



CLADDING FIXING SYSTEM WG 35

WG 35

CLADDING FIXING SYSTEMS

- **WELLBOND** can be successfully applied as a decorative material for walls ,ceillings and column claddings whether for exterior or interior uses .
- Due to outstanding rigidity,wide colour and gloss range .wash easiness and high resistance against moisture,salts,acids and cleaning detergents wellbond is the perfect material for premises of different types; this includes industrial facilites ,offices , bathrooms etc.WELLBOND is an absolutely ecologically safe material and can be used for residential premises of all types without exception .
- In the guide we will describe only several of the popular techniques .to achieve perfect cladding with smooth surface and right angles it is necessary to compensate wall defects and tolerances . for this purposes we recommend to use fixing system.
- Making the frame with aluminum profiles can guarantee easier installation and much more long lasting life of the whole system .
- When using clip -in aluminum frames,fixing is acheive due to special profile configuration . to fix the frame to a wall and screws should be used,the choice of an anchor type all dependes on the material of the wall and the system weight .

THE MAIN STEPS THROUGHOUT INSTALLATION ARE AS FOLLOWS :

- Step 01 ➤ Inspection of the room and choosing fixing technique depending on the wall condition and project design .
- Step 02 ➤ Measuring the room and making detailed drawings of the room noting the situation of fixing profiles, defining estimated panels dimensions and Choosing dimensions of wellbond Panels to be ordered .
- Step 03 ➤ Preparation of the wall .for wet areas it is recommended to coat the wall with some form of water repellent to prevent possible damages to the wall in the future .
- Step 04 ➤ For wet area it is also recommended to put a waterproof membrane on to to the wall and to fix it with either glue or mechanical fixings .
- Step 05 ➤ Measure ,cut and fix the wall profiles of the frame using anchor bolts or screws. all profiles should be fixed evenly and with right angles . it is also recommended to cut profiles using a circular saw and a level tube to make sure the frame remains even .
- Step 06 ➤ Apply a sealant in places where panels will come in touch with the frame .
- Step 07 ➤ Measure and cut the panels (route and bend if necessary) and fix the panels to the frame using mechanical or chemical fixings. please note, that temperature deflection of wellbond is 2.4mm/1mm if the temprature changes by 100 c. so , depending on temperature fluctuations in the room and panels . as a rule it should be between 1-3 mm . also it is strongly recommended that all panels on one surface should be installed in the same direction according to arrows and multipanel logo on the protective film . this is especially important for mettalic colours .
- Step 08 ➤ Add additional frame profile (like in push-in system) to fix the panel.
- Step 09 ➤ Carefully apply sealant in connections between panels and immediately take remains off .
- Step 10 ➤ Peel the protective film off the panels.

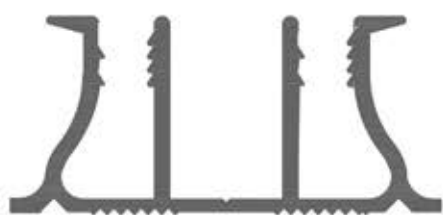
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- ALL ALUMINUM PROFILES ARE PRODUCED OF ALUMINUM ALLOY 6063T6.
- STANDARD LENGTHS IS 6 M.
- OTHER LENGTHS CAN BE ALSO PRODUCED FOR SPECIAL REQUESTS.

| PROFILE INDEX



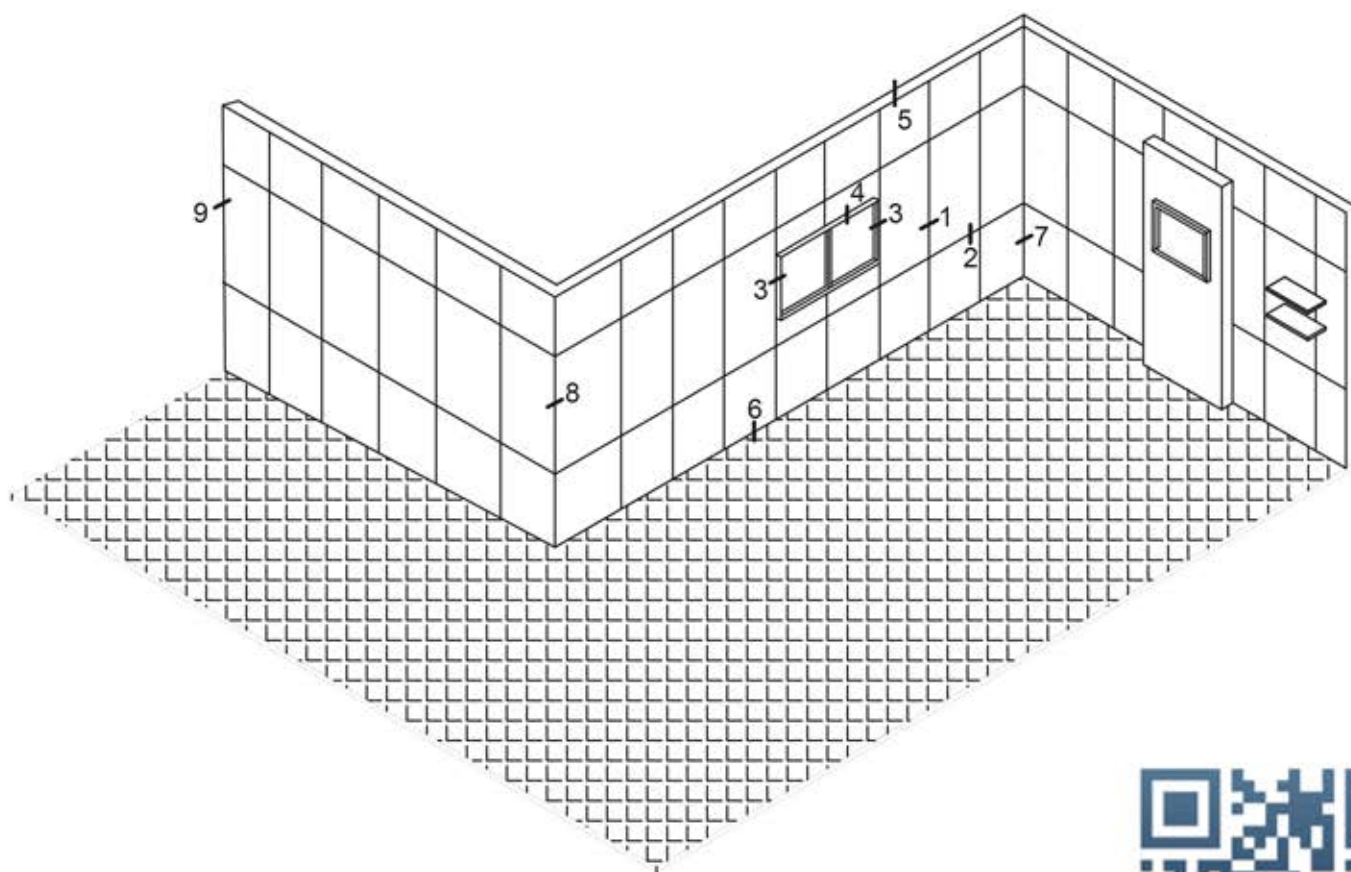
WG3560 DOUBLE CLIP-IN PROFILE
(ZERO JOINT)



WG3559 DOUBLE CLIP-IN PROFILE

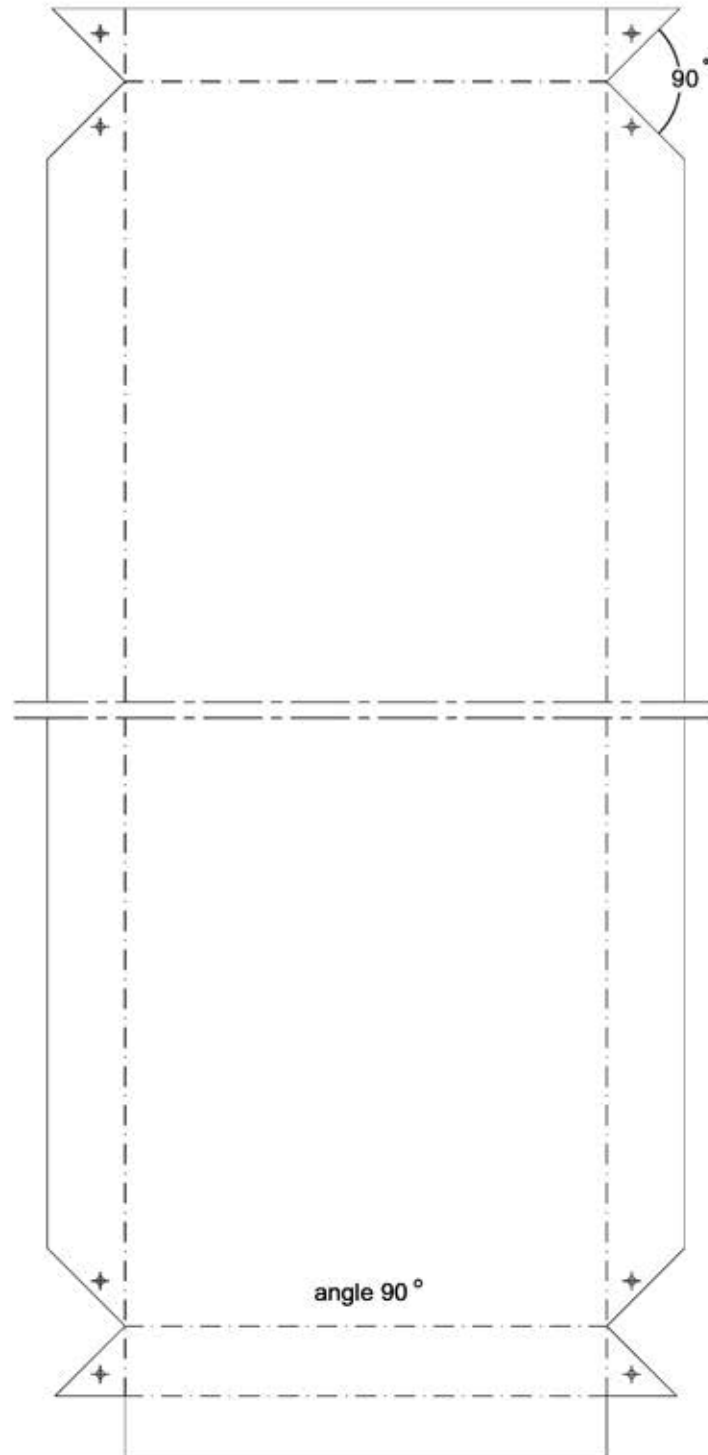


WG3552 SINGLE CLIP-IN PROFILE



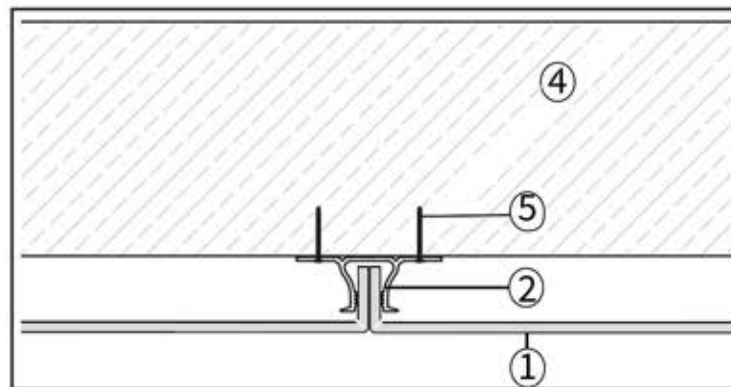
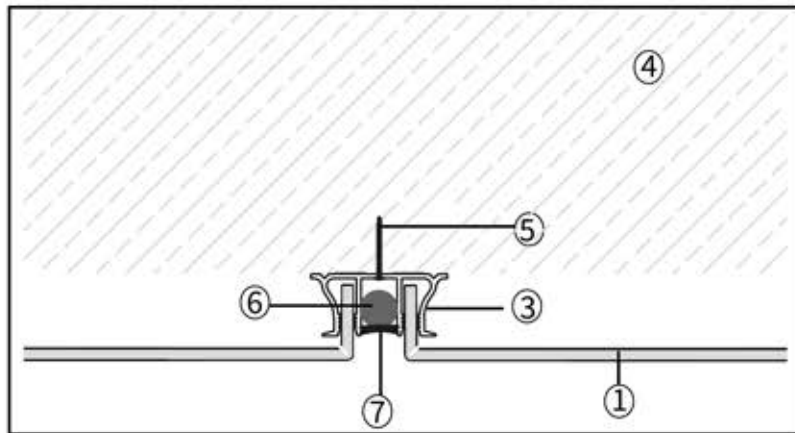
1. VERTICAL JOINT
2. HORIZONTAL JOINT
3. WINDOW SIDE
4. WINDOW HEAD
5. CLOSING WITH CIELING
6. CLOSING WITH FLOOR
7. CORNER SEGMENT / INNER CORNER
8. CORNER SEGMENT / OUTER CORNER
9. CLOSING WITH SIDE WALL





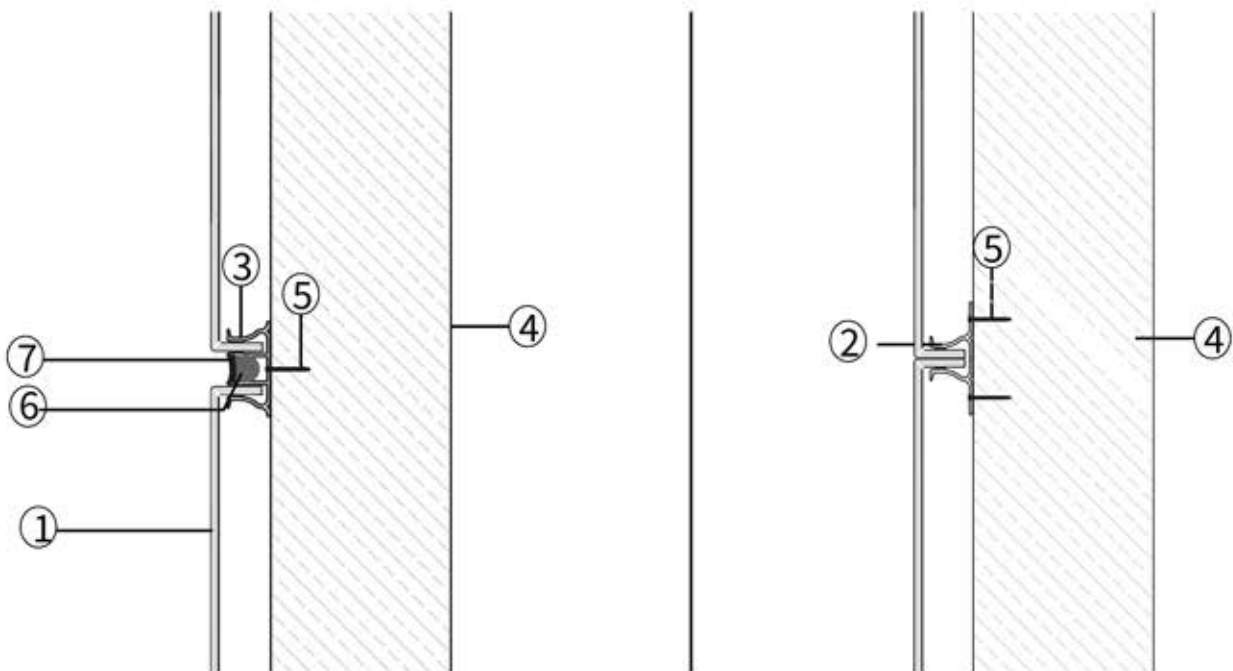
CLADDING CUTTING DETAIL

DESCRIPTION : VERTICAL JOINT SECTION (1)



1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3560
3. ALUMINUM PROFILE WG 3559
4. WALL
5. EXPANSION BOLT
6. BACKING ROD
7. SILICON SEALANT OR RUBBER

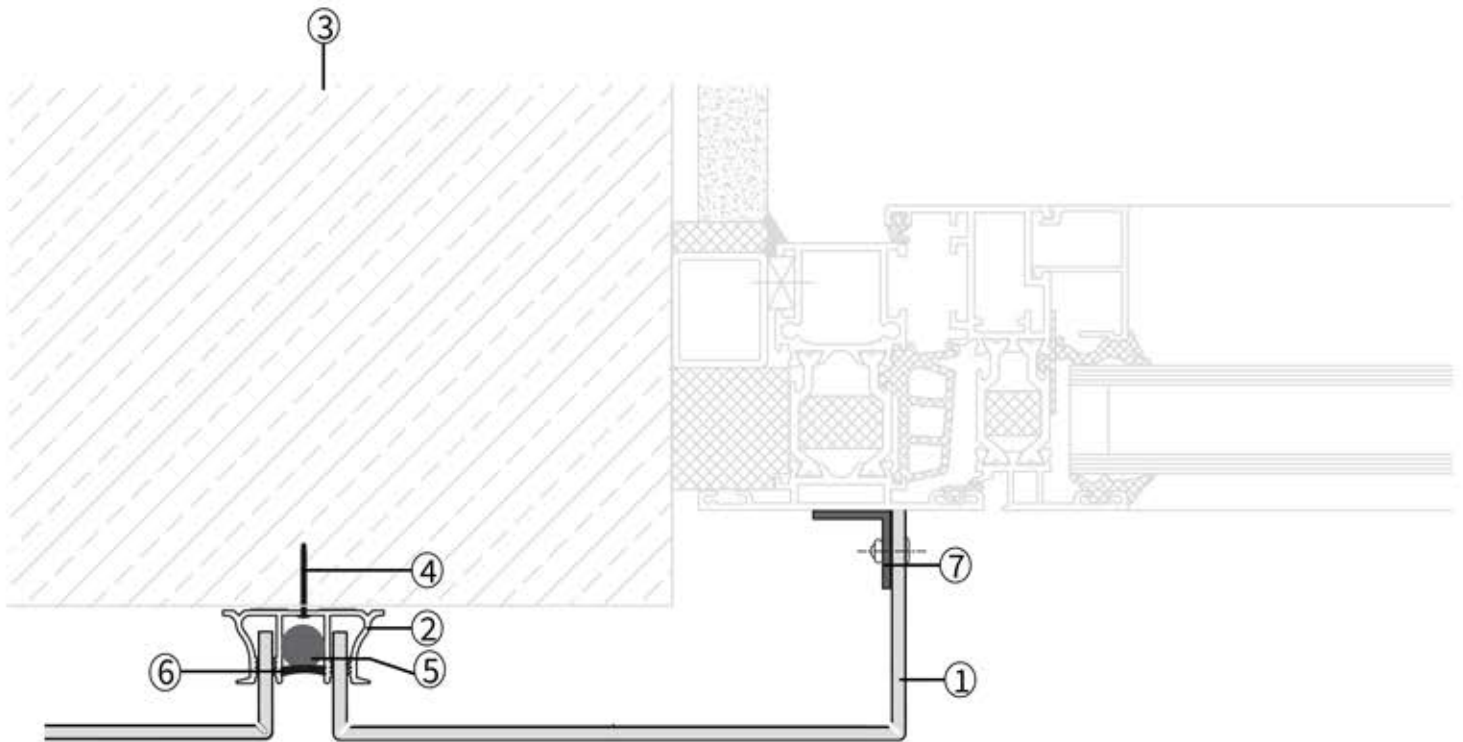
DESCRIPTION : HORIZONTAL JOINT SECTION (2)



1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3560
3. ALUMINUM PROFILE WG 3559
4. WALL
5. EXPANSION BOLT
6. BACKING ROD
7. SILICON SEALANT OR RUBBER



DESCRIPTION : WINDOW SIDE SECTION (3)

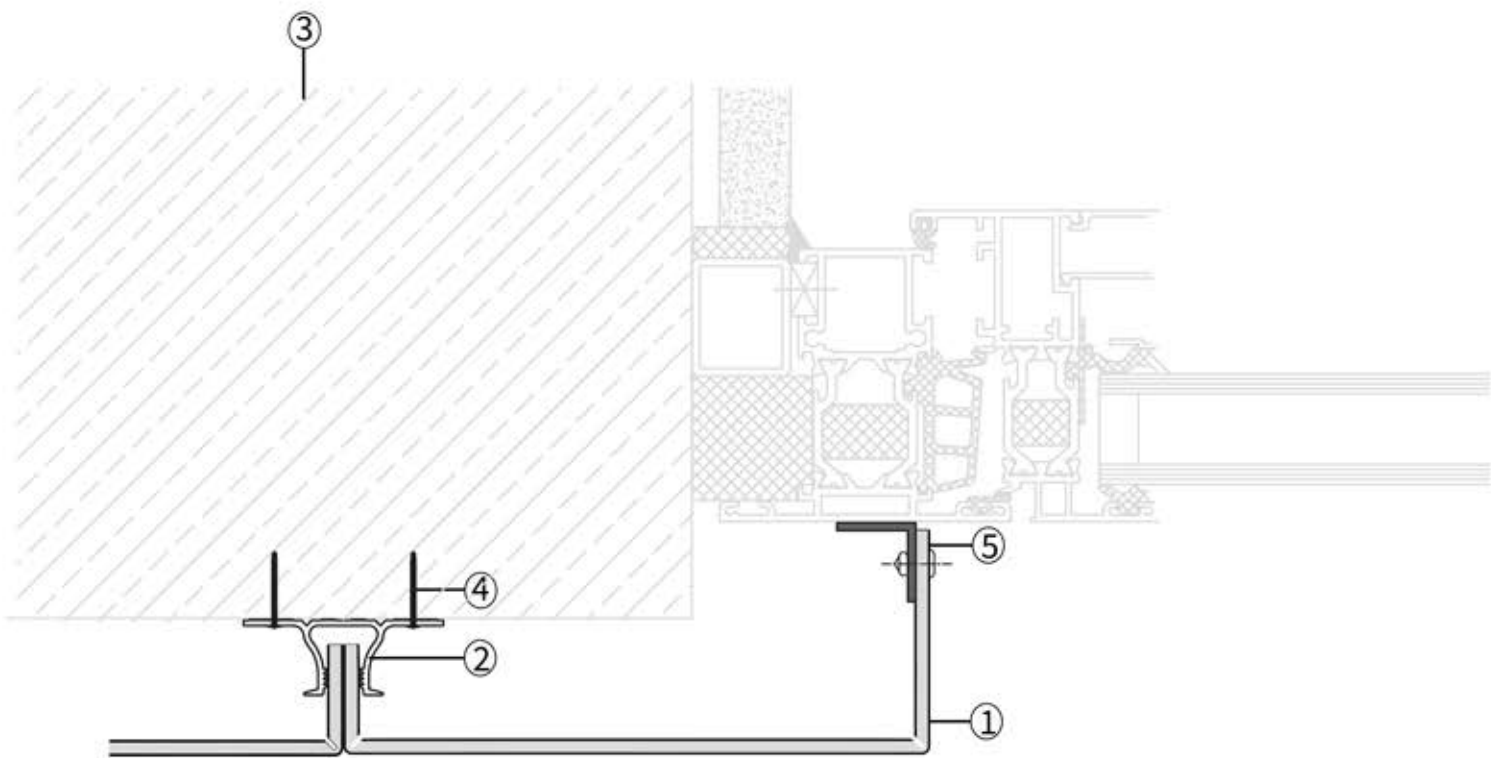


1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3559
3. WALL
4. EXPANSION BOLT
5. BACKING ROD
6. SILICON SEALANT OR RUBBER
7. ALUMINUM L20*20



DESCRIPTION : WINDOW SIDE SECTION (3)

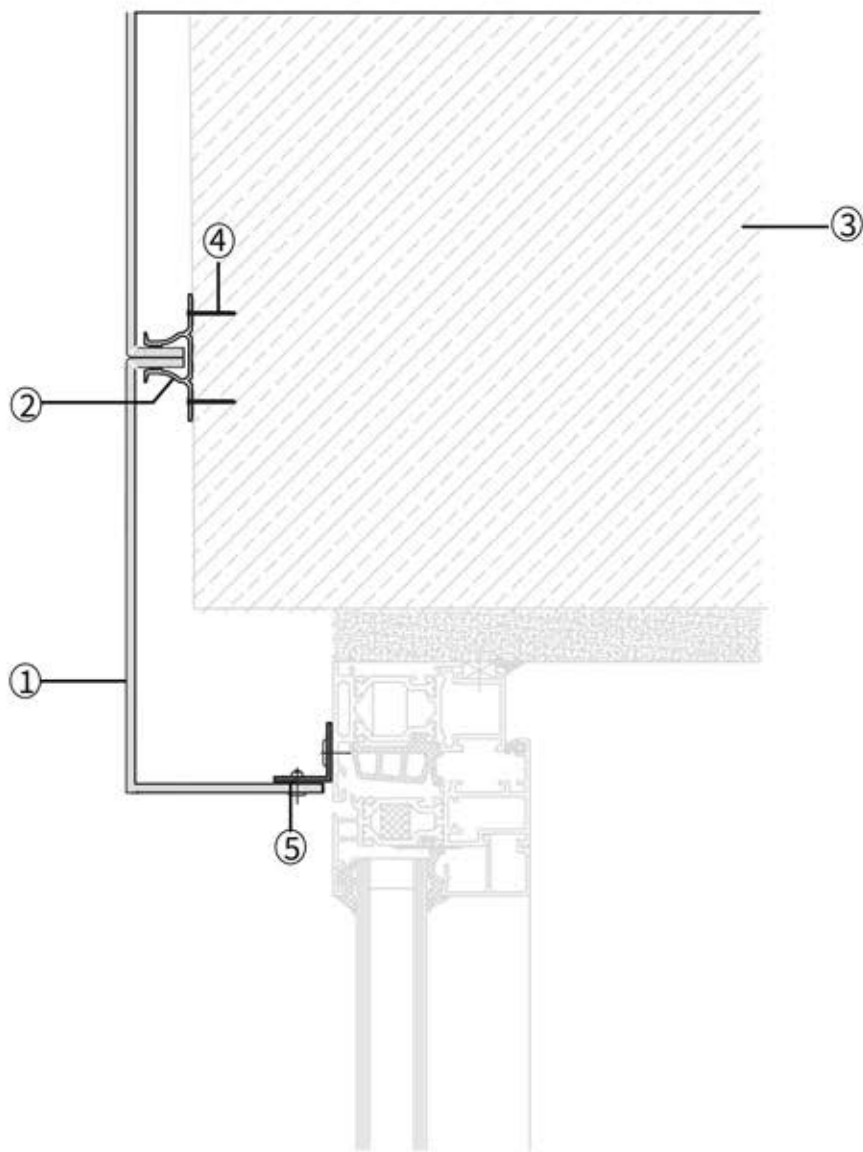
ZERO JOINT



1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3560
3. WALL
4. EXPANSION BOLT
5. ALUMINUM ANGLE 20*20

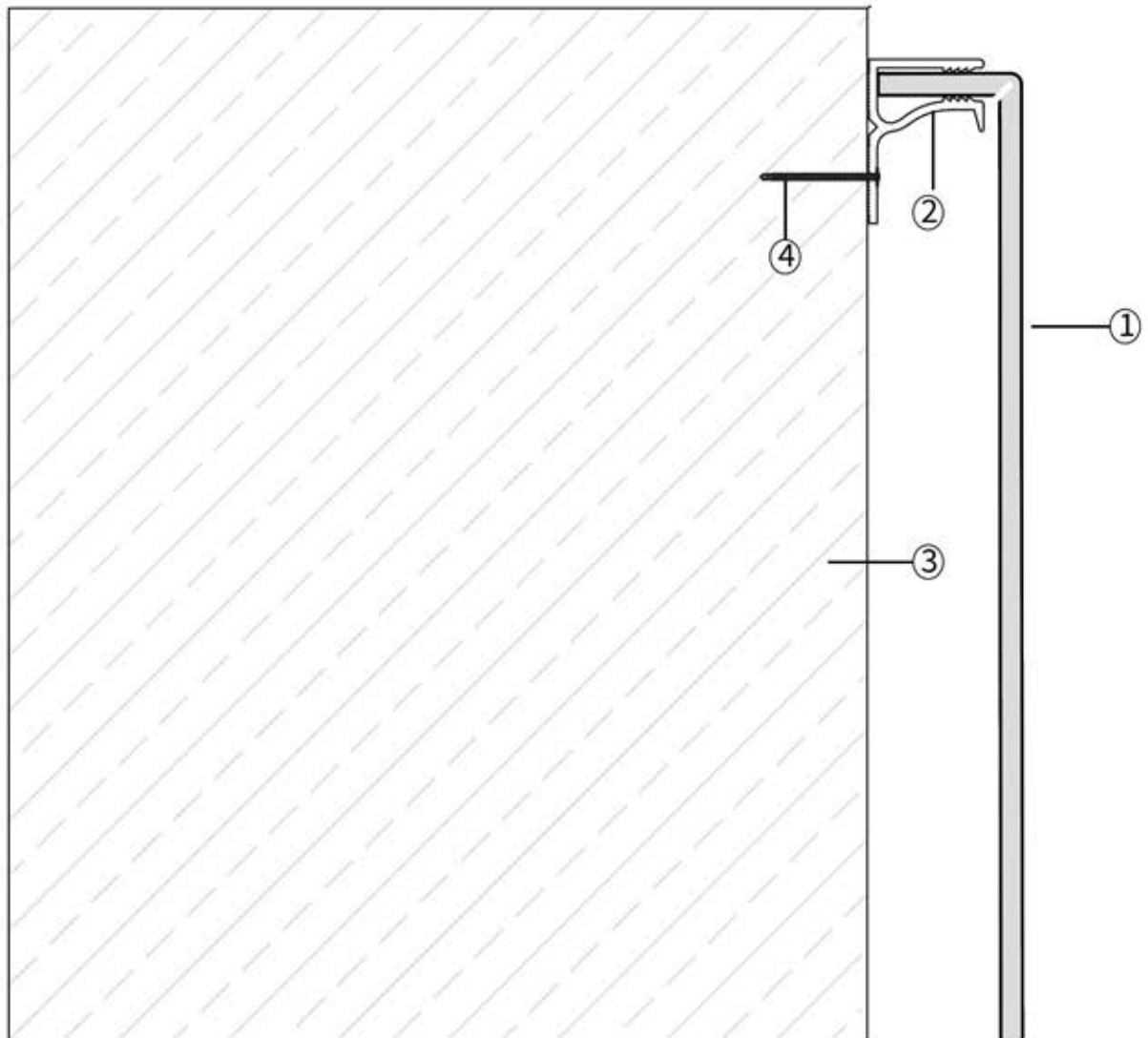


DESCRIPTION : WINDOW HEAD SECTION (4)



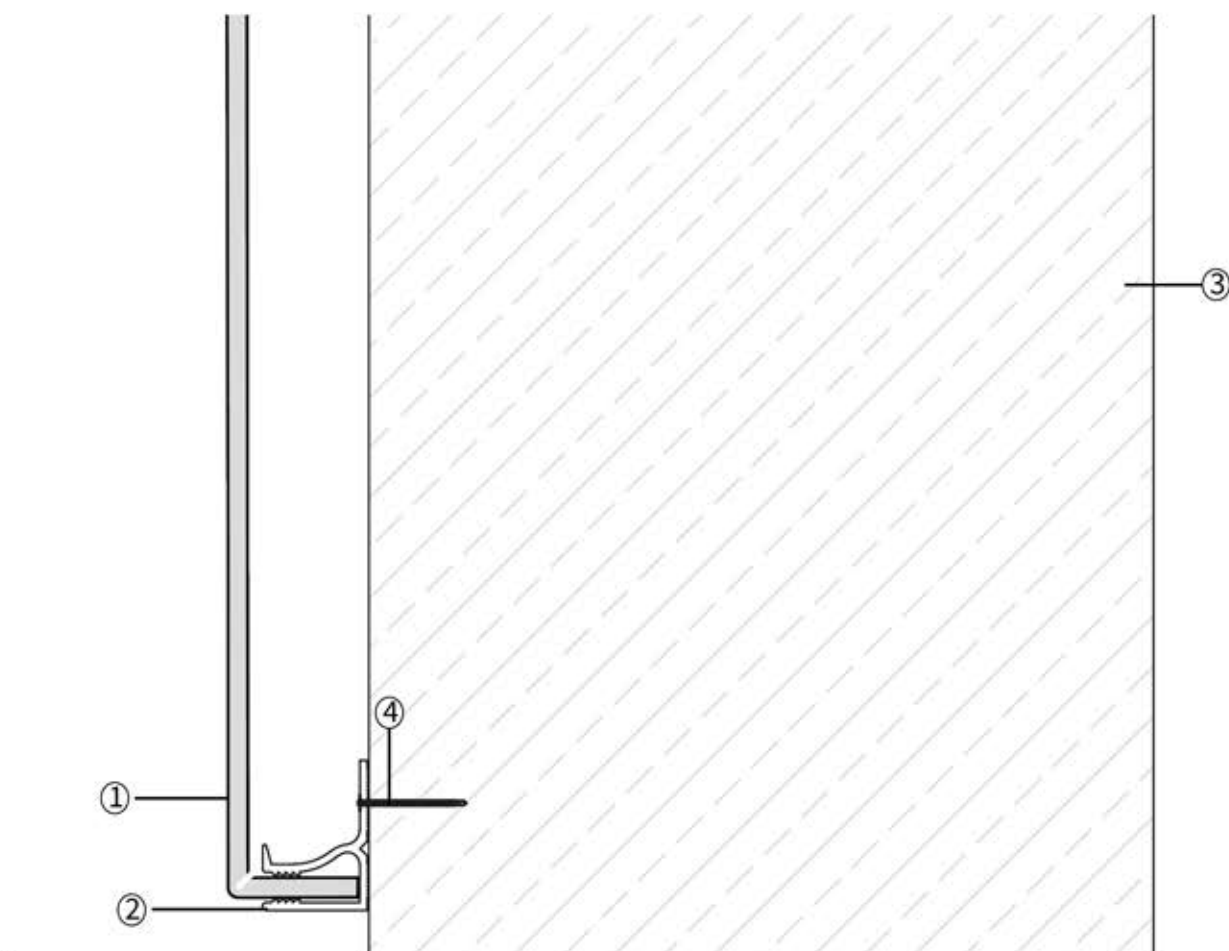
1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3560
3. WALL
4. EXPANSION BOLT
5. ALUMINUM ANGLE 20*20

DESCRIPTION : CLOSING WITH CEILING (5)

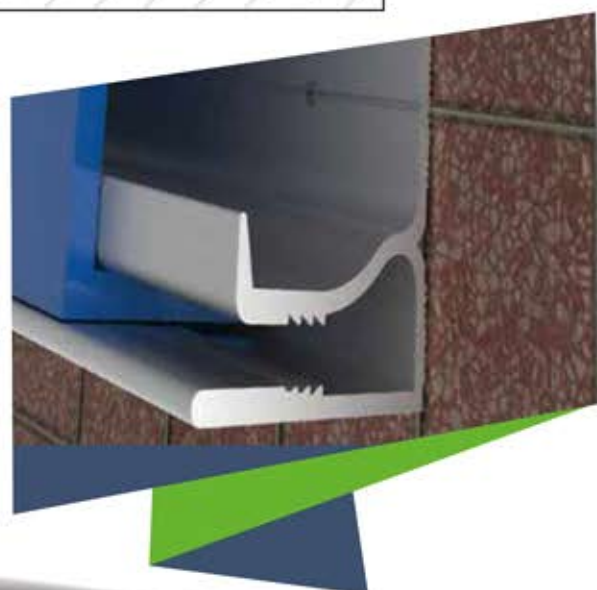


1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3552
3. WALL
4. EXPANSION BOLT

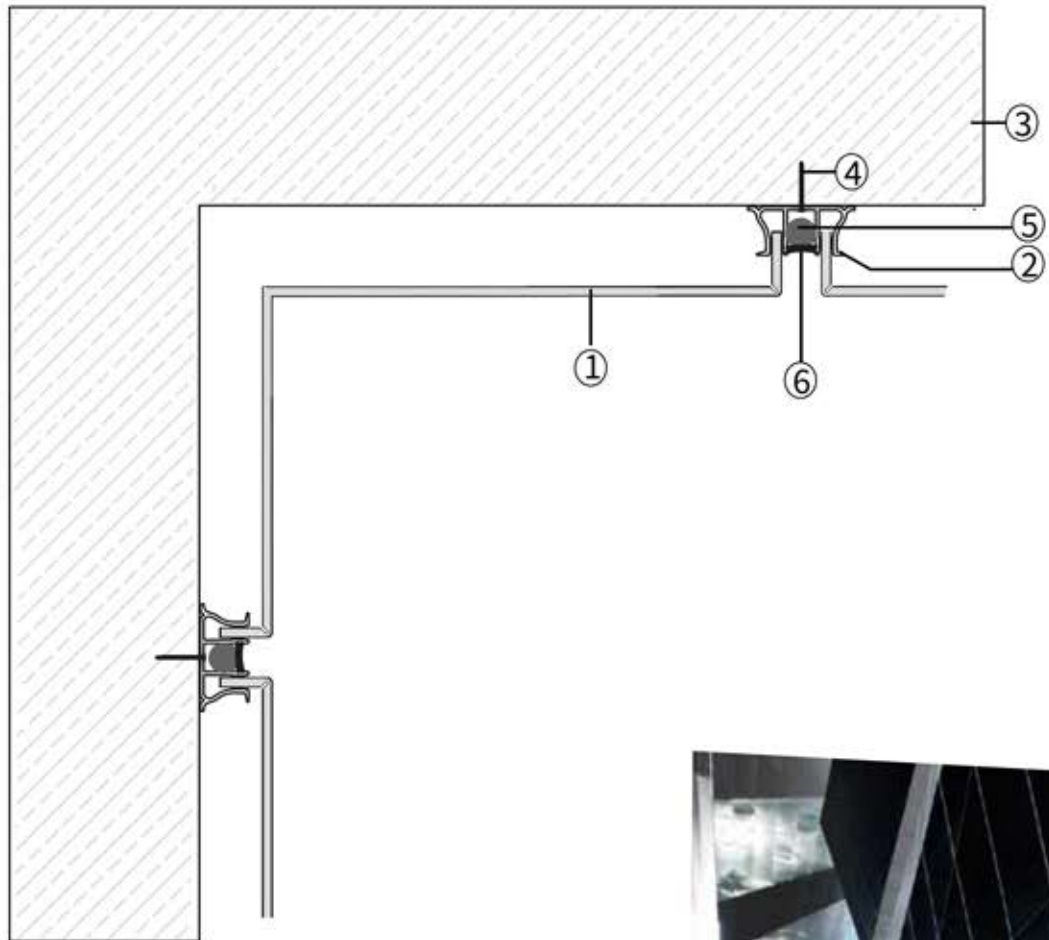
DESCRIPTION: CLOSING WITH FLOOR (6)



- 1. WELLBOND ALUMINUM COMPOSITE PANEL
- 2. ALUMINUM PROFILE WG 3552
- 3. WALL
- 4. EXPANSION BOLT



DESCRIPTION: CORNER SEGMENT / INNER CORNER SECTION (7)

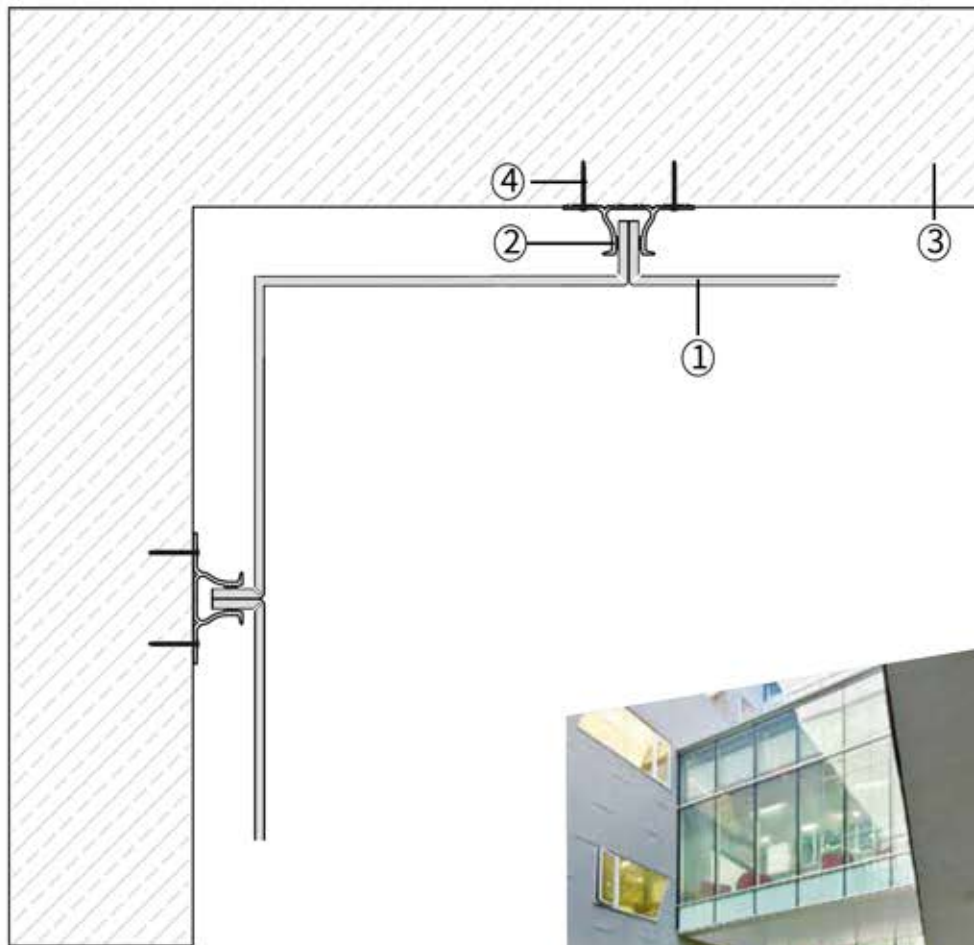


1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3559
3. WALL
4. EXPANSION BOLT
5. BACKING ROD
6. SILICON SEALANT OR RUBBER



DESCRIPTION: CORNER SEGMENT / INNER CORNER SECTION (7)

ZERO JOINT

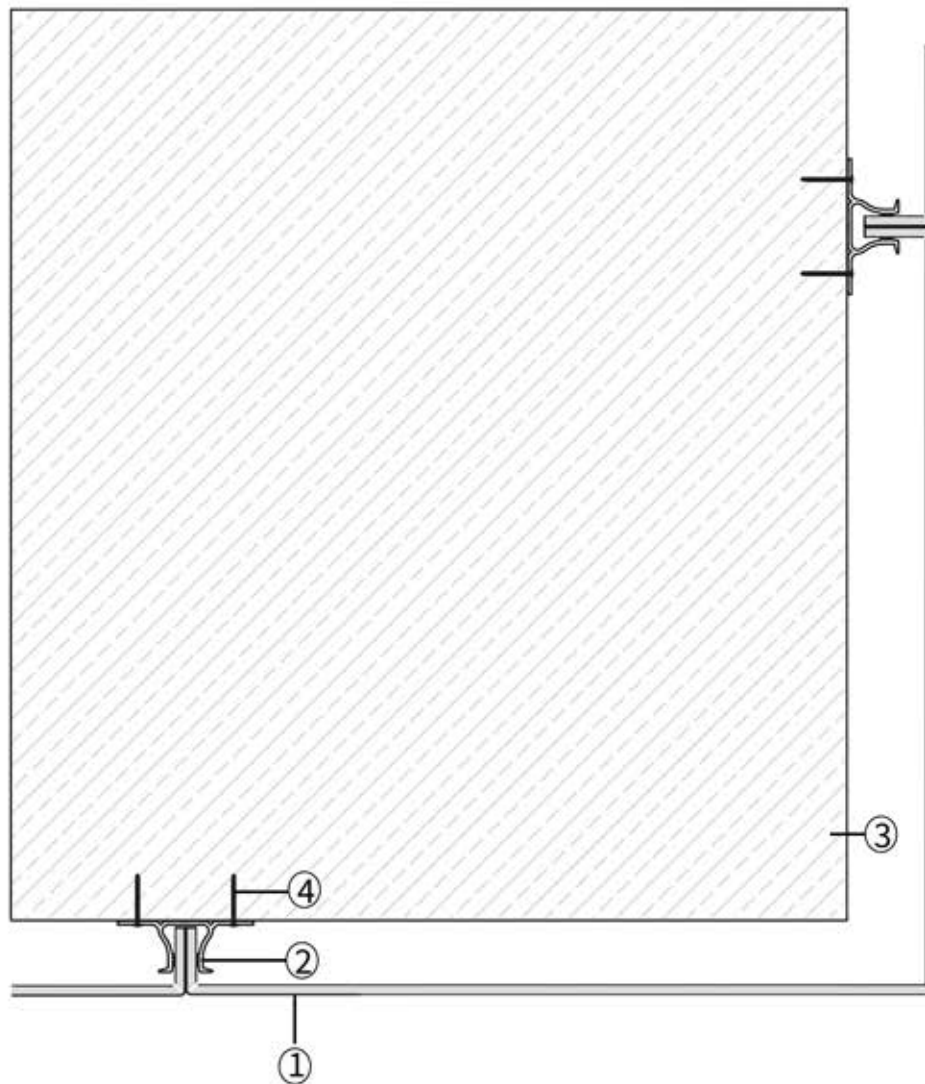


- 1. WELLBOND ALUMINUM COMPOSITE PANEL
- 2. ALUMINUM PROFILE WG 3560
- 3. WALL
- 4. EXPANSION BOLT



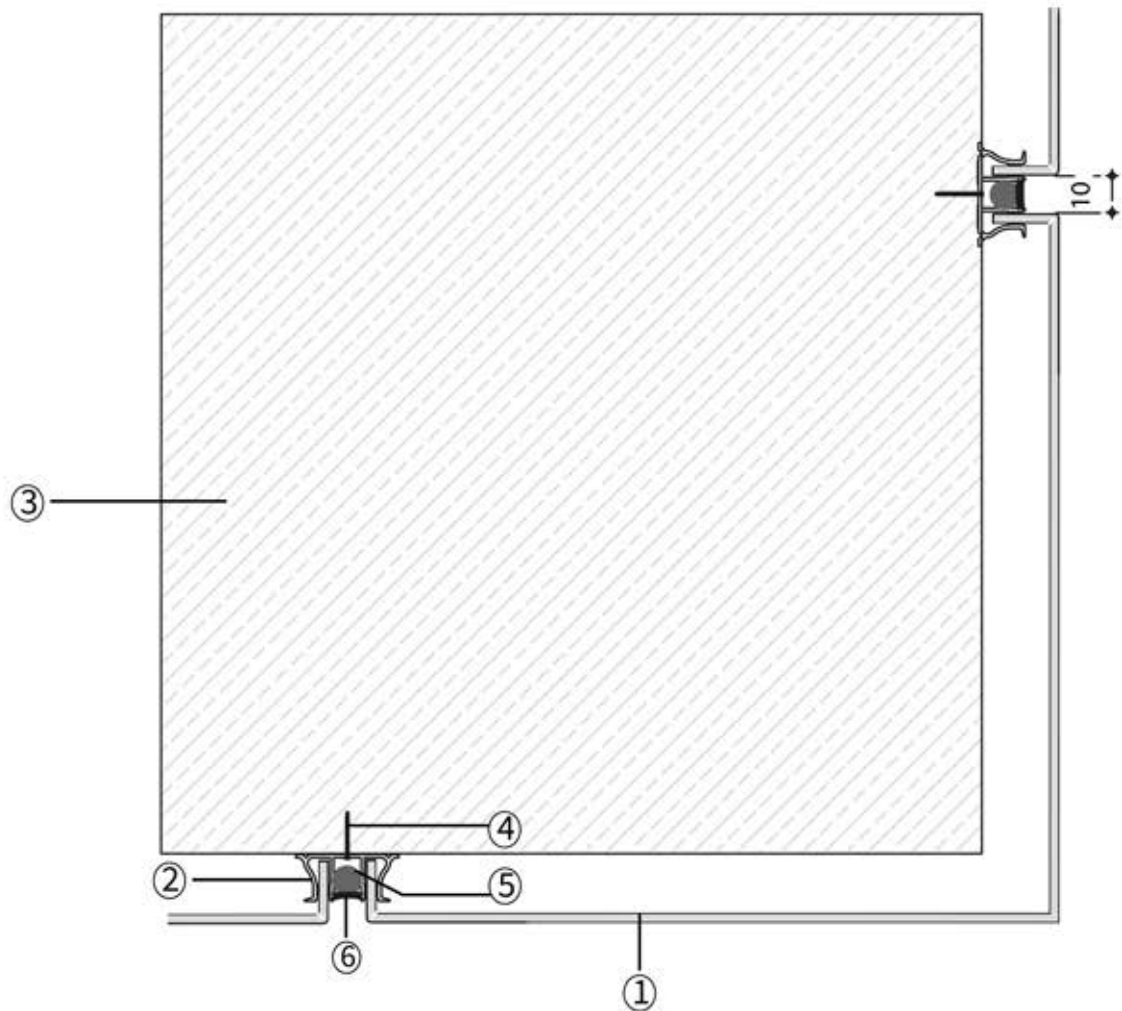
DESCRIPTION: CORNER SEGMENT / OUTER CORNER SECTION (8)

ZERO JOINT



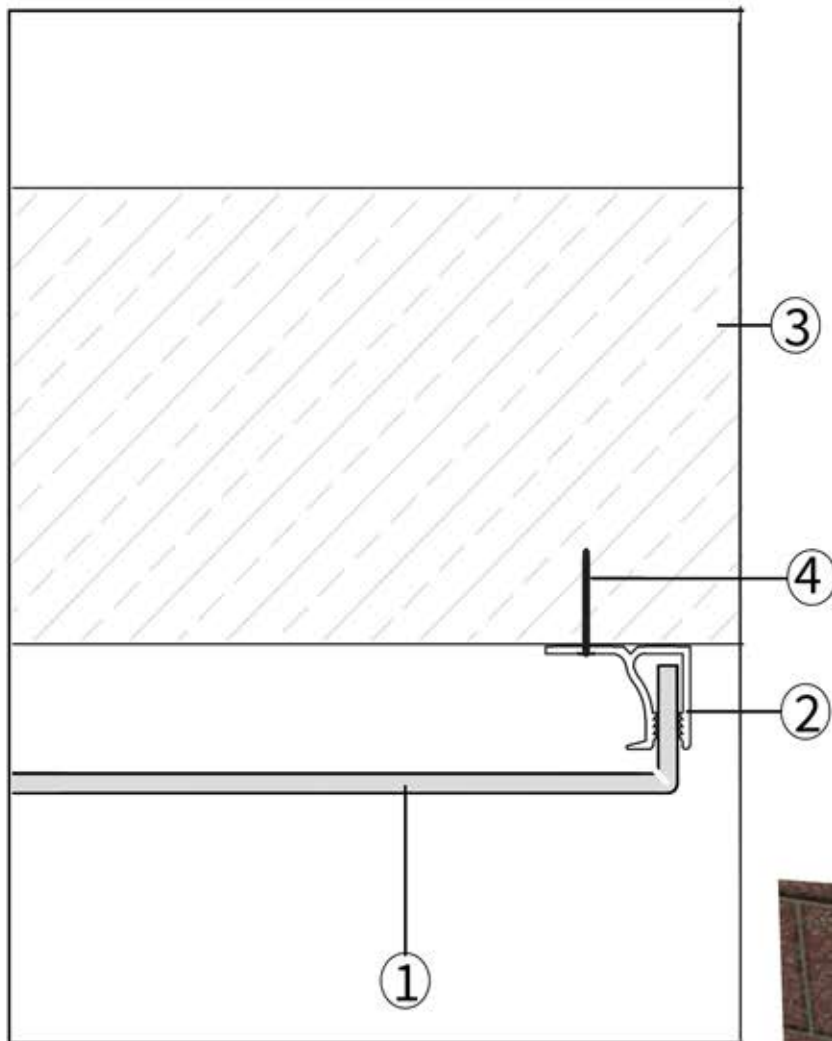
1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3560
3. WALL
4. EXPANSION BOLT

DESCRIPTION: CORNER SEGMENT / OUTER CORNER SECTION (8)



1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3559
3. WALL
4. EXPANSION BOLT
5. BACKING ROD
6. SILICON SEALANT OR RUBBER

DESCRIPTION: CLOSING WITH SIDE WALL (9)



1. WELLBOND ALUMINUM COMPOSITE PANEL
2. ALUMINUM PROFILE WG 3552
3. WALL
4. EXPANSION BOLT

