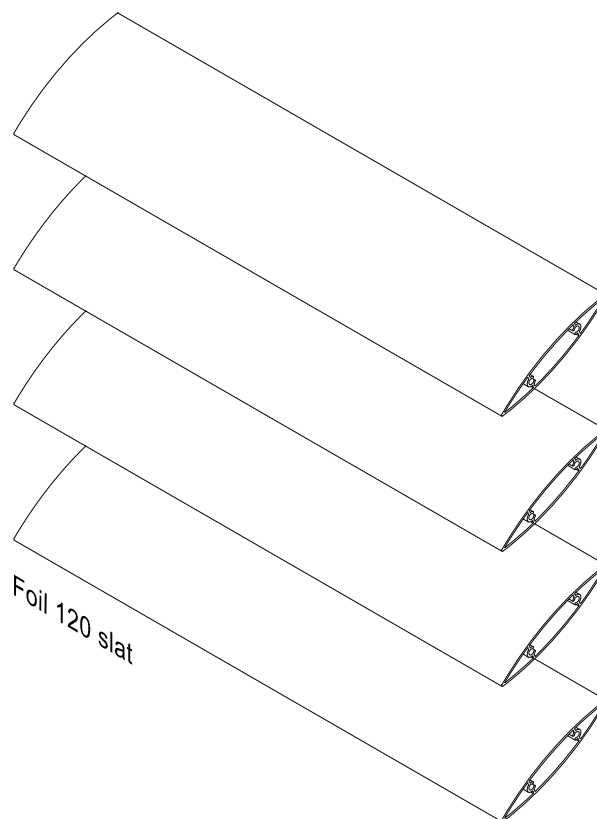
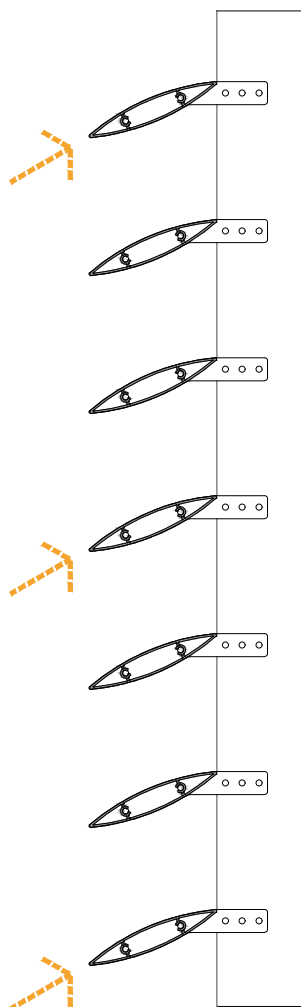


FOIL 120

MECHANICAL ASSEMBLY SYSTEM

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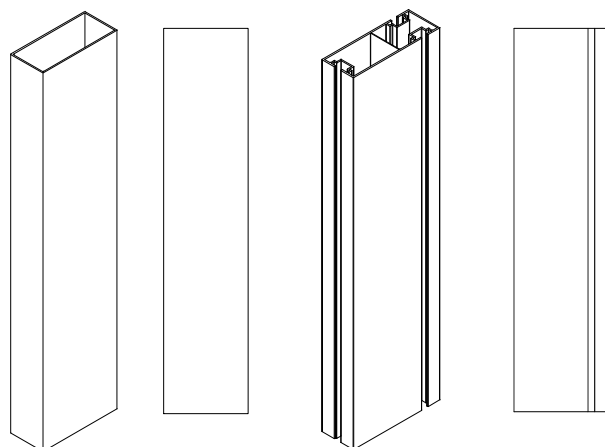
Date: October 2020
Dimensions: mm. (in.)



FOIL 120

SELECTION OF SUPPORTS ACCORDING TO THE SEPARATION BETWEEN ANCHORS

Page 02-21



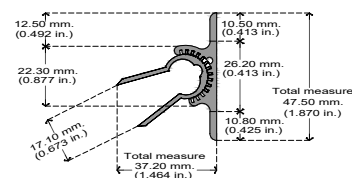
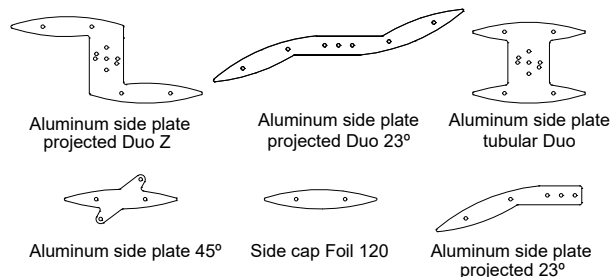
Option

B

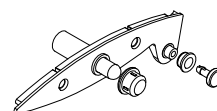
Option

C

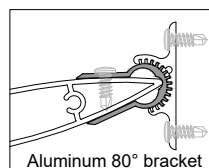
Components



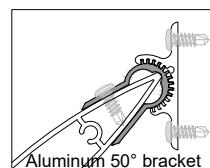
Aluminum 60° bracket



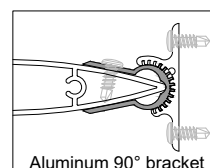
Mobile side cap



Aluminum 80° bracket



Aluminum 50° bracket



Aluminum 90° bracket

Distances for installation of structural supports

Nm Structural support options

Maximum distance (DA)

B Basic support 100X44 (3.93x1.73 in.)

3300 mm. (129.92 in.)

C Basic facade support 110X40 (4.33x1.57 in.)

4000 mm. (157.48 in.)

D Aluminum component anchored to construction site

>4000 mm.

Maximum distance (DV)

Maximum distance between slat attachment horizontal installation

*See detail slat

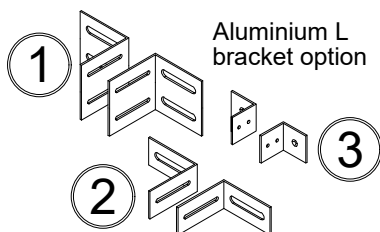
Maximum distance between slat attachment vertical installation

*See detail slat

1 Aluminium L bracket 4 x 4 x 1/4"

2 Aluminium L bracket 2 x 4 x 1/4"

3 Aluminium L bracket 2 x 2 x 1/4"



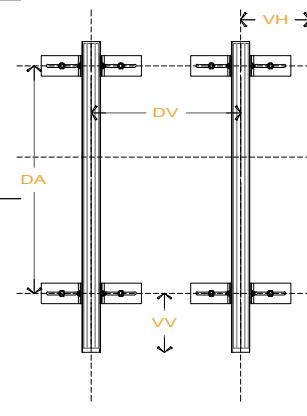
Nm Structural support options

DA Maximum distance between structural support anchors

DV Maximum distance between slat attachment

VV Maximum vertical cantilever (support) 500 mm. (19.65 in.)

VH Maximum horizontal cantilever (slat) 200 mm. (7.87 in.)



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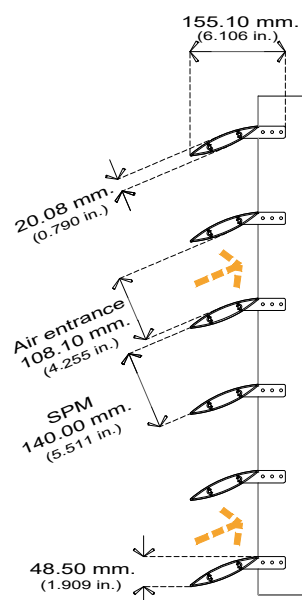
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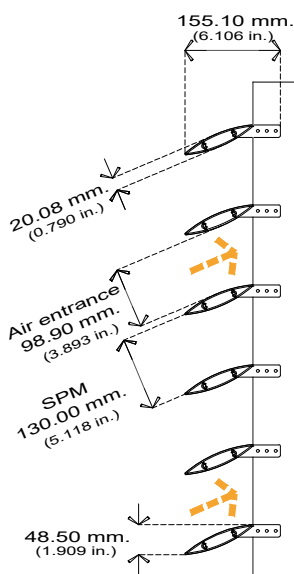
FOIL 120

SPECIFICATION PARAMETERS AND TESTS (ALUMINUM SIDE PLATE PROJECTED 23°)

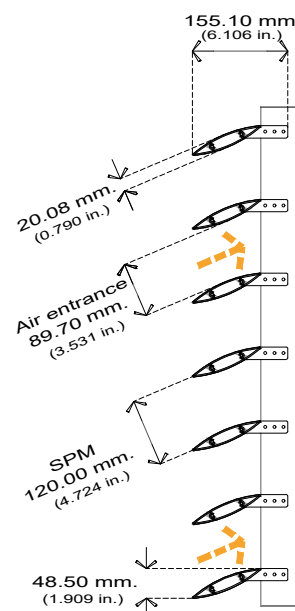
Page 03-21



SPM 14 (23°)



SPM 13 (23°)



SPM 12 (23°)

The SPM are proposed by fácilfaçades; the designer can set the separation according to the needs of your project

Number of slats per meter (SPM)

	7.14	7.69	8.33
Clearance between slats	140.01 mm. (5.512 in.)	130.00 mm. (5.118 in.)	120.00 mm. (4.724 in.)
Free area (%)	85.15%	84.00%	82.67%
DA Maximum distance between anchors, basic support installation (76 x 44 - 2.99x1.73 in.)	2700 mm. (106.29 in.)		
DA Maximum distance between anchors, basic support installation (100 x 44 - 3.93x1.73 in.)	3300 mm. (129.92 in.)		
DA Maximum distance between anchors, basic support installation (110 x 40 - 4.33x1.57 in.)	4000 mm. (157.48 in.)		
DV Maximum distance between slat attachment horizontal installation	2500 mm. (98.42 in.)		
DV Maximum distance between slat attachment vertical installation	2800 mm. (110.23 in.)		
Emittance according to ASTM C 1371 / Clear anodized and raw aluminium	0.645		
Reflectance according to ASTM C 1549 / Clear anodized and raw aluminium	0.759		
Accelerated aging to ASTM G151 / Clear anodized and raw aluminium	0.000		

Extruded aluminium alloy 6063, tempering T5, post-consumption content 51.60%, pre-consumption content 13.70% Snap-on anchored slats to vertical supports, without screws to avoid risk of oxidation

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Specification workshop

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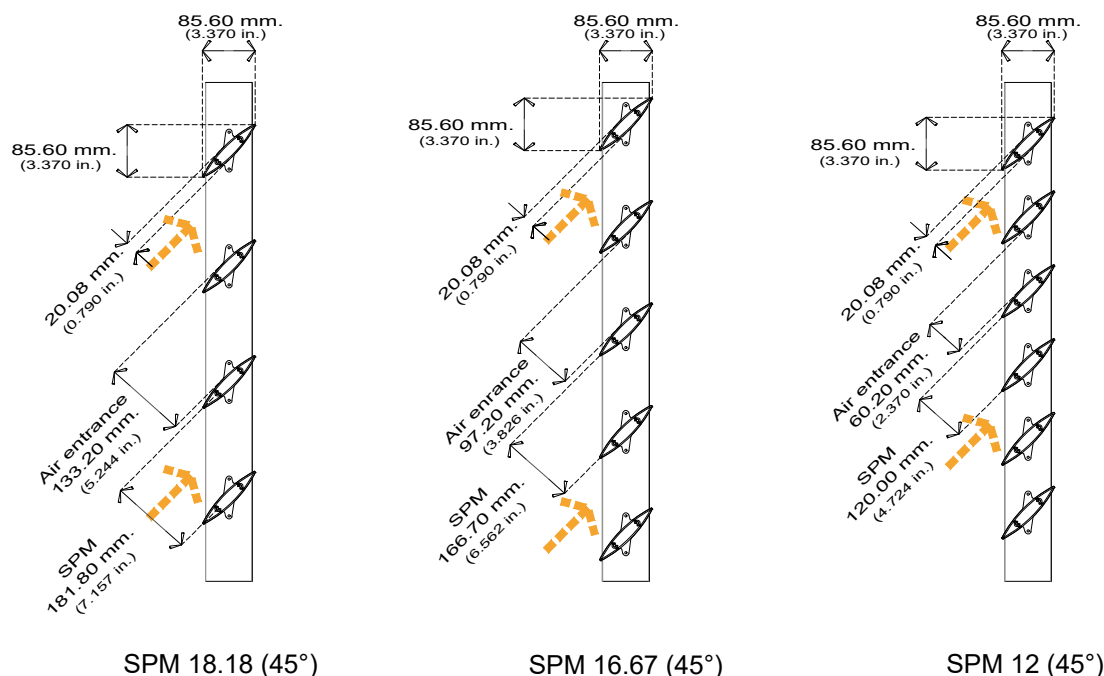
Dimensions: mm. (in.)



FOIL 120

SPECIFICATION PARAMETERS AND TESTS (ALUMINUM SIDE PLATE 45°)

Page 04-21



The SPM are proposed by fácilfaçades; the designer can set the separation according to the needs of your project

Number of slats per meter (SPM)

	5.50	6.00	8.33
Clearance between slats	181.80 mm. (7.157 in.)	166.70 mm. (6.562 in.)	120.00 mm. (4.724 in.)
Free area (%)	88.56%	87.52%	82.67%
DA Maximum distance between anchors, basic support installation (76 x 44 - 2.99x1.73 in.)		2700 mm. (106.29 in.)	
DA Maximum distance between anchors, basic support installation (100 x 44 - 3.93x1.73 in.)		3300 mm. (129.92 in.)	
DA Maximum distance between anchors, basic support installation (110 x 40 - 4.33x1.57 in.)		4000 mm. (157.48 in.)	
DV Maximum distance between slat attachment horizontal installation		2500 mm. (98.42 in.)	
DV Maximum distance between slat attachment vertical installation		3000 mm. (118.11 in.)	
Emittance according to ASTM C 1371 / Clear anodized and raw aluminium		0.645	
Reflectance according to ASTM C 1549 / Clear anodized and raw aluminium		0.759	
Accelerated aging to ASTM G151 / Clear anodized and raw aluminium		0.000	

Extruded aluminium alloy 6063, tempering T5, post-consumption content 51.60%, pre-consumption content 13.70% Snap-on anchored slats to vertical supports, without screws to avoid risk of oxidation

Technical department fácilfaçades®
Specification workshop

Revision:
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Authorization:

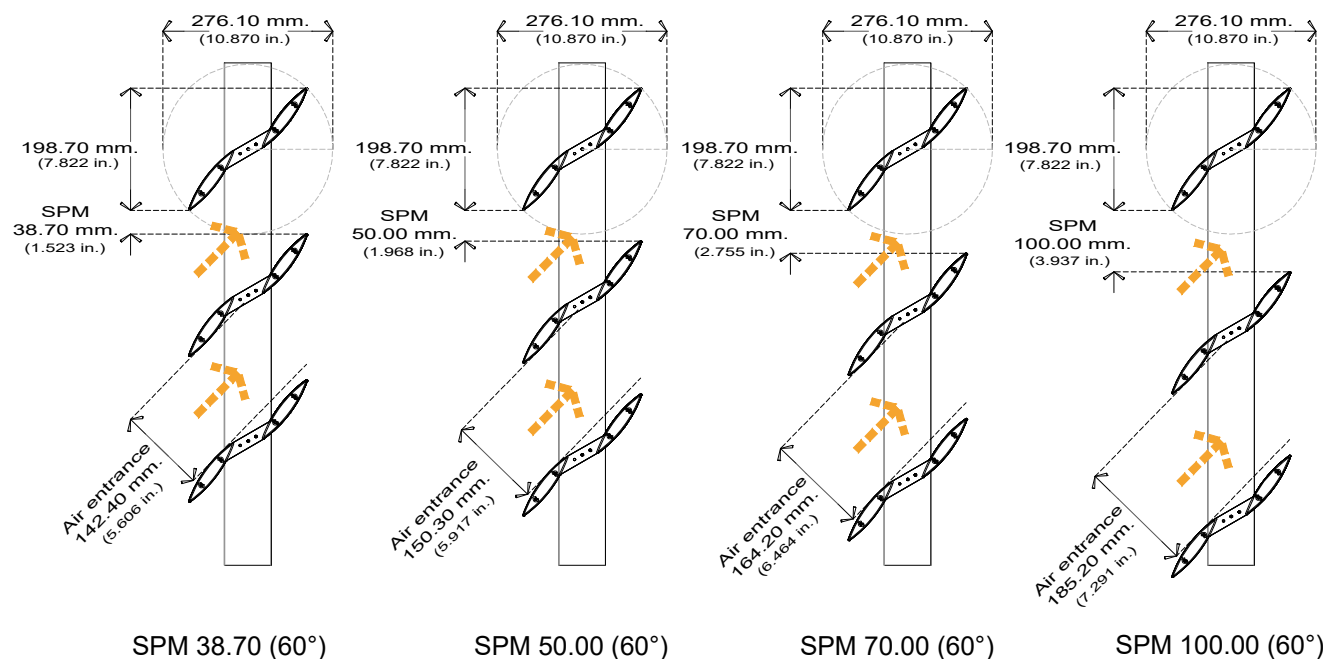
Date: October 2020
Dimensions: mm. (in.)



FOIL 120

SPECIFICATION PARAMETERS AND TESTS (ALUMINUM SIDE PLATE PROJECTED DUO 23°)

Page 05-21



The SPM are proposed by fácilfaçades; the designer can set the separation according to the needs of your project

Number of slats per meter (SPM)

	8.42	8.04	7.44	6.69
Clearance between slats	38.70 mm. (1.523 in.)	50.00 mm. (1.968 in.)	70.00 mm. (2.755 in.)	100.00 mm. (3.937 in.)
Free area (%)	72.16%	73.20%	74.95%	77.10%
DA Maximum distance between anchors, basic support installation (76 x 44 - 2.99x1.73 in.)		2700 mm. (106.29 in.)		
DA Maximum distance between anchors, basic support installation (100 x 44 - 3.93x1.73 in.)		3300 mm. (129.92 in.)		
DA Maximum distance between anchors, basic support installation (110 x 40 - 4.33x1.57 in.)		4000 mm. (157.48 in.)		
DV Maximum distance between slat attachment horizontal installation		2500 mm. (98.42 in.)		
DV Maximum distance between slat attachment vertical installation		3000 mm. (118.11 in.)		
Emittance according to ASTM C 1371 / Clear anodized and raw aluminium		0.645		
Reflectance according to ASTM C 1549 / Clear anodized and raw aluminium		0.759		
Accelerated aging to ASTM G151 / Clear anodized and raw aluminium		0.000		

Extruded aluminium alloy 6063, tempering T5, post-consumption content 51.60%, pre-consumption content 13.70% Snap-on anchored slats to vertical supports, without screws to avoid risk of oxidation

Technical department fácilfaçades®
Specification workshop

Revision:
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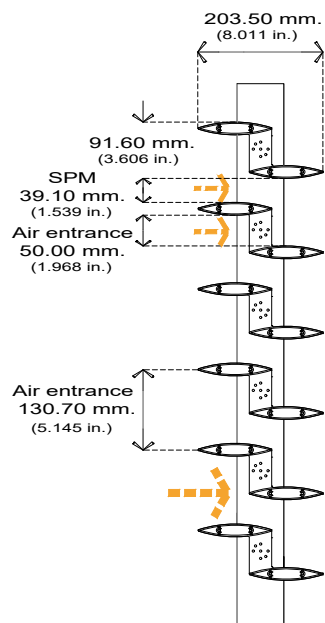
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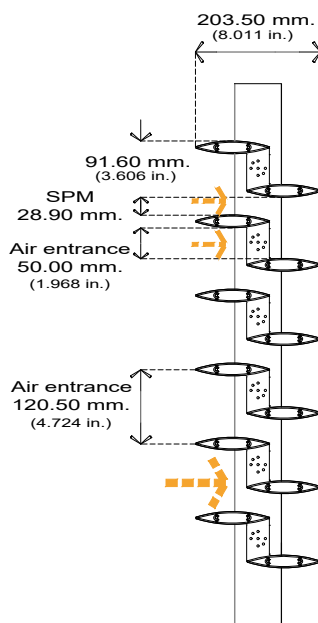
FOIL 120

SPECIFICATION PARAMETERS AND TESTS (ALUMINUM SIDE PLATE PROJECTED DUO Z 90°)

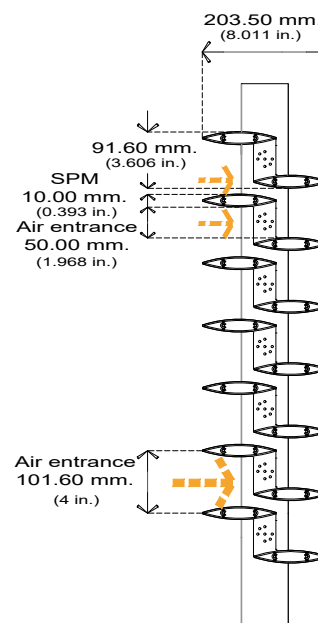
Page 06-21



SPM 39.10 (90°)



SPM 28.90 (90°)



SPM 10.00 (90°)

The SPM are proposed by fácilfaçades; the designer can set the separation according to the needs of your project

Number of slats per meter (SPM)

	15.30	16.59	19.68
Clearance between slats	39.10 mm. (1.523 in.)	28.90 mm. (1.137 in.)	10.00 mm. (0.393 in.)
Free area (%)	68.18%	62.52%	59.06%
DA Maximum distance between anchors, basic support installation (76 x 44 - 2.99x1.73 in.)	2700 mm. (106.29 in.)		
DA Maximum distance between anchors, basic support installation (100 x 44 - 3.93x1.73 in.)	3300 mm. (129.92 in.)		
DA Maximum distance between anchors, basic support installation (110 x 40 - 4.33x1.57 in.)	4000 mm. (157.48 in.)		
DV Maximum distance between slat attachment horizontal installation	2500 mm. (98.42 in.)		
DV Maximum distance between slat attachment vertical installation	3500 mm. (137.79 in.)		
Emittance according to ASTM C 1371 / Clear anodized and raw aluminium	0.645		
Reflectance according to ASTM C 1549 / Clear anodized and raw aluminium	0.759		
Accelerated aging to ASTM G151 / Clear anodized and raw aluminium	0.000		

Extruded aluminium alloy 6063, tempering T5, post-consumption content 51.60%, pre-consumption content 13.70% Snap-on anchored slats to vertical supports, without screws to avoid risk of oxidation

Technical department fácilfaçades®
Specification workshop

Revision:
Revision:

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Date: October 2020

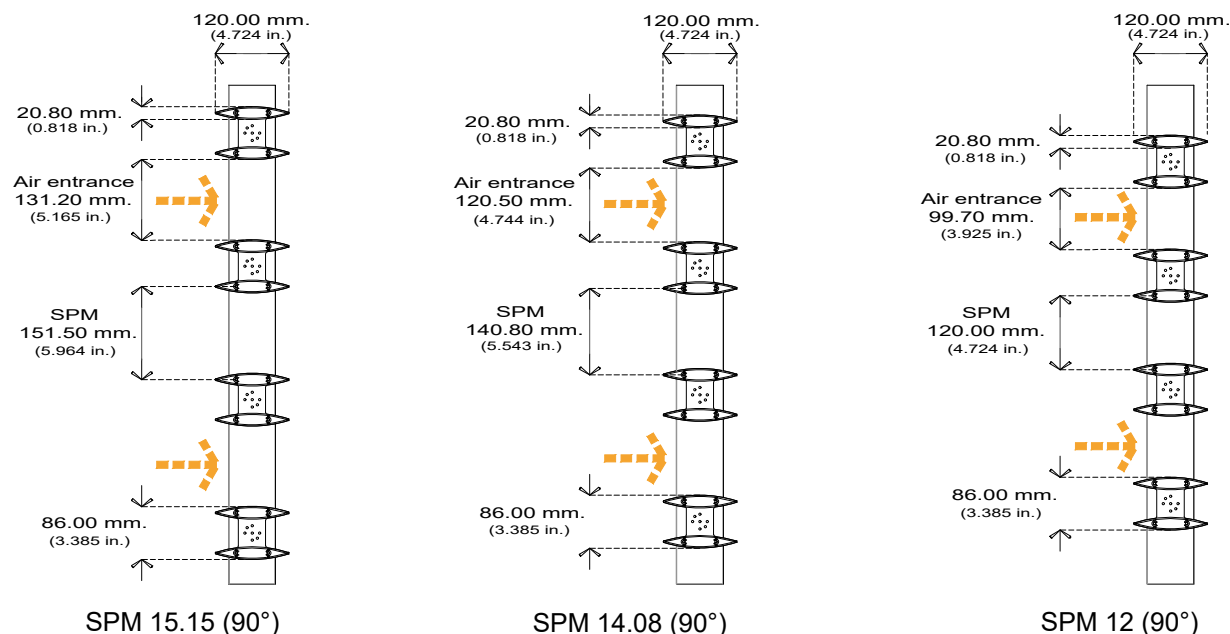
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FOIL 120

SPECIFICATION PARAMETERS AND TESTS (ALUMINUM SIDE PLATE TUBULAR DUO Z 90°)

Page 07-21



The SPM are proposed by fácilfaçades; the designer can set the separation according to the needs of your project

Number of slats per meter (SPM)

	13.20	14.20	16.66
Clearance between slats	151.50 mm. (5.964 in.)	140.80 mm. (5.511 in.)	120.00 mm. (4.724 in.)
Free area (%)	72.54%	70.46%	65.35%
DA Maximum distance between anchors, basic support installation (76 x 44 - 2.99x1.73 in.)	2700 mm. (106.29 in.)		
DA Maximum distance between anchors, basic support installation (100 x 44 - 3.93x1.73 in.)	3300 mm. (129.92 in.)		
DA Maximum distance between anchors, basic support installation (110 x 40 - 4.33x1.57 in.)	4000 mm. (157.48 in.)		
DV Maximum distance between slat attachment horizontal installation	2500 mm. (98.42 in.)		
DV Maximum distance between slat attachment vertical installation	3500 mm. (137.79 in.)		
Emittance according to ASTM C 1371 / Clear anodized and raw aluminium	0.645		
Reflectance according to ASTM C 1549 / Clear anodized and raw aluminium	0.759		
Accelerated aging to ASTM G151 / Clear anodized and raw aluminium	0.000		

Extruded aluminium alloy 6063, tempering T5, post-consumption content 51.60%, pre-consumption content 13.70% Snap-on anchored slats to vertical supports, without screws to avoid risk of oxidation

Technical department fácilfaçades®
Specification workshop

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Revision:

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Authorization:

Date: October 2020

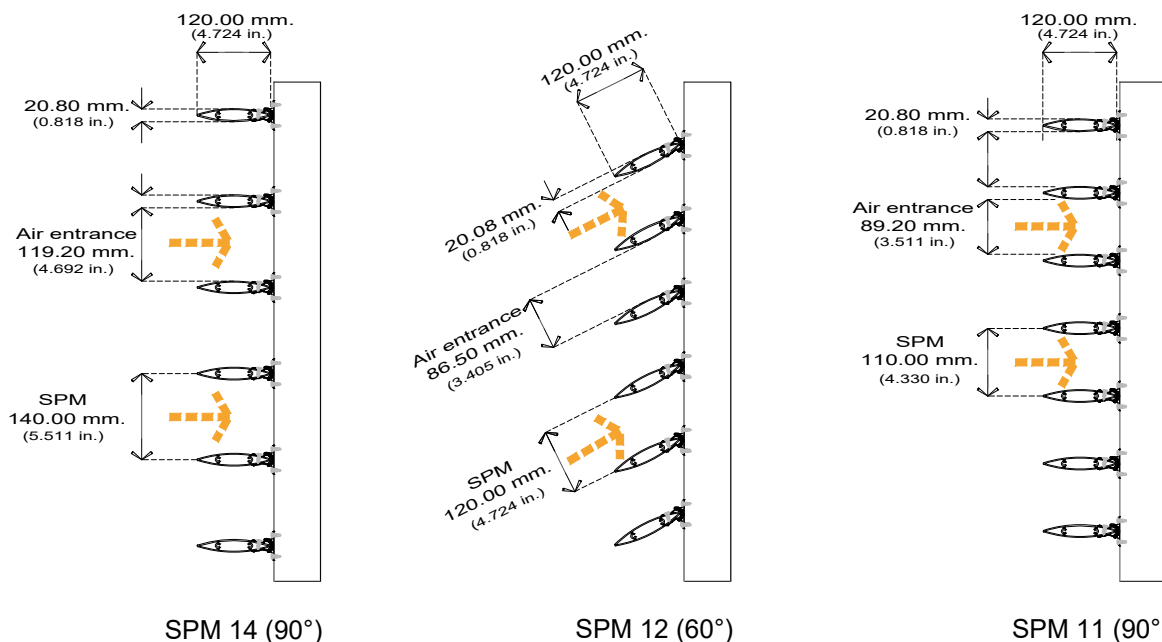
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FOIL 120

SPECIFICATION PARAMETERS AND TESTS (ALUMINUM BRACKETS VARIABLE DEGREES)

Page 08-21



The SPM are proposed by fácilfaçades; the designer can set the separation according to the needs of your project

Number of slats per meter (SPM)

	7.14	8.33	9.09
Clearance between slats	140.10 mm. (5.515 in.)	120.00 mm. (4.724 in.)	110.00 mm. (4.330 in.)
Free area (%)	85.15%	82.67%	81.09%
DA Maximum distance between anchors, basic support installation (76 x 44 - 2.99x1.73 in.)	2700 mm. (106.29 in.)		
DA Maximum distance between anchors, basic support installation (100 x 44 - 3.93x1.73 in.)	3300 mm. (129.92 in.)		
DA Maximum distance between anchors, basic support installation (110 x 40 - 4.33x1.57 in.)	4000 mm. (157.48 in.)		
DV Maximum distance between slat attachment horizontal installation	2500 mm. (98.42 in.)		
DV Maximum distance between slat attachment vertical installation	2800 mm. (110.23 in.)		
Emittance according to ASTM C 1371 / Clear anodized and raw aluminium	0.645		
Reflectance according to ASTM C 1549 / Clear anodized and raw aluminium	0.759		
Accelerated aging to ASTM G151 / Clear anodized and raw aluminium	0.000		

Extruded aluminium alloy 6063, tempering T5, post-consumption content 51.60%, pre-consumption content 13.70% Snap-on anchored slats to vertical supports, without screws to avoid risk of oxidation

Technical department fácilfaçades®
Specification workshop

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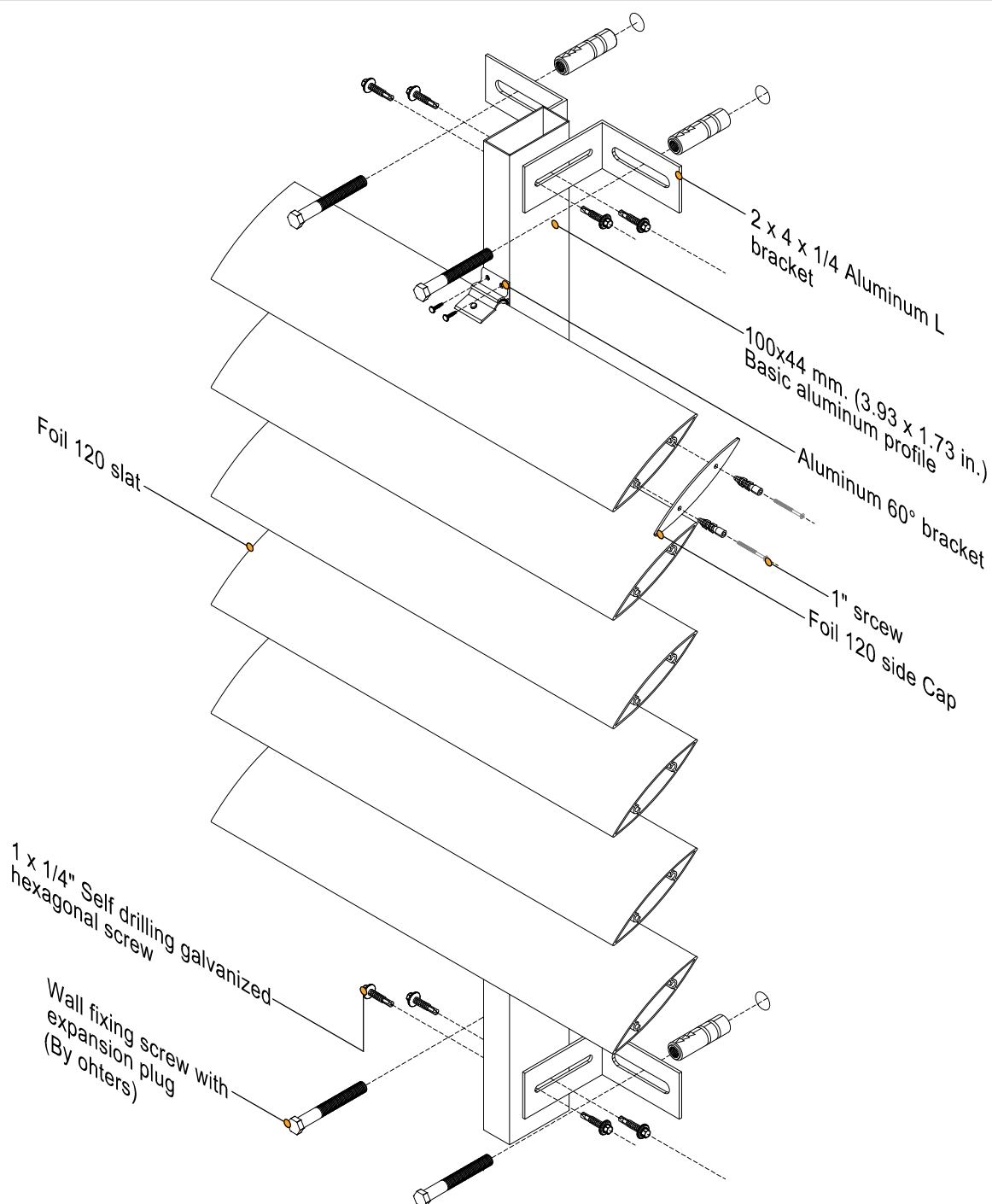
Dimensions: mm. (in.)



FOIL 120

ANCHORING TO SLABS WITH STRUCTURAL SUPPORT 100 X 44 mm. (3.93X1.73 in.)

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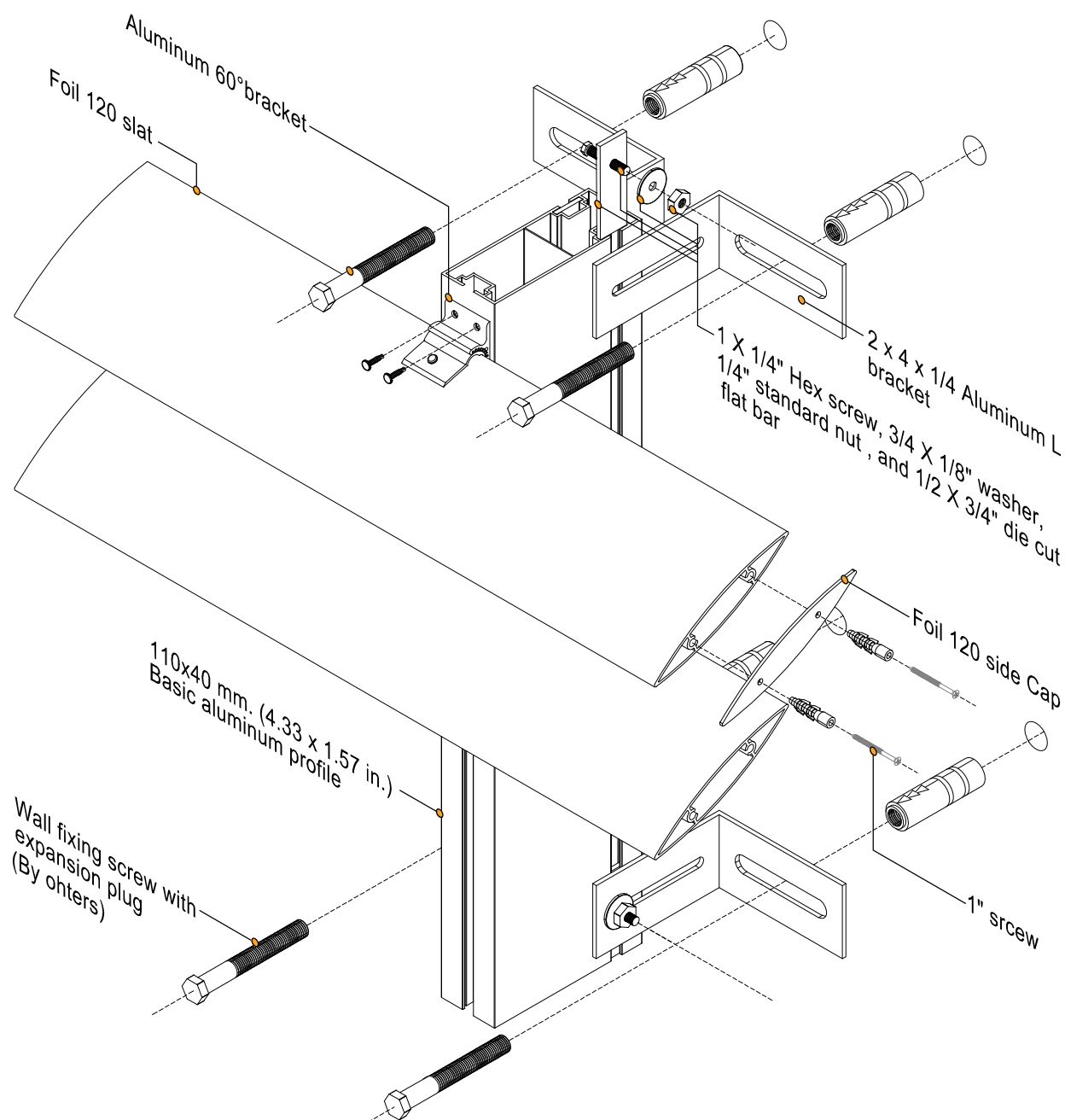
Date: October 2020
Dimensions: mm. (in.)



FOIL 120

ACHORING TO SLABS WITH STRUCTURAL SUPPORT 110 X 40 mm. (4.33X1.57 in.)

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Revision:

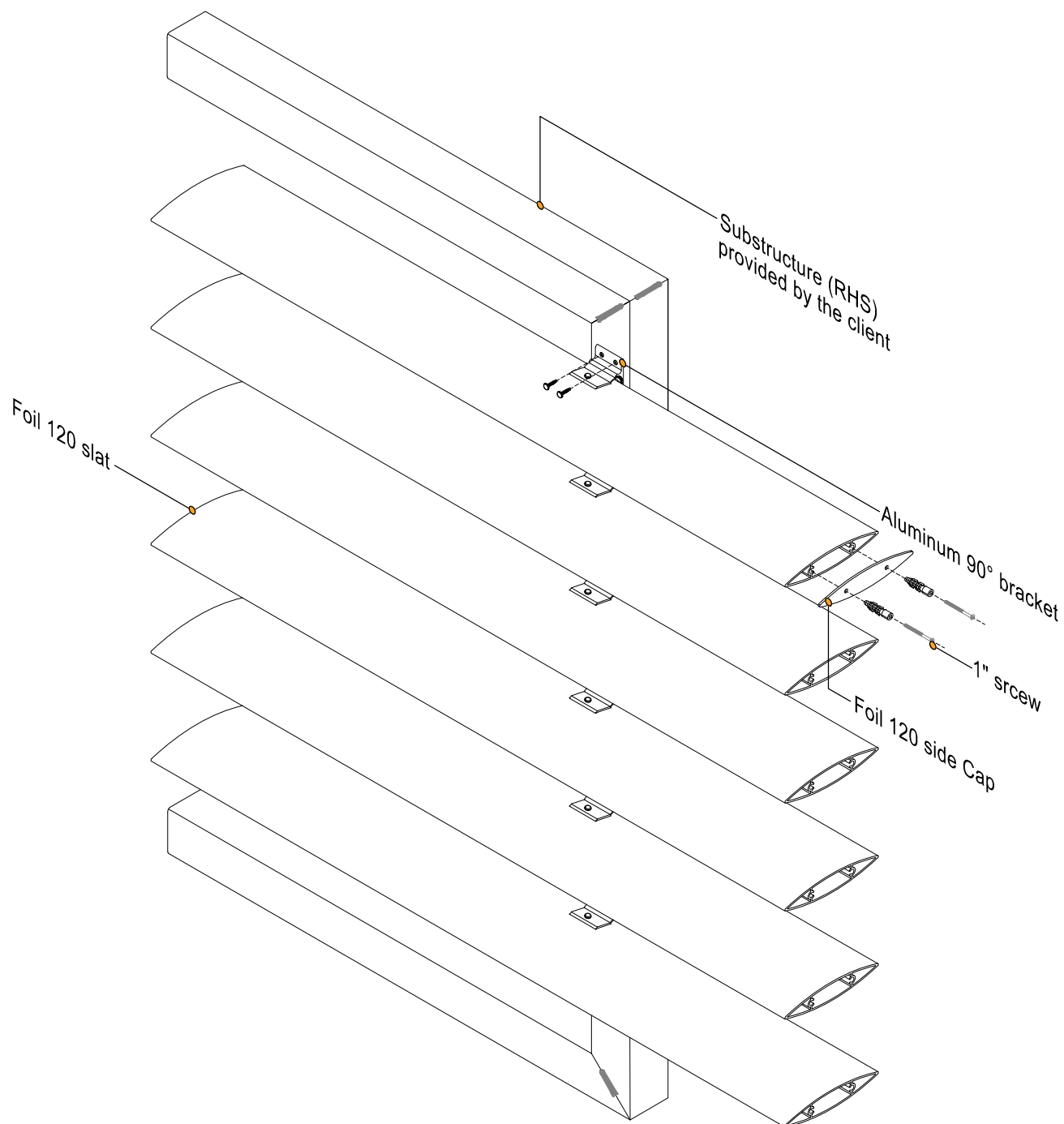
Date: October 2020
Dimensions: mm. (in.)



FOIL 120

ANCHORAGE TO SUB STRUCTURE (RHS) PROVIDED BY THE CLIENT

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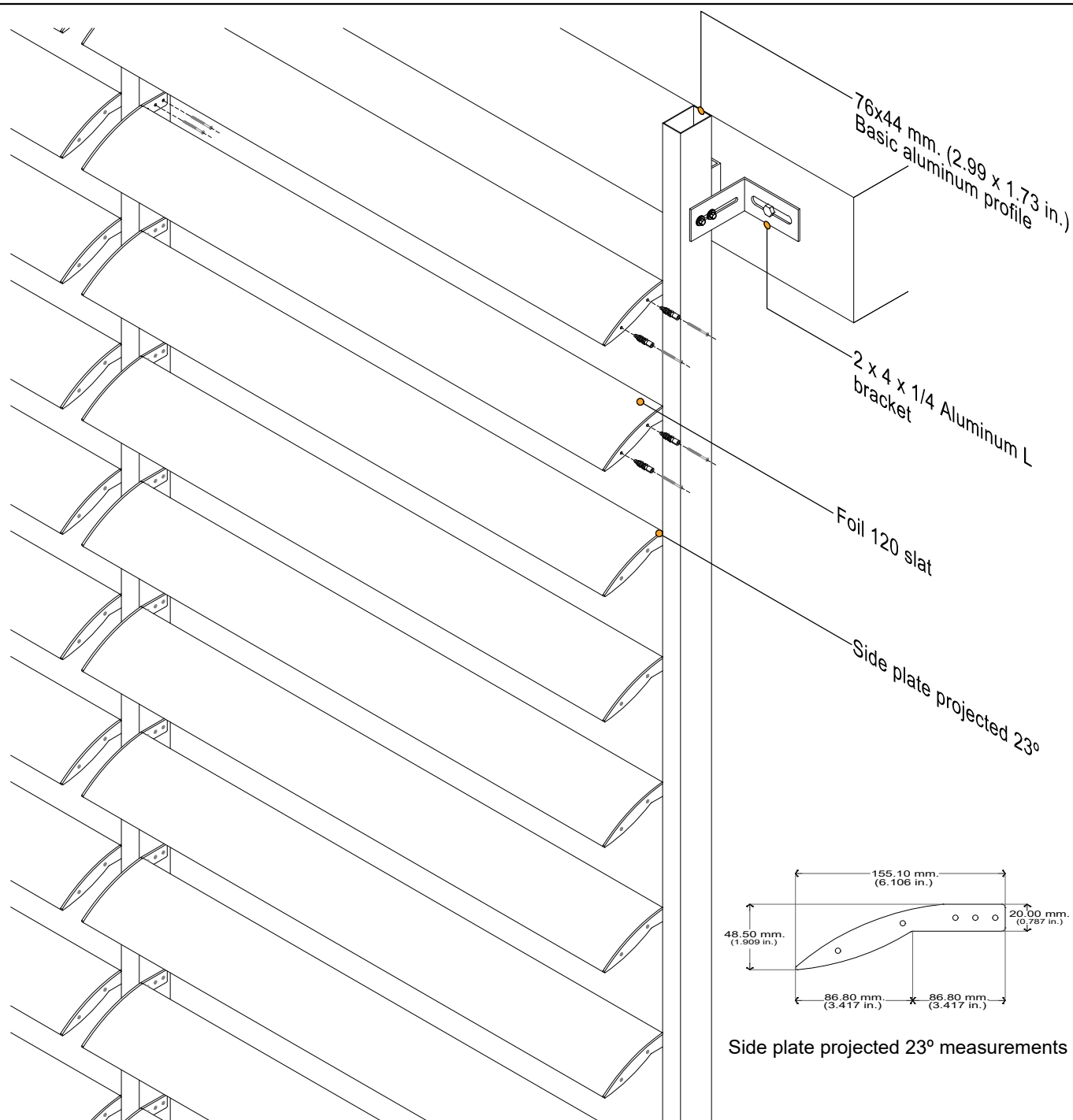
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Revision:
Date: October 2020
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FOIL 120

FACADE PROPOSAL (ALUMINUM SIDE PLATE PROJECTED 23°)

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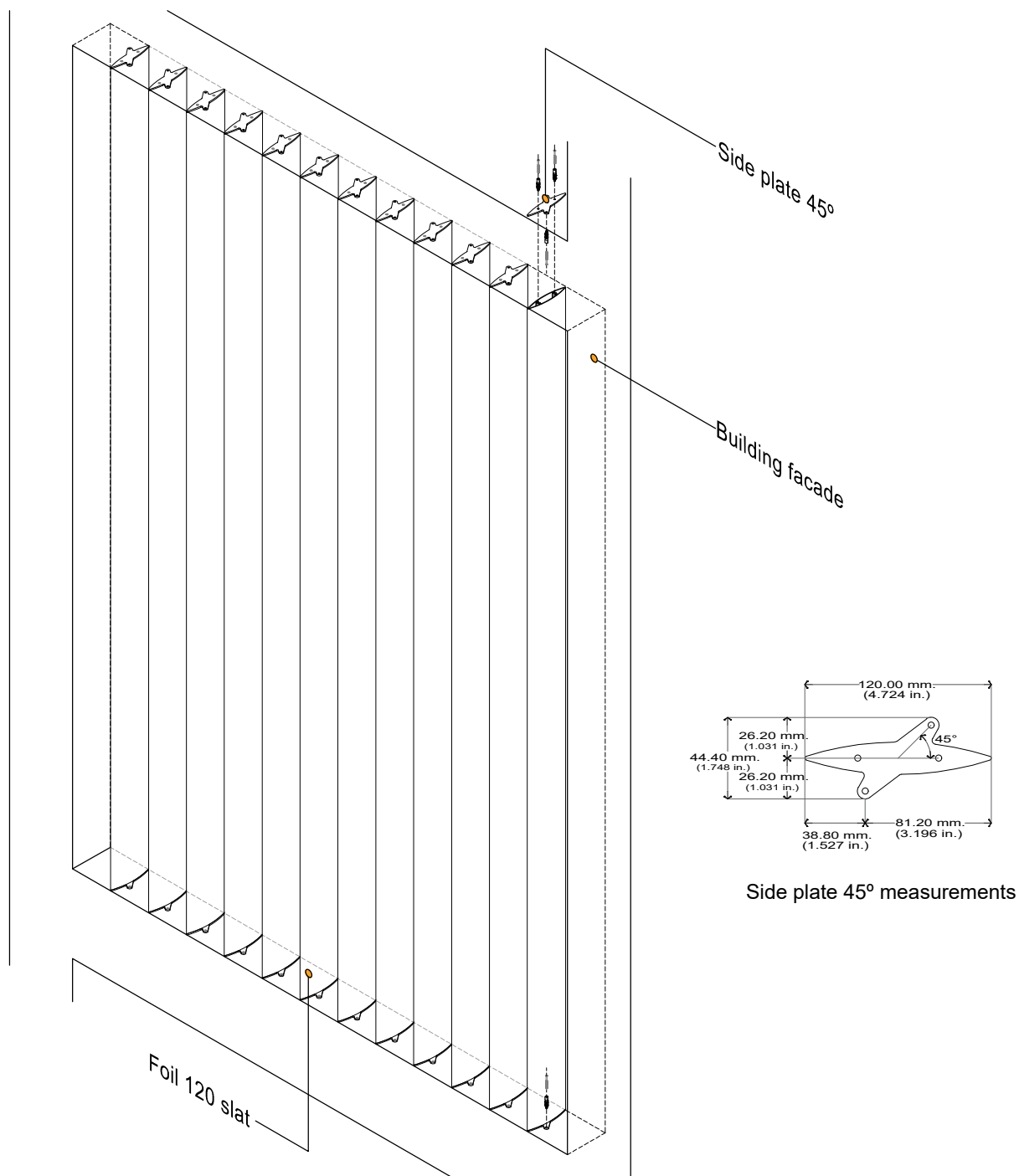
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Revision:
Date: October 2020
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FOIL 120

FACADE PROPOSAL IN BUILDING SPAN (ALUMINUM SIDE PLATE 45°)

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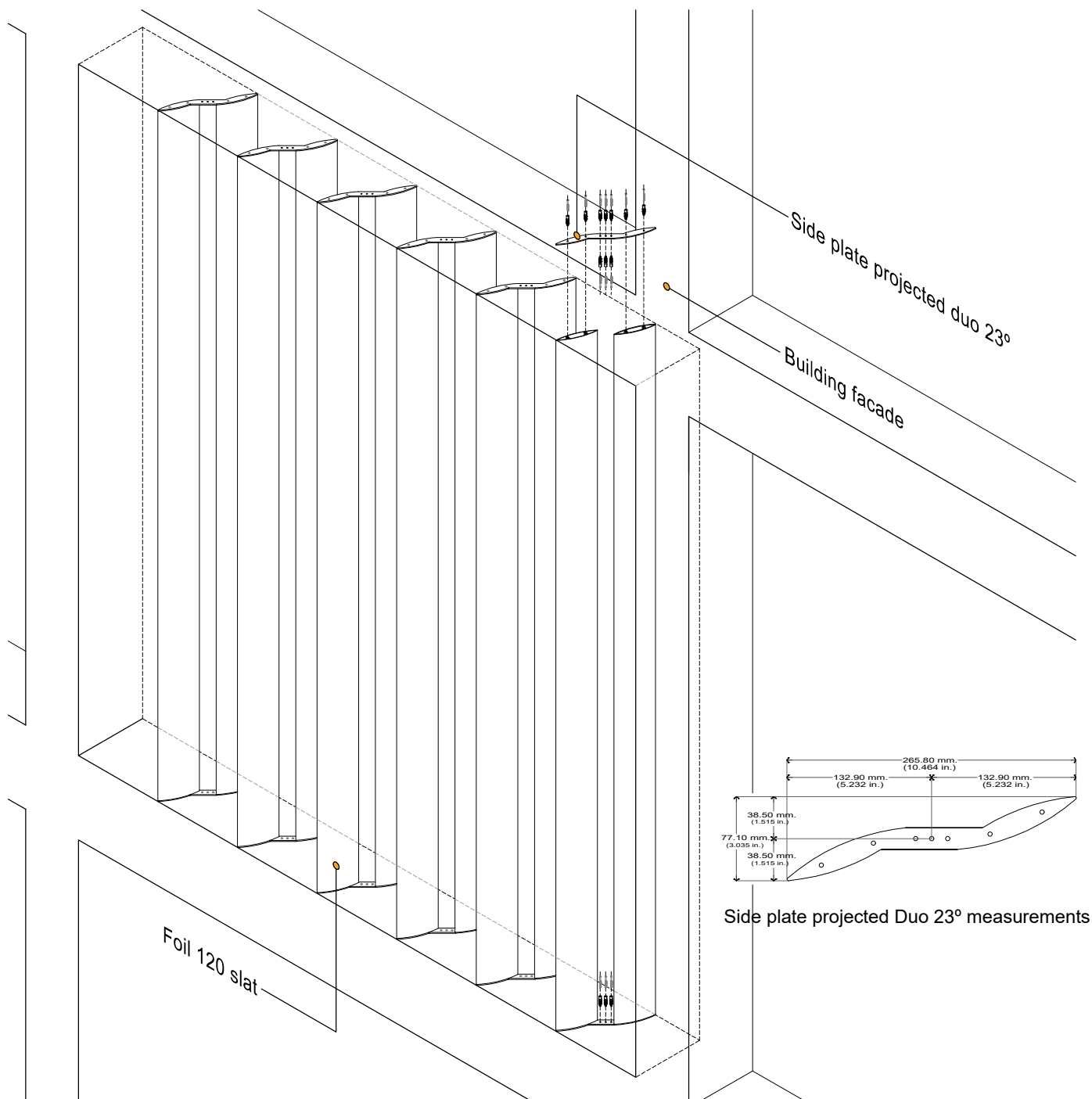
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FOIL 120

FACADE PROPOSAL IN BUILDING SPAN (ALUMINUM SIDE PLATE PROJECTED DUO 23°)

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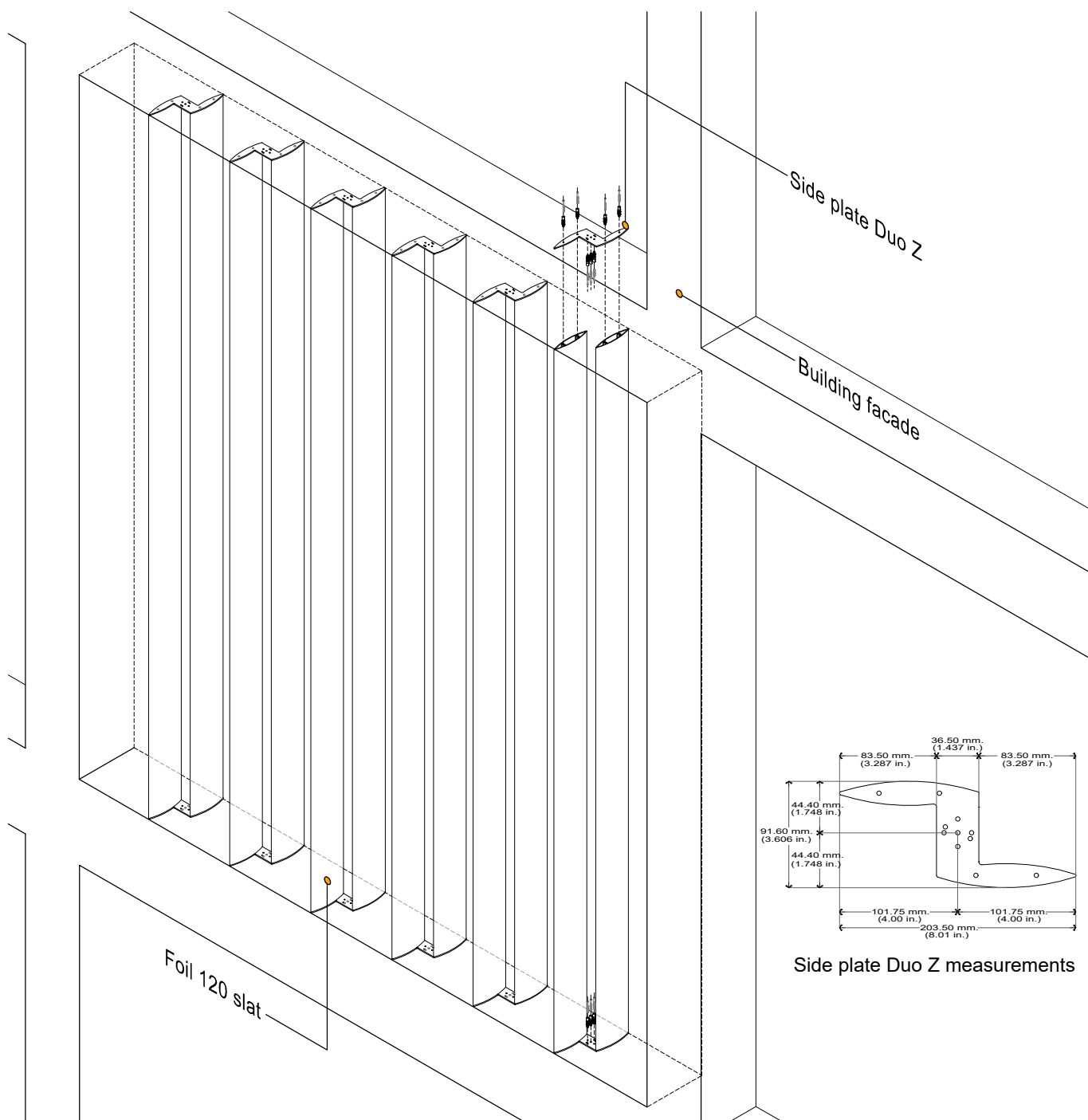
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FOIL 120

FACADE PROPOSAL IN BUILDING SPAN (ALUMINUM SIDE PLATE DUO Z)

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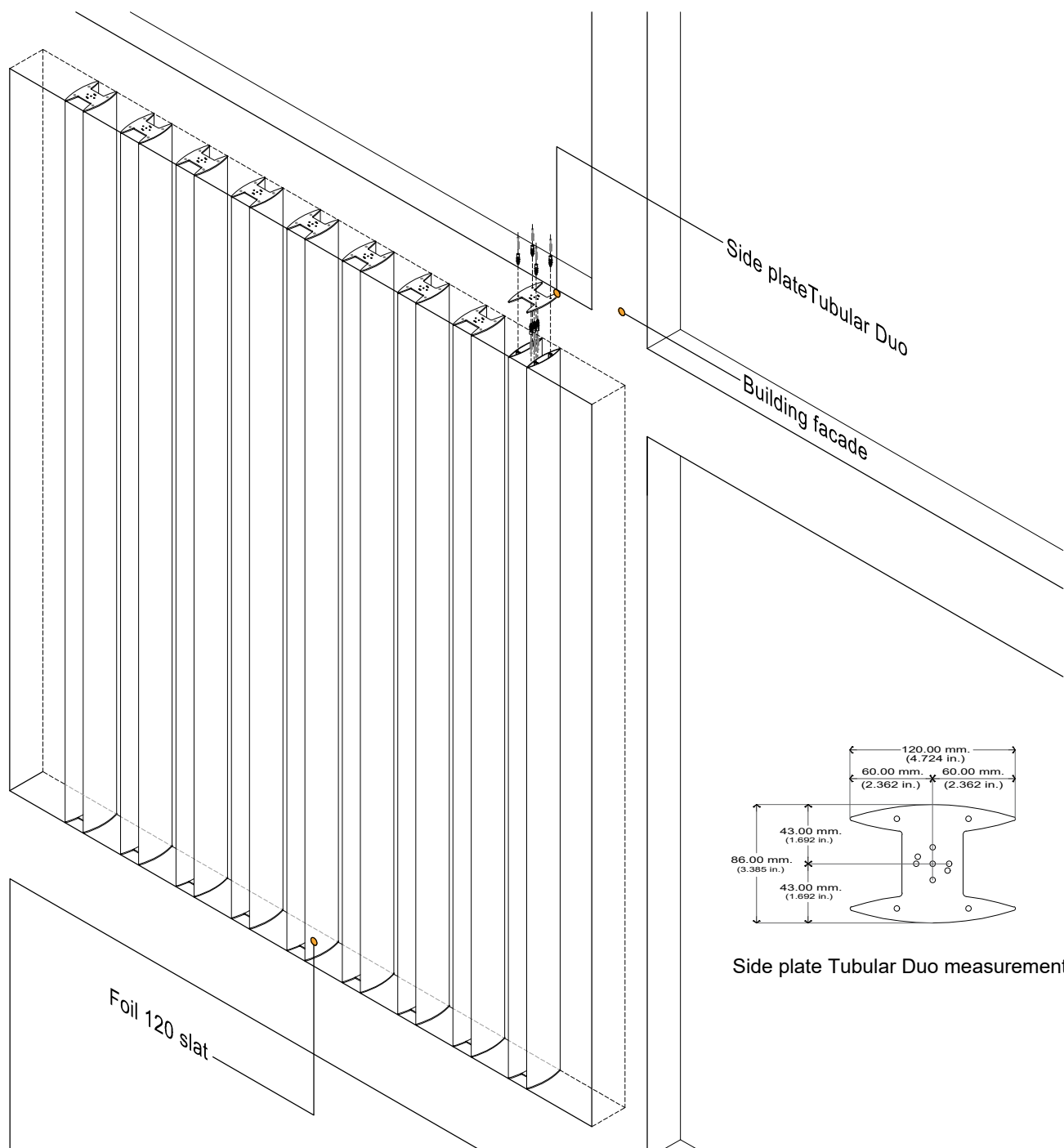
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FOIL 120

FACADE PROPOSAL IN BUILDING SPAN (ALUMINUM SIDE PLATE TUBULAR DUO)

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Side plate Tubular Duo measurements

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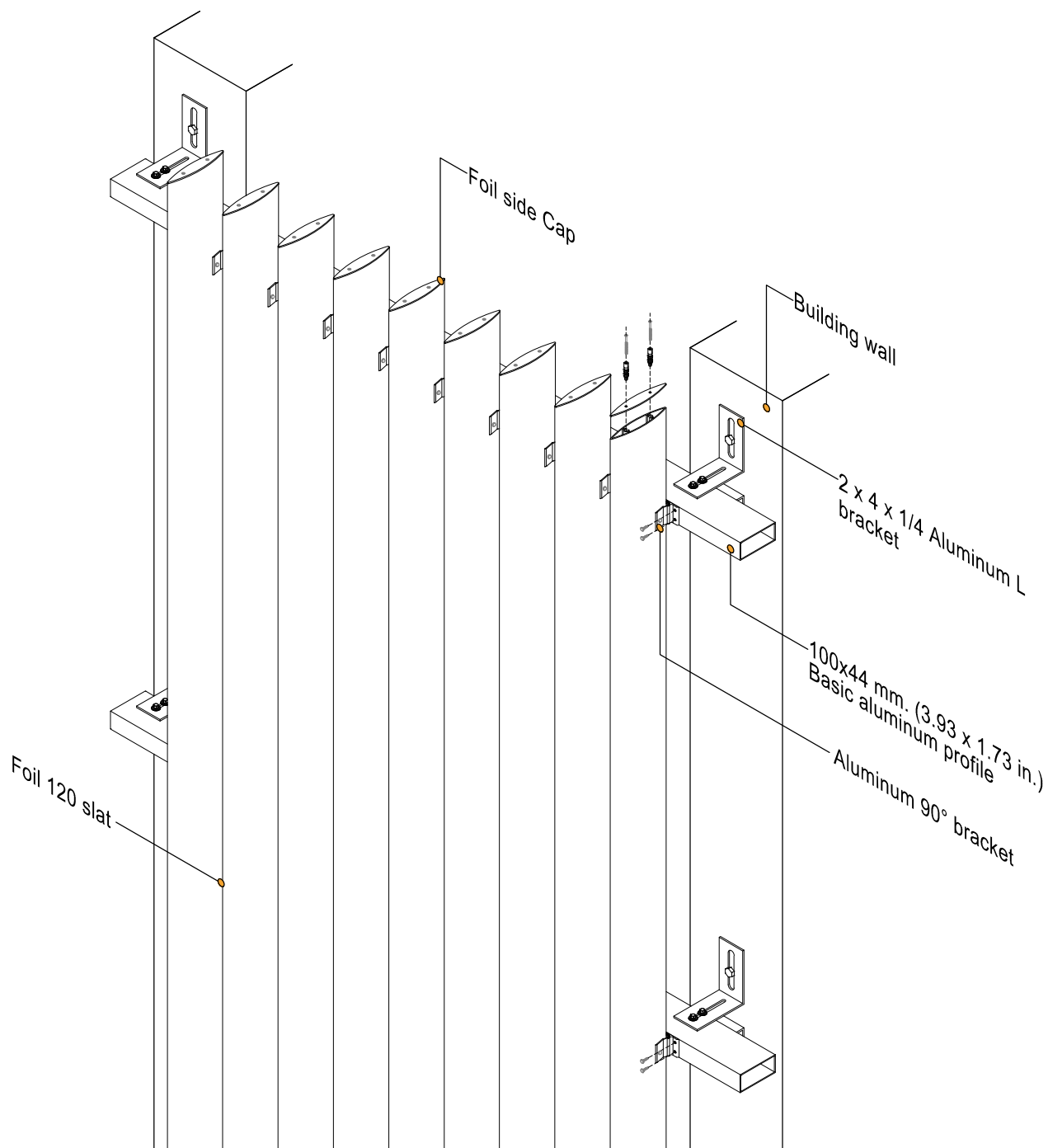
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Revision:
Date: October 2020
Dimensions: mm. (in.)



FOIL 120

VERTICAL FACADE PROPOSAL (WALL ANCHORING BRACKETS 90°)

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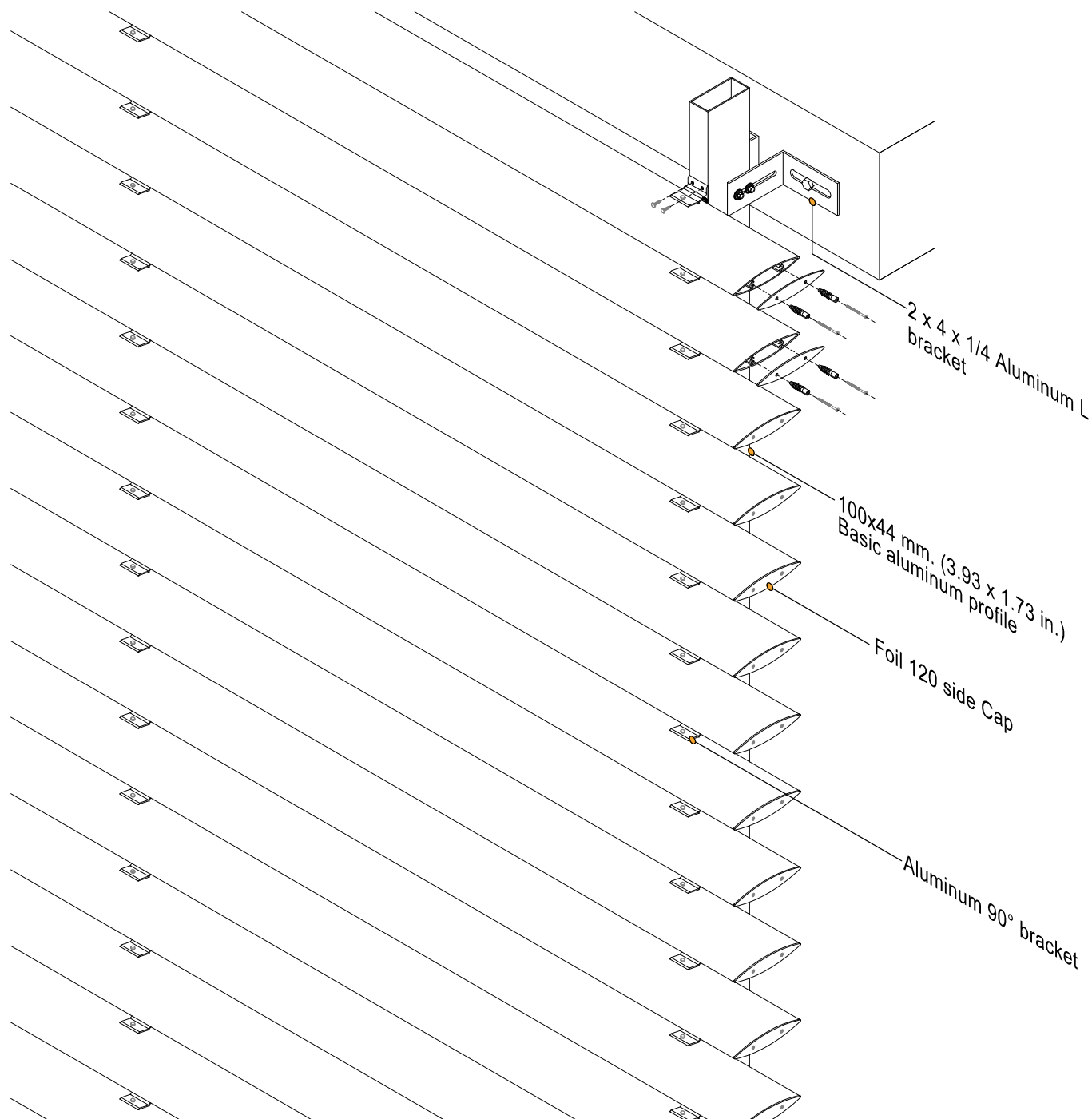
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FOIL 120

FACADE PROPOSAL (ALUMINUM 90° BRACKET)

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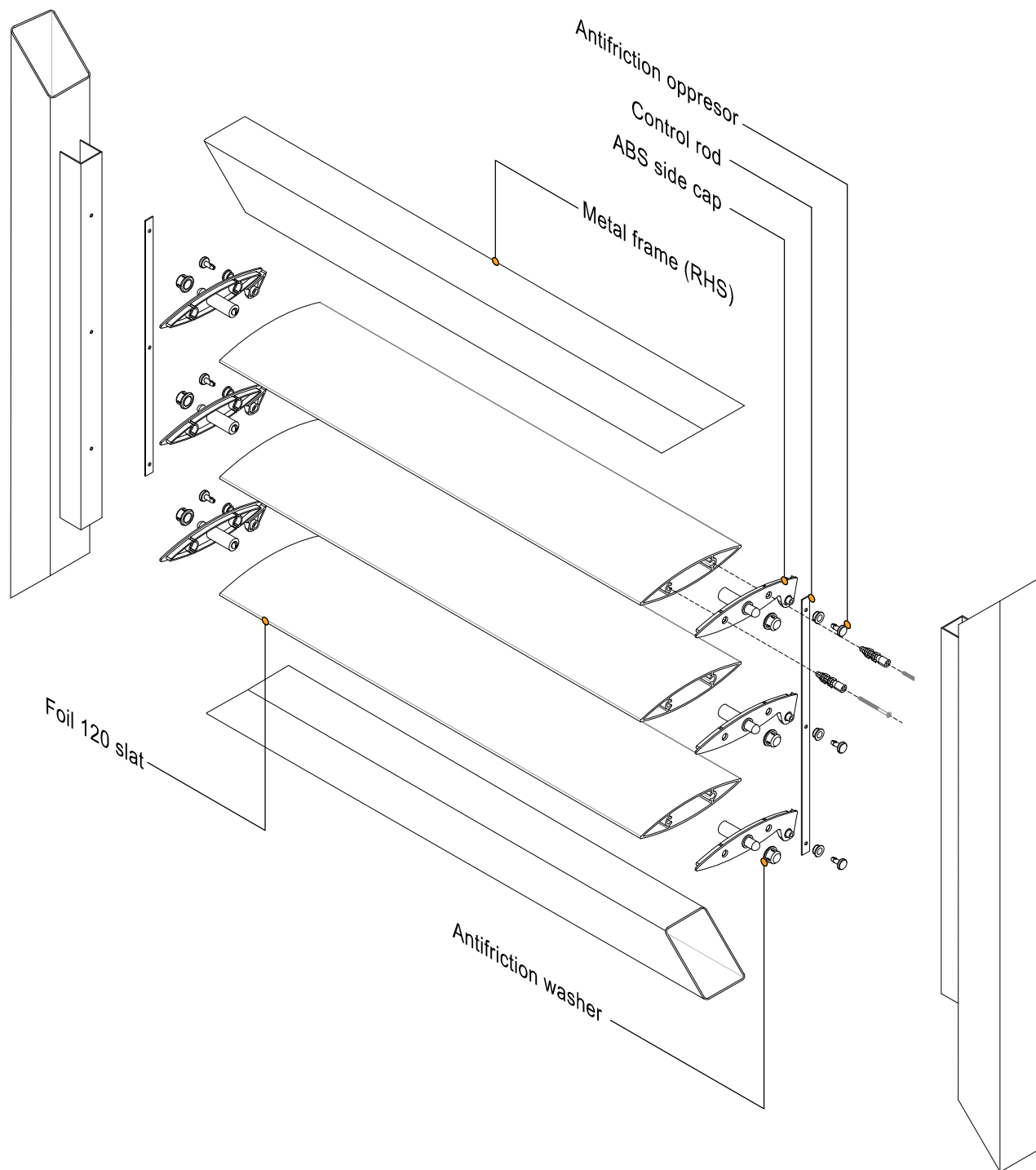
Date: October 2020
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FOIL 120

DETAIL OF MOBILE SLAT SYSTEM COMPONENTS

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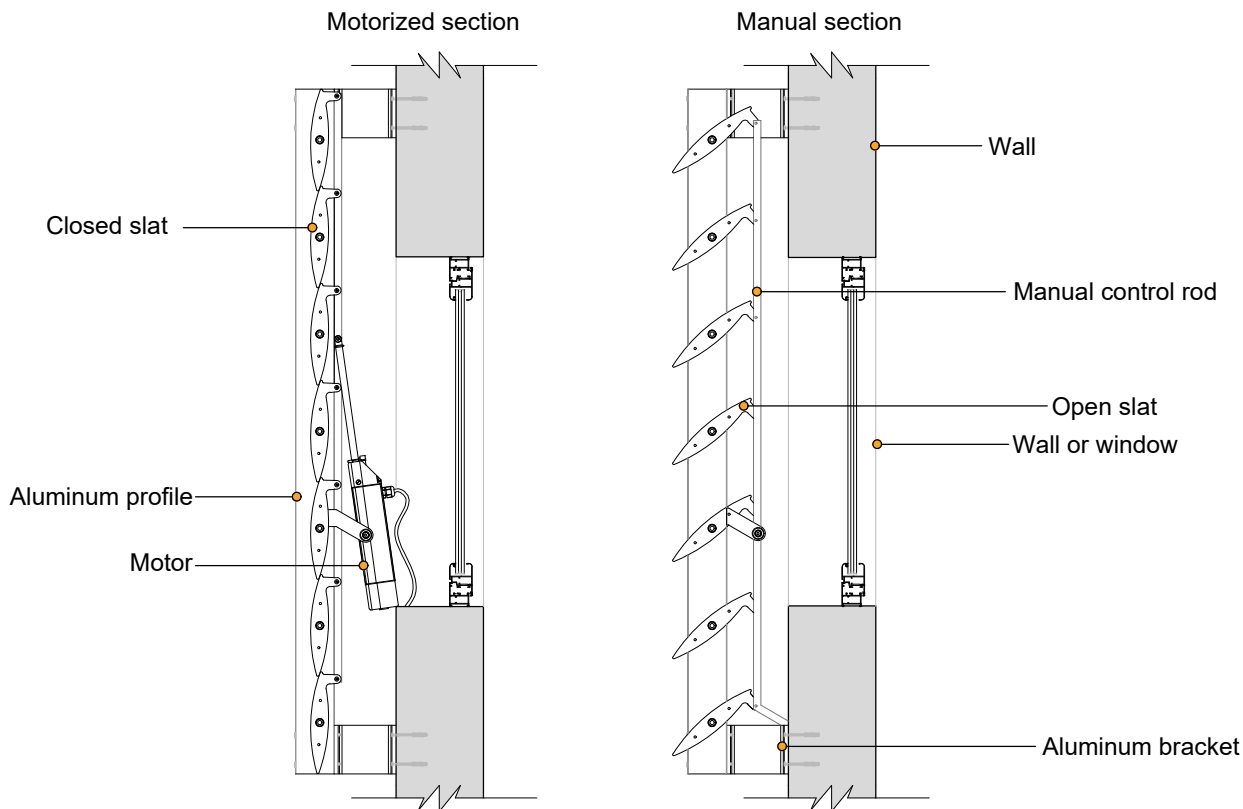
Date: October 2020
Dimensions: mm. (in.)



FOIL 120

SUNSET SF MOBILE SYSTEM DETAIL (MOTORIZED AND MANUAL SLAT IN WINDOW SPACE)

Page 20-21



Number of slats per meter (SPM)

8.57

Clearance between slats	100.20 mm. (3.944 in.)
-------------------------	------------------------

DV Maximum distance between slat attachment horizontal installation	2000 mm. (78.740 in.)
---	-----------------------

DV Maximum distance between slat attachment vertical installation	2000 mm. (78.740 in.)
---	-----------------------

Emittance according to ASTM C 1371 / Clear anodized and raw aluminium	0.645
---	-------

Reflectance according to ASTM C 1549 / Clear anodized and raw aluminium	0.759
---	-------

Accelerated aging to ASTM G151 / Clear anodized and raw aluminium	0.000
---	-------

Extruded aluminium alloy 6063, tempering T5, post-consumption content 51.60%, pre-consumption content 13.70% Snap-on anchored slats to vertical supports, without screws to avoid risk of oxidation

Technical department fácilfaçades®

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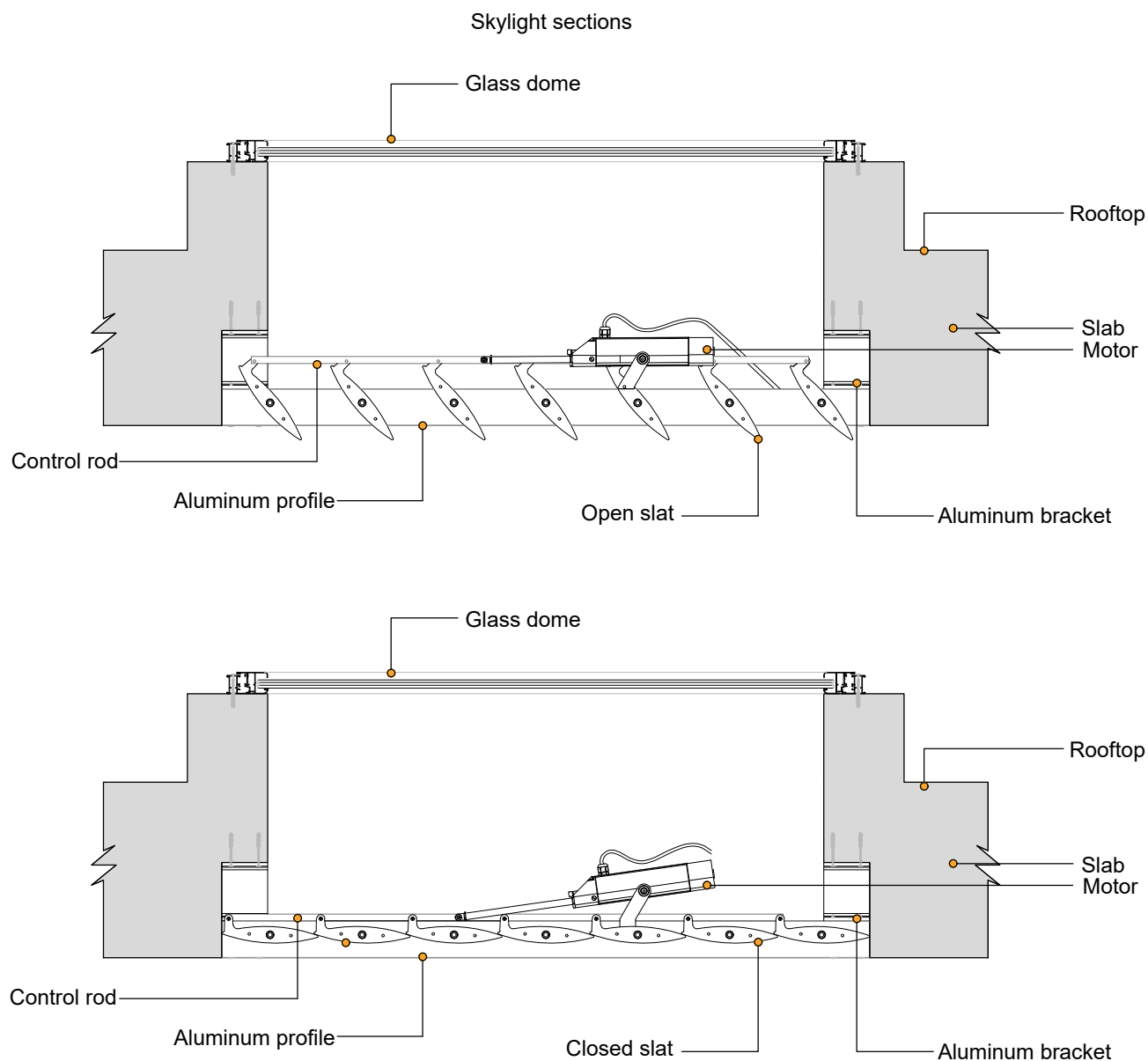
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FOIL 120

SUNSET SF MOBILE SYSTEM DETAIL (MOTORIZED SLAT INSIDE THE DOME)

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Technical department fácilfaçades®

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Dimensions: mm. (in.)

