

Extruded sub-construction for ventilated facades

The aluminum sub-construction is built of the bracket and the main grate and can be used with all ventilated facades. Using the BSP system we can achieve a very precise execution of mounting of fiber cement, HPL, composite panels aluminum louvers and many others.

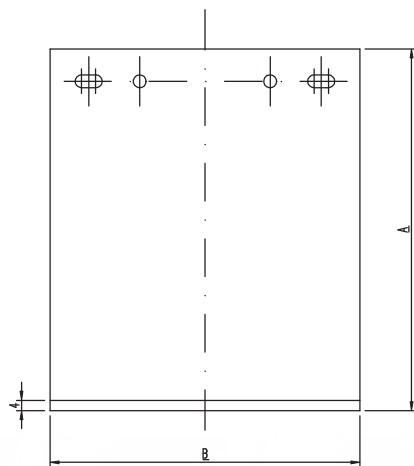
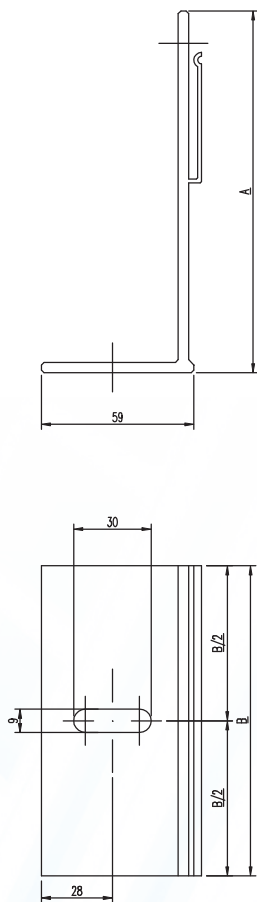
The bracket is responsible for the transfer of all occurring forces from the main grate. The design allows for a very quick and efficient leveling of the whole sub-construction with a substantial building tolerance.

Strong points of extruded aluminum brackets:

- resistance to atmospheric factors
- light weight which has a considerable meaning with transportation costs
- versatility with additional cutting or drilling not requiring anti-corrosive protection
- no galvanic corrosion on contact with other aluminum facade elements
- optionally brackets can be delivered powder coated or anodized
- reduced delivery times, stocks available within 2-3 days
- No internal stress which weakens a sub-construction and causes uncontrolled work, as takes place with cold-formed elements

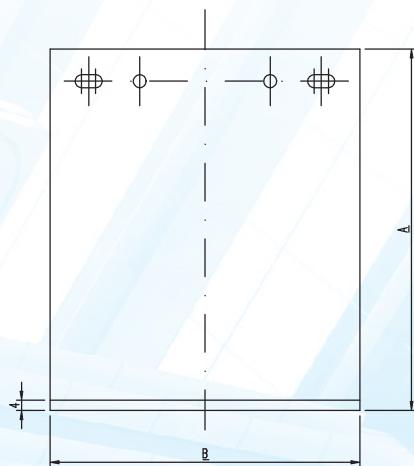
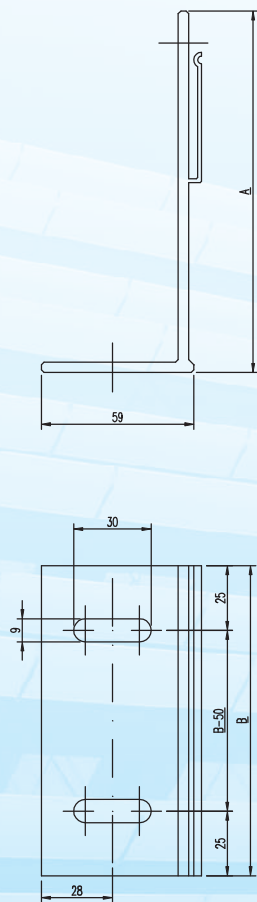


BSP BRACKET TYPE KW1/A-B-LOS



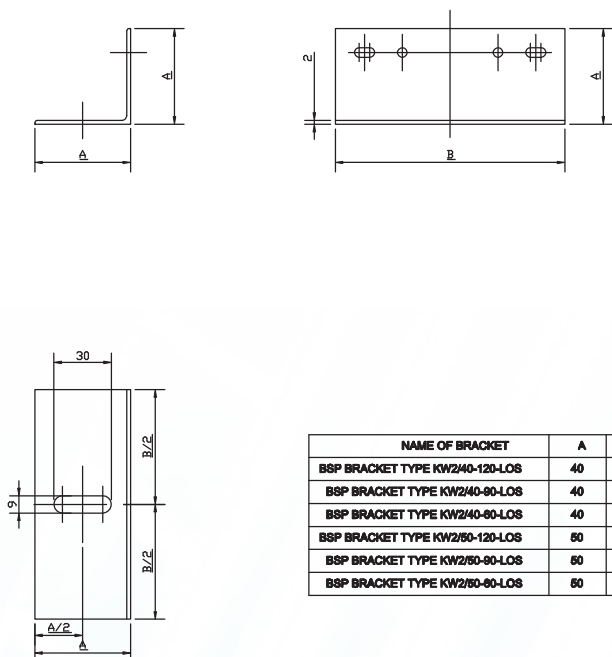
NAME OF BRACKET	A	B
BSP BRACKET TYPE KW1/120-120-LOS	120	120
BSP BRACKET TYPE KW1/120- 90-LOS	120	90
BSP BRACKET TYPE KW1/120- 60-LOS	120	60
BSP BRACKET TYPE KW1/140-120-LOS	140	120
BSP BRACKET TYPE KW1/140- 90-LOS	140	90
BSP BRACKET TYPE KW1/140- 60-LOS	140	60
BSP BRACKET TYPE KW1/170-120-LOS	170	120
BSP BRACKET TYPE KW1/170- 90-LOS	170	90
BSP BRACKET TYPE KW1/170- 60-LOS	170	60
BSP BRACKET TYPE KW1/210-120-LOS	210	120
BSP BRACKET TYPE KW1/210- 90-LOS	210	90
BSP BRACKET TYPE KW1/210- 60-LOS	210	60

BSP BRACKET TYPE KW1/A-B-FIX

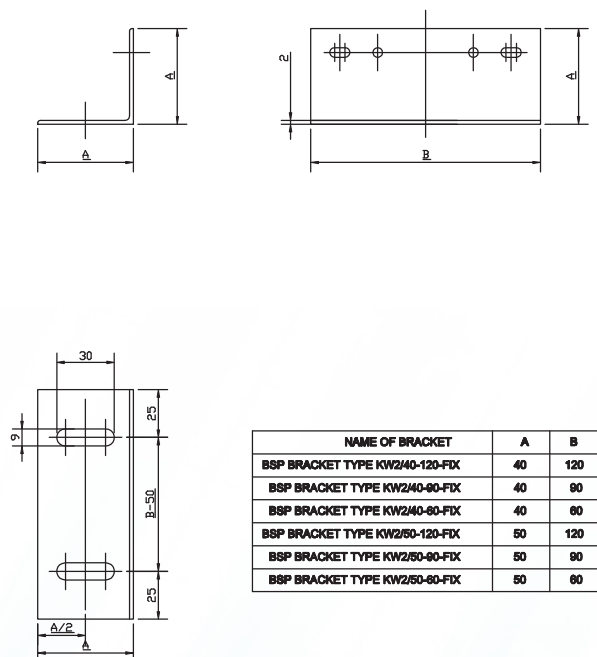


NAME OF BRACKET	A	B
BSP BRACKET TYPE KW1/120-150-FIX	120	150
BSP BRACKET TYPE KW1/120-120-FIX	120	120
BSP BRACKET TYPE KW1/120- 90-FIX	120	90
BSP BRACKET TYPE KW1/140-150-FIX	140	150
BSP BRACKET TYPE KW1/140-120-FIX	140	120
BSP BRACKET TYPE KW1/140- 90-FIX	140	90
BSP BRACKET TYPE KW1/170-150-FIX	170	150
BSP BRACKET TYPE KW1/170-120-FIX	170	120
BSP BRACKET TYPE KW1/170- 90-FIX	170	90
BSP BRACKET TYPE KW1/210-120-FIX	210	120
BSP BRACKET TYPE KW1/210- 90-FIX	210	90
BSP BRACKET TYPE KW1/210- 60-FIX	210	60

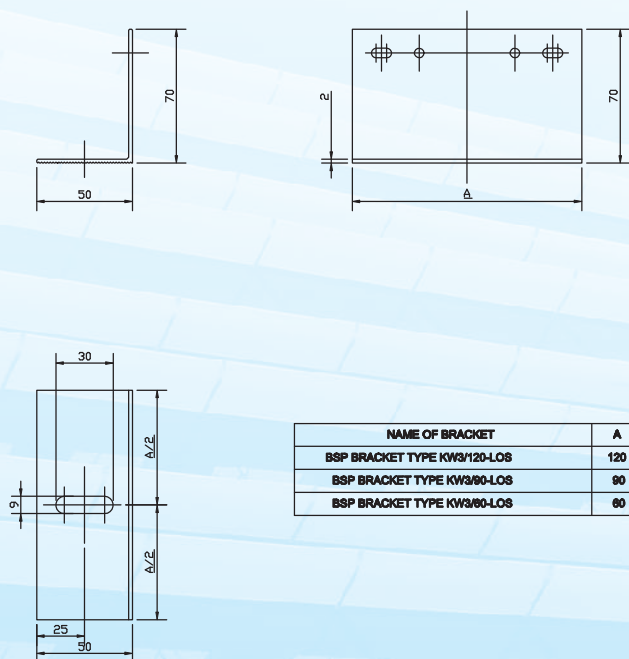
BSP BRACKET TYPE KW2/A-B-LOS



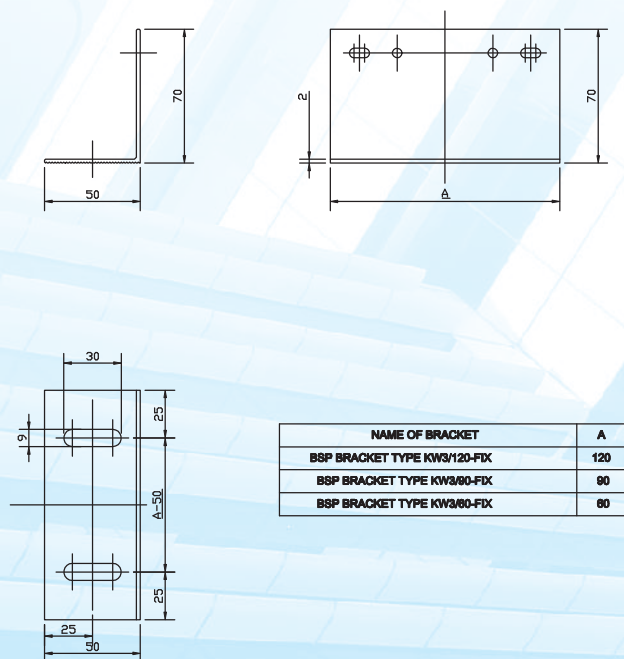
BSP BRACKET TYPE KW2/A-B-FIX



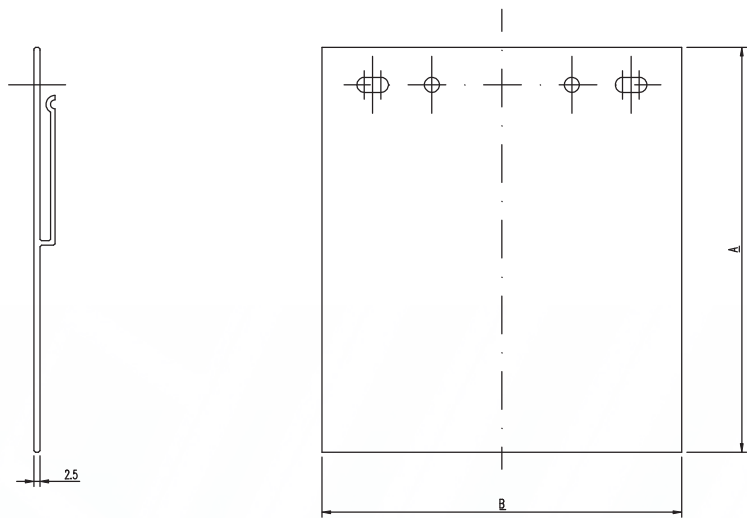
BSP BRACKET TYPE KW3/A-LOS



BSP BRACKET TYPE KW3/A-FIX

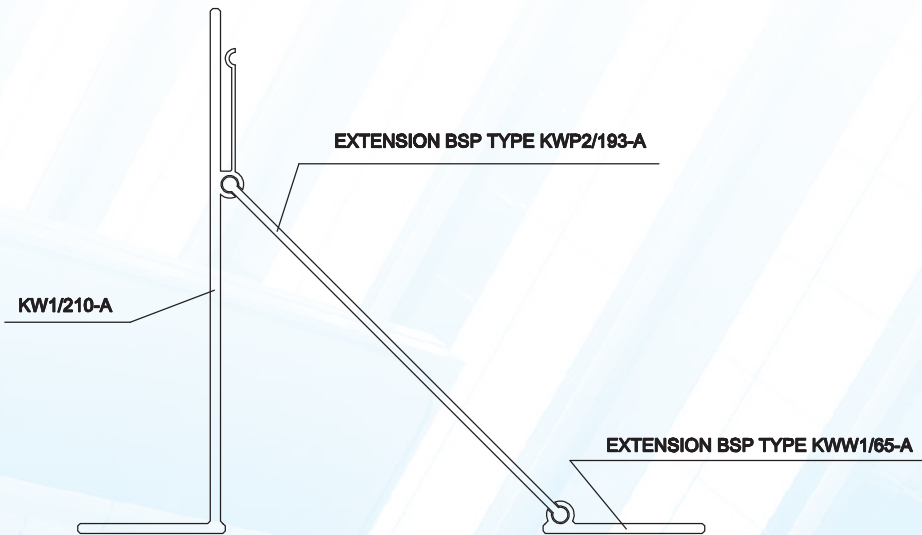


EXTENSION BSP TYPE KWP1/A-B

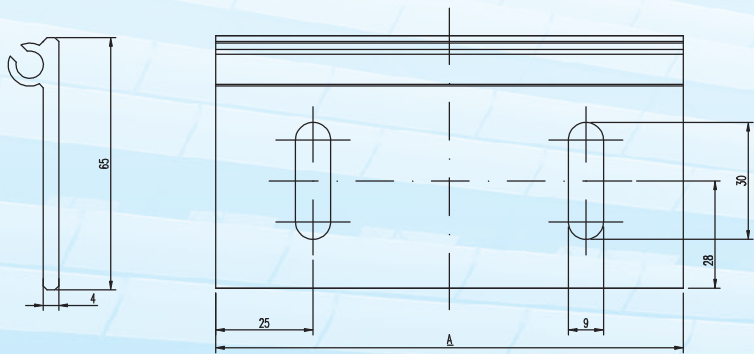


NAME OF BRACKET	A	B
EXTENSION BSP TYPE KWP1/135-150	135	150
EXTENSION BSP TYPE KWP1/135-120	135	120
EXTENSION BSP TYPE KWP1/135-90	135	90

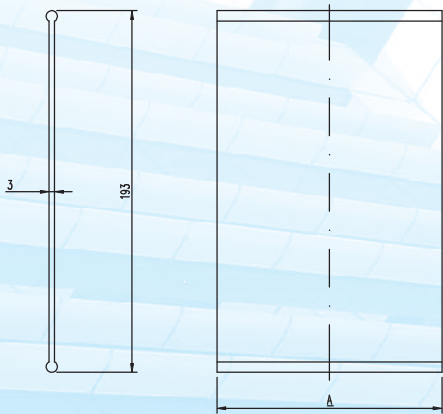
Brackets with additional support
for greater loads and outreaches
also as a horizontal bracket



EXTENSION BSP TYPE KWW1/65-A

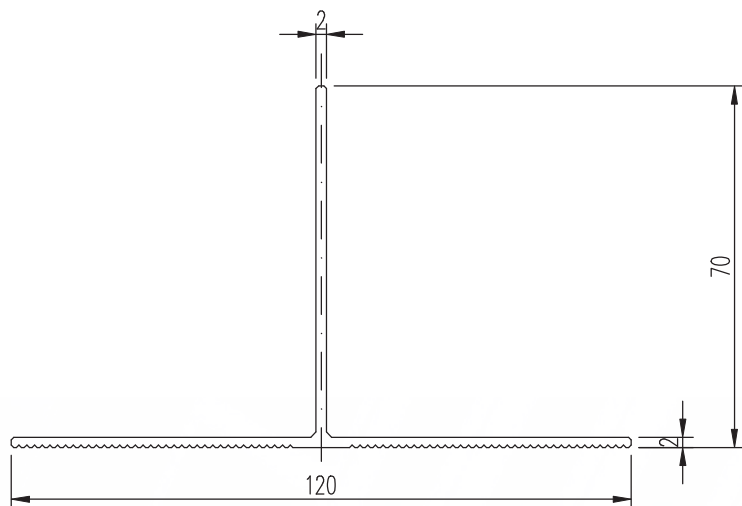


NAME	A
EXTENSION BSP TYPE KWW1/65-150	150
EXTENSION BSP TYPE KWW1/65-120	120
EXTENSION BSP TYPE KWW1/65-90	90



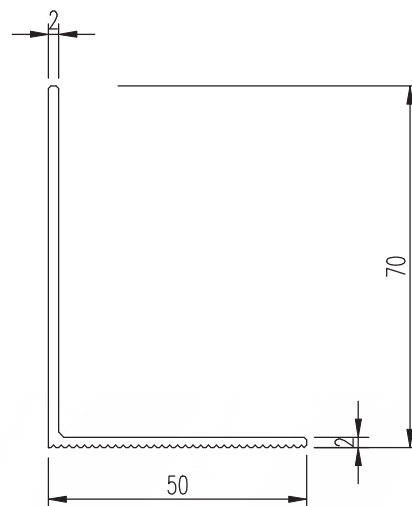
NAME	A
EXTENSION BSP TYPE KWP2/193-150	150
EXTENSION BSP TYPE KWP2/193-120	120
EXTENSION BSP TYPE KWP2/193-90	90

BSP UNDERSTRUCTURE TYPE KWR1



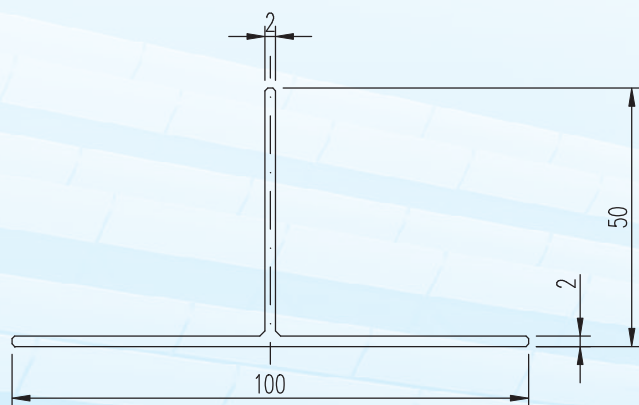
$I_x =$	15.467 cm ⁴	$I_y =$	26.316 cm ⁴
$W_x =$	2.776 cm ³	$W_y =$	4.386 cm ³
$A =$	3.582 cm ²	$Masa =$	0.971 kg/m

BSP UNDERSTRUCTURE TYPE KWR2



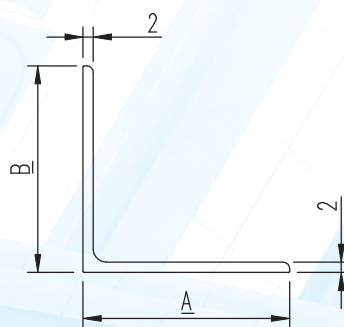
$I_x =$	11.877 cm ⁴	$I_y =$	5.038 cm ⁴
$W_x =$	2.467 cm ³	$W_y =$	1.279 cm ³
$A =$	2.278 cm ²	$Masa =$	0.617 kg/m

BSP UNDERSTRUCTURE TYPE KWR3



$I_x =$	5.864 cm ⁴	$I_y =$	16.546 cm ⁴
$W_x =$	1.432 cm ³	$W_y =$	3.309 cm ³
$A =$	2.963 cm ²	$Masa =$	0.803 kg/m

BSP UNDERSTRUCTURE TYPE KWR4/A-B



$I_x =$	4.908 cm ⁴	$I_y =$	4.908 cm ⁴
$W_x =$	1.335 cm ³	$W_y =$	1.335 cm ³
$A =$	1.960 cm ²	$Masa =$	0.531 kg/m

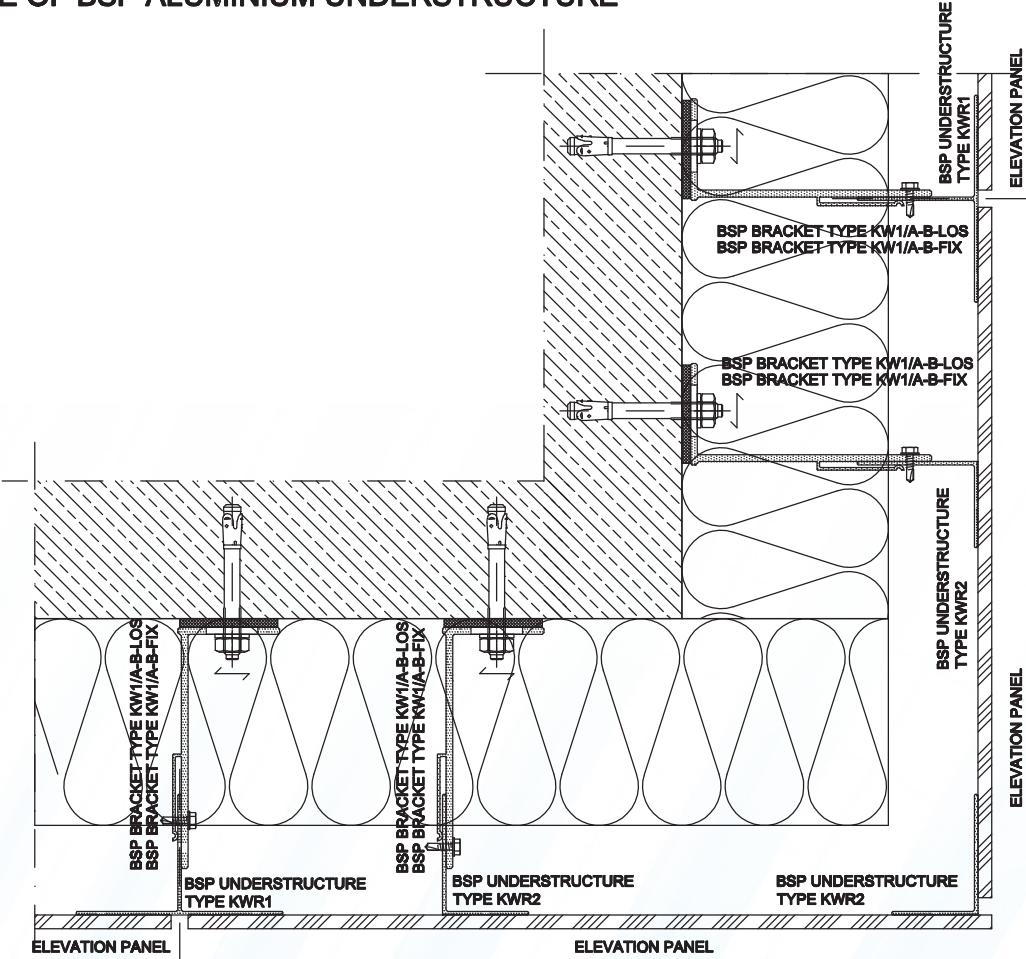
*parameters for profile 50x50x2

$I_x =$	2.453 cm ⁴	$I_y =$	2.453 cm ⁴
$W_x =$	0.835 cm ³	$W_y =$	0.835 cm ³
$A =$	1.566 cm ²	$Masa =$	0.425 kg/m

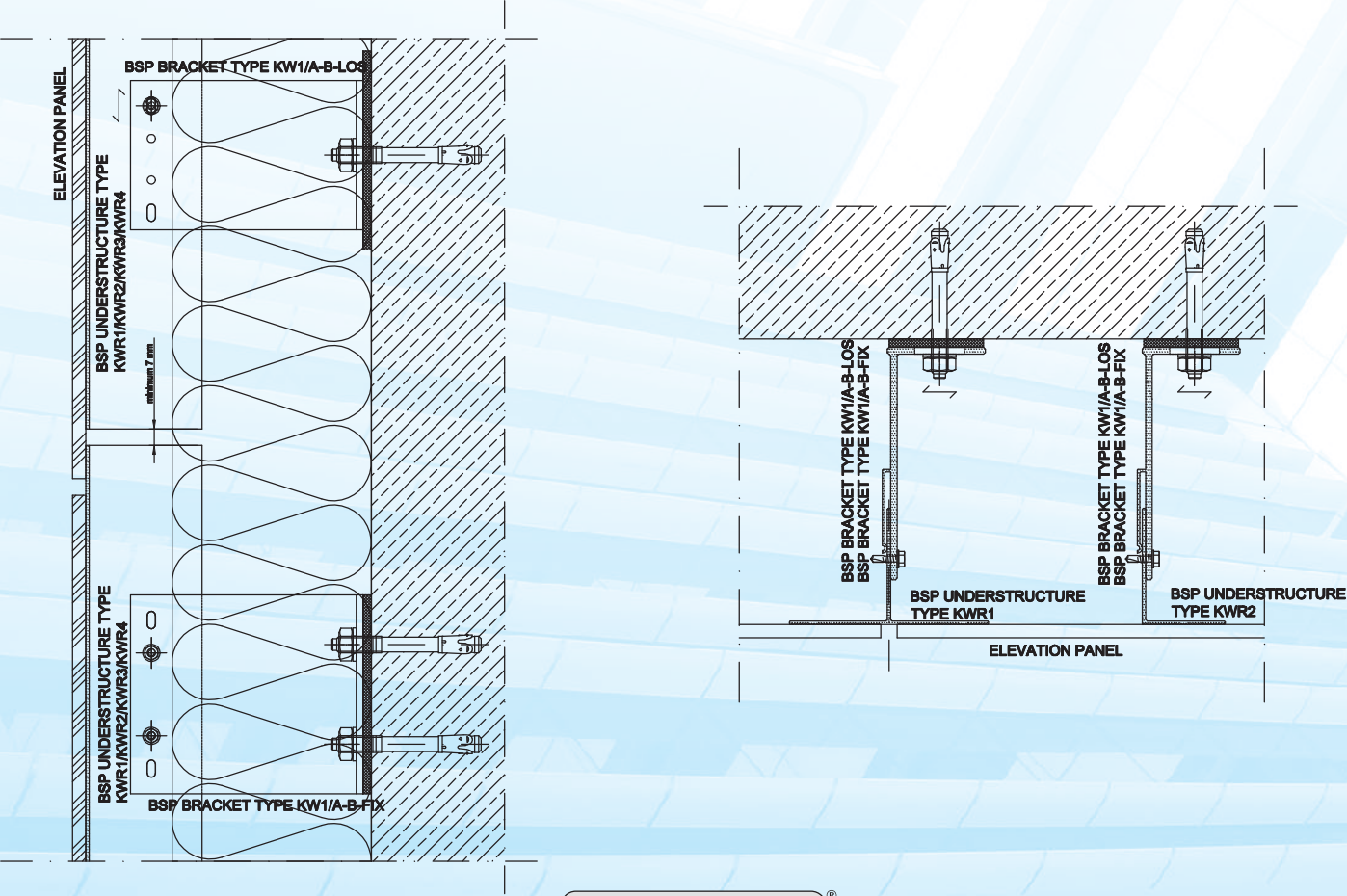
*parameters for profile 40x40x2

NAME OF UNDERSTRUCTURE	A	B
BSP UNDERSTRUCTURE TYPE KWR4/ 40-40	40	40
BSP UNDERSTRUCTURE TYPE KWR4/ 50-50	50	50

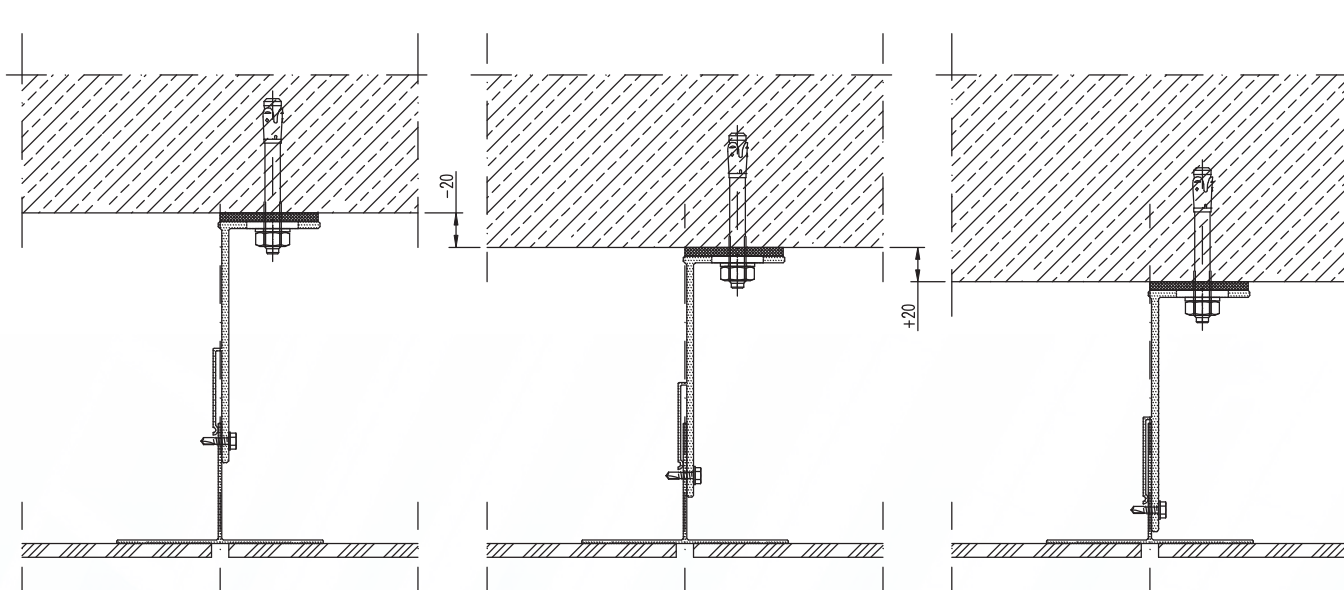
EXAMPLE OF USE OF BSP ALUMINIUM UNDERSTRUCTURE



Example of typical ventilated facade using elevation panels

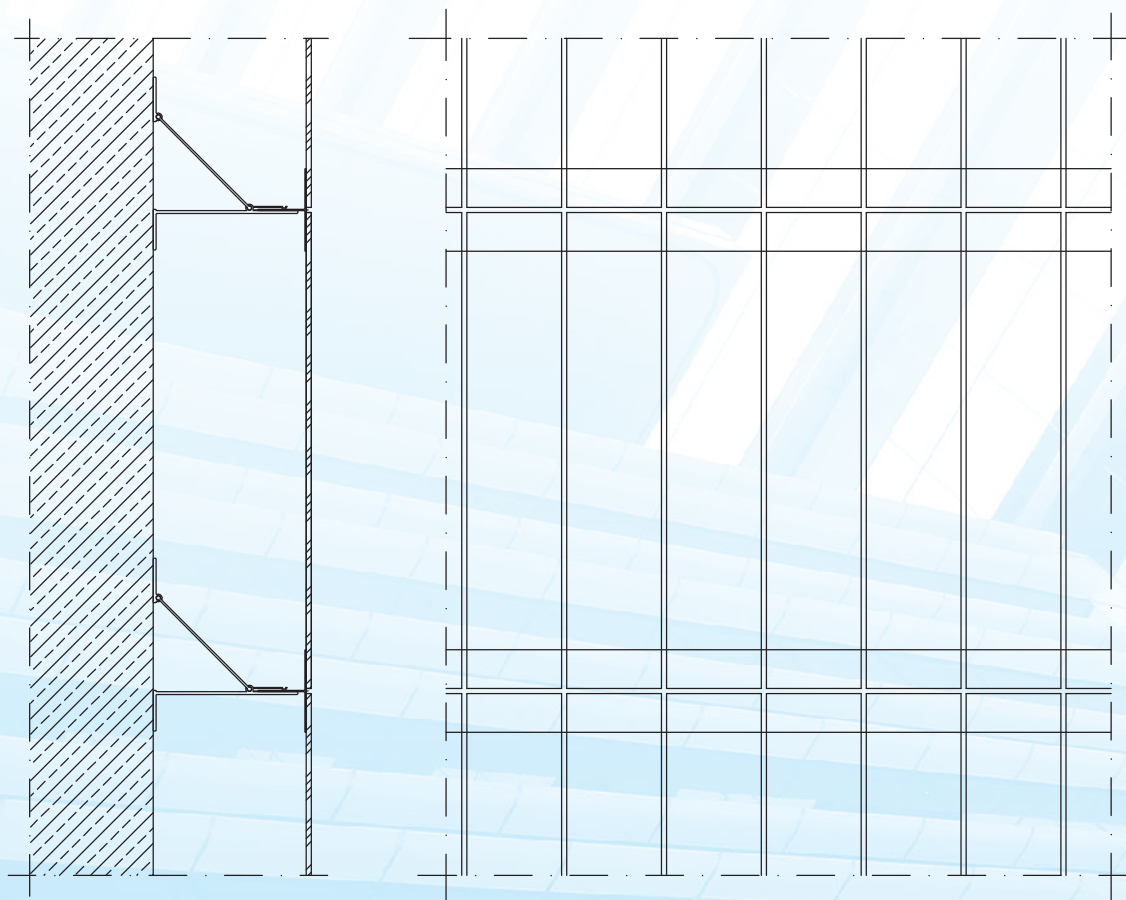


EXAMPLE OF USE OF BSP ALUMINIUM UNDERSTRUCTURE



Range of regulation helps avoid problems with the tolerance of wall construction ± 2 cm

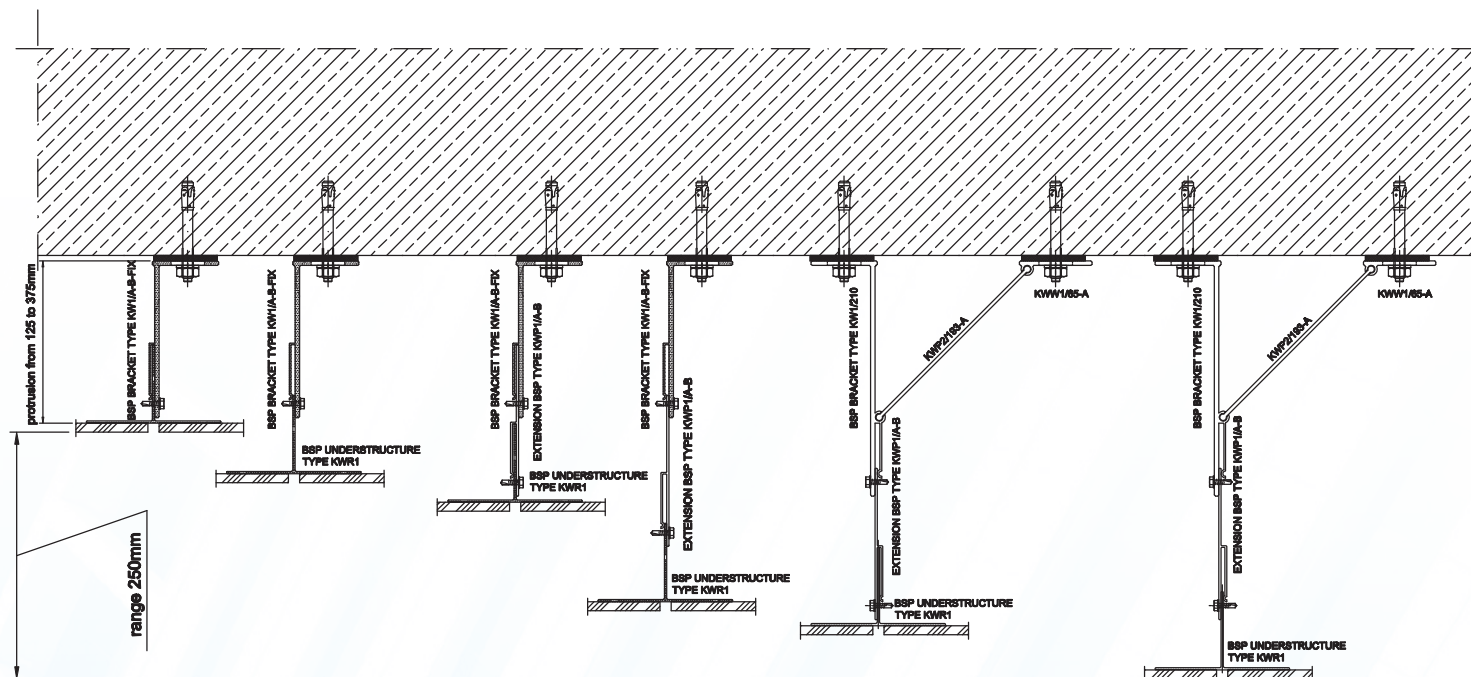
EXAMPLE OF USE OF BSP HORIZONTAL BRACKETS



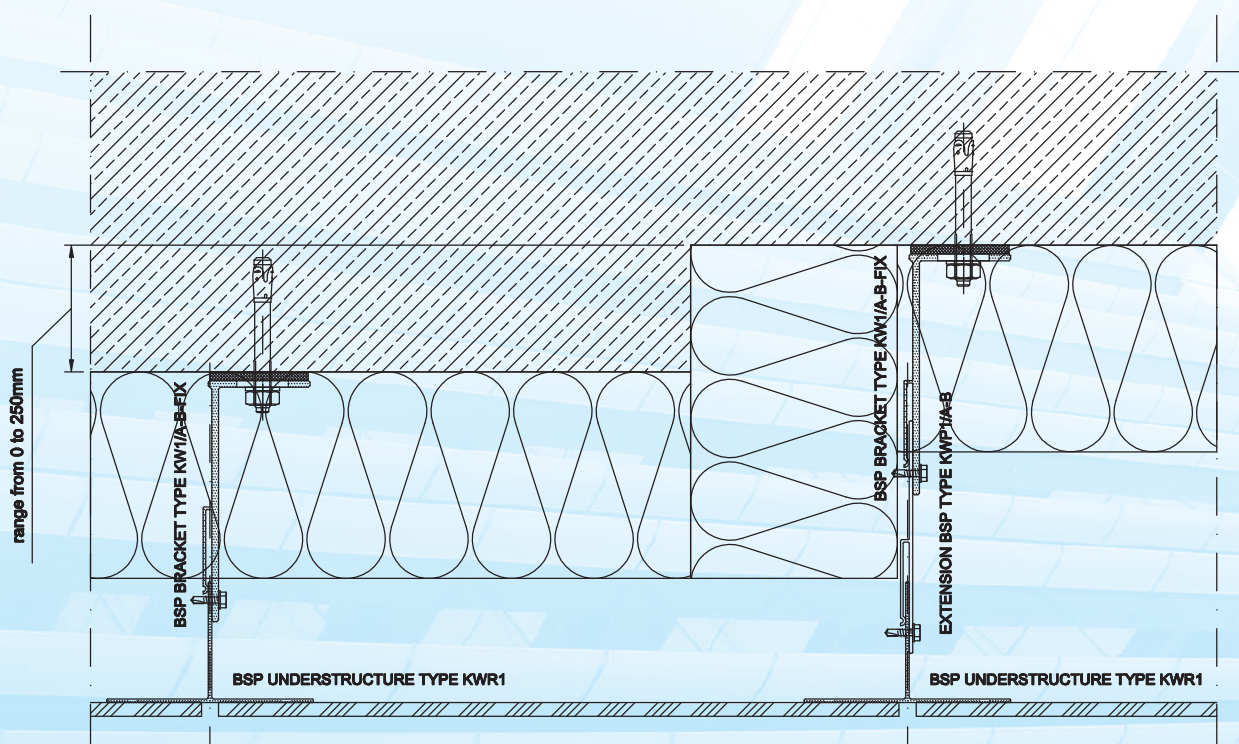
Use of horizontal bracket substantially decreases amount of subconstruction when mounting thin vertical panels.

EXAMPLE OF USE OF BSP ALUMINIUM UNDERSTRUCTURE

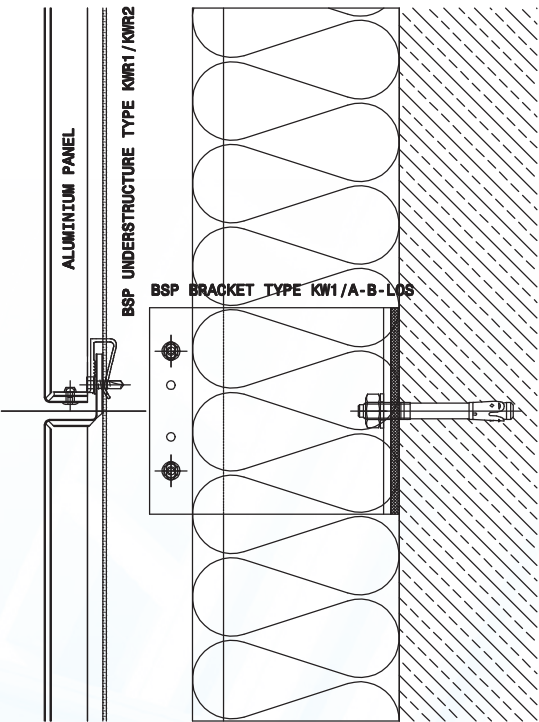
USE OF EXTENSION BSP TYPE KWP1/A-B



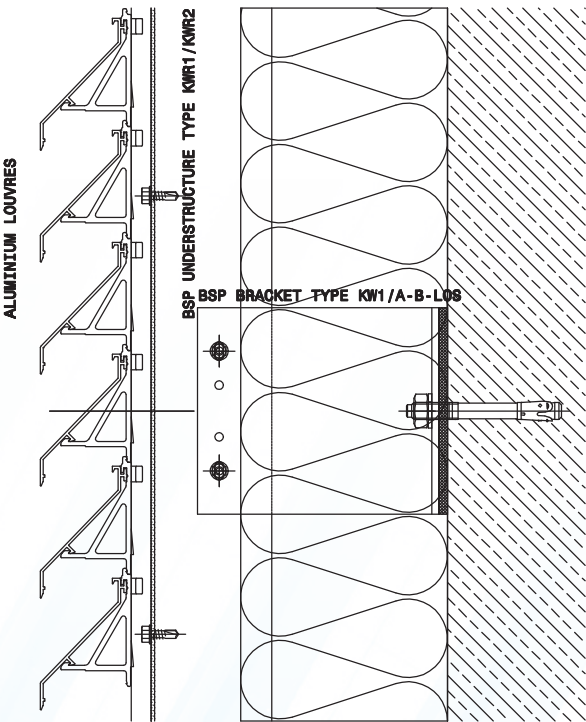
Use of BSP profile type Extension KWP1/A-B helps achieve greater outreaches



EXAMPLE OF USE OF BSP ALUMINIUM UNDERSTRUCTURE



Understructure for
aluminium elevation
panels



Understructure for
ventilated louvres

