PLANE 177X30

SNAP-ON SYSTEM

Plane 177X30
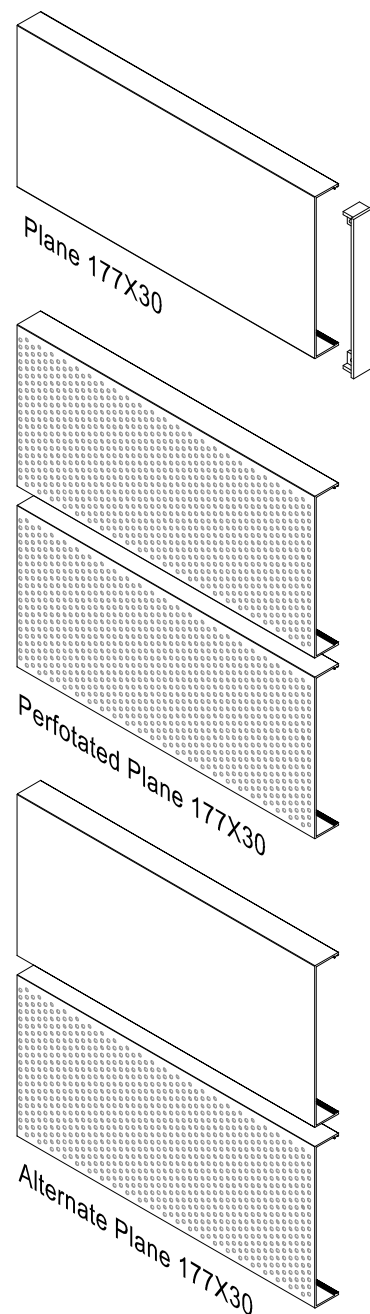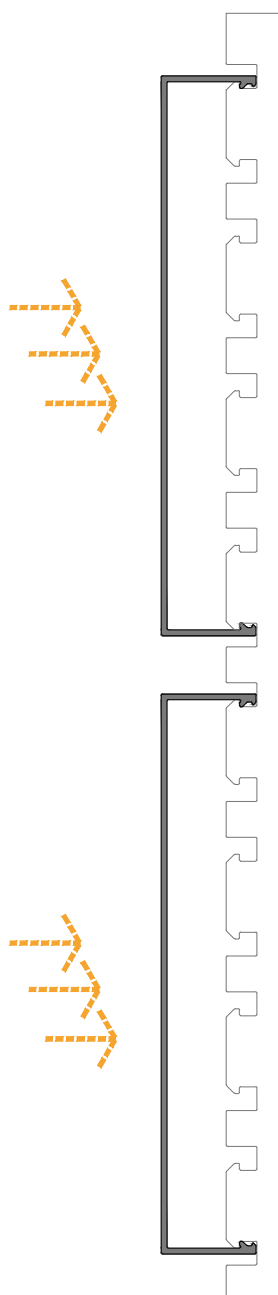
Perfotated Plane 177X30

Alternate Plane 177X30

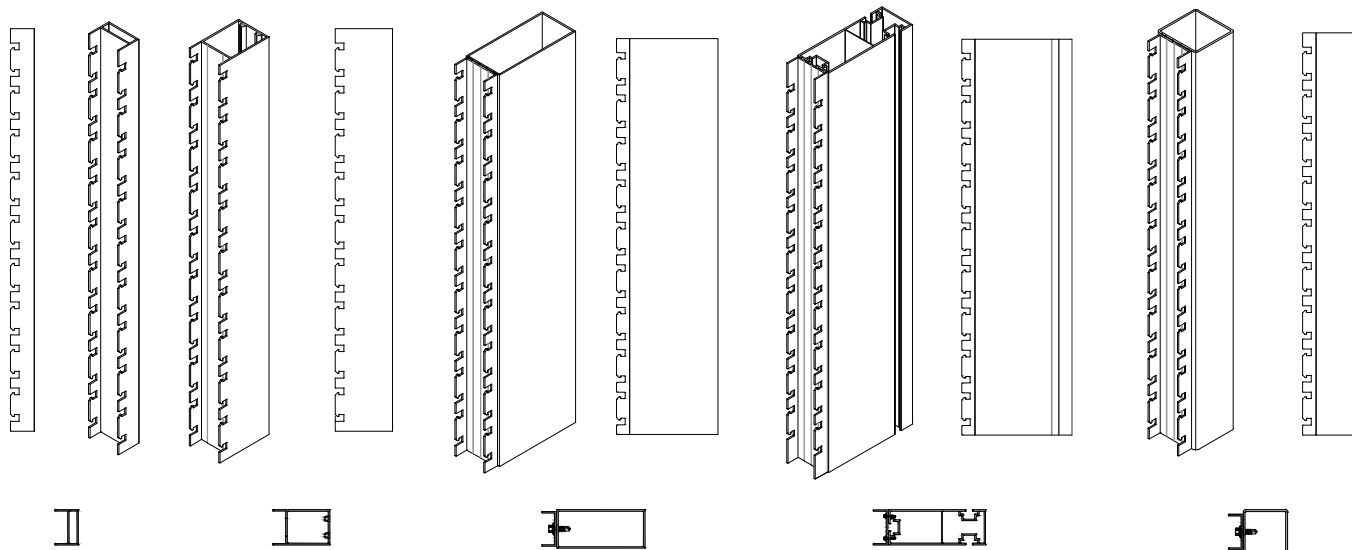| Technical department fácilfaçades® | Revision: |
| Specification workshop | Revision: |

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PLANE 177X30

SELECTION OF SUPPORTS ACCORDING TO THE SEPARATION BETWEEN ANCHORS

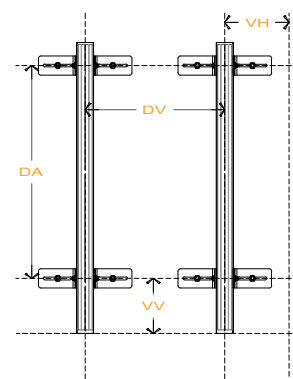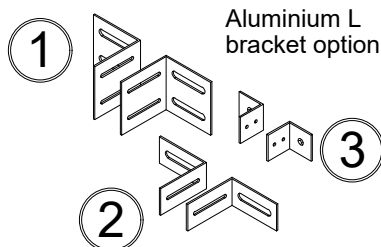| Option A Die cut V1 | Option B Die cut V1 | Option C Die cut V1 | Option D Die cut V1 | Option E Die cut V1 |

Distances for installation of structural supports

Nm	Structural support options	Maximum distance (DA)	Maximum distance (DV)
A	Basic RM profile, wall covering	1300 mm. (51.18 in.)	1300 mm. (51.18 in.)
B	(T) support whith die cut area 65X40 (2.55x1.57 in.)	2200 mm. (86.61 in.)	1300 mm.
C	Basic support whith adapter profile 100X44 (3.93x1.73 in.)	3300 mm. (129.92 in.)	1300 mm.
D	Basic facade support whith adapter profile 110X40 (4.33x1.57 in.)	4000 mm. (157.48 in.)	1300 mm.
E	Adapter profile anchored to construction site	>4000 mm.	1300 mm.
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 anchors of brackets		
DV	Maximum distance between structural supports		
VV	Maximum vertical cantilever (support) 500 mm. (19.65 in.)		
VH	Maximum horizontal cantilever (slat) 200 mm. (7.87in.)		

Aluminium L bracket option

PLANE 177X30

SPECIFICATION PARAMETERS AND TEST

(1.181 in.)
Slat size
30 mm.

Slat size
176.98 mm.
(6.967 in.)

Air entrance
18.50 mm.
(0.728 in.)
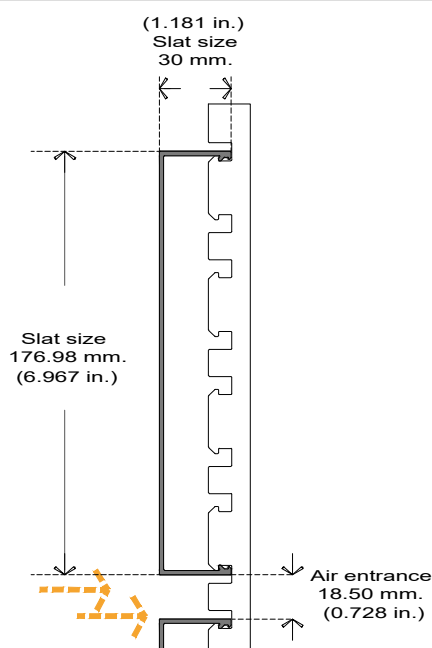
SPM 5.08

Number of slats per meter (SPM)
5.08

Clearance between slats	18.50 mm. (0.728 in.)
Free area (%)	7.55%
Wind load resistance	N.T
Water infiltration (%)	N.T
Air pressure drop (K value)	N.T
Thermal resistance (R value) M2°C/W	N.T
Thermal transmitance (U value) W/m2°C	N.T
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	N.T

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

*N.T: Test not performed

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PLANE 177X30

ANCHORING TO SLABS WHIT STRUCTURAL SUPPORT 100 X 44 mm. (3.93X1.73 in.)   Page 04-07

Wall fixing screw with expansion plug (By ohters)

2 x 4 x 1/4 Aluminum L bracket

1 x 1/4" Self drilling galvanized hexagonal screw

Side cap

Plane 177X30

Universal die cut adapter profile
3/4 galvanized self driling screw

100x44 mm. (3.93 x 1.73 in.) Basic aluminum profile

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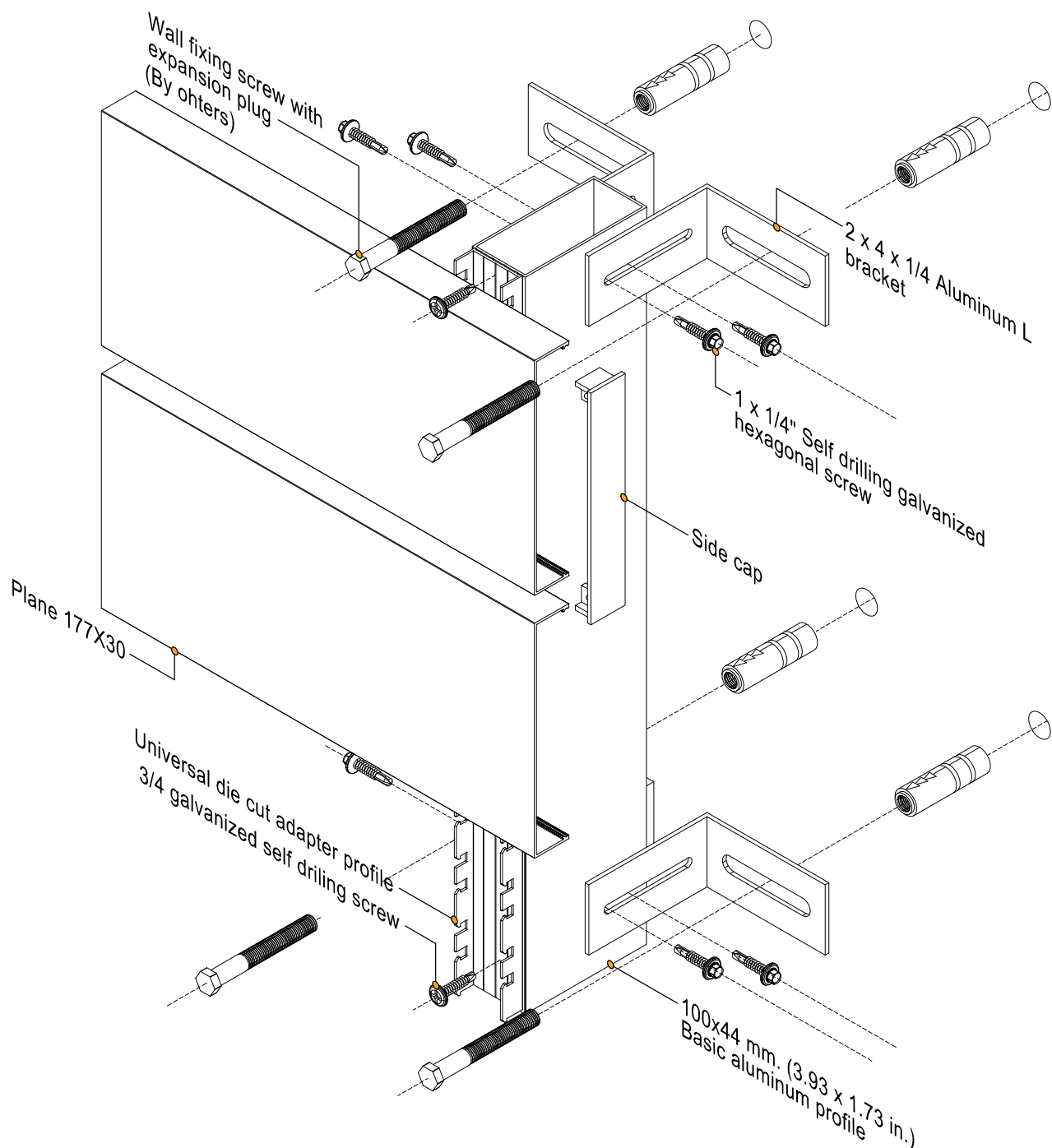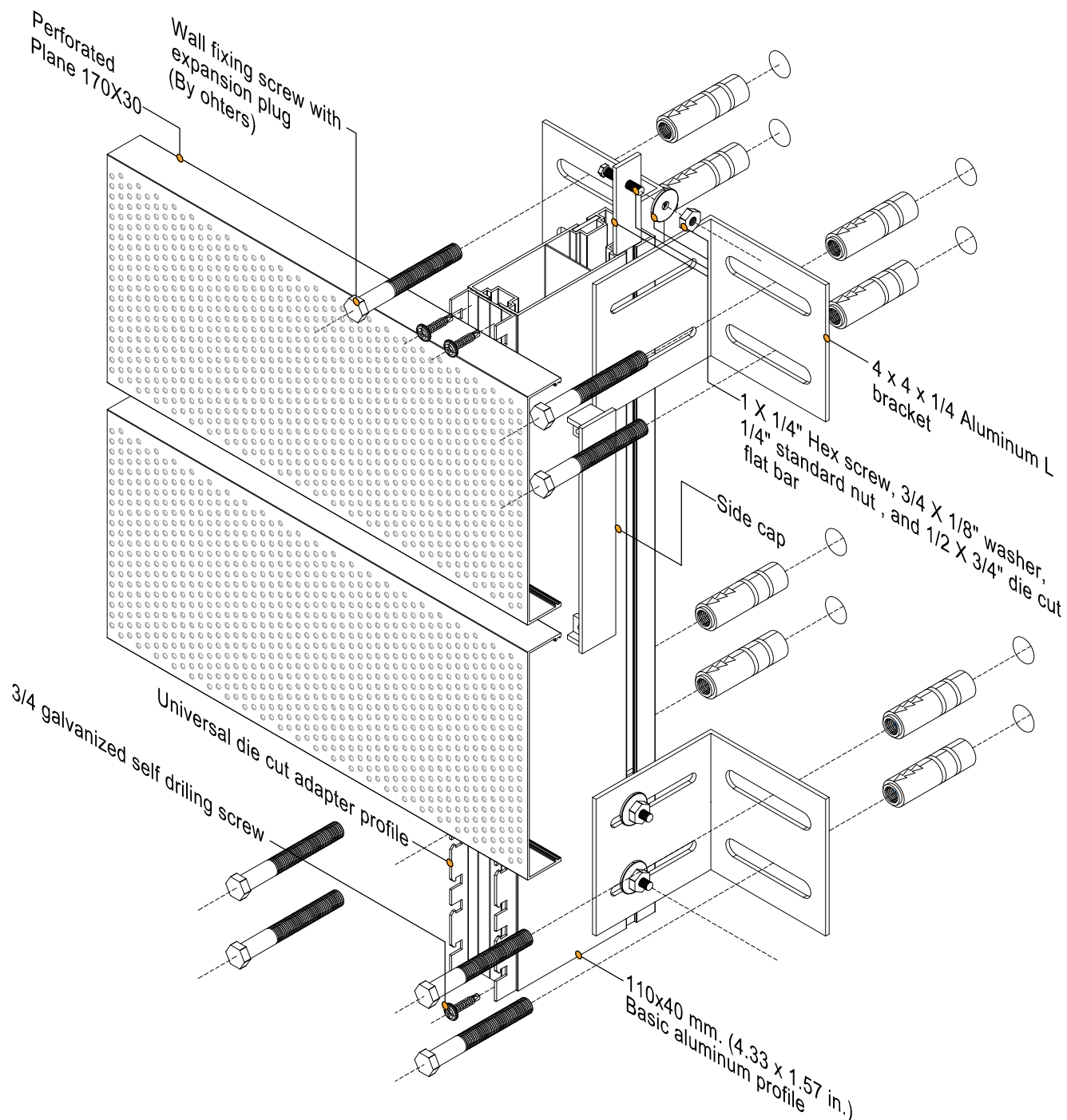Revision:
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PLANE 177X30

ACHORING TO SLABS WITH STRUCTURAL SUPPORT 110 X 40 mm. (4.33X1.57 in.)   Page 05-07

Perforated Plane 170X30

Wall fixing screw with expansion plug (By ohters)

4 x 4 x 1/4 Aluminum L bracket

1 X 1/4" Hex screw, 3/4 X 1/8" washer, 1/4" standard nut , and 1/2 X 3/4" die cut flat bar

Side cap

Universal die cut adapter profile

3/4 galvanized self driling screw

110x40 mm. (4.33 x 1.57 in.) Basic aluminum profile

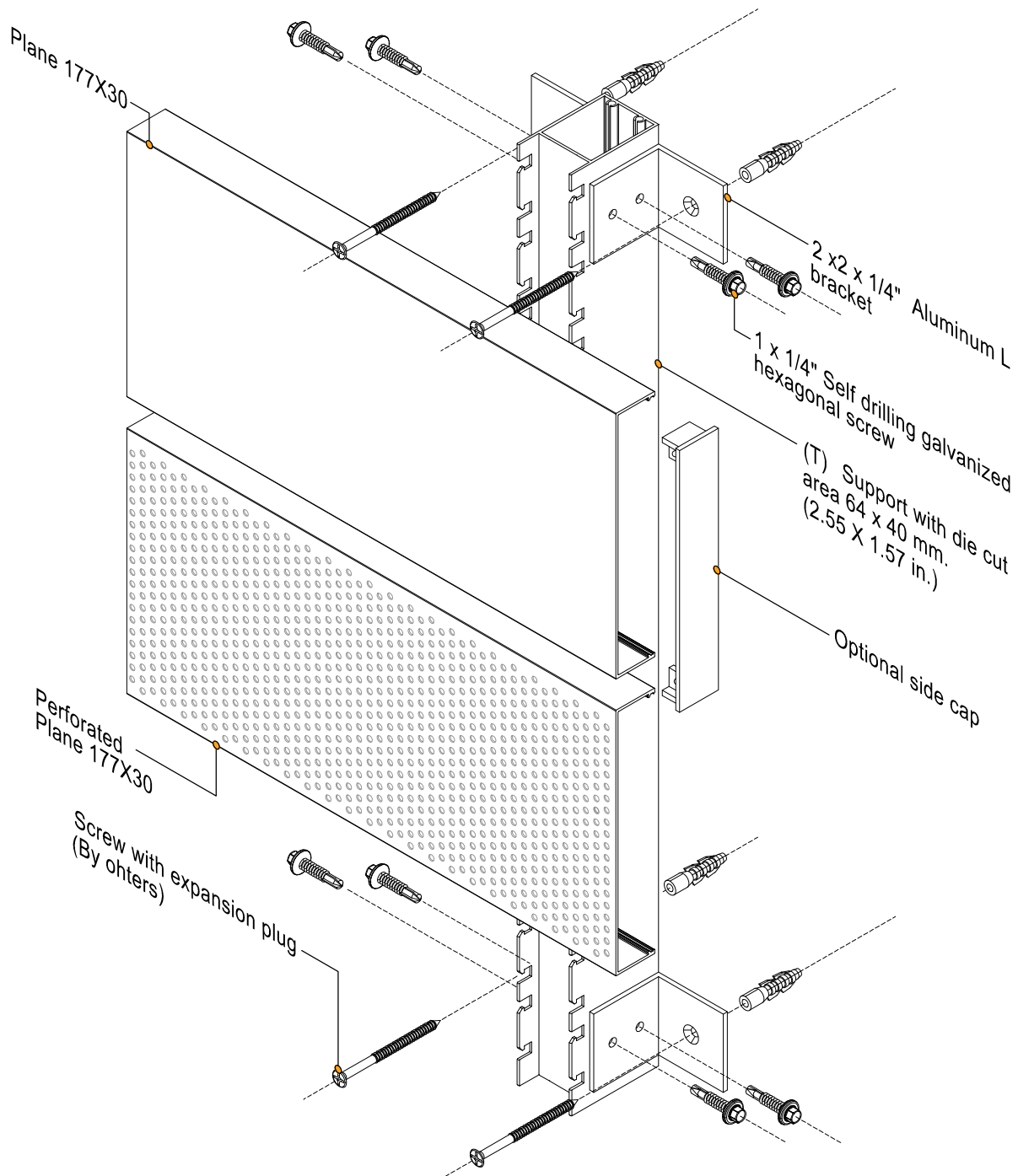| Technical department fácilfaçades® | Revision: |
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PLANE 177X30

ANCHORAGE TO SUB STRUCTURE WITH STRUCTURAL SUPPORT
(T) 65 X 40 mm. (2.55 X 1.57 in.)

Plane 177X30

2 x2 x 1/4" Aluminum L bracket

1 x 1/4" Self drilling galvanized hexagonal screw

(T) Support with die cut area 64 x 40 mm. (2.55 X 1.57 in.)

Optional side cap

Perforated Plane 177X30

Screw with expansion plug (By ohters)

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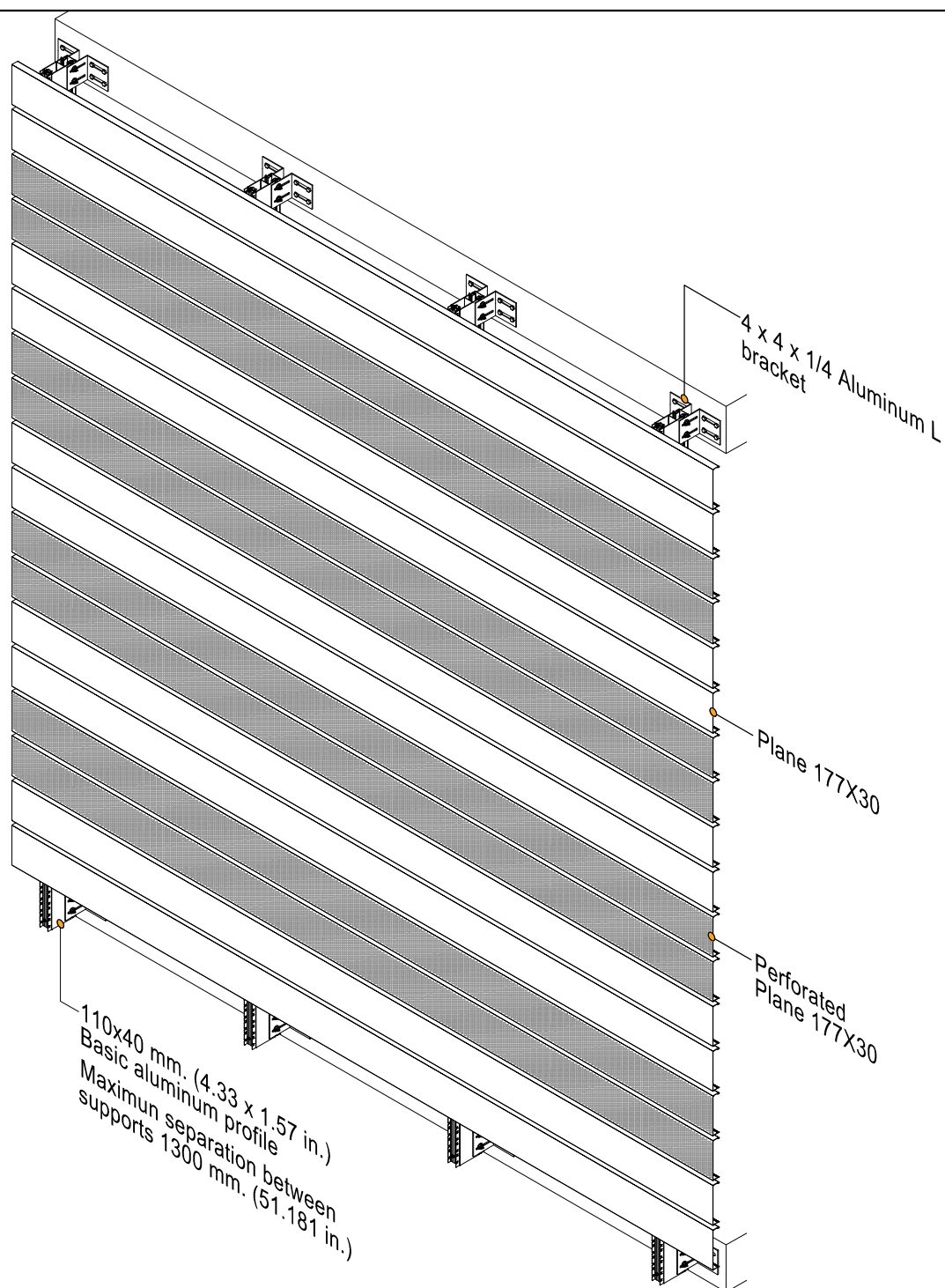Authorization:

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PLANE 177X30

DYNAMIC VENTILATED FACADE PROPOSAL

4 x 4 x 1/4 Aluminum L bracket

Plane 177X30

Perforated Plane 177X30

110x40 mm. (4.33 x 1.57 in.)
Basic aluminum profile
Maximun separation between
supports 1300 mm. (51.181 in.)

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