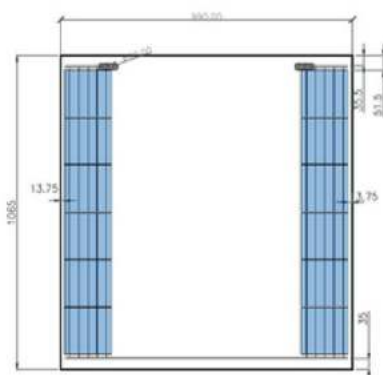
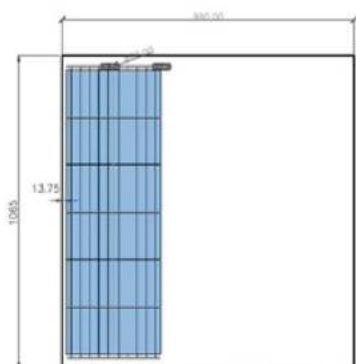




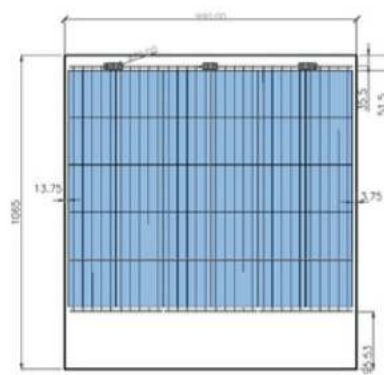
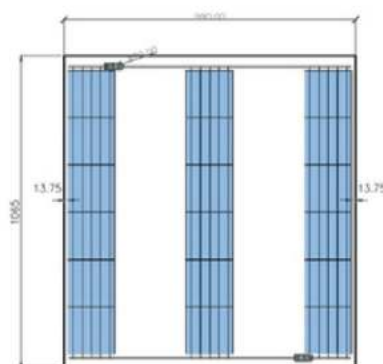
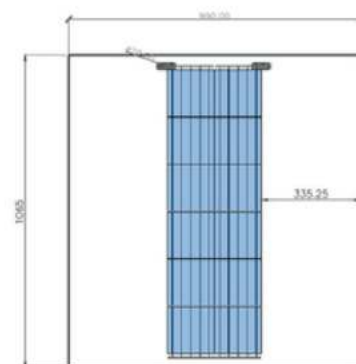
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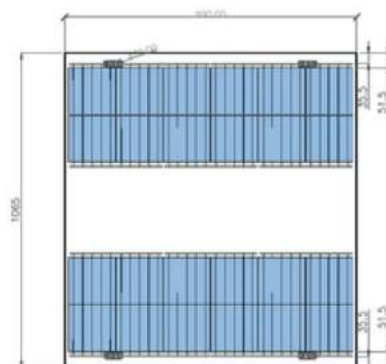
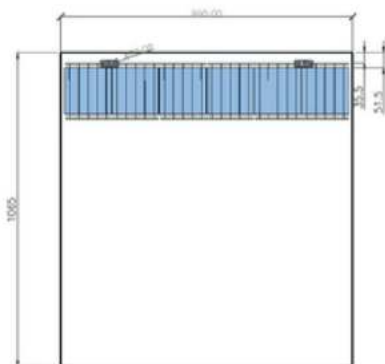
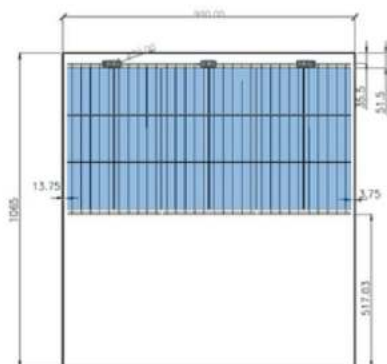
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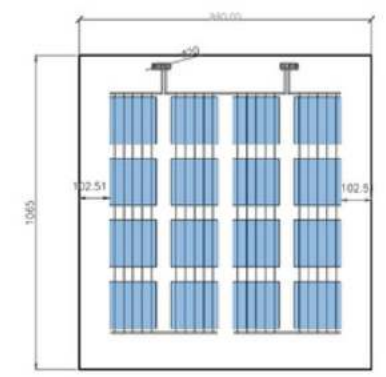
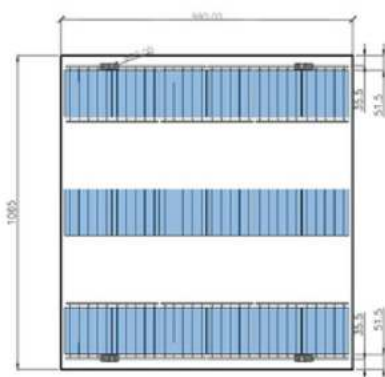
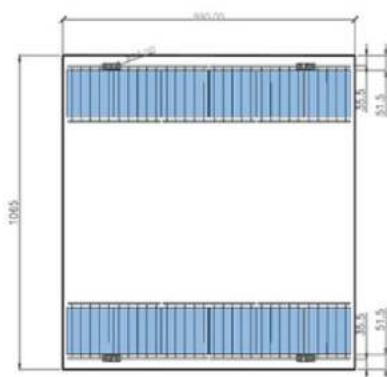
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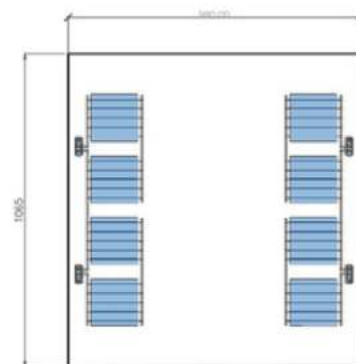
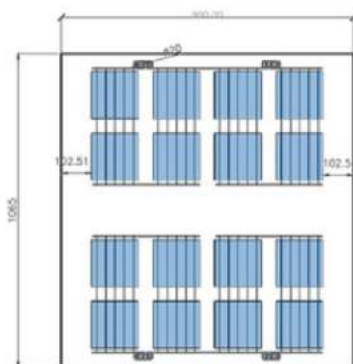
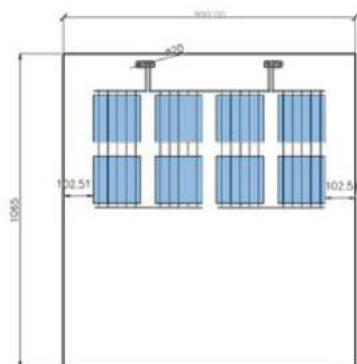
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B24



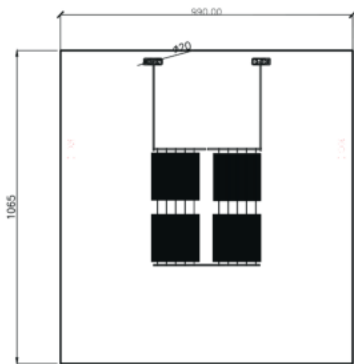
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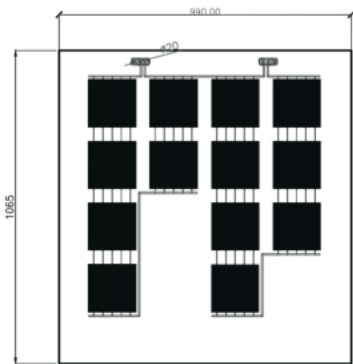
B34

CELL ARRANGEMENTS

SQUARE SHAPE



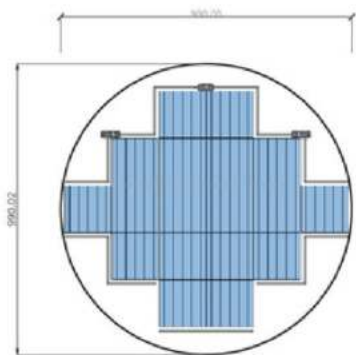
B35



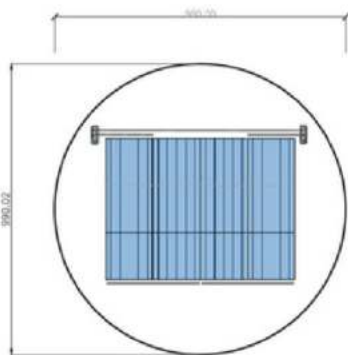
B36

CELL ARRANGEMENTS

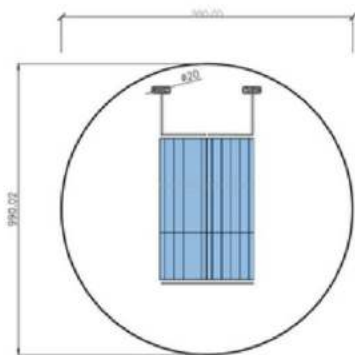
CIRCULAR SHAPE



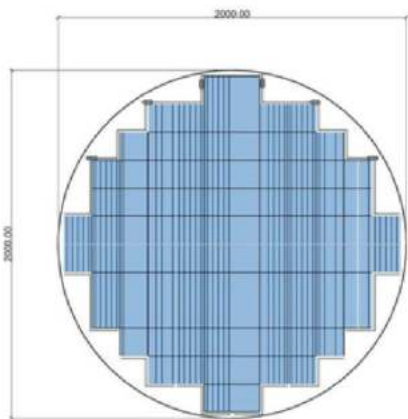
C11



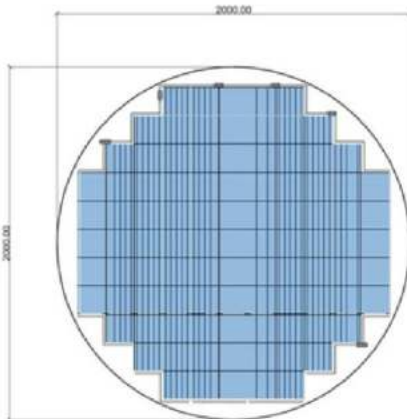
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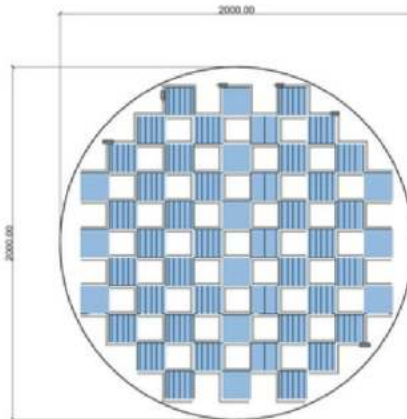
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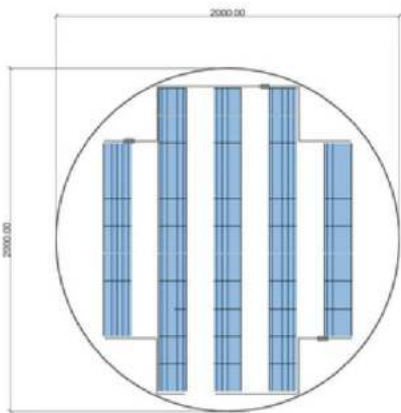
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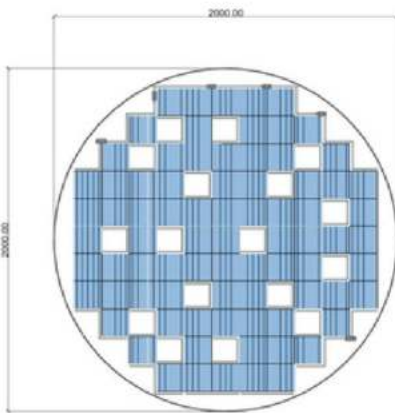
C22



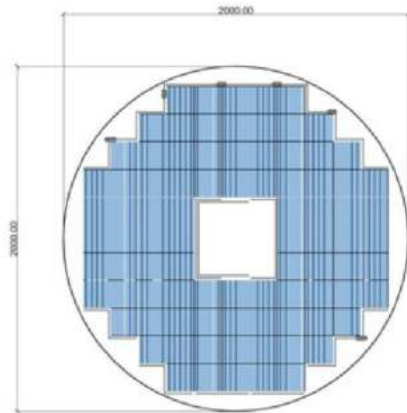
C23



C24



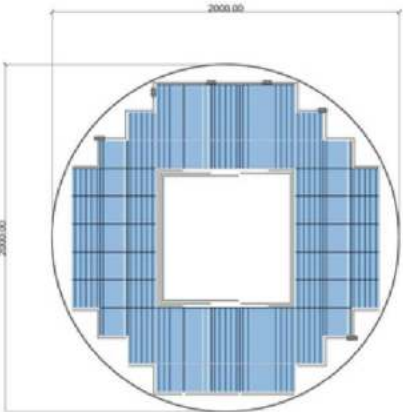
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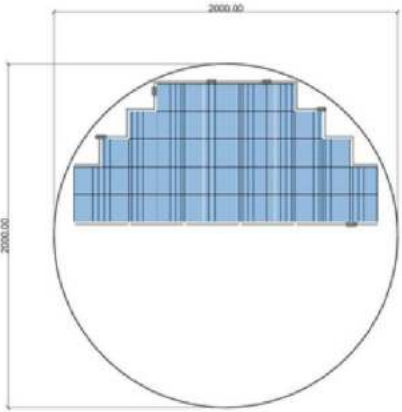
C31

CELL ARRANGEMENTS

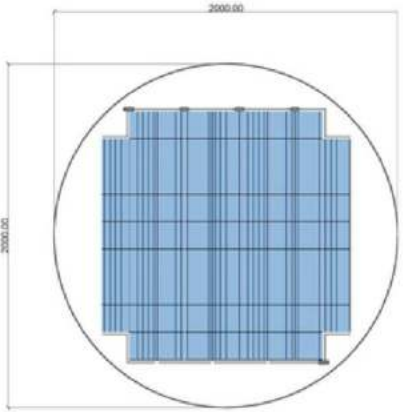
CIRCULAR SHAPE



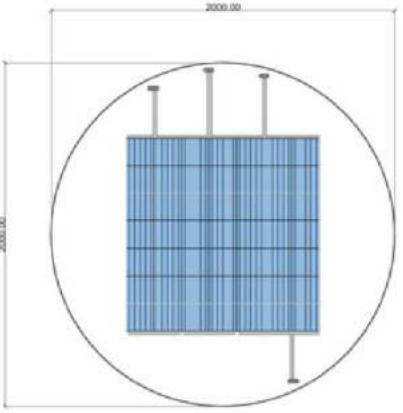
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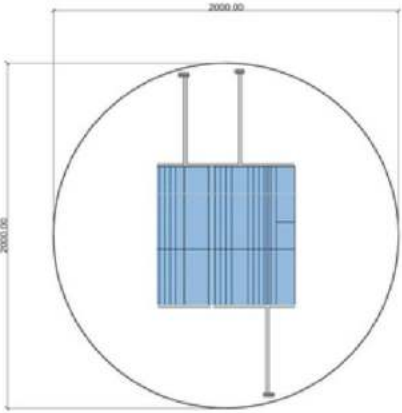
C33



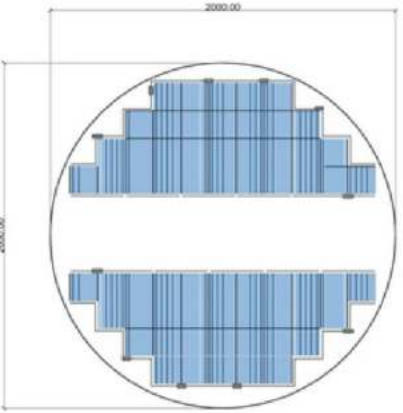
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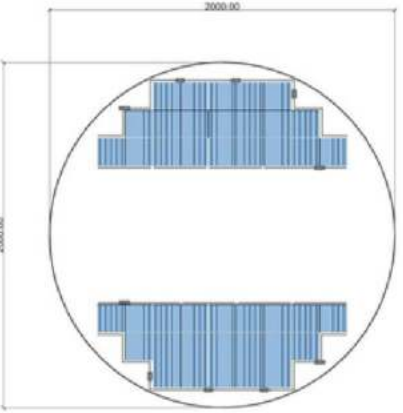
C35



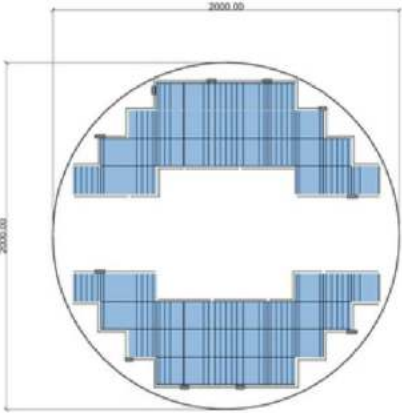
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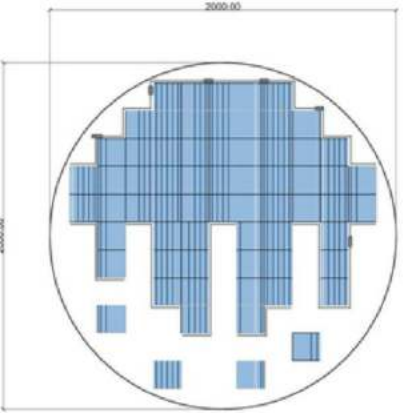
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C42

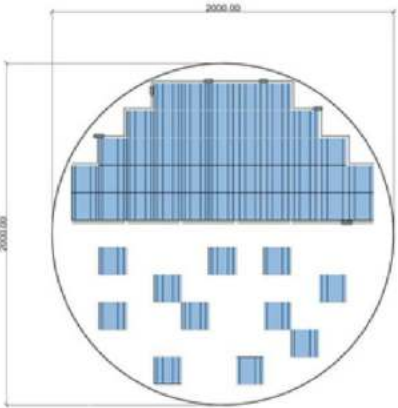


C43

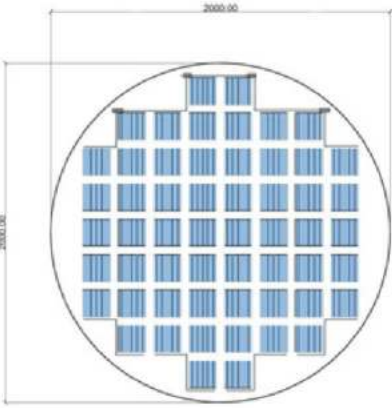


C51

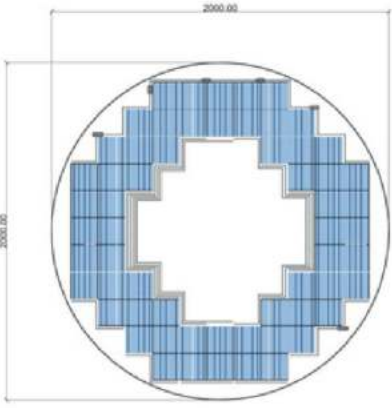
CIRCULAR SHAPE



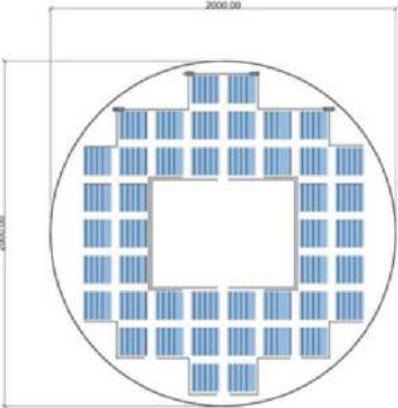
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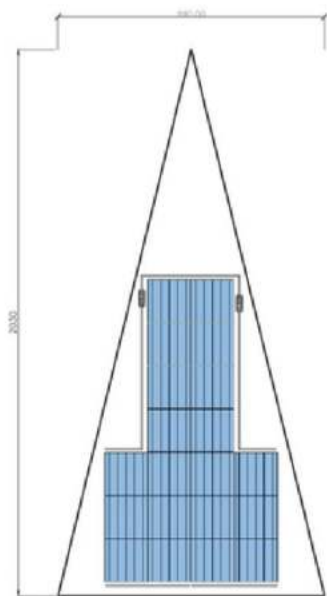
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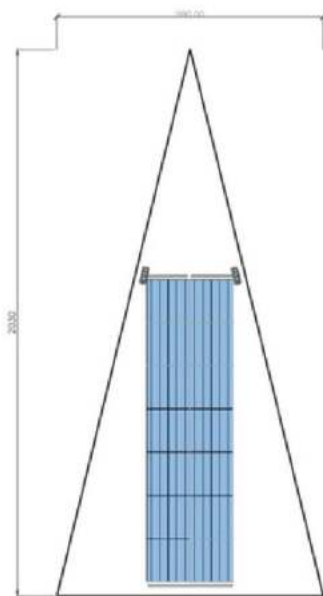
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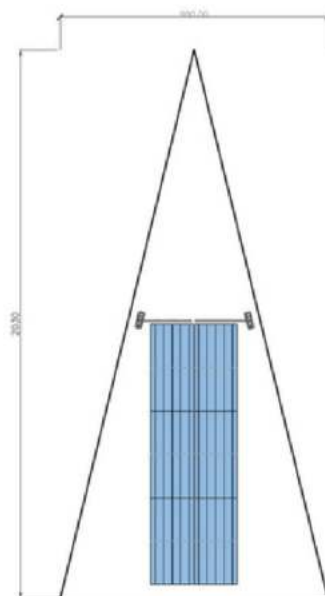
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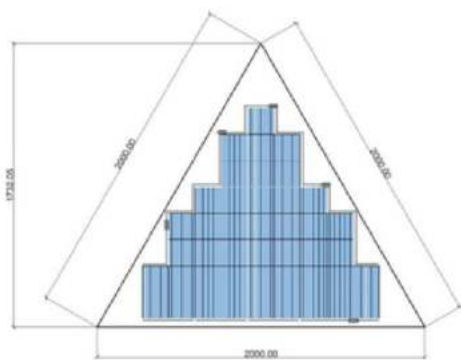
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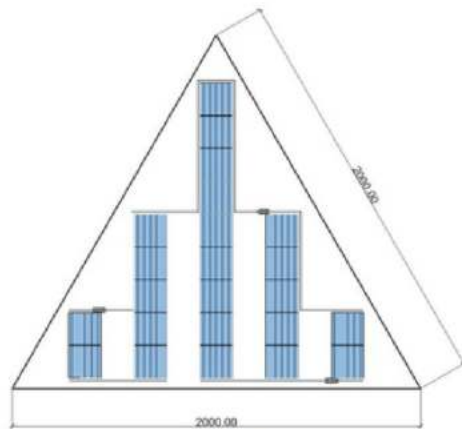
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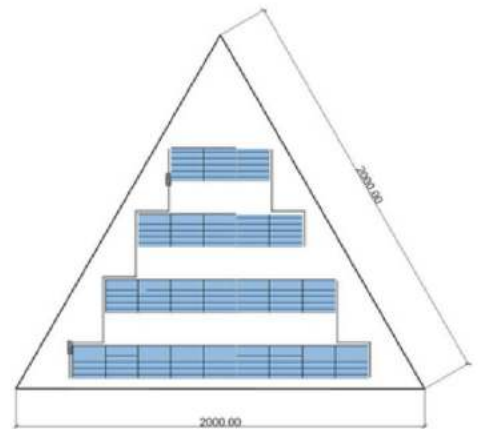
C16



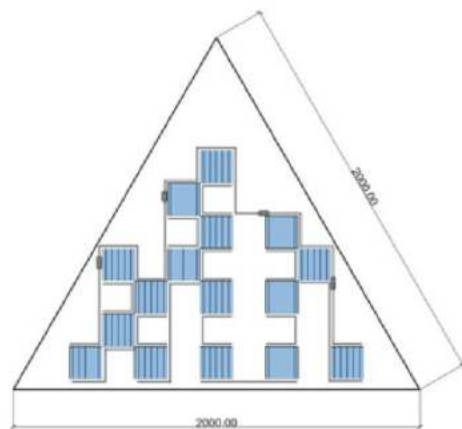
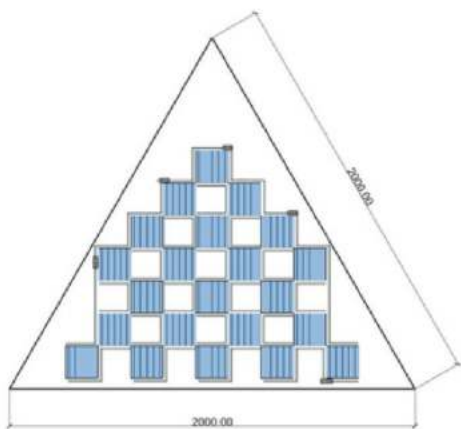
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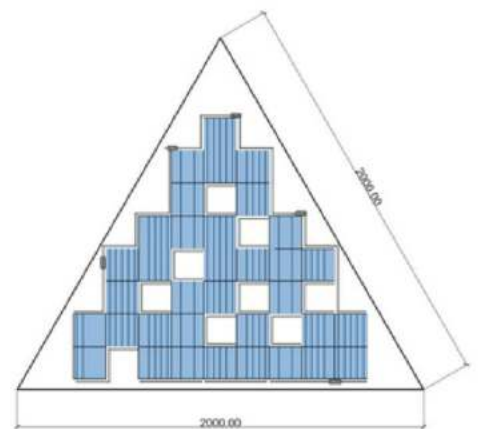
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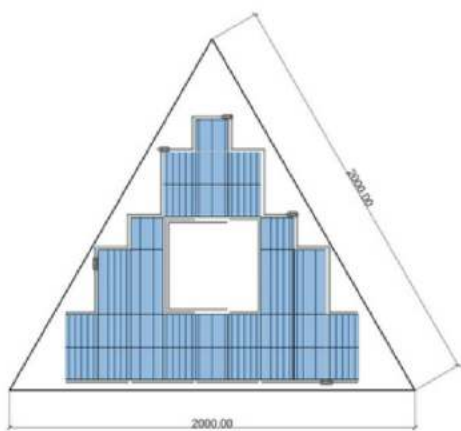
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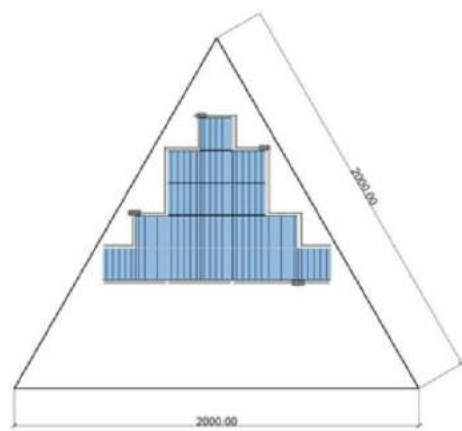
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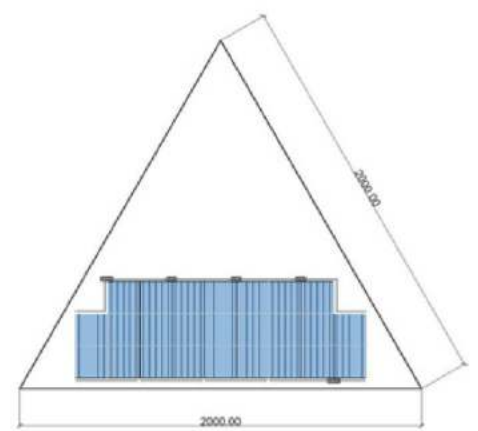
C66



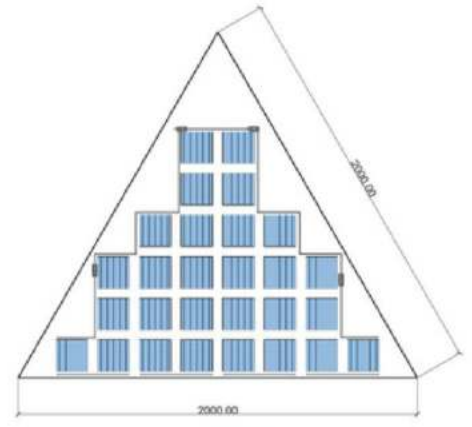
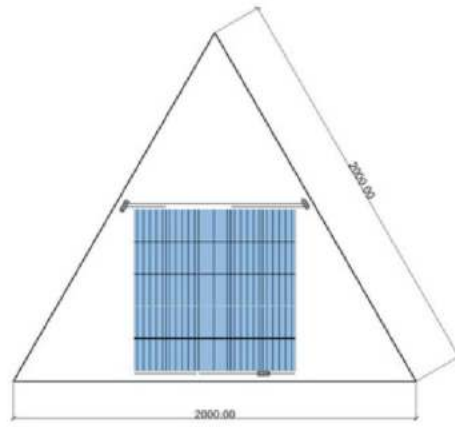
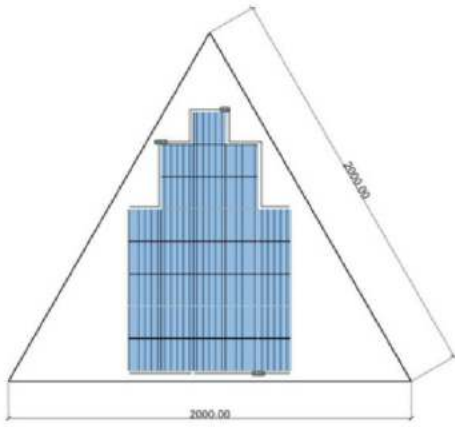
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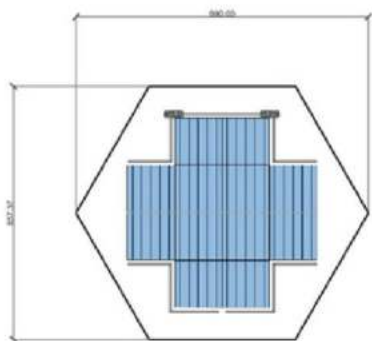
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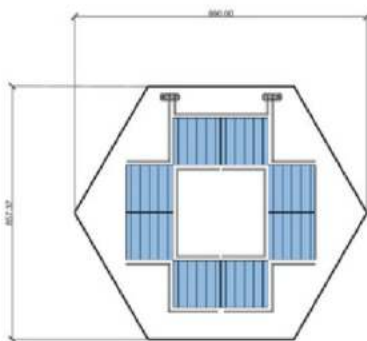
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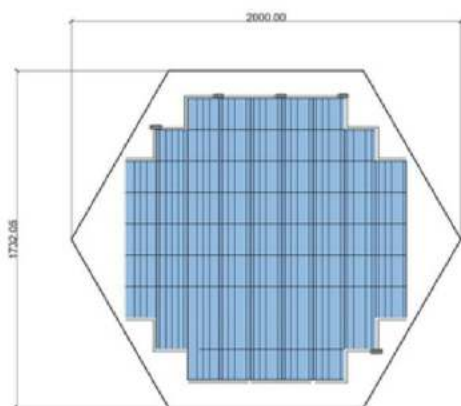
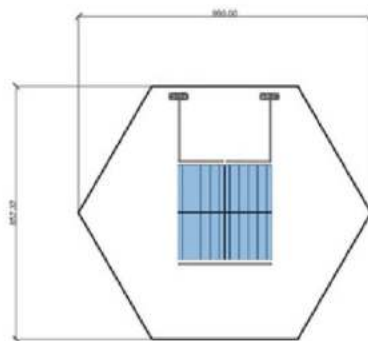
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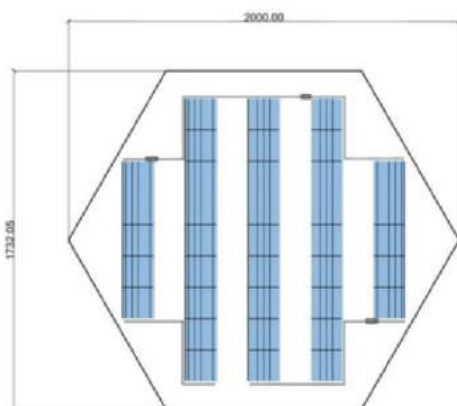
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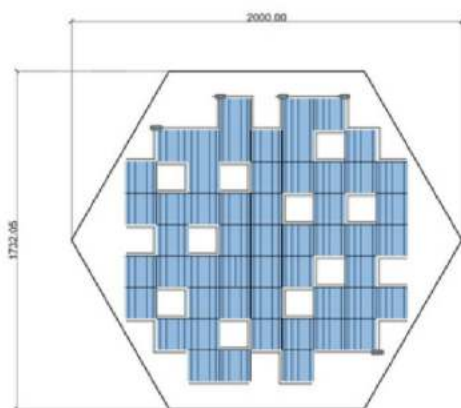
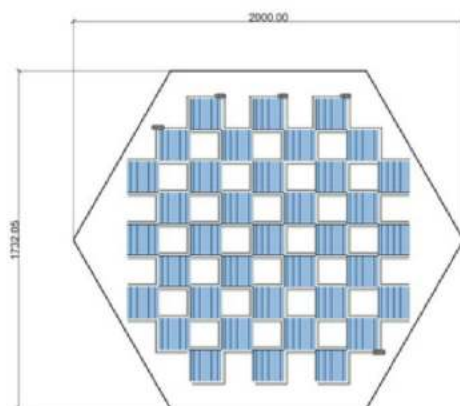
C19



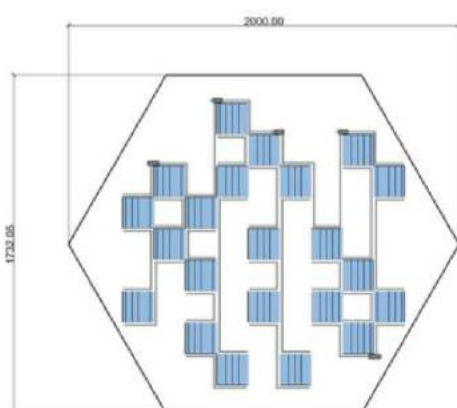
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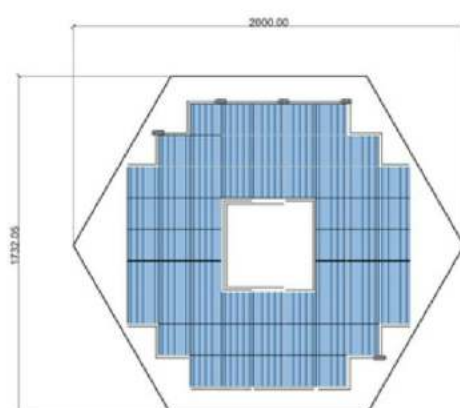
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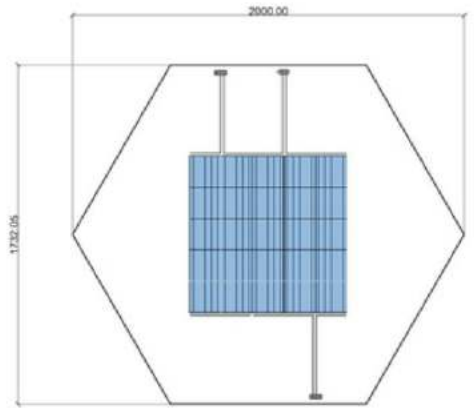
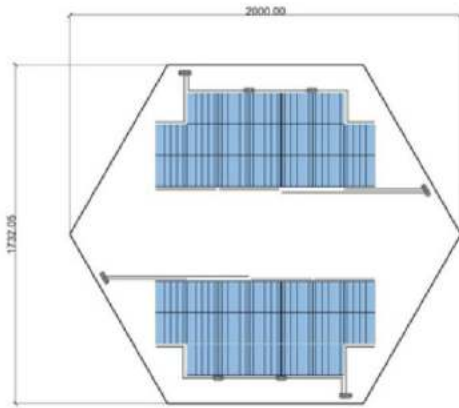
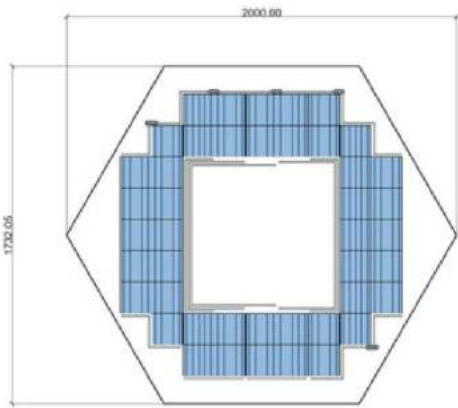


C85

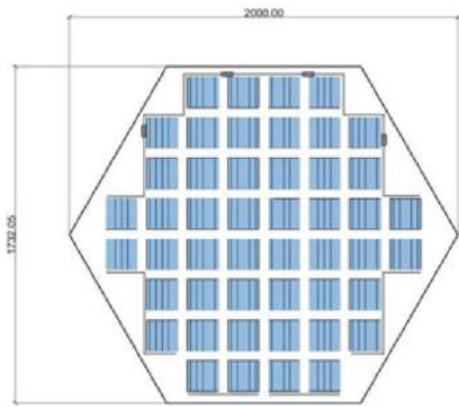
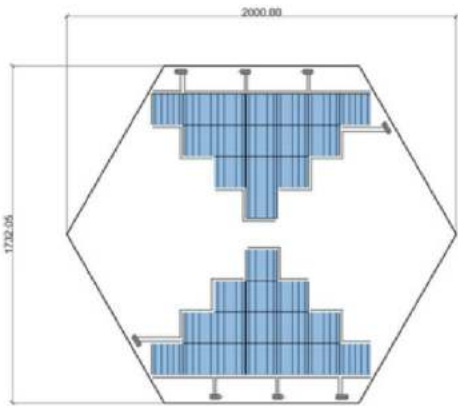


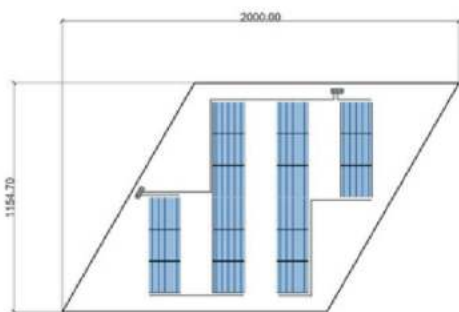
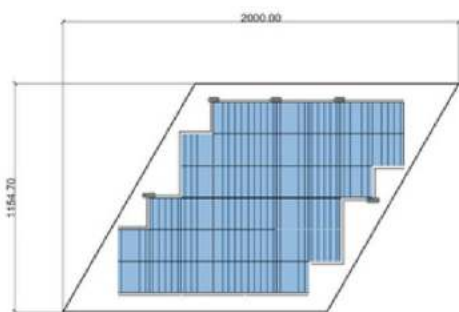
C91



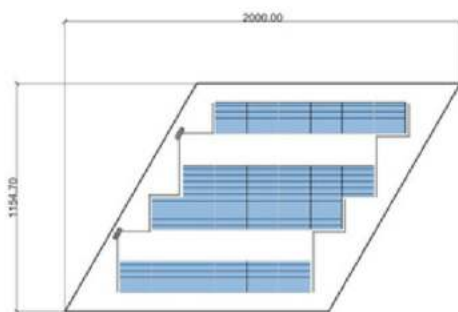


C94

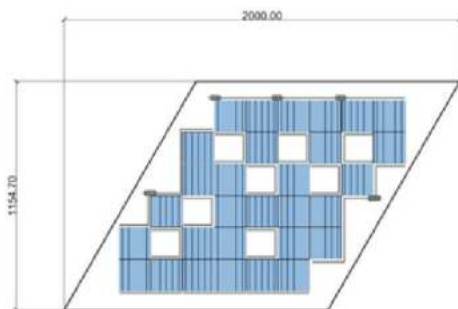
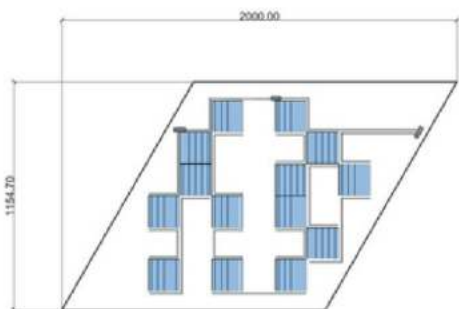
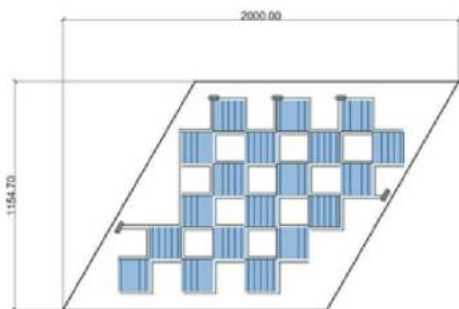




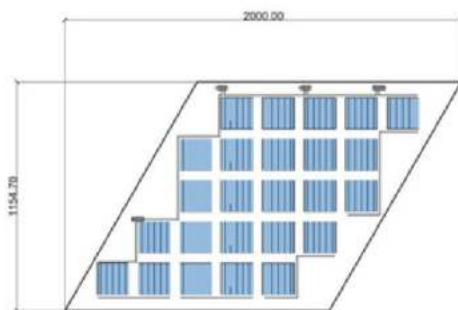
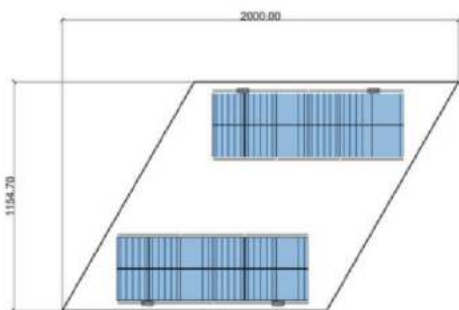
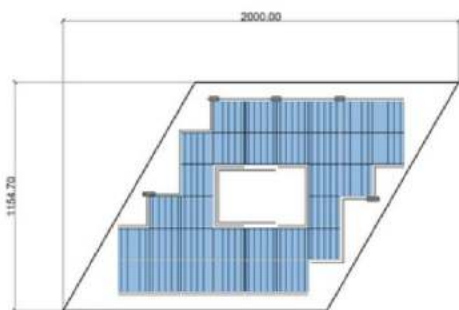
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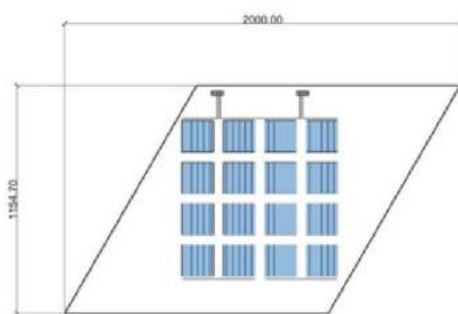
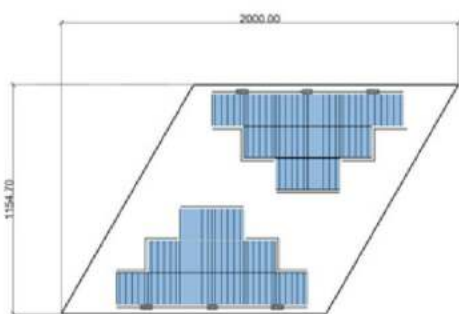
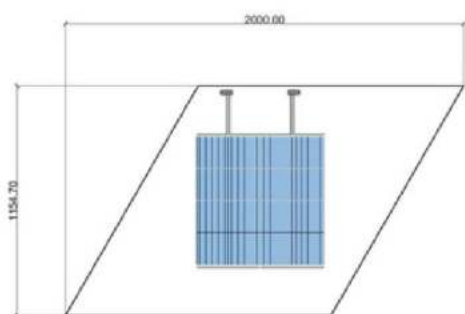
C103



C106



C113



SOLAR GLASS & JUNCTION BOX

LAMINATED SOLAR GLASS

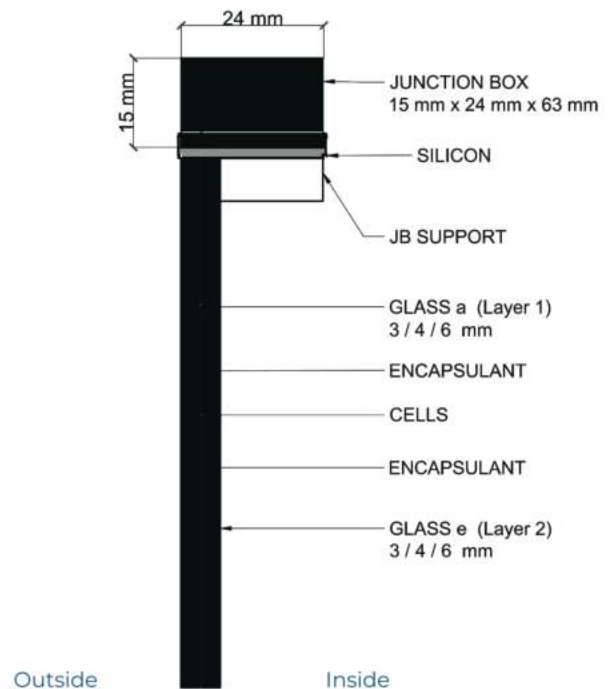
In the Mitrex solar glass, the position of the junction box can be at the front, top or back of the glass depending on the project needs.

Placing the junction box on the top surface ensures easy accessibility for maintenance and inspection, simplifying wiring and connections while preserving the clean appearance of the glass front.

On the other hand, a front-mounted junction box allows for convenient access while maintaining a sleek and integrated look. However, it might be more visible, impacting the overall aesthetics.

Additionally, positioning the junction box at the back conceals wiring and connections, providing a streamlined and unobstructed front surface, enhancing the visual appeal of the structure. The choice of placement involves a careful balance between accessibility, aesthetics, and functionality, each position influencing the efficiency and visual impact of the solar setup.

JUNCTION BOX ON TOP



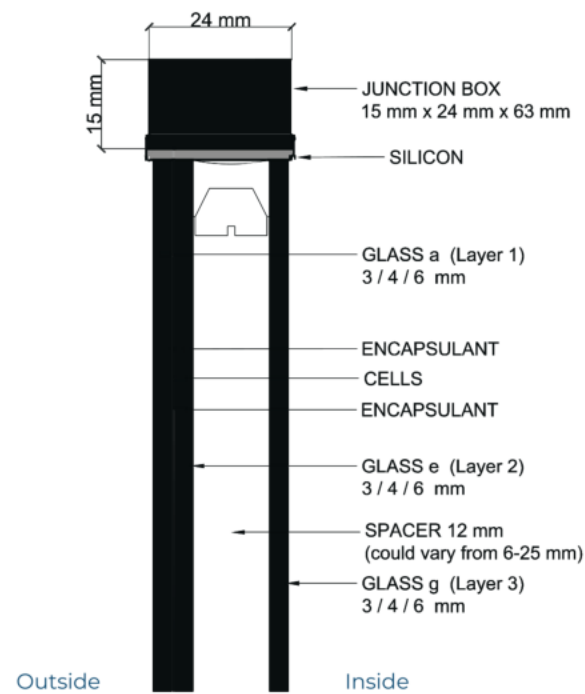
JUNCTION BOX ON THE FACE



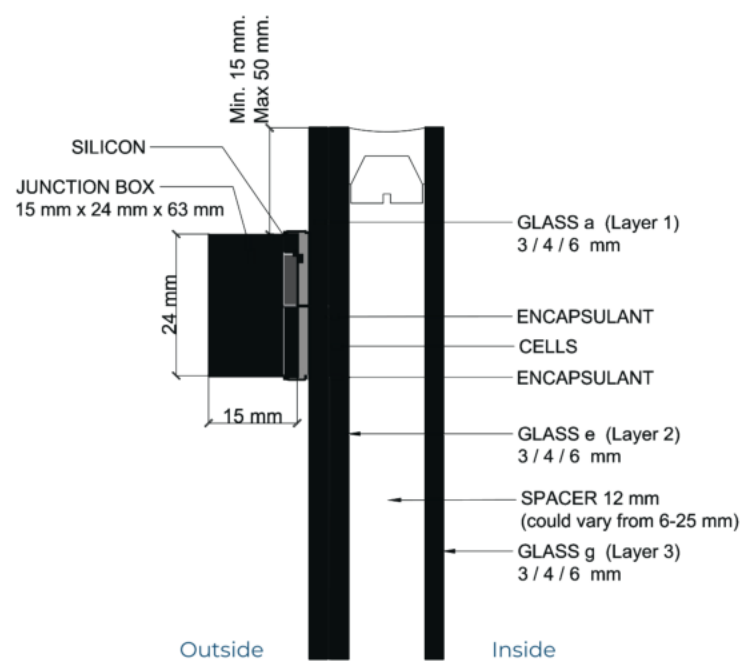
SOLAR GLASS & JUNCTION BOX

IGU SOLAR GLASS DOUBLE LAYER

JUNCTION BOX ON TOP



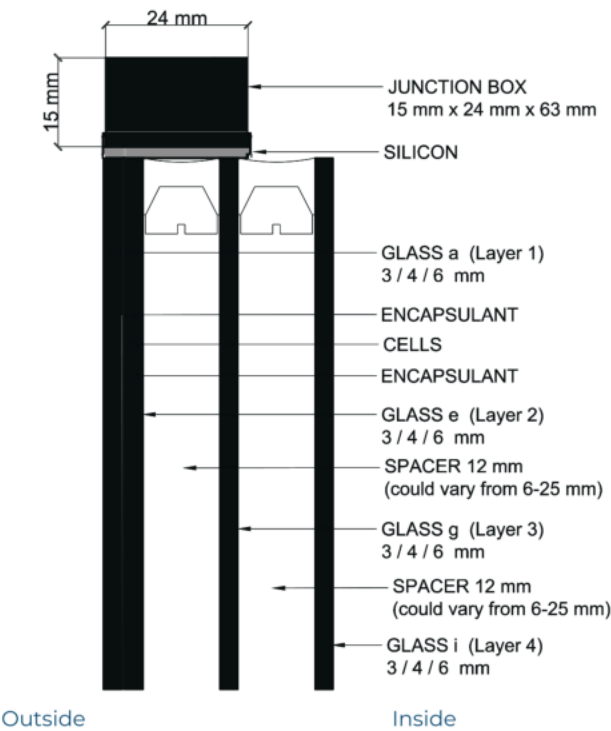
JUNCTION BOX ON THE FACE



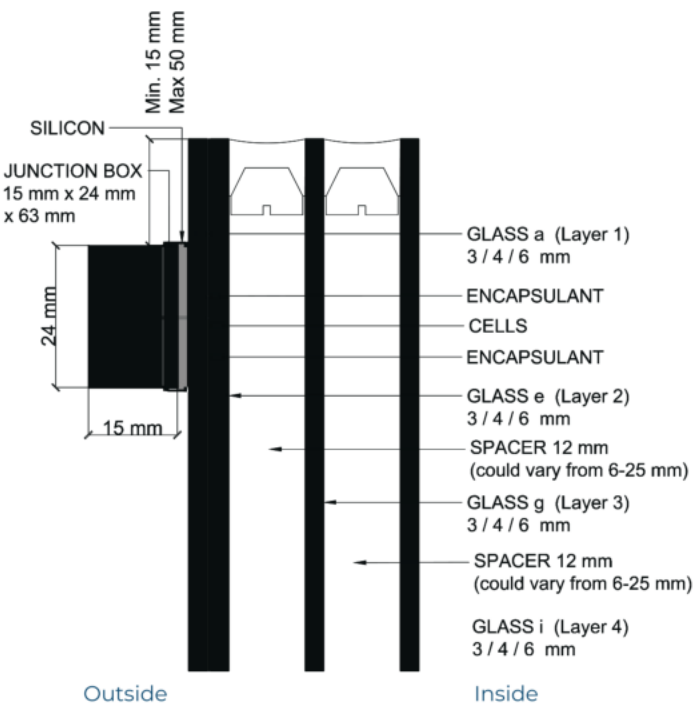
SOLAR GLASS & JUNCTION BOX

IGU SOLAR GLASS TRIPLE LAYER

JUNCTION BOX ON TOP



JUNCTION BOX ON THE FACE



TECHNICAL DATA

GLASS DATASHEET

Non-Active Models

Panel Type	Layers						Visible Solar Heat U-Value (BTU/hrft ² F)Light to									
	Glass L1	Glass L2	Spacer Glass L3		Spacer	Glass L4	UV Visible Light Total Solar				Visible Solar Heat U-Value (BTU/hrft ² F)Light to					
	Thickness	Thickness	Size	Thickness	Size	Thickness	Gain	Winter	Summer	Solar	Transmittance	Transmittance	Transmittance	Exterior	Interior	
Lowiron-Lowiron	3	3	N/A	N/A	N/A	N/A	0%	91%	83%	8%	8%	86%	1.00	0.90	1.06	
Lowiron-Lowiron	4	4	N/A	N/A	N/A	N/A	1%	91%	82%	8%	8%	85%	0.99	0.90	1.07	
Lowiron-Lowiron	6	6	N/A	N/A	N/A	N/A	0%	90%	81%	8%	8%	85%	0.97	0.88	1.06	
Lowiron-LowironLowE	3	3	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	45%	1.00	0.90	1.69	
Lowiron-LowironLowE	4	4	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	45%	0.99	0.90	1.69	
Lowiron-LowironLowE	6	6	N/A	N/A	N/A	N/A	0%	76%	38%	10%	9%	45%	0.97	0.88	1.65	
Lowiron-Lowiron-Spacer-Clear	3	3	123		N/A	N/A	0%	82%	70%	15%	15%	76%	0.45	0.47	1.08	
Lowiron-Lowiron-Spacer-Clear	4	4	124		N/A	N/A	1%	82%	68%	15%	15%	75%	0.44	0.46	1.09	
Lowiron-Lowiron-Spacer-Clear	6	6	126		N/A	N/A	0%	81%	63%	15%	15%	73%	0.44	0.46	1.11	
Lowiron-Lowiron-Spacer-Lowiron	3	3	123		N/A	N/A	0%	84%	76%	15%	15%	78%	0.45	0.47	1.08	
Lowiron-Lowiron-Spacer-Lowiron	4	4	124		N/A	N/A	1%	83%	75%	15%	15%	77%	0.44	0.47	1.08	
Lowiron-Lowiron-Spacer-Lowiron	6	6	126		N/A	N/A	0%	83%	73%	15%	15%	76%	0.44	0.46	1.09	
Lowiron-Lowiron-Spacer-LowEClear	3	3	123		N/A	N/A	0%	73%	37%	12%	11%	48%	0.24	0.22	1.52	
Lowiron-Lowiron-Spacer-LowEClear	4	4	124		N/A	N/A	0%	73%	36%	12%	11%	48%	0.24	0.22	1.52	
Lowiron-Lowiron-Spacer-LowEClear	6	6	126		N/A	N/A	0%	72%	35%	12%	11%	48%	0.24	0.22	1.50	
Lowiron-Lowiron-Spacer-LowLowiron	3	3	123		N/A	N/A	0%	75%	38%	12%	11%	48%	0.29	0.27	1.56	
Lowiron-Lowiron-Spacer-LowLowiron	4	4	124		N/A	N/A	0%	75%	38%	12%	11%	48%	0.28	0.26	1.66	
Lowiron-Lowiron-Spacer-LowLowiron	6	6	124		N/A	N/A	0%	74%	38%	12%	11%	48%	0.24	0.22	1.54	
Lowiron-Lowiron-Spacer-Clear-Spacer-Clear	3	3	126		12	3	0%	75%	59%	21%	21%	68%	0.29	0.32	1.10	
Lowiron-Lowiron-Spacer-Clear-Spacer-Clear	4	4	123		12	4	1%	74%	56%	21%	21%	67%	0.28	0.32	1.10	
Lowiron-Lowiron-Spacer-Clear-Spacer-Clear	6	6	124		12	6	0%	72%	50%	21%	20%	64%	0.28	0.32	1.13	
Lowiron-Lowiron-Spacer-Lowiron-Spacer-Lowiron	3	3	126		12	3	0%	77%	69%	21%	21%	72%	0.29	0.32	1.07	
Lowiron-Lowiron-Spacer-Lowiron-Spacer-Lowiron	4	4	123		12	4	1%	77%	68%	21%	21%	71%	0.28	0.32	1.08	
Lowiron-Lowiron-Spacer-Lowiron-Spacer-Lowiron	6	6	124		12	6	0%	77%	66%	21%	21%	70%	0.28	0.32	1.10	
Lowiron-Lowiron-Spacer-LowEClear-Spacer-LowEClear	3	3	126		12	3	0%	59%	25%	15%	13%	39%	0.12	0.12	1.51	
Lowiron-Lowiron-Spacer-LowEClear-Spacer-LowEClear	4	4	123		12	4	0%	58%	25%	14%	12%	38%	0.12	0.12	1.49	
Lowiron-Lowiron-Spacer-LowEClear-Spacer-LowEClear	6	6	124		12	6	0%	57%	24%	14%	12%	38%	0.12	0.12	1.50	
Lowiron-Lowiron-Spacer-LowLowiron-Spacer-LowLowiron	3	3	126		12	3	0%	61%	27%	15%	13%	40%	0.12	0.12	1.53	
Lowiron-Lowiron-Spacer-LowLowiron-Spacer-LowLowiron	4	4	123		12	4	0%	60%	27%	15%	13%	40%	0.12	0.12	1.53	
Lowiron-Lowiron-Spacer-LowLowiron-Spacer-LowLowiron	6	6	124		12	6	0%	60%	27%	15%	13%	39%	0.12	0.12	1.54	
			126													

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)Light to			
LowIron-LowIron													
Panel Type	Shape	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	U-Value	U-Value	U-Value
Area	Area		Thickness	Thickness	Thickness	Thickness	Daytime	Nighttime	Daytime	Daytime	Winter	Summer	Gain
Non-ActiveAny	Shape0%		3	3	N/A	N/A	N/A	N/A	0% 91% 83% 8% 8% 86% 1.00 0.90 1.06				
	A1 Rectangle 92%		3	3	N/A	N/A	N/A	N/A	0% 8% 7% 28% 28% 7% 1.00 0.90 1.06				
A2 Rectangle 61%			3	3	N/A	N/A	N/A	N/A	0% 35% 32% 21% 21% 33% 1.00 0.90 1.06				
A3 Rectangle 61%			3	3	N/A	N/A	N/A	N/A	0% 35% 32% 21% 21% 33% 1.00 0.90 1.06				
A4 Rectangle 31%			3	3	N/A	N/A	N/A	N/A	0% 63% 58% 15% 15% 60% 1.00 0.90 1.06				
A5 Rectangle 31%			3	3	N/A	N/A	N/A	N/A	0% 63% 58% 15% 15% 60% 1.00 0.90 1.06				
A6 Rectangle 15%			3	3	N/A	N/A	N/A	N/A	0% 77% 70% 11% 11% 73% 1.00 0.90 1.06				
A7 Rectangle 31%			3	3	N/A	N/A	N/A	N/A	0% 63% 58% 15% 15% 60% 1.00 0.90 1.06				
	AB Rectangle 46%		3	3	N/A	N/A	N/A	N/A	0% 49% 45% 18% 18% 47% 1.00 0.90 1.06				
A21 Rectangle 76%			3	3	N/A	N/A	N/A	N/A	0% 21% 20% 25% 25% 20% 1.00 0.90 1.06				
A22 Rectangle 58%			3	3	N/A	N/A	N/A	N/A	0% 56% 51% 16% 16% 53% 1.00 0.90 1.06				
A23 Rectangle 15%			3	3	N/A	N/A	N/A	N/A	0% 77% 70% 11% 11% 73% 1.00 0.90 1.06				
A24 Rectangle 46%			3	3	N/A	N/A	N/A	N/A	0% 49% 45% 18% 18% 47% 1.00 0.90 1.06				
A25 Rectangle 31%			3	3	N/A	N/A	N/A	N/A	0% 63% 58% 15% 15% 60% 1.00 0.90 1.06				
A26 Rectangle 15%			3	3	N/A	N/A	N/A	N/A	0% 77% 70% 11% 11% 73% 1.00 0.90 1.06				
A27 Rectangle 23%			3	3	N/A	N/A	N/A	N/A	0% 70% 64% 13% 13% 66% 1.00 0.90 1.06				
A31 Rectangle 31%			3	3	N/A	N/A	N/A	N/A	0% 63% 58% 15% 15% 60% 1.00 0.90 1.06				
A32 Rectangle 20%			3	3	N/A	N/A	N/A	N/A	0% 72% 66% 12% 12% 68% 1.00 0.90 1.06				
A33 Rectangle 10%			3	3	N/A	N/A	N/A	N/A	0% 82% 75% 10% 10% 77% 1.00 0.90 1.06				
A34 Rectangle 5%			3	3	N/A	N/A	N/A	N/A	0% 86% 79% 9% 9% 82% 1.00 0.90 1.06				
A41 Rectangle 74%			3	3	N/A	N/A	N/A	N/A	0% 24% 22% 24% 24% 22% 1.00 0.90 1.06				
A42 Rectangle 47%			3	3	N/A	N/A	N/A	N/A	0% 48% 44% 18% 18% 45% 1.00 0.90 1.06				
A43 Rectangle 14%			3	3	N/A	N/A	N/A	N/A	0% 78% 71% 11% 11% 74% 1.00 0.90 1.06				
A44 Rectangle 10%			3	3	N/A	N/A	N/A	N/A	0% 82% 75% 10% 10% 77% 1.00 0.90 1.06				
A45 Rectangle 43%			3	3	N/A	N/A	N/A	N/A	0% 52% 47% 18% 18% 49% 1.00 0.90 1.06				
A46 Rectangle 59%			3	3	N/A	N/A	N/A	N/A	0% 37% 33% 21% 21% 35% 1.00 0.90 1.06				
A51 Rectangle 52%			3	3	N/A	N/A	N/A	N/A	0% 39% 35% 21% 21% 37% 1.00 0.90 1.06				
A52 Rectangle 29%			3	3	N/A	N/A	N/A	N/A	0% 67% 61% 14% 14% 63% 1.00 0.90 1.06				
A53 Rectangle 22%			3	3	N/A	N/A	N/A	N/A	0% 71% 65% 13% 13% 67% 1.00 0.90 1.06				
A54 Rectangle 92%			3	3	N/A	N/A	N/A	N/A	0% 12% 11% 27% 27% 12% 1.00 0.90 1.06				
A55 Rectangle 60%			3	3	N/A	N/A	N/A	N/A	0% 28% 26% 23% 23% 27% 1.00 0.90 1.06				
A56 Rectangle 61%			3	3	N/A	N/A	N/A	N/A	0% 35% 32% 21% 21% 33% 1.00 0.90 1.06				
A11 Rectangle 46%			3	3	N/A	N/A	N/A	N/A	0% 49% 45% 18% 18% 47% 1.00 0.90 1.06				
A12 Rectangle 23%			3	3	N/A	N/A	N/A	N/A	0% 70% 64% 13% 13% 66% 1.00 0.90 1.06				
A13 Rectangle 23%			3	3	N/A	N/A	N/A	N/A	0% 70% 64% 13% 13% 66% 1.00 0.90 1.06				
A14 Rectangle 23%			3	3	N/A	N/A	N/A	N/A	0% 70% 64% 13% 13% 66% 1.00 0.90 1.06				
A15 Rectangle 11%			3	3	N/A	N/A	N/A	N/A	0% 81% 73% 11% 11% 76% 1.00 0.90 1.06				
A16 Rectangle 34%			3	3	N/A	N/A	N/A	N/A	0% 60% 54% 16% 16% 56% 1.00 0.90 1.06				
A121 Rectangle 36%			3	3	N/A	N/A	N/A	N/A	0% 59% 53% 16% 16% 55% 1.00 0.90 1.06				
A122 Rectangle 15%			3	3	N/A	N/A	N/A	N/A	0% 77% 70% 11% 11% 73% 1.00 0.90 1.06				
A123 Rectangle 20%			3	3	N/A	N/A	N/A	N/A	0% 72% 66% 12% 12% 68% 1.00 0.90 1.06				
A124 Rectangle 36%			3	3	N/A	N/A	N/A	N/A	0% 59% 53% 16% 16% 55% 1.00 0.90 1.06				
A125 Rectangle 25%			3	3	N/A	N/A	N/A	N/A	0% 68% 62% 14% 14% 64% 1.00 0.90 1.06				
A126 Rectangle 18%			3	3	N/A	N/A	N/A	N/A	0% 75% 68% 12% 12% 71% 1.00 0.90 1.06				
A127 Rectangle 18%			3	3	N/A	N/A	N/A	N/A	0% 75% 68% 12% 12% 71% 1.00 0.90 1.06				
A128 Rectangle 8%			3	3	N/A	N/A	N/A	N/A	0% 84% 77% 10% 10% 79% 1.00 0.90 1.06				
	B1 Rectangle-Half 587%		3	3	N/A	N/A	N/A	N/A	0% 11% 10% 27% 27% 11% 1.00 0.90 1.06				
	B2 Rectangle-Half 558%		3	3	N/A	N/A	N/A	N/A	0% 38% 35% 21% 21% 36% 1.00 0.90 1.06				
	B3 Rectangle-Half 558%		3	3	N/A	N/A	N/A	N/A	0% 38% 35% 21% 21% 36% 1.00 0.90 1.06				
B4 Rectangle-Half 529%			3	3	N/A	N/A	N/A	N/A	0% 64% 59% 14% 14% 61% 1.00 0.90 1.06				
B5 Rectangle-Half 529%			3	3	N/A	N/A	N/A	N/A	0% 78% 71% 11% 11% 73% 1.00 0.90 1.06				
B6 Rectangle-Half 515%			3	3	N/A	N/A	N/A	N/A	0% 64% 59% 14% 14% 61% 1.00 0.90 1.06				
B7 Rectangle-Half 529%			3	3	N/A	N/A	N/A	N/A	0% 51% 47% 18% 18% 48% 1.00 0.90 1.06				
	B8 Rectangle-Half 544%		3	3	N/A	N/A	N/A	N/A	0% 25% 23% 24% 24% 23% 1.00 0.90 1.06				
B21 Rectangle-Half 573%			3	3	N/A	N/A	N/A	N/A	0% 51% 47% 18% 18% 48% 1.00 0.90 1.06				
B22 Rectangle-Half 544%			3	3	N/A	N/A	N/A	N/A	0% 78% 71% 11% 11% 73% 1.00 0.90 1.06				
B23 Rectangle-Half 515%			3	3	N/A	N/A	N/A	N/A	0% 38% 35% 21% 21% 36% 1.00 0.90 1.06				
B24 Rectangle-Half 558%			3	3	N/A	N/A	N/A	N/A	0% 64% 59% 14% 14% 61% 1.00 0.90 1.06				
B25 Rectangle-Half 529%			3	3	N/A	N/A	N/A	N/A	0% 51% 47% 18% 18% 48% 1.00 0.90 1.06				
B26 Rectangle-Half 544%			3	3	N/A	N/A	N/A	N/A	0% 56% 51% 17% 17% 53% 1.00 0.90 1.06				
B31 Rectangle-Half 539%			3	3	N/A	N/A	N/A	N/A	0% 73% 67% 12% 12% 69% 1.00 0.90 1.06				
B32 Rectangle-Half 519%			3	3	N/A	N/A	N/A	N/A	0% 56% 51% 17% 17% 53% 1.00 0.90 1.06				
B33 Rectangle-Half 539%			3	3	N/A	N/A	N/A	N/A	0% 73% 67% 12% 12% 69% 1.00 0.90 1.06				
B34 Rectangle-Half 519%			3	3	N/A	N/A	N/A	N/A	0% 82% 75% 10% 10% 78% 1.00 0.90 1.06				
B35 Rectangle-Half 510%			3	3	N/A	N/A	N/A	N/A	0% 62% 57% 15% 15% 59% 1.00 0.90 1.06				
B36 Rectangle-Half 532%			3	3	N/A	N/A	N/A	N/A	0% 36% 33% 21% 21% 34% 1.00 0.90 1.06				
	C1 Circle 60%		3	3	N/A	N/A	N/A	N/A	0% 55% 50% 17% 17% 52% 1.00 0.90 1.06				
C12 Circle 40%			3	3	N/A	N/A	N/A	N/A	0% 73% 66% 12% 12% 69% 1.00 0.90 1.06				
C13 Circle 20%			3	3	N/A	N/A	N/A	N/A	0% 20% 18% 25% 25% 19% 1.00 0.90 1.06				
C21 Circle 78%			3	3	N/A	N/A	N/A	N/A	0% 19% 17% 25% 25% 18% 1.00 0.90 1.06				
C22 Circle 79%			3	3	N/A	N/A	N/A	N/A	0% 52% 48% 17% 17% 50% 1.00 0.90 1.06				
C23 Circle 42%			3	3	N/A	N/A	N/A	N/A	0% 56% 51% 16% 16% 53% 1.00 0.90 1.06				
C24 Circle 38%			3	3	N/A	N/A	N/A	N/A	0% 32% 29% 22% 22% 30% 1.00 0.90 1.06				
C25 Circle 65%			3	3	N/A	N/A	N/A	N/A	0% 27% 25% 23% 23% 26% 1.00 0.90 1.06				
C31 Circle 70%			3	3	N/A	N/A	N/A	N/A	0% 39% 36% 21% 21% 37% 1.00 0.90 1.06				
C32 Circle 57%			3	3	N/A	N/A	N/A	N/A	0% 59% 54% 16% 16% 56% 1.00 0.90 1.06				
C33 Circle 35%			3	3	N/A	N/A	N/A	N/A	0% 34% 31% 22% 22% 32% 1.00 0.90 1.06				
C34 Circle 63%			3	3	N/A	N/A	N/A	N/A	0% 55% 50% 17% 17% 52% 1.00 0.90 1.06				
C35 Circle 40%			3	3	N/A	N/A	N/A	N/A	0% 72% 66% 12% 12% 68% 1.00 0.90 1.06				
C36 Circle 20%			3	3	N/A	N/A	N/A	N/A	0% 44% 40% 19% 19% 41% 1.00 0.90 1.06				
C41 Circle 52%			3	3	N/A	N/A	N/A	N/A	0% 60% 55% 16% 16% 57% 1.00 0.90 1.06				
C42 Circle 34%			3	3	N/A	N/A	N/A	N/A	0% 51% 46% 18% 18% 48% 1.00 0.90 1.06				
C43 Circle 44%			3	3	N/A	N/A	N/A	N/A	0% 42% 38% 20% 20% 40% 1.00 0.90 1.06				
C51 Circle 54%			3	3	N/A	N/A	N/A	N/A	0% 51% 46% 18% 18% 48% 1.00 0.90 1.06				
C52 Circle 44%			3	3	N/A	N/A	N/A	N/A	0% 49% 45% 18% 18% 47% 1.00 0.90 1.06				
C53 Circle 46%			3	3	N/A	N/A	N/A	N/A	0% 46% 42% 19% 19% 44% 1.00 0.90 1.06				
C54 Circle 49%			3	3	N/A	N/A	N/A	N/A	0% 5				

Panel Layers		Layers						Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)Light to			
LowIron-LowIron		Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible Light Transmittance	Visible Light Transmittance	Light Transmittance	Total Solar Reflectance	Solar Heat U-Value	Light to	
Panel Type	Shape Area		Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Exterior	Interior	Coefficient	Winter	Summer	Gain	
			3	3	N/A	N/A	N/A	N/A	0%	48%	44%	18%	18%	45%	1.00 0.90 1.06
C74	Triangle 47%		3	3	N/A	N/A	N/A	N/A	0%	57%	52%	16%	16%	54%	1.00 0.90 1.06
C75	Triangle 37%		3	3	N/A	N/A	N/A	N/A	0%	53%	49%	17%	17%	50%	1.00 0.90 1.06
C76	Triangle 41%		3	3	N/A	N/A	N/A	N/A	0%	47%	43%	19%	19%	44%	1.00 0.90 1.06
C17	Hexagon 48%		3	3	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	58%	1.00 0.90 1.06
C18	Hexagon 32%		3	3	N/A	N/A	N/A	N/A	0%	76%	70%	12%	12%	72%	1.00 0.90 1.06
C19	Hexagon 16%		3	3	N/A	N/A	N/A	N/A	0%	29%	27%	23%	23%	28%	1.00 0.90 1.06
C81	Hexagon 68%		3	3	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	1.00 0.90 1.06
C82	Hexagon 36%		3	3	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	1.00 0.90 1.06
C83	Hexagon 36%		3	3	N/A	N/A	N/A	N/A	0%	43%	40%	19%	19%	41%	1.00 0.90 1.06
C84	Hexagon 52%		3	3	N/A	N/A	N/A	N/A	0%	71%	65%	13%	13%	67%	1.00 0.90 1.06
C85	Hexagon 22%		3	3	N/A	N/A	N/A	N/A	0%	28%	26%	23%	23%	27%	1.00 0.90 1.06
C91	Hexagon 69%		3	3	N/A	N/A	N/A	N/A	0%	43%	39%	20%	20%	40%	1.00 0.90 1.06
C92	Hexagon 53%		3	3	N/A	N/A	N/A	N/A	0%	57%	52%	16%	16%	54%	1.00 0.90 1.06
C93	Hexagon 37%		3	3	N/A	N/A	N/A	N/A	0%	82%	75%	10%	10%	78%	1.00 0.90 1.06
C94	Hexagon 10%		3	3	N/A	N/A	N/A	N/A	0%	62%	57%	15%	15%	59%	1.00 0.90 1.06
C95	Hexagon 32%		3	3	N/A	N/A	N/A	N/A	0%	48%	44%	18%	18%	45%	1.00 0.90 1.06
C96	Hexagon 47%		3	3	N/A	N/A	N/A	N/A	0%	34%	31%	22%	22%	32%	1.00 0.90 1.06
C101	Parallelogram 63%		3	3	N/A	N/A	N/A	N/A	0%	64%	58%	15%	15%	60%	1.00 0.90 1.06
C102	Parallelogram 30%		3	3	N/A	N/A	N/A	N/A	0%	58%	53%	16%	16%	55%	1.00 0.90 1.06
C103	Parallelogram 37%		3	3	N/A	N/A	N/A	N/A	0%	62%	57%	15%	15%	59%	1.00 0.90 1.06
C104	Parallelogram 32%		3	3	N/A	N/A	N/A	N/A	0%	70%	64%	13%	13%	66%	1.00 0.90 1.06
C105	Parallelogram 23%		3	3	N/A	N/A	N/A	N/A	0%	46%	42%	19%	19%	43%	1.00 0.90 1.06
C106	Parallelogram 50%		3	3	N/A	N/A	N/A	N/A	0%	43%	39%	20%	20%	40%	1.00 0.90 1.06
C111	Parallelogram 53%		3	3	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	1.00 0.90 1.06
C112	Parallelogram 49%		3	3	N/A	N/A	N/A	N/A	0%	52%	47%	18%	18%	49%	1.00 0.90 1.06
C113	Parallelogram 43%		3	3	N/A	N/A	N/A	N/A	0%	67%	61%	14%	14%	63%	1.00 0.90 1.06
C114	Parallelogram 22%		3	3	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	1.00 0.90 1.06
C115	Parallelogram 40%		3	3	N/A	N/A	N/A	N/A	0%	67%	61%	14%	14%	63%	1.00 0.90 1.06
C116	Parallelogram 27%		3	3	N/A	N/A	N/A	N/A							
			3	3											

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)		Light to					
LowIron-LowIron																	
Panel Type	Shape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	UV Visible Light Transmittance Exterior	Visible Light Transmittance Interior	Total Solar Reflectance Coefficient	Winter	Summer	Gain					
Non-ActiveAny	Shape0%		4	4	N/A	N/A	N/A	N/A	1%	91%	82%	8%	8%	85%	0.99	0.90	1.07
	A1 Rectangle 92%		4	4	N/A	N/A	N/A	N/A	0%	8%	7%	28%	28%	7%	0.99	0.90	1.07
A2 Rectangle	61%		4	4	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	0.99	0.90	1.07
A3 Rectangle	61%		4	4	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	0.99	0.90	1.07
A4 Rectangle	31%		4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
A5 Rectangle	31%		4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
A6 Rectangle	15%		4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
A7 Rectangle	31%		4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
	A8 Rectangle 46%		4	4	N/A	N/A	N/A	N/A	1%	49%	44%	18%	18%	46%	0.99	0.90	1.07
A21 Rectangle	76%		4	4	N/A	N/A	N/A	N/A	0%	71%	19%	25%	25%	20%	0.99	0.90	1.07
A22 Rectangle	38%		4	4	N/A	N/A	N/A	N/A	1%	56%	51%	16%	16%	53%	0.99	0.90	1.07
A23 Rectangle	15%		4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
A24 Rectangle	46%		4	4	N/A	N/A	N/A	N/A	1%	49%	44%	18%	18%	46%	0.99	0.90	1.07
A25 Rectangle	37%		4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
A26 Rectangle	15%		4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
A27 Rectangle	23%		4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
A31 Rectangle	31%		4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
A32 Rectangle	20%		4	4	N/A	N/A	N/A	N/A	1%	72%	65%	12%	12%	68%	0.99	0.90	1.07
A33 Rectangle	10%		4	4	N/A	N/A	N/A	N/A	1%	82%	74%	10%	10%	76%	0.99	0.90	1.07
A34 Rectangle	5%		4	4	N/A	N/A	N/A	N/A	1%	86%	78%	9%	9%	81%	0.99	0.90	1.07
A41 Rectangle	74%		4	4	N/A	N/A	N/A	N/A	0%	24%	21%	24%	24%	22%	0.99	0.90	1.07
A42 Rectangle	47%		4	4	N/A	N/A	N/A	N/A	1%	48%	43%	18%	18%	45%	0.99	0.90	1.07
A43 Rectangle	14%		4	4	N/A	N/A	N/A	N/A	1%	78%	71%	11%	11%	73%	0.99	0.90	1.07
A44 Rectangle	10%		4	4	N/A	N/A	N/A	N/A	1%	82%	74%	10%	10%	76%	0.99	0.90	1.07
A45 Rectangle	43%		4	4	N/A	N/A	N/A	N/A	1%	52%	46%	18%	18%	48%	0.99	0.90	1.07
A46 Rectangle	69%		4	4	N/A	N/A	N/A	N/A	0%	37%	33%	21%	21%	34%	0.99	0.90	1.07
A51 Rectangle	57%		4	4	N/A	N/A	N/A	N/A	0%	39%	35%	21%	21%	36%	0.99	0.90	1.07
A52 Rectangle	24%		4	4	N/A	N/A	N/A	N/A	1%	67%	60%	14%	14%	62%	0.99	0.90	1.07
A53 Rectangle	22%		4	4	N/A	N/A	N/A	N/A	1%	71%	64%	13%	13%	67%	0.99	0.90	1.07
A54 Rectangle	82%		4	4	N/A	N/A	N/A	N/A	0%	12%	11%	27%	27%	11%	0.99	0.90	1.07
A55 Rectangle	63%		4	4	N/A	N/A	N/A	N/A	0%	28%	26%	23%	23%	27%	0.99	0.90	1.07
A56 Rectangle	61%		4	4	N/A	N/A	N/A	N/A	0%	35%	32%	21%	21%	33%	0.99	0.90	1.07
A11 Rectangle	46%		4	4	N/A	N/A	N/A	N/A	1%	49%	44%	18%	18%	46%	0.99	0.90	1.07
A12 Rectangle	23%		4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
A13 Rectangle	23%		4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
A14 Rectangle	23%		4	4	N/A	N/A	N/A	N/A	1%	70%	63%	13%	13%	66%	0.99	0.90	1.07
A15 Rectangle	11%		4	4	N/A	N/A	N/A	N/A	1%	81%	73%	11%	11%	75%	0.99	0.90	1.07
A16 Rectangle	34%		4	4	N/A	N/A	N/A	N/A	1%	60%	54%	16%	16%	56%	0.99	0.90	1.07
A121 Rectangle	36%		4	4	N/A	N/A	N/A	N/A	1%	59%	53%	16%	16%	55%	0.99	0.90	1.07
A122 Rectangle	15%		4	4	N/A	N/A	N/A	N/A	1%	77%	69%	11%	11%	72%	0.99	0.90	1.07
A123 Rectangle	20%		4	4	N/A	N/A	N/A	N/A	1%	72%	65%	12%	12%	68%	0.99	0.90	1.07
A124 Rectangle	36%		4	4	N/A	N/A	N/A	N/A	1%	59%	53%	16%	16%	55%	0.99	0.90	1.07
A125 Rectangle	25%		4	4	N/A	N/A	N/A	N/A	1%	68%	61%	14%	14%	63%	0.99	0.90	1.07
A126 Rectangle	19%		4	4	N/A	N/A	N/A	N/A	1%	75%	67%	12%	12%	70%	0.99	0.90	1.07
A127 Rectangle	19%		4	4	N/A	N/A	N/A	N/A	1%	75%	67%	12%	12%	70%	0.99	0.90	1.07
A128 Rectangle	8%		4	4	N/A	N/A	N/A	N/A	1%	84%	76%	10%	10%	79%	0.99	0.90	1.07
	B1Rectangle-Half 587%		4	4	N/A	N/A	N/A	N/A	0%	11%	10%	27%	27%	11%	0.99	0.90	1.07
	B2Rectangle-Half 558%		4	4	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.99	0.90	1.07
	B3Rectangle-Half 558%		4	4	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.99	0.90	1.07
B4Rectangle-Half 529%			4	4	N/A	N/A	N/A	N/A	1%	64%	58%	14%	14%	60%	0.99	0.90	1.07
B5Rectangle-Half 529%			4	4	N/A	N/A	N/A	N/A	1%	78%	70%	11%	11%	73%	0.99	0.90	1.07
B6Rectangle-Half 515%			4	4	N/A	N/A	N/A	N/A	1%	64%	58%	14%	14%	60%	0.99	0.90	1.07
B7Rectangle-Half 529%			4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
	B8Rectangle-Half 544%		4	4	N/A	N/A	N/A	N/A	0%	25%	22%	24%	24%	23%	0.99	0.90	1.07
B21Rectangle-Half 573%			4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
B22Rectangle-Half 544%			4	4	N/A	N/A	N/A	N/A	1%	78%	70%	11%	11%	73%	0.99	0.90	1.07
B23Rectangle-Half 515%			4	4	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.99	0.90	1.07
B24Rectangle-Half 558%			4	4	N/A	N/A	N/A	N/A	1%	64%	58%	14%	14%	60%	0.99	0.90	1.07
B25Rectangle-Half 529%			4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
B26Rectangle-Half 544%			4	4	N/A	N/A	N/A	N/A	1%	56%	50%	17%	17%	52%	0.99	0.90	1.07
B31Rectangle-Half 539%			4	4	N/A	N/A	N/A	N/A	1%	73%	66%	12%	12%	68%	0.99	0.90	1.07
B32Rectangle-Half 519%			4	4	N/A	N/A	N/A	N/A	1%	56%	50%	17%	17%	52%	0.99	0.90	1.07
B33Rectangle-Half 539%			4	4	N/A	N/A	N/A	N/A	1%	73%	66%	12%	12%	68%	0.99	0.90	1.07
B34Rectangle-Half 519%			4	4	N/A	N/A	N/A	N/A	1%	82%	74%	10%	10%	77%	0.99	0.90	1.07
B35Rectangle-Half 510%			4	4	N/A	N/A	N/A	N/A	1%	62%	56%	15%	15%	58%	0.99	0.90	1.07
B36Rectangle-Half 532%			4	4	N/A	N/A	N/A	N/A	0%	36%	33%	21%	21%	34%	0.99	0.90	1.07
	C1 Circle 60%		4	4	N/A	N/A	N/A	N/A	1%	55%	49%	17%	17%	51%	0.99	0.90	1.07
C12 Circle	40%		4	4	N/A	N/A	N/A	N/A	1%	73%	66%	12%	12%	68%	0.99	0.90	1.07
C13 Circle	20%		4	4	N/A	N/A	N/A	N/A	0%	20%	18%	25%	25%	18%	0.99	0.90	1.07
C21 Circle	78%		4	4	N/A	N/A	N/A	N/A	0%	19%	17%	25%	25%	18%	0.99	0.90	1.07
C22 Circle	79%		4	4	N/A	N/A	N/A	N/A	1%	52%	47%	17%	17%	49%	0.99	0.90	1.07
C23 Circle	42%		4	4	N/A	N/A	N/A	N/A	1%	56%	51%	16%	16%	52%	0.99	0.90	1.07
C24 Circle	38%		4	4	N/A	N/A	N/A	N/A	0%	32%	29%	22%	22%	30%	0.99	0.90	1.07
C25 Circle	65%		4	4	N/A	N/A	N/A	N/A	0%	27%	25%	23%	23%	25%	0.99	0.90	1.07
C31 Circle	70%		4	4	N/A	N/A	N/A	N/A	0%	39%	35%	21%	21%	36%	0.99	0.90	1.07
C32 Circle	57%		4	4	N/A	N/A	N/A	N/A	1%	59%	53%	16%	16%	55%	0.99	0.90	1.07
C33 Circle	35%		4	4	N/A	N/A	N/A	N/A	0%	34%	31%	22%	22%	32%	0.99	0.90	1.07
C34 Circle	63%		4	4	N/A	N/A	N/A	N/A	1%	55%	49%	17%	17%	51%	0.99	0.90	1.07
C35 Circle	40%		4	4	N/A	N/A	N/A	N/A	1%	72%	65%	12%	12%	68%	0.99	0.90	1.07
C36 Circle	20%		4	4	N/A	N/A	N/A	N/A	0%	44%	39%	19%	19%	41%	0.99	0.90	1.07
C41 Circle	52%		4	4	N/A	N/A	N/A	N/A	1%	60%	54%	16%	16%	56%	0.99	0.90	1.07
C42 Circle	34%		4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
C43 Circle	44%		4	4	N/A	N/A	N/A	N/A	0%	42%	38%	20%	20%	39%	0.99	0.90	1.07
C51 Circle	54%		4	4	N/A	N/A	N/A	N/A	1%	51%	46%	18%	18%	48%	0.99	0.90	1.07
C52 Circle	44%		4	4	N/A	N/A	N/A	N/A	1%	49%	45%	18%	18%	46%	0.99	0.90	1.07
C53 Circle	46%		4	4	N/A	N/A	N/A	N/A	1%	46%	42%	19%	19%	43%	0.99	0.90	1.07
C54 Circle	49%		4	4	N/A	N/A	N/A	N/A	1%	58%	53%	16%	16%	55%	0.99	0.90	1.07
C55 Circle	36%		4	4	N/A	N/A	N/A	N/A	0%	45%	40%	19%	19%	42%	0.99	0.90	1.07
C14 Triangle	51%		4	4	N/A	N/A	N/A	N/A	1%	89%	83%	16%	16%	85%	0.99	0.90	1.07
C15 Triangle	36%		4	4	N/A	N/A	N/A	N/A	1%	63%	57%	15%	15%	59%	0.99	0.90	1.07
C16 Triangle	31%		4	4	N/A	N/A	N/A	N/A	0%	32%	29%	22%	22%	30%	0.99	0.90	1.07
C61 Triangle	65%		4	4	N/A	N/A	N/A	N/A	1%	60							

Panel Layers			Layers						Visible				Solar Heat U-Value (BTU/hrft2F)				Light to																		
LowIron-LowIron			Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible	Light Total	Solar Reflectance	Gain Solar	Transmittance	Exterior	Interior		Coefficient	Winter	Summer	Gain														
Panel Type	Shape	Area																				Th	ickn	es	s	Th	ickn	es	s	Size	Thickness	Size	Thickness	Nighttime	Daytime
C74 Triangle	47%		4	4		N/A	N/A	N/A	N/A			1%	48%	43%	18%	18%	45%	0.99	0.90	1.07															
C75 Triangle	37%		4	4		N/A	N/A	N/A	N/A			1%	57%	52%	16%	16%	54%	0.99	0.90	1.07															
C76 Triangle	41%		4	4		N/A	N/A	N/A	N/A			1%	53%	48%	17%	17%	50%	0.99	0.90	1.07															
C17 Hexagon	48%		4	4		N/A	N/A	N/A	N/A			1%	47%	42%	19%	19%	44%	0.99	0.90	1.07															
C18 Hexagon	32%		4	4		N/A	N/A	N/A	N/A			1%	62%	56%	15%	15%	58%	0.99	0.90	1.07															
C19 Hexagon	16%		4	4		N/A	N/A	N/A	N/A			1%	76%	69%	12%	12%	71%	0.99	0.90	1.07															
C81 Hexagon	68%		4	4		N/A	N/A	N/A	N/A			0%	29%	26%	23%	23%	27%	0.99	0.90	1.07															
C82 Hexagon	36%		4	4		N/A	N/A	N/A	N/A			1%	58%	52%	16%	16%	54%	0.99	0.90	1.07															
C83 Hexagon	36%		4	4		N/A	N/A	N/A	N/A			1%	58%	52%	16%	16%	54%	0.99	0.90	1.07															
C84 Hexagon	52%		4	4		N/A	N/A	N/A	N/A			0%	43%	39%	19%	19%	41%	0.99	0.90	1.07															
C85 Hexagon	22%		4	4		N/A	N/A	N/A	N/A			1%	71%	64%	13%	13%	67%	0.99	0.90	1.07															
C91 Hexagon	69%		4	4		N/A	N/A	N/A	N/A			0%	28%	25%	23%	23%	26%	0.99	0.90	1.07															
C92 Hexagon	53%		4	4		N/A	N/A	N/A	N/A			0%	43%	38%	20%	20%	40%	0.99	0.90	1.07															
C93 Hexagon	37%		4	4		N/A	N/A	N/A	N/A			1%	57%	51%	16%	16%	53%	0.99	0.90	1.07															
C94 Hexagon	10%		4	4		N/A	N/A	N/A	N/A			1%	82%	74%	10%	10%	77%	0.99	0.90	1.07															
C95 Hexagon	32%		4	4		N/A	N/A	N/A	N/A			1%	62%	56%	15%	15%	58%	0.99	0.90	1.07															
C96 Hexagon	47%		4	4		N/A	N/A	N/A	N/A			1%	48%	43%	18%	18%	45%	0.99	0.90	1.07															
C101 Parallelogram	63%		4	4		N/A	N/A	N/A	N/A			0%	34%	30%	22%	22%	31%	0.99	0.90	1.07															
C102 Parallelogram	30%		4	4		N/A	N/A	N/A	N/A			1%	64%	57%	15%	15%	60%	0.99	0.90	1.07															
C103 Parallelogram	37%		4	4		N/A	N/A	N/A	N/A			1%	58%	52%	16%	16%	54%	0.99	0.90	1.07															
C104 Parallelogram	32%		4	4		N/A	N/A	N/A	N/A			1%	62%	56%	15%	15%	58%	0.99	0.90	1.07															
C105 Parallelogram	23%		4	4		N/A	N/A	N/A	N/A			1%	70%	63%	13%	13%	65%	0.99	0.90	1.07															
C106 Parallelogram	50%		4	4		N/A	N/A	N/A	N/A			1%	46%	41%	19%	19%	43%	0.99	0.90	1.07															
C111 Parallelogram	53%		4	4		N/A	N/A	N/A	N/A			0%	43%	38%	20%	20%	40%	0.99	0.90	1.07															
C112 Parallelogram	60%		4	4		N/A	N/A	N/A	N/A			1%	55%	49%	17%	17%	51%	0.99	0.90	1.07															
C113 Parallelogram	63%		4	4		N/A	N/A	N/A	N/A			1%	52%	47%	18%	18%	48%	0.99	0.90	1.07															
C114 Parallelogram	27%		4	4		N/A	N/A	N/A	N/A			1%	67%	60%	14%	14%	62%	0.99	0.90	1.07															
C115 Parallelogram	40%		4	4		N/A	N/A	N/A	N/A			1%	55%	49%	17%	17%	51%	0.99	0.90	1.07															
C116 Parallelogram	27%		4	4		N/A	N/A	N/A	N/A			1%	67%	60%	14%	14%	62%	0.99	0.90	1.07															

Panel Layers		Layers					Visible Light Total Solar Reflectance					Solar Heat U-Value (BTU/hrft2)		Light to			
LowIron-LowIron																	
Panel Type	Shape	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	UV Visible Light Transmittance	Visible Light Transmittance	Total Solar Reflectance	Winter	Summer	Gain					
Area			Th ickn es s	Th ickn es s	Size Thickness	Size Thickness	Nighttime	Daytime	Exterior	Interior	Coefficient	Winter	Summer	Gain			
Non-ActiveAny	Shape0%		6	6	N/A	N/A	N/A	N/A	0%	90%	81%	8%	85%	0.97	0.88	1.06	
A1	Rectangle 92%		6	6	N/A	N/A	N/A	N/A	0%	7%	7%	28%	28%	7%	0.97	0.88	1.06
A2	Rectangle 61%		6	6	N/A	N/A	N/A	N/A	0%	35%	31%	21%	21%	33%	0.97	0.88	1.06
A3	Rectangle 61%		6	6	N/A	N/A	N/A	N/A	0%	35%	31%	21%	21%	33%	0.97	0.88	1.06
A4	Rectangle 31%		6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
A5	Rectangle 31%		6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
A6	Rectangle 15%		6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
A7	Rectangle 31%		6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
A8	Rectangle 46%		6	6	N/A	N/A	N/A	N/A	0%	49%	44%	18%	18%	46%	0.97	0.88	1.06
A21	Rectangle 76%		6	6	N/A	N/A	N/A	N/A	0%	21%	19%	25%	25%	20%	0.97	0.88	1.06
A22	Rectangle 38%		6	6	N/A	N/A	N/A	N/A	0%	56%	50%	16%	16%	53%	0.97	0.88	1.06
A23	Rectangle 15%		6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
A24	Rectangle 46%		6	6	N/A	N/A	N/A	N/A	0%	49%	44%	18%	18%	46%	0.97	0.88	1.06
A25	Rectangle 31%		6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
A26	Rectangle 15%		6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
A27	Rectangle 23%		6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
A31	Rectangle 31%		6	6	N/A	N/A	N/A	N/A	0%	62%	56%	15%	15%	59%	0.97	0.88	1.06
A32	Rectangle 20%		6	6	N/A	N/A	N/A	N/A	0%	72%	64%	12%	12%	68%	0.97	0.88	1.06
A33	Rectangle 10%		6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	76%	0.97	0.88	1.06
A34	Rectangle 5%		6	6	N/A	N/A	N/A	N/A	0%	85%	77%	9%	9%	81%	0.97	0.88	1.06
A41	Rectangle 7%		6	6	N/A	N/A	N/A	N/A	0%	24%	21%	24%	24%	22%	0.97	0.88	1.06
A42	Rectangle 47%		6	6	N/A	N/A	N/A	N/A	0%	48%	43%	18%	18%	45%	0.97	0.88	1.06
A43	Rectangle 14%		6	6	N/A	N/A	N/A	N/A	0%	77%	70%	11%	11%	73%	0.97	0.88	1.06
A44	Rectangle 10%		6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	76%	0.97	0.88	1.06
A45	Rectangle 43%		6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
A46	Rectangle 80%		6	6	N/A	N/A	N/A	N/A	0%	36%	33%	21%	21%	34%	0.97	0.88	1.06
A51	Rectangle 57%		6	6	N/A	N/A	N/A	N/A	0%	38%	35%	21%	21%	36%	0.97	0.88	1.06
A52	Rectangle 29%		6	6	N/A	N/A	N/A	N/A	0%	66%	59%	14%	14%	62%	0.97	0.88	1.06
A53	Rectangle 24%		6	6	N/A	N/A	N/A	N/A	0%	71%	63%	13%	13%	67%	0.97	0.88	1.06
A54	Rectangle 89%		6	6	N/A	N/A	N/A	N/A	0%	12%	11%	27%	27%	11%	0.97	0.88	1.06
A55	Rectangle 64%		6	6	N/A	N/A	N/A	N/A	0%	28%	25%	23%	23%	27%	0.97	0.88	1.06
A56	Rectangle 64%		6	6	N/A	N/A	N/A	N/A	0%	35%	31%	21%	21%	33%	0.97	0.88	1.06
A11	Rectangle 44%		6	6	N/A	N/A	N/A	N/A	0%	49%	44%	18%	18%	46%	0.97	0.88	1.06
A12	Rectangle 24%		6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
A13	Rectangle 24%		6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
A14	Rectangle 24%		6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	66%	0.97	0.88	1.06
A15	Rectangle 11%		6	6	N/A	N/A	N/A	N/A	0%	80%	72%	11%	11%	75%	0.97	0.88	1.06
A16	Rectangle 34%		6	6	N/A	N/A	N/A	N/A	0%	59%	53%	16%	16%	56%	0.97	0.88	1.06
A121	Rectangle 36%		6	6	N/A	N/A	N/A	N/A	0%	58%	52%	16%	16%	55%	0.97	0.88	1.06
A122	Rectangle 15%		6	6	N/A	N/A	N/A	N/A	0%	76%	69%	11%	11%	72%	0.97	0.88	1.06
A123	Rectangle 20%		6	6	N/A	N/A	N/A	N/A	0%	72%	64%	12%	12%	68%	0.97	0.88	1.06
A124	Rectangle 36%		6	6	N/A	N/A	N/A	N/A	0%	58%	52%	16%	16%	55%	0.97	0.88	1.06
A125	Rectangle 25%		6	6	N/A	N/A	N/A	N/A	0%	67%	60%	14%	14%	63%	0.97	0.88	1.06
A126	Rectangle 18%		6	6	N/A	N/A	N/A	N/A	0%	74%	67%	12%	12%	70%	0.97	0.88	1.06
A127	Rectangle 18%		6	6	N/A	N/A	N/A	N/A	0%	74%	67%	12%	12%	70%	0.97	0.88	1.06
A128	Rectangle 8%		6	6	N/A	N/A	N/A	N/A	0%	83%	75%	10%	10%	79%	0.97	0.88	1.06
B1	Rectangle-Half 587%		6	6	N/A	N/A	N/A	N/A	0%	11%	10%	27%	27%	11%	0.97	0.88	1.06
B2	Rectangle-Half 558%		6	6	N/A	N/A	N/A	N/A	0%	30%	34%	21%	21%	35%	0.97	0.88	1.06
B3	Rectangle-Half 558%		6	6	N/A	N/A	N/A	N/A	0%	30%	34%	21%	21%	35%	0.97	0.88	1.06
B4	Rectangle-Half 529%		6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
B5	Rectangle-Half 529%		6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
B6	Rectangle-Half 515%		6	6	N/A	N/A	N/A	N/A	0%	77%	69%	11%	11%	73%	0.97	0.88	1.06
B7	Rectangle-Half 529%		6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
B8	Rectangle-Half 544%		6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
B21	Rectangle-Half 573%		6	6	N/A	N/A	N/A	N/A	0%	24%	23%	24%	24%	23%	0.97	0.88	1.06
B22	Rectangle-Half 544%		6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
B23	Rectangle-Half 515%		6	6	N/A	N/A	N/A	N/A	0%	77%	69%	11%	11%	73%	0.97	0.88	1.06
B24	Rectangle-Half 558%		6	6	N/A	N/A	N/A	N/A	0%	38%	34%	21%	21%	35%	0.97	0.88	1.06
B25	Rectangle-Half 529%		6	6	N/A	N/A	N/A	N/A	0%	64%	57%	14%	14%	60%	0.97	0.88	1.06
B26	Rectangle-Half 544%		6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%	0.97	0.88	1.06
B31	Rectangle-Half 539%		6	6	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	0.97	0.88	1.06
B32	Rectangle-Half 519%		6	6	N/A	N/A	N/A	N/A	0%	73%	65%	12%	12%	68%	0.97	0.88	1.06
B33	Rectangle-Half 539%		6	6	N/A	N/A	N/A	N/A	0%	55%	50%	17%	17%	52%	0.97	0.88	1.06
B34	Rectangle-Half 519%		6	6	N/A	N/A	N/A	N/A	0%	73%	65%	12%	12%	68%	0.97	0.88	1.06
B35	Rectangle-Half 510%		6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	77%	0.97	0.88	1.06
B36	Rectangle-Half 532%		6	6	N/A	N/A	N/A	N/A	0%	62%	55%	15%	15%	58%	0.97	0.88	1.06
C1	Circle 60%		6	6	N/A	N/A	N/A	N/A	0%	36%	32%	21%	21%	34%	0.97	0.88	1.06
C12	Circle 40%		6	6	N/A	N/A	N/A	N/A	0%	54%	49%	17%	17%	51%	0.97	0.88	1.06
C13	Circle 20%		6	6	N/A	N/A	N/A	N/A	0%	72%	65%	12%	12%	68%	0.97	0.88	1.06
C21	Circle 78%		6	6	N/A	N/A	N/A	N/A	0%	20%	18%	25%	25%	18%	0.97	0.88	1.06
C22	Circle 79%		6	6	N/A	N/A	N/A	N/A	0%	19%	17%	25%	25%	18%	0.97	0.88	1.06
C23	Circle 42%		6	6	N/A	N/A	N/A	N/A	0%	52%	47%	17%	17%	49%	0.97	0.88	1.06
C24	Circle 38%		6	6	N/A	N/A	N/A	N/A	0%	56%	50%	16%	16%	52%	0.97	0.88	1.06
C25	Circle 65%		6	6	N/A	N/A	N/A	N/A	0%	31%	28%	22%	22%	30%	0.97	0.88	1.06
C31	Circle 70%		6	6	N/A	N/A	N/A	N/A	0%	27%	24%	23%	23%	25%	0.97		

Panel Layers		Layers				Visible				Solar Heat U-Value (BTU/hrft ² F)			
LowIron-LowIron						UV-Visible Light Total Solar Reflectance							
Panel TypeShape Area	Cell Coverage	Class L1	Class L2	Spacer	Class L3	Spacer	Class L4	Transmittance		Transmittance		Coefficient	
		Thickness	Thickness	Size	Thickness	Size	Thickness	Exterior	Interior	Exterior	Interior	Winter	Summer
C74 Triangle 47%		6	6	N/A	N/A	N/A	N/A	0%	47%	43%	18%	18%	45%
C75 Triangle 37%		6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%
C76 Triangle 41%		6	6	N/A	N/A	N/A	N/A	0%	53%	47%	17%	17%	50%
C17 Hexagon 48%		6	6	N/A	N/A	N/A	N/A	0%	47%	42%	19%	19%	44%
C18 Hexagon 32%		6	6	N/A	N/A	N/A	N/A	0%	61%	55%	15%	15%	58%
C19 Hexagon 16%		6	6	N/A	N/A	N/A	N/A	0%	76%	68%	12%	12%	71%
C81 Hexagon 68%		6	6	N/A	N/A	N/A	N/A	0%	29%	26%	23%	23%	27%
C82 Hexagon 36%		6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%
C83 Hexagon 36%		6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%
C84 Hexagon 52%		6	6	N/A	N/A	N/A	N/A	0%	43%	39%	19%	19%	41%
C85 Hexagon 22%		6	6	N/A	N/A	N/A	N/A	0%	70%	63%	13%	13%	67%
C91 Hexagon 69%		6	6	N/A	N/A	N/A	N/A	0%	28%	25%	23%	23%	26%
C92 Hexagon 53%		6	6	N/A	N/A	N/A	N/A	0%	42%	38%	20%	20%	40%
C93 Hexagon 37%		6	6	N/A	N/A	N/A	N/A	0%	56%	51%	16%	16%	53%
C94 Hexagon 10%		6	6	N/A	N/A	N/A	N/A	0%	81%	73%	10%	10%	77%
C95 Hexagon 32%		6	6	N/A	N/A	N/A	N/A	0%	62%	55%	15%	15%	58%
C96 Hexagon 47%		6	6	N/A	N/A	N/A	N/A	0%	47%	43%	18%	18%	45%
C101 Parallelogram 63%		6	6	N/A	N/A	N/A	N/A	0%	63%	57%	15%	15%	60%
C102 Parallelogram 30%		6	6	N/A	N/A	N/A	N/A	0%	57%	51%	16%	16%	54%
C103 Parallelogram 37%		6	6	N/A	N/A	N/A	N/A	0%	62%	55%	15%	15%	58%
C104 Parallelogram 32%		6	6	N/A	N/A	N/A	N/A	0%	69%	62%	13%	13%	65%
C105 Parallelogram 23%		6	6	N/A	N/A	N/A	N/A	0%	45%	41%	19%	19%	43%
C106 Parallelogram 50%		6	6	N/A	N/A	N/A	N/A	0%	42%	38%	20%	20%	40%
C111 Parallelogram 53%		6	6	N/A	N/A	N/A	N/A	0%	54%	49%	17%	17%	51%
C112 Parallelogram 49%		6	6	N/A	N/A	N/A	N/A	0%	51%	46%	18%	18%	48%
C113 Parallelogram 43%		6	6	N/A	N/A	N/A	N/A	0%	66%	59%	14%	14%	62%
C114 Parallelogram 27%		6	6	N/A	N/A	N/A	N/A	0%	54%	49%	17%	17%	51%
C115 Parallelogram 40%		6	6	N/A	N/A	N/A	N/A	0%	66%	59%	14%	14%	62%
C116 Parallelogram 27%		6	6	N/A	N/A	N/A	N/A	0%	66%	59%	14%	14%	62%

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)		Light to	
LowIron-LowIronLowE		Glass L1		Glass L2		Spacer Glass L3		Spacer Glass L4		Visible Light Transmittance		Solar Heat U-Value (BTU/hrft2F)	
Panel TypeShape Area	Cell Coverage	Th	ickn	es	s	Th	ickn	es	s	Daytime	Nighttime	Daytime	Nighttime
Non-ActiveAnyShape0%		3		3		N/A	N/A	N/A	N/A	0% 76% 38% 10% 9% 45% 1.00 0.90 1.69			
A1 Rectangle 92%		3		3		N/A	N/A	N/A	N/A	0% 6% 3% 28% 28% 4% 1.00 0.90 1.69			
A2 Rectangle 61%		3		3		N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 17% 1.00 0.90 1.69			
A3 Rectangle 61%		3		3		N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 17% 1.00 0.90 1.69			
A4 Rectangle 31%		3		3		N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 31% 1.00 0.90 1.69			
A5 Rectangle 31%		3		3		N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 31% 1.00 0.90 1.69			
A6 Rectangle 15%		3		3		N/A	N/A	N/A	N/A	0% 64% 32% 13% 12% 38% 1.00 0.90 1.69			
A7 Rectangle 31%		3		3		N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 31% 1.00 0.90 1.69			
A8 Rectangle 46%		3		3		N/A	N/A	N/A	N/A	0% 41% 21% 19% 19% 24% 1.00 0.90 1.69			
A21 Rectangle 76%		3		3		N/A	N/A	N/A	N/A	0% 18% 9% 25% 25% 11% 1.00 0.90 1.69			
A22 Rectangle 38%		3		3		N/A	N/A	N/A	N/A	0% 47% 23% 18% 17% 28% 1.00 0.90 1.69			
A23 Rectangle 15%		3		3		N/A	N/A	N/A	N/A	0% 64% 32% 13% 12% 38% 1.00 0.90 1.69			
A24 Rectangle 46%		3		3		N/A	N/A	N/A	N/A	0% 41% 21% 19% 19% 24% 1.00 0.90 1.69			
A25 Rectangle 31%		3		3		N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 31% 1.00 0.90 1.69			
A26 Rectangle 15%		3		3		N/A	N/A	N/A	N/A	0% 64% 32% 13% 12% 38% 1.00 0.90 1.69			
A27 Rectangle 23%		3		3		N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 1.00 0.90 1.69			
A31 Rectangle 31%		3		3		N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 31% 1.00 0.90 1.69			
A32 Rectangle 20%		3		3		N/A	N/A	N/A	N/A	0% 61% 30% 14% 13% 36% 1.00 0.90 1.69			
A33 Rectangle 10%		3		3		N/A	N/A	N/A	N/A	0% 68% 34% 12% 11% 40% 1.00 0.90 1.69			
A34 Rectangle 5%		3		3		N/A	N/A	N/A	N/A	0% 72% 36% 11% 10% 43% 1.00 0.90 1.69			
A41 Rectangle 74%		3		3		N/A	N/A	N/A	N/A	0% 20% 10% 25% 25% 12% 1.00 0.90 1.69			
A42 Rectangle 47%		3		3		N/A	N/A	N/A	N/A	0% 40% 20% 19% 19% 24% 1.00 0.90 1.69			
A43 Rectangle 14%		3		3		N/A	N/A	N/A	N/A	0% 65% 33% 13% 12% 39% 1.00 0.90 1.69			
A44 Rectangle 10%		3		3		N/A	N/A	N/A	N/A	0% 68% 34% 12% 11% 40% 1.00 0.90 1.69			
A45 Rectangle 43%		3		3		N/A	N/A	N/A	N/A	0% 43% 22% 19% 18% 26% 1.00 0.90 1.69			
A46 Rectangle 89%		3		3		N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 18% 1.00 0.90 1.69			
A51 Rectangle 57%		3		3		N/A	N/A	N/A	N/A	0% 32% 16% 21% 21% 19% 1.00 0.90 1.69			
A52 Rectangle 29%		3		3		N/A	N/A	N/A	N/A	0% 56% 28% 15% 15% 33% 1.00 0.90 1.69			
A53 Rectangle 24%		3		3		N/A	N/A	N/A	N/A	0% 60% 30% 14% 14% 35% 1.00 0.90 1.69			
A54 Rectangle 87%		3		3		N/A	N/A	N/A	N/A	0% 10% 5% 27% 27% 6% 1.00 0.90 1.69			
A55 Rectangle 64%		3		3		N/A	N/A	N/A	N/A	0% 24% 12% 24% 23% 14% 1.00 0.90 1.69			
A56 Rectangle 61%		3		3		N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 17% 1.00 0.90 1.69			
A111 Rectangle 46%		3		3		N/A	N/A	N/A	N/A	0% 41% 21% 19% 19% 24% 1.00 0.90 1.69			
A112 Rectangle 24%		3		3		N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 1.00 0.90 1.69			
A113 Rectangle 23%		3		3		N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 1.00 0.90 1.69			
A114 Rectangle 23%		3		3		N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 1.00 0.90 1.69			
A115 Rectangle 11%		3		3		N/A	N/A	N/A	N/A	0% 67% 34% 12% 11% 40% 1.00 0.90 1.69			
A116 Rectangle 34%		3		3		N/A	N/A	N/A	N/A	0% 50% 25% 17% 16% 30% 1.00 0.90 1.69			
A121 Rectangle 36%		3		3		N/A	N/A	N/A	N/A	0% 49% 24% 17% 16% 29% 1.00 0.90 1.69			
A122 Rectangle 15%		3		3		N/A	N/A	N/A	N/A	0% 64% 32% 13% 12% 38% 1.00 0.90 1.69			
A123 Rectangle 20%		3		3		N/A	N/A	N/A	N/A	0% 61% 30% 14% 13% 36% 1.00 0.90 1.69			
A124 Rectangle 36%		3		3		N/A	N/A	N/A	N/A	0% 49% 24% 17% 16% 29% 1.00 0.90 1.69			
A125 Rectangle 25%		3		3		N/A	N/A	N/A	N/A	0% 57% 28% 15% 14% 34% 1.00 0.90 1.69			
A126 Rectangle 18%		3		3		N/A	N/A	N/A	N/A	0% 62% 31% 14% 13% 37% 1.00 0.90 1.69			
A127 Rectangle 18%		3		3		N/A	N/A	N/A	N/A	0% 62% 31% 14% 13% 37% 1.00 0.90 1.69			
A128 Rectangle 8%		3		3		N/A	N/A	N/A	N/A	0% 70% 35% 12% 11% 42% 1.00 0.90 1.69			
B1Rectangle-Half 587%		3		3		N/A	N/A	N/A	N/A	0% 10% 5% 27% 27% 6% 1.00 0.90 1.69			
B2Rectangle-Half 558%		3		3		N/A	N/A	N/A	N/A	0% 32% 16% 22% 21% 19% 1.00 0.90 1.69			
B3Rectangle-Half 558%		3		3		N/A	N/A	N/A	N/A	0% 32% 16% 22% 21% 19% 1.00 0.90 1.69			
B4Rectangle-Half 529%		3		3		N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 32% 1.00 0.90 1.69			
B5Rectangle-Half 529%		3		3		N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 32% 1.00 0.90 1.69			
B6Rectangle-Half 515%		3		3		N/A	N/A	N/A	N/A	0% 65% 32% 13% 12% 38% 1.00 0.90 1.69			
B7Rectangle-Half 529%		3		3		N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 32% 1.00 0.90 1.69			
B8Rectangle-Half 544%		3		3		N/A	N/A	N/A	N/A	0% 43% 21% 19% 18% 25% 1.00 0.90 1.69			
B21Rectangle-Half 573%		3		3		N/A	N/A	N/A	N/A	0% 21% 10% 25% 24% 12% 1.00 0.90 1.69			
B22Rectangle-Half 544%		3		3		N/A	N/A	N/A	N/A	0% 43% 21% 19% 18% 25% 1.00 0.90 1.69			
B23Rectangle-Half 515%		3		3		N/A	N/A	N/A	N/A	0% 65% 32% 13% 12% 38% 1.00 0.90 1.69			
B24Rectangle-Half 558%		3		3		N/A	N/A	N/A	N/A	0% 32% 16% 22% 21% 19% 1.00 0.90 1.69			
B25Rectangle-Half 529%		3		3		N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 32% 1.00 0.90 1.69			
B26Rectangle-Half 544%		3		3		N/A	N/A	N/A	N/A	0% 43% 21% 19% 18% 25% 1.00 0.90 1.69			
B31Rectangle-Half 539%		3		3		N/A	N/A	N/A	N/A	0% 46% 23% 18% 17% 28% 1.00 0.90 1.69			
B32Rectangle-Half 519%		3		3		N/A	N/A	N/A	N/A	0% 61% 31% 14% 13% 36% 1.00 0.90 1.69			
B33Rectangle-Half 539%		3		3		N/A	N/A	N/A	N/A	0% 46% 23% 18% 17% 28% 1.00 0.90 1.69			
B34Rectangle-Half 519%		3		3		N/A	N/A	N/A	N/A	0% 61% 31% 14% 13% 36% 1.00 0.90 1.69			
B35Rectangle-Half 510%		3		3		N/A	N/A	N/A	N/A	0% 69% 34% 12% 11% 41% 1.00 0.90 1.69			
B36Rectangle-Half 532%		3		3		N/A	N/A	N/A	N/A	0% 52% 26% 16% 16% 31% 1.00 0.90 1.69			
C1 Circle 60%		3		3		N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 18% 1.00 0.90 1.69			
C12 Circle 40%		3		3		N/A	N/A	N/A	N/A	0% 46% 23% 18% 17% 27% 1.00 0.90 1.69			
C13 Circle 20%		3		3		N/A	N/A	N/A	N/A	0% 61% 30% 14% 13% 36% 1.00 0.90 1.69			
C21 Circle 78%		3		3		N/A	N/A	N/A	N/A	0% 17% 8% 26% 25% 10% 1.00 0.90 1.69			
C22 Circle 79%		3		3		N/A	N/A	N/A	N/A	0% 16% 8% 26% 26% 9% 1.00 0.90 1.69			
C23 Circle 42%		3		3		N/A	N/A	N/A	N/A	0% 44% 22% 18% 18% 26% 1.00 0.90 1.69			
C24 Circle 38%		3		3		N/A	N/A	N/A	N/A	0% 47% 23% 18% 17% 28% 1.00 0.90 1.69			
C25 Circle 65%		3		3		N/A	N/A	N/A	N/A	0% 26% 13% 23% 23% 16% 1.00 0.90 1.69			
C31 Circle 70%		3		3		N/A	N/A	N/A	N/A	0% 23% 11% 24% 24% 13% 1.00 0.90 1.69			
C32 Circle 57%		3		3		N/A	N/A	N/A	N/A	0% 33% 16% 21% 21% 19% 1.00 0.90 1.69			
C33 Circle 35%		3		3		N/A	N/A	N/A	N/A	0% 49% 25% 17% 16% 29% 1.00 0.90 1.69			
C34 Circle 63%		3		3		N/A	N/A	N/A	N/A	0% 28% 14% 23% 22% 17% 1.00 0.90 1.69			
C35 Circle 40%		3		3		N/A	N/A	N/A	N/A	0% 46% 23% 18% 17% 27% 1.00 0.90 1.69			
C36 Circle 20%		3		3		N/A	N/A	N/A	N/A	0% 61% 30% 14% 13% 36% 1.00 0.90 1.69			
C41 Circle 52%		3		3		N/A	N/A	N/A	N/A	0% 36% 18% 20% 20% 22% 1.00 0.90 1.69			
C42 Circle 34%		3		3		N/A	N/A	N/A	N/A	0% 50% 25% 17% 16% 30% 1.00 0.90 1.69			
C43 Circle 44%		3		3		N/A	N/A	N/A	N/A	0% 43% 21% 19% 18% 25% 1.00 0.90 1.69			

Panel Layers		Layers						Visible				Solar Heat U-Value (BTU/hrft²F)				Light to
LowIron-LowIronLowE								UV Visible Light Total Solar Reflectance								
Panel TypeShape Area	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	% Transmittance								
		Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Nighttime	Daytime	Exterior	Interior	Coefficient	Winter	Summer	Gain	
C74 Triangle 47%		3	3	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	1.00	0.90	1.69
C75 Triangle 37%		3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	1.00	0.90	1.69
C76 Triangle 41%		3	3	N/A	N/A	N/A	N/A	0%	45%	22%	18%	18%	26%	1.00	0.90	1.69
C17 Hexagon 48%		3	3	N/A	N/A	N/A	N/A	0%	39%	20%	20%	19%	23%	1.00	0.90	1.69
C18 Hexagon 32%		3	3	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	1.00	0.90	1.69
C19 Hexagon 16%		3	3	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	1.00	0.90	1.69
C81 Hexagon 68%		3	3	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	1.00	0.90	1.69
C82 Hexagon 36%		3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	1.00	0.90	1.69
C83 Hexagon 36%		3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	1.00	0.90	1.69
C84 Hexagon 52%		3	3	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	21%	1.00	0.90	1.69
C85 Hexagon 22%		3	3	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	35%	1.00	0.90	1.69
C91 Hexagon 69%		3	3	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	1.00	0.90	1.69
C92 Hexagon 53%		3	3	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	1.00	0.90	1.69
C93 Hexagon 37%		3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	1.00	0.90	1.69
C94 Hexagon 10%		3	3	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	1.00	0.90	1.69
C95 Hexagon 32%		3	3	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	1.00	0.90	1.69
C96 Hexagon 47%		3	3	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	1.00	0.90	1.69
C101 Parallelogram 63%		3	3	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	1.00	0.90	1.69
C102 Parallelogram 30%		3	3	N/A	N/A	N/A	N/A	0%	53%	27%	16%	15%	32%	1.00	0.90	1.69
C103 Parallelogram 37%		3	3	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	1.00	0.90	1.69
C104 Parallelogram 32%		3	3	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	1.00	0.90	1.69
C105 Parallelogram 23%		3	3	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	1.00	0.90	1.69
C106 Parallelogram 50%		3	3	N/A	N/A	N/A	N/A	0%	38%	19%	20%	19%	23%	1.00	0.90	1.69
C111 Parallelogram 53%		3	3	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	1.00	0.90	1.69
C112 Parallelogram 60%		3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	1.00	0.90	1.69
C113 Parallelogram 63%		3	3	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	1.00	0.90	1.69
C114 Parallelogram 27%		3	3	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	1.00	0.90	1.69
C115 Parallelogram 40%		3	3	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	1.00	0.90	1.69
C116 Parallelogram 27%		3	3	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	1.00	0.90	1.69

Panel Layers			Layers						Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)		Light to		
LowIron-LowIronLowE																	
Panel Type	Shape	Area	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer	Glass L3 Thickness	Spacer	Glass L4 Thickness	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	U-Value	Light to		
Non-Active	Any	Shape	0%				N/A	N/A	N/A	0%	76%	38%	10%	9%	45%	0.99	0.90
	A1	Rectangle	92%				N/A	N/A	N/A	0%	6%	3%	28%	28%	4%	0.99	0.90
A2	Rectangle	61%					N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	0.99	0.90
A3	Rectangle	61%					N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	0.99	0.90
A4	Rectangle	31%					N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90
A5	Rectangle	31%					N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90
A6	Rectangle	15%					N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90
A7	Rectangle	31%					N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90
	A8	Rectangle	46%				N/A	N/A	N/A	0%	41%	21%	18%	19%	24%	0.99	0.90
A21	Rectangle	76%					N/A	N/A	N/A	0%	18%	9%	25%	25%	11%	0.99	0.90
A22	Rectangle	38%					N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.99	0.90
A23	Rectangle	15%					N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90
A24	Rectangle	46%					N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	0.99	0.90
A25	Rectangle	31%					N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90
A26	Rectangle	15%					N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90
A27	Rectangle	23%					N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90
A31	Rectangle	31%					N/A	N/A	N/A	0%	53%	26%	16%	15%	31%	0.99	0.90
A32	Rectangle	20%					N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90
A33	Rectangle	10%					N/A	N/A	N/A	0%	68%	34%	12%	11%	40%	0.99	0.90
A34	Rectangle	5%					N/A	N/A	N/A	0%	72%	36%	11%	10%	43%	0.99	0.90
A41	Rectangle	7%					N/A	N/A	N/A	0%	20%	10%	25%	25%	12%	0.99	0.90
A42	Rectangle	7%					N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.99	0.90
A43	Rectangle	4%					N/A	N/A	N/A	0%	65%	33%	13%	12%	39%	0.99	0.90
A44	Rectangle	10%					N/A	N/A	N/A	0%	68%	34%	12%	11%	40%	0.99	0.90
A45	Rectangle	4%					N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.99	0.90
A46	Rectangle	6%					N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.99	0.90
A51	Rectangle	5%					N/A	N/A	N/A	0%	32%	16%	21%	21%	19%	0.99	0.90
A52	Rectangle	2%					N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	0.99	0.90
A53	Rectangle	2%					N/A	N/A	N/A	0%	60%	30%	14%	14%	35%	0.99	0.90
A54	Rectangle	8%					N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.99	0.90
A55	Rectangle	6%					N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.99	0.90
A56	Rectangle	6%					N/A	N/A	N/A	0%	30%	15%	22%	22%	17%	0.99	0.90
A11	Rectangle	4%					N/A	N/A	N/A	0%	41%	21%	19%	19%	24%	0.99	0.90
A12	Rectangle	23%					N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90
A13	Rectangle	23%					N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90
A14	Rectangle	23%					N/A	N/A	N/A	0%	59%	29%	15%	14%	35%	0.99	0.90
A15	Rectangle	11%					N/A	N/A	N/A	0%	67%	34%	12%	11%	40%	0.99	0.90
A16	Rectangle	3%					N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.99	0.90
A121	Rectangle	3%					N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	0.99	0.90
A122	Rectangle	15%					N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90
A123	Rectangle	20%					N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90
A124	Rectangle	36%					N/A	N/A	N/A	0%	49%	24%	17%	16%	29%	0.99	0.90
A125	Rectangle	25%					N/A	N/A	N/A	0%	57%	28%	15%	14%	34%	0.99	0.90
A126	Rectangle	18%					N/A	N/A	N/A	0%	62%	31%	14%	13%	37%	0.99	0.90
A127	Rectangle	18%					N/A	N/A	N/A	0%	62%	31%	14%	13%	37%	0.99	0.90
A128	Rectangle	8%					N/A	N/A	N/A	0%	70%	35%	12%	11%	42%	0.99	0.90
	B1	Rectangle-Half	587%				N/A	N/A	N/A	0%	10%	5%	27%	27%	6%	0.99	0.90
	B2	Rectangle-Half	558%				N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.99	0.90
	B3	Rectangle-Half	558%				N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.99	0.90
B4	Rectangle-Half	529%					N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	0.99	0.90
	B5	Rectangle-Half	529%				N/A	N/A	N/A	0%	65%	32%	13%	12%	38%	0.99	0.90
B6	Rectangle-Half	515%					N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	0.99	0.90
B7	Rectangle-Half	529%					N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90
	B8	Rectangle-Half	544%				N/A	N/A	N/A	0%	21%	10%	25%	24%	12%	0.99	0.90
B21	Rectangle-Half	573%					N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90
B22	Rectangle-Half	544%					N/A	N/A	N/A	0%	65%	32%	13%	12%	38%	0.99	0.90
B23	Rectangle-Half	515%					N/A	N/A	N/A	0%	32%	16%	22%	21%	19%	0.99	0.90
B24	Rectangle-Half	558%					N/A	N/A	N/A	0%	54%	27%	16%	15%	32%	0.99	0.90
B25	Rectangle-Half	529%					N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90
B26	Rectangle-Half	544%					N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.99	0.90
B31	Rectangle-Half	539%					N/A	N/A	N/A	0%	61%	31%	14%	13%	36%	0.99	0.90
B32	Rectangle-Half	519%					N/A	N/A	N/A	0%	46%	23%	18%	17%	28%	0.99	0.90
B33	Rectangle-Half	539%					N/A	N/A	N/A	0%	61%	31%	14%	13%	36%	0.99	0.90
B34	Rectangle-Half	519%					N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	0.99	0.90
B35	Rectangle-Half	510%					N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90
B36	Rectangle-Half	532%					N/A	N/A	N/A	0%	30%	15%	22%	22%	18%	0.99	0.90
	C1	Circle	60%				N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	0.99	0.90
C12	Circle	40%					N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90
C13	Circle	20%					N/A	N/A	N/A	0%	17%	8%	26%	25%	10%	0.99	0.90
C21	Circle	78%					N/A	N/A	N/A	0%	16%	8%	26%	26%	9%	0.99	0.90
C22	Circle	79%					N/A	N/A	N/A	0%	44%	22%	18%	18%	26%	0.99	0.90
C23	Circle	42%					N/A	N/A	N/A	0%	47%	23%	18%	17%	28%	0.99	0.90
C24	Circle	38%					N/A	N/A	N/A	0%	26%	13%	23%	23%	16%	0.99	0.90
C25	Circle	65%					N/A	N/A	N/A	0%	23%	11%	24%	24%	13%	0.99	0.90
C31	Circle	70%					N/A	N/A	N/A	0%	33%	16%	21%	21%	19%	0.99	0.90
C32	Circle	57%					N/A	N/A	N/A	0%	49%	25%	17%	16%	29%	0.99	0.90
C33	Circle	35%					N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.99	0.90
C34	Circle	63%					N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	0.99	0.90
C35	Circle	40%					N/A	N/A	N/A	0%	61%	30%	14%	13%	36%	0.99	0.90
C36	Circle	20%					N/A	N/A	N/A	0%	36%	18%	20%	20%	22%	0.99	0.90
C41	Circle	52%					N/A	N/A	N/A	0%	50%	25%	17%	16%	30%	0.99	0.90
C42	Circle	34%					N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90
C43	Circle	44%					N/A	N/A	N/A	0%	35%	18%	21%	20%	21%	0.99	0.90
C51	Circle	54%					N/A	N/A	N/A	0%	43%	21%	19%	18%	25%	0.99	0.90
C52	Circle	44%															

Panel Layers		Layers								Visible				Solar Heat U-Value (BTU/hrft²F)		Light to	
LowIron-LowIronLowE		Cell Coverage	Glass L1		Glass L2		Spacer Glass L3		Spacer Glass L4		Visible		Solar Heat U-Value (BTU/hrft²F)		Light to		
Panel Type	Shape Area		Th ickn es s	Th ickn es s	Size Thickness	Size Thickness	Size Thickness	Size Thickness	U-Value	U-Value	Interior	Exterior	Interior	Exterior			
C74	Triangle 47%	4	4	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.99	0.90	1.69	
C75	Triangle 37%	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	0.99	0.90	1.69	
C76	Triangle 41%	4	4	N/A	N/A	N/A	N/A	0%	45%	22%	18%	18%	26%	0.99	0.90	1.69	
C17	Hexagon 48%	4	4	N/A	N/A	N/A	N/A	0%	39%	20%	20%	19%	23%	0.99	0.90	1.69	
C18	Hexagon 32%	4	4	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90	1.69	
C19	Hexagon 16%	4	4	N/A	N/A	N/A	N/A	0%	64%	32%	13%	12%	38%	0.99	0.90	1.69	
C81	Hexagon 68%	4	4	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.99	0.90	1.69	
C82	Hexagon 36%	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.99	0.90	1.69	
C83	Hexagon 36%	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.99	0.90	1.69	
C84	Hexagon 52%	4	4	N/A	N/A	N/A	N/A	0%	36%	18%	20%	20%	21%	0.99	0.90	1.69	
C85	Hexagon 22%	4	4	N/A	N/A	N/A	N/A	0%	60%	30%	14%	14%	35%	0.99	0.90	1.69	
C91	Hexagon 69%	4	4	N/A	N/A	N/A	N/A	0%	24%	12%	24%	23%	14%	0.99	0.90	1.69	
C92	Hexagon 53%	4	4	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	0.99	0.90	1.69	
C93	Hexagon 37%	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	28%	0.99	0.90	1.69	
C94	Hexagon 10%	4	4	N/A	N/A	N/A	N/A	0%	69%	34%	12%	11%	41%	0.99	0.90	1.69	
C95	Hexagon 32%	4	4	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90	1.69	
C96	Hexagon 47%	4	4	N/A	N/A	N/A	N/A	0%	40%	20%	19%	19%	24%	0.99	0.90	1.69	
C101	Parallelogram 63%	4	4	N/A	N/A	N/A	N/A	0%	28%	14%	23%	22%	17%	0.99	0.90	1.69	
C102	Parallelogram 30%	4	4	N/A	N/A	N/A	N/A	0%	53%	27%	16%	15%	32%	0.99	0.90	1.69	
C103	Parallelogram 37%	4	4	N/A	N/A	N/A	N/A	0%	48%	24%	17%	17%	29%	0.99	0.90	1.69	
C104	Parallelogram 32%	4	4	N/A	N/A	N/A	N/A	0%	52%	26%	16%	16%	31%	0.99	0.90	1.69	
C105	Parallelogram 23%	4	4	N/A	N/A	N/A	N/A	0%	58%	29%	15%	14%	35%	0.99	0.90	1.69	
C106	Parallelogram 50%	4	4	N/A	N/A	N/A	N/A	0%	38%	19%	20%	19%	23%	0.99	0.90	1.69	
C111	Parallelogram 53%	4	4	N/A	N/A	N/A	N/A	0%	36%	18%	21%	20%	21%	0.99	0.90	1.69	
C112	Parallelogram 60%	4	4	N/A	N/A	N/A	N/A	0%	46%	23%	18%	17%	27%	0.99	0.90	1.69	
C113	Parallelogram 63%	4	4	N/A	N/A	N/A	N/A	0%	43%	22%	19%	18%	26%	0.99	0.90	1.69	
C114	Parallelogram 22%	4	4	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	0.99	0.90	1.69	
C115	Parallelogram 40%	4	4	N/A	N/A	N/A	N/A	0%	48%	23%	18%	17%	27%	0.99	0.90	1.69	
C116	Parallelogram 27%	4	4	N/A	N/A	N/A	N/A	0%	56%	28%	15%	15%	33%	0.99	0.90	1.69	

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ²)		Light to	
LowIron-LowIronLowE													
Panel Type	Shape	Area	Cell Coverage	Glass L1		Glass L2		Spacer Glass L3		Spacer Glass L4		Visible Light Total Solar Reflectance	
				Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Exterior Coefficient	Interior Coefficient
Non-ActiveAny	Shape0%			6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 76% 38% 10% 9% 46% 0.97 0.88 1.65	0% 76% 38% 10% 9% 46% 0.97 0.88 1.65
A1	Rectangle	92%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 6% 3% 28% 28% 4% 0.97 0.88 1.65	0% 6% 3% 28% 28% 4% 0.97 0.88 1.65
A2	Rectangle	61%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65
A3	Rectangle	61%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65
A4	Rectangle	31%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65
A5	Rectangle	31%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65
A6	Rectangle	15%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 44% 32% 13% 12% 39% 0.97 0.88 1.65	0% 44% 32% 13% 12% 39% 0.97 0.88 1.65
A7	Rectangle	31%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65
A8	Rectangle	46%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 41% 21% 19% 19% 26% 0.97 0.88 1.65	0% 41% 21% 19% 19% 26% 0.97 0.88 1.65
A21	Rectangle	76%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 18% 9% 25% 25% 11% 0.97 0.88 1.65	0% 18% 9% 25% 25% 11% 0.97 0.88 1.65
A22	Rectangle	38%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 47% 23% 18% 17% 28% 0.97 0.88 1.65	0% 47% 23% 18% 17% 28% 0.97 0.88 1.65
A23	Rectangle	15%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 64% 32% 13% 12% 39% 0.97 0.88 1.65	0% 64% 32% 13% 12% 39% 0.97 0.88 1.65
A24	Rectangle	46%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 41% 21% 19% 19% 26% 0.97 0.88 1.65	0% 41% 21% 19% 19% 26% 0.97 0.88 1.65
A25	Rectangle	31%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65
A26	Rectangle	15%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 64% 32% 13% 12% 39% 0.97 0.88 1.65	0% 64% 32% 13% 12% 39% 0.97 0.88 1.65
A27	Rectangle	23%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65
A31	Rectangle	31%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65	0% 53% 26% 16% 15% 32% 0.97 0.88 1.65
A32	Rectangle	20%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 61% 30% 14% 13% 37% 0.97 0.88 1.65	0% 61% 30% 14% 13% 37% 0.97 0.88 1.65
A33	Rectangle	10%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 68% 34% 12% 11% 41% 0.97 0.88 1.65	0% 68% 34% 12% 11% 41% 0.97 0.88 1.65
A34	Rectangle	5%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 72% 36% 11% 10% 44% 0.97 0.88 1.65	0% 72% 36% 11% 10% 44% 0.97 0.88 1.65
A41	Rectangle	74%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 20% 10% 25% 25% 12% 0.97 0.88 1.65	0% 20% 10% 25% 25% 12% 0.97 0.88 1.65
A42	Rectangle	47%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 40% 20% 19% 19% 24% 0.97 0.88 1.65	0% 40% 20% 19% 19% 24% 0.97 0.88 1.65
A43	Rectangle	14%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 65% 33% 13% 12% 40% 0.97 0.88 1.65	0% 65% 33% 13% 12% 40% 0.97 0.88 1.65
A44	Rectangle	10%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 68% 34% 12% 11% 41% 0.97 0.88 1.65	0% 68% 34% 12% 11% 41% 0.97 0.88 1.65
A45	Rectangle	43%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 43% 22% 19% 18% 26% 0.97 0.88 1.65	0% 43% 22% 19% 18% 26% 0.97 0.88 1.65
A46	Rectangle	80%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65
A51	Rectangle	57%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 32% 16% 21% 21% 20% 0.97 0.88 1.65	0% 32% 16% 21% 21% 20% 0.97 0.88 1.65
A52	Rectangle	29%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 56% 28% 15% 15% 34% 0.97 0.88 1.65	0% 56% 28% 15% 15% 34% 0.97 0.88 1.65
A53	Rectangle	24%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 60% 30% 14% 14% 36% 0.97 0.88 1.65	0% 60% 30% 14% 14% 36% 0.97 0.88 1.65
A54	Rectangle	89%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 10% 5% 27% 27% 6% 0.97 0.88 1.65	0% 10% 5% 27% 27% 6% 0.97 0.88 1.65
A55	Rectangle	64%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 24% 12% 24% 23% 14% 0.97 0.88 1.65	0% 24% 12% 24% 23% 14% 0.97 0.88 1.65
A56	Rectangle	64%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65
A11	Rectangle	44%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 41% 21% 19% 19% 26% 0.97 0.88 1.65	0% 41% 21% 19% 19% 26% 0.97 0.88 1.65
A12	Rectangle	24%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65
A13	Rectangle	24%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65
A14	Rectangle	24%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65	0% 59% 29% 15% 14% 35% 0.97 0.88 1.65
A15	Rectangle	11%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 67% 34% 12% 11% 41% 0.97 0.88 1.65	0% 67% 34% 12% 11% 41% 0.97 0.88 1.65
A16	Rectangle	34%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 50% 25% 17% 16% 30% 0.97 0.88 1.65	0% 50% 25% 17% 16% 30% 0.97 0.88 1.65
A21	Rectangle	36%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 49% 24% 17% 16% 30% 0.97 0.88 1.65	0% 49% 24% 17% 16% 30% 0.97 0.88 1.65
A22	Rectangle	15%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 64% 32% 13% 12% 39% 0.97 0.88 1.65	0% 64% 32% 13% 12% 39% 0.97 0.88 1.65
A23	Rectangle	20%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 61% 30% 14% 13% 37% 0.97 0.88 1.65	0% 61% 30% 14% 13% 37% 0.97 0.88 1.65
A24	Rectangle	36%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 49% 24% 17% 16% 30% 0.97 0.88 1.65	0% 49% 24% 17% 16% 30% 0.97 0.88 1.65
A25	Rectangle	25%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 57% 28% 15% 14% 34% 0.97 0.88 1.65	0% 57% 28% 15% 14% 34% 0.97 0.88 1.65
A26	Rectangle	18%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 62% 31% 14% 13% 38% 0.97 0.88 1.65	0% 62% 31% 14% 13% 38% 0.97 0.88 1.65
A27	Rectangle	18%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 62% 31% 14% 13% 38% 0.97 0.88 1.65	0% 62% 31% 14% 13% 38% 0.97 0.88 1.65
A28	Rectangle	8%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 70% 35% 12% 11% 42% 0.97 0.88 1.65	0% 70% 35% 12% 11% 42% 0.97 0.88 1.65
B1	Rectangle-Half	587%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 10% 5% 27% 27% 6% 0.97 0.88 1.65	0% 10% 5% 27% 27% 6% 0.97 0.88 1.65
B2	Rectangle-Half	558%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 32% 16% 22% 21% 19% 0.97 0.88 1.65	0% 32% 16% 22% 21% 19% 0.97 0.88 1.65
B3	Rectangle-Half	558%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 32% 16% 22% 21% 19% 0.97 0.88 1.65	0% 32% 16% 22% 21% 19% 0.97 0.88 1.65
B4	Rectangle-Half	529%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65
B5	Rectangle-Half	529%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65
B6	Rectangle-Half	515%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65
B7	Rectangle-Half	529%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 43% 21% 19% 18% 26% 0.97 0.88 1.65	0% 43% 21% 19% 18% 26% 0.97 0.88 1.65
B8	Rectangle-Half	544%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 21% 10% 25% 24% 12% 0.97 0.88 1.65	0% 21% 10% 25% 24% 12% 0.97 0.88 1.65
B21	Rectangle-Half	573%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 43% 21% 19% 18% 26% 0.97 0.88 1.65	0% 43% 21% 19% 18% 26% 0.97 0.88 1.65
B22	Rectangle-Half	544%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 66% 32% 13% 12% 39% 0.97 0.88 1.65	0% 66% 32% 13% 12% 39% 0.97 0.88 1.65
B23	Rectangle-Half	515%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 32% 16% 22% 21% 19% 0.97 0.88 1.65	0% 32% 16% 22% 21% 19% 0.97 0.88 1.65
B24	Rectangle-Half	558%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65	0% 54% 27% 16% 15% 33% 0.97 0.88 1.65
B25	Rectangle-Half	529%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 43% 21% 19% 18% 26% 0.97 0.88 1.65	0% 43% 21% 19% 18% 26% 0.97 0.88 1.65
B26	Rectangle-Half	544%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 46% 23% 18% 17% 28% 0.97 0.88 1.65	0% 46% 23% 18% 17% 28% 0.97 0.88 1.65
B31	Rectangle-Half	539%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 61% 31% 14% 13% 37% 0.97 0.88 1.65	0% 61% 31% 14% 13% 37% 0.97 0.88 1.65
B32	Rectangle-Half	519%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 46% 23% 18% 17% 28% 0.97 0.88 1.65	0% 46% 23% 18% 17% 28% 0.97 0.88 1.65
B33	Rectangle-Half	539%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 61% 31% 14% 13% 37% 0.97 0.88 1.65	0% 61% 31% 14% 13% 37% 0.97 0.88 1.65
B34	Rectangle-Half	519%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 69% 34% 12% 11% 42% 0.97 0.88 1.65	0% 69% 34% 12% 11% 42% 0.97 0.88 1.65
B35	Rectangle-Half	510%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 52% 26% 16% 15% 31% 0.97 0.88 1.65	0% 52% 26% 16% 15% 31% 0.97 0.88 1.65
B36	Rectangle-Half	532%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65	0% 30% 15% 22% 22% 18% 0.97 0.88 1.65
C1	Circle	60%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 46% 23% 18% 17% 28% 0.97 0.88 1.65	0% 46% 23% 18% 17% 28% 0.97 0.88 1.65
C12	Circle	40%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 61% 30% 14% 13% 37% 0.97 0.88 1.65	0% 61% 30% 14% 13% 37% 0.97 0.88 1.65
C13	Circle	20%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 17% 8% 26% 25% 10% 0.97 0.88 1.65	0% 17% 8% 26% 25% 10% 0.97 0.88 1.65
C21	Circle	78%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 16% 8% 26% 26% 10% 0.97 0.88 1.65	0% 16% 8% 26% 26% 10% 0.97 0.88 1.65
C22	Circle	79%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 44% 22% 18% 18% 26% 0.97 0.88 1.65	0% 44% 22% 18% 18% 26% 0.97 0.88 1.65
C23	Circle	42%		6	6	N/A	N/A	N/A	N/A	N/A	N/A	0% 47% 23% 18% 17% 28% 0.97 0.88 1.65	0% 47% 23% 18% 17% 28% 0.97 0.88 1.65

Panel Layers			Layers						Visible				Solar Heat U-Value (BTU/hrft²F)		Light to									
LowIron-LowIronLowE			Cell Coverage	Glass L1		Glass L2		Spacer	Glass L3		Glass L4		UV Visible Light Total Solar Reflectance		Nighttime	Daytime	Winter	Summer	Gain					
Panel Type	Shape	Area		Th ickn es s	Th ickn es s	Size Thickness		Size Thickness	Size Thickness		Size Thickness													
C74 Triangle	47%			6	6	N/A	N/A	N/A	N/A					0% 40% 20% 19% 19%						24% 0.97 0.88 1.65				
C75 Triangle	37%			6	6	N/A	N/A	N/A	N/A					0% 48% 24% 17% 17%						29% 0.97 0.88 1.65				
C76 Triangle	41%			6	6	N/A	N/A	N/A	N/A					0% 45% 22% 16% 18%						27% 0.97 0.88 1.65				
C17 Hexagon	48%			6	6	N/A	N/A	N/A	N/A					0% 39% 20% 20% 19%						24% 0.97 0.88 1.65				
C18 Hexagon	32%			6	6	N/A	N/A	N/A	N/A					0% 52% 26% 16% 16%						31% 0.97 0.88 1.65				
C19 Hexagon	16%			6	6	N/A	N/A	N/A	N/A					0% 64% 32% 13% 12%						39% 0.97 0.88 1.65				
C81 Hexagon	68%			6	6	N/A	N/A	N/A	N/A					0% 24% 12% 24%						23% 15% 0.97 0.88 1.65				
C82 Hexagon	36%			6	6	N/A	N/A	N/A	N/A					0% 48% 24% 17% 17%						29% 0.97 0.88 1.65				
C83 Hexagon	36%			6	6	N/A	N/A	N/A	N/A					0% 48% 24% 17% 17%						29% 0.97 0.88 1.65				
C84 Hexagon	52%			6	6	N/A	N/A	N/A	N/A					0% 60% 30% 14% 14%						36% 0.97 0.88 1.65				
C85 Hexagon	22%			6	6	N/A	N/A	N/A	N/A					0% 24% 12% 24%						23% 14% 0.97 0.88 1.65				
C91 Hexagon	69%			6	6	N/A	N/A	N/A	N/A					0% 36% 18% 21% 20%						22% 0.97 0.88 1.65				
C92 Hexagon	53%			6	6	N/A	N/A	N/A	N/A					0% 48% 24% 17% 17%						29% 0.97 0.88 1.65				
C93 Hexagon	37%			6	6	N/A	N/A	N/A	N/A					0% 69% 34% 12% 11%						41% 0.97 0.88 1.65				
C94 Hexagon	10%			6	6	N/A	N/A	N/A	N/A					0% 52% 26% 16% 16%						31% 0.97 0.88 1.65				
C95 Hexagon	32%			6	6	N/A	N/A	N/A	N/A					0% 40% 20% 19% 19%						24% 0.97 0.88 1.65				
C96 Hexagon	47%			6	6	N/A	N/A	N/A	N/A					0% 28% 14% 23%						22% 17% 0.97 0.88 1.65				
C101 Parallelogram	63%			6	6	N/A	N/A	N/A	N/A					0% 53% 27% 16% 15%						32% 0.97 0.88 1.65				
C102 Parallelogram	30%			6	6	N/A	N/A	N/A	N/A					0% 48% 24% 17% 17%						29% 0.97 0.88 1.65				
C103 Parallelogram	37%			6	6	N/A	N/A	N/A	N/A					0% 52% 26% 16% 16%						31% 0.97 0.88 1.65				
C104 Parallelogram	32%			6	6	N/A	N/A	N/A	N/A					0% 58% 29% 15% 14%						35% 0.97 0.88 1.65				
C105 Parallelogram	23%			6	6	N/A	N/A	N/A	N/A					0% 38% 19% 20% 19%						23% 0.97 0.88 1.65				
C106 Parallelogram	50%			6	6	N/A	N/A	N/A	N/A					0% 36% 18% 21%						20% 22% 0.97 0.88 1.65				
C111 Parallelogram	53%			6	6	N/A	N/A	N/A	N/A					0% 46% 23% 18%						17% 28% 0.97 0.88 1.65				
C112 Parallelogram	60%			6	6	N/A	N/A	N/A	N/A					0% 43% 22% 19%						18% 26% 0.97 0.88 1.65				
C113 Parallelogram	63%			6	6	N/A	N/A	N/A	N/A					0% 56% 28% 15%						15% 34% 0.97 0.88 1.65				
C114 Parallelogram	27%			6	6	N/A	N/A	N/A	N/A					0% 46% 23% 18%						17% 28% 0.97 0.88 1.65				
C115 Parallelogram	60%													0% 56% 28% 15%						15% 34% 0.97 0.88 1.65				
C116 Parallelogram	27%																							

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-Clear													
Panel TypeShape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	Visible Light Transmittance Daytime	Visible Light Transmittance Nighttime	Total Solar Reflectance Winter	Transmittance Summer	Gain	U-Value	Light to	Light to
Non-ActiveAny Shape0%		3	3	12.3 N/A	N/A	0%	82%	70%	15%	15%	76%	0.45	0.47
A1 Rectangle 92%		3	3	12.3 N/A	N/A	0%	7%	6%	29%	29%	6%	0.45	0.47
A2 Rectangle 61%		3	3	12.3 N/A	N/A	0%	32%	27%	24%	24%	30%	0.45	0.47
A3 Rectangle 61%		3	3	12.3 N/A	N/A	0%	32%	27%	24%	24%	30%	0.45	0.47
A4 Rectangle 31%		3	3	12.3 N/A	N/A	0%	57%	49%	20%	20%	53%	0.45	0.47
A5 Rectangle 31%		3	3	12.3 N/A	N/A	0%	57%	49%	20%	20%	53%	0.45	0.47
A6 Rectangle 15%		3	3	12.3 N/A	N/A	0%	69%	59%	17%	17%	64%	0.45	0.47
A7 Rectangle 31%		3	3	12.3 N/A	N/A	0%	57%	49%	20%	20%	53%	0.45	0.47
A8 Rectangle 46%		3	3	12.3 N/A	N/A	0%	44%	38%	22%	22%	41%	0.45	0.47
A21 Rectangle 76%		3	3	12.3 N/A	N/A	0%	19%	16%	26%	26%	18%	0.45	0.47
A22 Rectangle 38%		3	3	12.3 N/A	N/A	0%	51%	43%	21%	21%	47%	0.45	0.47
A23 Rectangle 15%		3	3	12.3 N/A	N/A	0%	69%	59%	17%	17%	64%	0.45	0.47
A24 Rectangle 46%		3	3	12.3 N/A	N/A	0%	44%	38%	22%	22%	41%	0.45	0.47
A25 Rectangle 31%		3	3	12.3 N/A	N/A	0%	57%	49%	20%	20%	53%	0.45	0.47
A26 Rectangle 15%		3	3	12.3 N/A	N/A	0%	69%	59%	17%	17%	64%	0.45	0.47
A27 Rectangle 23%		3	3	12.3 N/A	N/A	0%	63%	54%	18%	18%	59%	0.45	0.47
A31 Rectangle 31%		3	3	12.3 N/A	N/A	0%	57%	49%	20%	20%	53%	0.45	0.47
A32 Rectangle 20%		3	3	12.3 N/A	N/A	0%	65%	56%	18%	18%	61%	0.45	0.47
A33 Rectangle 10%		3	3	12.3 N/A	N/A	0%	74%	63%	17%	17%	68%	0.45	0.47
A34 Rectangle 5%		3	3	12.3 N/A	N/A	0%	78%	66%	16%	16%	72%	0.45	0.47
A41 Rectangle 74%		3	3	12.3 N/A	N/A	0%	21%	18%	26%	26%	20%	0.45	0.47
A42 Rectangle 47%		3	3	12.3 N/A	N/A	0%	43%	37%	22%	22%	40%	0.45	0.47
A43 Rectangle 14%		3	3	12.3 N/A	N/A	0%	71%	60%	17%	17%	65%	0.45	0.47
A44 Rectangle 10%		3	3	12.3 N/A	N/A	0%	74%	63%	17%	17%	68%	0.45	0.47
A45 Rectangle 43%		3	3	12.3 N/A	N/A	0%	46%	40%	21%	21%	43%	0.45	0.47
A46 Rectangle 66%		3	3	12.3 N/A	N/A	0%	33%	28%	24%	24%	30%	0.45	0.47
A51 Rectangle 57%		3	3	12.3 N/A	N/A	0%	35%	30%	24%	24%	32%	0.45	0.47
A52 Rectangle 29%		3	3	12.3 N/A	N/A	0%	60%	51%	19%	19%	56%	0.45	0.47
A53 Rectangle 24%		3	3	12.3 N/A	N/A	0%	64%	55%	18%	18%	60%	0.45	0.47
A54 Rectangle 69%		3	3	12.3 N/A	N/A	0%	11%	9%	28%	28%	10%	0.45	0.47
A55 Rectangle 64%		3	3	12.3 N/A	N/A	0%	26%	22%	25%	25%	24%	0.45	0.47
A56 Rectangle 64%		3	3	12.3 N/A	N/A	0%	32%	27%	24%	24%	30%	0.45	0.47
A11 Rectangle 46%		3	3	12.3 N/A	N/A	0%	44%	38%	22%	22%	41%	0.45	0.47
A12 Rectangle 24%		3	3	12.3 N/A	N/A	0%	63%	54%	18%	18%	59%	0.45	0.47
A13 Rectangle 23%		3	3	12.3 N/A	N/A	0%	63%	54%	18%	18%	59%	0.45	0.47
A14 Rectangle 23%		3	3	12.3 N/A	N/A	0%	63%	54%	18%	18%	59%	0.45	0.47
A15 Rectangle 11%		3	3	12.3 N/A	N/A	0%	73%	62%	17%	17%	67%	0.45	0.47
A16 Rectangle 34%		3	3	12.3 N/A	N/A	0%	54%	46%	20%	20%	50%	0.45	0.47
A121 Rectangle 36%		3	3	12.3 N/A	N/A	0%	53%	45%	20%	20%	49%	0.45	0.47
A122 Rectangle 15%		3	3	12.3 N/A	N/A	0%	69%	59%	17%	17%	64%	0.45	0.47
A123 Rectangle 20%		3	3	12.3 N/A	N/A	0%	65%	56%	18%	18%	61%	0.45	0.47
A124 Rectangle 36%		3	3	12.3 N/A	N/A	0%	53%	45%	20%	20%	49%	0.45	0.47
A125 Rectangle 25%		3	3	12.3 N/A	N/A	0%	61%	52%	19%	19%	57%	0.45	0.47
A126 Rectangle 18%		3	3	12.3 N/A	N/A	0%	67%	58%	18%	18%	62%	0.45	0.47
A127 Rectangle 19%		3	3	12.3 N/A	N/A	0%	67%	58%	18%	18%	62%	0.45	0.47
A128 Rectangle 8%		3	3	12.3 N/A	N/A	0%	76%	65%	16%	16%	70%	0.45	0.47
B1 Rectangle-Half 587%		3	3	12.3 N/A	N/A	0%	10%	9%	28%	28%	10%	0.45	0.47
B2 Rectangle-Half 558%		3	3	12.3 N/A	N/A	0%	34%	29%	24%	24%	32%	0.45	0.47
B3 Rectangle-Half 558%		3	3	12.3 N/A	N/A	0%	34%	29%	24%	24%	32%	0.45	0.47
B4 Rectangle-Half 529%		3	3	12.3 N/A	N/A	0%	58%	50%	19%	19%	54%	0.45	0.47
B5 Rectangle-Half 529%		3	3	12.3 N/A	N/A	0%	70%	60%	17%	17%	65%	0.45	0.47
B6 Rectangle-Half 515%		3	3	12.3 N/A	N/A	0%	58%	50%	19%	19%	54%	0.45	0.47
B7 Rectangle-Half 529%		3	3	12.3 N/A	N/A	0%	46%	39%	22%	22%	43%	0.45	0.47
B8 Rectangle-Half 544%		3	3	12.3 N/A	N/A	0%	22%	19%	26%	26%	21%	0.45	0.47
B21 Rectangle-Half 573%		3	3	12.3 N/A	N/A	0%	46%	39%	22%	22%	43%	0.45	0.47
B22 Rectangle-Half 544%		3	3	12.3 N/A	N/A	0%	70%	60%	17%	17%	65%	0.45	0.47
B23 Rectangle-Half 515%		3	3	12.3 N/A	N/A	0%	34%	29%	24%	24%	32%	0.45	0.47
B24 Rectangle-Half 558%		3	3	12.3 N/A	N/A	0%	58%	50%	19%	19%	54%	0.45	0.47
B25 Rectangle-Half 529%		3	3	12.3 N/A	N/A	0%	46%	39%	22%	22%	43%	0.45	0.47
B26 Rectangle-Half 544%		3	3	12.3 N/A	N/A	0%	50%	43%	21%	21%	46%	0.45	0.47
B31 Rectangle-Half 539%		3	3	12.3 N/A	N/A	0%	66%	56%	18%	18%	61%	0.45	0.47
B32 Rectangle-Half 519%		3	3	12.3 N/A	N/A	0%	50%	43%	21%	21%	46%	0.45	0.47
B33 Rectangle-Half 539%		3	3	12.3 N/A	N/A	0%	66%	56%	18%	18%	61%	0.45	0.47
B34 Rectangle-Half 519%		3	3	12.3 N/A	N/A	0%	74%	63%	16%	16%	69%	0.45	0.47
B35 Rectangle-Half 510%		3	3	12.3 N/A	N/A	0%	56%	48%	20%	20%	52%	0.45	0.47
B36 Rectangle-Half 532%		3	3	12.3 N/A	N/A	0%	33%	28%	24%	24%	30%	0.45	0.47
C1 Circle 60%		3	3	12.3 N/A	N/A	0%	49%	42%	21%	21%	46%	0.45	0.47
C12 Circle 40%		3	3	12.3 N/A	N/A	0%	66%	56%	18%	18%	61%	0.45	0.47
C13 Circle 20%		3	3	12.3 N/A	N/A	0%	18%	15%	27%	27%	17%	0.45	0.47
C21 Circle 78%		3	3	12.3 N/A	N/A	0%	17%	15%	27%	27%	16%	0.45	0.47
C22 Circle 79%		3	3	12.3 N/A	N/A	0%	47%	40%	21%	21%	44%	0.45	0.47
C23 Circle 42%		3	3	12.3 N/A	N/A	0%	51%	43%	21%	21%	47%	0.45	0.47
C24 Circle 38%		3	3	12.3 N/A	N/A	0%	29%	24%	25%	25%	26%	0.45	0.47
C25 Circle 65%		3	3	12.3 N/A	N/A	0%	25%	21%	26%	26%	23%	0.45	0.47
C31 Circle 70%		3	3	12.3 N/A	N/A	0%	35%	30%	24%	24%	33%	0.45	0.47
C32 Circle 57%		3	3	12.3 N/A	N/A	0%	53%	45%	20%	20%	49%	0.45	0.47
C33 Circle 35%		3	3	12.3 N/A	N/A	0%	31%	26%	24%	24%	28%	0.45	0.47
C34 Circle 63%		3	3	12.3 N/A	N/A	0%	49%	42%	21%	21%	46%	0.45	0.47
C35 Circle 40%		3	3	12.3 N/A	N/A	0%	65%	56%	18%	18%	61%	0.45	0.47
C36 Circle 20%		3	3	12.3 N/A	N/A	0%	39%	33%	23%	23%	36%	0.45	0.47
C41 Circle 52%		3	3	12.3 N/A	N/A	0%	54%	46%	20%	20%	50%	0.45	0.47
C42 Circle 34%		3	3	12.3 N/A	N/A	0%	46%	39%	22%	22%	43%	0.45	0.47
C43 Circle 44%		3	3	12.3 N/A	N/A	0%	38%	32%	23%	23%	35%	0.45	0.47
C51 Circle 54%		3	3	12.3 N/A	N/A	0%	66%	56%	18%	18%	61%	0.45	0.47
C52 Circle 44%		3	3	12.3 N/A	N/A	0%	45%	38%	22%	22%	41%	0.45	0.47
C53 Circle 46%		3	3	12.3 N/A	N/A	0%	42%	36%	22%	22%	39%	0.45	0.47
C54 Circle 49%		3	3	12.3 N/A	N/A	0%	53%	45%	20%	20%	49%	0.45	0.47
C55 Circle 36%		3	3	12.3 N/A	N/A	0%	40%	34%	23%	23%	37%	0.45	0.47
C14 Triangle 51%		3	3	12.3 N/A	N/A	0%	53%	45%	20%	20%	49%	0.45	0.47
C15 Triangle 36%		3	3	12.3 N/A	N/A	0%	57%	49%	20%	20%	53%	0.45	0.47
C16 Triangle 31%		3	3	12.3 N/A	N/A	0%	29%	24%	25%	25%	27%	0.45	0.47
C61 Triangle 65%		3	3	12.3 N/A	N/A	0%	54%	46%	20%	20%	50%	0.45	0.47
C62 Triangle 34%		3	3	12.3 N/A	N/A	0%	52%	44%	21%	21%	48%	0.45	0.47
C63 Triangle 37%		3	3	12.3 N/A	N/A	0%	55%	47%	20%	20%	51%	0.45	0.47
C64 Triangle 33%		3	3	12.3 N/A	N/A	0%	63%	53%	19%	19%	58%	0.45	0.47
C65 Triangle 24%		3	3	12.3 N/A	N/A	0%	41%	35%	23%	23%	38%	0.45	0.47
C66 Triangle 50%		3	3	12.3 N/A	N/A	0%	40%	34%	23%	23%	37%	0.45	0.47
C71 Triangle 52%		3	3	12.3 N/A	N/A	0%	59%	50%	19%	19%	55%	0.45	0.47
C72 Triangle 28%		3	3	12.3 N/A	N/A	0%	52%	44%	21%	21%	48%	0.45	0.47
C73 Triangle 37%		3	3	12.3 N/A	N/A	0%	52%	44%	21%	21%	48%	0.45	0.47

Panel Layers		Layers						Visible				Solar Heat U-Value (BTU/hrft ² F)Light to				
LowIron-LowIron-Spacer-Clear								UV Visible Light Total Solar Reflectance								
Panel TypeShape Area	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	Main Solar Transmittance		ExteriorInteriorCoefficient		Winter Summer Gain				
		Th ickn es s	Th ickn es s		Size Thickness	Size Thickness	Size Thickness	Nighttime	Daytime							
C74 Triangle 47%		3	3		12.3 N/A	N/A		0%	43%	37%	22%	22%	40%	0.45	0.47	1.08
C75 Triangle 37%		3	3		12.3 N/A	N/A		0%	52%	44%	21%	21%	48%	0.45	0.47	1.08
C76 Triangle 41%		3	3		12.3 N/A	N/A		0%	48%	41%	21%	21%	45%	0.45	0.47	1.08
C17 Hexagon 48%		3	3		12.3 N/A	N/A		0%	42%	36%	22%	22%	39%	0.45	0.47	1.08
C18 Hexagon 32%		3	3		12.3 N/A	N/A		0%	56%	47%	20%	20%	52%	0.45	0.47	1.08
C19 Hexagon 16%		3	3		12.3 N/A	N/A		0%	69%	59%	17%	17%	64%	0.45	0.47	1.08
C81 Hexagon 68%		3	3		12.3 N/A	N/A		0%	26%	22%	25%	25%	24%	0.45	0.47	1.08
C82 Hexagon 36%		3	3		12.3 N/A	N/A		0%	52%	44%	20%	20%	48%	0.45	0.47	1.08
C83 Hexagon 36%		3	3		12.3 N/A	N/A		0%	52%	44%	20%	20%	48%	0.45	0.47	1.08
C84 Hexagon 52%		3	3		12.3 N/A	N/A		0%	39%	33%	23%	23%	36%	0.45	0.47	1.08
C85 Hexagon 22%		3	3		12.3 N/A	N/A		0%	64%	55%	18%	18%	60%	0.45	0.47	1.08
C91 Hexagon 69%		3	3		12.3 N/A	N/A		0%	25%	22%	25%	25%	24%	0.45	0.47	1.08
C92 Hexagon 53%		3	3		12.3 N/A	N/A		0%	38%	33%	23%	23%	36%	0.45	0.47	1.08
C93 Hexagon 37%		3	3		12.3 N/A	N/A		0%	51%	44%	21%	21%	48%	0.45	0.47	1.08
C94 Hexagon 10%		3	3		12.3 N/A	N/A		0%	74%	63%	16%	16%	69%	0.45	0.47	1.08
C95 Hexagon 32%		3	3		12.3 N/A	N/A		0%	56%	48%	20%	20%	52%	0.45	0.47	1.08
C96 Hexagon 47%		3	3		12.3 N/A	N/A		0%	43%	37%	22%	22%	40%	0.45	0.47	1.08
C101 Parallelogram 63%		3	3		12.3 N/A	N/A		0%	30%	26%	24%	24%	28%	0.45	0.47	1.08
C102 Parallelogram 30%		3	3		12.3 N/A	N/A		0%	57%	49%	19%	19%	53%	0.45	0.47	1.08
C103 Parallelogram 37%		3	3		12.3 N/A	N/A		0%	52%	44%	20%	20%	48%	0.45	0.47	1.08
C104 Parallelogram 32%		3	3		12.3 N/A	N/A		0%	56%	48%	20%	20%	52%	0.45	0.47	1.08
C105 Parallelogram 23%		3	3		12.3 N/A	N/A		0%	63%	54%	18%	18%	58%	0.45	0.47	1.08
C106 Parallelogram 50%		3	3		12.3 N/A	N/A		0%	41%	35%	22%	22%	38%	0.45	0.47	1.08
C111 Parallelogram 53%		3	3		12.3 N/A	N/A		0%	38%	33%	23%	23%	36%	0.45	0.47	1.08
C112 Parallelogram 60%		3	3		12.3 N/A	N/A		0%	49%	42%	21%	21%	46%	0.45	0.47	1.08
C113 Parallelogram 63%		3	3		12.3 N/A	N/A		0%	47%	40%	21%	21%	43%	0.45	0.47	1.08
C114 Parallelogram 27%		3	3		12.3 N/A	N/A		0%	60%	51%	19%	19%	56%	0.45	0.47	1.08
C115 Parallelogram 60%		3	3		12.3 N/A	N/A		0%	49%	42%	21%	21%	46%	0.45	0.47	1.08
C116 Parallelogram 27%		3	3		12.3 N/A	N/A		0%	60%	51%	19%	19%	56%	0.45	0.47	1.08

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-Clear		Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	Size	Thickness	Thickness	Thickness	Thickness
Panel Type	Shape		Thickness	Thickness								Daytime	Nighttime
Non-Active	Any	Shape 0%	4	4		12	4	N/A	N/A			1% 82% 68% 15% 15% 75% 0.44 0.47 1.09	
	A1	Rectangle 92%	4	4		12	4	N/A	N/A			0% 7% 6% 29% 29% 6% 0.44 0.47 1.09	
A2	Rectangle	61%	4	4		12	4	N/A	N/A			0% 32% 26% 24% 24% 29% 0.44 0.47 1.09	
A3	Rectangle	61%	4	4		12	4	N/A	N/A			0% 32% 26% 24% 24% 29% 0.44 0.47 1.09	
A4	Rectangle	31%	4	4		12	4	N/A	N/A			1% 57% 47% 20% 20% 52% 0.44 0.47 1.09	
A5	Rectangle	31%	4	4		12	4	N/A	N/A			1% 57% 47% 20% 20% 52% 0.44 0.47 1.09	
A6	Rectangle	15%	4	4		12	4	N/A	N/A			1% 69% 58% 17% 17% 64% 0.44 0.47 1.09	
A7	Rectangle	31%	4	4		12	4	N/A	N/A			1% 57% 47% 20% 20% 52% 0.44 0.47 1.09	
	A8	Rectangle 46%	4	4		12	4	N/A	N/A			1% 44% 37% 22% 22% 41% 0.44 0.47 1.09	
A21	Rectangle	76%	4	4		12	4	N/A	N/A			0% 19% 16% 26% 26% 18% 0.44 0.47 1.09	
A22	Rectangle	38%	4	4		12	4	N/A	N/A			1% 51% 42% 21% 21% 46% 0.44 0.47 1.09	
A23	Rectangle	15%	4	4		12	4	N/A	N/A			1% 69% 58% 17% 17% 64% 0.44 0.47 1.09	
A24	Rectangle	46%	4	4		12	4	N/A	N/A			1% 44% 37% 22% 22% 41% 0.44 0.47 1.09	
A25	Rectangle	31%	4	4		12	4	N/A	N/A			1% 57% 47% 20% 20% 52% 0.44 0.47 1.09	
A26	Rectangle	15%	4	4		12	4	N/A	N/A			1% 69% 58% 17% 17% 64% 0.44 0.47 1.09	
A27	Rectangle	23%	4	4		12	4	N/A	N/A			1% 63% 52% 18% 18% 58% 0.44 0.47 1.09	
A31	Rectangle	31%	4	4		12	4	N/A	N/A			1% 57% 47% 20% 20% 52% 0.44 0.47 1.09	
A32	Rectangle	20%	4	4		12	4	N/A	N/A			1% 65% 54% 18% 18% 60% 0.44 0.47 1.09	
A33	Rectangle	10%	4	4		12	4	N/A	N/A			1% 74% 61% 17% 17% 67% 0.44 0.47 1.09	
A34	Rectangle	5%	4	4		12	4	N/A	N/A			1% 78% 65% 16% 16% 71% 0.44 0.47 1.09	
A41	Rectangle	74%	4	4		12	4	N/A	N/A			0% 21% 18% 26% 26% 20% 0.44 0.47 1.09	
A42	Rectangle	47%	4	4		12	4	N/A	N/A			1% 43% 36% 22% 22% 40% 0.44 0.47 1.09	
A43	Rectangle	14%	4	4		12	4	N/A	N/A			1% 71% 58% 17% 17% 64% 0.44 0.47 1.09	
A44	Rectangle	10%	4	4		12	4	N/A	N/A			1% 74% 61% 17% 17% 67% 0.44 0.47 1.09	
A45	Rectangle	43%	4	4		12	4	N/A	N/A			1% 46% 39% 21% 21% 43% 0.44 0.47 1.09	
A46	Rectangle	66%	4	4		12	4	N/A	N/A			0% 33% 27% 24% 24% 30% 0.44 0.47 1.09	
A51	Rectangle	57%	4	4		12	4	N/A	N/A			0% 35% 29% 24% 24% 32% 0.44 0.47 1.09	
A52	Rectangle	29%	4	4		12	4	N/A	N/A			1% 60% 50% 19% 19% 55% 0.44 0.47 1.09	
A53	Rectangle	24%	4	4		12	4	N/A	N/A			1% 64% 53% 18% 18% 59% 0.44 0.47 1.09	
A54	Rectangle	89%	4	4		12	4	N/A	N/A			0% 11% 9% 28% 28% 10% 0.44 0.47 1.09	
A55	Rectangle	64%	4	4		12	4	N/A	N/A			0% 26% 21% 25% 25% 23% 0.44 0.47 1.09	
A56	Rectangle	64%	4	4		12	4	N/A	N/A			0% 32% 26% 24% 24% 29% 0.44 0.47 1.09	
A11	Rectangle	44%	4	4		12	4	N/A	N/A			1% 44% 37% 22% 22% 41% 0.44 0.47 1.09	
A12	Rectangle	24%	4	4		12	4	N/A	N/A			1% 63% 52% 18% 18% 58% 0.44 0.47 1.09	
A13	Rectangle	23%	4	4		12	4	N/A	N/A			1% 63% 52% 18% 18% 58% 0.44 0.47 1.09	
A14	Rectangle	22%	4	4		12	4	N/A	N/A			1% 63% 52% 18% 18% 58% 0.44 0.47 1.09	
A15	Rectangle	11%	4	4		12	4	N/A	N/A			1% 73% 60% 17% 17% 66% 0.44 0.47 1.09	
A16	Rectangle	34%	4	4		12	4	N/A	N/A			1% 54% 45% 20% 20% 49% 0.44 0.47 1.09	
A17	Rectangle	36%	4	4		12	4	N/A	N/A			1% 53% 44% 20% 20% 48% 0.44 0.47 1.09	
A18	Rectangle	15%	4	4		12	4	N/A	N/A			1% 69% 58% 17% 17% 64% 0.44 0.47 1.09	
A19	Rectangle	20%	4	4		12	4	N/A	N/A			1% 65% 54% 18% 18% 60% 0.44 0.47 1.09	
A20	Rectangle	36%	4	4		12	4	N/A	N/A			1% 53% 44% 20% 20% 48% 0.44 0.47 1.09	
A21	Rectangle	25%	4	4		12	4	N/A	N/A			1% 61% 51% 19% 19% 56% 0.44 0.47 1.09	
A22	Rectangle	18%	4	4		12	4	N/A	N/A			1% 67% 56% 18% 18% 62% 0.44 0.47 1.09	
A23	Rectangle	19%	4	4		12	4	N/A	N/A			1% 67% 56% 18% 18% 62% 0.44 0.47 1.09	
A24	Rectangle	8%	4	4		12	4	N/A	N/A			1% 76% 63% 16% 16% 69% 0.44 0.47 1.09	
B1	Rectangle-Half	587%	4	4		12	4	N/A	N/A			0% 10% 9% 28% 28% 9% 0.44 0.47 1.09	
B2	Rectangle-Half	558%	4	4		12	4	N/A	N/A			0% 34% 28% 24% 24% 31% 0.44 0.47 1.09	
B3	Rectangle-Half	558%	4	4		12	4	N/A	N/A			0% 34% 28% 24% 24% 31% 0.44 0.47 1.09	
B4	Rectangle-Half	529%	4	4		12	4	N/A	N/A			1% 58% 48% 19% 19% 53% 0.44 0.47 1.09	
B5	Rectangle-Half	529%	4	4		12	4	N/A	N/A			1% 70% 58% 17% 17% 64% 0.44 0.47 1.09	
B6	Rectangle-Half	515%	4	4		12	4	N/A	N/A			1% 58% 48% 19% 19% 53% 0.44 0.47 1.09	
B7	Rectangle-Half	529%	4	4		12	4	N/A	N/A			1% 46% 38% 22% 22% 42% 0.44 0.47 1.09	
B8	Rectangle-Half	544%	4	4		12	4	N/A	N/A			0% 22% 18% 26% 26% 20% 0.44 0.47 1.09	
B21	Rectangle-Half	573%	4	4		12	4	N/A	N/A			1% 46% 38% 22% 22% 42% 0.44 0.47 1.09	
B22	Rectangle-Half	544%	4	4		12	4	N/A	N/A			1% 70% 58% 17% 17% 64% 0.44 0.47 1.09	
B23	Rectangle-Half	515%	4	4		12	4	N/A	N/A			0% 34% 28% 24% 24% 31% 0.44 0.47 1.09	
B24	Rectangle-Half	558%	4	4		12	4	N/A	N/A			1% 58% 48% 19% 19% 53% 0.44 0.47 1.09	
B25	Rectangle-Half	529%	4	4		12	4	N/A	N/A			1% 46% 38% 22% 22% 42% 0.44 0.47 1.09	
B26	Rectangle-Half	544%	4	4		12	4	N/A	N/A			1% 50% 42% 21% 21% 46% 0.44 0.47 1.09	
B31	Rectangle-Half	539%	4	4		12	4	N/A	N/A			1% 66% 55% 18% 18% 60% 0.44 0.47 1.09	
B32	Rectangle-Half	519%	4	4		12	4	N/A	N/A			1% 50% 42% 21% 21% 46% 0.44 0.47 1.09	
B33	Rectangle-Half	539%	4	4		12	4	N/A	N/A			1% 66% 55% 18% 18% 60% 0.44 0.47 1.09	
B34	Rectangle-Half	519%	4	4		12	4	N/A	N/A			1% 74% 61% 16% 16% 68% 0.44 0.47 1.09	
B35	Rectangle-Half	510%	4	4		12	4	N/A	N/A			1% 56% 47% 20% 20% 51% 0.44 0.47 1.09	
B36	Rectangle-Half	532%	4	4		12	4	N/A	N/A			0% 33% 27% 24% 24% 30% 0.44 0.47 1.09	
C1	Circle	60%	4	4		12	4	N/A	N/A			1% 49% 41% 21% 21% 45% 0.44 0.47 1.09	
C12	Circle	40%	4	4		12	4	N/A	N/A			1% 66% 54% 18% 18% 60% 0.44 0.47 1.09	
C13	Circle	20%	4	4		12	4	N/A	N/A			0% 18% 15% 27% 27% 16% 0.44 0.47 1.09	
C21	Circle	78%	4	4		12	4	N/A	N/A			0% 17% 14% 27% 27% 16% 0.44 0.47 1.09	
C22	Circle	79%	4	4		12	4	N/A	N/A			1% 47% 39% 21% 21% 43% 0.44 0.47 1.09	
C23	Circle	42%	4	4		12	4	N/A	N/A			1% 51% 42% 21% 21% 46% 0.44 0.47 1.09	
C24	Circle	38%	4	4		12	4	N/A	N/A			0% 29% 24% 25% 25% 26% 0.44 0.47 1.09	
C25	Circle	65%	4	4		12	4	N/A	N/A			0% 25% 20% 26% 26% 22% 0.44 0.47 1.09	
C31	Circle	70%	4	4		12	4	N/A	N/A			0% 35% 29% 24% 24% 32% 0.44 0.47 1.09	
C32	Circle	57%	4	4		12	4	N/A	N/A			1% 53% 44% 20% 20% 49% 0.44 0.47 1.09	
C33	Circle	35%	4	4		12	4	N/A	N/A			0% 31% 25% 24% 24% 28% 0.44 0.47 1.09	
C34	Circle	63%	4	4		12	4	N/A	N/A			1% 49% 41% 21% 21% 45% 0.44 0.47 1.09	
C35	Circle	40%	4	4		12	4	N/A	N/A			1% 66% 54% 18% 18% 60% 0.44 0.47 1.09	
C36	Circle	20%	4	4		12	4	N/A	N/A			0% 39% 33% 23% 23% 36% 0.44 0.47 1.09	
C41	Circle	52%	4	4		12	4	N/A	N/A			1% 54% 45% 20% 20% 49% 0.44 0.47 1.09	
C42	Circle	34%	4	4		12	4	N/A	N/A			1% 46% 38% 22% 22% 42% 0.44 0.47 1.09	
C43	Circle	44%	4	4		12	4	N/A	N/A			0% 38% 31% 23% 23% 35% 0.44 0.47 1.09	
C51	Circle	54%	4	4		12	4	N/A	N/A			1% 46% 38% 22% 22% 42% 0.44 0.47 1.09	
C52	Circle	44%	4	4		12	4	N/A	N/A			1% 45% 37% 22% 22% 41% 0.44 0.47 1.09	
C53	Circle	46%	4	4		12	4	N/A	N/A			1% 42% 35% 22% 22% 38% 0.44 0.47 1.09	
C54	Circle	49%	4	4		12	4	N/A	N/A			1% 53% 44% 20% 20% 48% 0.44 0.47 1.09	
C55	Circle	36%	4	4		12	4	N/A	N/A			0% 40% 33% 23% 23% 37% 0.44 0.47 1.09	
C14	Triangle	51%	4	4		12	4	N/A	N/A			1% 53% 44% 20% 20% 48% 0.44 0.47 1.09	
C15	Triangle	36%	4	4		12	4	N/A	N/A			1% 57% 47% 20% 20% 52% 0.44 0.47 1.09	
C16	Triangle	31%	4	4		12	4	N/A	N/A			0% 29% 24% 25% 25% 26% 0.44 0.47 1.09	
C61	Triangle	65%	4	4		12	4	N/A	N/A			1% 54% 45% 20% 20% 50% 0.44 0.47 1.09	
C62	Triangle	34%	4	4		12	4	N/A	N/A			1% 52% 43% 21% 21% 47% 0.44 0.47 1.09	
C63	Triangle	37%	4	4		12	4	N/A	N/A			1% 55% 46% 20% 20% 51% 0.44 0.47 1.09	
C64	Triangle	33%	4	4		12	4	N/A	N/A			1% 63% 52% 18% 18% 57% 0.44 0.47 1.09	
C65	Triangle	24%	4	4		12	4	N/A	N/A			0% 41% 34% 23% 23% 37% 0.44 0.47 1.09	
C66	Triangle	50%	4	4		12	4	N/A	N/A			0% 40% 33% 23% 23% 36% 0.44 0.47 1.09	
C71	Triangle	52%	4	4		12	4	N/A	N/A			1% 59% 49% 19% 19% 54% 0.44 0.47 1.09	
C72	Triangle	28%	4	4	</								

Panel Layers		Layers					Visible					Solar Heat U-Value (BTU/hrft2F)					Light to	
LowIron-LowIron-Spacer-Clear																		
Panel Type/Shape Area	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible Light Total Solar Reflectance										
		Th ickn es s	Th ickn es s		Size	Thickness	Size	Thickness	Gain Solar	Transmittance	Exterior	Interior	Coefficient	Winter	Summer	Gain		
									Nighttime	Daytime								
C74 Triangle 47%		4	4		12 4	N/A	N/A	1%	43%	36%	22%	22%	40%	0.44	0.47	1.09		
C75 Triangle 37%		4	4		12 4	N/A	N/A	1%	52%	43%	21%	21%	47%	0.44	0.47	1.09		
C76 Triangle 41%		4	4		12 4	N/A	N/A	1%	48%	40%	21%	21%	44%	0.44	0.47	1.09		
C17 Hexagon 48%		4	4		12 4	N/A	N/A	1%	42%	35%	22%	22%	39%	0.44	0.47	1.09		
C18 Hexagon 32%		4	4		12 4	N/A	N/A	1%	56%	46%	20%	20%	51%	0.44	0.47	1.09		
C19 Hexagon 16%		4	4		12 4	N/A	N/A	1%	69%	57%	17%	17%	63%	0.44	0.47	1.09		
C81 Hexagon 68%		4	4		12 4	N/A	N/A	0%	26%	22%	25%	25%	24%	0.44	0.47	1.09		
C82 Hexagon 36%		4	4		12 4	N/A	N/A	1%	52%	43%	20%	20%	48%	0.44	0.47	1.09		
C83 Hexagon 36%		4	4		12 4	N/A	N/A	1%	52%	43%	20%	20%	48%	0.44	0.47	1.09		
C84 Hexagon 52%		4	4		12 4	N/A	N/A	0%	39%	32%	23%	23%	36%	0.44	0.47	1.09		
C85 Hexagon 22%		4	4		12 4	N/A	N/A	1%	64%	53%	18%	18%	59%	0.44	0.47	1.09		
C91 Hexagon 69%		4	4		12 4	N/A	N/A	0%	25%	21%	25%	25%	23%	0.44	0.47	1.09		
C92 Hexagon 53%		4	4		12 4	N/A	N/A	0%	38%	32%	23%	23%	35%	0.44	0.47	1.09		
C93 Hexagon 37%		4	4		12 4	N/A	N/A	1%	51%	43%	21%	21%	47%	0.44	0.47	1.09		
C94 Hexagon 10%		4	4		12 4	N/A	N/A	1%	74%	61%	16%	16%	68%	0.44	0.47	1.09		
C95 Hexagon 32%		4	4		12 4	N/A	N/A	1%	56%	47%	20%	20%	51%	0.44	0.47	1.09		
C96 Hexagon 47%		4	4		12 4	N/A	N/A	1%	43%	36%	22%	22%	40%	0.44	0.47	1.09		
C101 Parallelogram 63%		4	4		12 4	N/A	N/A	0%	30%	25%	24%	24%	28%	0.44	0.47	1.09		
C102 Parallelogram 30%		4	4		12 4	N/A	N/A	1%	57%	48%	19%	19%	53%	0.44	0.47	1.09		
C103 Parallelogram 37%		4	4		12 4	N/A	N/A	1%	52%	43%	20%	20%	48%	0.44	0.47	1.09		
C104 Parallelogram 32%		4	4		12 4	N/A	N/A	1%	56%	47%	20%	20%	51%	0.44	0.47	1.09		
C105 Parallelogram 23%		4	4		12 4	N/A	N/A	1%	63%	52%	18%	18%	58%	0.44	0.47	1.09		
C106 Parallelogram 50%		4	4		12 4	N/A	N/A	1%	41%	34%	22%	22%	38%	0.44	0.47	1.09		
C111 Parallelogram 53%		4	4		12 4	N/A	N/A	0%	38%	32%	23%	23%	35%	0.44	0.47	1.09		
C112 Parallelogram 60%		4	4		12 4	N/A	N/A	1%	49%	41%	21%	21%	45%	0.44	0.47	1.09		
C113 Parallelogram 63%		4	4		12 4	N/A	N/A	1%	47%	39%	21%	21%	43%	0.44	0.47	1.09		
C114 Parallelogram 22%		4	4		12 4	N/A	N/A	1%	60%	50%	19%	19%	55%	0.44	0.47	1.09		
C115 Parallelogram 40%		4	4		12 4	N/A	N/A	1%	49%	41%	21%	21%	45%	0.44	0.47	1.09		
C116 Parallelogram 27%		4	4		12 4	N/A	N/A	1%	60%	50%	19%	19%	55%	0.44	0.47	1.09		

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)Light to									
LowIron-LowIron-Spacer-Clear		Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	UV Gain	Visible Light Transmittance	Interior Coefficient	Winter	Summer	Gain							
Panel Type	Shape		Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Nighttime	Daytime									
Non-Active	Any Shape	0%	6	6			12	6	N/A	N/A	0%	81%	63%	15%	73%	0.44	0.46	1.1	
	A1	Rectangle 92%	6	6			12	6	N/A	N/A	0%	7%	5%	29%	29%	6%	0.44	0.46	1.1
A2	Rectangle 61%		6	6			12	6	N/A	N/A	0%	31%	24%	24%	24%	28%	0.44	0.46	1.1
A3	Rectangle 61%		6	6			12	6	N/A	N/A	0%	31%	24%	24%	24%	28%	0.44	0.46	1.1
A4	Rectangle 31%		6	6			12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.1
A5	Rectangle 31%		6	6			12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.1
A6	Rectangle 15%		6	6			12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.1
A7	Rectangle 31%		6	6			12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.1
	AB	Rectangle 46%	6	6			12	6	N/A	N/A	0%	44%	34%	22%	22%	40%	0.44	0.46	1.1
A21	Rectangle 76%		6	6			12	6	N/A	N/A	0%	19%	15%	26%	26%	17%	0.44	0.46	1.1
A22	Rectangle 38%		6	6			12	6	N/A	N/A	0%	50%	39%	21%	21%	45%	0.44	0.46	1.1
A23	Rectangle 15%		6	6			12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.1
A24	Rectangle 46%		6	6			12	6	N/A	N/A	0%	44%	34%	22%	22%	40%	0.44	0.46	1.1
A25	Rectangle 31%		6	6			12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.1
A26	Rectangle 15%		6	6			12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.1
A27	Rectangle 23%		6	6			12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.1
A31	Rectangle 31%		6	6			12	6	N/A	N/A	0%	56%	44%	20%	20%	51%	0.44	0.46	1.1
A32	Rectangle 20%		6	6			12	6	N/A	N/A	0%	64%	50%	18%	18%	58%	0.44	0.46	1.1
A33	Rectangle 10%		6	6			12	6	N/A	N/A	0%	73%	57%	17%	17%	66%	0.44	0.46	1.1
A34	Rectangle 5%		6	6			12	6	N/A	N/A	0%	77%	60%	16%	16%	69%	0.44	0.46	1.1
A41	Rectangle 74%		6	6			12	6	N/A	N/A	0%	21%	16%	26%	26%	19%	0.44	0.46	1.1
A42	Rectangle 47%		6	6			12	6	N/A	N/A	0%	43%	33%	22%	22%	39%	0.44	0.46	1.1
A43	Rectangle 14%		6	6			12	6	N/A	N/A	0%	70%	54%	17%	17%	63%	0.44	0.46	1.1
A44	Rectangle 10%		6	6			12	6	N/A	N/A	0%	73%	57%	17%	17%	66%	0.44	0.46	1.1
A45	Rectangle 43%		6	6			12	6	N/A	N/A	0%	46%	36%	21%	21%	41%	0.44	0.46	1.1
A46	Rectangle 66%		6	6			12	6	N/A	N/A	0%	33%	25%	24%	24%	29%	0.44	0.46	1.1
A51	Rectangle 57%		6	6			12	6	N/A	N/A	0%	35%	27%	24%	24%	31%	0.44	0.46	1.1
A52	Rectangle 29%		6	6			12	6	N/A	N/A	0%	59%	46%	19%	19%	53%	0.44	0.46	1.1
A53	Rectangle 24%		6	6			12	6	N/A	N/A	0%	63%	49%	18%	18%	57%	0.44	0.46	1.1
A54	Rectangle 87%		6	6			12	6	N/A	N/A	0%	11%	8%	28%	28%	10%	0.44	0.46	1.1
A55	Rectangle 64%		6	6			12	6	N/A	N/A	0%	25%	20%	25%	25%	23%	0.44	0.46	1.1
A56	Rectangle 64%		6	6			12	6	N/A	N/A	0%	31%	24%	24%	24%	28%	0.44	0.46	1.1
A11	Rectangle 46%		6	6			12	6	N/A	N/A	0%	44%	34%	22%	22%	40%	0.44	0.46	1.1
A12	Rectangle 24%		6	6			12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.1
A13	Rectangle 23%		6	6			12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.1
A14	Rectangle 23%		6	6			12	6	N/A	N/A	0%	62%	49%	18%	18%	56%	0.44	0.46	1.1
A15	Rectangle 11%		6	6			12	6	N/A	N/A	0%	72%	56%	17%	17%	65%	0.44	0.46	1.1
A16	Rectangle 34%		6	6			12	6	N/A	N/A	0%	53%	41%	20%	20%	48%	0.44	0.46	1.1
A121	Rectangle 36%		6	6			12	6	N/A	N/A	0%	52%	41%	20%	20%	47%	0.44	0.46	1.1
A122	Rectangle 15%		6	6			12	6	N/A	N/A	0%	69%	53%	17%	17%	62%	0.44	0.46	1.1
A123	Rectangle 20%		6	6			12	6	N/A	N/A	0%	64%	50%	18%	18%	58%	0.44	0.46	1.1
A124	Rectangle 36%		6	6			12	6	N/A	N/A	0%	52%	41%	20%	20%	47%	0.44	0.46	1.1
A125	Rectangle 25%		6	6			12	6	N/A	N/A	0%	60%	47%	19%	19%	54%	0.44	0.46	1.1
A126	Rectangle 18%		6	6			12	6	N/A	N/A	0%	67%	52%	18%	18%	60%	0.44	0.46	1.1
A127	Rectangle 18%		6	6			12	6	N/A	N/A	0%	67%	52%	18%	18%	60%	0.44	0.46	1.1
A128	Rectangle 8%		6	6			12	6	N/A	N/A	0%	75%	58%	16%	16%	67%	0.44	0.46	1.1
	B1	Rectangle-Half 587%	6	6			12	6	N/A	N/A	0%	10%	8%	28%	28%	9%	0.44	0.46	1.1
	B2	Rectangle-Half 558%	6	6			12	6	N/A	N/A	0%	34%	26%	24%	24%	30%	0.44	0.46	1.1
	B3	Rectangle-Half 558%	6	6			12	6	N/A	N/A	0%	34%	26%	24%	24%	30%	0.44	0.46	1.1
B4	Rectangle-Half 529%		6	6			12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.1
	B5	Rectangle-Half 529%	6	6			12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.1
B6	Rectangle-Half 515%		6	6			12	6	N/A	N/A	0%	69%	54%	17%	17%	62%	0.44	0.46	1.1
B7	Rectangle-Half 529%		6	6			12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.1
	B8	Rectangle-Half 544%	6	6			12	6	N/A	N/A	0%	46%	35%	22%	22%	41%	0.44	0.46	1.1
B21	Rectangle-Half 573%		6	6			12	6	N/A	N/A	0%	22%	17%	26%	26%	20%	0.44	0.46	1.1
B22	Rectangle-Half 544%		6	6			12	6	N/A	N/A	0%	46%	35%	22%	22%	41%	0.44	0.46	1.1
B23	Rectangle-Half 515%		6	6			12	6	N/A	N/A	0%	69%	54%	17%	17%	62%	0.44	0.46	1.1
B24	Rectangle-Half 558%		6	6			12	6	N/A	N/A	0%	34%	26%	24%	24%	30%	0.44	0.46	1.1
B25	Rectangle-Half 529%		6	6			12	6	N/A	N/A	0%	57%	45%	19%	19%	52%	0.44	0.46	1.1
B26	Rectangle-Half 544%		6	6			12	6	N/A	N/A	0%	46%	35%	22%	22%	41%	0.44	0.46	1.1
B31	Rectangle-Half 539%		6	6			12	6	N/A	N/A	0%	50%	39%	21%	21%	45%	0.44	0.46	1.1
B32	Rectangle-Half 519%		6	6			12	6	N/A	N/A	0%	65%	51%	18%	18%	59%	0.44	0.46	1.1
B33	Rectangle-Half 539%		6	6			12	6	N/A	N/A	0%	50%	39%	21%	21%	45%	0.44	0.46	1.1
B34	Rectangle-Half 519%		6	6			12	6	N/A	N/A	0%	65%	51%	18%	18%	59%	0.44	0.46	1.1
B35	Rectangle-Half 510%		6	6			12	6	N/A	N/A	0%	73%	57%	16%	16%	66%	0.44	0.46	1.1
B36	Rectangle-Half 532%		6	6			12	6	N/A	N/A	0%	55%	43%	20%	20%	50%	0.44	0.46	1.1
	C1	Circle 60%	6	6			12	6	N/A	N/A	0%	32%	25%	24%	24%	29%	0.44	0.46	1.1
C12	Circle 40%		6	6			12	6	N/A	N/A	0%	49%	38%	21%	21%	44%	0.44	0.46	1.1
C13	Circle 20%		6	6			12	6	N/A	N/A	0%	65%	50%	18%	18%	58%	0.44	0.46	1.1
C21	Circle 78%		6	6			12	6	N/A	N/A	0%	18%	14%	27%	27%	16%	0.44	0.46	1.1
C22	Circle 79%		6	6			12	6	N/A	N/A	0%	17%	13%	27%	27%				

Panel Layers		Layers						Visible				Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-Clear															
Panel Type/Shape Area	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	Visible	UV	Visible	Total	Reflectance	Winter	Summer	Gain
		Thickness	Thickness		Thickness		Thickness	Transmittance	Transmittance	Transmittance	Transmittance	Exterior	Interior	Coefficient	Gain
C74 Triangle 47%		6	6		12.6 N/A	N/A		0%	43%	33%	22%	22%	38%	0.44	0.46 1.11
C75 Triangle 37%		6	6		12.6 N/A	N/A		0%	51%	40%	20%	20%	46%	0.44	0.46 1.11
C76 Triangle 41%		6	6		12.6 N/A	N/A		0%	47%	37%	21%	21%	43%	0.44	0.46 1.11
C17 Hexagon 48%		6	6		12.6 N/A	N/A		0%	42%	33%	22%	22%	38%	0.44	0.46 1.11
C18 Hexagon 32%		6	6		12.6 N/A	N/A		0%	55%	43%	20%	20%	50%	0.44	0.46 1.11
C19 Hexagon 16%		6	6		12.6 N/A	N/A		0%	68%	53%	17%	17%	61%	0.44	0.46 1.11
C81 Hexagon 68%		6	6		12.6 N/A	N/A		0%	26%	20%	25%	25%	23%	0.44	0.46 1.11
C82 Hexagon 36%		6	6		12.6 N/A	N/A		0%	51%	40%	20%	20%	46%	0.44	0.46 1.11
C83 Hexagon 36%		6	6		12.6 N/A	N/A		0%	51%	40%	20%	20%	46%	0.44	0.46 1.11
C84 Hexagon 52%		6	6		12.6 N/A	N/A		0%	39%	30%	23%	23%	35%	0.44	0.46 1.11
C85 Hexagon 22%		6	6		12.6 N/A	N/A		0%	63%	49%	18%	18%	57%	0.44	0.46 1.11
C91 Hexagon 69%		6	6		12.6 N/A	N/A		0%	25%	20%	25%	25%	23%	0.44	0.46 1.11
C92 Hexagon 53%		6	6		12.6 N/A	N/A		0%	38%	29%	23%	23%	34%	0.44	0.46 1.11
C93 Hexagon 37%		6	6		12.6 N/A	N/A		0%	51%	39%	21%	21%	46%	0.44	0.46 1.11
C94 Hexagon 10%		6	6		12.6 N/A	N/A		0%	73%	57%	16%	16%	66%	0.44	0.46 1.11
C95 Hexagon 32%		6	6		12.6 N/A	N/A		0%	55%	43%	20%	20%	50%	0.44	0.46 1.11
C96 Hexagon 47%		6	6		12.6 N/A	N/A		0%	43%	33%	22%	22%	38%	0.44	0.46 1.11
C101 Parallelogram 63%		6	6		12.6 N/A	N/A		0%	30%	23%	24%	24%	27%	0.44	0.46 1.11
C102 Parallelogram 30%		6	6		12.6 N/A	N/A		0%	57%	44%	19%	19%	51%	0.44	0.46 1.11
C103 Parallelogram 37%		6	6		12.6 N/A	N/A		0%	51%	40%	20%	20%	46%	0.44	0.46 1.11
C104 Parallelogram 32%		6	6		12.6 N/A	N/A		0%	55%	43%	20%	20%	50%	0.44	0.46 1.11
C105 Parallelogram 23%		6	6		12.6 N/A	N/A		0%	62%	48%	18%	18%	56%	0.44	0.46 1.11
C106 Parallelogram 50%		6	6		12.6 N/A	N/A		0%	41%	32%	22%	22%	37%	0.44	0.46 1.11
C111 Parallelogram 53%		6	6		12.6 N/A	N/A		0%	38%	29%	23%	23%	34%	0.44	0.46 1.11
C112 Parallelogram 60%		6	6		12.6 N/A	N/A		0%	49%	38%	21%	21%	44%	0.44	0.46 1.11
C113 Parallelogram 63%		6	6		12.6 N/A	N/A		0%	46%	36%	21%	21%	41%	0.44	0.46 1.11
C114 Parallelogram 22%		6	6		12.6 N/A	N/A		0%	59%	46%	19%	19%	54%	0.44	0.46 1.11
C115 Parallelogram 40%		6	6		12.6 N/A	N/A		0%	49%	38%	21%	21%	44%	0.44	0.46 1.11
C116 Parallelogram 27%		6	6		12.6 N/A	N/A		0%	59%	46%	19%	19%	54%	0.44	0.46 1.11

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Panel Layers		Layers					Visible				Solar Heat U-Value (BTU/hrft²F)		Light to			
LowIron-LowIron-Spacer-LowIron		Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible	Light Total	Solar Reflectance	Coefficient	Winter	Summer	Gain	
Panel Type	Shape Area		Th ickn es s	Th ickn es s		Size	Thickness	Size	Thickness	Transmittance	Transmittance					Transmittance
C74	Triangle 47%		3	3		12	3	N/A	N/A	0%	44%	40%	22%	22%	41%	0.45 0.47 1.08
C75	Triangle 37%		3	3		12	3	N/A	N/A	0%	53%	48%	21%	21%	49%	0.45 0.47 1.08
C76	Triangle 41%		3	3		12	3	N/A	N/A	0%	49%	45%	21%	21%	46%	0.45 0.47 1.08
C17	Hexagon 48%		3	3		12	3	N/A	N/A	0%	43%	39%	22%	22%	40%	0.45 0.47 1.08
C18	Hexagon 32%		3	3		12	3	N/A	N/A	0%	57%	52%	20%	20%	53%	0.45 0.47 1.08
C19	Hexagon 16%		3	3		12	3	N/A	N/A	0%	70%	64%	17%	17%	65%	0.45 0.47 1.08
C81	Hexagon 68%		3	3		12	3	N/A	N/A	0%	27%	24%	25%	25%	25%	0.45 0.47 1.08
C82	Hexagon 36%		3	3		12	3	N/A	N/A	0%	53%	48%	20%	20%	50%	0.45 0.47 1.08
C83	Hexagon 36%		3	3		12	3	N/A	N/A	0%	53%	48%	20%	20%	50%	0.45 0.47 1.08
C84	Hexagon 52%		3	3		12	3	N/A	N/A	0%	40%	36%	23%	23%	37%	0.45 0.47 1.08
C85	Hexagon 22%		3	3		12	3	N/A	N/A	0%	66%	60%	18%	18%	61%	0.45 0.47 1.08
C91	Hexagon 69%		3	3		12	3	N/A	N/A	0%	26%	24%	25%	25%	24%	0.45 0.47 1.08
C92	Hexagon 53%		3	3		12	3	N/A	N/A	0%	39%	36%	23%	23%	36%	0.45 0.47 1.08
C93	Hexagon 37%		3	3		12	3	N/A	N/A	0%	53%	48%	21%	21%	49%	0.45 0.47 1.08
C94	Hexagon 10%		3	3		12	3	N/A	N/A	0%	76%	69%	16%	16%	70%	0.45 0.47 1.08
C95	Hexagon 32%		3	3		12	3	N/A	N/A	0%	58%	52%	20%	20%	53%	0.45 0.47 1.08
C96	Hexagon 47%		3	3		12	3	N/A	N/A	0%	44%	40%	22%	22%	41%	0.45 0.47 1.08
C101	Parallelogram 65%		3	3		12	3	N/A	N/A	0%	31%	28%	24%	24%	29%	0.45 0.47 1.08
C102	Parallelogram 30%		3	3		12	3	N/A	N/A	0%	59%	53%	19%	19%	55%	0.45 0.47 1.08
C103	Parallelogram 37%		3	3		12	3	N/A	N/A	0%	53%	48%	20%	20%	49%	0.45 0.47 1.08
C104	Parallelogram 12%		3	3		12	3	N/A	N/A	0%	57%	52%	20%	20%	53%	0.45 0.47 1.08
C105	Parallelogram 23%		3	3		12	3	N/A	N/A	0%	64%	58%	18%	18%	60%	0.45 0.47 1.08
C106	Parallelogram 50%		3	3		12	3	N/A	N/A	0%	42%	38%	22%	22%	39%	0.45 0.47 1.08
C111	Parallelogram 53%		3	3		12	3	N/A	N/A	0%	39%	36%	23%	23%	36%	0.45 0.47 1.08
C112	Parallelogram 60%		3	3		12	3	N/A	N/A	0%	50%	46%	21%	21%	47%	0.45 0.47 1.08
C113	Parallelogram 63%		3	3		12	3	N/A	N/A	0%	48%	43%	21%	21%	44%	0.45 0.47 1.08
C114	Parallelogram 22%		3	3		12	3	N/A	N/A	0%	62%	56%	19%	19%	57%	0.45 0.47 1.08
C115	Parallelogram 40%		3	3		12	3	N/A	N/A	0%	50%	46%	21%	21%	47%	0.45 0.47 1.08
C116	Parallelogram 27%		3	3		12	3	N/A	N/A	0%	62%	56%	19%	19%	57%	0.45 0.47 1.08

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2)			
LowIron-LowIron-Spacer-LowIron													
Panel TypeShape Area	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	UV Visible Light	Transmittance	Transmittance	Transmittance	Transmittance	Transmittance	Transmittance	Transmittance
		Th ickn es s	Th ickn es s	Size Thickness	Size Thickness	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime
Non-ActiveAny Shape0%		4	4	12	4 N/A N/A	1% 83% 75% 15% 15% 77% 0.44 0.47 1.08							
A1 Rectangle 92%		4	4	12	4 N/A N/A	0% 7% 6% 29% 29% 6% 0.44 0.47 1.08							
A2 Rectangle 61%		4	4	12	4 N/A N/A	0% 32% 29% 24% 24% 30% 0.44 0.47 1.08							
A3 Rectangle 61%		4	4	12	4 N/A N/A	0% 32% 29% 24% 24% 30% 0.44 0.47 1.08							
A4 Rectangle 31%		4	4	12	4 N/A N/A	1% 58% 52% 20% 20% 53% 0.44 0.47 1.08							
A5 Rectangle 31%		4	4	12	4 N/A N/A	1% 58% 52% 20% 20% 53% 0.44 0.47 1.08							
A6 Rectangle 15%		4	4	12	4 N/A N/A	1% 70% 64% 17% 17% 65% 0.44 0.47 1.08							
A7 Rectangle 31%		4	4	12	4 N/A N/A	1% 58% 52% 20% 20% 53% 0.44 0.47 1.08							
A8 Rectangle 46%		4	4	12	4 N/A N/A	1% 45% 41% 22% 22% 42% 0.44 0.47 1.08							
A21 Rectangle 76%		4	4	12	4 N/A N/A	0% 20% 18% 26% 26% 18% 0.44 0.47 1.08							
A22 Rectangle 38%		4	4	12	4 N/A N/A	1% 51% 46% 21% 21% 48% 0.44 0.47 1.08							
A23 Rectangle 15%		4	4	12	4 N/A N/A	1% 70% 64% 17% 17% 65% 0.44 0.47 1.08							
A24 Rectangle 46%		4	4	12	4 N/A N/A	1% 45% 41% 22% 22% 42% 0.44 0.47 1.08							
A25 Rectangle 31%		4	4	12	4 N/A N/A	1% 58% 52% 20% 20% 53% 0.44 0.47 1.08							
A26 Rectangle 15%		4	4	12	4 N/A N/A	1% 70% 64% 17% 17% 65% 0.44 0.47 1.08							
A27 Rectangle 23%		4	4	12	4 N/A N/A	1% 64% 58% 18% 18% 59% 0.44 0.47 1.08							
A31 Rectangle 31%		4	4	12	4 N/A N/A	1% 58% 52% 20% 20% 53% 0.44 0.47 1.08							
A32 Rectangle 20%		4	4	12	4 N/A N/A	1% 66% 60% 18% 18% 61% 0.44 0.47 1.08							
A33 Rectangle 10%		4	4	12	4 N/A N/A	1% 75% 67% 17% 17% 69% 0.44 0.47 1.08							
A34 Rectangle 5%		4	4	12	4 N/A N/A	1% 79% 71% 16% 16% 73% 0.44 0.47 1.08							
A41 Rectangle 74%		4	4	12	4 N/A N/A	0% 22% 20% 26% 26% 20% 0.44 0.47 1.08							
A42 Rectangle 47%		4	4	12	4 N/A N/A	1% 44% 40% 22% 22% 41% 0.44 0.47 1.08							
A43 Rectangle 14%		4	4	12	4 N/A N/A	1% 71% 64% 17% 17% 66% 0.44 0.47 1.08							
A44 Rectangle 10%		4	4	12	4 N/A N/A	1% 75% 67% 17% 17% 69% 0.44 0.47 1.08							
A45 Rectangle 43%		4	4	12	4 N/A N/A	1% 47% 43% 21% 21% 44% 0.44 0.47 1.08							
A46 Rectangle 80%		4	4	12	4 N/A N/A	0% 33% 30% 24% 24% 31% 0.44 0.47 1.08							
A51 Rectangle 57%		4	4	12	4 N/A N/A	0% 35% 32% 24% 24% 33% 0.44 0.47 1.08							
A52 Rectangle 29%		4	4	12	4 N/A N/A	1% 61% 55% 19% 19% 56% 0.44 0.47 1.08							
A53 Rectangle 24%		4	4	12	4 N/A N/A	1% 65% 59% 18% 18% 60% 0.44 0.47 1.08							
A54 Rectangle 89%		4	4	12	4 N/A N/A	0% 11% 10% 28% 28% 10% 0.44 0.47 1.08							
A55 Rectangle 64%		4	4	12	4 N/A N/A	0% 26% 23% 25% 25% 24% 0.44 0.47 1.08							
A56 Rectangle 64%		4	4	12	4 N/A N/A	0% 32% 29% 24% 24% 30% 0.44 0.47 1.08							
A111 Rectangle 44%		4	4	12	4 N/A N/A	1% 45% 41% 22% 22% 42% 0.44 0.47 1.08							
A112 Rectangle 24%		4	4	12	4 N/A N/A	1% 64% 58% 18% 18% 59% 0.44 0.47 1.08							
A113 Rectangle 24%		4	4	12	4 N/A N/A	1% 64% 58% 18% 18% 59% 0.44 0.47 1.08							
A114 Rectangle 24%		4	4	12	4 N/A N/A	1% 64% 58% 18% 18% 59% 0.44 0.47 1.08							
A115 Rectangle 11%		4	4	12	4 N/A N/A	1% 73% 66% 17% 17% 68% 0.44 0.47 1.08							
A116 Rectangle 34%		4	4	12	4 N/A N/A	1% 54% 49% 20% 20% 51% 0.44 0.47 1.08							
A121 Rectangle 36%		4	4	12	4 N/A N/A	1% 53% 48% 20% 20% 50% 0.44 0.47 1.08							
A122 Rectangle 15%		4	4	12	4 N/A N/A	1% 70% 64% 17% 17% 65% 0.44 0.47 1.08							
A123 Rectangle 20%		4	4	12	4 N/A N/A	1% 66% 60% 18% 18% 61% 0.44 0.47 1.08							
A124 Rectangle 36%		4	4	12	4 N/A N/A	1% 53% 48% 20% 20% 50% 0.44 0.47 1.08							
A125 Rectangle 25%		4	4	12	4 N/A N/A	1% 62% 56% 19% 19% 57% 0.44 0.47 1.08							
A126 Rectangle 18%		4	4	12	4 N/A N/A	1% 68% 62% 18% 18% 63% 0.44 0.47 1.08							
A127 Rectangle 18%		4	4	12	4 N/A N/A	1% 68% 62% 18% 18% 63% 0.44 0.47 1.08							
A128 Rectangle 8%		4	4	12	4 N/A N/A	1% 77% 69% 16% 16% 71% 0.44 0.47 1.08							
B1Rectangle-Half 587%		4	4	12	4 N/A N/A	0% 10% 9% 28% 28% 10% 0.44 0.47 1.08							
B2Rectangle-Half 558%		4	4	12	4 N/A N/A	0% 35% 31% 24% 24% 32% 0.44 0.47 1.08							
B3Rectangle-Half 558%		4	4	12	4 N/A N/A	0% 35% 31% 24% 24% 32% 0.44 0.47 1.08							
B4Rectangle-Half 529%		4	4	12	4 N/A N/A	1% 59% 53% 19% 19% 55% 0.44 0.47 1.08							
B5Rectangle-Half 529%		4	4	12	4 N/A N/A	1% 59% 53% 19% 19% 55% 0.44 0.47 1.08							
B6Rectangle-Half 515%		4	4	12	4 N/A N/A	1% 71% 64% 17% 17% 66% 0.44 0.47 1.08							
B7Rectangle-Half 529%		4	4	12	4 N/A N/A	1% 59% 53% 19% 19% 55% 0.44 0.47 1.08							
B8Rectangle-Half 544%		4	4	12	4 N/A N/A	1% 47% 42% 22% 22% 43% 0.44 0.47 1.08							
B21Rectangle-Half 573%		4	4	12	4 N/A N/A	0% 23% 20% 26% 26% 21% 0.44 0.47 1.08							
B22Rectangle-Half 544%		4	4	12	4 N/A N/A	1% 47% 42% 22% 22% 43% 0.44 0.47 1.08							
B23Rectangle-Half 515%		4	4	12	4 N/A N/A	1% 71% 64% 17% 17% 66% 0.44 0.47 1.08							
B24Rectangle-Half 558%		4	4	12	4 N/A N/A	0% 35% 31% 24% 24% 32% 0.44 0.47 1.08							
B25Rectangle-Half 529%		4	4	12	4 N/A N/A	1% 59% 53% 19% 19% 55% 0.44 0.47 1.08							
B26Rectangle-Half 544%		4	4	12	4 N/A N/A	1% 47% 42% 22% 22% 43% 0.44 0.47 1.08							
B31Rectangle-Half 539%		4	4	12	4 N/A N/A	1% 51% 46% 21% 21% 47% 0.44 0.47 1.08							
B32Rectangle-Half 519%		4	4	12	4 N/A N/A	1% 67% 60% 18% 18% 62% 0.44 0.47 1.08							
B33Rectangle-Half 539%		4	4	12	4 N/A N/A	1% 51% 46% 21% 21% 47% 0.44 0.47 1.08							
B34Rectangle-Half 519%		4	4	12	4 N/A N/A	1% 67% 60% 18% 18% 62% 0.44 0.47 1.08							
B35Rectangle-Half 510%		4	4	12	4 N/A N/A	1% 75% 68% 16% 16% 70% 0.44 0.47 1.08							
B36Rectangle-Half 532%		4	4	12	4 N/A N/A	1% 57% 51% 20% 20% 53% 0.44 0.47 1.08							
C11 Circle 60%		4	4	12	4 N/A N/A	0% 33% 30% 24% 24% 31% 0.44 0.47 1.08							
C12 Circle 40%		4	4	12	4 N/A N/A	1% 50% 45% 21% 21% 46% 0.44 0.47 1.08							
C13 Circle 20%		4	4	12	4 N/A N/A	1% 66% 60% 18% 18% 62% 0.44 0.47 1.08							
C21 Circle 78%		4	4	12	4 N/A N/A	0% 18% 16% 27% 27% 17% 0.44 0.47 1.08							
C22 Circle 79%		4	4	12	4 N/A N/A	0% 17% 16% 27% 27% 16% 0.44 0.47 1.08							
C23 Circle 42%		4	4	12	4 N/A N/A	1% 48% 43% 21% 21% 44% 0.44 0.47 1.08							
C24 Circle 38%		4	4	12	4 N/A N/A	1% 51% 46% 21% 21% 47% 0.44 0.47 1.08							
C25 Circle 65%		4	4	12	4 N/A N/A	0% 29% 26% 25% 25% 27% 0.44 0.47 1.08							
C31 Circle 70%		4	4	12	4 N/A N/A	0% 25% 22% 26% 26% 23% 0.44 0.47 1.08							
C32 Circle 57%		4	4	12	4 N/A N/A	0% 36% 32% 24% 24% 33% 0.44 0.47 1.08							
C33 Circle 35%		4	4	12	4 N/A N/A	1% 54% 49% 20% 20% 50% 0.44 0.47 1.08							
C34 Circle 63%		4	4	12	4 N/A N/A	0% 31% 28% 24% 24% 29% 0.44 0.47 1.08							
C35 Circle 40%		4	4	12	4 N/A N/A	1% 50% 45% 21% 21% 46% 0.44 0.47 1.08							
C36 Circle 20%		4	4	12	4 N/A N/A	1% 66% 60% 18% 18% 61% 0.44 0.47 1.08							
C41 Circle 52%		4	4	12	4 N/A N/A	0% 40% 36% 23% 23% 37% 0.44 0.47 1.08							

Panel Layers		Layers						Visible					Solar Heat U-Value (BTU/hrft2F)		Light to	
LowIron-LowIron-Spacer-LowIron		Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible	Visible Light	Total Solar	Reflectance				
Panel Type	Shape Area		Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Size	Transmittance	Transmittance	Transmittance	Winter	Summer	Gain	
C74	Triangle 47%	4	4	12	4	N/A	N/A	1%	44%	40%	22%	22%	41%	0.44	0.47	1.08
C75	Triangle 37%	4	4	12	4	N/A	N/A	1%	52%	47%	21%	21%	49%	0.44	0.47	1.08
C76	Triangle 41%	4	4	12	4	N/A	N/A	1%	49%	44%	21%	21%	45%	0.44	0.47	1.08
C17	Hexagon 48%	4	4	12	4	N/A	N/A	1%	43%	39%	22%	22%	40%	0.44	0.47	1.08
C18	Hexagon 32%	4	4	12	4	N/A	N/A	1%	56%	51%	20%	20%	52%	0.44	0.47	1.08
C19	Hexagon 16%	4	4	12	4	N/A	N/A	1%	70%	63%	17%	17%	65%	0.44	0.47	1.08
C81	Hexagon 68%	4	4	12	4	N/A	N/A	0%	27%	24%	25%	25%	25%	0.44	0.47	1.08
C82	Hexagon 36%	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	49%	0.44	0.47	1.08
C83	Hexagon 36%	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	49%	0.44	0.47	1.08
C84	Hexagon 52%	4	4	12	4	N/A	N/A	0%	40%	36%	23%	23%	37%	0.44	0.47	1.08
C85	Hexagon 22%	4	4	12	4	N/A	N/A	1%	65%	59%	18%	18%	60%	0.44	0.47	1.08
C91	Hexagon 69%	4	4	12	4	N/A	N/A	0%	26%	23%	25%	25%	24%	0.44	0.47	1.08
C92	Hexagon 53%	4	4	12	4	N/A	N/A	0%	39%	35%	23%	23%	36%	0.44	0.47	1.08
C93	Hexagon 37%	4	4	12	4	N/A	N/A	1%	52%	47%	21%	21%	48%	0.44	0.47	1.08
C94	Hexagon 10%	4	4	12	4	N/A	N/A	1%	75%	68%	16%	16%	69%	0.44	0.47	1.08
C95	Hexagon 32%	4	4	12	4	N/A	N/A	1%	57%	51%	20%	20%	53%	0.44	0.47	1.08
C96	Hexagon 47%	4	4	12	4	N/A	N/A	1%	44%	40%	22%	22%	41%	0.44	0.47	1.08
C101	Parallelogram 65%	4	4	12	4	N/A	N/A	0%	31%	28%	24%	24%	28%	0.44	0.47	1.08
C102	Parallelogram 30%	4	4	12	4	N/A	N/A	1%	58%	53%	19%	19%	54%	0.44	0.47	1.08
C103	Parallelogram 37%	4	4	12	4	N/A	N/A	1%	53%	48%	20%	20%	49%	0.44	0.47	1.08
C104	Parallelogram 32%	4	4	12	4	N/A	N/A	1%	57%	51%	20%	20%	53%	0.44	0.47	1.08
C105	Parallelogram 23%	4	4	12	4	N/A	N/A	1%	64%	58%	18%	18%	59%	0.44	0.47	1.08
C106	Parallelogram 50%	4	4	12	4	N/A	N/A	1%	42%	38%	22%	22%	39%	0.44	0.47	1.08
C111	Parallelogram 53%	4	4	12	4	N/A	N/A	0%	39%	35%	23%	23%	36%	0.44	0.47	1.08
C112	Parallelogram 60%	4	4	12	4	N/A	N/A	1%	50%	45%	21%	21%	46%	0.44	0.47	1.08
C113	Parallelogram 63%	4	4	12	4	N/A	N/A	1%	47%	43%	21%	21%	44%	0.44	0.47	1.08
C114	Parallelogram 22%	4	4	12	4	N/A	N/A	1%	61%	55%	19%	19%	57%	0.44	0.47	1.08
C115	Parallelogram 40%	4	4	12	4	N/A	N/A	1%	50%	45%	21%	21%	46%	0.44	0.47	1.08
C116	Parallelogram 27%	4	4	12	4	N/A	N/A	1%	61%	55%	19%	19%	57%	0.44	0.47	1.08

Panel Layers			Layers						Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)				
LowIron-LowIron-Spacer-LowIron			Cell Coverage		Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible Light	Transmittance	Transmittance	Winter	Summer	Gain	
Panel Type	Shape	Area	Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Size	Thickness	Nighttime	Daytime	Coef	U-Value	Light to	Light to	
Non-Active	Any	Shape0%	6	6	12	6 N/A	N/A	N/A	0%	83%	73%	15%	15%	76%	0.44	0.46	1.09
	A1	Rectangle 92%	6	6	12	6 N/A	N/A	N/A	0%	7%	6%	29%	29%	6%	0.44	0.46	1.09
A2	Rectangle	61%	6	6	12	6 N/A	N/A	N/A	0%	32%	28%	24%	24%	30%	0.44	0.46	1.09
A3	Rectangle	61%	6	6	12	6 N/A	N/A	N/A	0%	32%	28%	24%	24%	30%	0.44	0.46	1.09
A4	Rectangle	31%	6	6	12	6 N/A	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
A5	Rectangle	31%	6	6	12	6 N/A	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
A6	Rectangle	15%	6	6	12	6 N/A	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
A7	Rectangle	31%	6	6	12	6 N/A	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
	A8	Rectangle 46%	6	6	12	6 N/A	N/A	N/A	0%	45%	40%	22%	22%	41%	0.44	0.46	1.09
A21	Rectangle	76%	6	6	12	6 N/A	N/A	N/A	0%	20%	17%	26%	26%	18%	0.44	0.46	1.09
A22	Rectangle	38%	6	6	12	6 N/A	N/A	N/A	0%	51%	45%	21%	21%	47%	0.44	0.46	1.09
A23	Rectangle	15%	6	6	12	6 N/A	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
A24	Rectangle	46%	6	6	12	6 N/A	N/A	N/A	0%	45%	40%	22%	22%	41%	0.44	0.46	1.09
A25	Rectangle	31%	6	6	12	6 N/A	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
A26	Rectangle	15%	6	6	12	6 N/A	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
A27	Rectangle	23%	6	6	12	6 N/A	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
A31	Rectangle	31%	6	6	12	6 N/A	N/A	N/A	0%	58%	51%	20%	20%	53%	0.44	0.46	1.09
A32	Rectangle	20%	6	6	12	6 N/A	N/A	N/A	0%	66%	58%	18%	18%	61%	0.44	0.46	1.09
A33	Rectangle	10%	6	6	12	6 N/A	N/A	N/A	0%	75%	66%	17%	17%	68%	0.44	0.46	1.09
A34	Rectangle	5%	6	6	12	6 N/A	N/A	N/A	0%	79%	69%	16%	16%	72%	0.44	0.46	1.09
A41	Rectangle	74%	6	6	12	6 N/A	N/A	N/A	0%	22%	19%	26%	26%	20%	0.44	0.46	1.09
A42	Rectangle	47%	6	6	12	6 N/A	N/A	N/A	0%	44%	39%	22%	22%	40%	0.44	0.46	1.09
A43	Rectangle	14%	6	6	12	6 N/A	N/A	N/A	0%	71%	63%	17%	17%	65%	0.44	0.46	1.09
A44	Rectangle	10%	6	6	12	6 N/A	N/A	N/A	0%	75%	66%	17%	17%	68%	0.44	0.46	1.09
A45	Rectangle	43%	6	6	12	6 N/A	N/A	N/A	0%	47%	41%	21%	21%	43%	0.44	0.46	1.09
A46	Rectangle	69%	6	6	12	6 N/A	N/A	N/A	0%	33%	29%	24%	24%	30%	0.44	0.46	1.09
A51	Rectangle	59%	6	6	12	6 N/A	N/A	N/A	0%	35%	31%	24%	24%	32%	0.44	0.46	1.09
A52	Rectangle	24%	6	6	12	6 N/A	N/A	N/A	0%	61%	53%	19%	19%	56%	0.44	0.46	1.09
A53	Rectangle	24%	6	6	12	6 N/A	N/A	N/A	0%	65%	57%	18%	18%	60%	0.44	0.46	1.09
A54	Rectangle	82%	6	6	12	6 N/A	N/A	N/A	0%	11%	10%	28%	28%	10%	0.44	0.46	1.09
A55	Rectangle	64%	6	6	12	6 N/A	N/A	N/A	0%	26%	23%	25%	25%	24%	0.44	0.46	1.09
A56	Rectangle	61%	6	6	12	6 N/A	N/A	N/A	0%	32%	28%	24%	24%	30%	0.44	0.46	1.09
A11	Rectangle	46%	6	6	12	6 N/A	N/A	N/A	0%	45%	40%	22%	22%	41%	0.44	0.46	1.09
A12	Rectangle	23%	6	6	12	6 N/A	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
A13	Rectangle	23%	6	6	12	6 N/A	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
A14	Rectangle	23%	6	6	12	6 N/A	N/A	N/A	0%	64%	56%	18%	18%	59%	0.44	0.46	1.09
A15	Rectangle	11%	6	6	12	6 N/A	N/A	N/A	0%	73%	65%	17%	17%	67%	0.44	0.46	1.09
A16	Rectangle	34%	6	6	12	6 N/A	N/A	N/A	0%	54%	48%	20%	20%	50%	0.44	0.46	1.09
A121	Rectangle	36%	6	6	12	6 N/A	N/A	N/A	0%	53%	47%	20%	20%	49%	0.44	0.46	1.09
A122	Rectangle	15%	6	6	12	6 N/A	N/A	N/A	0%	70%	62%	17%	17%	64%	0.44	0.46	1.09
A123	Rectangle	20%	6	6	12	6 N/A	N/A	N/A	0%	66%	58%	18%	18%	61%	0.44	0.46	1.09
A124	Rectangle	36%	6	6	12	6 N/A	N/A	N/A	0%	53%	47%	20%	20%	49%	0.44	0.46	1.09
A125	Rectangle	25%	6	6	12	6 N/A	N/A	N/A	0%	62%	54%	19%	19%	57%	0.44	0.46	1.09
A126	Rectangle	19%	6	6	12	6 N/A	N/A	N/A	0%	68%	60%	18%	18%	62%	0.44	0.46	1.09
A127	Rectangle	19%	6	6	12	6 N/A	N/A	N/A	0%	68%	60%	18%	18%	62%	0.44	0.46	1.09
A128	Rectangle	8%	6	6	12	6 N/A	N/A	N/A	0%	77%	67%	16%	16%	70%	0.44	0.46	1.09
	B1	Rectangle-Half 587%	6	6	12	6 N/A	N/A	N/A	0%	10%	9%	28%	28%	10%	0.44	0.46	1.09
	B2	Rectangle-Half 558%	6	6	12	6 N/A	N/A	N/A	0%	35%	30%	24%	24%	32%	0.44	0.46	1.09
	B3	Rectangle-Half 558%	6	6	12	6 N/A	N/A	N/A	0%	35%	30%	24%	24%	32%	0.44	0.46	1.09
B4	Rectangle-Half 529%		6	6	12	6 N/A	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
	B5	Rectangle-Half 529%	6	6	12	6 N/A	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
B6	Rectangle-Half 515%		6	6	12	6 N/A	N/A	N/A	0%	71%	62%	17%	17%	65%	0.44	0.46	1.09
B7	Rectangle-Half 529%		6	6	12	6 N/A	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
	B8	Rectangle-Half 544%	6	6	12	6 N/A	N/A	N/A	0%	47%	41%	22%	22%	43%	0.44	0.46	1.09
B21	Rectangle-Half 573%		6	6	12	6 N/A	N/A	N/A	0%	23%	20%	26%	26%	21%	0.44	0.46	1.09
B22	Rectangle-Half 544%		6	6	12	6 N/A	N/A	N/A	0%	47%	41%	22%	22%	43%	0.44	0.46	1.09
B23	Rectangle-Half 515%		6	6	12	6 N/A	N/A	N/A	0%	71%	62%	17%	17%	65%	0.44	0.46	1.09
B24	Rectangle-Half 558%		6	6	12	6 N/A	N/A	N/A	0%	35%	30%	24%	24%	32%	0.44	0.46	1.09
B25	Rectangle-Half 529%		6	6	12	6 N/A	N/A	N/A	0%	59%	52%	19%	19%	54%	0.44	0.46	1.09
B26	Rectangle-Half 544%		6	6	12	6 N/A	N/A	N/A	0%	47%	41%	22%	22%	43%	0.44	0.46	1.09
B31	Rectangle-Half 539%		6	6	12	6 N/A	N/A	N/A	0%	51%	45%	21%	21%	46%	0.44	0.46	1.09
B32	Rectangle-Half 519%		6	6	12	6 N/A	N/A	N/A	0%	67%	59%	18%	18%	61%	0.44	0.46	1.09
B33	Rectangle-Half 539%		6	6	12	6 N/A	N/A	N/A	0%	51%	45%	21%	21%	46%	0.44	0.46	1.09
B34	Rectangle-Half 519%		6	6	12	6 N/A	N/A	N/A	0%	67%	59%	18%	18%	61%	0.44	0.46	1.09
B35	Rectangle-Half 516%		6	6	12	6 N/A	N/A	N/A	0%	75%	66%	16%	16%	69%	0.44	0.46	1.09
B36	Rectangle-Half 532%		6	6	12	6 N/A	N/A	N/A	0%	57%	50%	20%	20%	52%	0.44	0.46	1.09
	C1	Circle 60%	6	6	12	6 N/A	N/A	N/A	0%	33%	29%	24%	24%	30%	0.44	0.46	1.09
C12	Circle	40%	6	6	12	6 N/A	N/A	N/A	0%	50%	44%	21%	21%	46%	0.44	0.46	1.09
C13	Circle	20%	6	6	12	6 N/A	N/A	N/A	0%	66%	58%	18%	18%	61%	0.44	0.46	1.09
C21	Circle	78%	6	6	12	6 N/A	N/A	N/A	0%	18%	16%	27%	27%	17%	0.44	0.46	1.09
C22	Circle	79%	6	6	12	6 N/A	N/A	N/A	0%	17%	15%	27%	27%	16%	0.44	0.46	1.09
C23	Circle	42%	6	6	12	6 N/A	N/A	N/A	0%	48%	42%	21%	21%	44%	0.44	0.46	1.09
C24	Circle	38%	6	6	12	6 N/A	N/A	N/A	0%	51%	45%	21%	21%	47%	0.44	0.46	1.09
C25	Circle	65%	6	6	12	6 N/A	N/A	N/A	0%	29%	25%	25%	25%	26%	0.44	0.46	1.09
C31																	

Panel Layers		Layers					Visible				Solar Heat U-Value (BTU/hrft2F)				Light to			
LowIron-LowIron-Spacer-LowIron		Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV	Visible	Light	Total	Solar	Reflectance	Coefficient	Winter	Summer	Gain
Panel Type	Shape Area		Th ickn es s	Th ickn es s		Size	Thickness	Size	Thickness	% Transmittance	% Transmittance	% Transmittance	% Transmittance	% Transmittance				
C74	Triangle 47%	6	6		12.6	N/A	N/A		0%	44%	38%	22%	22%	40%	0.44	0.46	1.09	
C75	Triangle 37%	6	6		12.6	N/A	N/A		0%	52%	46%	21%	21%	48%	0.44	0.46	1.09	
C76	Triangle 41%	6	6		12.6	N/A	N/A		0%	49%	43%	21%	21%	45%	0.44	0.46	1.09	
C17	Hexagon 48%	6	6		12.6	N/A	N/A		0%	43%	38%	22%	22%	39%	0.44	0.46	1.09	
C18	Hexagon 32%	6	6		12.6	N/A	N/A		0%	56%	50%	20%	20%	52%	0.44	0.46	1.09	
C19	Hexagon 16%	6	6		12.6	N/A	N/A		0%	70%	63%	17%	17%	64%	0.44	0.46	1.09	
C81	Hexagon 68%	6	6		12.6	N/A	N/A		0%	27%	23%	25%	25%	24%	0.44	0.46	1.09	
C82	Hexagon 36%	6	6		12.6	N/A	N/A		0%	53%	46%	20%	20%	48%	0.44	0.46	1.09	
C83	Hexagon 36%	6	6		12.6	N/A	N/A		0%	53%	46%	20%	20%	48%	0.44	0.46	1.09	
C84	Hexagon 52%	6	6		12.6	N/A	N/A		0%	40%	35%	23%	23%	36%	0.44	0.46	1.09	
C85	Hexagon 22%	6	6		12.6	N/A	N/A		0%	65%	57%	18%	18%	60%	0.44	0.46	1.09	
C91	Hexagon 69%	6	6		12.6	N/A	N/A		0%	26%	23%	25%	25%	24%	0.44	0.46	1.09	
C92	Hexagon 53%	6	6		12.6	N/A	N/A		0%	39%	34%	23%	23%	36%	0.44	0.46	1.09	
C93	Hexagon 37%	6	6		12.6	N/A	N/A		0%	52%	46%	21%	21%	48%	0.44	0.46	1.09	
C94	Hexagon 10%	6	6		12.6	N/A	N/A		0%	75%	66%	16%	16%	69%	0.44	0.46	1.09	
C95	Hexagon 32%	6	6		12.6	N/A	N/A		0%	57%	50%	20%	20%	52%	0.44	0.46	1.09	
C96	Hexagon 47%	6	6		12.6	N/A	N/A		0%	44%	38%	22%	22%	40%	0.44	0.46	1.09	
C101	Parallelogram 63%	6	6		12.6	N/A	N/A		0%	31%	27%	24%	24%	28%	0.44	0.46	1.09	
C102	Parallelogram 30%	6	6		12.6	N/A	N/A		0%	58%	51%	19%	19%	53%	0.44	0.46	1.09	
C103	Parallelogram 37%	6	6		12.6	N/A	N/A		0%	53%	46%	20%	20%	48%	0.44	0.46	1.09	
C104	Parallelogram 32%	6	6		12.6	N/A	N/A		0%	57%	50%	20%	20%	52%	0.44	0.46	1.09	
C105	Parallelogram 23%	6	6		12.6	N/A	N/A		0%	64%	56%	18%	18%	58%	0.44	0.46	1.09	
C106	Parallelogram 50%	6	6		12.6	N/A	N/A		0%	42%	37%	22%	22%	38%	0.44	0.46	1.09	
C111	Parallelogram 53%	6	6		12.6	N/A	N/A		0%	39%	34%	23%	23%	36%	0.44	0.46	1.09	
C112	Parallelogram 60%	6	6		12.6	N/A	N/A		0%	50%	44%	21%	21%	46%	0.44	0.46	1.09	
C113	Parallelogram 63%	6	6		12.6	N/A	N/A		0%	47%	41%	21%	21%	43%	0.44	0.46	1.09	
C114	Parallelogram 22%	6	6		12.6	N/A	N/A		0%	61%	54%	19%	19%	56%	0.44	0.46	1.09	
C115	Parallelogram 40%	6	6		12.6	N/A	N/A		0%	50%	44%	21%	21%	46%	0.44	0.46	1.09	
C116	Parallelogram 27%	6	6		12.6	N/A	N/A		0%	61%	54%	19%	19%	56%	0.44	0.46	1.09	

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)						
LowIron-LowIron-Spacer-LowE Clear																
Cell Coverage		Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4											
Panel Type	Shape	Th	ickn	es s	Th	ickn	es s	Size	Thickness	Size	Thickness	UV Visible Light	Transmittance	Transmittance	Transmittance	Transmittance
Area	Area											Daytime	Daytime	Daytime	Daytime	Daytime
Non-Active	Any Shape	0%	3	3	12.3	N/A	N/A	0%	73%	37%	12%	11%	48%	0.24	0.22	1.52
	A1 Rectangle	92%	3	3	12.3	N/A	N/A	0%	6%	3%	29%	28%	4%	0.24	0.22	1.52
A2	Rectangle	61%	3	3	12.3	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
A3	Rectangle	61%	3	3	12.3	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
A4	Rectangle	31%	3	3	12.3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
A5	Rectangle	31%	3	3	12.3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
A6	Rectangle	15%	3	3	12.3	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
A7	Rectangle	31%	3	3	12.3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
	A8 Rectangle	46%	3	3	12.3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
A21	Rectangle	76%	3	3	12.3	N/A	N/A	0%	17%	9%	26%	26%	11%	0.24	0.22	1.52
A22	Rectangle	38%	3	3	12.3	N/A	N/A	0%	45%	23%	19%	18%	30%	0.24	0.22	1.52
A23	Rectangle	15%	3	3	12.3	N/A	N/A	0%	67%	31%	15%	14%	61%	0.24	0.22	1.52
A24	Rectangle	46%	3	3	12.3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
A25	Rectangle	31%	3	3	12.3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
A26	Rectangle	15%	3	3	12.3	N/A	N/A	0%	62%	31%	15%	14%	61%	0.24	0.22	1.52
A27	Rectangle	23%	3	3	12.3	N/A	N/A	0%	56%	29%	16%	15%	37%	0.24	0.22	1.52
A31	Rectangle	31%	3	3	12.3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
A32	Rectangle	20%	3	3	12.3	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
A33	Rectangle	10%	3	3	12.3	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
A34	Rectangle	5%	3	3	12.3	N/A	N/A	0%	69%	35%	13%	12%	46%	0.24	0.22	1.52
A41	Rectangle	74%	3	3	12.3	N/A	N/A	0%	19%	10%	25%	25%	13%	0.24	0.22	1.52
A42	Rectangle	47%	3	3	12.3	N/A	N/A	0%	39%	20%	20%	20%	25%	0.24	0.22	1.52
A43	Rectangle	14%	3	3	12.3	N/A	N/A	0%	63%	32%	15%	14%	41%	0.24	0.22	1.52
A44	Rectangle	10%	3	3	12.3	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
A45	Rectangle	43%	3	3	12.3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
A46	Rectangle	80%	3	3	12.3	N/A	N/A	0%	29%	15%	23%	22%	19%	0.24	0.22	1.52
A51	Rectangle	57%	3	3	12.3	N/A	N/A	0%	31%	16%	22%	22%	20%	0.24	0.22	1.52
A52	Rectangle	29%	3	3	12.3	N/A	N/A	0%	53%	27%	17%	16%	35%	0.24	0.22	1.52
A53	Rectangle	24%	3	3	12.3	N/A	N/A	0%	57%	29%	16%	15%	38%	0.24	0.22	1.52
A54	Rectangle	89%	3	3	12.3	N/A	N/A	0%	10%	5%	28%	27%	6%	0.24	0.22	1.52
A55	Rectangle	64%	3	3	12.3	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24	0.22	1.52
A56	Rectangle	61%	3	3	12.3	N/A	N/A	0%	28%	14%	23%	23%	19%	0.24	0.22	1.52
A11	Rectangle	46%	3	3	12.3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
A12	Rectangle	24%	3	3	12.3	N/A	N/A	0%	56%	29%	16%	15%	37%	0.24	0.22	1.52
A13	Rectangle	23%	3	3	12.3	N/A	N/A	0%	56%	29%	16%	15%	37%	0.24	0.22	1.52
A14	Rectangle	22%	3	3	12.3	N/A	N/A	0%	56%	29%	16%	15%	37%	0.24	0.22	1.52
A15	Rectangle	11%	3	3	12.3	N/A	N/A	0%	56%	29%	16%	15%	37%	0.24	0.22	1.52
A16	Rectangle	34%	3	3	12.3	N/A	N/A	0%	65%	33%	14%	13%	42%	0.24	0.22	1.52
A121	Rectangle	36%	3	3	12.3	N/A	N/A	0%	48%	24%	18%	18%	31%	0.24	0.22	1.52
A122	Rectangle	15%	3	3	12.3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
A123	Rectangle	20%	3	3	12.3	N/A	N/A	0%	62%	31%	15%	14%	41%	0.24	0.22	1.52
A124	Rectangle	36%	3	3	12.3	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
A125	Rectangle	25%	3	3	12.3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
A126	Rectangle	18%	3	3	12.3	N/A	N/A	0%	54%	28%	17%	16%	36%	0.24	0.22	1.52
A127	Rectangle	18%	3	3	12.3	N/A	N/A	0%	60%	30%	15%	14%	39%	0.24	0.22	1.52
A128	Rectangle	8%	3	3	12.3	N/A	N/A	0%	60%	30%	15%	14%	39%	0.24	0.22	1.52
	B1 Rectangle-Half	587%	3	3	12.3	N/A	N/A	0%	67%	34%	13%	12%	44%	0.24	0.22	1.52
	B2 Rectangle-Half	558%	3	3	12.3	N/A	N/A	0%	9%	5%	28%	28%	6%	0.24	0.22	1.52
	B3 Rectangle-Half	558%	3	3	12.3	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
B4	Rectangle-Half	529%	3	3	12.3	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
	B5 Rectangle-Half	529%	3	3	12.3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
B6	Rectangle-Half	515%	3	3	12.3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
B7	Rectangle-Half	529%	3	3	12.3	N/A	N/A	0%	62%	32%	15%	14%	41%	0.24	0.22	1.52
	B8 Rectangle-Half	544%	3	3	12.3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
B21	Rectangle-Half	573%	3	3	12.3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
B22	Rectangle-Half	544%	3	3	12.3	N/A	N/A	0%	20%	10%	25%	25%	13%	0.24	0.22	1.52
B23	Rectangle-Half	515%	3	3	12.3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
B24	Rectangle-Half	558%	3	3	12.3	N/A	N/A	0%	62%	32%	15%	14%	41%	0.24	0.22	1.52
B25	Rectangle-Half	529%	3	3	12.3	N/A	N/A	0%	30%	15%	22%	22%	20%	0.24	0.22	1.52
B26	Rectangle-Half	544%	3	3	12.3	N/A	N/A	0%	52%	26%	17%	17%	34%	0.24	0.22	1.52
B31	Rectangle-Half	539%	3	3	12.3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
B32	Rectangle-Half	519%	3	3	12.3	N/A	N/A	0%	45%	23%	19%	18%	29%	0.24	0.22	1.52
B33	Rectangle-Half	539%	3	3	12.3	N/A	N/A	0%	59%	30%	15%	15%	39%	0.24	0.22	1.52
B34	Rectangle-Half	519%	3	3	12.3	N/A	N/A	0%	45%	23%	19%	18%	29%	0.24	0.22	1.52
B35	Rectangle-Half	510%	3	3	12.3	N/A	N/A	0%	59%	30%	15%	15%	39%	0.24	0.22	1.52
B36	Rectangle-Half	532%	3	3	12.3	N/A	N/A	0%	66%	33%	14%	13%	43%	0.24	0.22	1.52
	C1 Circle	60%	3	3	12.3	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24	0.22	1.52
C12	Circle	40%	3	3	12.3	N/A	N/A	0%	29%	15%	23%	22%	19%	0.24	0.22	1.52
C13	Circle	20%	3	3	12.3	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
C21	Circle	78%	3	3	12.3	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
C22	Circle	79%	3	3	12.3	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
C23	Circle	42%	3	3	12.3	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.52
C24	Circle	38%	3	3	12.3	N/A	N/A	0%	42%	21%	20%	19%	28%	0.24	0.22	1.52
C25	Circle	65%	3	3	12.3	N/A	N/A	0%	15%	8%	26%	26%	10%	0.24	0.22	1.52
C31	Circle	70%	3	3	12.3	N/A	N/A	0%	42%	21%	20%	19%	28%	0.24	0.22	1.52
C32	Circle	57%	3	3	12.3	N/A	N/A	0%	45%	23%	19%	18%	30%	0.24	0.22	1.52
C33	Circle	35%	3	3	12.3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
C34	Circle	63%	3	3	12.3	N/A	N/A	0%	27%	14%	23%	23%	18%	0.24	0.22	1.52
C35	Circle	40%	3	3	12.3	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24	0.22	1.52
C36	Circle	20%	3	3	12.3	N/A	N/A	0%	58%	29%	16%	15%	38%	0.24	0.22	1.52
C41	Circle	52%	3	3	12.3	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.52
C42	Circle	34%	3	3	12.3	N/A	N/A	0%	48%	24%	18%	18%	32%	0.24	0.22	1.52
C43	Circle	44%	3	3	12.3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
C51	Circle	54%	3	3	12.3	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24	0.22	1.52
C52	Circle	44%	3	3	12.3	N/A	N/A	0%	41%	21%	20%	19%	27%	0.24	0.22	1.52
C53	Circle	46%	3	3	12.3	N/A	N/A	0%	40%	20%	20%	20%	26%	0.24	0.22	1.52
C54	Circle	49%	3	3	12.3	N/A	N/A	0%	37%	19%	21%	20%	25%	0.24	0.22	1.52
C55	Circle	36%	3	3	12.3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
C14	Triangle	51%	3	3	12.3	N/A	N/A	0%	36%	18%	21%	21%	24%	0.24	0.22	1.52
C15	Triangle	36%	3	3	12.3	N/A	N/A	0%	47%	24%	18%	18%	31%	0.24	0.22	1.52
C16	Triangle	31%	3	3	12.3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.52
C61	Triangle	65%	3	3	12.3	N/A	N/A	0%	26%	13%	24%	23%	17%	0.24	0.22	1.52
C62	Triangle	34%	3	3	12.3	N/A	N/A	0%	48%	24%	18%	17%	32%	0.24	0.22	1.52
C63	Triangle	37%	3	3	12.3	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24	0.22	1.52
C64	Triangle	33%	3	3	12.3	N/A	N/A	0%	49%	25%	18%	17%	32%	0.24	0.22	1.52
C65	Triangle	24%	3	3	12.3	N/A	N/A	0%	56%	28%	16%	15%	37%	0		

Panel Layers		Layers				Visible					Solar Heat U-Value (BTU/hrft ² F)			
LowIron-LowIron-Spacer-LowE Clear		Cell Coverage	Class L1	Class L2	Spacer	Class L3	Spacer	Class L4	Visible	UV	Visible	Total	Reflectance	Light to
Panel Type	Shape		Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Gain Solar	% Transmittance	% Transmittance	Winter	Summer	Gain
Area									Nighttime	Daytime				
C74 Triangle	47%		3	3	12 3	N/A	N/A		0%	38%	19%	21%	20%	25%
C75 Triangle	37%		3	3	12 3	N/A	N/A		0%	46%	23%	19%	18%	30%
C76 Triangle	41%		3	3	12 3	N/A	N/A		0%	43%	22%	19%	19%	28%
C17 Hexagon	48%		3	3	12 3	N/A	N/A		0%	38%	19%	21%	20%	25%
C18 Hexagon	32%		3	3	12 3	N/A	N/A		0%	50%	25%	18%	17%	33%
C19 Hexagon	16%		3	3	12 3	N/A	N/A		0%	61%	31%	15%	14%	40%
C81 Hexagon	68%		3	3	12 3	N/A	N/A		0%	23%	12%	24%	24%	15%
C82 Hexagon	36%		3	3	12 3	N/A	N/A		0%	46%	24%	19%	18%	31%
C83 Hexagon	36%		3	3	12 3	N/A	N/A		0%	46%	24%	19%	18%	31%
C84 Hexagon	52%		3	3	12 3	N/A	N/A		0%	35%	18%	21%	21%	23%
C85 Hexagon	22%		3	3	12 3	N/A	N/A		0%	57%	29%	16%	15%	38%
C91 Hexagon	69%		3	3	12 3	N/A	N/A		0%	23%	11%	24%	24%	15%
C92 Hexagon	53%		3	3	12 3	N/A	N/A		0%	34%	17%	22%	21%	22%
C93 Hexagon	37%		3	3	12 3	N/A	N/A		0%	46%	23%	19%	18%	30%
C94 Hexagon	10%		3	3	12 3	N/A	N/A		0%	66%	33%	14%	13%	43%
C95 Hexagon	32%		3	3	12 3	N/A	N/A		0%	50%	25%	18%	17%	33%
C96 Hexagon	47%		3	3	12 3	N/A	N/A		0%	38%	20%	21%	20%	25%
C101 Parallelogram	63%		3	3	12 3	N/A	N/A		0%	27%	14%	23%	23%	18%
C102 Parallelogram	30%		3	3	12 3	N/A	N/A		0%	51%	26%	17%	17%	34%
C103 Parallelogram	37%		3	3	12 3	N/A	N/A		0%	46%	23%	19%	18%	30%
C104 Parallelogram	32%		3	3	12 3	N/A	N/A		0%	50%	25%	18%	17%	33%
C105 Parallelogram	23%		3	3	12 3	N/A	N/A		0%	56%	28%	16%	15%	37%
C106 Parallelogram	50%		3	3	12 3	N/A	N/A		0%	37%	19%	21%	20%	24%
C111 Parallelogram	63%		3	3	12 3	N/A	N/A		0%	34%	17%	22%	21%	22%
C112 Parallelogram	60%		3	3	12 3	N/A	N/A		0%	44%	22%	19%	19%	29%
C113 Parallelogram	43%		3	3	12 3	N/A	N/A		0%	41%	21%	20%	19%	27%
C114 Parallelogram	27%		3	3	12 3	N/A	N/A		0%	54%	27%	17%	16%	35%
C115 Parallelogram	40%		3	3	12 3	N/A	N/A		0%	44%	22%	19%	19%	29%
C116 Parallelogram	27%		3	3	12 3	N/A	N/A		0%	54%	27%	17%	16%	35%
			3	3										
			3	3										

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)Light to			
LowIron-LowIron-Spacer-LowEClear													
Panel TypeShape	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible	Light Total	Solar Reflectance	Transmittance	ExteriorInteriorCoefficientWinter Summer Gain	
Area		Th ickn es s	Th ickn es s		Size Thickness	Size Thickness		Nighttime Daytime	%	%	%	%	%
Non-ActiveAny Shape0%		4	4		12 4 N/A N/A			0% 73% 36% 12% 11% 48% 0.24 0.22 1.52					
A1 Rectangle 92%		4	4		12 4 N/A N/A			0% 6% 3% 29% 28% 4% 0.24 0.22 1.52					
A2 Rectangle 61%		4	4		12 4 N/A N/A			0% 28% 14% 23% 23% 19% 0.24 0.22 1.52					
A3 Rectangle 61%		4	4		12 4 N/A N/A			0% 28% 14% 23% 23% 19% 0.24 0.22 1.52					
A4 Rectangle 31%		4	4		12 4 N/A N/A			0% 51% 25% 18% 17% 33% 0.24 0.22 1.52					
A5 Rectangle 31%		4	4		12 4 N/A N/A			0% 51% 25% 18% 17% 33% 0.24 0.22 1.52					
A6 Rectangle 15%		4	4		12 4 N/A N/A			0% 62% 30% 15% 14% 41% 0.24 0.22 1.52					
A7 Rectangle 31%		4	4		12 4 N/A N/A			0% 51% 25% 18% 17% 33% 0.24 0.22 1.52					
A8 Rectangle 46%		4	4		12 4 N/A N/A			0% 40% 19% 20% 20% 26% 0.24 0.22 1.52					
A21 Rectangle 76%		4	4		12 4 N/A N/A			0% 17% 8% 26% 26% 11% 0.24 0.22 1.52					
A22 Rectangle 38%		4	4		12 4 N/A N/A			0% 45% 22% 19% 18% 30% 0.24 0.22 1.52					
A23 Rectangle 15%		4	4		12 4 N/A N/A			0% 62% 30% 15% 14% 41% 0.24 0.22 1.52					
A24 Rectangle 46%		4	4		12 4 N/A N/A			0% 40% 19% 20% 20% 26% 0.24 0.22 1.52					
A25 Rectangle 31%		4	4		12 4 N/A N/A			0% 51% 25% 18% 17% 33% 0.24 0.22 1.52					
A26 Rectangle 15%		4	4		12 4 N/A N/A			0% 62% 30% 15% 14% 41% 0.24 0.22 1.52					
A27 Rectangle 23%		4	4		12 4 N/A N/A			0% 56% 28% 16% 15% 37% 0.24 0.22 1.52					
A31 Rectangle 31%		4	4		12 4 N/A N/A			0% 51% 25% 18% 17% 33% 0.24 0.22 1.52					
A32 Rectangle 29%		4	4		12 4 N/A N/A			0% 58% 29% 16% 15% 38% 0.24 0.22 1.52					
A33 Rectangle 10%		4	4		12 4 N/A N/A			0% 66% 32% 14% 13% 43% 0.24 0.22 1.52					
A34 Rectangle 5%		4	4		12 4 N/A N/A			0% 69% 34% 13% 12% 46% 0.24 0.22 1.52					
A41 Rectangle 74%		4	4		12 4 N/A N/A			0% 19% 9% 25% 25% 13% 0.24 0.22 1.52					
A42 Rectangle 42%		4	4		12 4 N/A N/A			0% 39% 19% 20% 20% 25% 0.24 0.22 1.52					
A43 Rectangle 14%		4	4		12 4 N/A N/A			0% 63% 31% 15% 14% 41% 0.24 0.22 1.52					
A44 Rectangle 10%		4	4		12 4 N/A N/A			0% 66% 32% 14% 13% 43% 0.24 0.22 1.52					
A45 Rectangle 43%		4	4		12 4 N/A N/A			0% 41% 20% 20% 19% 27% 0.24 0.22 1.52					
A46 Rectangle 60%		4	4		12 4 N/A N/A			0% 29% 14% 23% 22% 19% 0.24 0.22 1.52					
A51 Rectangle 57%		4	4		12 4 N/A N/A			0% 31% 15% 22% 22% 20% 0.24 0.22 1.52					
A52 Rectangle 27%		4	4		12 4 N/A N/A			0% 53% 26% 17% 16% 35% 0.24 0.22 1.52					
A53 Rectangle 22%		4	4		12 4 N/A N/A			0% 57% 28% 16% 15% 38% 0.24 0.22 1.52					
A54 Rectangle 87%		4	4		12 4 N/A N/A			0% 10% 5% 28% 27% 6% 0.24 0.22 1.52					
A55 Rectangle 69%		4	4		12 4 N/A N/A			0% 23% 11% 24% 24% 15% 0.24 0.22 1.52					
A56 Rectangle 61%		4	4		12 4 N/A N/A			0% 28% 14% 23% 23% 19% 0.24 0.22 1.52					
A111 Rectangle 46%		4	4		12 4 N/A N/A			0% 40% 19% 20% 20% 26% 0.24 0.22 1.52					
A112 Rectangle 23%		4	4		12 4 N/A N/A			0% 56% 28% 16% 15% 37% 0.24 0.22 1.52					
A113 Rectangle 23%		4	4		12 4 N/A N/A			0% 56% 28% 16% 15% 37% 0.24 0.22 1.52					
A114 Rectangle 23%		4	4		12 4 N/A N/A			0% 65% 32% 14% 13% 42% 0.24 0.22 1.52					
A115 Rectangle 11%		4	4		12 4 N/A N/A			0% 48% 24% 18% 18% 31% 0.24 0.22 1.52					
A116 Rectangle 34%		4	4		12 4 N/A N/A			0% 47% 23% 18% 18% 31% 0.24 0.22 1.52					
A121 Rectangle 36%		4	4		12 4 N/A N/A			0% 62% 30% 15% 14% 41% 0.24 0.22 1.52					
A122 Rectangle 15%		4	4		12 4 N/A N/A			0% 58% 29% 16% 15% 38% 0.24 0.22 1.52					
A123 Rectangle 20%		4	4		12 4 N/A N/A			0% 47% 23% 18% 18% 31% 0.24 0.22 1.52					
A124 Rectangle 36%		4	4		12 4 N/A N/A			0% 54% 27% 17% 16% 36% 0.24 0.22 1.52					
A125 Rectangle 25%		4	4		12 4 N/A N/A			0% 60% 30% 15% 14% 39% 0.24 0.22 1.52					
A126 Rectangle 18%		4	4		12 4 N/A N/A			0% 60% 30% 15% 14% 39% 0.24 0.22 1.52					
A127 Rectangle 18%		4	4		12 4 N/A N/A			0% 67% 33% 13% 12% 44% 0.24 0.22 1.52					
A128 Rectangle 8%		4	4		12 4 N/A N/A			0% 9% 5% 28% 28% 6% 0.24 0.22 1.52					
B1Rectangle-Half 597%		4	4		12 4 N/A N/A			0% 30% 15% 22% 22% 20% 0.24 0.22 1.52					
B2Rectangle-Half 569%		4	4		12 4 N/A N/A			0% 30% 15% 22% 22% 20% 0.24 0.22 1.52					
B3Rectangle-Half 558%		4	4		12 4 N/A N/A			0% 52% 26% 17% 17% 34% 0.24 0.22 1.52					
B4Rectangle-Half 629%		4	4		12 4 N/A N/A			0% 52% 26% 17% 17% 34% 0.24 0.22 1.52					
B5Rectangle-Half 529%		4	4		12 4 N/A N/A			0% 62% 31% 15% 14% 41% 0.24 0.22 1.52					
B6Rectangle-Half 616%		4	4		12 4 N/A N/A			0% 52% 26% 17% 17% 34% 0.24 0.22 1.52					
B7Rectangle-Half 529%		4	4		12 4 N/A N/A			0% 41% 20% 20% 19% 27% 0.24 0.22 1.52					
B8Rectangle-Half 544%		4	4		12 4 N/A N/A			0% 20% 10% 25% 25% 13% 0.24 0.22 1.52					
B21Rectangle-Half 573%		4	4		12 4 N/A N/A			0% 41% 20% 20% 19% 27% 0.24 0.22 1.52					
B22Rectangle-Half 544%		4	4		12 4 N/A N/A			0% 62% 31% 15% 14% 41% 0.24 0.22 1.52					
B23Rectangle-Half 515%		4	4		12 4 N/A N/A			0% 30% 15% 22% 22% 20% 0.24 0.22 1.52					
B24Rectangle-Half 558%		4	4		12 4 N/A N/A			0% 32% 16% 17% 17% 34% 0.24 0.22 1.52					
B25Rectangle-Half 529%		4	4		12 4 N/A N/A			0% 41% 20% 20% 19% 27% 0.24 0.22 1.52					
B26Rectangle-Half 544%		4	4		12 4 N/A N/A			0% 45% 22% 19% 18% 29% 0.24 0.22 1.52					
B31Rectangle-Half 539%		4	4		12 4 N/A N/A			0% 59% 29% 15% 15% 39% 0.24 0.22 1.52					
B32Rectangle-Half 519%		4	4		12 4 N/A N/A			0% 45% 22% 19% 18% 29% 0.24 0.22 1.52					
B33Rectangle-Half 539%		4	4		12 4 N/A N/A			0% 59% 29% 15% 15% 39% 0.24 0.22 1.52					
B34Rectangle-Half 519%		4	4		12 4 N/A N/A			0% 66% 33% 14% 13% 43% 0.24 0.22 1.52					
B35Rectangle-Half 510%		4	4		12 4 N/A N/A			0% 50% 25% 18% 17% 33% 0.24 0.22 1.52					
B36Rectangle-Half 532%		4	4		12 4 N/A N/A			0% 29% 14% 23% 22% 19% 0.24 0.22 1.52					
C11 Circle 60%		4	4		12 4 N/A N/A			0% 44% 22% 19% 19% 29% 0.24 0.22 1.52					
C12 Circle 40%		4	4		12 4 N/A N/A			0% 58% 29% 16% 15% 38% 0.24 0.22 1.52					
C13 Circle 20%		4	4		12 4 N/A N/A			0% 16% 8% 26% 26% 10% 0.24 0.22 1.52					
C21 Circle 78%		4	4		12 4 N/A N/A			0% 15% 8% 26% 26% 10% 0.24 0.22 1.52					
C22 Circle 79%		4	4		12 4 N/A N/A			0% 42% 21% 20% 19% 28% 0.24 0.22 1.52					
C23 Circle 42%		4	4		12 4 N/A N/A			0% 45% 22% 19% 18% 30% 0.24 0.22 1.52					
C24 Circle 38%		4	4		12 4 N/A N/A			0% 25% 13% 24% 23% 17% 0.24 0.22 1.52					
C25 Circle 65%		4	4		12 4 N/A N/A			0% 22% 11% 25% 24% 14% 0.24 0.22 1.52					
C31 Circle 70%		4	4		12 4 N/A N/A			0% 31% 15% 22% 22% 21% 0.24 0.22 1.52					
C32 Circle 57%		4	4		12 4 N/A N/A			0% 47% 23% 18% 18% 31% 0.24 0.22 1.52					
C33 Circle 35%		4	4		12 4 N/A N/A			0% 27% 13% 23% 23% 18% 0.24 0.22 1.52					
C34 Circle 63%		4	4		12 4 N/A N/A			0% 44% 22% 19% 19% 29% 0.24 0.22 1.52					
C35 Circle 40%		4	4		12 4 N/A N/A			0% 58% 29% 16% 15% 38% 0.24 0.22 1.52					
C36 Circle 20%		4	4		12 4 N/A N/A			0% 35% 17% 21% 21% 23% 0.24 0.22 1.52					
C41 Circle 52%		4	4		12 4 N/A N/A			0% 48% 24% 18% 18% 32% 0.24 0.22					

Panel Layers		Layers						Visible Light Total Solar Reflectance					Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-LowEClear		Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible Light Transmittance	Interior Coefficient	Winter	Summer	Gain			
Panel Type	Shape Area		Th ickn es s	Th ickn es s				Size Thickness	Size Thickness	Nighttime	Daytime					
C74 Triangle	47%	4	4				12 4	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24 0.22 1.52
C75 Triangle	37%	4	4				12 4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24 0.22 1.52
C76 Triangle	41%	4	4				12 4	N/A	N/A	0%	43%	21%	19%	19%	28%	0.24 0.22 1.52
C17 Hexagon	48%	4	4				12 4	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24 0.22 1.52
C18 Hexagon	32%	4	4				12 4	N/A	N/A	0%	50%	24%	18%	17%	33%	0.24 0.22 1.52
C19 Hexagon	16%	4	4				12 4	N/A	N/A	0%	61%	30%	15%	14%	40%	0.24 0.22 1.52
C81 Hexagon	68%	4	4				12 4	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24 0.22 1.52
C82 Hexagon	36%	4	4				12 4	N/A	N/A	0%	46%	23%	19%	18%	31%	0.24 0.22 1.52
C83 Hexagon	36%	4	4				12 4	N/A	N/A	0%	46%	23%	19%	18%	31%	0.24 0.22 1.52
C84 Hexagon	52%	4	4				12 4	N/A	N/A	0%	35%	17%	21%	21%	23%	0.24 0.22 1.52
C85 Hexagon	22%	4	4				12 4	N/A	N/A	0%	57%	28%	16%	15%	38%	0.24 0.22 1.52
C91 Hexagon	69%	4	4				12 4	N/A	N/A	0%	23%	11%	24%	24%	15%	0.24 0.22 1.52
C92 Hexagon	53%	4	4				12 4	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24 0.22 1.52
C93 Hexagon	37%	4	4				12 4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24 0.22 1.52
C94 Hexagon	10%	4	4				12 4	N/A	N/A	0%	66%	32%	14%	13%	43%	0.24 0.22 1.52
C95 Hexagon	32%	4	4				12 4	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24 0.22 1.52
C96 Hexagon	47%	4	4				12 4	N/A	N/A	0%	38%	19%	21%	20%	25%	0.24 0.22 1.52
C101 Parallelogram	63%	4	4				12 4	N/A	N/A	0%	27%	13%	23%	23%	18%	0.24 0.22 1.52
C102 Parallelogram	30%	4	4				12 4	N/A	N/A	0%	61%	25%	17%	17%	34%	0.24 0.22 1.52
C103 Parallelogram	37%	4	4				12 4	N/A	N/A	0%	46%	23%	19%	18%	30%	0.24 0.22 1.52
C104 Parallelogram	32%	4	4				12 4	N/A	N/A	0%	50%	25%	18%	17%	33%	0.24 0.22 1.52
C105 Parallelogram	23%	4	4				12 4	N/A	N/A	0%	56%	28%	16%	15%	37%	0.24 0.22 1.52
C106 Parallelogram	50%	4	4				12 4	N/A	N/A	0%	37%	18%	21%	20%	24%	0.24 0.22 1.52
C111 Parallelogram	53%	4	4				12 4	N/A	N/A	0%	34%	17%	22%	21%	22%	0.24 0.22 1.52
C112 Parallelogram	49%	4	4				12 4	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24 0.22 1.52
C113 Parallelogram	43%	4	4				12 4	N/A	N/A	0%	41%	20%	20%	19%	27%	0.24 0.22 1.52
C114 Parallelogram	22%	4	4				12 4	N/A	N/A	0%	54%	26%	17%	16%	35%	0.24 0.22 1.52
C115 Parallelogram	40%	4	4				12 4	N/A	N/A	0%	44%	22%	19%	19%	29%	0.24 0.22 1.52
C116 Parallelogram	27%	4	4				12 4	N/A	N/A	0%	54%	26%	17%	16%	35%	0.24 0.22 1.52
		4	4													
		4	4													

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)		Light to							
LowIron-LowIron-Spacer-LowE Clear																			
Panel Type	Shape	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	Size	Thickness	Size	Thickness							
Area	Shape		Th ickn es s	Th ickn es s		Th ickn es s	Th ickn es s		Size	Thickness	Size	Thickness							
Non-ActiveAny	Shape0%		6	6		12	6	N/A	N/A		0%	72%	35%	12%	11%	48%	0.24	0.22	1.50
	A1 Rectangle	92%	6	6		12	6	N/A	N/A		0%	6%	3%	29%	28%	4%	0.24	0.22	1.50
A2 Rectangle	61%		6	6		12	6	N/A	N/A		0%	20%	14%	23%	23%	19%	0.24	0.22	1.50
A3 Rectangle	61%		6	6		12	6	N/A	N/A		0%	28%	14%	23%	23%	19%	0.24	0.22	1.50
A4 Rectangle	31%		6	6		12	6	N/A	N/A		0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
A5 Rectangle	31%		6	6		12	6	N/A	N/A		0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
A6 Rectangle	15%		6	6		12	6	N/A	N/A		0%	43%	30%	15%	14%	41%	0.24	0.22	1.50
A7 Rectangle	31%		6	6		12	6	N/A	N/A		0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
	A8 Rectangle	46%	6	6		12	6	N/A	N/A		0%	39%	19%	20%	20%	26%	0.24	0.22	1.50
A21 Rectangle	76%		6	6		12	6	N/A	N/A		0%	17%	8%	26%	26%	11%	0.24	0.22	1.50
A22 Rectangle	38%		6	6		12	6	N/A	N/A		0%	44%	22%	19%	18%	30%	0.24	0.22	1.50
A23 Rectangle	15%		6	6		12	6	N/A	N/A		0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
A24 Rectangle	46%		6	6		12	6	N/A	N/A		0%	39%	19%	20%	20%	26%	0.24	0.22	1.50
A25 Rectangle	31%		6	6		12	6	N/A	N/A		0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
A26 Rectangle	15%		6	6		12	6	N/A	N/A		0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
A27 Rectangle	23%		6	6		12	6	N/A	N/A		0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
A31 Rectangle	31%		6	6		12	6	N/A	N/A		0%	50%	24%	18%	17%	33%	0.24	0.22	1.50
A32 Rectangle	20%		6	6		12	6	N/A	N/A		0%	57%	28%	16%	15%	38%	0.24	0.22	1.50
A33 Rectangle	10%		6	6		12	6	N/A	N/A		0%	65%	31%	14%	13%	43%	0.24	0.22	1.50
A34 Rectangle	5%		6	6		12	6	N/A	N/A		0%	68%	33%	13%	12%	46%	0.24	0.22	1.50
A41 Rectangle	74%		6	6		12	6	N/A	N/A		0%	19%	9%	25%	25%	13%	0.24	0.22	1.50
A42 Rectangle	47%		6	6		12	6	N/A	N/A		0%	38%	19%	20%	20%	25%	0.24	0.22	1.50
A43 Rectangle	14%		6	6		12	6	N/A	N/A		0%	62%	30%	15%	14%	41%	0.24	0.22	1.50
A44 Rectangle	10%		6	6		12	6	N/A	N/A		0%	65%	31%	14%	13%	43%	0.24	0.22	1.50
A45 Rectangle	43%		6	6		12	6	N/A	N/A		0%	41%	20%	20%	19%	27%	0.24	0.22	1.50
A46 Rectangle	80%		6	6		12	6	N/A	N/A		0%	29%	14%	23%	22%	19%	0.24	0.22	1.50
A51 Rectangle	57%		6	6		12	6	N/A	N/A		0%	31%	15%	22%	22%	20%	0.24	0.22	1.50
A52 Rectangle	29%		6	6		12	6	N/A	N/A		0%	53%	26%	17%	16%	35%	0.24	0.22	1.50
A53 Rectangle	24%		6	6		12	6	N/A	N/A		0%	56%	27%	16%	15%	38%	0.24	0.22	1.50
A54 Rectangle	89%		6	6		12	6	N/A	N/A		0%	10%	5%	28%	27%	6%	0.24	0.22	1.50
A55 Rectangle	64%		6	6		12	6	N/A	N/A		0%	22%	11%	24%	24%	15%	0.24	0.22	1.50
A56 Rectangle	64%		6	6		12	6	N/A	N/A		0%	28%	14%	23%	23%	19%	0.24	0.22	1.50
A111 Rectangle	44%		6	6		12	6	N/A	N/A		0%	39%	19%	20%	20%	26%	0.24	0.22	1.50
A112 Rectangle	24%		6	6		12	6	N/A	N/A		0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
A113 Rectangle	24%		6	6		12	6	N/A	N/A		0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
A114 Rectangle	24%		6	6		12	6	N/A	N/A		0%	55%	27%	16%	15%	37%	0.24	0.22	1.50
A115 Rectangle	11%		6	6		12	6	N/A	N/A		0%	64%	31%	14%	13%	42%	0.24	0.22	1.50
A116 Rectangle	34%		6	6		12	6	N/A	N/A		0%	47%	23%	18%	18%	31%	0.24	0.22	1.50
A121 Rectangle	36%		6	6		12	6	N/A	N/A		0%	46%	23%	18%	18%	31%	0.24	0.22	1.50
A122 Rectangle	15%		6	6		12	6	N/A	N/A		0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
A123 Rectangle	20%		6	6		12	6	N/A	N/A		0%	57%	28%	16%	15%	38%	0.24	0.22	1.50
A124 Rectangle	36%		6	6		12	6	N/A	N/A		0%	46%	23%	18%	18%	31%	0.24	0.22	1.50
A125 Rectangle	25%		6	6		12	6	N/A	N/A		0%	54%	26%	17%	16%	36%	0.24	0.22	1.50
A126 Rectangle	18%		6	6		12	6	N/A	N/A		0%	59%	29%	15%	14%	39%	0.24	0.22	1.50
A127 Rectangle	18%		6	6		12	6	N/A	N/A		0%	59%	29%	15%	14%	39%	0.24	0.22	1.50
A128 Rectangle	8%		6	6		12	6	N/A	N/A		0%	66%	32%	13%	12%	44%	0.24	0.22	1.50
	B1 Rectangle-Half	587%	6	6		12	6	N/A	N/A		0%	9%	4%	28%	28%	6%	0.24	0.22	1.50
	B2 Rectangle-Half	558%	6	6		12	6	N/A	N/A		0%	30%	15%	22%	22%	20%	0.24	0.22	1.50
	B3 Rectangle-Half	558%	6	6		12	6	N/A	N/A		0%	30%	15%	22%	22%	20%	0.24	0.22	1.50
B4 Rectangle-Half	529%		6	6		12	6	N/A	N/A		0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
	B5 Rectangle-Half	529%	6	6		12	6	N/A	N/A		0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
B6 Rectangle-Half	515%		6	6		12	6	N/A	N/A		0%	62%	30%	15%	14%	41%	0.24	0.22	1.50
B7 Rectangle-Half	529%		6	6		12	6	N/A	N/A		0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
	B8 Rectangle-Half	544%	6	6		12	6	N/A	N/A		0%	41%	20%	20%	19%	27%	0.24	0.22	1.50
B21 Rectangle-Half	573%		6	6		12	6	N/A	N/A		0%	20%	10%	25%	25%	13%	0.24	0.22	1.50
B22 Rectangle-Half	544%		6	6		12	6	N/A	N/A		0%	43%	20%	20%	19%	27%	0.24	0.22	1.50
B23 Rectangle-Half	515%		6	6		12	6	N/A	N/A		0%	62%	30%	15%	14%	41%	0.24	0.22	1.50
B24 Rectangle-Half	558%		6	6		12	6	N/A	N/A		0%	30%	15%	22%	22%	20%	0.24	0.22	1.50
B25 Rectangle-Half	529%		6	6		12	6	N/A	N/A		0%	51%	25%	17%	17%	34%	0.24	0.22	1.50
B26 Rectangle-Half	544%		6	6		12	6	N/A	N/A		0%	61%	30%	15%	14%	41%	0.24	0.22	1.50
B31 Rectangle-Half	539%		6	6		12	6	N/A	N/A		0%	44%	21%	19%	18%	29%	0.24	0.22	1.50
B32 Rectangle-Half	519%		6	6		12	6	N/A	N/A		0%	58%	28%	15%	15%	39%	0.24	0.22	1.50
B33 Rectangle-Half	539%		6	6		12	6	N/A	N/A		0%	46%	21%	19%	18%	29%	0.24	0.22	1.50
B34 Rectangle-Half	519%		6	6		12	6	N/A	N/A		0%	58%	28%	15%	15%	39%	0.24	0.22	1.50
B35 Rectangle-Half	510%		6	6		12	6	N/A	N/A		0%	65%	32%	14%	13%	43%	0.24	0.22	1.50
B36 Rectangle-Half	532%		6	6		12	6	N/A	N/A		0%	49%	24%	18%	17%	33%	0.24	0.22	1.50
	C1 Circle	60%	6	6		12	6	N/A	N/A		0%	29%	14%	23%	22%	19%	0.24	0.22	1.50
C12 Circle	40%		6	6		12	6	N/A	N/A		0%	43%	21%	19%	19%	29%	0.24	0.22	1.50
C13 Circle	20%		6	6		12	6	N/A	N/A		0%	58%	28%	16%	15%	38%	0.24	0.22	1.50
C21 Circle	78%		6	6		12	6	N/A	N/A		0%	16%	8%	26%	26%	10%	0.24	0.22	1.50
C22 Circle	79%		6	6		12	6	N/A	N/A		0%	15%	7%	26%	26%	10%	0.24	0.22	1.50
C23 Circle	42%		6	6		12	6	N/A	N/A		0%	41%	20%	20%	19%	28%	0.24	0.22	1.50
C24 Circle	38%		6	6		12	6	N/A	N/A		0%	44%	22%	19%	18%	30%	0.24	0.22	1.50
C25 Circle	65%		6	6		12	6	N/A	N/A		0%	25%	12%	24%	23%	17%	0.24	0.22	1.50
C31 Circle	70%		6	6		12	6	N/A	N/A		0%	22%	10%	25%	24%	14%	0.24	0.22	1.50
C32 Circle	57%		6	6		12	6	N/A	N/A		0%	31%	15%	22%	22%	21%	0.24	0.22	1.50
C33 Circle	35%		6	6		12	6	N/A	N/A		0%	47%	23%	18%	18%	31%	0.24	0.22	1.50
C34 Circle	63%		6	6		12	6	N/A	N/A		0%	27%	13%	23%	23%	18%	0.24	0.22	1.50
C35 Circle	40%		6	6		12	6	N/A	N/A		0%	43%	21%	19%	19%	29%	0.24	0.22	1.50
C36 Circle	20%		6	6		12	6	N/A	N/A		0%	57%	28%	16%	15%	38%	0.24	0.22	1.50
C41 Circle	52%		6	6		12	6	N/A	N/A		0%	34%	17%	21%	21%	23%	0.24	0.22	1.50
C42 Circle	34%		6	6		12	6	N/A	N/A		0%	47%	23%	18%	18%	31%	0.24	0.22	1.50
C43 Circle	44%		6	6		12	6	N/A	N/A		0%	40%	20%	20%	19%	27%	0.24	0.22	1.50
C51 Circle	54%		6	6		12	6	N/A	N/A		0%	33%	16%	22%	21%	22%	0.24	0.22	1.50
C52 Circle	44%		6	6		12	6	N/A	N/A		0%	40%	20%	20%	19%	27%	0.24	0.22	1.50
C53 Circle	46%																		

Panel Layers		Layers				Visible				Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-LowEClear													
Panel TypeShape Area	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	UV	Visible	Light	Total	Reflectance	Solar Heat U-Value (BTU/hrft ² F)	Light to	
		Thickness	Thickness	Size	Thickness	Transmittance	Transmittance	Transmittance	Transmittance	Transmittance			
C74 Triangle 47%		6	6	12.6 N/A N/A		0%	38%	18%	21%	20%	25%	0.24	0.22 1.50
C75 Triangle 37%		6	6	12.6 N/A N/A		0%	45%	22%	19%	18%	30%	0.24	0.22 1.50
C76 Triangle 41%		6	6	12.6 N/A N/A		0%	42%	21%	19%	19%	28%	0.24	0.22 1.50
C17 Hexagon 48%		6	6	12.6 N/A N/A		0%	37%	18%	21%	20%	25%	0.24	0.22 1.50
C18 Hexagon 32%		6	6	12.6 N/A N/A		0%	49%	24%	18%	17%	33%	0.24	0.22 1.50
C19 Hexagon 16%		6	6	12.6 N/A N/A		0%	60%	29%	15%	14%	40%	0.24	0.22 1.50
C81 Hexagon 68%		6	6	12.6 N/A N/A		0%	23%	11%	24%	24%	15%	0.24	0.22 1.50
C82 Hexagon 36%		6	6	12.6 N/A N/A		0%	46%	22%	19%	18%	31%	0.24	0.22 1.50
C83 Hexagon 36%		6	6	12.6 N/A N/A		0%	46%	22%	19%	18%	31%	0.24	0.22 1.50
C84 Hexagon 52%		6	6	12.6 N/A N/A		0%	34%	17%	21%	21%	23%	0.24	0.22 1.50
C85 Hexagon 22%		6	6	12.6 N/A N/A		0%	56%	27%	16%	15%	38%	0.24	0.22 1.50
C91 Hexagon 69%		6	6	12.6 N/A N/A		0%	22%	11%	24%	24%	15%	0.24	0.22 1.50
C92 Hexagon 53%		6	6	12.6 N/A N/A		0%	34%	16%	22%	21%	22%	0.24	0.22 1.50
C93 Hexagon 37%		6	6	12.6 N/A N/A		0%	45%	22%	19%	18%	30%	0.24	0.22 1.50
C94 Hexagon 10%		6	6	12.6 N/A N/A		0%	65%	32%	14%	13%	43%	0.24	0.22 1.50
C95 Hexagon 32%		6	6	12.6 N/A N/A		0%	49%	24%	18%	17%	33%	0.24	0.22 1.50
C96 Hexagon 47%		6	6	12.6 N/A N/A		0%	38%	18%	21%	20%	25%	0.24	0.22 1.50
C101 Parallelogram 63%		6	6	12.6 N/A N/A		0%	27%	13%	23%	23%	18%	0.24	0.22 1.50
C102 Parallelogram 30%		6	6	12.6 N/A N/A		0%	50%	25%	17%	17%	34%	0.24	0.22 1.50
C103 Parallelogram 37%		6	6	12.6 N/A N/A		0%	46%	22%	19%	18%	30%	0.24	0.22 1.50
C104 Parallelogram 32%		6	6	12.6 N/A N/A		0%	49%	24%	18%	17%	33%	0.24	0.22 1.50
C105 Parallelogram 23%		6	6	12.6 N/A N/A		0%	55%	27%	16%	15%	37%	0.24	0.22 1.50
C106 Parallelogram 50%		6	6	12.6 N/A N/A		0%	36%	18%	21%	20%	24%	0.24	0.22 1.50
C111 Parallelogram 53%		6	6	12.6 N/A N/A		0%	34%	16%	22%	21%	22%	0.24	0.22 1.50
C112 Parallelogram 60%		6	6	12.6 N/A N/A		0%	43%	21%	19%	19%	29%	0.24	0.22 1.50
C113 Parallelogram 63%		6	6	12.6 N/A N/A		0%	41%	20%	20%	19%	27%	0.24	0.22 1.50
C114 Parallelogram 22%		6	6	12.6 N/A N/A		0%	53%	26%	17%	16%	35%	0.24	0.22 1.50
C115 Parallelogram 40%		6	6	12.6 N/A N/A		0%	43%	21%	19%	19%	29%	0.24	0.22 1.50
C116 Parallelogram 27%		6	6	12.6 N/A N/A		0%	53%	26%	17%	16%	35%	0.24	0.22 1.50

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-LowELowIron													
Panel Type	Shape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Thickness	Glass L3 Thickness	Glass L4 Thickness	Visible Light Transmittance	Visible Light Reflectance	Total Solar Reflectance	U-Value	Light to	Light to
Area	Shape							Daytime	Nighttime	Winter	Summer	Interior	Exterior
Non-Active	Any	Shape 0%	3	3		12.3	N/A	N/A		0% 75% 38% 12% 11% 48% 0.29 0.27 1.56			
	A1 Rectangle	92%	3	3		12.3	N/A	N/A		0% 6% 3% 29% 28% 4% 0.29 0.27 1.56			
A2	Rectangle	61%	3	3		12.3	N/A	N/A		0% 29% 15% 23% 23% 19% 0.29 0.27 1.56			
A3	Rectangle	61%	3	3		12.3	N/A	N/A		0% 29% 15% 23% 23% 19% 0.29 0.27 1.56			
A4	Rectangle	31%	3	3		12.3	N/A	N/A		0% 52% 26% 18% 17% 33% 0.29 0.27 1.56			
A5	Rectangle	31%	3	3		12.3	N/A	N/A		0% 52% 26% 18% 17% 33% 0.29 0.27 1.56			
A6	Rectangle	15%	3	3		12.3	N/A	N/A		0% 64% 32% 15% 14% 41% 0.29 0.27 1.56			
A7	Rectangle	31%	3	3		12.3	N/A	N/A		0% 52% 26% 18% 17% 33% 0.29 0.27 1.56			
	A8 Rectangle	46%	3	3		12.3	N/A	N/A		0% 41% 21% 20% 20% 26% 0.29 0.27 1.56			
A21	Rectangle	76%	3	3		12.3	N/A	N/A		0% 18% 9% 26% 26% 11% 0.29 0.27 1.56			
A22	Rectangle	38%	3	3		12.3	N/A	N/A		0% 46% 23% 19% 18% 30% 0.29 0.27 1.56			
A23	Rectangle	15%	3	3		12.3	N/A	N/A		0% 64% 32% 15% 14% 41% 0.29 0.27 1.56			
A24	Rectangle	46%	3	3		12.3	N/A	N/A		0% 41% 21% 20% 20% 26% 0.29 0.27 1.56			
A25	Rectangle	31%	3	3		12.3	N/A	N/A		0% 52% 26% 18% 17% 33% 0.29 0.27 1.56			
A26	Rectangle	15%	3	3		12.3	N/A	N/A		0% 64% 32% 15% 14% 41% 0.29 0.27 1.56			
A27	Rectangle	23%	3	3		12.3	N/A	N/A		0% 58% 29% 16% 15% 37% 0.29 0.27 1.56			
A31	Rectangle	31%	3	3		12.3	N/A	N/A		0% 52% 26% 18% 17% 33% 0.29 0.27 1.56			
A32	Rectangle	20%	3	3		12.3	N/A	N/A		0% 60% 30% 16% 15% 38% 0.29 0.27 1.56			
A33	Rectangle	10%	3	3		12.3	N/A	N/A		0% 67% 34% 14% 13% 43% 0.29 0.27 1.56			
A34	Rectangle	5%	3	3		12.3	N/A	N/A		0% 71% 36% 13% 12% 46% 0.29 0.27 1.56			
A41	Rectangle	7%	3	3		12.3	N/A	N/A		0% 20% 10% 25% 25% 13% 0.29 0.27 1.56			
A42	Rectangle	7%	3	3		12.3	N/A	N/A		0% 40% 20% 20% 20% 25% 0.29 0.27 1.56			
A43	Rectangle	1%	3	3		12.3	N/A	N/A		0% 64% 33% 15% 14% 41% 0.29 0.27 1.56			
A44	Rectangle	1%	3	3		12.3	N/A	N/A		0% 67% 34% 14% 13% 43% 0.29 0.27 1.56			
A45	Rectangle	4%	3	3		12.3	N/A	N/A		0% 43% 22% 20% 19% 27% 0.29 0.27 1.56			
A46	Rectangle	6%	3	3		12.3	N/A	N/A		0% 30% 15% 23% 22% 19% 0.29 0.27 1.56			
A51	Rectangle	5%	3	3		12.3	N/A	N/A		0% 32% 16% 22% 22% 20% 0.29 0.27 1.56			
A52	Rectangle	2%	3	3		12.3	N/A	N/A		0% 55% 28% 17% 16% 35% 0.29 0.27 1.56			
A53	Rectangle	2%	3	3		12.3	N/A	N/A		0% 59% 30% 16% 15% 38% 0.29 0.27 1.56			
A54	Rectangle	8%	3	3		12.3	N/A	N/A		0% 10% 5% 28% 27% 6% 0.29 0.27 1.56			
A55	Rectangle	6%	3	3		12.3	N/A	N/A		0% 23% 12% 24% 24% 15% 0.29 0.27 1.56			
A56	Rectangle	6%	3	3		12.3	N/A	N/A		0% 29% 15% 23% 23% 19% 0.29 0.27 1.56			
A11	Rectangle	4%	3	3		12.3	N/A	N/A		0% 41% 21% 20% 20% 26% 0.29 0.27 1.56			
A12	Rectangle	2%	3	3		12.3	N/A	N/A		0% 58% 29% 16% 15% 37% 0.29 0.27 1.56			
A13	Rectangle	2%	3	3		12.3	N/A	N/A		0% 58% 29% 16% 15% 37% 0.29 0.27 1.56			
A14	Rectangle	2%	3	3		12.3	N/A	N/A		0% 58% 29% 16% 15% 37% 0.29 0.27 1.56			
A15	Rectangle	1%	3	3		12.3	N/A	N/A		0% 66% 34% 14% 13% 42% 0.29 0.27 1.56			
A16	Rectangle	3%	3	3		12.3	N/A	N/A		0% 49% 25% 18% 18% 31% 0.29 0.27 1.56			
A121	Rectangle	3%	3	3		12.3	N/A	N/A		0% 48% 24% 18% 18% 31% 0.29 0.27 1.56			
A122	Rectangle	15%	3	3		12.3	N/A	N/A		0% 64% 32% 15% 14% 41% 0.29 0.27 1.56			
A123	Rectangle	20%	3	3		12.3	N/A	N/A		0% 60% 30% 16% 15% 38% 0.29 0.27 1.56			
A124	Rectangle	3%	3	3		12.3	N/A	N/A		0% 48% 24% 18% 18% 31% 0.29 0.27 1.56			
A125	Rectangle	25%	3	3		12.3	N/A	N/A		0% 56% 28% 17% 16% 36% 0.29 0.27 1.56			
A126	Rectangle	19%	3	3		12.3	N/A	N/A		0% 62% 31% 15% 14% 39% 0.29 0.27 1.56			
A127	Rectangle	19%	3	3		12.3	N/A	N/A		0% 62% 31% 15% 14% 39% 0.29 0.27 1.56			
A128	Rectangle	8%	3	3		12.3	N/A	N/A		0% 69% 35% 13% 12% 44% 0.29 0.27 1.56			
	B1 Rectangle	Half 587%	3	3		12.3	N/A	N/A		0% 9% 5% 28% 28% 6% 0.29 0.27 1.56			
	B2 Rectangle	Half 558%	3	3		12.3	N/A	N/A		0% 31% 16% 22% 22% 20% 0.29 0.27 1.56			
	B3 Rectangle	Half 558%	3	3		12.3	N/A	N/A		0% 31% 16% 22% 22% 20% 0.29 0.27 1.56			
B4	Rectangle	Half 529%	3	3		12.3	N/A	N/A		0% 53% 27% 17% 17% 34% 0.29 0.27 1.56			
	B5 Rectangle	Half 529%	3	3		12.3	N/A	N/A		0% 53% 27% 17% 17% 34% 0.29 0.27 1.56			
B6	Rectangle	Half 515%	3	3		12.3	N/A	N/A		0% 64% 32% 15% 14% 41% 0.29 0.27 1.56			
B7	Rectangle	Half 529%	3	3		12.3	N/A	N/A		0% 53% 27% 17% 17% 34% 0.29 0.27 1.56			
	B8 Rectangle	Half 544%	3	3		12.3	N/A	N/A		0% 42% 21% 20% 19% 27% 0.29 0.27 1.56			
B21	Rectangle	Half 573%	3	3		12.3	N/A	N/A		0% 20% 10% 25% 25% 13% 0.29 0.27 1.56			
B22	Rectangle	Half 544%	3	3		12.3	N/A	N/A		0% 42% 21% 20% 19% 27% 0.29 0.27 1.56			
B23	Rectangle	Half 515%	3	3		12.3	N/A	N/A		0% 64% 32% 15% 14% 41% 0.29 0.27 1.56			
B24	Rectangle	Half 558%	3	3		12.3	N/A	N/A		0% 31% 16% 22% 22% 20% 0.29 0.27 1.56			
B25	Rectangle	Half 529%	3	3		12.3	N/A	N/A		0% 53% 27% 17% 17% 34% 0.29 0.27 1.56			
B26	Rectangle	Half 544%	3	3		12.3	N/A	N/A		0% 42% 21% 20% 19% 27% 0.29 0.27 1.56			
B31	Rectangle	Half 539%	3	3		12.3	N/A	N/A		0% 46% 23% 19% 18% 29% 0.29 0.27 1.56			
B32	Rectangle	Half 519%	3	3		12.3	N/A	N/A		0% 60% 31% 15% 15% 39% 0.29 0.27 1.56			
B33	Rectangle	Half 539%	3	3		12.3	N/A	N/A		0% 46% 23% 19% 18% 29% 0.29 0.27 1.56			
B34	Rectangle	Half 519%	3	3		12.3	N/A	N/A		0% 60% 31% 15% 15% 39% 0.29 0.27 1.56			
B35	Rectangle	Half 510%	3	3		12.3	N/A	N/A		0% 68% 34% 14% 13% 43% 0.29 0.27 1.56			
B36	Rectangle	Half 532%	3	3		12.3	N/A	N/A		0% 51% 26% 18% 17% 33% 0.29 0.27 1.56			
	C1 Circle	60%	3	3		12.3	N/A	N/A		0% 30% 15% 23% 22% 19% 0.29 0.27 1.56			
C12	Circle	40%	3	3		12.3	N/A	N/A		0% 45% 23% 19% 19% 29% 0.29 0.27 1.56			
C13	Circle	20%	3	3		12.3	N/A	N/A		0% 60% 30% 16% 15% 38% 0.29 0.27 1.56			
C21	Circle	78%	3	3		12.3	N/A	N/A		0% 16% 8% 26% 26% 10% 0.29 0.27 1.56			
C22	Circle	79%	3	3		12.3	N/A	N/A		0% 16% 8% 26% 26% 10% 0.29 0.27 1.56			
C23	Circle	42%	3	3		12.3	N/A	N/A		0% 43% 22% 20% 19% 28% 0.29 0.27 1.56			
C24	Circle	38%	3	3		12.3	N/A	N/A		0% 46% 23% 19% 18% 30% 0.29 0.27 1.56			
C25	Circle	65%	3	3		12.3	N/A	N/A		0% 26% 13% 24% 23% 17% 0.29 0.27 1.56			
C31	Circle	70%	3	3		12.3	N/A	N/A		0% 22% 11% 25% 24% 14% 0.29 0.27 1.56			
C32	Circle	57%	3	3		12.3	N/A	N/A		0% 32% 16% 22% 22% 21% 0.29 0.27 1.56			
C33	Circle	35%	3	3		12.3	N/A	N/A		0% 49% 25% 18% 18% 31% 0.29 0.27 1.56			
C34	Circle	63%	3	3		12.3	N/A	N/A		0% 28% 14% 23% 23% 18% 0.29 0.27 1.56			
C35	Circle	40%	3	3		12.3	N/A	N/A		0% 45% 23% 19% 19% 29% 0.29 0.27 1.56			
C36	Circle	20%	3	3		12.3	N/A	N/A		0% 60% 30% 16% 15% 38% 0.29 0.27 1.56			
C41	Circle	52%	3	3		12.3	N/A	N/A		0% 36% 18% 21% 21% 23% 0.29 0.27 1.56			
C42	Circle	34%	3	3		12.3	N/A	N/A		0% 49% 25% 18% 18% 32% 0.29 0.27 1.56			
C43	Circle	44%	3	3		12.3	N/A	N/A		0% 42% 21% 20% 19% 27% 0.29 0.27 1.56			
C51	Circle	54%	3	3		12.3	N/A	N/A		0% 35% 18% 22% 21% 22% 0.29 0.27 1.56			
C52	Circle	44%	3	3		12.3	N/A	N/A		0% 42% 21% 20% 19% 27% 0.29 0.27 1.56			
C53	Circle	46%	3	3		12.3	N/A	N/A		0% 41% 21% 20% 20% 26% 0.29 0.27 1.56			
C54	Circle	49%	3	3		12.3	N/A	N/A		0% 38% 19% 21% 20% 25% 0.29 0.27 1.56			
C55	Circle	36%	3	3		12.3	N/A	N/A		0% 48% 24% 18% 18% 31% 0.29 0.27 1.56			
C14	Triangle	51%	3	3		12.3	N/A	N/A		0% 37% 19% 21% 21% 24% 0.29 0.27 1.56			
C15	Triangle	36%	3	3		12.3	N/A	N/A		0% 48% 24% 18% 18% 31% 0.29 0.27 1.56			
C16	Triangle	31%	3	3		12.3	N/A	N/A		0% 52% 26% 18% 17% 33% 0.29 0.27 1.56			
C61	Triangle	65%	3	3		12.3	N/A	N/A		0% 26% 13% 24% 23% 17% 0.29 0.27 1.56			
C62	Triangle	34%	3	3		12.3	N/A	N/A		0% 50% 26% 18% 17% 32% 0.29 0.27 1.56			
C63	Triangle	37%	3	3		12.3	N/A	N/A		0% 47% 24% 19% 18% 30% 0.29 0.27 1.56			
C64	Triangle	33%	3	3		12.3	N/A	N/A		0% 51% 26% 18% 17% 32% 0.29 0.27 1.56			
C65	Triangle	24%	3	3		12.3	N/A	N/A		0% 57% 29% 16% 15% 37% 0.29 0.27 1.56			
C66	Triangle	50%	3	3		12.3	N/A	N/A		0% 37% 19% 21% 21% 24% 0.29 0.27 1.56			
C71	Triangle												

Panel Layers			Layers						Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)Light to				
LowIron-LowIron-Spacer-LowELowIron									UV Visible Light Total Solar Reflectance								
Cell Coverage			Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	ExteriorInteriorTransmittanceCoefficientWinter Summer Gain								
Panel Type	Shape	Area	Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Nighttime	Daytime							
C74	Triangle	47%	3	3	12	3	N/A	N/A	0%	40%	20%	21%	20%	25%	0.29	0.27	1.56
C75	Triangle	37%	3	3	12	3	N/A	N/A	0%	47%	24%	19%	18%	30%	0.29	0.27	1.56
C76	Triangle	41%	3	3	12	3	N/A	N/A	0%	44%	22%	19%	19%	28%	0.29	0.27	1.56
C17	Hexagon	48%	3	3	12	3	N/A	N/A	0%	39%	20%	21%	20%	25%	0.29	0.27	1.56
C18	Hexagon	32%	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.29	0.27	1.56
C19	Hexagon	16%	3	3	12	3	N/A	N/A	0%	63%	32%	15%	14%	40%	0.29	0.27	1.56
C81	Hexagon	68%	3	3	12	3	N/A	N/A	0%	24%	12%	24%	24%	15%	0.29	0.27	1.56
C82	Hexagon	36%	3	3	12	3	N/A	N/A	0%	48%	24%	19%	18%	31%	0.29	0.27	1.56
C83	Hexagon	36%	3	3	12	3	N/A	N/A	0%	48%	24%	19%	18%	31%	0.29	0.27	1.56
C84	Hexagon	52%	3	3	12	3	N/A	N/A	0%	36%	18%	21%	21%	23%	0.29	0.27	1.56
C85	Hexagon	22%	3	3	12	3	N/A	N/A	0%	59%	30%	16%	15%	38%	0.29	0.27	1.56
C91	Hexagon	69%	3	3	12	3	N/A	N/A	0%	23%	12%	24%	24%	15%	0.29	0.27	1.56
C92	Hexagon	53%	3	3	12	3	N/A	N/A	0%	35%	18%	22%	21%	22%	0.29	0.27	1.56
C93	Hexagon	37%	3	3	12	3	N/A	N/A	0%	47%	24%	19%	18%	30%	0.29	0.27	1.56
C94	Hexagon	10%	3	3	12	3	N/A	N/A	0%	68%	34%	14%	13%	43%	0.29	0.27	1.56
C95	Hexagon	32%	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.29	0.27	1.56
C96	Hexagon	47%	3	3	12	3	N/A	N/A	0%	40%	20%	21%	20%	25%	0.29	0.27	1.56
C101	Parallelogram	63%	3	3	12	3	N/A	N/A	0%	28%	14%	23%	23%	18%	0.29	0.27	1.56
C102	Parallelogram	30%	3	3	12	3	N/A	N/A	0%	63%	27%	17%	17%	34%	0.29	0.27	1.56
C103	Parallelogram	37%	3	3	12	3	N/A	N/A	0%	48%	24%	19%	18%	30%	0.29	0.27	1.56
C104	Parallelogram	32%	3	3	12	3	N/A	N/A	0%	51%	26%	18%	17%	33%	0.29	0.27	1.56
C105	Parallelogram	23%	3	3	12	3	N/A	N/A	0%	58%	29%	16%	15%	37%	0.29	0.27	1.56
C106	Parallelogram	50%	3	3	12	3	N/A	N/A	0%	38%	19%	21%	20%	24%	0.29	0.27	1.56
C111	Parallelogram	53%	3	3	12	3	N/A	N/A	0%	35%	18%	22%	21%	22%	0.29	0.27	1.56
C112	Parallelogram	49%	3	3	12	3	N/A	N/A	0%	45%	23%	19%	19%	29%	0.29	0.27	1.56
C113	Parallelogram	43%	3	3	12	3	N/A	N/A	0%	43%	22%	20%	19%	27%	0.29	0.27	1.56
C114	Parallelogram	22%	3	3	12	3	N/A	N/A	0%	55%	28%	17%	16%	35%	0.29	0.27	1.56
C115	Parallelogram	40%	3	3	12	3	N/A	N/A	0%	45%	23%	19%	19%	29%	0.29	0.27	1.56
C116	Parallelogram	27%	3	3	12	3	N/A	N/A	0%	55%	28%	17%	16%	35%	0.29	0.27	1.56
			3	3													

Panel Layers			Layers					Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft²F) Light to			
LowIron-LowIron-Spacer-LowELowIron															
Panel Type	Shape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer	Glass L3 Thickness	Glass L4 Thickness	UV Visible Light Total Solar Reflectance	Transmittance	Transmittance	Transmittance	Winter	Summer	Interior	Gain
Area	Shape							Nighttime	Daytime						
Non-Active	Any	0%	4	4		12.4	N/A	0%	75%	38%	12%	11%	48%	0.28	0.26
	A1 Rectangle	92%	4	4		12.4	N/A	0%	6%	3%	29%	28%	4%	0.28	0.26
A2	Rectangle	61%	4	4		12.4	N/A	0%	29%	15%	23%	23%	19%	0.28	0.26
A3	Rectangle	61%	4	4		12.4	N/A	0%	29%	15%	23%	23%	19%	0.28	0.26
A4	Rectangle	31%	4	4		12.4	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26
A5	Rectangle	31%	4	4		12.4	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26
A6	Rectangle	15%	4	4		12.4	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26
A7	Rectangle	31%	4	4		12.4	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26
	A8 Rectangle	46%	4	4		12.4	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26
A21	Rectangle	76%	4	4		12.4	N/A	0%	18%	9%	26%	26%	11%	0.28	0.26
A22	Rectangle	38%	4	4		12.4	N/A	0%	46%	23%	19%	18%	30%	0.28	0.26
A23	Rectangle	15%	4	4		12.4	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26
A24	Rectangle	46%	4	4		12.4	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26
A25	Rectangle	31%	4	4		12.4	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26
A26	Rectangle	15%	4	4		12.4	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26
A27	Rectangle	23%	4	4		12.4	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26
A31	Rectangle	31%	4	4		12.4	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26
A32	Rectangle	20%	4	4		12.4	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26
A33	Rectangle	10%	4	4		12.4	N/A	0%	67%	34%	14%	13%	43%	0.28	0.26
A34	Rectangle	5%	4	4		12.4	N/A	0%	71%	36%	13%	12%	46%	0.28	0.26
A41	Rectangle	74%	4	4		12.4	N/A	0%	20%	10%	25%	25%	13%	0.28	0.26
A42	Rectangle	47%	4	4		12.4	N/A	0%	40%	20%	20%	20%	25%	0.28	0.26
A43	Rectangle	14%	4	4		12.4	N/A	0%	64%	33%	15%	14%	41%	0.28	0.26
A44	Rectangle	10%	4	4		12.4	N/A	0%	67%	34%	14%	13%	43%	0.28	0.26
A45	Rectangle	43%	4	4		12.4	N/A	0%	43%	22%	20%	19%	27%	0.28	0.26
A46	Rectangle	66%	4	4		12.4	N/A	0%	30%	15%	23%	22%	19%	0.28	0.26
A51	Rectangle	57%	4	4		12.4	N/A	0%	32%	16%	22%	22%	20%	0.28	0.26
A52	Rectangle	29%	4	4		12.4	N/A	0%	55%	28%	17%	16%	35%	0.28	0.26
A53	Rectangle	24%	4	4		12.4	N/A	0%	59%	30%	16%	15%	38%	0.28	0.26
A54	Rectangle	87%	4	4		12.4	N/A	0%	10%	5%	28%	27%	6%	0.28	0.26
A55	Rectangle	64%	4	4		12.4	N/A	0%	23%	12%	24%	24%	15%	0.28	0.26
A56	Rectangle	64%	4	4		12.4	N/A	0%	29%	15%	23%	23%	19%	0.28	0.26
A11	Rectangle	44%	4	4		12.4	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26
A12	Rectangle	24%	4	4		12.4	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26
A13	Rectangle	24%	4	4		12.4	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26
A14	Rectangle	22%	4	4		12.4	N/A	0%	66%	34%	14%	13%	42%	0.28	0.26
A15	Rectangle	11%	4	4		12.4	N/A	0%	69%	35%	13%	12%	44%	0.28	0.26
A16	Rectangle	34%	4	4		12.4	N/A	0%	49%	25%	18%	18%	31%	0.28	0.26
A17	Rectangle	36%	4	4		12.4	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26
A18	Rectangle	15%	4	4		12.4	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26
A19	Rectangle	20%	4	4		12.4	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26
A20	Rectangle	36%	4	4		12.4	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26
A21	Rectangle	25%	4	4		12.4	N/A	0%	56%	28%	17%	16%	36%	0.28	0.26
A22	Rectangle	18%	4	4		12.4	N/A	0%	62%	31%	15%	14%	39%	0.28	0.26
A23	Rectangle	19%	4	4		12.4	N/A	0%	62%	31%	15%	14%	39%	0.28	0.26
A24	Rectangle	8%	4	4		12.4	N/A	0%	69%	35%	13%	12%	44%	0.28	0.26
	B1 Rectangle-Half	587%	4	4		12.4	N/A	0%	9%	5%	28%	28%	6%	0.28	0.26
	B2 Rectangle-Half	558%	4	4		12.4	N/A	0%	31%	16%	22%	22%	20%	0.28	0.26
	B3 Rectangle-Half	558%	4	4		12.4	N/A	0%	31%	16%	22%	22%	20%	0.28	0.26
B4	Rectangle-Half	529%	4	4		12.4	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26
	B5 Rectangle-Half	529%	4	4		12.4	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26
B6	Rectangle-Half	515%	4	4		12.4	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26
B7	Rectangle-Half	529%	4	4		12.4	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26
	B8 Rectangle-Half	544%	4	4		12.4	N/A	0%	20%	10%	25%	25%	13%	0.28	0.26
B21	Rectangle-Half	573%	4	4		12.4	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26
B22	Rectangle-Half	544%	4	4		12.4	N/A	0%	64%	32%	15%	14%	41%	0.28	0.26
B23	Rectangle-Half	515%	4	4		12.4	N/A	0%	31%	16%	22%	22%	20%	0.28	0.26
B24	Rectangle-Half	558%	4	4		12.4	N/A	0%	53%	27%	17%	17%	34%	0.28	0.26
B25	Rectangle-Half	529%	4	4		12.4	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26
B26	Rectangle-Half	544%	4	4		12.4	N/A	0%	46%	23%	19%	18%	29%	0.28	0.26
B31	Rectangle-Half	539%	4	4		12.4	N/A	0%	60%	31%	15%	15%	39%	0.28	0.26
B32	Rectangle-Half	519%	4	4		12.4	N/A	0%	46%	23%	19%	18%	29%	0.28	0.26
B33	Rectangle-Half	539%	4	4		12.4	N/A	0%	60%	31%	15%	15%	39%	0.28	0.26
B34	Rectangle-Half	519%	4	4		12.4	N/A	0%	68%	34%	14%	13%	43%	0.28	0.26
B35	Rectangle-Half	510%	4	4		12.4	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26
B36	Rectangle-Half	532%	4	4		12.4	N/A	0%	30%	15%	23%	22%	19%	0.28	0.26
	C1 Circle	60%	4	4		12.4	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26
C12	Circle	40%	4	4		12.4	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26
C13	Circle	20%	4	4		12.4	N/A	0%	16%	8%	26%	26%	10%	0.28	0.26
C21	Circle	78%	4	4		12.4	N/A	0%	16%	8%	26%	26%	10%	0.28	0.26
C22	Circle	79%	4	4		12.4	N/A	0%	43%	22%	20%	19%	28%	0.28	0.26
C23	Circle	42%	4	4		12.4	N/A	0%	46%	23%	19%	18%	30%	0.28	0.26
C24	Circle	38%	4	4		12.4	N/A	0%	26%	13%	24%	23%	17%	0.28	0.26
C25	Circle	65%	4	4		12.4	N/A	0%	22%	11%	25%	24%	14%	0.28	0.26
C31	Circle	70%	4	4		12.4	N/A	0%	32%	16%	22%	22%	21%	0.28	0.26
C32	Circle	57%	4	4		12.4	N/A	0%	49%	25%	18%	18%	31%	0.28	0.26
C33	Circle	35%	4	4		12.4	N/A	0%	28%	14%	23%	23%	18%	0.28	0.26
C34	Circle	63%	4	4		12.4	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26
C35	Circle	40%	4	4		12.4	N/A	0%	60%	30%	16%	15%	38%	0.28	0.26
C36	Circle	20%	4	4		12.4	N/A	0%	16%	8%	26%	26%	10%	0.28	0.26
C41	Circle	52%	4	4		12.4	N/A	0%	36%	18%	21%	21%	23%	0.28	0.26
C42	Circle	34%	4	4		12.4	N/A	0%	49%	25%	18%	18%	31%	0.28	0.26
C43	Circle	44%	4	4		12.4	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26
C51	Circle	54%	4	4		12.4	N/A	0%	35%	18%	22%	21%	22%	0.28	0.26
C52	Circle	44%	4	4		12.4	N/A	0%	42%	21%	20%	19%	27%	0.28	0.26
C53	Circle	46%	4	4		12.4	N/A	0%	41%	21%	20%	20%	26%	0.28	0.26
C54	Circle	49%	4	4		12.4	N/A	0%	38%	19%	21%	20%	25%	0.28	0.26
C55	Circle	36%	4	4		12.4	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26
C14	Triangle	51%	4	4		12.4	N/A	0%	37%	19%	21%	21%	24%	0.28	0.26
C15	Triangle	36%	4	4		12.4	N/A	0%	48%	24%	18%	18%	31%	0.28	0.26
C16	Triangle	31%	4	4		12.4	N/A	0%	52%	26%	18%	17%	33%	0.28	0.26
C61	Triangle	65%	4	4		12.4	N/A	0%	26%	13%	24%	23%	17%	0.28	0.26
C62	Triangle	34%	4	4		12.4	N/A	0%	50%	25%	18%	17%	32%	0.28	0.26
C63	Triangle	37%	4	4		12.4	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26
C64	Triangle	33%	4	4		12.4	N/A	0%	51%	26%	18%	17%	32%	0.28	0.26
C65	Triangle	24%	4	4		12.4	N/A	0%	57%	29%	16%	15%	37%	0.28	0.26
C66	Triangle	50%	4	4		12.4	N/A	0%	37%	19%	21%	21%	24%	0.28	0.26
C71	Triangle	52%	4	4		12.4	N/A	0%	36%	18%	21%	21%	23%	0.28	0.26
C72	Triangle	28%	4	4		12.4	N/A	0%	54%	27%	17%	16%	35%	0.28	0.26
C73	Triangle	37%	4	4		12.4	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26

Panel Layers			Layers								Visible				Solar Heat U-Value (BTU/hrft2F)				Light to					
LowIron-LowIron-Spacer-LowELowIron											UV Visible Light Total Solar Reflectance													
			Cell Coverage		Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	Gain Solar													
Panel Type	Shape	Area		Th	ickn	es s	Th	ickn	es s	Size	Thickness	Size	Thickness	Transmittance										
														Exterior	Interior	Coefficient	Winter	Summer	Gain	Daytime	Nighttime	Daytime	Nighttime	
C74	Triangle	47%		4			4			12	4	N/A	N/A	0%	40%	20%	21%	20%	25%	0.28	0.26	1.56		
C75	Triangle	37%		4			4			12	4	N/A	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26	1.56		
C76	Triangle	41%		4			4			12	4	N/A	N/A	0%	44%	22%	19%	19%	28%	0.28	0.26	1.56		
C17	Hexagon	48%		4			4			12	4	N/A	N/A	0%	39%	20%	21%	20%	25%	0.28	0.26	1.56		
C18	Hexagon	32%		4			4			12	4	N/A	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26	1.56		
C19	Hexagon	16%		4			4			12	4	N/A	N/A	0%	63%	32%	15%	14%	40%	0.28	0.26	1.56		
C81	Hexagon	68%		4			4			12	4	N/A	N/A	0%	24%	12%	24%	24%	15%	0.28	0.26	1.56		
C82	Hexagon	36%		4			4			12	4	N/A	N/A	0%	48%	24%	19%	18%	31%	0.28	0.26	1.56		
C83	Hexagon	36%		4			4			12	4	N/A	N/A	0%	48%	24%	19%	18%	31%	0.28	0.26	1.56		
C84	Hexagon	52%		4			4			12	4	N/A	N/A	0%	36%	18%	21%	21%	23%	0.28	0.26	1.56		
C85	Hexagon	22%		4			4			12	4	N/A	N/A	0%	59%	30%	16%	15%	38%	0.28	0.26	1.56		
C91	Hexagon	69%		4			4			12	4	N/A	N/A	0%	23%	12%	24%	24%	15%	0.28	0.26	1.56		
C92	Hexagon	53%		4			4			12	4	N/A	N/A	0%	35%	18%	22%	21%	22%	0.28	0.26	1.56		
C93	Hexagon	37%		4			4			12	4	N/A	N/A	0%	47%	24%	19%	18%	30%	0.28	0.26	1.56		
C94	Hexagon	10%		4			4			12	4	N/A	N/A	0%	68%	34%	14%	13%	43%	0.28	0.26	1.56		
C95	Hexagon	32%		4			4			12	4	N/A	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26	1.56		
C96	Hexagon	47%		4			4			12	4	N/A	N/A	0%	40%	20%	21%	20%	25%	0.28	0.26	1.56		
C101	Parallelogram	63%		4			4			12	4	N/A	N/A	0%	28%	14%	23%	23%	18%	0.28	0.26	1.56		
C102	Parallelogram	30%		4			4			12	4	N/A	N/A	0%	63%	27%	17%	17%	34%	0.28	0.26	1.56		
C103	Parallelogram	37%		4			4			12	4	N/A	N/A	0%	48%	24%	19%	18%	30%	0.28	0.26	1.56		
C104	Parallelogram	32%		4			4			12	4	N/A	N/A	0%	51%	26%	18%	17%	33%	0.28	0.26	1.56		
C105	Parallelogram	23%		4			4			12	4	N/A	N/A	0%	58%	29%	16%	15%	37%	0.28	0.26	1.56		
C106	Parallelogram	50%		4			4			12	4	N/A	N/A	0%	38%	19%	21%	20%	24%	0.28	0.26	1.56		
C111	Parallelogram	53%		4			4			12	4	N/A	N/A	0%	35%	18%	22%	21%	22%	0.28	0.26	1.56		
C112	Parallelogram	49%		4			4			12	4	N/A	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26	1.56		
C113	Parallelogram	43%		4			4			12	4	N/A	N/A	0%	43%	22%	20%	19%	27%	0.28	0.26	1.56		
C114	Parallelogram	22%		4			4			12	4	N/A	N/A	0%	55%	28%	17%	16%	35%	0.28	0.26	1.56		
C115	Parallelogram	40%		4			4			12	4	N/A	N/A	0%	45%	23%	19%	19%	29%	0.28	0.26	1.56		
C116	Parallelogram	27%		4			4			12	4	N/A	N/A	0%	55%	28%	17%	16%	35%	0.28	0.26	1.56		

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)Light to			
LowIron-LowIron-Spacer-LowELowIron													
Panel Type	Shape	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	UV Visible Light Total Solar Reflectance	Transmittance	Winter Summer	Interior Gain			
Area			Th ickn es s	Th ickn es s	Size Thickness	Size Thickness	Nighttime Daytime						
Non-Active	Any	0%	6	6	12	6	0% 74% 38% 12% 11% 48%	0.24	0.22	1.54			
	A1 Rectangle	92%	6	6	12	6	0% 6% 3% 29% 28% 4%	0.24	0.22	1.54			
A2	Rectangle	61%	6	6	12	6	0% 29% 15% 23% 23% 19%	0.24	0.22	1.54			
A3	Rectangle	61%	6	6	12	6	0% 29% 15% 23% 23% 19%	0.24	0.22	1.54			
A4	Rectangle	31%	6	6	12	6	0% 51% 26% 18% 17% 33%	0.24	0.22	1.54			
A5	Rectangle	31%	6	6	12	6	0% 51% 26% 18% 17% 33%	0.24	0.22	1.54			
A6	Rectangle	15%	6	6	12	6	0% 63% 32% 15% 14% 41%	0.24	0.22	1.54			
A7	Rectangle	31%	6	6	12	6	0% 51% 26% 18% 17% 33%	0.24	0.22	1.54			
	A8 Rectangle	46%	6	6	12	6	0% 40% 21% 20% 20% 26%	0.24	0.22	1.54			
A21	Rectangle	76%	6	6	12	6	0% 17% 9% 26% 26% 11%	0.24	0.22	1.54			
A22	Rectangle	38%	6	6	12	6	0% 46% 23% 19% 18% 30%	0.24	0.22	1.54			
A23	Rectangle	15%	6	6	12	6	0% 63% 32% 15% 14% 41%	0.24	0.22	1.54			
A24	Rectangle	46%	6	6	12	6	0% 40% 21% 20% 20% 26%	0.24	0.22	1.54			
A25	Rectangle	31%	6	6	12	6	0% 51% 26% 18% 17% 33%	0.24	0.22	1.54			
A26	Rectangle	15%	6	6	12	6	0% 63% 32% 15% 14% 41%	0.24	0.22	1.54			
A27	Rectangle	23%	6	6	12	6	0% 57% 29% 16% 15% 37%	0.24	0.22	1.54			
A31	Rectangle	31%	6	6	12	6	0% 51% 26% 18% 17% 33%	0.24	0.22	1.54			
A32	Rectangle	20%	6	6	12	6	0% 59% 30% 16% 15% 38%	0.24	0.22	1.54			
A33	Rectangle	10%	6	6	12	6	0% 66% 34% 14% 13% 43%	0.24	0.22	1.54			
A34	Rectangle	5%	6	6	12	6	0% 70% 36% 13% 12% 46%	0.24	0.22	1.54			
A41	Rectangle	74%	6	6	12	6	0% 19% 10% 25% 25% 13%	0.24	0.22	1.54			
A42	Rectangle	47%	6	6	12	6	0% 39% 20% 20% 20% 25%	0.24	0.22	1.54			
A43	Rectangle	14%	6	6	12	6	0% 64% 33% 15% 14% 41%	0.24	0.22	1.54			
A44	Rectangle	10%	6	6	12	6	0% 66% 34% 14% 13% 43%	0.24	0.22	1.54			
A45	Rectangle	43%	6	6	12	6	0% 42% 22% 20% 19% 27%	0.24	0.22	1.54			
A46	Rectangle	66%	6	6	12	6	0% 30% 15% 23% 22% 19%	0.24	0.22	1.54			
A51	Rectangle	57%	6	6	12	6	0% 32% 16% 22% 22% 20%	0.24	0.22	1.54			
A52	Rectangle	29%	6	6	12	6	0% 54% 28% 17% 16% 35%	0.24	0.22	1.54			
A53	Rectangle	24%	6	6	12	6	0% 58% 30% 16% 15% 38%	0.24	0.22	1.54			
A54	Rectangle	87%	6	6	12	6	0% 10% 5% 28% 27% 6%	0.24	0.22	1.54			
A55	Rectangle	64%	6	6	12	6	0% 23% 12% 24% 24% 15%	0.24	0.22	1.54			
A56	Rectangle	64%	6	6	12	6	0% 29% 15% 23% 23% 19%	0.24	0.22	1.54			
A11	Rectangle	46%	6	6	12	6	0% 40% 21% 20% 20% 26%	0.24	0.22	1.54			
A12	Rectangle	24%	6	6	12	6	0% 57% 29% 16% 15% 37%	0.24	0.22	1.54			
A13	Rectangle	23%	6	6	12	6	0% 57% 29% 16% 15% 37%	0.24	0.22	1.54			
A14	Rectangle	23%	6	6	12	6	0% 57% 29% 16% 15% 37%	0.24	0.22	1.54			
A15	Rectangle	11%	6	6	12	6	0% 66% 34% 14% 13% 42%	0.24	0.22	1.54			
A16	Rectangle	34%	6	6	12	6	0% 49% 25% 18% 18% 31%	0.24	0.22	1.54			
A121	Rectangle	36%	6	6	12	6	0% 48% 24% 18% 18% 31%	0.24	0.22	1.54			
A122	Rectangle	15%	6	6	12	6	0% 63% 32% 15% 14% 41%	0.24	0.22	1.54			
A123	Rectangle	20%	6	6	12	6	0% 59% 30% 16% 15% 38%	0.24	0.22	1.54			
A124	Rectangle	36%	6	6	12	6	0% 48% 24% 18% 18% 31%	0.24	0.22	1.54			
A125	Rectangle	25%	6	6	12	6	0% 55% 28% 17% 16% 36%	0.24	0.22	1.54			
A126	Rectangle	18%	6	6	12	6	0% 61% 31% 15% 14% 39%	0.24	0.22	1.54			
A127	Rectangle	18%	6	6	12	6	0% 61% 31% 15% 14% 39%	0.24	0.22	1.54			
A128	Rectangle	8%	6	6	12	6	0% 68% 35% 13% 12% 44%	0.24	0.22	1.54			
	B1Rectangle-Half	587%	6	6	12	6	0% 9% 5% 28% 28% 6%	0.24	0.22	1.54			
	B2Rectangle-Half	558%	6	6	12	6	0% 31% 16% 22% 22% 20%	0.24	0.22	1.54			
	B3Rectangle-Half	558%	6	6	12	6	0% 31% 16% 22% 22% 20%	0.24	0.22	1.54			
B4	Rectangle-Half	529%	6	6	12	6	0% 52% 27% 17% 17% 34%	0.24	0.22	1.54			
	B5Rectangle-Half	529%	6	6	12	6	0% 52% 27% 17% 17% 34%	0.24	0.22	1.54			
B6	Rectangle-Half	515%	6	6	12	6	0% 52% 27% 17% 17% 34%	0.24	0.22	1.54			
B7	Rectangle-Half	529%	6	6	12	6	0% 42% 21% 20% 19% 27%	0.24	0.22	1.54			
	B8Rectangle-Half	544%	6	6	12	6	0% 20% 10% 25% 25% 13%	0.24	0.22	1.54			
B21	Rectangle-Half	573%	6	6	12	6	0% 42% 21% 20% 19% 27%	0.24	0.22	1.54			
B22	Rectangle-Half	544%	6	6	12	6	0% 63% 32% 15% 14% 41%	0.24	0.22	1.54			
B23	Rectangle-Half	515%	6	6	12	6	0% 31% 16% 22% 22% 20%	0.24	0.22	1.54			
B24	Rectangle-Half	558%	6	6	12	6	0% 52% 27% 17% 17% 34%	0.24	0.22	1.54			
B25	Rectangle-Half	529%	6	6	12	6	0% 52% 27% 17% 17% 34%	0.24	0.22	1.54			
B26	Rectangle-Half	544%	6	6	12	6	0% 42% 21% 20% 19% 27%	0.24	0.22	1.54			
B31	Rectangle-Half	539%	6	6	12	6	0% 45% 23% 19% 18% 29%	0.24	0.22	1.54			
B32	Rectangle-Half	519%	6	6	12	6	0% 60% 31% 15% 15% 39%	0.24	0.22	1.54			
B33	Rectangle-Half	539%	6	6	12	6	0% 45% 23% 19% 18% 29%	0.24	0.22	1.54			
B34	Rectangle-Half	519%	6	6	12	6	0% 60% 31% 15% 15% 39%	0.24	0.22	1.54			
B35	Rectangle-Half	510%	6	6	12	6	0% 67% 34% 14% 13% 43%	0.24	0.22	1.54			
B36	Rectangle-Half	532%	6	6	12	6	0% 51% 26% 18% 17% 33%	0.24	0.22	1.54			
	C1 Circle	60%	6	6	12	6	0% 30% 15% 23% 22% 19%	0.24	0.22	1.54			
C12	Circle	40%	6	6	12	6	0% 44% 23% 19% 19% 29%	0.24	0.22	1.54			
C13	Circle	20%	6	6	12	6	0% 59% 30% 16% 15% 38%	0.24	0.22	1.54			
C21	Circle	78%	6	6	12	6	0% 16% 8% 26% 26% 10%	0.24	0.22	1.54			
C22	Circle	79%	6	6	12	6	0% 15% 8% 26% 26% 10%	0.24	0.22	1.54			
C23	Circle	42%	6	6	12	6	0% 43% 22% 20% 19% 28%	0.24	0.22	1.54			
C24	Circle	38%	6	6	12	6	0% 46% 23% 19% 18% 30%	0.24	0.22	1.54			
C25	Circle	65%	6	6	12	6	0% 26% 13% 24% 23% 17%	0.24	0.22	1.54			
C31	Circle	70%	6	6	12	6	0% 22% 11% 25% 24% 14%	0.24	0.22	1.54			
C32	Circle	57%	6	6	12	6	0% 32% 16% 22% 22% 21%	0.24	0.22	1.54			
C33	Circle	35%	6	6	12	6	0% 48% 25% 18% 18% 31%	0.24	0.22	1.54			
C34	Circle	63%	6	6	12	6	0% 28% 14% 23% 23% 18%	0.24	0.22	1.54			
C35	Circle	40%	6	6	12	6	0% 44% 23% 19% 19% 29%	0.24	0.22	1.54			
C36	Circle	20%	6	6	12	6	0% 59% 30% 16% 15% 38%	0.24	0.22	1.54			
C41	Circle	52%	6	6	12	6	0% 35% 18% 21% 21% 23%	0.24	0.22	1.54			
C42	Circle	34%	6	6	12	6	0% 49% 25% 18% 18% 32%	0.24	0.22	1.54			
C43	Circle	44%	6	6	12	6	0% 41% 21% 20% 19% 27%	0.24	0.22	1.54			
C51	Circle	54%	6	6	12	6	0% 34% 18% 22% 21% 22%	0.24	0.22	1.54			
C52	Circle	44%	6	6	12	6	0% 41% 21% 20% 19% 27%	0.24	0.22	1.54			
C53	Circle	46%	6	6	12	6	0% 40% 21% 20% 20% 26%	0.24	0.22	1.54			
C54	Circle	49%	6	6	12	6	0% 38% 19% 21% 20% 25%	0.24	0.22	1.54			
C55	Circle	36%	6	6	12	6	0% 47% 24% 18% 18% 31%	0.24	0.22	1.54			
C14	Triangle	51%	6	6									
C15	Triangle	36%	6	6									
C16	Triangle	31%	6	6									
C61	Triangle	65%	6	6									
C62	Triangle	34%	6	6									
C63	Triangle	37%	6	6									
C64	Triangle	33%	6	6									
C65	Triangle	24%	6	6									
C66	Triangle	50%	6	6									
C71	Triangle	52%	6	6									
C72	Triangle	28%	6	6									
C73	Triangle	37%	6	6									

Panel Layers		Layers					Visible										Solar Heat U-Value (BTU/hrft ² F)		Light to
LowIron-LowIron-Spacer-LowE		Cell Coverage	Glass L1 Th ickn es s	Glass L2 Th ickn es s	Spacer	Glass L3 Size	Glass L4 Size Thickness	UV Nighttime	Visible Daytime	Light Total	Solar	Transmittance	Transmittance	Winter	Summer	Gain			
Panel Type	Shape Area																		
C74	Triangle 47%	6	6		12.6	N/A	N/A	0%	39%	20%	21%	20%	25%	0.24	0.22	1.54			
C75	Triangle 37%	6	6		12.6	N/A	N/A	0%	47%	24%	19%	18%	30%	0.24	0.22	1.54			
C76	Triangle 41%	6	6		12.6	N/A	N/A	0%	43%	22%	19%	19%	28%	0.24	0.22	1.54			
C17	Hexagon 48%	6	6		12.6	N/A	N/A	0%	38%	20%	21%	20%	25%	0.24	0.22	1.54			
C18	Hexagon 32%	6	6		12.6	N/A	N/A	0%	50%	26%	18%	17%	33%	0.24	0.22	1.54			
C19	Hexagon 16%	6	6		12.6	N/A	N/A	0%	62%	32%	15%	14%	60%	0.24	0.22	1.54			
C81	Hexagon 68%	6	6		12.6	N/A	N/A	0%	24%	12%	24%	24%	15%	0.24	0.22	1.54			
C82	Hexagon 36%	6	6		12.6	N/A	N/A	0%	47%	24%	19%	18%	31%	0.24	0.22	1.54			
C83	Hexagon 36%	6	6		12.6	N/A	N/A	0%	47%	24%	19%	18%	31%	0.24	0.22	1.54			
C84	Hexagon 52%	6	6		12.6	N/A	N/A	0%	35%	18%	21%	21%	23%	0.24	0.22	1.54			
C85	Hexagon 22%	6	6		12.6	N/A	N/A	0%	58%	30%	16%	15%	38%	0.24	0.22	1.54			
C91	Hexagon 69%	6	6		12.6	N/A	N/A	0%	23%	12%	24%	24%	15%	0.24	0.22	1.54			
C92	Hexagon 53%	6	6		12.6	N/A	N/A	0%	35%	18%	22%	21%	22%	0.24	0.22	1.54			
C93	Hexagon 37%	6	6		12.6	N/A	N/A	0%	46%	24%	19%	18%	30%	0.24	0.22	1.54			
C94	Hexagon 10%	6	6		12.6	N/A	N/A	0%	67%	34%	14%	13%	43%	0.24	0.22	1.54			
C95	Hexagon 32%	6	6		12.6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54			
C96	Hexagon 47%	6	6		12.6	N/A	N/A	0%	39%	20%	21%	20%	25%	0.24	0.22	1.54			
C101	Parallelogram 65%	6	6		12.6	N/A	N/A	0%	27%	14%	23%	23%	18%	0.24	0.22	1.54			
C102	Parallelogram 30%	6	6		12.6	N/A	N/A	0%	52%	27%	17%	17%	34%	0.24	0.22	1.54			
C103	Parallelogram 37%	6	6		12.6	N/A	N/A	0%	47%	24%	19%	18%	30%	0.24	0.22	1.54			
C104	Parallelogram 32%	6	6		12.6	N/A	N/A	0%	51%	26%	18%	17%	33%	0.24	0.22	1.54			
C105	Parallelogram 23%	6	6		12.6	N/A	N/A	0%	57%	29%	16%	15%	37%	0.24	0.22	1.54			
C106	Parallelogram 50%	6	6		12.6	N/A	N/A	0%	37%	19%	21%	20%	24%	0.24	0.22	1.54			
C111	Parallelogram 53%	6	6		12.6	N/A	N/A	0%	35%	18%	22%	21%	22%	0.24	0.22	1.54			
C112	Parallelogram 60%	6	6		12.6	N/A	N/A	0%	44%	23%	19%	19%	29%	0.24	0.22	1.54			
C113	Parallelogram 63%	6	6		12.6	N/A	N/A	0%	42%	22%	20%	19%	27%	0.24	0.22	1.54			
C114	Parallelogram 22%	6	6		12.6	N/A	N/A	0%	54%	28%	17%	16%	35%	0.24	0.22	1.54			
C115	Parallelogram 40%	6	6		12.6	N/A	N/A	0%	44%	23%	19%	19%	29%	0.24	0.22	1.54			
C116	Parallelogram 27%	6	6		12.6	N/A	N/A	0%	54%	28%	17%	16%	35%	0.24	0.22	1.54			

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-Clear-Spacer-Clear													
Panel Type/Shape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer	Glass L3 Thickness	Spacer	Glass L4 Thickness	Visible Light Transmittance Daytime	Visible Light Transmittance Nighttime	U-Value	U-Value	Light to	Light to
Non-ActiveAny Shape0%		3	3	123123				0% 75% 59% 21% 21% 68% 0.29 0.32 1.10					
A1 Rectangle 92%		3	3	123123				0% 6% 5% 29% 29% 6% 0.29 0.32 1.10					
A2 Rectangle 61%		3	3	123123				0% 29% 23% 27% 27% 26% 0.29 0.32 1.10					
A3 Rectangle 61%		3	3	123123				0% 29% 23% 27% 27% 26% 0.29 0.32 1.10					
A4 Rectangle 31%		3	3	123123				0% 52% 41% 24% 24% 47% 0.29 0.32 1.10					
A5 Rectangle 31%		3	3	123123				0% 52% 41% 24% 24% 47% 0.29 0.32 1.10					
A6 Rectangle 15%		3	3	123123				0% 64% 50% 22% 22% 58% 0.29 0.32 1.10					
A7 Rectangle 31%		3	3	123123				0% 52% 41% 24% 24% 47% 0.29 0.32 1.10					
A8 Rectangle 46%		3	3	123123				0% 41% 32% 25% 25% 37% 0.29 0.32 1.10					
A21 Rectangle 76%		3	3	123123				0% 18% 16% 28% 28% 16% 0.29 0.32 1.10					
A22 Rectangle 38%		3	3	123123				0% 46% 36% 24% 24% 42% 0.29 0.32 1.10					
A23 Rectangle 15%		3	3	123123				0% 64% 50% 22% 22% 58% 0.29 0.32 1.10					
A24 Rectangle 46%		3	3	123123				0% 41% 32% 25% 25% 37% 0.29 0.32 1.10					
A25 Rectangle 31%		3	3	123123				0% 52% 41% 24% 24% 47% 0.29 0.32 1.10					
A26 Rectangle 15%		3	3	123123				0% 64% 50% 22% 22% 58% 0.29 0.32 1.10					
A27 Rectangle 23%		3	3	123123				0% 58% 45% 23% 23% 52% 0.29 0.32 1.10					
A31 Rectangle 31%		3	3	123123				0% 52% 41% 24% 24% 47% 0.29 0.32 1.10					
A32 Rectangle 20%		3	3	123123				0% 60% 47% 23% 23% 54% 0.29 0.32 1.10					
A33 Rectangle 10%		3	3	123123				0% 67% 53% 22% 22% 61% 0.29 0.32 1.10					
A34 Rectangle 5%		3	3	123123				0% 71% 56% 21% 21% 65% 0.29 0.32 1.10					
A41 Rectangle 74%		3	3	123123				0% 20% 15% 28% 28% 18% 0.29 0.32 1.10					
A42 Rectangle 47%		3	3	123123				0% 40% 31% 25% 25% 36% 0.29 0.32 1.10					
A43 Rectangle 14%		3	3	123123				0% 64% 51% 22% 22% 58% 0.29 0.32 1.10					
A44 Rectangle 10%		3	3	123123				0% 67% 53% 22% 22% 61% 0.29 0.32 1.10					
A45 Rectangle 43%		3	3	123123				0% 43% 33% 25% 25% 39% 0.29 0.32 1.10					
A46 Rectangle 60%		3	3	123123				0% 30% 24% 26% 26% 27% 0.29 0.32 1.10					
A51 Rectangle 57%		3	3	123123				0% 32% 25% 26% 26% 29% 0.29 0.32 1.10					
A52 Rectangle 27%		3	3	123123				0% 55% 43% 23% 23% 50% 0.29 0.32 1.10					
A53 Rectangle 22%		3	3	123123				0% 59% 46% 23% 23% 53% 0.29 0.32 1.10					
A54 Rectangle 87%		3	3	123123				0% 10% 8% 29% 29% 9% 0.29 0.32 1.10					
A55 Rectangle 69%		3	3	123123				0% 23% 18% 27% 27% 23% 0.29 0.32 1.10					
A56 Rectangle 6%		3	3	123123				0% 29% 23% 27% 27% 26% 0.29 0.32 1.10					
A111 Rectangle 46%		3	3	123123				0% 41% 32% 25% 25% 37% 0.29 0.32 1.10					
A112 Rectangle 23%		3	3	123123				0% 58% 45% 23% 23% 52% 0.29 0.32 1.10					
A113 Rectangle 23%		3	3	123123				0% 58% 45% 23% 23% 52% 0.29 0.32 1.10					
A114 Rectangle 73%		3	3	123123				0% 58% 45% 23% 23% 52% 0.29 0.32 1.10					
A115 Rectangle 1%		3	3	123123				0% 66% 52% 22% 22% 60% 0.29 0.32 1.10					
A116 Rectangle 34%		3	3	123123				0% 48% 38% 24% 24% 44% 0.29 0.32 1.10					
A121 Rectangle 36%		3	3	123123				0% 48% 38% 24% 24% 44% 0.29 0.32 1.10					
A122 Rectangle 15%		3	3	123123				0% 64% 50% 22% 22% 58% 0.29 0.32 1.10					
A123 Rectangle 20%		3	3	123123				0% 60% 47% 23% 23% 54% 0.29 0.32 1.10					
A124 Rectangle 36%		3	3	123123				0% 48% 38% 24% 24% 44% 0.29 0.32 1.10					
A125 Rectangle 25%		3	3	123123				0% 56% 44% 23% 23% 51% 0.29 0.32 1.10					
A126 Rectangle 18%		3	3	123123				0% 62% 48% 23% 23% 56% 0.29 0.32 1.10					
A127 Rectangle 18%		3	3	123123				0% 62% 48% 23% 23% 56% 0.29 0.32 1.10					
A128 Rectangle 8%		3	3	123123				0% 69% 54% 22% 22% 63% 0.29 0.32 1.10					
B1 Rectangle-Half 587%		3	3	123123				0% 9% 7% 29% 29% 9% 0.29 0.32 1.10					
B2 Rectangle-Half 558%		3	3	123123				0% 31% 25% 26% 26% 28% 0.29 0.32 1.10					
B3 Rectangle-Half 558%		3	3	123123				0% 31% 25% 26% 26% 28% 0.29 0.32 1.10					
B4 Rectangle-Half 529%		3	3	123123				0% 53% 42% 24% 24% 48% 0.29 0.32 1.10					
B5 Rectangle-Half 529%		3	3	123123				0% 53% 42% 24% 24% 48% 0.29 0.32 1.10					
B6 Rectangle-Half 515%		3	3	123123				0% 64% 50% 22% 22% 58% 0.29 0.32 1.10					
B7 Rectangle-Half 529%		3	3	123123				0% 53% 42% 24% 24% 48% 0.29 0.32 1.10					
B8 Rectangle-Half 544%		3	3	123123				0% 42% 33% 25% 25% 38% 0.29 0.32 1.10					
B21 Rectangle-Half 573%		3	3	123123				0% 20% 16% 28% 28% 18% 0.29 0.32 1.10					
B22 Rectangle-Half 544%		3	3	123123				0% 42% 33% 25% 25% 38% 0.29 0.32 1.10					
B23 Rectangle-Half 515%		3	3	123123				0% 64% 50% 22% 22% 58% 0.29 0.32 1.10					
B24 Rectangle-Half 558%		3	3	123123				0% 31% 25% 26% 26% 28% 0.29 0.32 1.10					
B25 Rectangle-Half 529%		3	3	123123				0% 53% 42% 24% 24% 48% 0.29 0.32 1.10					
B26 Rectangle-Half 544%		3	3	123123				0% 42% 33% 25% 25% 38% 0.29 0.32 1.10					
B31 Rectangle-Half 539%		3	3	123123				0% 46% 36% 24% 24% 42% 0.29 0.32 1.10					
B32 Rectangle-Half 519%		3	3	123123				0% 60% 48% 23% 23% 55% 0.29 0.32 1.10					
B33 Rectangle-Half 539%		3	3	123123				0% 46% 36% 24% 24% 42% 0.29 0.32 1.10					
B34 Rectangle-Half 519%		3	3	123123				0% 60% 48% 23% 23% 55% 0.29 0.32 1.10					
B35 Rectangle-Half 510%		3	3	123123				0% 68% 53% 22% 22% 61% 0.29 0.32 1.10					
B36 Rectangle-Half 532%		3	3	123123				0% 51% 40% 24% 24% 47% 0.29 0.32 1.10					
C11 Circle 80%		3	3	123123				0% 30% 24% 26% 26% 27% 0.29 0.32 1.10					
C12 Circle 40%		3	3	123123				0% 45% 35% 25% 25% 41% 0.29 0.32 1.10					
C13 Circle 26%		3	3	123123				0% 60% 47% 23% 23% 54% 0.29 0.32 1.10					
C21 Circle 78%		3	3	123123				0% 16% 13% 28% 28% 15% 0.29 0.32 1.10					
C22 Circle 79%		3	3	123123				0% 16% 12% 28% 28% 14% 0.29 0.32 1.10					
C23 Circle 42%		3	3	123123				0% 43% 34% 25% 25% 39% 0.29 0.32 1.10					
C24 Circle 38%		3	3	123123				0% 46% 36% 24% 24% 42% 0.29 0.32 1.10					
C25 Circle 65%		3	3	123123				0% 26% 21% 27% 27% 24% 0.29 0.32 1.10					
C31 Circle 70%		3	3	123123				0% 22% 18% 27% 27% 20% 0.29 0.32 1.10					
C32 Circle 67%		3	3	123123				0% 32% 25% 26% 26% 29% 0.29 0.32 1.10					
C33 Circle 35%		3	3	123123				0% 49% 38% 24% 24% 44% 0.29 0.32 1.10					
C34 Circle 63%		3	3	123123				0% 28% 22% 27% 27% 25% 0.29 0.32 1.10					
C35 Circle 40%		3	3	123123				0% 45% 35% 25% 25% 41% 0.29 0.32 1.10					
C36 Circle 20%		3	3	123123				0% 60% 47% 23% 23% 54% 0.29 0.32 1.10					
C41 Circle 52%		3	3	123123				0% 36% 28% 26% 26% 33% 0.29 0.32 1.10					
C42 Circle 34%		3	3	123123				0% 49% 39% 24% 24% 45% 0.29 0.32 1.10					
C43 Circle 44%		3	3	123123				0% 42% 33% 25% 25% 38% 0.29 0.32 1.10					
C51 Circle 54%		3	3	123123				0% 35% 27% 26% 26% 31% 0.29 0.32 1.10					
C52 Circle 44%		3	3	123123				0% 42% 33% 25% 25% 38% 0.29 0.32 1.10					
C53 Circle 46%		3	3	123123				0% 41% 32% 25% 25% 37% 0.29 0.32 1.10					
C54 Circle 49%		3	3	123123				0% 38% 30% 25% 25% 35% 0.29 0.32 1.10					
C55 Circle 36%		3	3	123123				0% 48% 38% 24% 24% 44% 0.29 0.32 1.10					
C14 Triangle 51%		3	3	123123				0% 37% 29% 26% 26% 33% 0.29 0.32 1.10					
C15 Triangle 36%		3	3	123123				0% 48% 38% 24% 24% 44% 0.29 0.32 1.10					
C16 Triangle 31%		3	3	123123				0% 52% 41% 24% 24% 47% 0.29 0.32 1.10					
C61 Triangle 65%		3	3	123123				0% 26% 21% 27% 27% 24% 0.29 0.32 1.10					
C62 Triangle 34%		3	3	123123				0% 50% 39% 24% 24% 45% 0.29 0.32 1.10					
C63 Triangle 37%		3	3	123123				0% 47% 37% 24% 24% 43% 0.29 0.32 1.10					
C64 Triangle 33%		3	3	123123				0% 51% 40% 24% 24% 46% 0.29 0.32 1.10					
C65 Triangle 24%		3	3	123123				0% 57% 45% 23% 23% 52% 0.29 0.32 1.10					
C66 Triangle 50%		3	3	123123				0% 37% 29% 26% 26% 34% 0.29 0.32 1.10					
C71 Triangle 52%		3	3	123123				0% 36% 28% 26% 26% 33% 0.29 0.32 1.10					
C72 Triangle 28%		3	3	123123				0% 54% 42% 24% 24% 49% 0.29 0.32 1.10					
C73 Triangle 37%		3	3	123123				0% 47% 37% 24% 24% 43% 0.29 0.32 1.10					

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)			
LowIron-LowIron-Spacer-Clear-Spacer-Clear													
Panel Type	Shape	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	Visible Light Transmittance	U-Value	SHGC	Winter	Summer
			Thickness	Thickness	Size	Thickness	Size	Thickness					
C74 Triangle	47%	37%	3	3	123123				0% 40% 31% 25% 25% 36% 0.29 0.32 1.10				
			3	3	123123				0% 47% 37% 24% 24% 43% 0.29 0.32 1.10				
			3	3	123123				0% 44% 35% 25% 25% 40% 0.29 0.32 1.10				
			3	3	123123				0% 39% 31% 25% 25% 35% 0.29 0.32 1.10				
			3	3	123123				0% 51% 40% 24% 24% 46% 0.29 0.32 1.10				
			3	3	123123				0% 63% 50% 22% 22% 57% 0.29 0.32 1.10				
			3	3	123123				0% 24% 19% 27% 27% 22% 0.29 0.32 1.10				
			3	3	123123				0% 48% 37% 24% 24% 43% 0.29 0.32 1.10				
			3	3	123123				0% 48% 37% 24% 24% 43% 0.29 0.32 1.10				
			3	3	123123				0% 36% 28% 26% 26% 32% 0.29 0.32 1.10				
			3	3	123123				0% 59% 46% 23% 23% 53% 0.29 0.32 1.10				
			3	3	123123				0% 23% 18% 27% 27% 21% 0.29 0.32 1.10				
			3	3	123123				0% 35% 28% 26% 26% 32% 0.29 0.32 1.10				
			3	3	123123				0% 47% 37% 24% 24% 43% 0.29 0.32 1.10				
			3	3	123123				0% 68% 53% 22% 22% 61% 0.29 0.32 1.10				
			3	3	123123				0% 51% 40% 24% 24% 47% 0.29 0.32 1.10				
C94 Hexagon	10%	32%	3	3	123123				0% 40% 31% 25% 25% 36% 0.29 0.32 1.10				
			3	3	123123				0% 28% 22% 27% 27% 25% 0.29 0.32 1.10				
			3	3	123123				0% 63% 41% 24% 24% 48% 0.29 0.32 1.10				
			3	3	123123				0% 48% 37% 24% 24% 43% 0.29 0.32 1.10				
C101 Parallelogram	63%	30%	3	3	123123				0% 51% 40% 24% 24% 47% 0.29 0.32 1.10				
			3	3	123123				0% 58% 45% 23% 23% 52% 0.29 0.32 1.10				
			3	3	123123				0% 38% 30% 25% 25% 34% 0.29 0.32 1.10				
			3	3	123123				0% 35% 28% 26% 26% 32% 0.29 0.32 1.10				
			3	3	123123				0% 45% 35% 25% 25% 41% 0.29 0.32 1.10				
			3	3	123123				0% 43% 33% 25% 25% 39% 0.29 0.32 1.10				
			3	3	123123				0% 55% 43% 23% 23% 50% 0.29 0.32 1.10				
			3	3	123123				0% 45% 35% 25% 25% 41% 0.29 0.32 1.10				
			3	3	123123				0% 55% 43% 23% 23% 50% 0.29 0.32 1.10				
			3	3	123123				0% 55% 43% 23% 23% 50% 0.29 0.32 1.10				
			3	3									
			3	3									

Panel Layers		Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft ² F)			
LowIron-LowIron-Spacer-Clear-Spacer-Clear													
Panel Type/Shape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer	Glass L3 Thickness	Glass L4 Thickness	UV Transmittance	Visible Light Transmittance	Total Solar Reflectance	SHGC	U-Value	Light to Air	Light to Floor
Area							Daytime	Nighttime	Winter	Summer	Gain		
Non-ActiveAny Shape0%		4	4	124124			1% 74% 56% 21% 21% 67% 0.28 0.32 1.10						
A1 Rectangle 92%		4	4	124124			0% 6% 5% 29% 29% 6% 0.28 0.32 1.10						
A2 Rectangle 61%		4	4	124124			0% 29% 22% 27% 27% 26% 0.28 0.32 1.10						
A3 Rectangle 61%		4	4	124124			0% 29% 22% 27% 27% 26% 0.28 0.32 1.10						
A4 Rectangle 31%		4	4	124124			1% 51% 39% 24% 24% 47% 0.28 0.32 1.10						
A5 Rectangle 31%		4	4	124124			1% 51% 39% 24% 24% 47% 0.28 0.32 1.10						
A6 Rectangle 15%		4	4	124124			1% 63% 47% 22% 22% 57% 0.28 0.32 1.10						
A7 Rectangle 31%		4	4	124124			1% 51% 39% 24% 24% 47% 0.28 0.32 1.10						
A8 Rectangle 46%		4	4	124124			1% 40% 30% 25% 25% 36% 0.28 0.32 1.10						
A21 Rectangle 76%		4	4	124124			0% 17% 13% 28% 28% 16% 0.28 0.32 1.10						
A22 Rectangle 38%		4	4	124124			1% 46% 35% 24% 24% 41% 0.28 0.32 1.10						
A23 Rectangle 15%		4	4	124124			1% 63% 47% 22% 22% 57% 0.28 0.32 1.10						
A24 Rectangle 46%		4	4	124124			1% 40% 30% 25% 25% 36% 0.28 0.32 1.10						
A25 Rectangle 31%		4	4	124124			1% 51% 39% 24% 24% 47% 0.28 0.32 1.10						
A26 Rectangle 15%		4	4	124124			1% 63% 47% 22% 22% 57% 0.28 0.32 1.10						
A27 Rectangle 23%		4	4	124124			1% 57% 43% 23% 23% 52% 0.28 0.32 1.10						
A31 Rectangle 31%		4	4	124124			1% 51% 39% 24% 24% 47% 0.28 0.32 1.10						
A32 Rectangle 20%		4	4	124124			1% 59% 45% 23% 23% 53% 0.28 0.32 1.10						
A33 Rectangle 10%		4	4	124124			1% 66% 50% 22% 22% 60% 0.28 0.32 1.10						
A34 Rectangle 5%		4	4	124124			1% 70% 53% 21% 21% 64% 0.28 0.32 1.10						
A41 Rectangle 74%		4	4	124124			0% 19% 15% 28% 28% 17% 0.28 0.32 1.10						
A42 Rectangle 47%		4	4	124124			1% 39% 30% 25% 25% 35% 0.28 0.32 1.10						
A43 Rectangle 14%		4	4	124124			1% 64% 48% 22% 22% 58% 0.28 0.32 1.10						
A44 Rectangle 10%		4	4	124124			1% 66% 50% 22% 22% 60% 0.28 0.32 1.10						
A45 Rectangle 42%		4	4	124124			1% 42% 32% 25% 25% 38% 0.28 0.32 1.10						
A46 Rectangle 69%		4	4	124124			0% 30% 22% 26% 26% 27% 0.28 0.32 1.10						
A51 Rectangle 57%		4	4	124124			0% 32% 24% 26% 26% 29% 0.28 0.32 1.10						
A52 Rectangle 27%		4	4	124124			1% 54% 41% 23% 23% 49% 0.28 0.32 1.10						
A53 Rectangle 23%		4	4	124124			1% 58% 44% 23% 23% 52% 0.28 0.32 1.10						
A54 Rectangle 87%		4	4	124124			0% 10% 7% 29% 29% 9% 0.28 0.32 1.10						
A55 Rectangle 69%		4	4	124124			0% 23% 17% 27% 27% 21% 0.28 0.32 1.10						
A56 Rectangle 61%		4	4	124124			0% 29% 22% 27% 27% 26% 0.28 0.32 1.10						
A11 Rectangle 46%		4	4	124124			1% 40% 30% 25% 25% 36% 0.28 0.32 1.10						
A12 Rectangle 23%		4	4	124124			1% 57% 43% 23% 23% 52% 0.28 0.32 1.10						
A13 Rectangle 23%		4	4	124124			1% 57% 43% 23% 23% 52% 0.28 0.32 1.10						
A14 Rectangle 73%		4	4	124124			1% 57% 43% 23% 23% 52% 0.28 0.32 1.10						
A15 Rectangle 11%		4	4	124124			1% 66% 50% 22% 22% 59% 0.28 0.32 1.10						
A16 Rectangle 34%		4	4	124124			1% 49% 37% 24% 24% 44% 0.28 0.32 1.10						
A17 Rectangle 36%		4	4	124124			1% 48% 36% 24% 24% 43% 0.28 0.32 1.10						
A122 Rectangle 15%		4	4	124124			1% 63% 47% 22% 22% 57% 0.28 0.32 1.10						
A123 Rectangle 20%		4	4	124124			1% 59% 45% 23% 23% 53% 0.28 0.32 1.10						
A124 Rectangle 36%		4	4	124124			1% 48% 36% 24% 24% 43% 0.28 0.32 1.10						
A125 Rectangle 25%		4	4	124124			1% 55% 42% 23% 23% 50% 0.28 0.32 1.10						
A126 Rectangle 18%		4	4	124124			1% 61% 46% 23% 23% 55% 0.28 0.32 1.10						
A127 Rectangle 18%		4	4	124124			1% 61% 46% 23% 23% 55% 0.28 0.32 1.10						
A128 Rectangle 8%		4	4	124124			1% 68% 52% 22% 22% 62% 0.28 0.32 1.10						
B1 Rectangle-Half 587%		4	4	124124			0% 9% 7% 29% 29% 8% 0.28 0.32 1.10						
B2 Rectangle-Half 558%		4	4	124124			0% 31% 23% 26% 26% 28% 0.28 0.32 1.10						
B3 Rectangle-Half 558%		4	4	124124			0% 31% 23% 26% 26% 28% 0.28 0.32 1.10						
B4 Rectangle-Half 529%		4	4	124124			1% 52% 40% 24% 24% 47% 0.28 0.32 1.10						
B5 Rectangle-Half 529%		4	4	124124			1% 52% 40% 24% 24% 47% 0.28 0.32 1.10						
B6 Rectangle-Half 515%		4	4	124124			1% 52% 40% 24% 24% 47% 0.28 0.32 1.10						
B7 Rectangle-Half 529%		4	4	124124			1% 52% 40% 24% 24% 47% 0.28 0.32 1.10						
B8 Rectangle-Half 544%		4	4	124124			0% 20% 15% 28% 28% 18% 0.28 0.32 1.10						
B21 Rectangle-Half 573%		4	4	124124			1% 42% 32% 25% 25% 38% 0.28 0.32 1.10						
B22 Rectangle-Half 544%		4	4	124124			1% 63% 48% 22% 22% 57% 0.28 0.32 1.10						
B23 Rectangle-Half 515%		4	4	124124			0% 31% 23% 26% 26% 28% 0.28 0.32 1.10						
B24 Rectangle-Half 558%		4	4	124124			1% 52% 40% 24% 24% 47% 0.28 0.32 1.10						
B25 Rectangle-Half 529%		4	4	124124			1% 52% 40% 24% 24% 47% 0.28 0.32 1.10						
B26 Rectangle-Half 544%		4	4	124124			1% 42% 32% 25% 25% 38% 0.28 0.32 1.10						
B31 Rectangle-Half 539%		4	4	124124			1% 45% 34% 24% 24% 41% 0.28 0.32 1.10						
B32 Rectangle-Half 519%		4	4	124124			1% 60% 45% 23% 23% 54% 0.28 0.32 1.10						
B33 Rectangle-Half 539%		4	4	124124			1% 45% 34% 24% 24% 41% 0.28 0.32 1.10						
B34 Rectangle-Half 519%		4	4	124124			1% 60% 45% 23% 23% 54% 0.28 0.32 1.10						
B35 Rectangle-Half 510%		4	4	124124			1% 67% 51% 22% 22% 60% 0.28 0.32 1.10						
B36 Rectangle-Half 532%		4	4	124124			1% 51% 38% 24% 24% 46% 0.28 0.32 1.10						
C11 Circle 66%		4	4	124124			0% 30% 22% 26% 26% 27% 0.28 0.32 1.10						
C12 Circle 46%		4	4	124124			1% 44% 34% 25% 25% 40% 0.28 0.32 1.10						
C13 Circle 26%		4	4	124124			1% 59% 45% 23% 23% 54% 0.28 0.32 1.10						
C21 Circle 76%		4	4	124124			0% 16% 12% 28% 28% 15% 0.28 0.32 1.10						
C22 Circle 29%		4	4	124124			0% 15% 12% 28% 28% 14% 0.28 0.32 1.10						
C23 Circle 42%		4	4	124124			1% 43% 32% 25% 25% 39% 0.28 0.32 1.10						
C24 Circle 38%		4	4	124124			1% 46% 35% 24% 24% 41% 0.28 0.32 1.10						
C25 Circle 65%		4	4	124124			0% 26% 19% 27% 27% 23% 0.28 0.32 1.10						
C31 Circle 70%		4	4	124124			0% 22% 17% 27% 27% 20% 0.28 0.32 1.10						
C32 Circle 57%		4	4	124124			0% 32% 24% 26% 26% 29% 0.28 0.32 1.10						
C33 Circle 35%		4	4	124124			1% 48% 36% 24% 24% 44% 0.28 0.32 1.10						
C34 Circle 63%		4	4	124124			0% 28% 21% 27% 27% 25% 0.28 0.32 1.10						
C35 Circle 40%		4	4	124124			1% 44% 34% 25% 25% 40% 0.28 0.32 1.10						
C36 Circle 20%		4	4	124124			1% 59% 45% 23% 23% 53% 0.28 0.32 1.10						
C41 Circle 52%		4	4	124124			0% 35% 27% 26% 26% 32% 0.28 0.32 1.10						
C42 Circle 34%		4	4	124124			1% 49% 37% 24% 24% 44% 0.28 0.32 1.10						
C43 Circle 44%		4	4	124124			1% 41% 31% 25% 25% 38% 0.28 0.32 1.10						
C51 Circle 54%		4	4	124124			0% 34% 26% 26% 26% 31% 0.28 0.32 1.10						
C52 Circle 44%		4	4	124124			1% 41% 31% 25% 25% 38% 0.28 0.32 1.10						
C53 Circle 46%		4	4	124124			1% 40% 30% 25% 25% 36% 0.28 0.32 1.10						
C54 Circle 49%		4	4	124124			1% 38% 29% 25% 25% 34% 0.28 0.32 1.10						
C55 Circle 36%		4	4	124124			1% 47% 36% 24% 24% 43% 0.28 0.32 1.10						
C14 Triangle 51%		4	4	124124			0% 36% 27% 26% 26% 33% 0.28 0.32 1.10						
C15 Triangle 36%		4	4	124124			1% 48% 36% 24% 24% 43% 0.28 0.32 1.10						
C16 Triangle 31%		4	4	124124			1% 51% 39% 24% 24% 47% 0.28 0.32 1.10						
C61 Triangle 65%		4	4	124124			0% 26% 20% 27% 27% 23% 0.28 0.32 1.10						
C62 Triangle 34%		4	4	124124			1% 49% 37% 24% 24% 44% 0.28 0.32 1.10						
C63 Triangle 37%		4	4	124124			1% 47% 35% 24% 24% 42% 0.28 0.32 1.10						
C64 Triangle 33%		4	4	124124			1% 50% 38% 24% 24% 45% 0.28 0.32 1.10						
C65 Triangle 24%		4	4	124124			1% 56% 43% 23% 23% 51% 0.28 0.32 1.10						
C66 Triangle 50%		4	4	124124			0% 37% 28% 26% 26% 33% 0.28 0.32 1.10						
C71 Triangle 52%		4	4	124124			0% 36% 27% 26% 26% 32% 0.28 0.32 1.10						
C72 Triangle 28%		4	4	124124			1% 53% 40% 24% 24% 48% 0.28 0.32 1.10						
C73 Triangle 37%		4	4	124124			1% 47% 35% 24% 24% 42						

Panel Layers		Layers				Visible				Solar Heat U-Value (BTU/hrft ² F)			
LowIron-LowIron-Spacer-Clear-Spacer-Clear													
Panel Type	Shape	Cell Coverage	Class L1	Class L2	Spacer	Class L3	Spacer	Class L4	Visible	Visible	Visible	Visible	Visible
			Thickness	Thickness		Size	Thickness	Size	Transmittance	Transmittance	Transmittance	Transmittance	Transmittance
Area									Nighttime	Daytime	Winter	Summer	Gain
	C74 Triangle	47%	4	4	124124				1% 39% 30% 25% 25% 35% 0.28 0.32 1.10				
	C75 Triangle	37%	4	4	124124				1% 47% 35% 24% 24% 42% 0.28 0.32 1.10				
	C76 Triangle	41%	4	4	124124				1% 43% 33% 25% 25% 39% 0.28 0.32 1.10				
	C17 Hexagon	48%	4	4	124124				1% 38% 29% 25% 25% 35% 0.28 0.32 1.10				
	C18 Hexagon	32%	4	4	124124				1% 50% 38% 24% 24% 45% 0.28 0.32 1.10				
	C19 Hexagon	16%	4	4	124124				1% 62% 47% 22% 22% 56% 0.28 0.32 1.10				
	C80 Hexagon	68%	4	4	124124				0% 24% 18% 27% 27% 21% 0.28 0.32 1.10				
	C82 Hexagon	36%	4	4	124124				1% 47% 36% 24% 24% 43% 0.28 0.32 1.10				
	C83 Hexagon	36%	4	4	124124				1% 47% 36% 24% 24% 43% 0.28 0.32 1.10				
	C84 Hexagon	52%	4	4	124124				0% 35% 27% 26% 26% 32% 0.28 0.32 1.10				
	C85 Hexagon	22%	4	4	124124				1% 58% 44% 23% 23% 52% 0.28 0.32 1.10				
	C91 Hexagon	69%	4	4	124124				0% 23% 17% 27% 27% 21% 0.28 0.32 1.10				
	C92 Hexagon	53%	4	4	124124				0% 35% 26% 26% 26% 31% 0.28 0.32 1.10				
	C93 Hexagon	37%	4	4	124124				1% 46% 35% 24% 24% 42% 0.28 0.32 1.10				
	C94 Hexagon	10%	4	4	124124				1% 67% 50% 22% 22% 60% 0.28 0.32 1.10				
	C95 Hexagon	32%	4	4	124124				1% 51% 38% 24% 24% 46% 0.28 0.32 1.10				
	C96 Hexagon	47%	4	4	124124				1% 39% 30% 25% 25% 35% 0.28 0.32 1.10				
	C101 Parallelogram	63%	4	4	124124				0% 27% 21% 27% 27% 25% 0.28 0.32 1.10				
	C102 Parallelogram	30%	4	4	124124				1% 62% 39% 24% 24% 47% 0.28 0.32 1.10				
	C103 Parallelogram	37%	4	4	124124				1% 47% 36% 24% 24% 42% 0.28 0.32 1.10				
	C104 Parallelogram	32%	4	4	124124				1% 53% 38% 24% 24% 46% 0.28 0.32 1.10				
	C105 Parallelogram	23%	4	4	124124				1% 57% 43% 23% 23% 51% 0.28 0.32 1.10				
	C106 Parallelogram	56%	4	4	124124				1% 37% 28% 25% 25% 34% 0.28 0.32 1.10				
	C111 Parallelogram	53%	4	4	124124				0% 35% 26% 26% 26% 31% 0.28 0.32 1.10				
	C112 Parallelogram	49%	4	4	124124				1% 44% 34% 25% 25% 40% 0.28 0.32 1.10				
	C113 Parallelogram	42%	4	4	124124				1% 42% 32% 25% 25% 38% 0.28 0.32 1.10				
	C114 Parallelogram	27%	4	4	124124				1% 54% 41% 23% 23% 49% 0.28 0.32 1.10				
	C115 Parallelogram	40%	4	4	124124				1% 44% 34% 25% 25% 40% 0.28 0.32 1.10				
	C116 Parallelogram	27%	4	4	124124				1% 54% 41% 23% 23% 49% 0.28 0.32 1.10				
			4	4									

Panel Layers		Layers				Visible Light Total Solar Reflectance		Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-Clear-Spacer-Clear											
Panel Type/Shape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Size	Glass L3 Thickness	Glass L4 Thickness	Visible Light Transmittance Daytime	Visible Light Transmittance Nighttime	Total Solar Reflectance	U-Value	Light to
Non-ActiveAny Shape0%		6	6	126126			0% 72% 50% 21% 20% 64%	0.28 0.32 1.13			
A1 Rectangle 92%		6	6	126126			0% 6% 4% 29% 29% 5%	0.28 0.32 1.13			
A2 Rectangle 61%		6	6	126126			0% 28% 19% 27% 26% 25%	0.28 0.32 1.13			
A3 Rectangle 61%		6	6	126126			0% 28% 19% 27% 26% 25%	0.28 0.32 1.13			
A4 Rectangle 31%		6	6	126126			0% 50% 35% 24% 23% 44%	0.28 0.32 1.13			
A5 Rectangle 31%		6	6	126126			0% 50% 35% 24% 23% 44%	0.28 0.32 1.13			
A6 Rectangle 15%		6	6	126126			0% 61% 42% 22% 22% 54%	0.28 0.32 1.13			
A7 Rectangle 31%		6	6	126126			0% 50% 35% 24% 23% 44%	0.28 0.32 1.13			
A8 Rectangle 46%		6	6	126126			0% 39% 27% 25% 25% 35%	0.28 0.32 1.13			
A21 Rectangle 76%		6	6	126126			0% 17% 12% 28% 28% 15%	0.28 0.32 1.13			
A22 Rectangle 38%		6	6	126126			0% 44% 31% 24% 24% 40%	0.28 0.32 1.13			
A23 Rectangle 16%		6	6	126126			0% 61% 42% 22% 22% 54%	0.28 0.32 1.13			
A24 Rectangle 46%		6	6	126126			0% 39% 27% 25% 25% 35%	0.28 0.32 1.13			
A25 Rectangle 31%		6	6	126126			0% 50% 35% 24% 23% 44%	0.28 0.32 1.13			
A26 Rectangle 15%		6	6	126126			0% 61% 42% 22% 22% 54%	0.28 0.32 1.13			
A27 Rectangle 23%		6	6	126126			0% 55% 39% 23% 22% 49%	0.28 0.32 1.13			
A31 Rectangle 31%		6	6	126126			0% 50% 35% 24% 23% 44%	0.28 0.32 1.13			
A32 Rectangle 20%		6	6	126126			0% 57% 40% 23% 22% 51%	0.28 0.32 1.13			
A33 Rectangle 10%		6	6	126126			0% 65% 45% 22% 21% 57%	0.28 0.32 1.13			
A34 Rectangle 5%		6	6	126126			0% 68% 47% 21% 21% 61%	0.28 0.32 1.13			
A41 Rectangle 74%		6	6	126126			0% 19% 13% 28% 27% 17%	0.28 0.32 1.13			
A42 Rectangle 47%		6	6	126126			0% 38% 26% 25% 25% 34%	0.28 0.32 1.13			
A43 Rectangle 14%		6	6	126126			0% 62% 43% 22% 21% 55%	0.28 0.32 1.13			
A44 Rectangle 10%		6	6	126126			0% 65% 45% 22% 21% 57%	0.28 0.32 1.13			
A45 Rectangle 43%		6	6	126126			0% 41% 28% 25% 24% 36%	0.28 0.32 1.13			
A46 Rectangle 60%		6	6	126126			0% 29% 20% 26% 26% 26%	0.28 0.32 1.13			
A51 Rectangle 57%		6	6	126126			0% 31% 21% 26% 26% 27%	0.28 0.32 1.13			
A52 Rectangle 27%		6	6	126126			0% 53% 37% 23% 23% 47%	0.28 0.32 1.13			
A53 Rectangle 22%		6	6	126126			0% 56% 39% 23% 22% 50%	0.28 0.32 1.13			
A54 Rectangle 67%		6	6	126126			0% 10% 7% 29% 29% 9%	0.28 0.32 1.13			
A55 Rectangle 69%		6	6	126126			0% 22% 16% 27% 27% 20%	0.28 0.32 1.13			
A56 Rectangle 14%		6	6	126126			0% 28% 19% 27% 26% 25%	0.28 0.32 1.13			
A11 Rectangle 46%		6	6	126126			0% 39% 27% 25% 25% 35%	0.28 0.32 1.13			
A12 Rectangle 23%		6	6	126126			0% 55% 39% 23% 22% 49%	0.28 0.32 1.13			
A13 Rectangle 23%		6	6	126126			0% 55% 39% 23% 22% 49%	0.28 0.32 1.13			
A14 Rectangle 73%		6	6	126126			0% 55% 39% 23% 22% 49%	0.28 0.32 1.13			
A15 Rectangle 11%		6	6	126126			0% 64% 44% 22% 21% 57%	0.28 0.32 1.13			
A16 Rectangle 34%		6	6	126126			0% 47% 33% 24% 23% 42%	0.28 0.32 1.13			
A17 Rectangle 36%		6	6	126126			0% 46% 32% 24% 24% 41%	0.28 0.32 1.13			
A122 Rectangle 15%		6	6	126126			0% 61% 42% 22% 22% 54%	0.28 0.32 1.13			
A123 Rectangle 20%		6	6	126126			0% 57% 40% 23% 22% 51%	0.28 0.32 1.13			
A124 Rectangle 36%		6	6	126126			0% 46% 32% 24% 24% 41%	0.28 0.32 1.13			
A125 Rectangle 25%		6	6	126126			0% 54% 37% 23% 23% 48%	0.28 0.32 1.13			
A126 Rectangle 18%		6	6	126126			0% 59% 41% 23% 22% 53%	0.28 0.32 1.13			
A127 Rectangle 18%		6	6	126126			0% 59% 41% 23% 22% 53%	0.28 0.32 1.13			
A128 Rectangle 8%		6	6	126126			0% 66% 46% 22% 21% 59%	0.28 0.32 1.13			
B1 Rectangle-Half 587%		6	6	126126			0% 9% 6% 29% 29% 8%	0.28 0.32 1.13			
B2 Rectangle-Half 558%		6	6	126126			0% 30% 21% 26% 26% 27%	0.28 0.32 1.13			
B3 Rectangle-Half 558%		6	6	126126			0% 30% 21% 26% 26% 27%	0.28 0.32 1.13			
B4 Rectangle-Half 529%		6	6	126126			0% 51% 35% 24% 23% 45%	0.28 0.32 1.13			
B5 Rectangle-Half 529%		6	6	126126			0% 51% 35% 24% 23% 45%	0.28 0.32 1.13			
B6 Rectangle-Half 515%		6	6	126126			0% 62% 43% 22% 21% 55%	0.28 0.32 1.13			
B7 Rectangle-Half 529%		6	6	126126			0% 51% 35% 24% 23% 45%	0.28 0.32 1.13			
B8 Rectangle-Half 544%		6	6	126126			0% 41% 28% 25% 24% 36%	0.28 0.32 1.13			
B21 Rectangle-Half 573%		6	6	126126			0% 20% 14% 28% 27% 17%	0.28 0.32 1.13			
B22 Rectangle-Half 544%		6	6	126126			0% 41% 28% 25% 24% 36%	0.28 0.32 1.13			
B23 Rectangle-Half 515%		6	6	126126			0% 62% 43% 22% 21% 55%	0.28 0.32 1.13			
B24 Rectangle-Half 558%		6	6	126126			0% 30% 21% 26% 26% 27%	0.28 0.32 1.13			
B25 Rectangle-Half 529%		6	6	126126			0% 51% 35% 24% 23% 45%	0.28 0.32 1.13			
B26 Rectangle-Half 544%		6	6	126126			0% 41% 28% 25% 24% 36%	0.28 0.32 1.13			
B31 Rectangle-Half 539%		6	6	126126			0% 44% 31% 24% 24% 39%	0.28 0.32 1.13			
B32 Rectangle-Half 519%		6	6	126126			0% 58% 40% 23% 22% 52%	0.28 0.32 1.13			
B33 Rectangle-Half 539%		6	6	126126			0% 44% 31% 24% 24% 39%	0.28 0.32 1.13			
B34 Rectangle-Half 519%		6	6	126126			0% 58% 40% 23% 22% 52%	0.28 0.32 1.13			
B35 Rectangle-Half 510%		6	6	126126			0% 65% 45% 22% 21% 58%	0.28 0.32 1.13			
B36 Rectangle-Half 532%		6	6	126126			0% 49% 34% 24% 23% 44%	0.28 0.32 1.13			
C1 Circle 66%		6	6	126126			0% 29% 20% 26% 26% 26%	0.28 0.32 1.13			
C12 Circle 46%		6	6	126126			0% 43% 30% 25% 24% 38%	0.28 0.32 1.13			
C13 Circle 26%		6	6	126126			0% 58% 40% 23% 22% 51%	0.28 0.32 1.13			
C21 Circle 76%		6	6	126126			0% 16% 11% 28% 28% 14%	0.28 0.32 1.13			
C22 Circle 29%		6	6	126126			0% 15% 10% 28% 28% 13%	0.28 0.32 1.13			
C23 Circle 42%		6	6	126126			0% 41% 29% 25% 24% 37%	0.28 0.32 1.13			
C24 Circle 38%		6	6	126126			0% 44% 31% 24% 24% 39%	0.28 0.32 1.13			
C25 Circle 65%		6	6	126126			0% 25% 17% 27% 27% 22%	0.28 0.32 1.13			
C31 Circle 70%		6	6	126126			0% 22% 15% 27% 27% 19%	0.28 0.32 1.13			
C32 Circle 57%		6	6	126126			0% 31% 21% 26% 26% 27%	0.28 0.32 1.13			
C33 Circle 35%		6	6	126126			0% 47% 32% 24% 24% 42%	0.28 0.32 1.13			
C34 Circle 63%		6	6	126126			0% 27% 19% 27% 26% 24%	0.28 0.32 1.13			
C35 Circle 40%		6	6	126126			0% 43% 30% 25% 24% 38%	0.28 0.32 1.13			
C36 Circle 20%		6	6	126126			0% 57% 40% 23% 22% 51%	0.28 0.32 1.13			
C41 Circle 52%		6	6	126126			0% 34% 24% 26% 25% 31%	0.28 0.32 1.13			
C42 Circle 34%		6	6	126126			0% 47% 33% 24% 23% 42%	0.28 0.32 1.13			
C43 Circle 44%		6	6	126126			0% 40% 28% 25% 24% 36%	0.28 0.32 1.13			
C51 Circle 54%		6	6	126126			0% 33% 23% 26% 25% 30%	0.28 0.32 1.13			
C52 Circle 44%		6	6	126126			0% 40% 28% 25% 24% 36%	0.28 0.32 1.13			
C53 Circle 46%		6	6	126126			0% 39% 27% 25% 25% 35%	0.28 0.32 1.13			
C54 Circle 49%		6	6	126126			0% 37% 26% 25% 25% 33%	0.28 0.32 1.13			
C55 Circle 36%		6	6	126126			0% 46% 32% 24% 24% 41%	0.28 0.32 1.13			
C14 Triangle 51%		6	6	126126			0% 35% 25% 26% 25% 31%	0.28 0.32 1.13			
C15 Triangle 36%		6	6	126126			0% 46% 32% 24% 24% 41%	0.28 0.32 1.13			
C16 Triangle 31%		6	6	126126			0% 50% 35% 24% 23% 44%	0.28 0.32 1.13			
C61 Triangle 65%		6	6	126126			0% 25% 17% 27% 27% 22%	0.28 0.32 1.13			
C62 Triangle 34%		6	6	126126			0% 48% 33% 24% 23% 42%	0.28 0.32 1.13			
C63 Triangle 37%		6	6	126126			0% 45% 32% 24% 24% 40%	0.28 0.32 1.13			
C64 Triangle 33%		6	6	126126			0% 49% 34% 24% 23% 43%	0.28 0.32 1.13			
C65 Triangle 24%		6	6	126126			0% 55% 38% 23% 22% 49%	0.28 0.32 1.13			
C66 Triangle 50%		6	6	126126			0% 36% 25% 26% 25% 32%	0.28 0.32 1.13			
C71 Triangle 52%		6	6	126126			0% 35% 24% 26% 25% 31%	0.28 0.32 1.13			
C72 Triangle 28%		6	6	126126			0% 52% 36% 24% 23% 46%	0.28 0.32 1.13			
C73 Triangle 37%		6	6	126126			0% 45% 32% 24% 24% 40%	0.28 0.32 1.13			

Panel Layers		Layers				Visible				Solar Heat U-Value (BTU/hrft2F)			
LowIron-LowIron-Spacer-Clear-Spacer-Clear						Light Total Solar Reflectance							
Panel TypeShape Area	Cell Coverage	Glass L1	Glass L2	Spacer	Glass L3	Spacer	Glass L4	UV Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)	
		Th ickn es s	Th ickn es s	Size	Thickness	Size	Thickness	Exterior	Interior	Coef ficient	Winter	Summer	Gain
								Nighttime	Daytime				
	C74 Triangle 47%	6	6	126126				0% 38% 26% 25% 25% 34% 0.28 0.32 1.13					
	C75 Triangle 37%	6	6	126126				0% 45% 32% 24% 24% 40% 0.28 0.32 1.13					
	C76 Triangle 41%	6	6	126126				0% 42% 39% 25% 24% 38% 0.28 0.32 1.13					
	C17 Hexagon 48%	6	6	126126				0% 37% 26% 25% 25% 33% 0.28 0.32 1.13					
	C18 Hexagon 32%	6	6	126126				0% 49% 34% 24% 23% 43% 0.28 0.32 1.13					
	C19 Hexagon 16%	6	6	126126				0% 60% 47% 22% 22% 54% 0.28 0.32 1.13					
	C81 Hexagon 68%	6	6	126126				0% 23% 16% 27% 27% 20% 0.28 0.32 1.13					
	C82 Hexagon 36%	6	6	126126				0% 46% 32% 24% 24% 41% 0.28 0.32 1.13					
	C83 Hexagon 36%	6	6	126126				0% 46% 32% 24% 24% 41% 0.28 0.32 1.13					
	C84 Hexagon 52%	6	6	126126				0% 34% 24% 26% 25% 31% 0.28 0.32 1.13					
	C85 Hexagon 22%	6	6	126126				0% 56% 39% 23% 22% 50% 0.28 0.32 1.13					
	C91 Hexagon 69%	6	6	126126				0% 22% 16% 27% 27% 20% 0.28 0.32 1.13					
	C92 Hexagon 33%	6	6	126126				0% 34% 23% 26% 25% 30% 0.28 0.32 1.13					
	C93 Hexagon 37%	6	6	126126				0% 45% 31% 24% 24% 40% 0.28 0.32 1.13					
	C94 Hexagon 10%	6	6	126126				0% 65% 45% 22% 21% 58% 0.28 0.32 1.13					
	C95 Hexagon 32%	6	6	126126				0% 49% 34% 24% 23% 44% 0.28 0.32 1.13					
	C96 Hexagon 47%	6	6	126126				0% 38% 26% 25% 25% 34% 0.28 0.32 1.13					
	C101 Parallelogram 63%	6	6	126126				0% 27% 18% 27% 26% 24% 0.28 0.32 1.13					
	C102 Parallelogram 30%	6	6	126126				0% 50% 35% 24% 23% 45% 0.28 0.32 1.13					
	C103 Parallelogram 37%	6	6	126126				0% 46% 32% 24% 24% 41% 0.28 0.32 1.13					
	C104 Parallelogram 33%	6	6	126126				0% 49% 34% 24% 23% 44% 0.28 0.32 1.13					
	C105 Parallelogram 23%	6	6	126126				0% 55% 38% 23% 22% 49% 0.28 0.32 1.13					
	C106 Parallelogram 50%	6	6	126126				0% 36% 25% 25% 25% 32% 0.28 0.32 1.13					
	C111 Parallelogram 53%	6	6	126126				0% 34% 23% 26% 25% 30% 0.28 0.32 1.13					
	C112 Parallelogram 60%	6	6	126126				0% 43% 30% 25% 24% 38% 0.28 0.32 1.13					
	C113 Parallelogram 63%	6	6	126126				0% 41% 28% 25% 24% 36% 0.28 0.32 1.13					
	C114 Parallelogram 27%	6	6	126126				0% 53% 37% 23% 23% 47% 0.28 0.32 1.13					
	C115 Parallelogram 60%	6	6	126126				0% 43% 30% 25% 24% 38% 0.28 0.32 1.13					
	C116 Parallelogram 27%	6	6	126126				0% 53% 37% 23% 23% 47% 0.28 0.32 1.13					

Panel Layers		Layers				Visible		Solar Heat U-Value (BTU/hrft ²)		Light to	
LowIron-LowIron-Spacer-LowIron-Spacer-LowIron		Cell Coverage		Glass L1 Thickness		Glass L2 Thickness		Spacer Glass L3 Size Thickness		Spacer Glass L4 Size Thickness	
Panel Type	Shape	Area	Shape0%	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness
Non-ActiveAny	Shape0%			3	3	123	123	0%	77%	69%	21%
A1 Rectangle	92%			3	3	123	123	0%	6%	6%	29%
A2 Rectangle	61%			3	3	123	123	0%	30%	27%	27%
A3 Rectangle	61%			3	3	123	123	0%	30%	27%	27%
A4 Rectangle	31%			3	3	123	123	0%	53%	48%	24%
A5 Rectangle	31%			3	3	123	123	0%	65%	58%	22%
A6 Rectangle	15%			3	3	123	123	0%	53%	48%	24%
A7 Rectangle	31%			3	3	123	123	0%	42%	37%	25%
A8 Rectangle	46%			3	3	123	123	0%	18%	16%	28%
A21 Rectangle	76%			3	3	123	123	0%	48%	43%	24%
A22 Rectangle	38%			3	3	123	123	0%	65%	58%	22%
A23 Rectangle	15%			3	3	123	123	0%	42%	37%	25%
A24 Rectangle	46%			3	3	123	123	0%	53%	48%	24%
A25 Rectangle	31%			3	3	123	123	0%	65%	58%	22%
A26 Rectangle	15%			3	3	123	123	0%	59%	53%	23%
A27 Rectangle	23%			3	3	123	123	0%	53%	48%	24%
A31 Rectangle	31%			3	3	123	123	0%	61%	55%	23%
A32 Rectangle	20%			3	3	123	123	0%	69%	62%	22%
A33 Rectangle	10%			3	3	123	123	0%	73%	65%	21%
A34 Rectangle	5%			3	3	123	123	0%	20%	18%	28%
A41 Rectangle	74%			3	3	123	123	0%	41%	36%	25%
A42 Rectangle	47%			3	3	123	123	0%	66%	59%	22%
A43 Rectangle	14%			3	3	123	123	0%	69%	62%	22%
A44 Rectangle	10%			3	3	123	123	0%	44%	39%	25%
A45 Rectangle	43%			3	3	123	123	0%	31%	28%	26%
A46 Rectangle	60%			3	3	123	123	0%	33%	29%	26%
A51 Rectangle	57%			3	3	123	123	0%	56%	51%	23%
A52 Rectangle	27%			3	3	123	123	0%	60%	54%	23%
A53 Rectangle	22%			3	3	123	123	0%	10%	9%	29%
A54 Rectangle	67%			3	3	123	123	0%	24%	22%	27%
A55 Rectangle	69%			3	3	123	123	0%	30%	27%	27%
A56 Rectangle	61%			3	3	123	123	0%	42%	37%	25%
A11 Rectangle	46%			3	3	123	123	0%	59%	53%	23%
A12 Rectangle	23%			3	3	123	123	0%	59%	53%	23%
A13 Rectangle	23%			3	3	123	123	0%	59%	53%	23%
A14 Rectangle	23%			3	3	123	123	0%	68%	61%	22%
A15 Rectangle	11%			3	3	123	123	0%	51%	45%	24%
A16 Rectangle	34%			3	3	123	123	0%	50%	44%	24%
A17 Rectangle	36%			3	3	123	123	0%	65%	58%	22%
A18 Rectangle	15%			3	3	123	123	0%	61%	55%	23%
A19 Rectangle	20%			3	3	123	123	0%	50%	44%	24%
A20 Rectangle	36%			3	3	123	123	0%	57%	51%	23%
A21 Rectangle	15%			3	3	123	123	0%	63%	57%	23%
A22 Rectangle	20%			3	3	123	123	0%	63%	57%	23%
A23 Rectangle	36%			3	3	123	123	0%	71%	64%	22%
A24 Rectangle	36%			3	3	123	123	0%	10%	9%	29%
A25 Rectangle	58%			3	3	123	123	0%	32%	29%	26%
A26 Rectangle	58%			3	3	123	123	0%	32%	29%	26%
A27 Rectangle	52%			3	3	123	123	0%	55%	49%	24%
A28 Rectangle	52%			3	3	123	123	0%	55%	49%	24%
A29 Rectangle	51%			3	3	123	123	0%	66%	59%	22%
A30 Rectangle	51%			3	3	123	123	0%	55%	49%	24%
A31 Rectangle	52%			3	3	123	123	0%	43%	39%	25%
A32 Rectangle	54%			3	3	123	123	0%	21%	19%	28%
A33 Rectangle	57%			3	3	123	123	0%	43%	39%	25%
A34 Rectangle	54%			3	3	123	123	0%	66%	59%	22%
A35 Rectangle	51%			3	3	123	123	0%	32%	29%	26%
A36 Rectangle	52%			3	3	123	123	0%	55%	49%	24%
A37 Rectangle	52%			3	3	123	123	0%	55%	49%	24%
A38 Rectangle	51%			3	3	123	123	0%	62%	56%	23%
A39 Rectangle	51%			3	3	123	123	0%	70%	62%	22%
A40 Rectangle	51%			3	3	123	123	0%	53%	47%	24%
A41 Rectangle	53%			3	3	123	123	0%	31%	28%	26%
A42 Circle	60%			3	3	123	123	0%	46%	41%	25%
A43 Circle	40%			3	3	123	123	0%	62%	55%	23%
A44 Circle	20%			3	3	123	123	0%	17%	15%	28%
A45 Circle	78%			3	3	123	123	0%	16%	14%	28%
A46 Circle	79%			3	3	123	123	0%	44%	40%	25%
A47 Circle	42%			3	3	123	123	0%	47%	43%	24%
A48 Circle	38%			3	3	123	123	0%	27%	24%	27%
A49 Circle	65%			3	3	123	123	0%	23%	21%	27%
A50 Circle	70%			3	3	123	123	0%	33%	30%	26%
A51 Circle	57%			3	3	123	123	0%	50%	45%	24%
A52 Circle	35%			3	3	123	123	0%	29%	26%	27%
A53 Circle	63%			3	3	123	123	0%	46%	41%	25%
A54 Circle	40%			3	3	123	123	0%	61%	55%	23%
A55 Circle	20%			3	3	123	123	0%	37%	33%	26%
A56 Circle	52%			3	3	123	123	0%	51%	45%	24%
A57 Circle	34%			3	3	123	123	0%	43%	39%	25%
A58 Circle	44%			3	3	123	123	0%	36%	32%	26%
A59 Circle	54%			3	3	123	123	0%	43%	39%	25%
A60 Circle	44%			3	3	123	123	0%	42%	37%	25%
A61 Circle	46%			3	3	123	123	0%	39%	35%	25%
A62 Circle	49%			3	3	123	123	0%	49%	44%	24%
A63 Circle	36%			3	3	123	123	0%	38%	34%	26%
A64 Circle	51%			3	3	123	123	0%	50%	44%	24%
A65 Triangle	36%			3	3	123	123	0%	53%	48%	24%
A66 Triangle	31%			3	3	123	123	0%	27%	24%	27%
A67 Triangle	65%			3	3	123	123	0%	51%	46%	24%
A68 Triangle	34%			3	3	123	123	0%	49%	44%	24%
A69 Triangle	37%			3	3	123	123	0%	52%	47%	24%
A70 Triangle	33%			3	3	123	123	0%	59%	53%	23%
A71 Triangle	24%			3	3	123	123	0%	38%	34%	26%
A72 Triangle	50%			3	3	123	123	0%	37%	33%	26%
A73 Triangle	52%			3	3	123	123	0%	55%	50%	24%
A74 Triangle	28%			3	3	123	123	0%	49%	44%	24%
A75 Triangle	37%			3	3	123	123	0%	49%	44%	24%

Panel Layers			Layers				Visible				Solar Heat U-Value (BTU/hrft ²)			
LowIron-LowIron-Spacer-LowIron-Spacer-LowIron							Light Total Solar Reflectance							
Panel Type	Shape Area	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	Transmittance							
							UV Gain	Visible Light	% Transmittance	Exterior	Interior	Winter	Summer	Gain
							Nighttime	Daytime						
	C74 Triangle 47%		3	3	123	123	0%	41%	36%	25%	25%	38%	0.29	0.32 1.07
	C75 Triangle 37%		3	3	123	123	0%	49%	44%	24%	24%	45%	0.29	0.32 1.07
	C76 Triangle 41%		3	3	123	123	0%	45%	40%	25%	25%	42%	0.29	0.32 1.07
	C77 Hexagon 48%		3	3	123	123	0%	40%	36%	25%	25%	37%	0.29	0.32 1.07
	C78 Hexagon 32%		3	3	123	123	0%	52%	47%	24%	24%	49%	0.29	0.32 1.07
	C79 Hexagon 16%		3	3	123	123	0%	65%	58%	22%	22%	60%	0.29	0.32 1.07
	C81 Hexagon 68%		3	3	123	123	0%	25%	22%	27%	27%	23%	0.29	0.32 1.07
	C82 Hexagon 36%		3	3	123	123	0%	49%	44%	24%	24%	46%	0.29	0.32 1.07
	C83 Hexagon 36%		3	3	123	123	0%	49%	44%	24%	24%	46%	0.29	0.32 1.07
	C84 Hexagon 52%		3	3	123	123	0%	37%	33%	26%	26%	34%	0.29	0.32 1.07
	C85 Hexagon 22%		3	3	123	123	0%	60%	54%	23%	23%	56%	0.29	0.32 1.07
	C87 Hexagon 69%		3	3	123	123	0%	24%	21%	27%	27%	22%	0.29	0.32 1.07
	C92 Hexagon 53%		3	3	123	123	0%	36%	32%	26%	26%	34%	0.29	0.32 1.07
	C93 Hexagon 37%		3	3	123	123	0%	48%	43%	24%	24%	45%	0.29	0.32 1.07
	C94 Hexagon 10%		3	3	123	123	0%	69%	62%	22%	22%	65%	0.29	0.32 1.07
	C95 Hexagon 32%		3	3	123	123	0%	53%	47%	24%	24%	49%	0.29	0.32 1.07
	C96 Hexagon 47%		3	3	123	123	0%	41%	36%	25%	25%	38%	0.29	0.32 1.07
	C101 Parallelogram 63%		3	3	123	123	0%	28%	25%	27%	27%	27%	0.29	0.32 1.07
	C102 Parallelogram 30%		3	3	123	123	0%	54%	48%	24%	24%	50%	0.29	0.32 1.07
	C103 Parallelogram 37%		3	3	123	123	0%	49%	44%	24%	24%	46%	0.29	0.32 1.07
	C104 Parallelogram 32%		3	3	123	123	0%	53%	47%	24%	24%	49%	0.29	0.32 1.07
	C105 Parallelogram 23%		3	3	123	123	0%	59%	53%	23%	23%	55%	0.29	0.32 1.07
	C106 Parallelogram 50%		3	3	123	123	0%	39%	35%	25%	25%	36%	0.29	0.32 1.07
	C111 Parallelogram 53%		3	3	123	123	0%	36%	32%	26%	26%	34%	0.29	0.32 1.07
	C112 Parallelogram 40%		3	3	123	123	0%	46%	41%	25%	25%	43%	0.29	0.32 1.07
	C113 Parallelogram 43%		3	3	123	123	0%	44%	39%	25%	25%	41%	0.29	0.32 1.07
	C114 Parallelogram 27%		3	3	123	123	0%	57%	51%	23%	23%	53%	0.29	0.32 1.07
	C115 Parallelogram 40%				123		0%	46%	41%	25%	25%	43%	0.29	0.32 1.07
	C116 Parallelogram 27%				123		0%	57%	51%	23%	23%	53%	0.29	0.32 1.07

Panel Layers		Layers				Visible Light Transmittance				Solar Heat U-Value (BTU/hrft ²)		Light to	
LowIron-LowIron-Spacer-LowIron-Spacer-LowIron		Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	UV % Transmittance	Visible % Transmittance	Total Solar Reflectance	Exterior Coefficient	Interior Coefficient	Winter	Summer Gain
Panel Type	Shape	Area					Nighttime	Daytime					
Non-Active	Any	Shape0%											
A1	Rectangle	92%											
	A2	Rectangle 61%			124	124	1%	77%	68%	21%	21%	71%	0.28 0.32 1.08
	A3	Rectangle 61%			124	124	0%	6%	6%	29%	29%	6%	0.28 0.32 1.08
	A4	Rectangle 31%			124	124	0%	30%	26%	27%	27%	28%	0.28 0.32 1.08
	A5	Rectangle 31%			124	124	1%	53%	47%	24%	24%	49%	0.28 0.32 1.08
	A6	Rectangle 15%			124	124	1%	53%	47%	24%	24%	49%	0.28 0.32 1.08
	A7	Rectangle 31%			124	124	1%	65%	58%	22%	22%	60%	0.28 0.32 1.08
	A8	Rectangle 46%			124	124	1%	53%	47%	24%	24%	49%	0.28 0.32 1.08
	A9	Rectangle 76%			124	124	1%	42%	37%	25%	25%	38%	0.28 0.32 1.08
	A10	Rectangle 38%			124	124	0%	18%	16%	28%	28%	17%	0.28 0.32 1.08
	A11	Rectangle 15%			124	124	1%	48%	42%	24%	24%	44%	0.28 0.32 1.08
	A12	Rectangle 46%			124	124	1%	65%	58%	22%	22%	60%	0.28 0.32 1.08
	A13	Rectangle 31%			124	124	1%	42%	37%	25%	25%	38%	0.28 0.32 1.08
	A14	Rectangle 31%			124	124	1%	53%	47%	24%	24%	49%	0.28 0.32 1.08
	A15	Rectangle 15%			124	124	1%	65%	58%	22%	22%	60%	0.28 0.32 1.08
	A16	Rectangle 23%			124	124	1%	58%	52%	23%	23%	55%	0.28 0.32 1.08
	A17	Rectangle 31%			124	124	1%	53%	47%	24%	24%	49%	0.28 0.32 1.08
	A18	Rectangle 20%			124	124	1%	61%	54%	23%	23%	57%	0.28 0.32 1.08
	A19	Rectangle 10%			124	124	1%	69%	61%	22%	22%	64%	0.28 0.32 1.08
	A20	Rectangle 5%			124	124	1%	73%	65%	21%	21%	67%	0.28 0.32 1.08
	A21	Rectangle 74%			124	124	0%	20%	18%	28%	28%	19%	0.28 0.32 1.08
	A22	Rectangle 47%			124	124	1%	41%	36%	25%	25%	38%	0.28 0.32 1.08
	A23	Rectangle 14%			124	124	1%	66%	58%	22%	22%	61%	0.28 0.32 1.08
	A24	Rectangle 10%			124	124	1%	69%	61%	22%	22%	64%	0.28 0.32 1.08
	A25	Rectangle 43%			124	124	1%	44%	39%	25%	25%	40%	0.28 0.32 1.08
	A26	Rectangle 60%			124	124	0%	31%	27%	26%	26%	28%	0.28 0.32 1.08
	A27	Rectangle 57%			124	124	0%	33%	29%	26%	26%	30%	0.28 0.32 1.08
	A28	Rectangle 72%			124	124	1%	56%	50%	23%	23%	52%	0.28 0.32 1.08
	A29	Rectangle 22%			124	124	1%	60%	53%	23%	23%	56%	0.28 0.32 1.08
	A30	Rectangle 87%			124	124	0%	10%	9%	29%	29%	9%	0.28 0.32 1.08
	A31	Rectangle 69%			124	124	0%	24%	21%	27%	27%	22%	0.28 0.32 1.08
	A32	Rectangle 61%			124	124	0%	30%	26%	27%	27%	28%	0.28 0.32 1.08
	A33	Rectangle 46%			124	124	1%	42%	37%	25%	25%	38%	0.28 0.32 1.08
	A34	Rectangle 23%			124	124	1%	59%	52%	23%	23%	55%	0.28 0.32 1.08
	A35	Rectangle 23%			124	124	1%	59%	52%	23%	23%	55%	0.28 0.32 1.08
	A36	Rectangle 23%			124	124	1%	59%	52%	23%	23%	55%	0.28 0.32 1.08
	A37	Rectangle 11%			124	124	1%	68%	60%	22%	22%	63%	0.28 0.32 1.08
	A38	Rectangle 34%			124	124	1%	51%	45%	24%	24%	47%	0.28 0.32 1.08
	A39	Rectangle 36%			124	124	1%	56%	44%	24%	24%	46%	0.28 0.32 1.08
	A40	Rectangle 15%			124	124	1%	65%	58%	22%	22%	60%	0.28 0.32 1.08
	A41	Rectangle 20%			124	124	1%	61%	54%	23%	23%	57%	0.28 0.32 1.08
	A42	Rectangle 36%			124	124	1%	50%	44%	24%	24%	46%	0.28 0.32 1.08
	A43	Rectangle 25%			124	124	1%	57%	51%	23%	23%	53%	0.28 0.32 1.08
	A44	Rectangle 18%			124	124	1%	63%	56%	23%	23%	58%	0.28 0.32 1.08
	A45	Rectangle 8%			124	124	1%	71%	63%	22%	22%	66%	0.28 0.32 1.08
	A46	Rectangle 587%			124	124	0%	10%	9%	29%	29%	9%	0.28 0.32 1.08
	B1	Rectangle-Half 587%			124	124	0%	32%	28%	26%	26%	30%	0.28 0.32 1.08
	B2	Rectangle-Half 558%			124	124	0%	32%	28%	26%	26%	30%	0.28 0.32 1.08
	B3	Rectangle-Half 558%			124	124	1%	55%	48%	24%	24%	50%	0.28 0.32 1.08
	B4	Rectangle-Half 529%			124	124	1%	55%	48%	24%	24%	50%	0.28 0.32 1.08
	B5	Rectangle-Half 529%			124	124	1%	66%	58%	22%	22%	61%	0.28 0.32 1.08
	B6	Rectangle-Half 515%			124	124	1%	55%	48%	24%	24%	50%	0.28 0.32 1.08
	B7	Rectangle-Half 529%			124	124	1%	43%	38%	25%	25%	40%	0.28 0.32 1.08
	B8	Rectangle-Half 544%			124	124	0%	21%	18%	28%	28%	19%	0.28 0.32 1.08
	B9	Rectangle-Half 573%			124	124	1%	43%	38%	25%	25%	40%	0.28 0.32 1.08
	B10	Rectangle-Half 544%			124	124	1%	66%	58%	22%	22%	61%	0.28 0.32 1.08
	B11	Rectangle-Half 515%			124	124	0%	32%	28%	26%	26%	30%	0.28 0.32 1.08
	B12	Rectangle-Half 558%			124	124	1%	55%	48%	24%	24%	50%	0.28 0.32 1.08
	B13	Rectangle-Half 529%			124	124	1%	43%	38%	25%	25%	40%	0.28 0.32 1.08
	B14	Rectangle-Half 544%			124	124	1%	47%	42%	24%	24%	43%	0.28 0.32 1.08
	B15	Rectangle-Half 539%			124	124	1%	62%	55%	23%	23%	57%	0.28 0.32 1.08
	B16	Rectangle-Half 519%			124	124	1%	47%	42%	24%	24%	43%	0.28 0.32 1.08
	B17	Rectangle-Half 539%			124	124	1%	62%	55%	23%	23%	57%	0.28 0.32 1.08
	B18	Rectangle-Half 519%			124	124	1%	70%	61%	22%	22%	64%	0.28 0.32 1.08
	B19	Rectangle-Half 510%			124	124	1%	53%	47%	24%	24%	49%	0.28 0.32 1.08
	B20	Rectangle-Half 532%			124	124	0%	31%	27%	26%	26%	28%	0.28 0.32 1.08
	C1	Circle 60%			124	124	1%	46%	41%	25%	25%	43%	0.28 0.32 1.08
	C2	Circle 76%			124	124	1%	62%	54%	23%	23%	57%	0.28 0.32 1.08
	C3	Circle 99%			124	124	0%	17%	15%	28%	28%	15%	0.28 0.32 1.08
	C4	Circle 42%			124	124	0%	16%	14%	28%	28%	15%	0.28 0.32 1.08
	C5	Circle 58%			124	124	1%	44%	39%	25%	25%	41%	0.28 0.32 1.08
	C6	Circle 69%			124	124	1%	47%	42%	24%	24%	44%	0.28 0.32 1.08
	C7	Circle 70%			124	124	0%	27%	24%	27%	27%	25%	0.28 0.32 1.08
	C8	Circle 57%			124	124	0%	23%	20%	27%	27%	21%	0.28 0.32 1.08
	C9	Circle 35%			124	124	0%	33%	29%	26%	26%	30%	0.28 0.32 1.08
	C10	Circle 63%			124	124	1%	50%	44%	24%	24%	46%	0.28 0.32 1.08
	C11	Circle 40%			124	124	0%	29%	25%	27%	27%	26%	0.28 0.32 1.08
	C12	Circle 20%			124	124	1%	46%	41%	25%	25%	43%	0.28 0.32 1.08
	C13	Circle 20%			124	124	1%	61%	54%	23%	23%	57%	0.28 0.32 1.08
	C14	Circle 20%			124	124	0%	37%	33%	26%	26%	34%	0.28 0.32 1.08
	C15	Circle 52%			124	124	1%	51%	45%	24%	24%	47%	0.28 0.32 1.08
	C16	Circle 34%			124	124	1%	43%	38%	25%	25%	40%	0.28 0.32 1.08
	C17	Circle 46%			124	124	1%	36%	31%	26%	26%	33%	0.28 0.32 1.08
	C18	Circle 54%			124	124	1%	43%	38%	25%	25%	40%	0.28 0.32 1.08
	C19	Circle 46%			124	124	1%	42%	37%	25%	25%	39%	0.28 0.32 1.08
	C20	Circle 49%			124	124	1%	39%	35%	25%	25%	36%	0.28 0.32 1.08
	C21	Circle 36%			124	124	1%	49%	44%	24%	24%	46%	0.28 0.32 1.08
	C22	Circle 51%			124	124	0%	38%	33%	26%	26%	35%	0.28 0.32 1.08
	C23	Triangle 36%			124	124	1%	50%	44%	24%	24%	46%	0.28 0.32 1.08
	C24	Triangle 31%			124	124	1%	53%	47%	24%	24%	49%	0.28 0.32 1.08
	C25	Triangle 65%			124	124	0%	27%	24%	27%	27%	25%	0.28 0.32 1.08
	C26	Triangle 34%			124	124	1%	51%	45%	24%	24%	47%	0.28 0.32 1.08
	C27	Triangle 37%			124	124	1%	49%	43%	24%	24%	45%	0.28 0.32 1.08
	C28	Triangle 33%			124	124	1%	52%	46%	24%	24%	48%	0.28 0.32 1.08
	C29	Triangle 24%			124	124	1%	59%	52%	23%	23%	54%	0.28 0.32 1.08
	C30	Triangle 50%			124	124	0%	38%	34%	26%	26%	35%	0.28 0.32 1.08
	C31	Triangle 52%			124	124	0%	37%	33%	26%	26%	34%	0.28 0.32 1.08
	C32	Triangle 28%			124	124	1%	55%	49%	24%	24%	51%	0.28 0.32 1.08
	C33	Triangle 37%			124	124	1%	49%	43%	24%	24%	45%	0.28 0.32 1.08

Panel Layers			Layers				Visible				Solar Heat U-Value (BTU/hrft2F)		Light to		
LowIron-LowIron-Spacer-LowIron-Spacer-LowIron							UV Visible Light Total Solar Reflectance								
Panel Type	Shape Area	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	Gain Solar	% Transmittance	Exterior	Interior	Coefficient	Winter	Summer	Gain	
															Daytime
	C74 Triangle 47%		4	4	124	124	1%	41%	36%	25%	25%	37%	0.28	0.32	1.08
	C75 Triangle 37%		4	4	124	124	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	C76 Triangle 41%		4	4	124	124	1%	45%	40%	25%	25%	42%	0.28	0.32	1.08
	C77 Hexagon 48%		4	4	124	124	1%	40%	35%	25%	25%	37%	0.28	0.32	1.08
	C78 Hexagon 32%		4	4	124	124	1%	52%	46%	24%	24%	48%	0.28	0.32	1.08
	C79 Hexagon 16%		4	4	124	124	1%	65%	57%	22%	22%	60%	0.28	0.32	1.08
	C81 Hexagon 68%		4	4	124	124	0%	25%	22%	27%	27%	23%	0.28	0.32	1.08
	C82 Hexagon 36%		4	4	124	124	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	C83 Hexagon 36%		4	4	124	124	1%	49%	43%	24%	24%	45%	0.28	0.32	1.08
	C84 Hexagon 52%		4	4	124	124	0%	37%	32%	26%	26%	34%	0.28	0.32	1.08
	C85 Hexagon 22%		4	4	124	124	1%	60%	53%	23%	23%	56%	0.28	0.32	1.08
	C91 Hexagon 63%		4	4	124	124	0%	24%	21%	27%	27%	22%	0.28	0.32	1.08
	C92 Hexagon 53%				124		0%	36%	32%	26%	26%	33%	0.28	0.32	1.08

Panel Layers		Layers				Visible		Total Solar Reflectance		Solar Heat U-Value (BTU/hrft ²)		Light to		
Lowiron-Lowiron-Spacer-Lowiron-Spacer-Lowiron		Cell Coverage		Glass L1 Thickness		Glass L2 Thickness		Spacer Glass L3 Size Thickness		Spacer Glass L4 Size Thickness		Visible Light Transmittance		
Panel Type	Shape	Area	Shape	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Thickness	Daytime	Nighttime	
Non-Active	Any	Shape0%		6	6	126	126	0%	77%	66%	21%	21%	70%	0.28 0.32 1.10
A1	Rectangle	92%		6	6	126	126	0%	6%	5%	29%	29%	6%	0.28 0.32 1.10
	A2	Rectangle	61%	6	6	126	126	0%	30%	26%	27%	27%	27%	0.28 0.32 1.10
	A3	Rectangle	61%	6	6	126	126	0%	30%	26%	27%	27%	27%	0.28 0.32 1.10
	A4	Rectangle	31%	6	6	126	126	0%	53%	46%	24%	24%	49%	0.28 0.32 1.10
	A5	Rectangle	31%	6	6	126	126	0%	53%	46%	24%	24%	49%	0.28 0.32 1.10
	A6	Rectangle	15%	6	6	126	126	0%	65%	56%	22%	22%	59%	0.28 0.32 1.10
	A7	Rectangle	31%	6	6	126	126	0%	53%	46%	24%	24%	49%	0.28 0.32 1.10
	A8	Rectangle	46%	6	6	126	126	0%	42%	36%	25%	25%	38%	0.28 0.32 1.10
	A21	Rectangle	76%	6	6	126	126	0%	18%	16%	28%	28%	16%	0.28 0.32 1.10
	A22	Rectangle	38%	6	6	126	126	0%	48%	41%	24%	24%	43%	0.28 0.32 1.10
	A23	Rectangle	15%	6	6	126	126	0%	65%	56%	22%	22%	59%	0.28 0.32 1.10
	A24	Rectangle	46%	6	6	126	126	0%	42%	36%	25%	25%	38%	0.28 0.32 1.10
	A25	Rectangle	31%	6	6	126	126	0%	53%	46%	24%	24%	49%	0.28 0.32 1.10
	A26	Rectangle	15%	6	6	126	126	0%	65%	56%	22%	22%	59%	0.28 0.32 1.10
	A27	Rectangle	23%	6	6	126	126	0%	59%	51%	23%	23%	54%	0.28 0.32 1.10
	A31	Rectangle	31%	6	6	126	126	0%	53%	46%	24%	24%	49%	0.28 0.32 1.10
	A32	Rectangle	20%	6	6	126	126	0%	61%	53%	23%	23%	56%	0.28 0.32 1.10
	A33	Rectangle	10%	6	6	126	126	0%	69%	59%	22%	22%	63%	0.28 0.32 1.10
	A34	Rectangle	5%	6	6	126	126	0%	73%	63%	21%	21%	66%	0.28 0.32 1.10
	A41	Rectangle	74%	6	6	126	126	0%	20%	17%	28%	28%	18%	0.28 0.32 1.10
	A42	Rectangle	47%	6	6	126	126	0%	41%	35%	25%	25%	37%	0.28 0.32 1.10
	A43	Rectangle	14%	6	6	126	126	0%	66%	57%	22%	22%	60%	0.28 0.32 1.10
	A44	Rectangle	10%	6	6	126	126	0%	69%	59%	22%	22%	63%	0.28 0.32 1.10
	A45	Rectangle	43%	6	6	126	126	0%	44%	37%	25%	25%	40%	0.28 0.32 1.10
	A46	Rectangle	60%	6	6	126	126	0%	31%	26%	26%	26%	28%	0.28 0.32 1.10
	A51	Rectangle	57%	6	6	126	126	0%	33%	28%	26%	26%	30%	0.28 0.32 1.10
	A52	Rectangle	27%	6	6	126	126	0%	56%	48%	23%	23%	51%	0.28 0.32 1.10
	A53	Rectangle	22%	6	6	126	126	0%	60%	52%	23%	23%	55%	0.28 0.32 1.10
	A54	Rectangle	67%	6	6	126	126	0%	10%	9%	29%	29%	9%	0.28 0.32 1.10
	A55	Rectangle	69%	6	6	126	126	0%	24%	21%	27%	27%	22%	0.28 0.32 1.10
	A56	Rectangle	67%	6	6	126	126	0%	30%	26%	27%	27%	27%	0.28 0.32 1.10
	A11	Rectangle	46%	6	6	126	126	0%	42%	36%	25%	25%	38%	0.28 0.32 1.10
	A12	Rectangle	23%	6	6	126	126	0%	59%	51%	23%	23%	54%	0.28 0.32 1.10
	A13	Rectangle	23%	6	6	126	126	0%	59%	51%	23%	23%	54%	0.28 0.32 1.10
	A14	Rectangle	23%	6	6	126	126	0%	59%	51%	23%	23%	54%	0.28 0.32 1.10
	A15	Rectangle	11%	6	6	126	126	0%	68%	58%	22%	22%	62%	0.28 0.32 1.10
	A16	Rectangle	34%	6	6	126	126	0%	51%	43%	24%	24%	46%	0.28 0.32 1.10
	A17	Rectangle	36%	6	6	126	126	0%	50%	42%	24%	24%	45%	0.28 0.32 1.10
	A122	Rectangle	15%	6	6	126	126	0%	65%	56%	22%	22%	59%	0.28 0.32 1.10
	A123	Rectangle	20%	6	6	126	126	0%	61%	53%	23%	23%	56%	0.28 0.32 1.10
	A124	Rectangle	36%	6	6	126	126	0%	50%	42%	24%	24%	45%	0.28 0.32 1.10
	A125	Rectangle	25%	6	6	126	126	0%	57%	49%	23%	23%	52%	0.28 0.32 1.10
	A126	Rectangle	18%	6	6	126	126	0%	63%	54%	23%	23%	58%	0.28 0.32 1.10
	A127	Rectangle	18%	6	6	126	126	0%	63%	54%	23%	23%	58%	0.28 0.32 1.10
	A128	Rectangle	8%	6	6	126	126	0%	71%	61%	22%	22%	65%	0.28 0.32 1.10
B1	Rectangle-Half	587%		6	6	126	126	0%	10%	8%	29%	29%	9%	0.28 0.32 1.10
	B2	Rectangle-Half	558%	6	6	126	126	0%	32%	28%	26%	26%	29%	0.28 0.32 1.10
	B3	Rectangle-Half	558%	6	6	126	126	0%	32%	28%	26%	26%	29%	0.28 0.32 1.10
	B4	Rectangle-Half	529%	6	6	126	126	0%	55%	47%	24%	24%	50%	0.28 0.32 1.10
	B5	Rectangle-Half	529%	6	6	126	126	0%	55%	47%	24%	24%	50%	0.28 0.32 1.10
	B6	Rectangle-Half	515%	6	6	126	126	0%	66%	56%	22%	22%	60%	0.28 0.32 1.10
	B7	Rectangle-Half	529%	6	6	126	126	0%	55%	47%	24%	24%	50%	0.28 0.32 1.10
	B8	Rectangle-Half	544%	6	6	126	126	0%	43%	37%	25%	25%	39%	0.28 0.32 1.10
	B21	Rectangle-Half	573%	6	6	126	126	0%	21%	18%	28%	28%	19%	0.28 0.32 1.10
	B22	Rectangle-Half	544%	6	6	126	126	0%	43%	37%	25%	25%	39%	0.28 0.32 1.10
	B23	Rectangle-Half	515%	6	6	126	126	0%	66%	56%	22%	22%	60%	0.28 0.32 1.10
	B24	Rectangle-Half	558%	6	6	126	126	0%	32%	28%	26%	26%	29%	0.28 0.32 1.10
	B25	Rectangle-Half	529%	6	6	126	126	0%	55%	47%	24%	24%	50%	0.28 0.32 1.10
	B26	Rectangle-Half	544%	6	6	126	126	0%	43%	37%	25%	25%	39%	0.28 0.32 1.10
	B31	Rectangle-Half	539%	6	6	126	126	0%	47%	40%	24%	24%	43%	0.28 0.32 1.10
	B32	Rectangle-Half	519%	6	6	126	126	0%	62%	53%	23%	23%	56%	0.28 0.32 1.10
	B33	Rectangle-Half	539%	6	6	126	126	0%	47%	40%	24%	24%	43%	0.28 0.32 1.10
	B34	Rectangle-Half	519%	6	6	126	126	0%	62%	53%	23%	23%	56%	0.28 0.32 1.10
	B35	Rectangle-Half	510%	6	6	126	126	0%	70%	60%	22%	22%	63%	0.28 0.32 1.10
	B36	Rectangle-Half	532%	6	6	126	126	0%	53%	45%	24%	24%	48%	0.28 0.32 1.10
	C11	Circle	60%	6	6	126	126	0%	31%	26%	26%	26%	28%	0.28 0.32 1.10
	C12	Circle	40%	6	6	126	126	0%	46%	40%	25%	25%	42%	0.28 0.32 1.10
	C13	Circle	20%	6	6	126	126	0%	62%	53%	23%	23%	56%	0.28 0.32 1.10
	C21	Circle	78%	6	6	126	126	0%	17%	14%	28%	28%	15%	0.28 0.32 1.10
	C22	Circle	79%	6	6	126	126	0%	16%	14%	28%	28%	15%	0.28 0.32 1.10
	C23	Circle	42%	6	6	126	126	0%	44%	38%	25%	25%	40%	0.28 0.32 1.10
	C24	Circle	38%	6	6	126	126	0%	47%	41%	24%	24%	43%	0.28 0.32 1.10
	C25	Circle	65%	6	6	126	126	0%	27%	23%	27%	27%	24%	0.28 0.32 1.10
	C31	Circle	70%	6	6	126	126	0%	23%	20%	27%	27%	21%	0.28 0.32 1.10
	C32	Circle	57%	6	6	126	126	0%	33%	28%	26%	26%	30%	0.28 0.32 1.10
	C33	Circle	35%	6	6	126	126	0%	50%	43%	24%	24%	45%	0.28 0.32 1.10
	C34	Circle	63%	6	6	126	126	0%	29%	25%	27%	27%	26%	0.28 0.32 1.10
	C35	Circle	40%	6	6	126	126	0%	46%	40%	25%	25%	42%	0.28 0.32 1.10
	C36	Circle	20%	6	6	126	126	0%	61%	53%	23%	23%	56%	0.28 0.32 1.10
	C41	Circle	52%	6	6	126	126	0%	37%	32%	26%	26%	33%	0.28 0.32 1.10
	C42	Circle	34%	6	6	126	126	0%	51%	43%	24%	24%	46%	0.28 0.32 1.10
	C43	Circle	44%	6	6	126	126	0%	43%	37%	25%	25%	39%	0.28 0.32 1.10
	C51	Circle	54%	6	6	126	126	0%	36%	30%	26%	26%	32%	0.28 0.32 1.10
	C52	Circle	44%	6	6	126	126	0%	43%	37%	25%	25%	39%	0.28 0.32 1.10
	C53	Circle	46%	6	6	126	126	0%	42%	36%	25%	25%	38%	0.28 0.32 1.10
	C54	Circle	40%	6	6	126	126	0%	39%	34%	25%	25%	36%	0.28 0.32 1.10
	C55	Circle	36%	6	6	126	126	0%	49%	42%	24%	24%	45%	0.28 0.32 1.10
	C16	Triangle	51%	6	6	126	126	0%	38%	32%	26%	26%	34%	0.28 0.32 1.10
	C15	Triangle	36%	6	6	126	126	0%	50%	42%	24%	24%	45%	0.28 0.32 1.10
	C16	Triangle	31%	6	6	126	126	0%	53%	46%	24%	24%	49%	0.28 0.32 1.10
	C61	Triangle	65%	6	6	126	126	0%	27%	23%	27%	27%	24%	0.28 0.32 1.10
	C62	Triangle	34%	6	6	126	126	0%	51%	44%	24%	24%	46%	0.28 0.32 1.10
	C63	Triangle	37%	6	6	126	126	0%	49%	42%	24%	24%	44%	0.28 0.32 1.10
	C64	Triangle	33%	6	6	126	126	0%	52%	45%	24%	24%	47%	0.28 0.32 1.10
	C65	Triangle	24%	6	6	126	126	0%	59%	50%	23%	23%	53%	0.28 0.32 1.10
	C66	Triangle	50%	6	6	126	126	0%	38%	33%	26%	26%	35%	0.28 0.32 1.10
	C71	Triangle	52%	6	6	126	126	0%	37%	32%	26%	26%	34%	0.28 0.32 1.10
	C72	Triangle	28%	6	6	126	126	0%	55%	47%	24%	24%	50%	0.28 0.32 1.10
	C73	Triangle	37%	6	6	126	126	0%	49%	42%	24%	24%	44%	0.28 0.32

Panel Layers			Layers				Visible Light Total Solar Reflectance				Solar Heat U-Value (BTU/hrft2F)				Light to
LowIron-LowIron-Spacer-LowIron-Spacer-LowIron															
Panel Type	Shape	Area	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	
				Thickness	Thickness	Size Thickness	Size Thickness	Nighttime	Daytime	Winter	Summer	Gain	Gain	Gain	
	C74 Triangle	47%		6	6	126	126	0%	41%	35%	25%	25%	37%	0.28 0.32 1.10	
	C75 Triangle	37%		6	6	126	126	0%	49%	42%	24%	24%	44%	0.28 0.32 1.10	
	C76 Triangle	41%		6	6	126	126	0%	45%	39%	25%	25%	41%	0.28 0.32 1.10	
	C17 Hexagon	48%		6	6	126	126	0%	40%	34%	25%	25%	36%	0.28 0.32 1.10	
	C18 Hexagon	32%		6	6	126	126	0%	52%	45%	24%	24%	47%	0.28 0.32 1.10	
	C19 Hexagon	16%		6	6	126	126	0%	65%	55%	22%	22%	59%	0.28 0.32 1.10	
	C81 Hexagon	66%		6	6	126	126	0%	25%	21%	27%	27%	22%	0.28 0.32 1.10	
	C82 Hexagon	36%		6	6	126	126	0%	49%	42%	24%	24%	44%	0.28 0.32 1.10	
	C83 Hexagon	36%		6	6	126	126	0%	49%	42%	24%	24%	44%	0.28 0.32 1.10	
	C84 Hexagon	52%		6	6	126	126	0%	37%	32%	26%	26%	33%	0.28 0.32 1.10	
	C85 Hexagon	72%		6	6	126	126	0%	60%	52%	23%	23%	55%	0.28 0.32 1.10	
	C81 Hexagon	69%		6	6	126	126	0%	24%	20%	27%	27%	22%	0.28 0.32 1.10	
	C82 Hexagon	53%		6	6	126	126	0%	36%	31%	26%	26%	33%	0.28 0.32 1.10	
	C83 Hexagon	37%		6	6	126	126	0%	48%	41%	24%	24%	44%	0.28 0.32 1.10	
	C84 Hexagon	10%		6	6	126	126	0%	69%	59%	22%	22%	63%	0.28 0.32 1.10	
	C85 Hexagon	32%		6	6	126	126	0%	53%	45%	24%	24%	48%	0.28 0.32 1.10	
	C96 Hexagon	47%		6	6	126	126	0%	41%	35%	25%	25%	37%	0.28 0.32 1.10	
	C101 Parallelogram	63%		6	6	126	126	0%	28%	24%	27%	27%	26%	0.28 0.32 1.10	
	C102 Parallelogram	30%		6	6	126	126	0%	54%	46%	24%	24%	49%	0.28 0.32 1.10	
	C103 Parallelogram	37%		6	6	126	126	0%	49%	42%	24%	24%	44%	0.28 0.32 1.10	
	C104 Parallelogram	32%		6	6	126	126	0%	53%	45%	24%	24%	48%	0.28 0.32 1.10	
	C105 Parallelogram	23%		6	6	126	126	0%	59%	51%	23%	23%	54%	0.28 0.32 1.10	
	C106 Parallelogram	50%		6	6	126	126	0%	39%	33%	25%	25%	35%	0.28 0.32 1.10	
	C111 Parallelogram	53%		6	6	126	126	0%	36%	31%	26%	26%	33%	0.28 0.32 1.10	
	C112 Parallelogram	40%		6	6	126	126	0%	46%	40%	25%	25%	42%	0.28 0.32 1.10	
	C113 Parallelogram	43%		6	6	126	126	0%	44%	37%	25%	25%	40%	0.28 0.32 1.10	
	C114 Parallelogram	27%		6	6	126	126	0%	57%	48%	23%	23%	51%	0.28 0.32 1.10	
	C115 Parallelogram	40%		6	6	126	126	0%	46%	40%	25%	25%	42%	0.28 0.32 1.10	
	C116 Parallelogram	27%		6	6	126	126	0%	57%	48%	23%	23%	51%	0.28 0.32 1.10	

Panel Layers		Layers				Visible Light Total Solar Reflectance					Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-LowEClear-Spacer-LowEClear		Cell Coverage		Glass L1 Thickness		Glass L2 Thickness		Spacer Glass L3 Size Thickness		Spacer Glass L4 Size Thickness		Solar Heat U-Value (BTU/hrft ² F)		
Panel TypeShape Area														
Non-ActiveAny Shape0%				3	3	123	123					0% 59% 25% 15% 13% 39% 0.12 0.12 1.51		
A1 Rectangle 92%				3	3	123	123					0% 59% 25% 15% 13% 39% 0.12 0.12 1.51		
A2 Rectangle 61%				3	3	123	123					0% 23% 10% 24% 23% 15% 0.12 0.12 1.51		
A3 Rectangle 61%				3	3	123	123					0% 23% 10% 24% 23% 15% 0.12 0.12 1.51		
A4 Rectangle 31%				3	3	123	123					0% 41% 17% 20% 18% 27% 0.12 0.12 1.51		
A5 Rectangle 31%				3	3	123	123					0% 41% 17% 20% 18% 27% 0.12 0.12 1.51		
A6 Rectangle 15%				3	3	123	123					0% 50% 21% 17% 16% 33% 0.12 0.12 1.51		
A7 Rectangle 31%				3	3	123	123					0% 41% 17% 20% 18% 27% 0.12 0.12 1.51		
A8 Rectangle 46%				3	3	123	123					0% 32% 14% 22% 21% 21% 0.12 0.12 1.51		
A21 Rectangle 76%				3	3	123	123					0% 16% 6% 26% 26% 9% 0.12 0.12 1.51		
A22 Rectangle 38%				3	3	123	123					0% 36% 15% 21% 19% 24% 0.12 0.12 1.51		
A23 Rectangle 15%				3	3	123	123					0% 50% 21% 17% 16% 33% 0.12 0.12 1.51		
A24 Rectangle 46%				3	3	123	123					0% 32% 14% 22% 21% 21% 0.12 0.12 1.51		
A25 Rectangle 31%				3	3	123	123					0% 41% 17% 20% 18% 27% 0.12 0.12 1.51		
A26 Rectangle 15%				3	3	123	123					0% 50% 21% 17% 16% 33% 0.12 0.12 1.51		
A27 Rectangle 23%				3	3	123	123					0% 45% 19% 18% 17% 30% 0.12 0.12 1.51		
A31 Rectangle 31%				3	3	123	123					0% 41% 17% 20% 18% 27% 0.12 0.12 1.51		
A32 Rectangle 20%				3	3	123	123					0% 53% 22% 17% 15% 35% 0.12 0.12 1.51		
A33 Rectangle 10%				3	3	123	123					0% 56% 24% 16% 14% 37% 0.12 0.12 1.51		
A34 Rectangle 5%				3	3	123	123					0% 15% 7% 26% 26% 10% 0.12 0.12 1.51		
A41 Rectangle 74%				3	3	123	123					0% 31% 13% 22% 21% 21% 0.12 0.12 1.51		
A42 Rectangle 47%				3	3	123	123					0% 51% 21% 17% 15% 34% 0.12 0.12 1.51		
A43 Rectangle 14%				3	3	123	123					0% 53% 22% 17% 15% 35% 0.12 0.12 1.51		
A44 Rectangle 10%				3	3	123	123					0% 33% 14% 21% 20% 22% 0.12 0.12 1.51		
A45 Rectangle 43%				3	3	123	123					0% 24% 10% 24% 23% 16% 0.12 0.12 1.51		
A46 Rectangle 60%				3	3	123	123					0% 25% 11% 24% 23% 17% 0.12 0.12 1.51		
A51 Rectangle 57%				3	3	123	123					0% 43% 18% 19% 18% 29% 0.12 0.12 1.51		
A52 Rectangle 27%				3	3	123	123					0% 46% 20% 18% 17% 31% 0.12 0.12 1.51		
A53 Rectangle 22%				3	3	123	123					0% 8% 3% 28% 28% 5% 0.12 0.12 1.51		
A54 Rectangle 87%				3	3	123	123					0% 18% 8% 25% 25% 12% 0.12 0.12 1.51		
A55 Rectangle 69%				3	3	123	123					0% 23% 10% 24% 23% 15% 0.12 0.12 1.51		
A56 Rectangle 61%				3	3	123	123					0% 32% 14% 22% 21% 21% 0.12 0.12 1.51		
A111 Rectangle 46%				3	3	123	123					0% 45% 19% 18% 17% 30% 0.12 0.12 1.51		
A112 Rectangle 23%				3	3	123	123					0% 45% 19% 18% 17% 30% 0.12 0.12 1.51		
A113 Rectangle 23%				3	3	123	123					0% 45% 19% 18% 17% 30% 0.12 0.12 1.51		
A114 Rectangle 23%				3	3	123	123					0% 52% 22% 17% 15% 35% 0.12 0.12 1.51		
A115 Rectangle 11%				3	3	123	123					0% 39% 16% 20% 19% 26% 0.12 0.12 1.51		
A116 Rectangle 34%				3	3	123	123					0% 38% 16% 20% 19% 25% 0.12 0.12 1.51		
A121 Rectangle 36%				3	3	123	123					0% 50% 21% 17% 16% 33% 0.12 0.12 1.51		
A122 Rectangle 15%				3	3	123	123					0% 47% 20% 18% 16% 31% 0.12 0.12 1.51		
A123 Rectangle 20%				3	3	123	123					0% 38% 16% 20% 19% 25% 0.12 0.12 1.51		
A124 Rectangle 36%				3	3	123	123					0% 44% 19% 19% 17% 29% 0.12 0.12 1.51		
A125 Rectangle 25%				3	3	123	123					0% 48% 21% 18% 16% 32% 0.12 0.12 1.51		
A126 Rectangle 18%				3	3	123	123					0% 48% 21% 18% 16% 32% 0.12 0.12 1.51		
A127 Rectangle 18%				3	3	123	123					0% 54% 23% 16% 14% 36% 0.12 0.12 1.51		
A128 Rectangle 8%				3	3	123	123					0% 7% 3% 28% 28% 5% 0.12 0.12 1.51		
B1Rectangle-Half 587%				3	3	123	123					0% 26% 10% 24% 23% 16% 0.12 0.12 1.51		
B2Rectangle-Half 558%				3	3	123	123					0% 25% 10% 24% 23% 16% 0.12 0.12 1.51		
B3Rectangle-Half 558%				3	3	123	123					0% 42% 18% 19% 18% 28% 0.12 0.12 1.51		
B4Rectangle-Half 529%				3	3	123	123					0% 42% 18% 19% 18% 28% 0.12 0.12 1.51		
B5Rectangle-Half 529%				3	3	123	123					0% 50% 21% 17% 15% 33% 0.12 0.12 1.51		
B6Rectangle-Half 515%				3	3	123	123					0% 42% 18% 19% 18% 28% 0.12 0.12 1.51		
B7Rectangle-Half 529%				3	3	123	123					0% 33% 14% 22% 20% 22% 0.12 0.12 1.51		
B8Rectangle-Half 544%				3	3	123	123					0% 16% 7% 26% 26% 11% 0.12 0.12 1.51		
B21Rectangle-Half 573%				3	3	123	123					0% 33% 14% 22% 20% 22% 0.12 0.12 1.51		
B22Rectangle-Half 544%				3	3	123	123					0% 50% 21% 17% 15% 33% 0.12 0.12 1.51		
B23Rectangle-Half 515%				3	3	123	123					0% 25% 10% 24% 23% 16% 0.12 0.12 1.51		
B24Rectangle-Half 558%				3	3	123	123					0% 42% 18% 19% 18% 28% 0.12 0.12 1.51		
B25Rectangle-Half 529%				3	3	123	123					0% 33% 14% 22% 20% 22% 0.12 0.12 1.51		
B26Rectangle-Half 544%				3	3	123	123					0% 36% 15% 21% 20% 24% 0.12 0.12 1.51		
B31Rectangle-Half 539%				3	3	123	123					0% 48% 20% 18% 16% 31% 0.12 0.12 1.51		
B32Rectangle-Half 519%				3	3	123	123					0% 36% 15% 21% 20% 24% 0.12 0.12 1.51		
B33Rectangle-Half 539%				3	3	123	123					0% 48% 20% 18% 16% 31% 0.12 0.12 1.51		
B34Rectangle-Half 519%				3	3	123	123					0% 53% 23% 16% 15% 35% 0.12 0.12 1.51		
B35Rectangle-Half 510%				3	3	123	123					0% 40% 17% 20% 18% 27% 0.12 0.12 1.51		
B36Rectangle-Half 532%				3	3	123	123					0% 24% 10% 24% 23% 16% 0.12 0.12 1.51		
C11 Circle 60%				3	3	123	123					0% 35% 15% 21% 20% 23% 0.12 0.12 1.51		
C12 Circle 40%				3	3	123	123					0% 47% 20% 18% 16% 31% 0.12 0.12 1.51		
C13 Circle 20%				3	3	123	123					0% 13% 5% 27% 26% 8% 0.12 0.12 1.51		
C21 Circle 78%				3	3	123	123					0% 12% 5% 27% 26% 8% 0.12 0.12 1.51		
C22 Circle 79%				3	3	123	123					0% 34% 14% 21% 20% 22% 0.12 0.12 1.51		
C23 Circle 42%				3	3	123	123					0% 36% 15% 21% 20% 24% 0.12 0.12 1.51		
C24 Circle 38%				3	3	123	123					0% 21% 9% 25% 24% 14% 0.12 0.12 1.51		
C25 Circle 65%				3	3	123	123					0% 18% 7% 26% 25% 12% 0.12 0.12 1.51		
C31 Circle 70%				3	3	123	123					0% 25% 11% 24% 23% 17% 0.12 0.12 1.51		
C32 Circle 57%				3	3	123	123					0% 38% 16% 20% 19% 25% 0.12 0.12 1.51		
C33 Circle 35%				3	3	123	123					0% 22% 9% 24% 24% 15% 0.12 0.12 1.51		
C34 Circle 63%				3	3	123	123					0% 35% 15% 21% 20% 23% 0.12 0.12 1.51		
C35 Circle 40%				3	3	123	123					0% 47% 20% 18% 16% 31% 0.12 0.12 1.51		
C36 Circle 20%				3	3	123	123					0% 28% 12% 23% 22% 19% 0.12 0.12 1.51		
C41 Circle 52%				3	3	123	123					0% 39% 16% 20% 19% 26% 0.12 0.12 1.51		
C42 Circle 34%				3	3	123	123					0% 33% 14% 22% 20% 22% 0.12 0.12 1.51		
C43 Circle 44%				3	3	123	123					0% 27% 12% 23% 22% 18% 0.12 0.12 1.51		
C51 Circle 54%				3	3	123	123					0% 33% 14% 22% 20% 22% 0.12 0.12 1.51		
C52 Circle 44%				3	3	123	123					0% 32% 14% 22% 21% 21% 0.12 0.12 1.51		
C53 Circle 46%				3	3	123	123					0% 30% 13% 22% 21% 20% 0.12 0.12 1.51		
C54 Circle 49%				3	3	123	123					0% 38% 16% 20% 19% 25% 0.12 0.12 1.51		
C55 Circle 36%				3	3	123	123					0% 29% 12% 23% 22% 19% 0.12 0.12 1.51		
C14 Triangle 51%				3	3	123	123					0% 38% 16% 20% 19% 25% 0.12 0.12 1.51		
C15 Triangle 36%				3	3	123	123					0% 41% 17% 20% 18% 27% 0.12 0.12 1.51		
C16 Triangle 31%				3	3	123	123					0% 21% 9% 25% 24% 14% 0.12 0.12 1.51		
C61 Triangle 65%				3	3	123	123					0% 39% 17% 20% 19% 26% 0.12 0.12 1.51		
C62 Triangle 34%				3	3	123	123					0% 37% 16% 21% 19% 25% 0.12 0.12 1.51		
C63 Triangle 37%				3	3	123	123					0% 40% 17% 20% 19% 26% 0.12 0.12 1.51		
C64 Triangle 33%				3	3	123	123					0% 45% 19% 18% 17% 30% 0.12 0.12 1.51		
C65 Triangle 24%				3	3	123	123					0% 28% 12% 23% 22% 19% 0.12 0.12 1.51		

Panel Layers		Layers				Visible Light Total Solar Reflectance					Solar Heat U-Value (BTU/hrft ² F)		Light to	
LowIron-LowIron-Spacer-LowEClear-Spacer-LowEClear		Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	Visible Light Total Solar Reflectance	Transmittance	Transmittance	Coefficient	Winter	Summer	Gain	Light to
Panel Type	Shape Area													
C74	Triangle 47%		3	3	123	123	0%	31%	13%	22%	21%	21%	0.12	0.12 1.51
C75	Triangle 37%		3	3	123	123	0%	37%	16%	21%	19%	25%	0.12	0.12 1.51
C76	Triangle 41%		3	3	123	123	0%	35%	15%	21%	20%	23%	0.12	0.12 1.51
C17	Hexagon 48%		3	3	123	123	0%	31%	13%	22%	21%	20%	0.12	0.12 1.51
C18	Hexagon 32%		3	3	123	123	0%	40%	17%	20%	18%	26%	0.12	0.12 1.51
C19	Hexagon 16%		3	3	123	123	0%	50%	21%	17%	16%	33%	0.12	0.12 1.51
C81	Hexagon 68%		3	3	123	123	0%	19%	8%	25%	25%	12%	0.12	0.12 1.51
C82	Hexagon 36%		3	3	123	123	0%	37%	16%	20%	19%	25%	0.12	0.12 1.51
C83	Hexagon 36%		3	3	123	123	0%	37%	16%	20%	19%	25%	0.12	0.12 1.51
C84	Hexagon 52%		3	3	123	123	0%	28%	12%	23%	22%	19%	0.12	0.12 1.51
C85	Hexagon 22%		3	3	123	123	0%	46%	20%	18%	17%	31%	0.12	0.12 1.51
C91	Hexagon 69%		3	3	123	123	0%	18%	8%	25%	25%	12%	0.12	0.12 1.51
C92	Hexagon 53%		3	3	123	123	0%	28%	12%	23%	22%	18%	0.12	0.12 1.51
C93	Hexagon 37%		3	3	123	123	0%	37%	16%	21%	19%	24%	0.12	0.12 1.51
C94	Hexagon 10%		3	3	123	123	0%	53%	23%	16%	15%	35%	0.12	0.12 1.51
C95	Hexagon 32%		3	3	123	123	0%	40%	17%	20%	18%	27%	0.12	0.12 1.51
C96	Hexagon 47%		3	3	123	123	0%	31%	13%	22%	21%	21%	0.12	0.12 1.51
C101	Parallelogram 63%		3	3	123	123	0%	22%	9%	24%	24%	14%	0.12	0.12 1.51
C102	Parallelogram 30%		3	3	123	123	0%	41%	18%	19%	18%	27%	0.12	0.12 1.51
C103	Parallelogram 32%		3	3	123	123	0%	37%	16%	20%	19%	25%	0.12	0.12 1.51
C104	Parallelogram 32%		3	3	123	123	0%	40%	17%	20%	18%	27%	0.12	0.12 1.51
C105	Parallelogram 23%		3	3	123	123	0%	45%	19%	18%	17%	30%	0.12	0.12 1.51
C106	Parallelogram 50%		3	3	123	123	0%	30%	13%	22%	21%	20%	0.12	0.12 1.51
C111	Parallelogram 53%		3	3	123	123	0%	28%	12%	23%	22%	18%	0.12	0.12 1.51
C112	Parallelogram 40%		3	3	123	123	0%	35%	15%	21%	20%	23%	0.12	0.12 1.51
C113	Parallelogram 43%		3	3	123	123	0%	33%	14%	21%	20%	22%	0.12	0.12 1.51
C114	Parallelogram 27%		3	3	123	123	0%	43%	18%	19%	18%	29%	0.12	0.12 1.51
C115	Parallelogram 40%				123		0%	35%	15%	21%	20%	23%	0.12	0.12 1.51
C116	Parallelogram 27%				123		0%	43%	18%	19%	18%	29%	0.12	0.12 1.51

Panel Layers						Layers		Visible Light Transmittance					Solar Heat U-Value (BTU/hrft2F)		Light to	
LowIron-LowIron-Spacer-LowEClear-Spacer-LowEClear																
Panel Type	Shape	Area	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	UV	Visible Light	Total Solar	Reflectance	Winter	Summer	Gain		
Non-ActiveAny	Shape0%			4	4	124	124	0% 58% 25% 14% 12% 39% 0.12 0.12 1.49								
A1 Rectangle	92%			4	4	124	124	0% 5% 2% 29% 29% 3% 0.12 0.12 1.49								
A2 Rectangle	61%			4	4	124	124	0% 23% 10% 24% 23% 15% 0.12 0.12 1.49								
A3 Rectangle	61%			4	4	124	124	0% 23% 10% 24% 23% 15% 0.12 0.12 1.49								
A4 Rectangle	31%			4	4	126	124	0% 40% 17% 19% 18% 27% 0.12 0.12 1.49								
A5 Rectangle	31%			4	4	126	124	0% 40% 17% 19% 18% 27% 0.12 0.12 1.49								
A6 Rectangle	15%			4	4	124	124	0% 49% 21% 16% 15% 33% 0.12 0.12 1.49								
A7 Rectangle	31%			4	4	124	124	0% 49% 21% 16% 15% 33% 0.12 0.12 1.49								
A8 Rectangle	46%			4	4	124	124	0% 31% 14% 21% 20% 21% 0.12 0.12 1.49								
A21 Rectangle	76%			4	4	124	124	0% 14% 6% 26% 26% 9% 0.12 0.12 1.49								
A22 Rectangle	38%			4	4	124	124	0% 36% 15% 20% 19% 24% 0.12 0.12 1.49								
A23 Rectangle	15%			4	4	124	124	0% 49% 21% 16% 15% 33% 0.12 0.12 1.49								
A24 Rectangle	46%			4	4	126	124	0% 31% 14% 21% 20% 21% 0.12 0.12 1.49								
A25 Rectangle	31%			4	4	126	124	0% 40% 17% 19% 18% 27% 0.12 0.12 1.49								
A26 Rectangle	15%			4	4	124	124	0% 49% 21% 16% 15% 33% 0.12 0.12 1.49								
A27 Rectangle	23%			4	4	124	124	0% 45% 19% 18% 16% 30% 0.12 0.12 1.49								
A31 Rectangle	31%			4	4	124	124	0% 40% 17% 19% 18% 27% 0.12 0.12 1.49								
A32 Rectangle	20%			4	4	124	124	0% 46% 20% 17% 16% 31% 0.12 0.12 1.49								
A33 Rectangle	10%			4	4	126	124	0% 52% 22% 16% 14% 35% 0.12 0.12 1.49								
A34 Rectangle	5%			4	4	126	124	0% 55% 24% 15% 13% 37% 0.12 0.12 1.49								
A41 Rectangle	74%			4	4	124	124	0% 15% 7% 26% 25% 10% 0.12 0.12 1.49								
A42 Rectangle	47%			4	4	124	124	0% 31% 13% 22% 20% 21% 0.12 0.12 1.49								
A43 Rectangle	14%			4	4	124	124	0% 50% 21% 16% 15% 34% 0.12 0.12 1.49								
A44 Rectangle	10%			4	4	124	124	0% 52% 22% 16% 14% 35% 0.12 0.12 1.49								
A45 Rectangle	43%			4	4	124	124	0% 33% 14% 21% 20% 22% 0.12 0.12 1.49								
A46 Rectangle	60%			4	4	124	124	0% 23% 10% 24% 23% 16% 0.12 0.12 1.49								
A51 Rectangle	57%			4	4	124	124	0% 25% 11% 23% 22% 17% 0.12 0.12 1.49								
A52 Rectangle	27%			4	4	124	124	0% 42% 18% 18% 17% 29% 0.12 0.12 1.49								
A53 Rectangle	22%			4	4	124	124	0% 45% 20% 17% 16% 31% 0.12 0.12 1.49								
A54 Rectangle	87%			4	4	124	124	0% 8% 3% 28% 28% 5% 0.12 0.12 1.49								
A55 Rectangle	69%			4	4	124	124	0% 18% 8% 25% 24% 12% 0.12 0.12 1.49								
A56 Rectangle	61%			4	4	124	124	0% 23% 10% 24% 23% 15% 0.12 0.12 1.49								
A111 Rectangle	46%			4	4	126	124	0% 31% 14% 21% 20% 21% 0.12 0.12 1.49								
A112 Rectangle	23%			4	4	126	124	0% 45% 19% 18% 16% 30% 0.12 0.12 1.49								
A113 Rectangle	23%			4	4	124	124	0% 45% 19% 18% 16% 30% 0.12 0.12 1.49								
A114 Rectangle	23%			4	4	124	124	0% 45% 19% 18% 16% 30% 0.12 0.12 1.49								
A115 Rectangle	11%			4	4	124	124	0% 51% 22% 16% 14% 35% 0.12 0.12 1.49								
A116 Rectangle	34%			4	4	124	124	0% 38% 16% 20% 18% 26% 0.12 0.12 1.49								
A121 Rectangle	36%			4	4	124	124	0% 37% 16% 20% 18% 25% 0.12 0.12 1.49								
A122 Rectangle	15%			4	4	124	124	0% 49% 21% 16% 15% 33% 0.12 0.12 1.49								
A123 Rectangle	20%			4	4	124	124	0% 46% 20% 17% 16% 31% 0.12 0.12 1.49								
A124 Rectangle	36%			4	4	124	124	0% 37% 16% 20% 18% 25% 0.12 0.12 1.49								
A125 Rectangle	25%			4	4	124	124	0% 43% 19% 18% 17% 29% 0.12 0.12 1.49								
A126 Rectangle	18%			4	4	124	124	0% 48% 21% 17% 15% 32% 0.12 0.12 1.49								
A127 Rectangle	18%			4	4	124	124	0% 48% 21% 17% 15% 32% 0.12 0.12 1.49								
A128 Rectangle	8%			4	4	124	124	0% 54% 23% 15% 13% 36% 0.12 0.12 1.49								
B1Rectangle-Half	587%			4	4	124	124	0% 7% 3% 28% 28% 5% 0.12 0.12 1.49								
B2Rectangle-Half	558%			4	4	126	124	0% 24% 10% 23% 22% 16% 0.12 0.12 1.49								
B3Rectangle-Half	558%			4	4	124	124	0% 24% 10% 23% 22% 16% 0.12 0.12 1.49								
B4Rectangle-Half	529%			4	4	124	124	0% 41% 18% 19% 17% 28% 0.12 0.12 1.49								
B5Rectangle-Half	529%			4	4	124	124	0% 41% 18% 19% 17% 28% 0.12 0.12 1.49								
B6Rectangle-Half	515%			4	4	124	124	0% 50% 21% 16% 15% 33% 0.12 0.12 1.49								
B7Rectangle-Half	529%			4	4	124	124	0% 41% 18% 19% 17% 28% 0.12 0.12 1.49								
B8Rectangle-Half	544%			4	4	124	124	0% 33% 14% 21% 20% 22% 0.12 0.12 1.49								
B21Rectangle-Half	573%			4	4	124	124	0% 16% 7% 26% 25% 11% 0.12 0.12 1.49								
B22Rectangle-Half	544%			4	4	124	124	0% 33% 14% 21% 20% 22% 0.12 0.12 1.49								
B23Rectangle-Half	515%			4	4	124	124	0% 50% 21% 16% 15% 33% 0.12 0.12 1.49								
B24Rectangle-Half	558%			4	4	124	124	0% 24% 10% 23% 22% 16% 0.12 0.12 1.49								
B25Rectangle-Half	529%			4	4	124	124	0% 41% 18% 19% 17% 28% 0.12 0.12 1.49								
B26Rectangle-Half	544%			4	4	124	124	0% 33% 14% 21% 20% 22% 0.12 0.12 1.49								
B31Rectangle-Half	539%			4	4	126	124	0% 35% 15% 20% 19% 24% 0.12 0.12 1.49								
B32Rectangle-Half	519%			4	4	124	124	0% 47% 20% 17% 15% 31% 0.12 0.12 1.49								
B33Rectangle-Half	539%			4	4	124	124	0% 35% 15% 20% 19% 24% 0.12 0.12 1.49								
B34Rectangle-Half	519%			4	4	124	124	0% 47% 20% 17% 15% 31% 0.12 0.12 1.49								
B35Rectangle-Half	510%			4	4	124	124	0% 52% 23% 16% 14% 35% 0.12 0.12 1.49								
B36Rectangle-Half	532%			4	4	124	124	0% 40% 17% 19% 18% 27% 0.12 0.12 1.49								
C11 Circle	60%			4	4	124	124	0% 23% 10% 24% 23% 16% 0.12 0.12 1.49								
C12 Circle	40%			4	4	124	124	0% 35% 15% 20% 19% 23% 0.12 0.12 1.49								
C13 Circle	20%			4	4	124	124	0% 46% 20% 17% 16% 31% 0.12 0.12 1.49								
C21 Circle	78%			4	4	124	124	0% 13% 5% 27% 26% 8% 0.12 0.12 1.49								
C22 Circle	79%			4	4	124	124	0% 12% 5% 27% 26% 8% 0.12 0.12 1.49								
C23 Circle	42%			4	4	124	124	0% 33% 14% 21% 20% 22% 0.12 0.12 1.49								
C24 Circle	38%			4	4	124	124	0% 36% 15% 20% 19% 24% 0.12 0.12 1.49								
C25 Circle	65%			4	4	124	124	0% 20% 9% 24% 24% 14% 0.12 0.12 1.49								
C31 Circle	70%			4	4	126	124	0% 17% 7% 25% 25% 12% 0.12 0.12 1.49	</							

Panel Layers			Layers				Visible Light Total Solar Reflectance										Solar Heat U-Value (BTU/hrft2F)		Light to		
LowIron-LowIron-Spacer-LowE			Clear-Spacer-LowE							UV		Visible		Light		Total		Solar		Reflectance	
Panel Type	Shape	Area	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	Transmittance		Exterior		Interior		Coefficient		Winter		Summer		Gain	
				Thickness	Thickness	Size	Thickness	Size	Thickness	Thickness	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime
C74 Triangle	47%			4	4	124	124	0%	31%	13%	22%	21%	21%	0.12	0.12	1.49					
C75 Triangle	37%			4	4	124	124	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49					
C76 Triangle	41%			4	4	124	124	0%	34%	15%	21%	19%	23%	0.12	0.12	1.49					
C17 Hexagon	48%			4	4	124	124	0%	30%	13%	22%	21%	20%	0.12	0.12	1.49					
C18 Hexagon	32%			4	4	124	124	0%	39%	17%	19%	18%	26%	0.12	0.12	1.49					
C19 Hexagon	16%			4	4	124	124	0%	49%	21%	17%	15%	33%	0.12	0.12	1.49					
C81 Hexagon	68%			4	4	124	124	0%	19%	8%	25%	24%	12%	0.12	0.12	1.49					
C82 Hexagon	36%			4	4	124	124	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49					
C83 Hexagon	36%			4	4	124	124	0%	37%	16%	20%	19%	25%	0.12	0.12	1.49					
C84 Hexagon	52%			4	4	124	124	0%	28%	12%	22%	21%	19%	0.12	0.12	1.49					
C85 Hexagon	22%			4	4	124	124	0%	45%	20%	17%	16%	31%	0.12	0.12	1.49					
C91 Hexagon	69%			4	4	124	124	0%	18%	8%	25%	24%	12%	0.12	0.12	1.49					
C92 Hexagon	53%			4	4	124	124	0%	27%	12%	23%	22%	18%	0.12	0.12	1.49					

Panel Layers			Layers				Visible Light Transmittance				Solar Heat U-Value (BTU/hrft ² F)		Light to
LowIron-LowIron-Spacer-LowEClear-Spacer-LowEClear			Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	UV % Transmittance	Visible Light % Transmittance	Total Solar Reflectance	Shading Coefficient	Winter	Summer	
Panel TypeShape Area	Cell Coverage						Nighttime	Daytime					
Non-ActiveAny Shape0%			6	6	126	126	0%	57%	24%	14%	12%	38%	0.12 0.12 1.50
A1 Rectangle 92%			6	6	126	126	0%	5%	2%	29%	29%	3%	0.12 0.12 1.50
A2 Rectangle 61%			6	6	126	126	0%	22%	9%	24%	23%	15%	0.12 0.12 1.50
A3 Rectangle 61%			6	6	126	126	0%	22%	9%	24%	23%	15%	0.12 0.12 1.50
A4 Rectangle 31%			6	6	126	126	0%	40%	17%	19%	18%	26%	0.12 0.12 1.50
A5 Rectangle 31%			6	6	126	126	0%	40%	17%	19%	18%	26%	0.12 0.12 1.50
A6 Rectangle 15%			6	6	126	126	0%	48%	20%	16%	16%	32%	0.12 0.12 1.50
A7 Rectangle 31%			6	6	126	126	0%	40%	17%	19%	18%	26%	0.12 0.12 1.50
A8 Rectangle 46%			6	6	126	126	0%	31%	13%	21%	20%	21%	0.12 0.12 1.50
A21 Rectangle 76%			6	6	126	126	0%	13%	6%	26%	26%	9%	0.12 0.12 1.50
A22 Rectangle 38%			6	6	126	126	0%	35%	15%	20%	19%	23%	0.12 0.12 1.50
A23 Rectangle 15%			6	6	126	126	0%	48%	20%	16%	15%	32%	0.12 0.12 1.50
A24 Rectangle 46%			6	6	126	126	0%	31%	13%	21%	20%	21%	0.12 0.12 1.50
A25 Rectangle 31%			6	6	126	126	0%	40%	17%	19%	18%	26%	0.12 0.12 1.50
A26 Rectangle 15%			6	6	126	126	0%	48%	20%	16%	15%	32%	0.12 0.12 1.50
A27 Rectangle 23%			6	6	126	126	0%	40%	17%	19%	18%	26%	0.12 0.12 1.50
A31 Rectangle 31%			6	6	126	126	0%	45%	19%	17%	16%	30%	0.12 0.12 1.50
A32 Rectangle 20%			6	6	126	126	0%	51%	22%	16%	14%	34%	0.12 0.12 1.50
A33 Rectangle 10%			6	6	126	126	0%	54%	23%	15%	13%	36%	0.12 0.12 1.50
A34 Rectangle 5%			6	6	126	126	0%	15%	6%	26%	25%	10%	0.12 0.12 1.50
A41 Rectangle 74%			6	6	126	126	0%	30%	13%	22%	20%	20%	0.12 0.12 1.50
A42 Rectangle 47%			6	6	126	126	0%	49%	21%	16%	15%	33%	0.12 0.12 1.50
A43 Rectangle 14%			6	6	126	126	0%	51%	22%	16%	14%	34%	0.12 0.12 1.50
A44 Rectangle 10%			6	6	126	126	0%	32%	14%	21%	20%	22%	0.12 0.12 1.50
A45 Rectangle 43%			6	6	126	126	0%	23%	10%	24%	23%	15%	0.12 0.12 1.50
A46 Rectangle 60%			6	6	126	126	0%	24%	10%	23%	22%	16%	0.12 0.12 1.50
A51 Rectangle 57%			6	6	126	126	0%	42%	18%	18%	17%	28%	0.12 0.12 1.50
A52 Rectangle 27%			6	6	126	126	0%	45%	19%	17%	16%	30%	0.12 0.12 1.50
A53 Rectangle 22%			6	6	126	126	0%	8%	3%	28%	28%	5%	0.12 0.12 1.50
A54 Rectangle 87%			6	6	126	126	0%	18%	7%	25%	24%	12%	0.12 0.12 1.50
A55 Rectangle 69%			6	6	126	126	0%	22%	9%	24%	23%	15%	0.12 0.12 1.50
A56 Rectangle 61%			6	6	126	126	0%	31%	13%	21%	20%	21%	0.12 0.12 1.50
A111 Rectangle 46%			6	6	126	126	0%	44%	18%	18%	16%	29%	0.12 0.12 1.50
A112 Rectangle 23%			6	6	126	126	0%	44%	18%	18%	16%	29%	0.12 0.12 1.50
A113 Rectangle 23%			6	6	126	126	0%	44%	18%	18%	16%	29%	0.12 0.12 1.50
A114 Rectangle 23%			6	6	126	126	0%	50%	21%	16%	14%	34%	0.12 0.12 1.50
A115 Rectangle 11%			6	6	126	126	0%	37%	16%	20%	18%	25%	0.12 0.12 1.50
A116 Rectangle 34%			6	6	126	126	0%	37%	15%	20%	18%	24%	0.12 0.12 1.50
A121 Rectangle 36%			6	6	126	126	0%	48%	20%	16%	15%	32%	0.12 0.12 1.50
A122 Rectangle 15%			6	6	126	126	0%	45%	19%	17%	16%	30%	0.12 0.12 1.50
A123 Rectangle 20%			6	6	126	126	0%	37%	15%	20%	18%	24%	0.12 0.12 1.50
A124 Rectangle 36%			6	6	126	126	0%	42%	18%	18%	17%	28%	0.12 0.12 1.50
A125 Rectangle 25%			6	6	126	126	0%	47%	20%	17%	15%	31%	0.12 0.12 1.50
A126 Rectangle 18%			6	6	126	126	0%	47%	20%	17%	15%	31%	0.12 0.12 1.50
A127 Rectangle 18%			6	6	126	126	0%	47%	20%	17%	15%	31%	0.12 0.12 1.50
A128 Rectangle 8%			6	6	126	126	0%	53%	22%	15%	13%	35%	0.12 0.12 1.50
B1Rectangle-Half 587%			6	6	126	126	0%	7%	3%	28%	28%	5%	0.12 0.12 1.50
B2Rectangle-Half 558%			6	6	126	126	0%	24%	10%	23%	22%	16%	0.12 0.12 1.50
B3Rectangle-Half 558%			6	6	126	126	0%	24%	10%	23%	22%	16%	0.12 0.12 1.50
B4Rectangle-Half 529%			6	6	126	126	0%	40%	17%	19%	17%	27%	0.12 0.12 1.50
B5Rectangle-Half 529%			6	6	126	126	0%	40%	17%	19%	17%	27%	0.12 0.12 1.50
B6Rectangle-Half 515%			6	6	126	126	0%	40%	17%	19%	17%	27%	0.12 0.12 1.50
B7Rectangle-Half 529%			6	6	126	126	0%	32%	14%	21%	20%	21%	0.12 0.12 1.50
B8Rectangle-Half 544%			6	6	126	126	0%	15%	7%	26%	25%	10%	0.12 0.12 1.50
B21Rectangle-Half 573%			6	6	126	126	0%	32%	14%	21%	20%	21%	0.12 0.12 1.50
B22Rectangle-Half 544%			6	6	126	126	0%	49%	21%	16%	15%	32%	0.12 0.12 1.50
B23Rectangle-Half 515%			6	6	126	126	0%	24%	10%	23%	22%	16%	0.12 0.12 1.50
B24Rectangle-Half 558%			6	6	126	126	0%	40%	17%	19%	17%	27%	0.12 0.12 1.50
B25Rectangle-Half 529%			6	6	126	126	0%	32%	14%	21%	20%	21%	0.12 0.12 1.50
B26Rectangle-Half 544%			6	6	126	126	0%	35%	15%	20%	19%	23%	0.12 0.12 1.50
B31Rectangle-Half 539%			6	6	126	126	0%	46%	19%	17%	15%	31%	0.12 0.12 1.50
B32Rectangle-Half 519%			6	6	126	126	0%	35%	15%	20%	19%	23%	0.12 0.12 1.50
B33Rectangle-Half 539%			6	6	126	126	0%	46%	19%	17%	15%	31%	0.12 0.12 1.50
B34Rectangle-Half 519%			6	6	126	126	0%	51%	22%	16%	14%	34%	0.12 0.12 1.50
B35Rectangle-Half 510%			6	6	126	126	0%	39%	16%	19%	18%	26%	0.12 0.12 1.50
B36Rectangle-Half 532%			6	6	126	126	0%	23%	10%	24%	23%	15%	0.12 0.12 1.50
C11 Circle 60%			6	6	126	126	0%	34%	14%	20%	19%	23%	0.12 0.12 1.50
C12 Circle 40%			6	6	126	126	0%	46%	19%	17%	16%	30%	0.12 0.12 1.50
C13 Circle 20%			6	6	126	126	0%	12%	5%	27%	26%	8%	0.12 0.12 1.50
C21 Circle 78%			6	6	126	126	0%	12%	5%	27%	26%	8%	0.12 0.12 1.50
C22 Circle 79%			6	6	126	126	0%	33%	14%	21%	20%	22%	0.12 0.12 1.50
C23 Circle 42%			6	6	126	126	0%	35%	15%	20%	19%	23%	0.12 0.12 1.50
C24 Circle 38%			6	6	126	126	0%	20%	8%	24%	24%	13%	0.12 0.12 1.50
C25 Circle 65%			6	6	126	126	0%	17%	7%	25%	25%	11%	0.12 0.12 1.50
C31 Circle 70%			6	6	126	126	0%	24%	10%	23%	22%	16%	0.12 0.12 1.50
C32 Circle 57%			6	6	126	126	0%	37%	16%	20%	18%	25%	0.12 0.12 1.50
C33 Circle 35%			6	6	126	126	0%	21%	9%	24%	23%	14%	0.12 0.12 1.50
C34 Circle 63%			6	6	126	126	0%	34%	14%	20%	19%	23%	0.12 0.12 1.50
C35 Circle 40%			6	6	126	126	0%	45%	19%	17%	16%	30%	0.12 0.12 1.50
C36 Circle 20%			6	6	126	126	0%	27%	11%	22%	21%	18%	0.12 0.12 1.50
C41 Circle 52%			6	6	126	126	0%	37%	16%	19%	18%	25%	0.12 0.12 1.50
C42 Circle 34%			6	6	126	126	0%	32%	13%	21%	20%	21%	0.12 0.12 1.50
C43 Circle 44%			6	6	126	126	0%	26%	11%	23%	22%	18%	0.12 0.12 1.50
C51 Circle 54%			6	6	126	126	0%	32%	13%	21%	20%	21%	0.12 0.12 1.50
C52 Circle 44%			6	6	126	126	0%	31%	13%	21%	20%	21%	0.12 0.12 1.50
C53 Circle 46%			6	6	126	126	0%	29%	12%	22%	21%	19%	0.12 0.12 1.50
C54 Circle 49%			6	6	126	126	0%	37%	15%	20%	18%	24%	0.12 0.12 1.50
C55 Circle 36%			6	6	126	126	0%	28%	12%	22%	21%	19%	0.12 0.12 1.50
C14 Triangle 51%			6	6	126	126	0%	37%	15%	20%	18%	24%	0.12 0.12 1.50
C15 Triangle 36%			6	6	126	126	0%	40%	17%	19%	18%	26%	0.12 0.12 1.50
C16 Triangle 31%			6	6	126	126	0%	20%	8%	24%	24%	13%	0.12 0.12 1.50
C61 Triangle 65%			6	6	126	126	0%	38%	16%	19%	18%	25%	0.12 0.12 1.50
C62 Triangle 34%			6	6	126	126	0%	36%	15%	20%	19%	24%	0.12 0.12 1.50
C63 Triangle 37%			6	6	126	126	0%	38%	16%	19%	18%	26%	0.12 0.12 1.50
C64 Triangle 33%					126		0%	44%	18%	18%	16%	29%	0.12 0.12 1.50
C65 Triangle 24%							0%	28%	12%	22%	21%	19%	0.12 0.12 1.50
C66 Triangle 50%							0%	28%	12%	22%	21%	18%	0.12 0.12 1.50
C71 Triangle 52%							0%	41%	17%	18%	17%	27%	0.12 0.12 1.50
C72 Triangle 28%							0%	36%	15%	20%	19%	24%	0.12 0.12 1.50
C73 Triangle 37%													

Panel Layers			Layers				Visible Light Total Solar Reflectance						Solar Heat U-Value (BTU/hrft2F)Light to		
LowIron-LowIron-Spacer-LowEClear-Spacer-LowEClear			Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	UV Radiation Exposure Time	Solar Gain Coefficient	Transmittance Coefficient	Winter	Summer	Gain	U-Value	Light to	
Panel Type	Shape	Cell Coverage													
C74 Triangle	47%		6	6	126	126	0%	30%	13%	22%	21%	20%	0.12	0.12	1.50
C75 Triangle	37%		6	6	126	126	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
C76 Triangle	41%		6	6	126	126	0%	33%	16%	21%	19%	22%	0.12	0.12	1.50
C17 Hexagon	48%		6	6	126	126	0%	29%	12%	22%	21%	20%	0.12	0.12	1.50
C18 Hexagon	32%		6	6	126	126	0%	39%	16%	19%	18%	26%	0.12	0.12	1.50
C19 Hexagon	16%		6	6	126	126	0%	48%	20%	17%	15%	32%	0.12	0.12	1.50
C81 Hexagon	68%		6	6	126	126	0%	18%	8%	25%	24%	12%	0.12	0.12	1.50
C82 Hexagon	36%		6	6	126	126	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
C83 Hexagon	36%		6	6	126	126	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
C84 Hexagon	52%		6	6	126	126	0%	27%	11%	22%	21%	18%	0.12	0.12	1.50
C85 Hexagon	22%		6	6	126	126	0%	45%	19%	17%	16%	30%	0.12	0.12	1.50
C91 Hexagon	69%		6	6	126	126	0%	18%	7%	25%	24%	12%	0.12	0.12	1.50
C92 Hexagon	53%		6	6	126	126	0%	27%	11%	23%	22%	18%	0.12	0.12	1.50
C93 Hexagon	37%		6	6	126	126	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
C94 Hexagon	10%		6	6	126	126	0%	51%	22%	16%	14%	34%	0.12	0.12	1.50
C95 Hexagon	32%		6	6	126	126	0%	39%	16%	19%	18%	26%	0.12	0.12	1.50
C96 Hexagon	47%		6	6	126	126	0%	30%	13%	22%	21%	20%	0.12	0.12	1.50
C101 Parallelogram	63%		6	6	126	126	0%	21%	9%	24%	23%	14%	0.12	0.12	1.50
C102 Parallelogram	30%		6	6	126	126	0%	40%	17%	19%	17%	27%	0.12	0.12	1.50
C103 Parallelogram	37%		6	6	126	126	0%	36%	15%	20%	19%	24%	0.12	0.12	1.50
C104 Parallelogram	52%		6	6	126	126	0%	39%	16%	19%	18%	26%	0.12	0.12	1.50
C105 Parallelogram	23%		6	6	126	126	0%	44%	18%	18%	16%	29%	0.12	0.12	1.50
C106 Parallelogram	50%		6	6	126	126	0%	29%	12%	22%	21%	19%	0.12	0.12	1.50
C111 Parallelogram	53%		6	6	126	126	0%	27%	11%	23%	22%	18%	0.12	0.12	1.50
C112 Parallelogram	49%		6	6	126	126	0%	34%	14%	20%	19%	23%	0.12	0.12	1.50
C113 Parallelogram	44%		6	6	126	126	0%	32%	14%	21%	20%	22%	0.12	0.12	1.50
C114 Parallelogram	29%		6	6	126	126	0%	42%	18%	18%	17%	28%	0.12	0.12	1.50
C115 Parallelogram	40%		6	6	126	126	0%	34%	14%	20%	19%	23%	0.12	0.12	1.50
C116 Parallelogram	22%		6	6	126	126	0%	42%	18%	18%	17%	28%	0.12	0.12	1.50

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Panel Layers			La yers				Visible Light Total Solar Reflectance										Solar Heat U-Value (BTU/hrft2F)Light to																																																																																																																																																																																																																																																																																																																																	
LowIron-LowIron-Spacer-LowE	LowIron-Spacer-LowE	LowIron-Spacer-LowE	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	UV Gain Solar	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light 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Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance	Visible Light Transmittance</

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Panel Layers			La yers				Visible Light Total Solar Reflectance										Solar Heat U-Value (BTU/hrft2F)Light to	
LowIron-LowIron-Spacer-LowE	LowIron-Spacer-LowE	LowIron	Cell Coverage	Glass L1	Glass L2	Spacer Glass L3	Spacer Glass L4	UV Gain Solar	Visible Light Transmittance	Interior Coefficient	Winter Summer	Gain						
Panel Type	Shape	Area		Thickness	Thickness	Size Thickness	Size Thickness	Nighttime	Daytime									
C74 Triangle	47%			4	4	124	124	0%	32%	14%	22%	21%	21%	0.12	1.53			
C75 Triangle	37%			4	4	124	124	0%	38%	17%	21%	19%	25%	0.12	1.53			
C76 Triangle	41%			4	4	124	124	0%	36%	16%	21%	20%	23%	0.12	1.53			
C17 Hexagon	48%			4	4	124	124	0%	32%	14%	22%	21%	21%	0.12	1.53			
C18 Hexagon	32%			4	4	124	124	0%	41%	18%	20%	18%	27%	0.12	1.53			
C19 Hexagon	16%			4	4	124	124	0%	51%	23%	17%	16%	34%	0.12	1.53			
C81 Hexagon	68%			4	4	124	124	0%	20%	9%	25%	25%	13%	0.12	1.53			
C82 Hexagon	36%			4	4	124	124	0%	39%	17%	20%	19%	25%	0.12	1.53			
C83 Hexagon	36%			4	4	124	124	0%	29%	13%	23%	22%	19%	0.12	1.53			
C84 Hexagon	52%			4	4	124	124	0%	48%	21%	18%	17%	31%	0.12	1.53			
C85 Hexagon	22%			4	4	124	124	0%	19%	8%	26%	26%	12%	0.12	1.53			
C91 Hexagon	69%			4	4	124	124	0%	29%	13%	23%	22%	19%	0.12	1.53			
C92 Hexagon	53%			4	4	124	124	0%	38%	17%	21%	19%	25%	0.12	1.53			
C93 Hexagon	37%			4	4	124	124	0%	55%	24%	16%	15%	36%	0.12	1.53			
C94 Hexagon	10%			4	4	124	124	0%	42%	18%	20%	18%	27%	0.12	1.53			
C95 Hexagon	32%			4	4	124	124	0%	32%	14%	22%	21%	21%	0.12	1.53			
C96 Hexagon	47%			4	4	124	124	0%	22%	10%	24%	24%	15%	0.12	1.53			
C101 Parallelogram	63%			4	4	124	124	0%	43%	19%	19%	18%	28%	0.12	1.53			
C102 Parallelogram	30%			4	4	124	124	0%	39%	17%	20%	19%	25%	0.12	1.53			
C103 Parallelogram	37%			4	4	124	124	0%	42%	18%	20%	18%	27%	0.12	1.53			
C104 Parallelogram	32%			4	4	124	124	0%	47%	21%	18%	17%	31%	0.12	1.53			
C105 Parallelogram	23%			4	4	124	124	0%	31%	14%	22%	21%	20%	0.12	1.53			
C106 Parallelogram	50%			4	4	124	124	0%	29%	13%	23%	22%	19%	0.12	1.53			
C111 Parallelogram	53%			4	4	124	124	0%	37%	16%	21%	20%	24%	0.12	1.53			
C112 Parallelogram	40%			4	4	124	124	0%	35%	15%	21%	20%	23%	0.12	1.53			
C113 Parallelogram	43%			4	4	124	124	0%	45%	20%	19%	18%	29%	0.12	1.53			
C114 Parallelogram	27%			4	4	124	124	0%	37%	16%	21%	20%	24%	0.12	1.53			
C115 Parallelogram	40%			4	4	124	124	0%	45%	20%	19%	18%	29%	0.12	1.53			
C116 Parallelogram	27%			4	4	124	124											

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Panel Layers						La yers		Visible										Solar Heat U-Value (BTU/hrft2F)		Light to
LowIron-LowIron-Spacer-LowLowIron-Spacer-LowLowIron																				
Panel Type	Shape	Cell Coverage	Glass L1 Thickness	Glass L2 Thickness	Spacer Glass L3 Size Thickness	Spacer Glass L4 Size Thickness	UV % Transmittance Exterior	Visible % Transmittance Interior	Total % Transmittance	Solar Reflectance	Winter Coefficient	Summer Gain								
C74 Triangle	47%		6	6	126	126	0%	32%	14%	22%	21%	0.12	0.12	1.54						
C75 Triangle	37%		6	6	126	126	0%	38%	17%	21%	19%	0.12	0.12	1.54						
C76 Triangle	41%		6	6	126	126	0%	35%	16%	21%	20%	0.12	0.12	1.54						
C17 Hexagon	48%		6	6	126	126	0%	37%	14%	22%	21%	0.12	0.12	1.54						
C18 Hexagon	32%		6	6	126	126	0%	43%	18%	20%	18%	0.12	0.12	1.54						
C19 Hexagon	16%		6	6	126	126	0%	50%	23%	17%	16%	0.12	0.12	1.54						
C81 Hexagon	68%		6	6	126	126	0%	19%	9%	25%	25%	0.12	0.12	1.54						
C82 Hexagon	36%		6	6	126	126	0%	38%	17%	20%	19%	0.12	0.12	1.54						
C83 Hexagon	36%		6	6	126	126	0%	38%	17%	20%	19%	0.12	0.12	1.54						
C84 Hexagon	52%		6	6	126	126	0%	47%	21%	18%	17%	0.12	0.12	1.54						
C85 Hexagon	22%		6	6	126	126	0%	19%	8%	25%	25%	0.12	0.12	1.54						
C91 Hexagon	69%		6	6	126	126	0%	28%	13%	23%	22%	0.12	0.12	1.54						
C92 Hexagon	53%		6	6	126	126	0%	38%	17%	21%	19%	0.12	0.12	1.54						
C93 Hexagon	37%		6	6	126	126	0%	54%	24%	16%	15%	0.12	0.12	1.54						
C94 Hexagon	10%		6	6	126	126	0%	4%	18%	20%	18%	0.12	0.12	1.54						
C95 Hexagon	32%		6	6	126	126	0%	32%	14%	22%	21%	0.12	0.12	1.54						
C96 Hexagon	47%		6	6	126	126	0%	22%	10%	24%	24%	0.12	0.12	1.54						
C101 Parallelogram	63%		6	6	126	126	0%	42%	19%	19%	18%	0.12	0.12	1.54						
C102 Parallelogram	30%		6	6	126	126	0%	38%	17%	20%	19%	0.12	0.12	1.54						
C103 Parallelogram	37%		6	6	126	126	0%	43%	18%	20%	18%	0.12	0.12	1.54						
C104 Parallelogram	32%		6	6	126	126	0%	46%	21%	18%	17%	0.12	0.12	1.54						
C105 Parallelogram	23%		6	6	126	126	0%	30%	14%	22%	21%	0.12	0.12	1.54						
C106 Parallelogram	50%		6	6	126	126	0%	28%	13%	23%	22%	0.12	0.12	1.54						
C111 Parallelogram	53%		6	6	126	126	0%	36%	16%	21%	20%	0.12	0.12	1.54						
C112 Parallelogram	40%		6	6	126	126	0%	34%	15%	21%	20%	0.12	0.12	1.54						
C113 Parallelogram	43%		6	6	126	126	0%	44%	20%	19%	18%	0.12	0.12	1.54						
C114 Parallelogram	27%		6	6	126	126	0%	36%	16%	21%	20%	0.12	0.12	1.54						
C115 Parallelogram	40%		6	6	126	126	0%	44%	20%	19%	18%	0.12	0.12	1.54						
C116 Parallelogram	27%		6	6	126	126	0%	44%	20%	19%	18%	0.12	0.12	1.54						



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