



SE - 86

SLIDING SYSTEM

ALUMEG

Integrated Façade Systems



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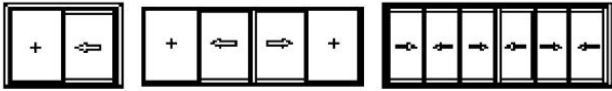
SLIDING SYSTEM SE 86 W&D

Windows & Doors

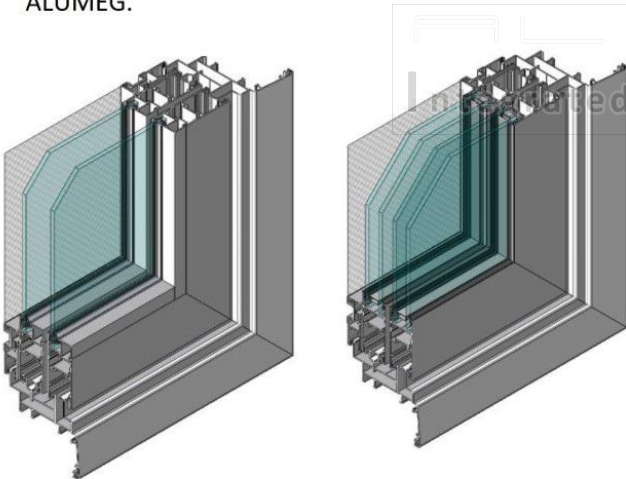
SE 86 W&D Window & Door System enables the construction of various window and door type configurations. The system consists of many of standard profiles, reinforced profile for extra strength, and any custom made profiles could be designed upon request.

System Description

SE 86 W&D is non-thermally broken sliding system. Sliding rail is integrated in the frame. The frame could be boxed or single layer for most economic small opening. High quality of brushes with nylon fin allowing for superior tightness. Fly screen available integrated with the frame or add-on thus allowing to be fixed both sides of the opening. Built in architrave, non architrave, and add-on architrave with various architrave and glazing bead designs to suit different styles.



Opening Configurations: varies opening configuration such as two sliding leaves, three sliding leaves and up to six sliding leaves. Thus allowing for wide opening up to seven meter with one panel only at each side. Thanks to the patented design of the extendable frame by ALUMEG.



Glazing Thickness

Sliding system leaves could be with or without glazing bead. Glass should conform the requirements of BS 6262 & ASTM E 1300-3 for thickness and type, in terms of wind resistance, safety and security.

Glazing thickness 6: 26 mm

Drainage

SE 86 W&D have a specially designed “weep” drainage system with vented slots on the exterior bottom of the frames to protect the inside of your property. The weep system allows water to drain to the outside as it builds up. Drainage plastic cover cap prevent the water to penetrate inside the system but allow the air to pressure equalize the frame cavity to promote drainage efficiency.

Sound Insulation Performance

Depending largely upon the glass specification, generally the window framing reduces the figure by 2 to 3 db(A) (a sound reduction of approx. 40 DBA can be achieved).

Materials

The system is constructed from extruded aluminium profiles, using alloy **6063** subject to **T5** thermal treatment, following **UNE EN – 573-1** standard. Profiles are extruded following the standard **UNE EN – 12020 & UNE EN – 755**.

Construction

Varies fabrication and installation methods using corner crimping or corner with internal claspings, 90° and 45° connection using variety of fitting sources such as Italian, Portages, Greece, and Turkish manufacturer. The system allows the adaptation of the **European Groove** fittings. All instructions regarding the manufacture and installation of the system must be strictly followed.

Weathering

Glazing vision strips are made of EPDM conforming to BS 4255 Part 1.

Technical Performance

The system can achieve the following criteria when manufactured, installed and glazed according to ALUMEG recommended procedures and fabrication manual.

System Classifications

- Air permeability: **Class 3**
Classification according to **UNE-EN 12207:2000**
Tested according to UNE-EN 1026:2000
- Water tightness: **Class 7A**
Classification according to **UNE-EN 12208:2000**
Tested according to UNE-EN 1027:2000
- Wind resistance: **Class B2**
Classification according to **UNE-EN 12210:2000**
Tested according to UNE-EN 12211:2000

Size limitations

Size limitation of the system depends on various parameters such as wind load, glazing thickness, leaf size and weight, and mullion/transom members used to suit the span.

- Sash overall weight Up to 250 kg
Capacity depends on opening and hardware configuration
- Sash dimension limit (width) 2250 mm
- Sash dimension limit (height) 2800 mm

لضمان الإحكام الأقصى للنظام. يوجد غطاء من قطعتين من خامة البولي أميد لتحقيق دخول الهواء و منع دخول الماء.

النظام المنزلق SE 86 W&D الأبواب و الشبابيك

أداء العزل الصوتي
يعتمد العزل الصوتي للنظام إلى حد كبير على مواصفات الزجاج حيث يقلل إطار النافذة بشكل عام مقدار 2 إلى 3 ديسيبل (أ) يمكن تحقيق عزل صوتي بمقدار 40 DBA.

المواد المستخدمة
تم إنشاء النظام من صفائح الألمنيوم الميثوقة ، باستخدام سبيكة 6063 الخاضعة للمعالجة الحرارية T5 ، وفقا لمعيار UNE EN - 573-1. يتم بثق القطاعات وفقا لمعيار UNE EN - 12020 و UNE EN - 755 .

طرق التصنيع و التركيب
تختلف طرق التصنيع و التركيب باستخدام زاويق التجميع أو تدبيس الزاويه مع التثبيت الداخلي ، يتم تقطيع الضلف في نظامين مختلفين علي 90 درجة أو 45 درجة باستخدام مجموعة متنوعة من مصادر التركيب مثل الألمانية، الإيطالية، الأسبانية، البرتغالية، اليونانية ، و التركية. أتاح إتباع الفراغ الأوروبي EURO GROVE إمكانية إستعمال غير محدوده من الخردوات و الإكسسوارات الأوروبية. يجب اتباع جميع التعليمات المتعلقة بتصنيع و تركيب النظام بدقة لتحقيق الكفاءة المرجوه.

إحكام النظام
شرايط الرؤية الزجاجية مصنوعة من EPDM تتوافق مع BS 4255 الجزء 1.

الأداء الفني
يمكن للنظام تحقيق المعايير التالية عند تصنيعها وتركيبها وتزجيجها وفقا للإجراءات الموصى بها من ALUMEG ودليل التصنيع.

تصنيفات النظام
نفاذية الهواء: الفئة 3
التصنيف حسب 2000 UNE-EN 12207
تم الاختبار وفقا لـ 2000 UNE-EN 1026
إحكام تسرب المياه: الفئة 7 أ
التصنيف حسب 2000 UNE-EN 12208
تم الاختبار وفقا لـ 2000 UNE-EN 1027
مقاومة الرياح: الفئة B2
التصنيف حسب 2000 UNE-EN 12210
تم الاختبار وفقا لـ 2000 UNE-EN 12211

عناصر إحكام النظام:
تتكون شرايط الإحكام Gasketing من مادة المطاط الخام الغير معاد تشغيله EPDM المطابق للمواصفات البريطانيه BS 4255 الجزء الأول.

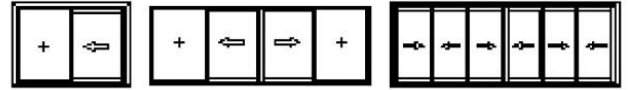
الأداء الفني:
يحقق النظام المنزلق من الوميج أعلى معايير الإحكام عند تصنيعها وتركيبها وفقا للإجراءات الموصى بها ودليل التصنيع.

قيود الحجم
يعتمد تحديد حجم النظام على عوامل مختلفة مثل حمل الرياح ، سمك الزجاج ، وحجم الضلف و وزنها ، و القطاعات المستخدمة لتناسب بحور الفتحات.

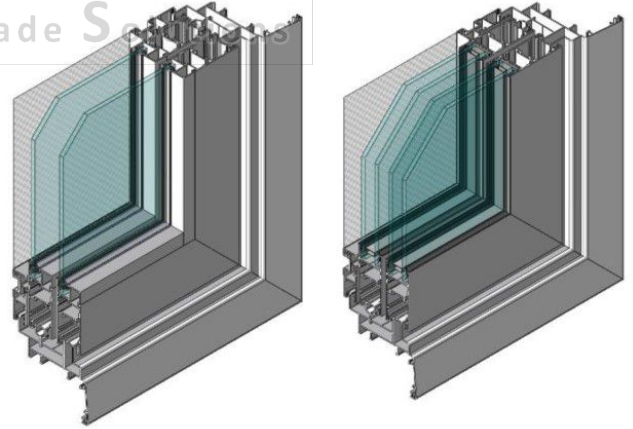
- إجمالي وزن الضلفه حتى 250 كجم
- تعتمد قدره علي التحميل بشكل أساسي علي الخردوات المستخدمه
- أقصى عرض للضلفه 2000 مم
- أقصى ارتفاع للضلفه 2800 مم

يمكن نظام المنزلق SE 86 W&D للأبواب و الشبابيك من تنفيذ العديد من تكوينات النوافذ و الأبواب و ذلك لأنه يحتوي علي العديد من القطاعات القياسيه المختلفه و التي يمكن تدعيمها بإضافة قطاعات للحصول علي قوه اضافيه و التي مكنت ارتفاع الضلف إلي أن تصل إلي أكثر من أربعة أمتار دون الحاجه إلي عوارض أفقيه للتقويه. و كذلك يمكن تصميم أي أنظمه خاصه يحتاجها المشروع في حالة عدم وجودها ضمن نظام الوميج المنزلق.

وصف النظام المنزلق
SE 86 W & D هو نظام منزلق غير مفصول حراريا. الحلق النمطي مدهون بالكامل لضمان سرعة التشغيل و إقتصادية القطاع . يمكن أن يكون الإطار مكون من علب أو طبقة واحدة وذلك للفتحات الصغيرة الاقتصادية. لضمان الإحكام من الأتربه يستعمل فرش مع زعفة النايلون. يوجد العديد من البدائل لضلف السلك بدءا من حلق بمجري سلك مدمجه مع الأطار أو منفصل و يمكن تركيبها من الداخل أو الخارج . أما عن البر فقد يكون مدمج مع الحلق أو منفصل و الذي روعي في تصميمه الإتساق مع التصميم الداخليه المختلفه و ذلك بالتنسيق مع التصميم المختلفه للباكتات.



بدائل التصميم:
يوجد العديد من البدائل للتشغيل ، ابتداءا من ضلفه منزلقه علي ضلفه ثابتة ، ضلقتين منزلقتين ، أو أربعة ضلف منزلقه علي مجرتين و التي يمكن أن تكون أعلى أو أسفل ضلف ثابتة مع ضمان إستمرارية البر علي الفتحه الكليه.



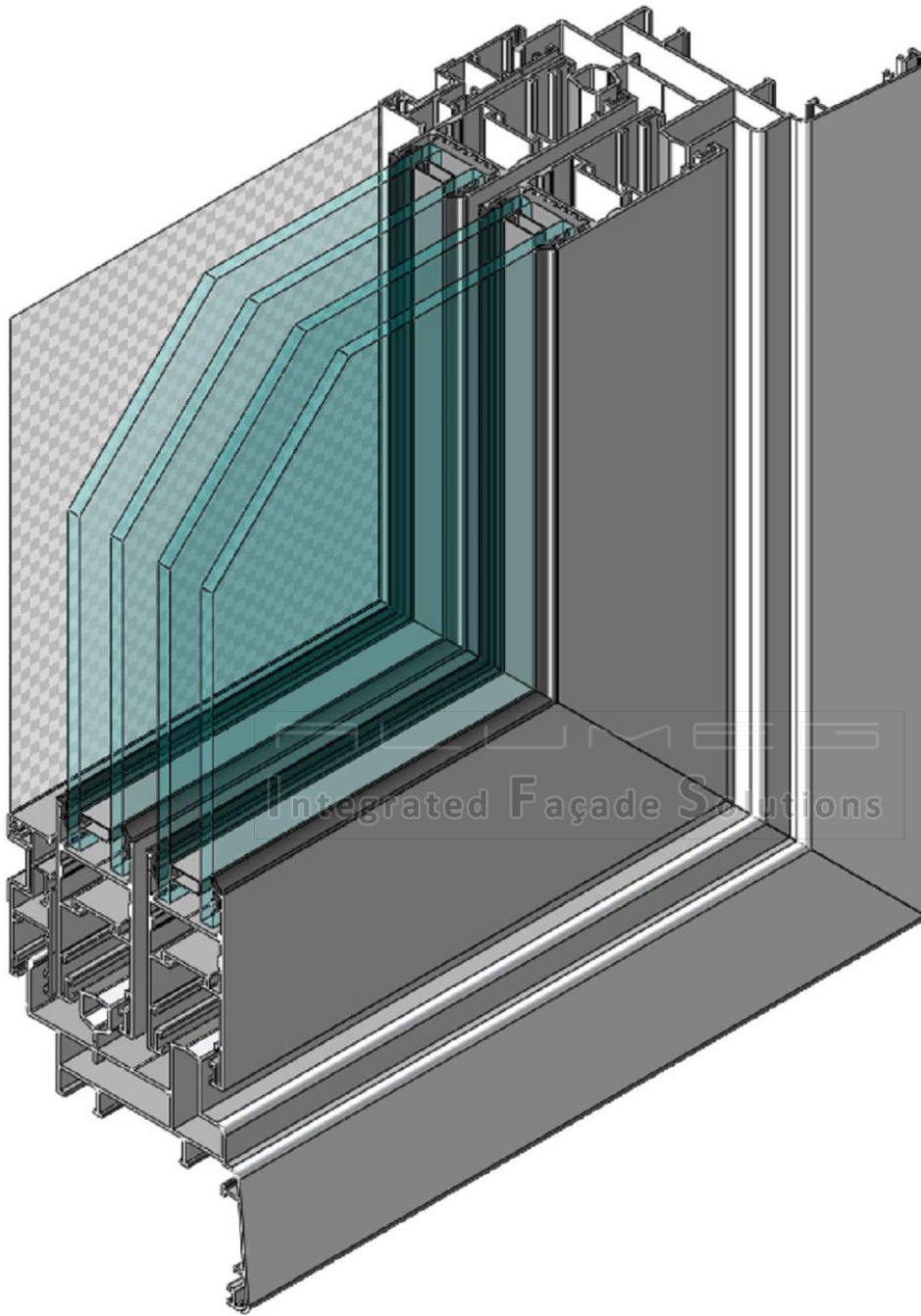
تخانات الزجاج:
يوجد العديد من البدائل للضلف فمنها بدون باكتات إحكام لتحقيق أعلى سرعة تشغيل و إقتصادية القطاع بتخانة زجاج تصل إلي 28 مم و كذلك يوجد ضلف بكتات لتمكين تغيير الزجاج دون الحاجه إلي فك الضلفه بنفس تخانة الزجاج. يجب تصميم تخانات و طريقة التقسيه المناسبه طبقا لمتطلبات المواصفات القياسيه الأمريكيه ASTM E 1300-3 و الكود البريطاني BS 6262 لمواصفات الأمان و الأمن.

تخانات الزجاج: 6,8,10 مم للزجاج المفرد حتى 28 مم للزجاج المزدوج

صرف القطاع:
تم تصميم صرف المياه داخل النظام المنزلق من خلال فتحات مرحله في الحلق لضمان التحكم في سرعة الهواء داخل القطاع و كذلك صعوبة دخول الماء من الخارج داخل القطاع. تم عمل ميول لضمان سهولة الصرف للخارج و الذي روعي ليكون سطحي فقط و ليس من داخل علبه الحلق



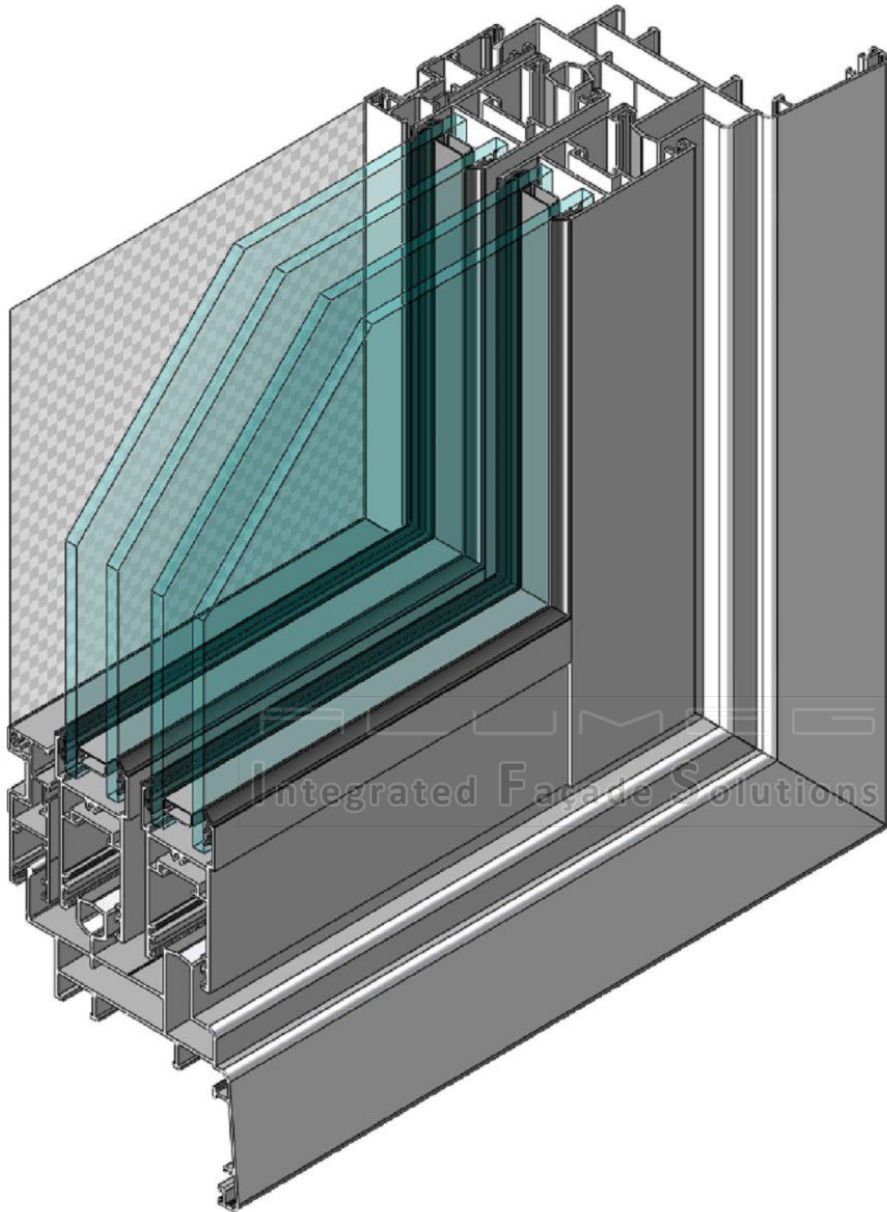
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Two rails, built in fly screen, built in architrave frame and double glazed 45° assembly sash.



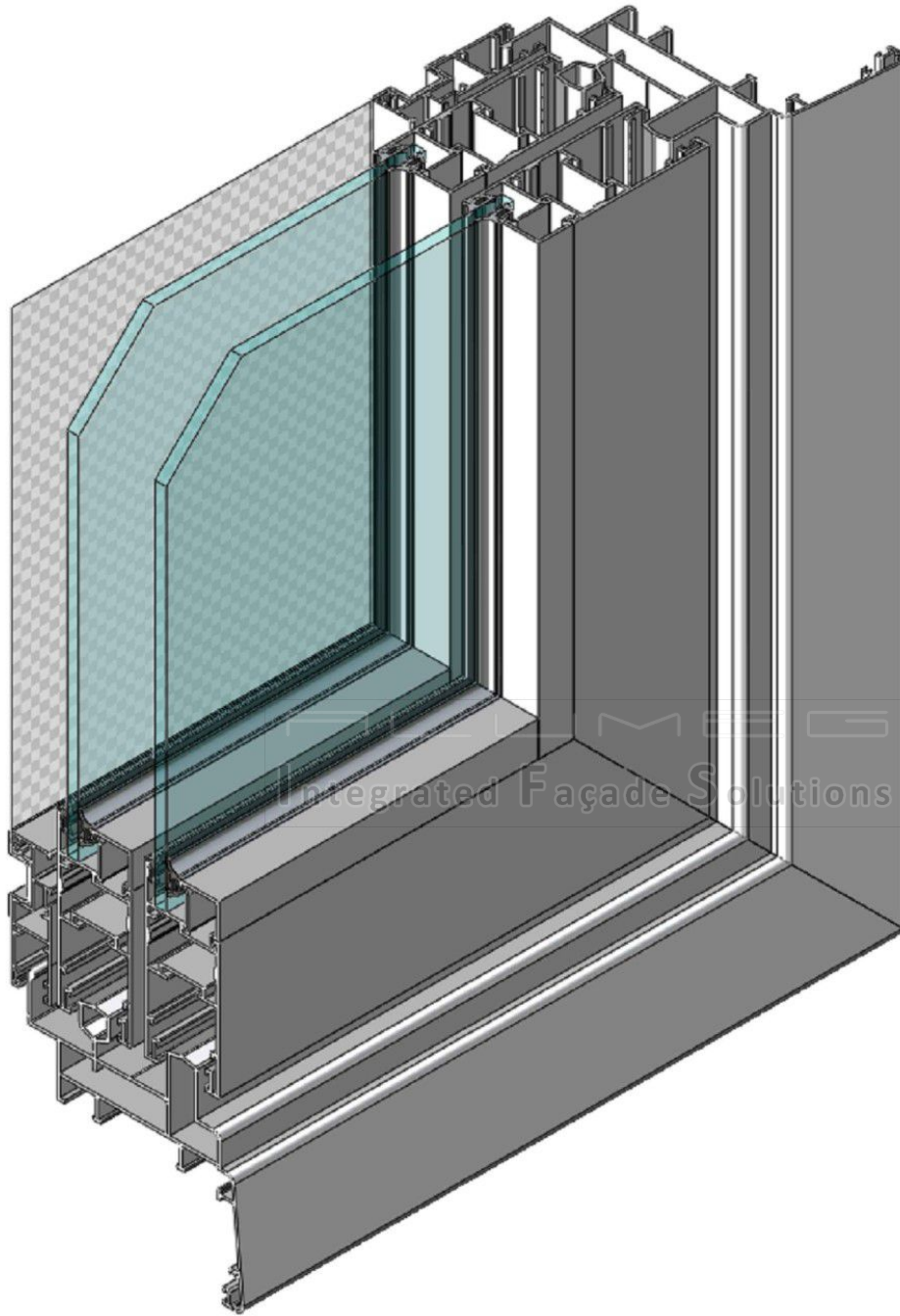
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Two rails, built in fly screen, built in architrave frame and double glazed 90° assembly sash.



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Two rails, built in fly screen, built in architrave frame and double glazed 45° assembly sash with glazing bead.



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|-----------------------|--|--------------------------|-----------------------|
| Profile Article no. | | Ix 12.97 Cm ⁴ | Weight : 1.607 Kg/m´ |
| SE86AL01200 | | Iy 44.47 Cm ⁴ | Perimeter : 72.69 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. | | Ix 42.08 Cm ⁴ | Weight : 1.947 Kg/m´ |
| SE86AL01201 | | Iy 70.81 Cm ⁴ | Perimeter : 93.37 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. | | Ix 45.19 Cm ⁴ | Weight : 2.135 Kg/m´ |
| SE86AL01211-IN | | Iy 84.58 Cm ⁴ | Perimeter : 101.41 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. | | Ix 14.43 Cm ⁴ | Weight : 1.795 Kg/m´ |
| SE86AL01210 | | Iy 62.92 Cm ⁴ | Perimeter : 80.61 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. | | Ix 14.42 Cm ⁴ | Weight : 1.796 Kg/m´ |
| SE86AL01210-IN | | Iy 63.28 Cm ⁴ | Perimeter : 80.74 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. | | Ix 45.33 Cm ⁴ | Weight : 2.133 Kg/m´ |
| SE86AL01211 | | Iy 95.77 Cm ⁴ | Perimeter : 101.31 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

Technical data



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|---------------------|--|--------------------------|----------------------|
| Profile Article no. | | lx 11.11 Cm ⁴ | Weight : 1.595 Kg/m' |
| SE86AL01100 | | ly 43.96 Cm ⁴ | Perimeter : 74.35 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

| | | | |
|---------------------|--|-------------------------|----------------------|
| Profile Article no. | | lx 7.62 Cm ⁴ | Weight : 1.365 Kg/m' |
| HP50AL02030 | | ly 38.9 Cm ⁴ | Perimeter : 67.5 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

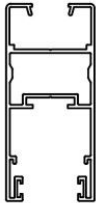
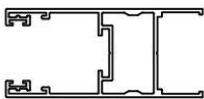
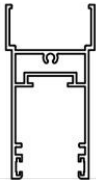
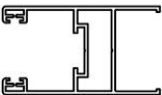
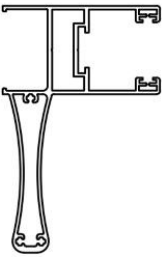
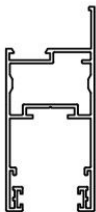
Integrated Façade Solutions

Technical data

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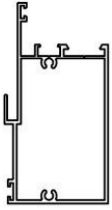
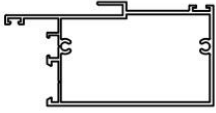
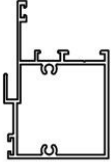
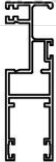
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|---------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------|
| Profile Article no. |  | lx 35.75 Cm ⁴ | Weight : 1.445 Kg/m´ |
| SE86AL020145 | | ly 13.81 Cm ⁴ | Perimeter : 66.88 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 30.24 Cm ⁴ | Weight : 1.351 Kg/m´ |
| SE86AL020245 | | ly 13.34 Cm ⁴ | Perimeter : 62.63 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 18.31 Cm ⁴ | Weight : 1.142 Kg/m´ |
| SE86AL020390 | | ly 9.01 Cm ⁴ | Perimeter : 52.83 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 13.17 Cm ⁴ | Weight : 1.078 Kg/m´ |
| SE86AL020490 | | ly 10.06 Cm ⁴ | Perimeter : 52.37 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 13.17 Cm ⁴ | Weight : 1.078 Kg/m´ |
| SE86AL020790 | | ly 10.06 Cm ⁴ | Perimeter : 52.37 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 29.1 Cm ⁴ | Weight : 1.319 Kg/m´ |
| SE86AL020745 | | ly 12.55 Cm ⁴ | Perimeter : 62.4 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

Technical data



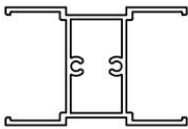
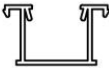
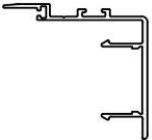
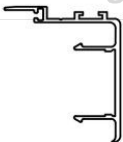


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|---------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------|
| Profile Article no. |  | lx 32.67 Cm ⁴ | Weight : 1.185 Kg/m´ |
| SE86AL020845 | | ly 12.56 Cm ⁴ | Perimeter : 59.43 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 36.23 Cm ⁴ | Weight : 1.213 Kg/m´ |
| SE86AL020945 | | ly 12.99 Cm ⁴ | Perimeter : 60.73 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 15.36 Cm ⁴ | Weight : 1.045 Kg/m´ |
| SE86AL020990 | | ly 9.96 Cm ⁴ | Perimeter : 50.91 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 12.37 Cm ⁴ | Weight : 0.783 Kg/m´ |
| SE86AL030400 | | ly 1.63 Cm ⁴ | Perimeter : 44.99 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

Technical data









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|---------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------|
| Profile Article no. |  | lx 7.08 Cm ⁴ | Weight : 0.881 Kg/m´ |
| SE86AL020590 | | ly 7.34 Cm ⁴ | Perimeter : 41.88 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 0.73 Cm ⁴ | Weight : 0.344 Kg/m´ |
| SE86AL020690 | | ly 1.51 Cm ⁴ | Perimeter : 18.40 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 3.14 Cm ⁴ | Weight : 0.462 Kg/m´ |
| SE86AL030145 | | ly 3.24 Cm ⁴ | Perimeter : 26.14 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 1.678 Cm ⁴ | Weight : 0.430 Kg/m´ |
| SE86AL030290 | | ly 3.074 Cm ⁴ | Perimeter : 24.37 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 0.85 Cm ⁴ | Weight : 0.218 Kg/m´ |
| SE86AL030500 | | ly 0.15 Cm ⁴ | Perimeter : 11.60 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 7.09 Cm ⁴ | Weight : 0.415 Kg/m´ |
| SE86AL030600 | | ly 0.32 Cm ⁴ | Perimeter : 24.21 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

Technical data




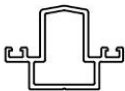
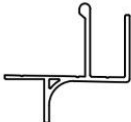



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| Profile Article no. |  | lx 6.78 Cm ⁴ | Weight : 0.411 Kg/m´ |
| SE86AL030601 | | ly 0.37 Cm ⁴ | Perimeter : 23.81 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 6.79 Cm ⁴ | Weight : 0.399 Kg/m´ |
| SE86AL030602 | | ly 0.23 Cm ⁴ | Perimeter : 23.09 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 7.65 Cm ⁴ | Weight : 0.436 Kg/m´ |
| SE86AL030603 | | ly 0.49 Cm ⁴ | Perimeter : 25.73 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 7.73 Cm ⁴ | Weight : 0.455 Kg/m´ |
| SE86AL030604 | | ly 0.75 Cm ⁴ | Perimeter : 26.82 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 7.40 Cm ⁴ | Weight : 0.438 Kg/m´ |
| SE86AL030605 | | ly 0.63 Cm ⁴ | Perimeter : 25.91 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 0.08 Cm ⁴ | Weight : 0.193 Kg/m´ |
| SE86AL030700 | | ly 0.09 Cm ⁴ | Perimeter : 7.29 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

Technical data




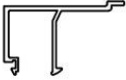
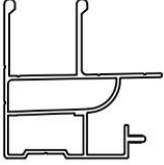



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| Profile Article no. |  | lx 0.14 Cm ⁴ | Weight : 0.115 Kg/m´ |
| SE86AL030800 | | ly 0.17 Cm ⁴ | Perimeter : 6.79 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 1.33 Cm ⁴ | Weight : 0.514 Kg/m´ |
| SE86AL030900 | | ly 1.97 Cm ⁴ | Perimeter : 24.48 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 1.44 Cm ⁴ | Weight : 0.456 Kg/m´ |
| SE86AL031000 | | ly 2.03 Cm ⁴ | Perimeter : 21.14 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 0.01 Cm ⁴ | Weight : 0.066 Kg/m´ |
| SE86AL031100 | | ly 0.01 Cm ⁴ | Perimeter : 4.07 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 4.16 Cm ⁴ | Weight : 0.722 Kg/m´ |
| SE86AL031200 | | ly 1.44 Cm ⁴ | Perimeter : 19.66 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 1.91 Cm ⁴ | Weight : 0.360 Kg/m´ |
| SE86AL031300 | | ly 1.59 Cm ⁴ | Perimeter : 20.80 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

Technical data







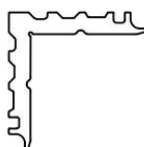
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| | | | |
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| Profile Article no. |  | lx 0.73 Cm ⁴ | Weight : 0.270 Kg/m´ |
| SE86AL031400 | | ly 0.25 Cm ⁴ | Perimeter : 15.43 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 0.70 Cm ⁴ | Weight : 0.340 Kg/m´ |
| SE86AL031500 | | ly 1.66 Cm ⁴ | Perimeter : 18.15 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 8.05 Cm ⁴ | Weight : 0.899 Kg/m´ |
| SE86AL031600 | | ly 7.35 Cm ⁴ | Perimeter : 48.49 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 0.19 Cm ⁴ | Weight : 0.131 Kg/m´ |
| SE86AL031700 | | ly 0.02 Cm ⁴ | Perimeter : 7.94 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 24.16 Cm ⁴ | Weight : 1.841 Kg/m´ |
| SE86AL031800 | | ly 24.16 Cm ⁴ | Perimeter : 54.71 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | lx 25.89 Cm ⁴ | Weight : 2.032 Kg/m´ |
| SE86AL031900 | | ly 25.89 Cm ⁴ | Perimeter : 54.54 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

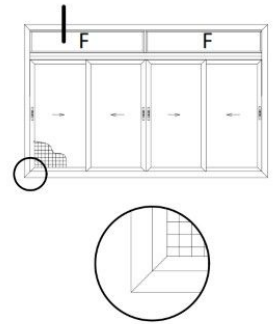
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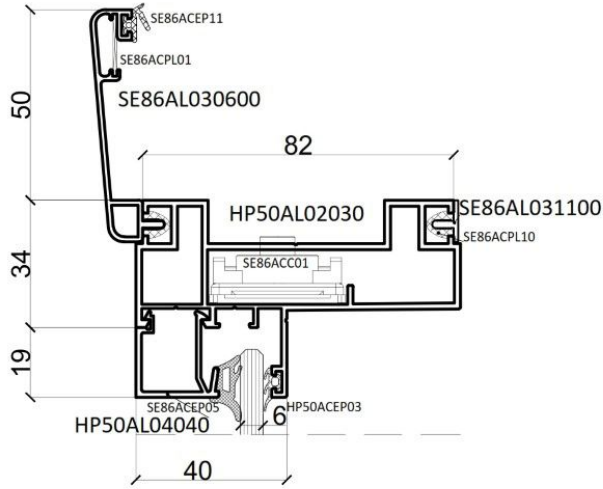
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|---------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------|
| Profile Article no. |  | Ix 0.028 Cm ⁴ | Weight : 0.144 Kg/m´ |
| SE86AL032000 | | Iy 0.396 Cm ⁴ | Perimeter : 10.2 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | Ix 0.56 Cm ⁴ | Weight : 0.282 Kg/m´ |
| HP50AL04040 | | Iy 0.63 Cm ⁴ | Perimeter : 15.59 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | Ix 0.444 Cm ⁴ | Weight : 0.226 Kg/m´ |
| HP50AL04045 | | Iy 0.279 Cm ⁴ | Perimeter : 12.89 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | Ix 0.27 Cm ⁴ | Weight : 0.167 Kg/m´ |
| HP50AL04050 | | Iy 0.22 Cm ⁴ | Perimeter : 9.5 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |
| Profile Article no. |  | Ix 44.72 Cm ⁴ | Weight : 3.128 Kg/m´ |
| SE86AL030801 | | Iy 44.76 Cm ⁴ | Perimeter : 32.33 Cm |
| | | Wx Cm ³ | |
| | | Wy Cm ³ | |

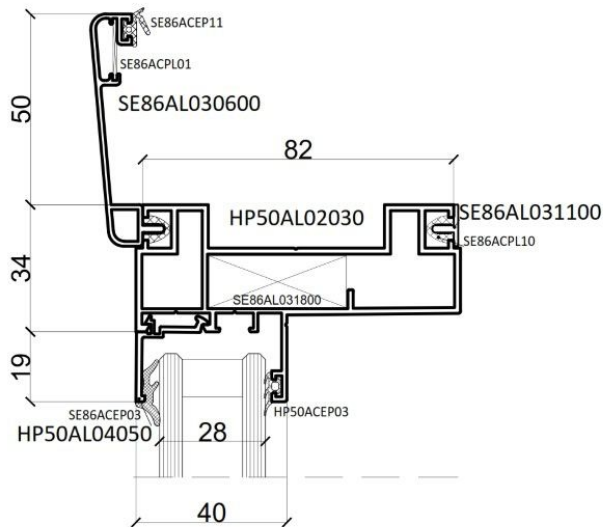
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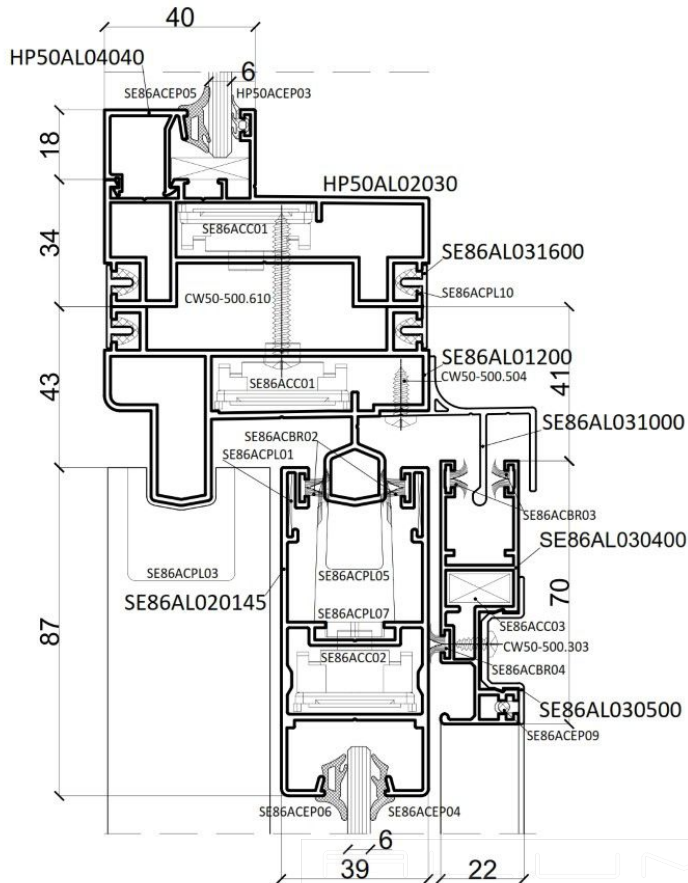
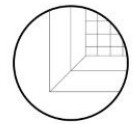
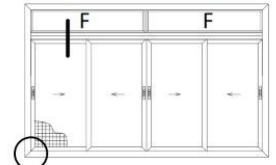
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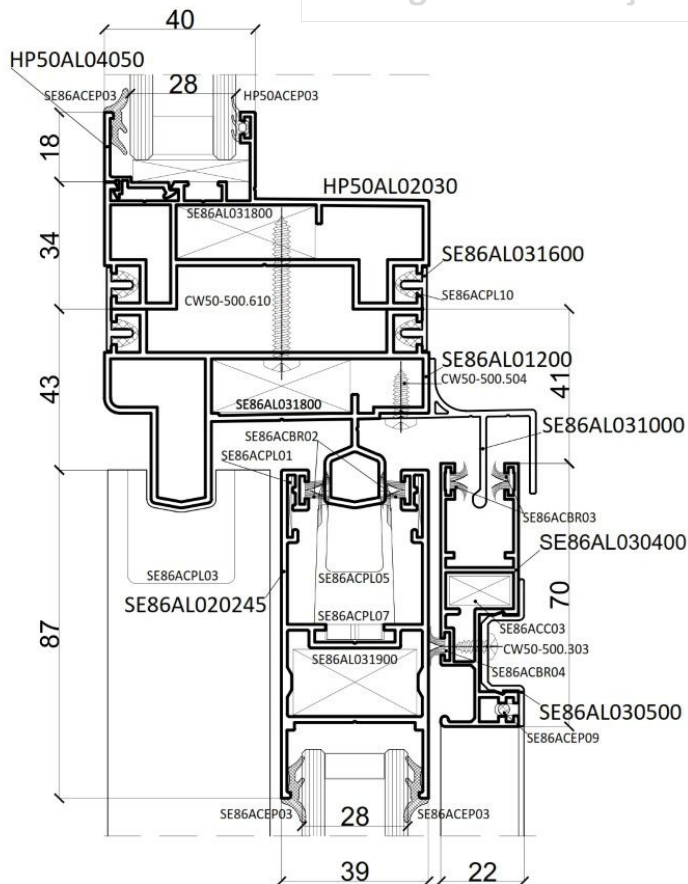
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ASSEMBLY DETAILS
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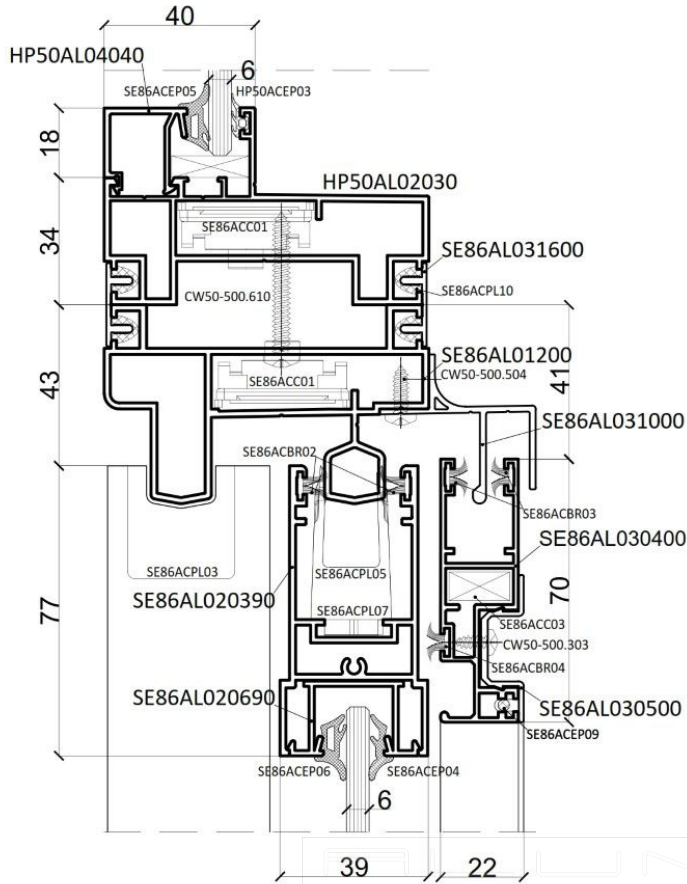
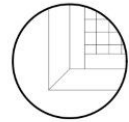
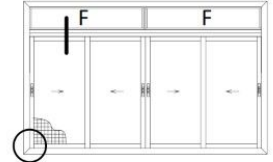


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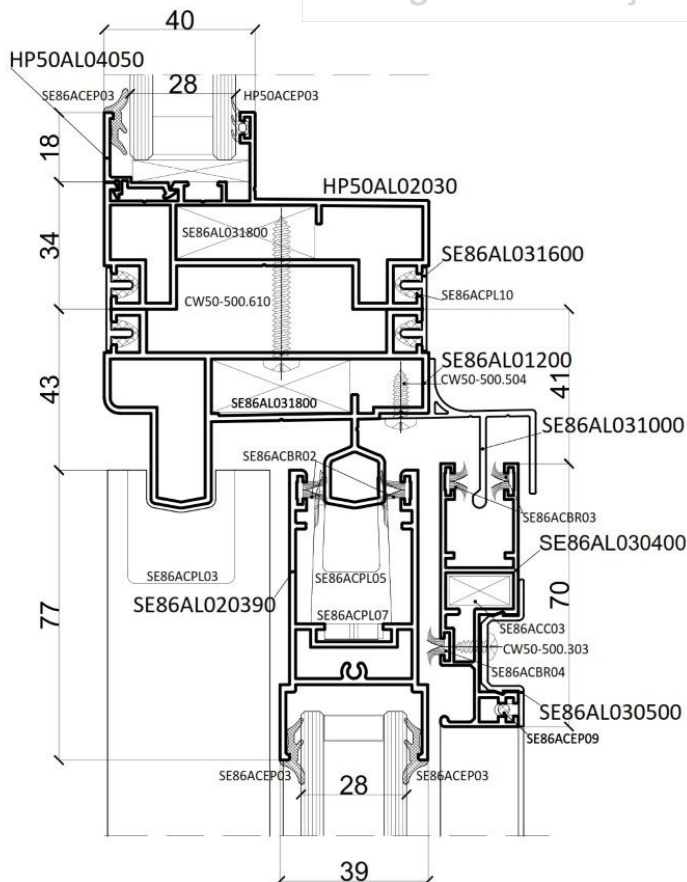


ASSEMBLY DETAILS
Sliding top rail to fixed panel detail
45° sash assembly

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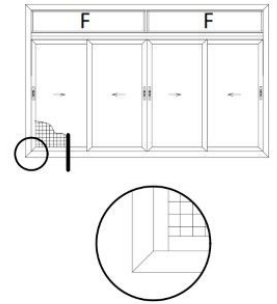
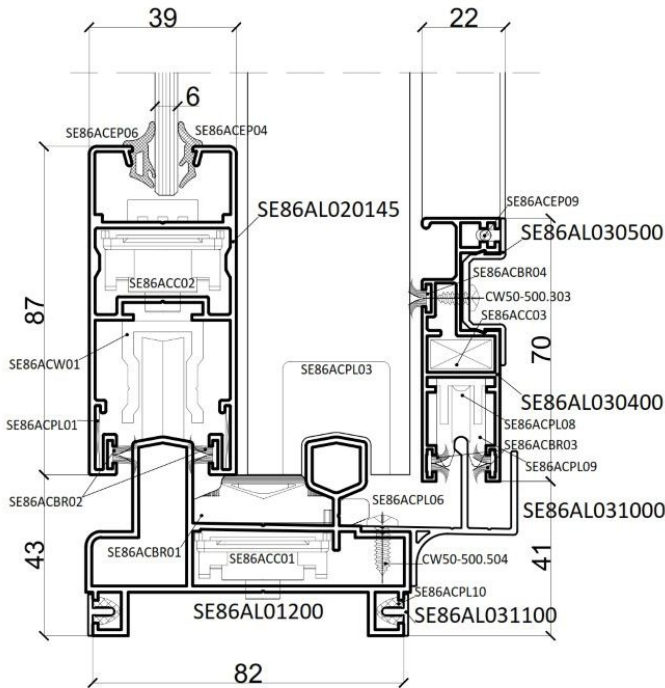
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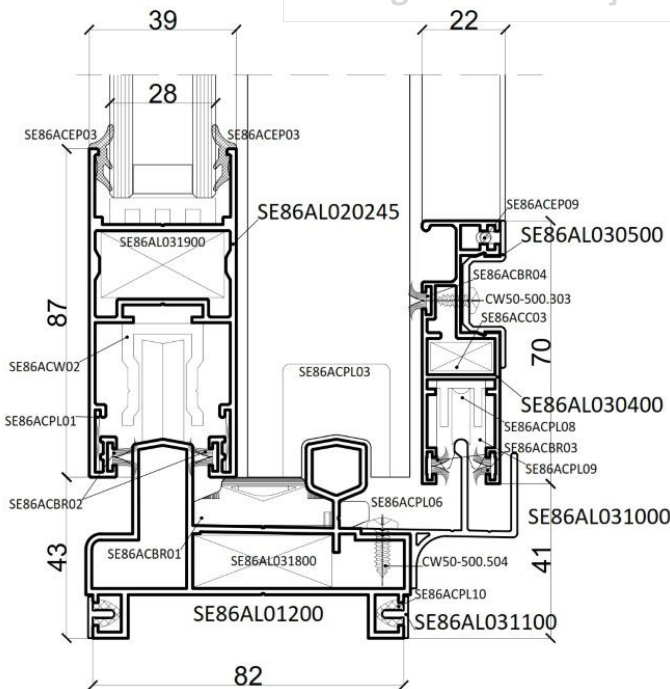
ASSEMBLY DETAILS

Sliding top rail to fixed panel detail
90° sash assembly

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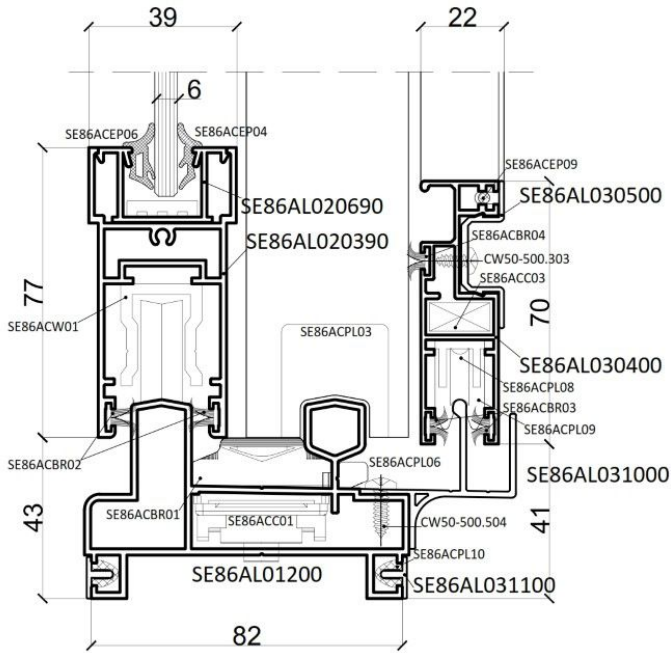
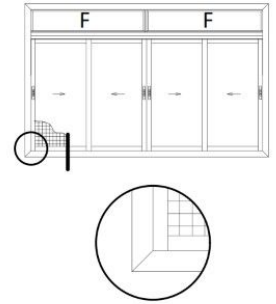


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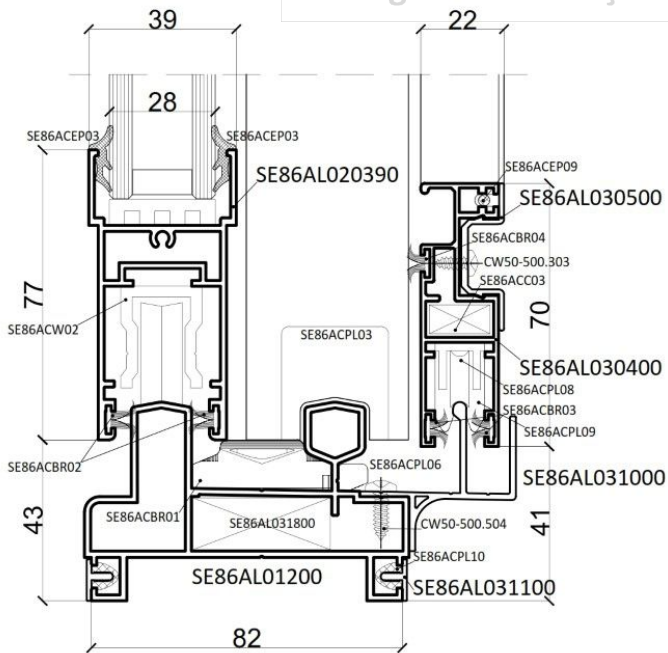


ASSEMBLY DETAILS
Sliding bottom rail to fixed panel detail
45° sash assembly

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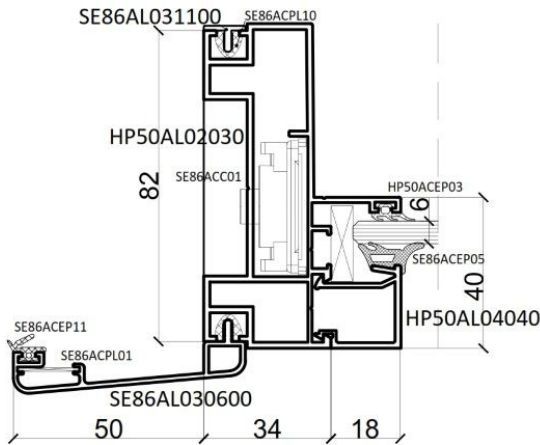
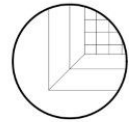


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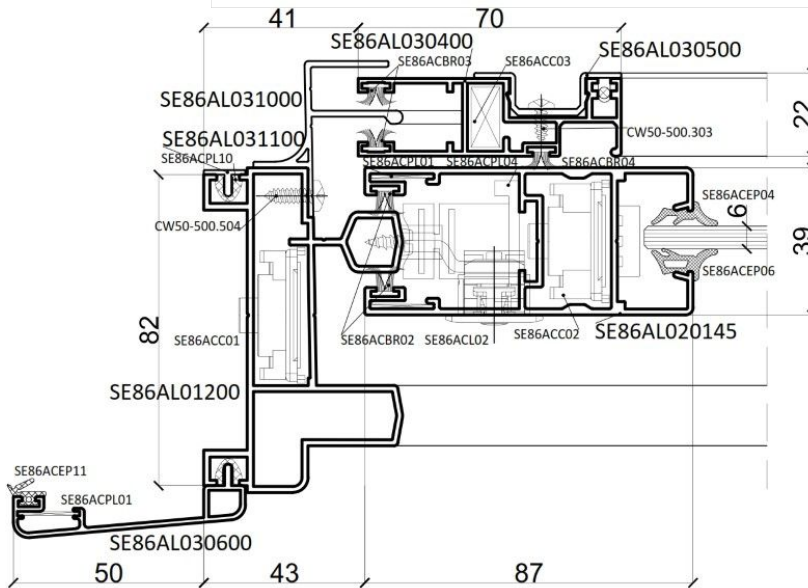


ASSEMBLY DETAILS
Sliding bottom rail to fixed panel detail
90° sash assembly

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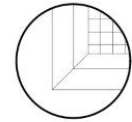
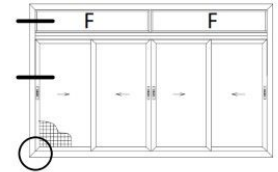
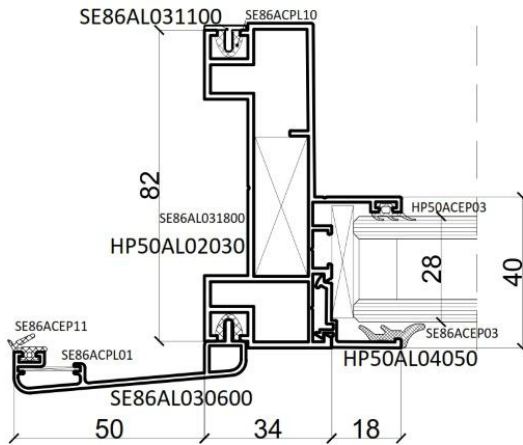


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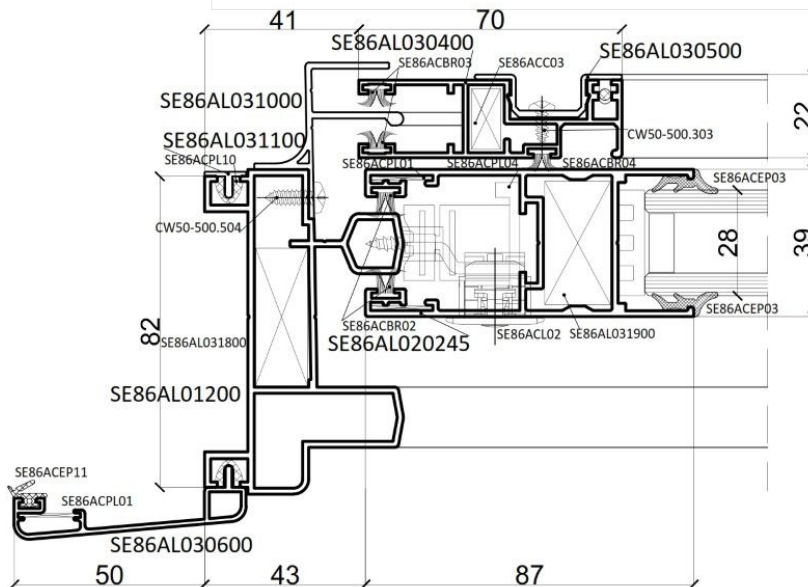
ASSEMBLY DETAILS
Fixed and sliding jamb detail using corner joint
45° sash assembly

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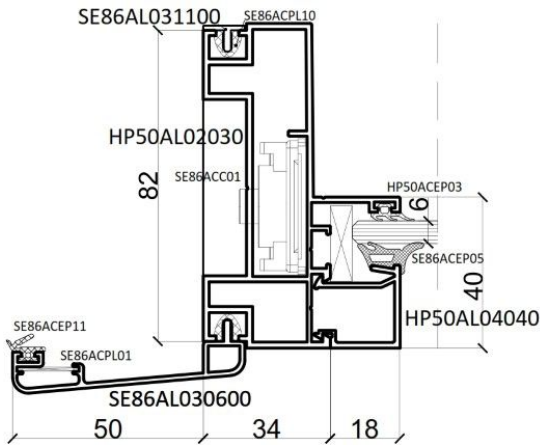
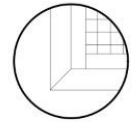
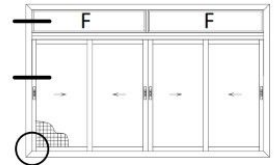


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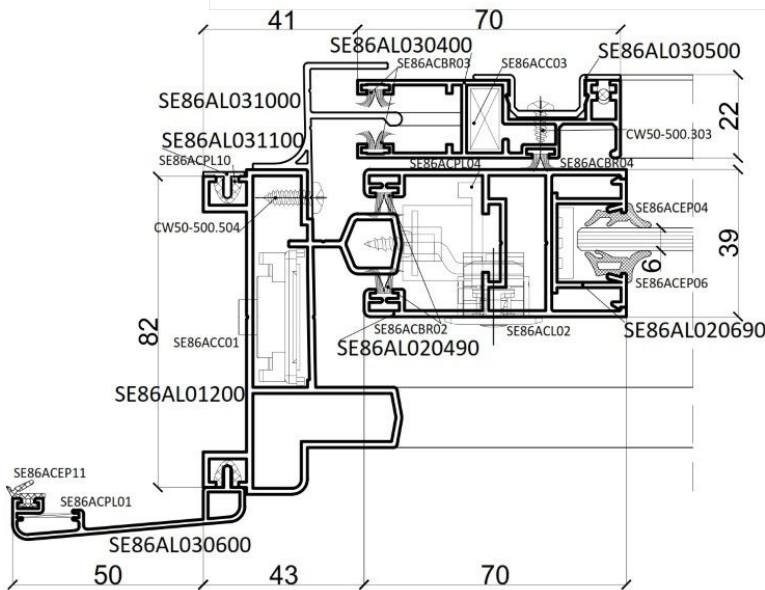
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ASSEMBLY DETAILS
Fixed and sliding jamb detail using crimping joint
45° sash assembly



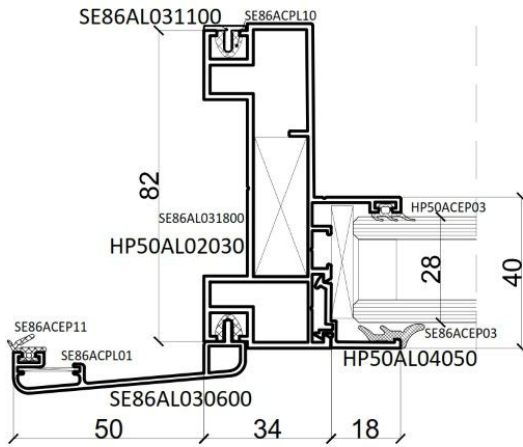
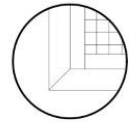
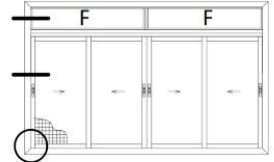
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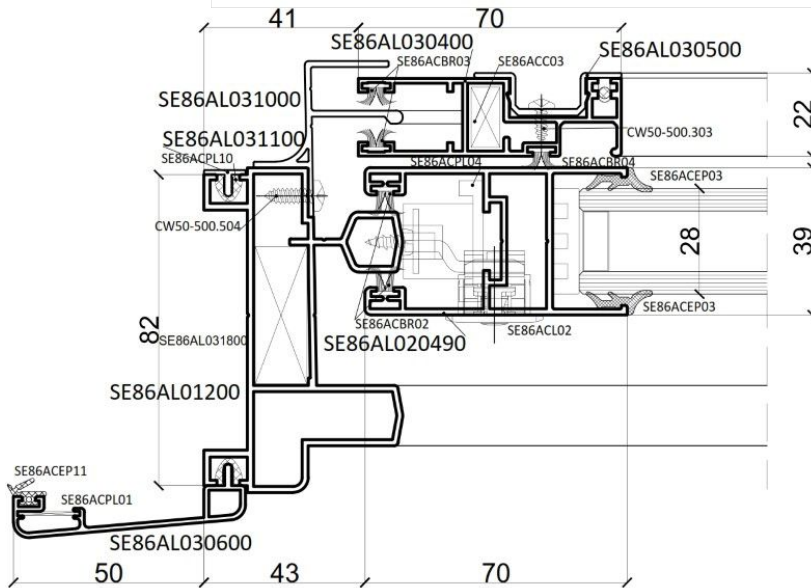
ASSEMBLY DETAILS

Fixed and sliding jamb detail for single glazing
90° sash assembly

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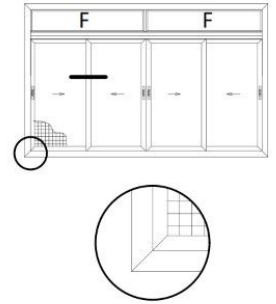
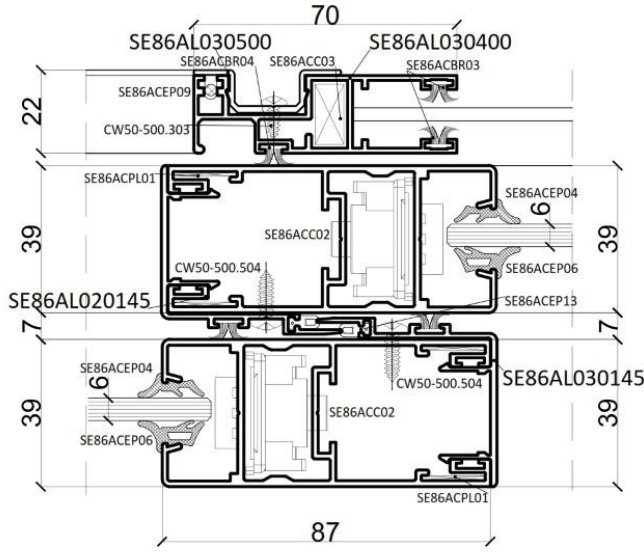
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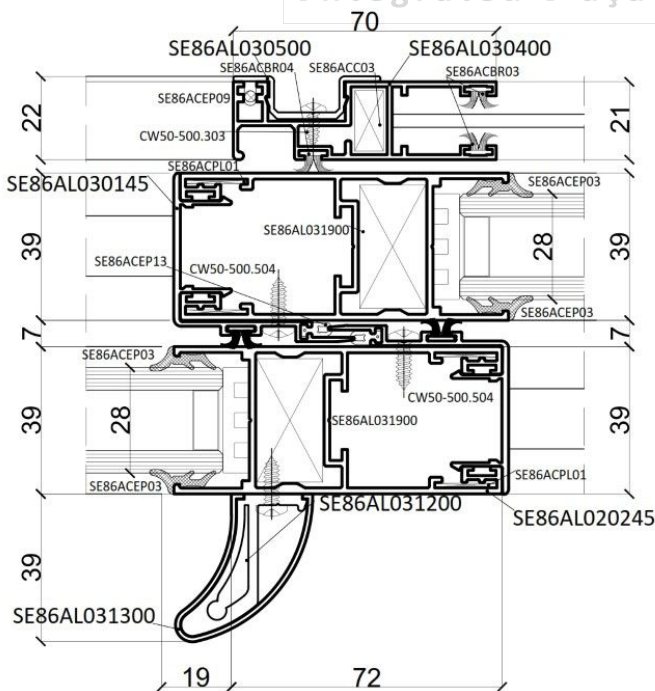
ASSEMBLY DETAILS

Fixed and sliding jamb detail for double glazing
90° sash assembly

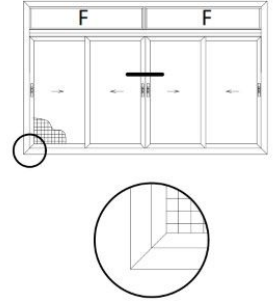
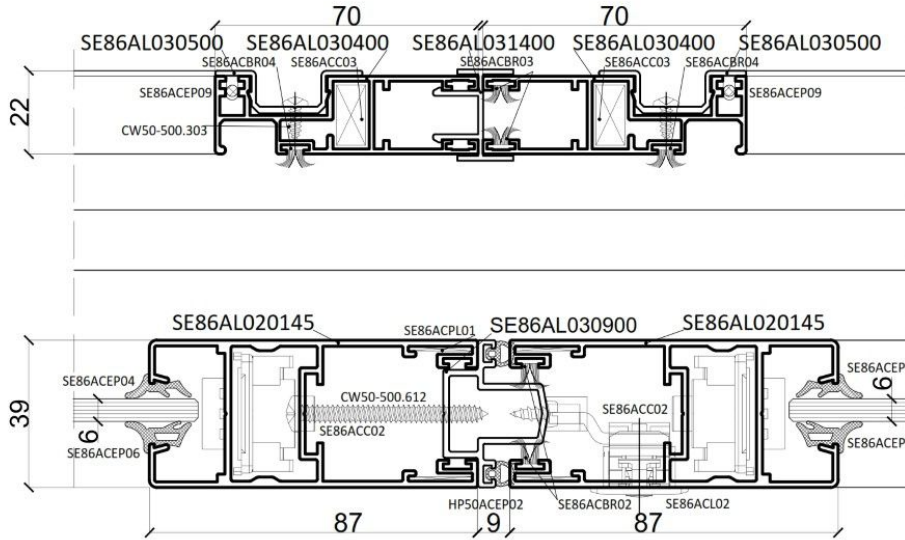
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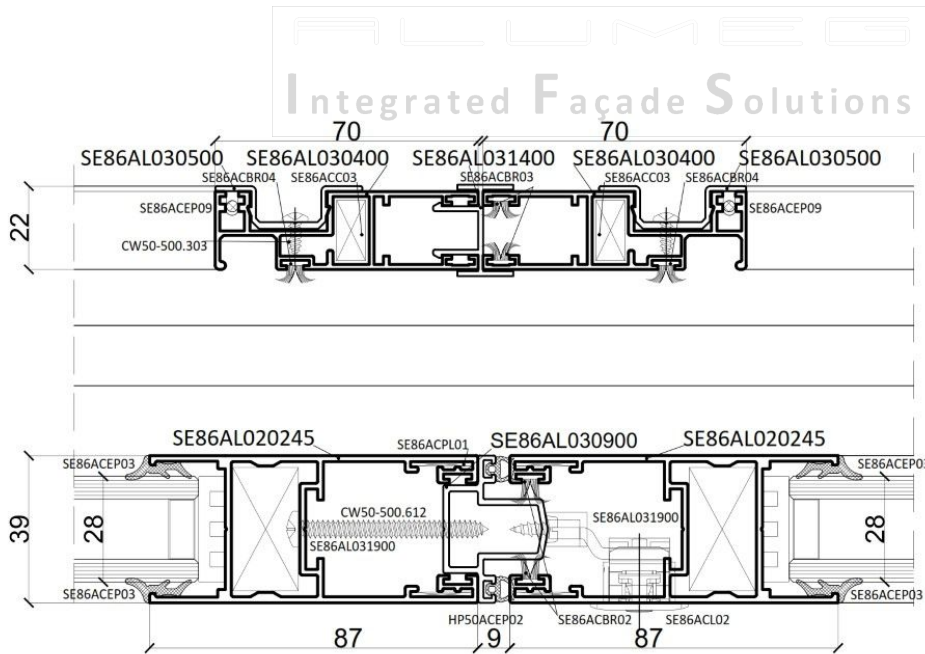
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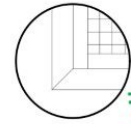
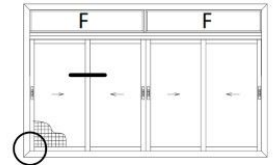
ASSEMBLY DETAILS
Meeting stile detail for single & double glazing
45° sash assembly



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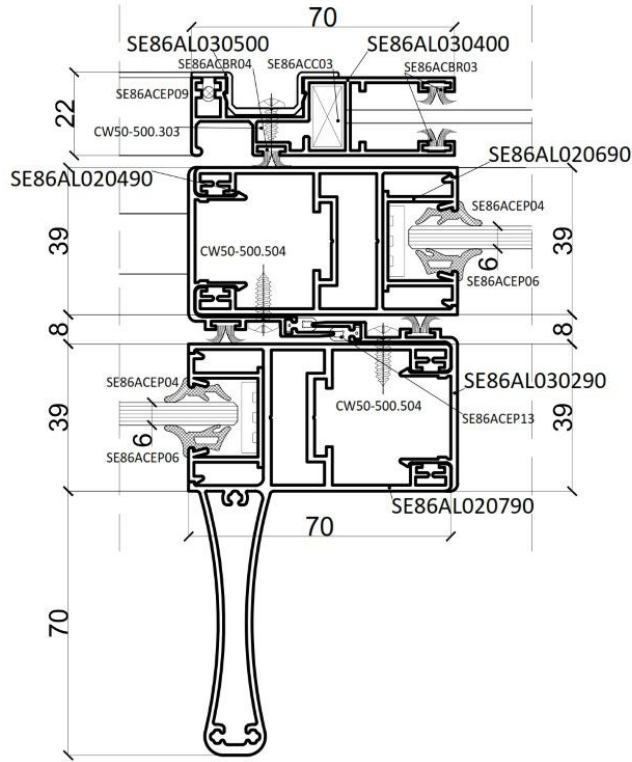


ASSEMBLY DETAILS
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45° sash assembly

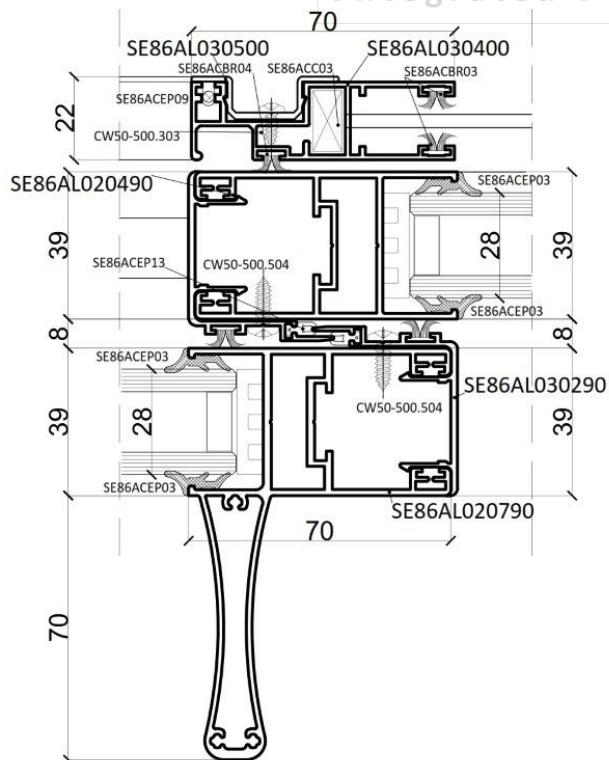


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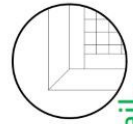
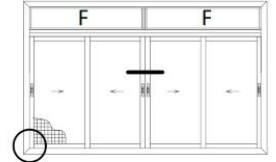
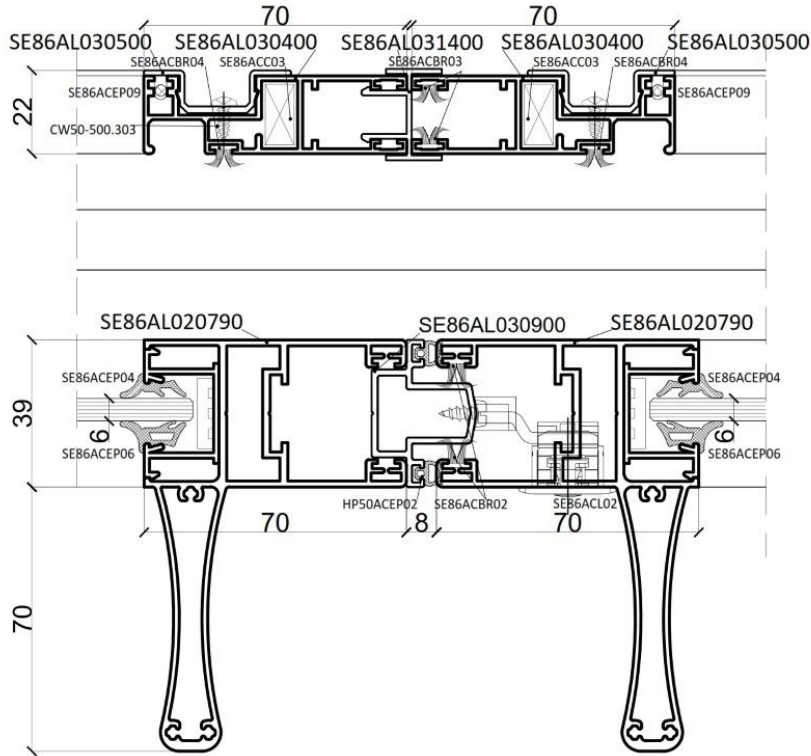
Meeting stile single and double glazed w/reinforcement detail,
90° sash assembly



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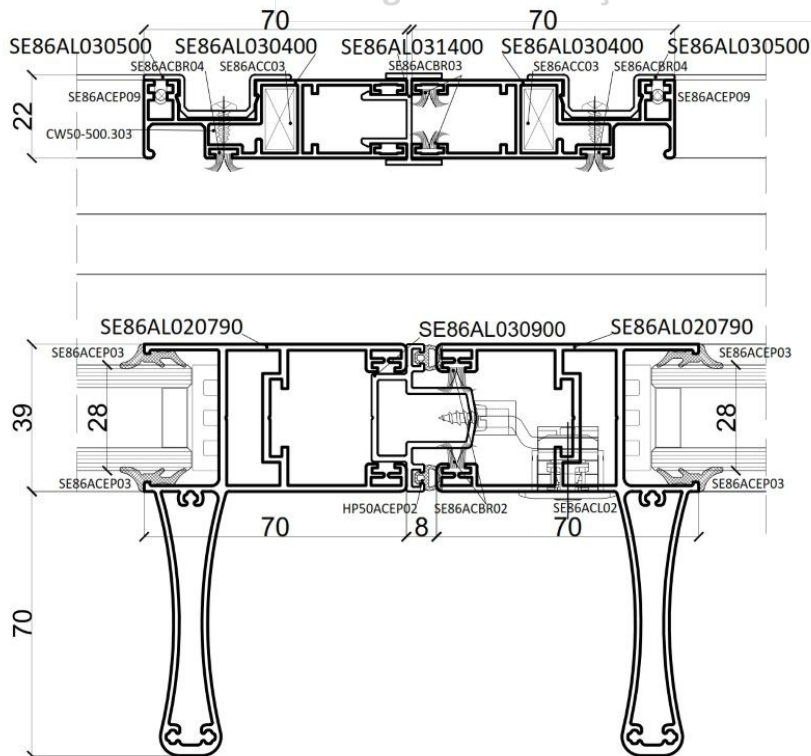


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ASSEMBLY DETAILS
Lock stile single and double glazed w/reinforcement detail,
90° sash assembly

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