



MetalWorks™
WH1100 & WH1000
Wall Systems



Armstrong®
World Industries

MetalWorks™ WH1100 & WH1000 Wall Systems

The WH1000 & WH1100 systems combine tradition with innovation, safety with functionality, and elegant design with solid, down-to-earth practicality.

These versatile custom systems for metal plank designs offering a broad range of panel sizes, perforations, and finishes.

Custom MetalWorks
WH1000 Walls

Build character
in your space







MetalWorks™ WH1100 Wall System; Berklee Music Student Center, Boston, MA; William Rawn Architects



MetalWorks™ WH1100 Wall System

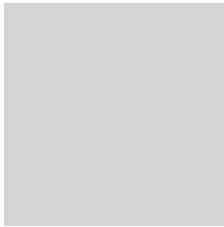
Custom MetalWorks WH1100 & WH1000 Walls

- Available in standard colors and 17 Effects™ wood-look finishes
- Custom colors and wood-look options available
- Smooth visual with durable metal panels – perfect for high-traffic areas
- Seamless outer corners
- Acoustical options offer a wide choice of standard and custom perforations
- Available in many sizes and shapes
- Configurable system to meet your design needs
- Fully concealed suspension system
- MetalWorks™ FASTPeel™ panels feature an easier-to-peel protective film

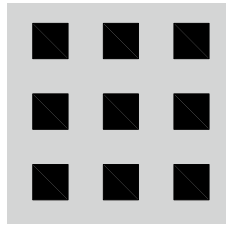


Technology & Properties

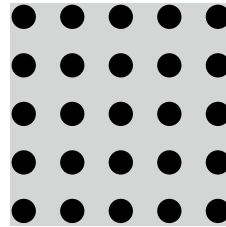
Perforation Pattern



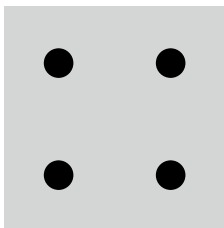
M1
(Unperforated)



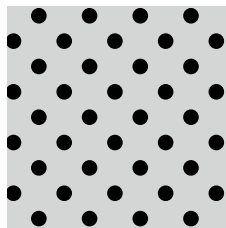
M6
(Qg 4205)



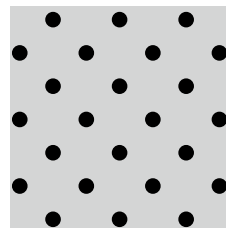
M10
(Rg 2516)



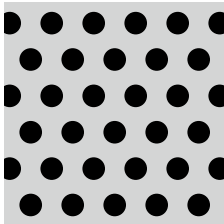
M14
(Rg 3205)



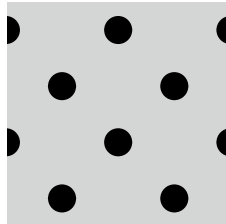
M15
(Rd 1612)



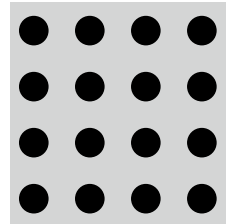
M16
(Rd 1607)



M17
(Rv 3223)



M18
(Rd 3210)



M19
(Rg 3220)

Acoustical Information

Acoustic fleece (offset-distance 60 mm) [2-11/32"]



M6 with Fleece



0.60

M10 with Fleece



0.60





MetalWorks™ WH1100 Wall System; University of Texas at San Antonio, Multidisciplinary Studies Building, San Antonio, TX; Alvidrez Architecture Inc.



MetalWorks™ WH1100 Wall Cladding; Dubai International Airport,
Dubai, United Arab Emirates; ADP Ingénierie

Specification / Execution

System

WH1000 Wall System hook-on, without visible fasteners offset distance standard $60+10/-15$ mm [$2-12/32$ " $+12/32$ " / $-19/32$ "] suspension at the vertical sides of the panel.

Materials

Standard material is 0.063" aluminum.

Surface Finished

Painted: Factory-applied polyester paint Effects™: Powder-coated, dye-sublimation, post-production
Custom colors and finishes available.

Execution

Rectangular panels square edged with standard notch for WH1100.

Joints

Standard black gasket and spacers 5 mm [$6/32$ "] at the horizontal and vertical sides of the panel.

Perforation

According to the perforation overview.

Inlay

Standard with black acoustic fleece (further inlays on request)

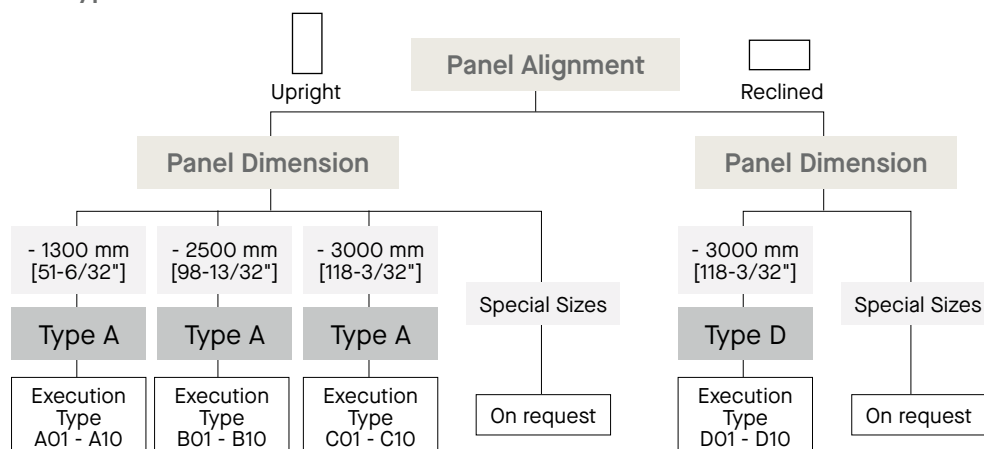
Dimension

Panel length: 600 – 3,000 mm [$23-19/32$ " – $118-3/32$ "]
Panel width: 124 – 1,000 mm [$4-29/32$ " – $39-13/32$ "]

Subconstruction

C-wall profile fixed with wall anchors to raw wall, unevenness of the raw wall can so be absorbed by the wall anchors.

Choice of Panel Type



Overview & Construction

MetalWorks™ Walls; Logan International Airport, Boston, MA;
Arrowstreet, Inc., Boston, MA



Overview & Construction

Type A • A01 - A10

Length A:

min. 600 mm / max. 1,300 mm
[min. 23-19/32" / max. 51-6/32"]

Width B:

min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

A04	A03	A05
A02	A01	A02
A05	A03	A04

Standard Execution

A08
A09
A08

One Single Line Upright

A06	A07	A06
-----	-----	-----

One Single Line Reclined

A10

One Single Panel

Type B • B01 - B10

Length A:

min. 1,301 mm / max. 2,500 mm
[min. 51-6/32" / max. 98-13/32"]

Width B:

min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

B04	B03	B05
B02	B01	B02
B05	B03	B04

Standard Execution

B08
B09
B08

One Single Line Upright

B06	B07	B06
-----	-----	-----

One Single Line Reclined

B10

One Single Panel

Type C • C01 - C10

Length A:

min. 2,501 mm / max. 3,000 mm
[min. 98-13/32" / max. 118-3/32"]

Width B:

min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

C04	C03	C05
C02	C01	C02
C05	C03	C04

Standard Execution

C08
C09
C08

One Single Line Upright

C06	C07	C06
-----	-----	-----

One Single Line Reclined

C10

One Single Panel

Type D • D01 - D10

Length A:

min. 600 mm / max. 3,000 mm
[min. 23-19/32" / max. 118-3/32"]

Width B:

min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

D04	D03	D05
D02	D01	D02
D05	D03	D04

Standard Execution

D08
D09
D08

One Single Line Upright

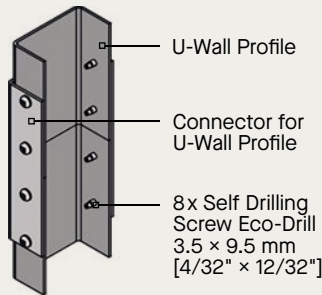
D06	D07	D06
-----	-----	-----

One Single Line Reclined

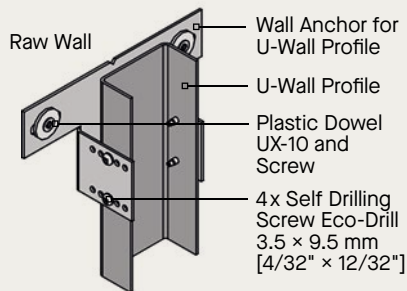
D10

One Single Panel

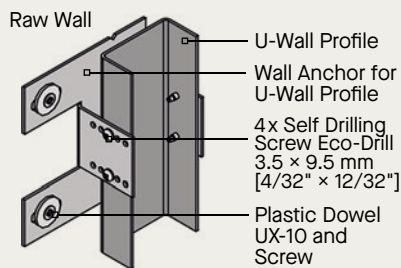
Detail A • Connector for U-Wall Profile



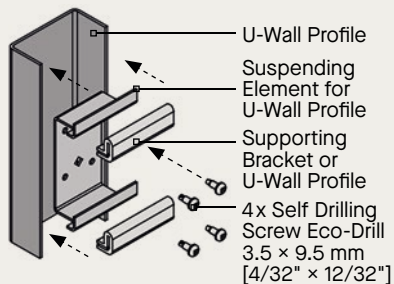
Detail B • Wall Anchor for U-Wall Profile



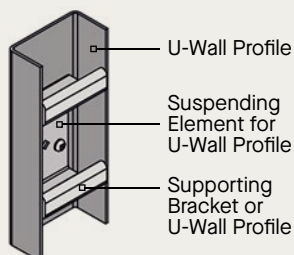
Detail C • Corner-Wall Anchor for U-Wall Profile



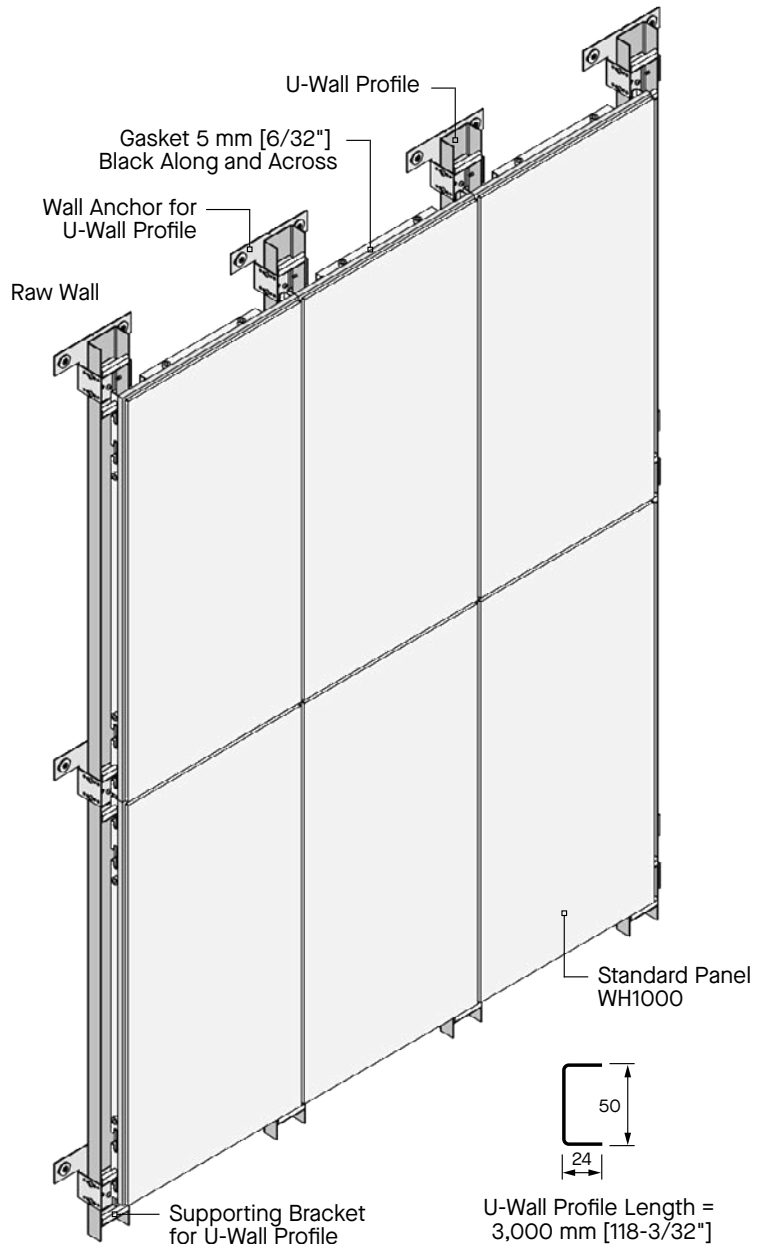
Detail D • Assembling of Suspending Element



Detail A • Suspending Element for U-Wall Profile



Perspectively View



Item No.	Designation
311.200	Plastic dowel UX-10
311.201	Screw for plastic dowel UX-10
315.623	U-wall profile
315.626	Connector for U-wall profile
315.627	Suspending element for U-wall profile
315.628	Supporting bracket for C- and U-wall profile
315.624	Wall anchor for U-wall profile
315.625	Corner-wall anchor for U-wall profile
311.191	Self drilling screw eco-drill 3.5 x 9.5 mm [4/32" x 12/32"]

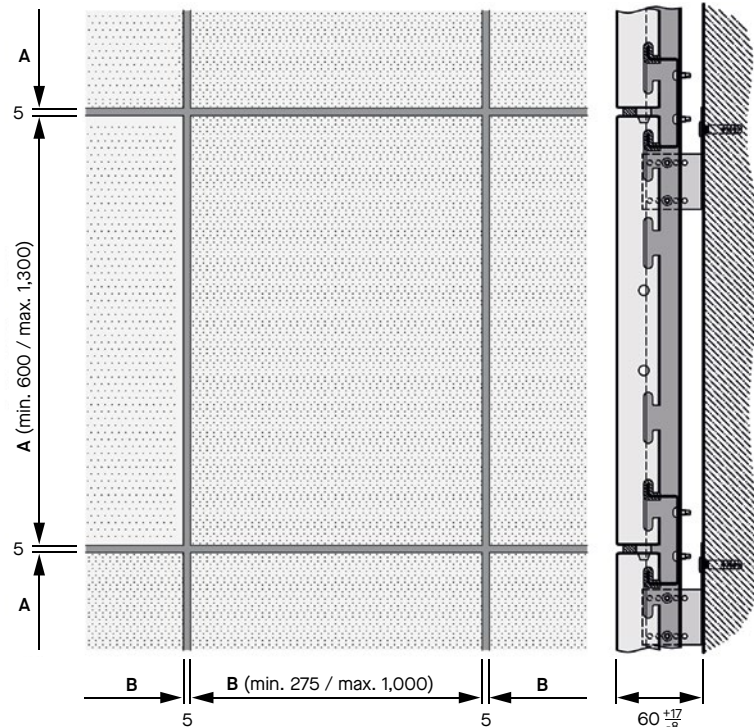
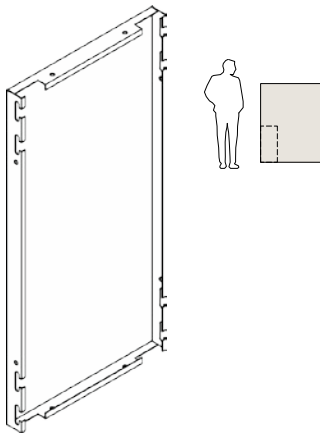
Wall Panel Types

Type A01

Length A:
min. 600 mm / max. 1,300 mm
[min. 23-19/32" / max. 51-6/32"]

Width B:
min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

2 suspension points on each long side of the panel, upright misplaced

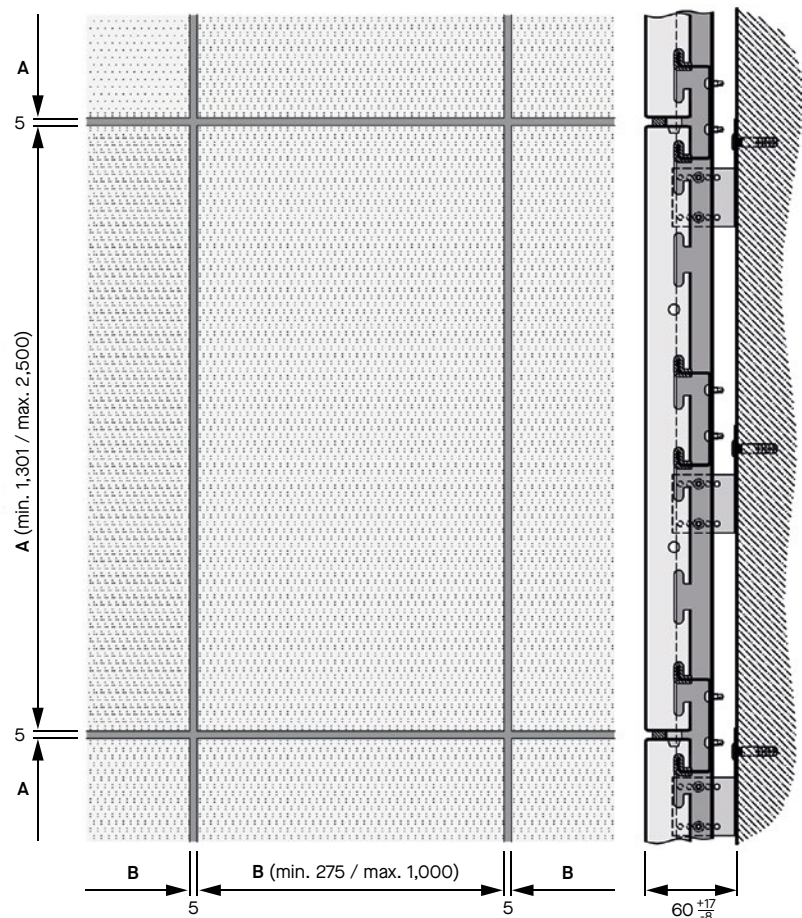
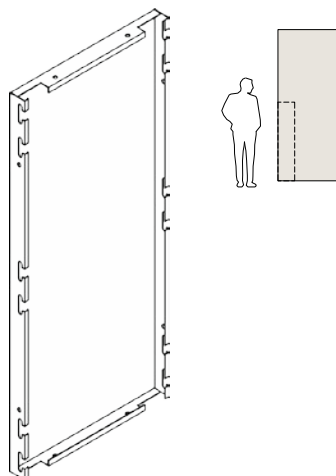


Type B01

Length A:
min. 1,301 mm / max. 2,500 mm
[min. 51-6/32" / max. 98-13/32"]

Width B:
min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

3 suspension points on each long side of the panel, upright misplaced



Type C01

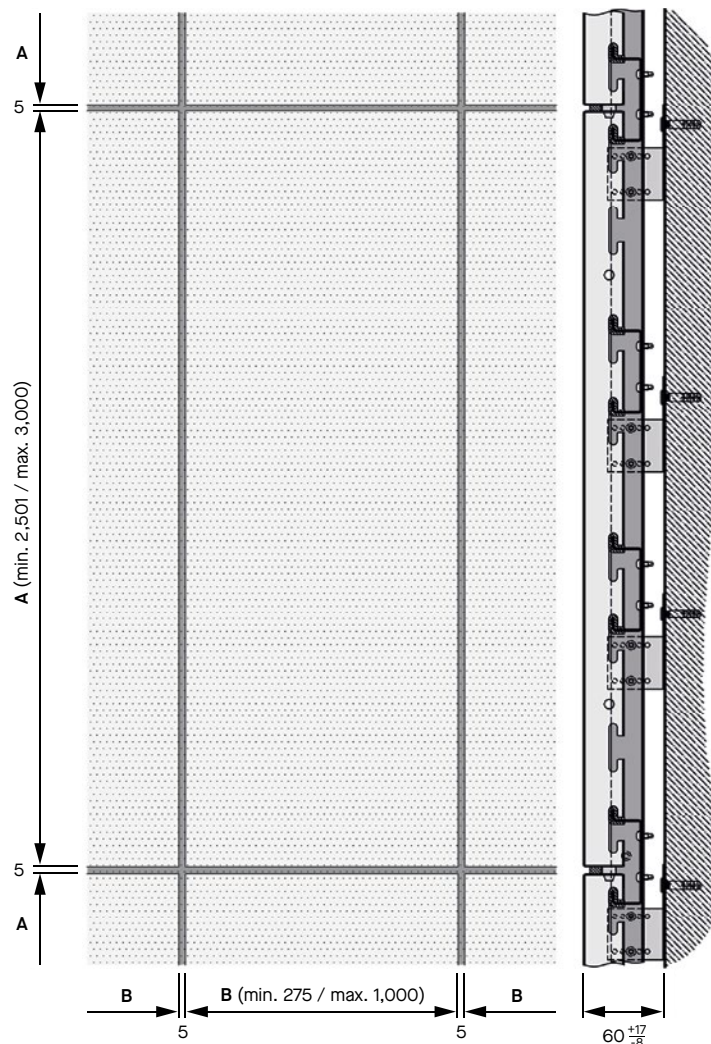
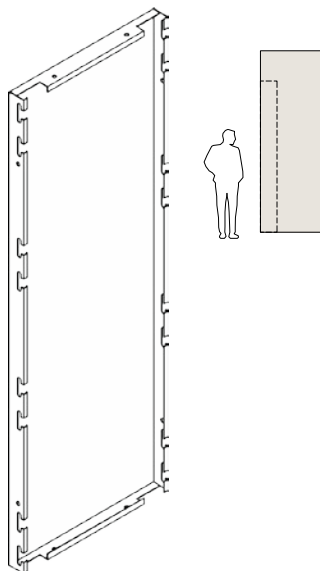
Length A:

min. 2,501 mm / max. 3,000 mm
[min. 98-13/32" / max. 118-3/32"]

Width B:

min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

4 suspension points on each long side of the panel, upright misplaced



Type D01

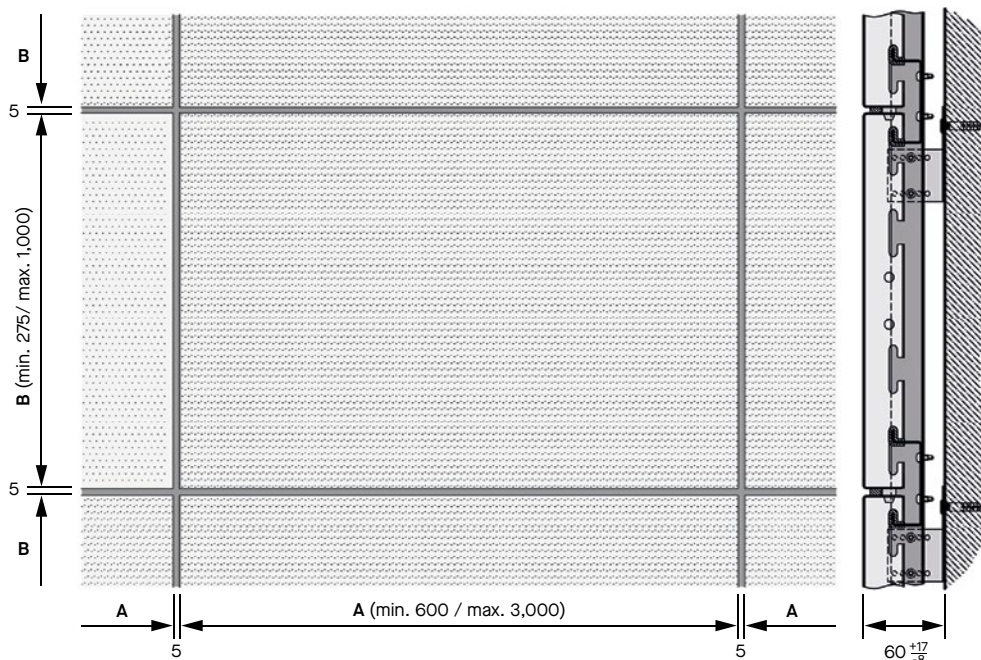
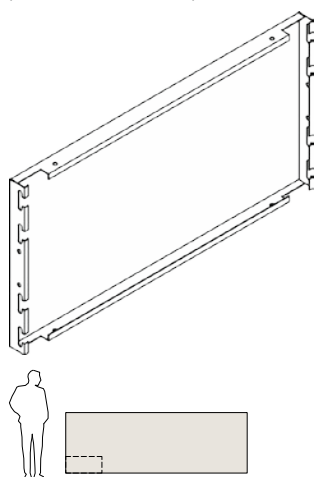
Length A:

min. 600 mm / max. 3,000 mm
[min. 23-19/32" / max. 118-3/32"]

Width B:

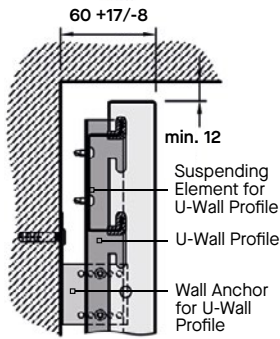
min. 275 mm / max. 1,000 mm
[min. 10-26/32" / max. 39-13/32"]

2 suspension points on each short side of the panel, reclined misplaced

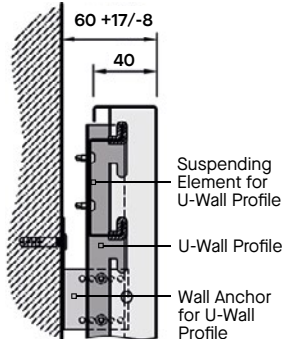


Connection Details

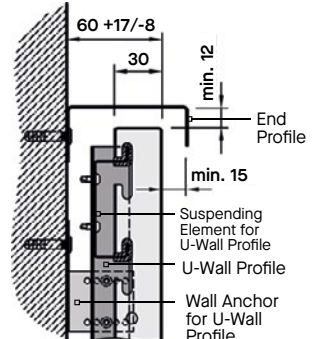
Vertical



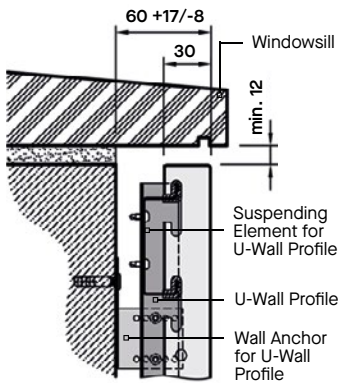
Detail F
Connector to the Ceiling



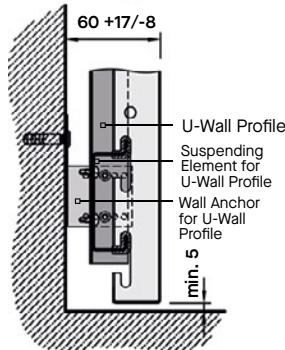
Detail G
Visible Connection to the Top



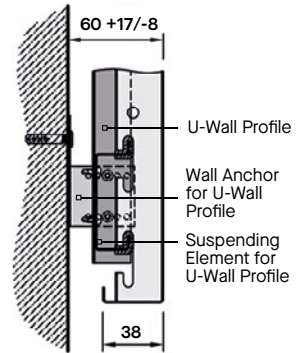
Detail H
Connection to the Top with Profile



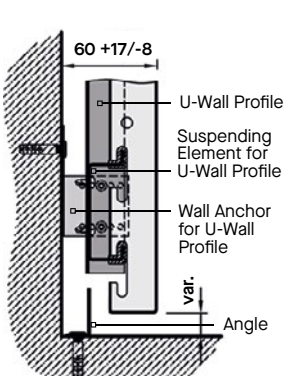
Detail I
Connection to the Windowsill



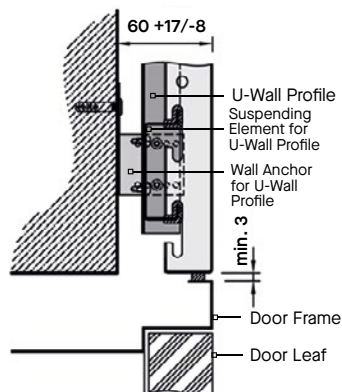
Detail J
Connection to the Floor



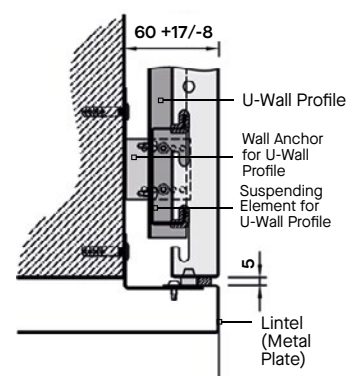
Detail K
Visible Connection to the Bottom



Detail L
Connection to the Bottom with Angle



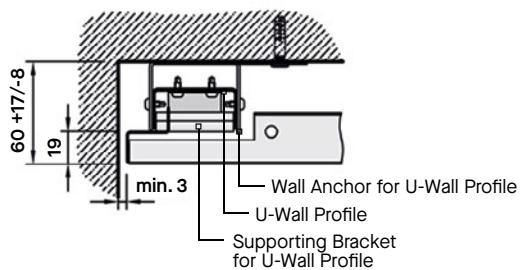
Detail M
Connection to the Door Frame



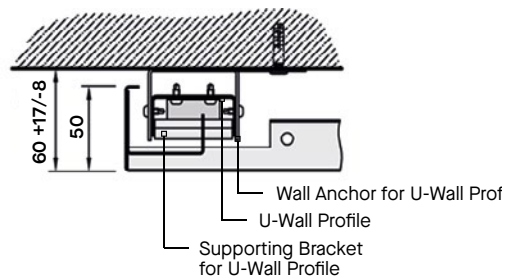
Detail N
Connection to Lintel

Connection Details

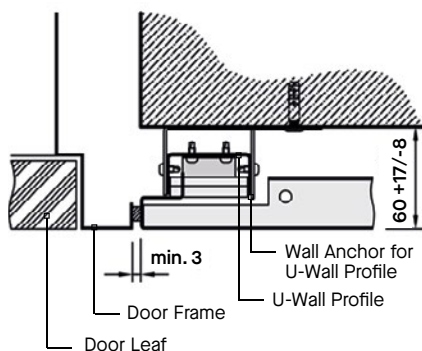
Horizontal



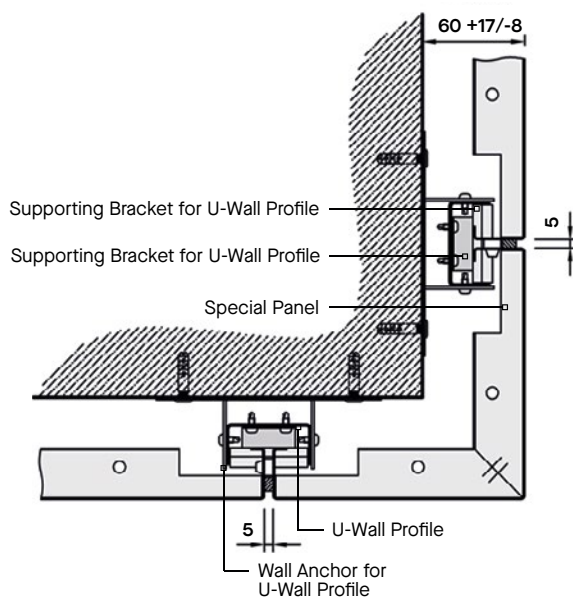
Detail O
Lateral Connection to the Wall



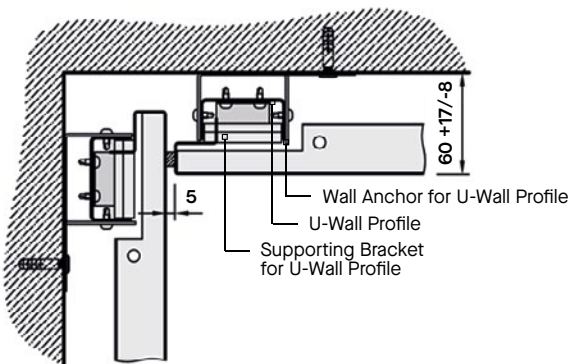
Detail P
Visible Lateral Connection



Detail Q
Connection to the Door Frame



Detail R
Outside Corner with Special Panel



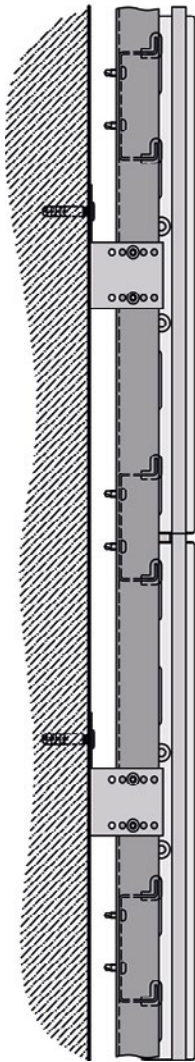
Detail S
Inside Corner with Gap

NOTE: The dimensions in the following Details F through S are shown in millimeters (mm).

Panel Dismounting

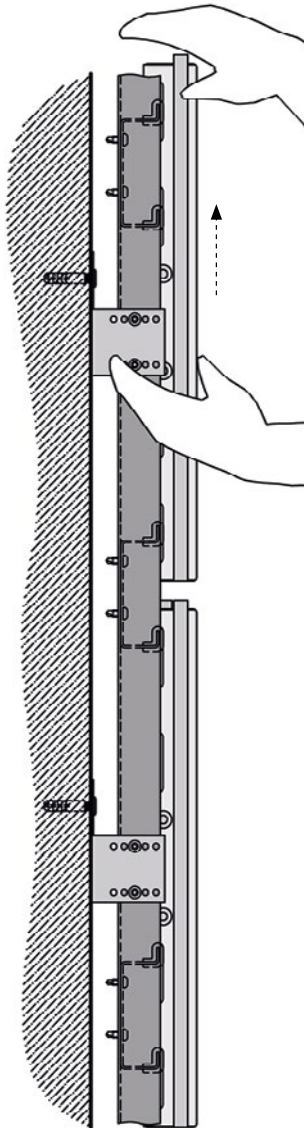
Starting Position

- Installed wall system
- Each panel can be dismounted separately without a tool, starting from the top
- Panels should only be touched with clean gloves



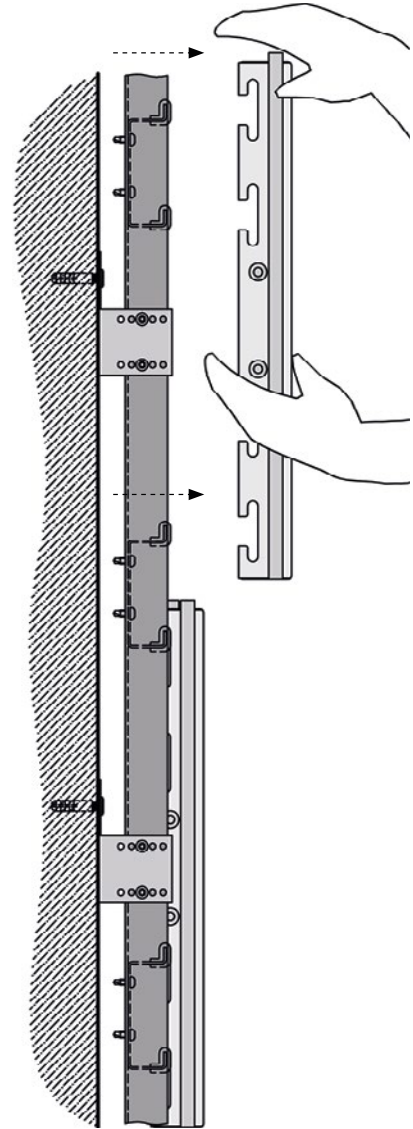
Step 1

- The panel must be lifted up vertically at min. 10 mm [12/32"]
- Keep attention to existing installations



Step 2

- The panel can be removed
- Store the panel carefully





MetalWorks™ WH1100 Wall System; Dubai International Airport,
Dubai, United Arab Emirates; ADP Ingénierie

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Above All™

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