

# CP 50

CP 50



**REYNAERS**  
aluminium

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**a**

Algemene informatie

Généralités

General information

Allgemeine Information



	Profilé Profile		Onglet Mitre		Outillage Tool
	 Surface anodisée ou laquée Anodizing or coating surface		# Nombre Number		Outillage et machinerie pour dormant Tools and machinery for draining outer frame
	 Surface à polir Polishing surface		Voir page See page		
	 Longueur Length		Type accessoires Type accessories		Outillage et machinerie pour drainage ouvrant Tools and machinery for draining vent
	 Dimensions Dimensions		Dimensions des vitres Glass sizes		
	 Application Application		Application Utilization		Outillage et machinerie pour jonction-T Tools and machinery for T-brackets
	 Moyens de fixation Fixations		Profilé asymétrique Asymmetrical profile		
	 Fourniture sans vis Delivered without screws				Outillage et machinerie pour fermeture Tools and machinery for closure
	 Ordre de montage The order of assembly				
	 Matière d'étanchéité Sealing agent				Matrice multifonctionnelle Multifunctional punch tool
	 Coller Glue				Matrice guidée Punch tool
	 Colle vulcanisante Vulcanizing glue				Outillage manuel Manual tools
	 Dimension de référence Reference dimension				
	 Marquage Mark				
	 Vitrage extérieur collé Structural sealing glazing				Page Page
	 Côté visible primaire d'un profilé Primary visible side of a profile				Dernière édition Last edition
	 Côté visible secondaire d'un profilé Secondary visible side of a profile				
	 En cas de bicolore (.69) il faut indiquer d'abord la couleur du profilé extérieur (e) For bicolor profiles (.69) first of all one should indicate the colour of the outer profile (e)				Page précédente Previous page



Equerre à sertir  
Crimp corner cleat



Fermeture à 1 point à pêne  
1-Point lock with latch



Crémones  
Window handles



Equerre à visser  
Screw corner cleat



Fermeture à 2 points  
2-Point lock



Divers  
Miscellaneous



Equerre de remplissage  
Corner support



Fermeture à 3 points  
3-Point lock



Galets  
Rollers



Joint  
Gasket



Gâches  
Receivers



Capuchon écoulement d'eau  
Weep hole cover



Joint-brosse  
Brush



Gâche pour serrure électrique  
Electric door opener

**b**

Algemene informatie systemen

Généralités séries

General information systems

Allgemeine Information Systeme



## RECOMMANDATIONS DE MISE EN OEUVRE

### I GENERAL

#### I.1 INTRODUCTION

Les menuiseries Reynaers sont réalisées à l'aide de profilés en aluminium extrudés en alliage ENAW6060T66. Les caractéristiques mécaniques répondent à la norme EN 755 partie 2, avec module d'élasticité 70 kN/mm<sup>2</sup>. Les tolérances sont basées sur EN 12020 partie 2.

Les exigences élevées, auxquelles doivent satisfaire les constructions en aluminium Reynaers, imposent au constructeur le respect de règles minimales de qualité lors du stockage, de la fabrication, du montage et de la pose des éléments.

Il est d'ailleurs important que le constructeur possède une grande compétence professionnelle, non seulement dans la mise en œuvre des matériaux, mais également au niveau de la conception de la construction. Il est par exemple important, lors de la construction, de prêter attention au drainage. Il faut notamment éviter de créer des détails tels que des joints capillaires qui conservent longtemps l'humidité et les poussières. Les exigences principales sont décrites ci-après.

#### I.2 L'ALUMINIUM EN CONTACT AVEC LES AUTRES MATIÈRES

##### I.2.1 Métaux

En principe, il se produit une tension électrique et un effet oxydant sur le métal le plus électronégatif, au moment où deux métaux de nature différente sont mis en contact l'un avec l'autre dans un milieu humide. L'aluminium est électronégatif vis-à-vis des métaux les plus souvent employés.

**L'acier** sans couche protectrice peut rouiller et peut corroder l'aluminium. Afin d'éviter la corrosion sur l'aluminium, une couche isolante doit être appliquée entre les deux métaux (p.ex. zinguer l'acier au moins 35 microns).

Par contre le contact avec **l'acier inoxydable**, p.ex. 18/8, n'a pas posé de problèmes jusqu'à présent. Le contact avec **le cuivre et ses alliages** (le bronze - le laiton) est dangereux. Il est absolument nécessaire d'isoler les deux métaux.

**Le plomb** est beaucoup plus électropositif que l'aluminium; une application isolante est donc nécessaire.

##### I.2.2 Le bois

La plupart des essences bois n'ont pas d'influence sur l'aluminium. Certains pourtant, comme le chêne et le noyer, sécrètent un acide qui peut corroder le métal, particulièrement dans un milieu humide ou si le bois n'est pas sec. Il est nécessaire d'appliquer une isolation, p.ex. de la peinture bitumineuse.

Si le bois reçoit un traitement contre l'humidité ou contre les insectes, il faut vérifier si les substances utilisées ne sont pas nuisibles pour l'aluminium. Des produits qui contiennent par exemple des sels de cuivre, des sels mercuriels ou des dérivés fluorés ne peuvent pas être utilisés.

##### I.2.3 Le plâtre et le ciment

De la poussière de plâtre ou de ciment dans de l'air humide a un effet superficiel sur l'aluminium, qui présente des taches blanches après nettoyage, même sur des surfaces anodisées. Il est recommandé de protéger le métal en appliquant un film plastique. Nous recommandons par exemple Reynaproctect : art. n° 084.9135.--, 084.9136.-- et 084.9137.--.

## I.2.4 Autres matières

En général, des matières plastiques n'ont pas d'influence négative sur l'aluminium. Du mastic courant sur base de chaux et d'huile de lin pour fenêtres ne corrode pas l'aluminium. Des joints ou des joints synthétiques (EPDM) ne forment pas de danger non plus. Ceci s'applique également aux matières synthétiques contenant du chlore, p.ex. le PVC. Celles-ci doivent cependant être d'une très bonne qualité et ne peuvent pas contenir du chlore en état libre. Du silicone et des joints de silicone sont également applicables à condition qu'ils soient libres de chlore et d'acides. La plupart des produits en pâte pour le nettoyage de maçonnerie ne sont pas dangereux.

## I.3 ALLIAGE ET ISOLATION

### I.3.1 Alliage

Les grands avantages de l'aluminium lors de la construction de menuiseries extérieures sont sa rigidité, sa résistance à la corrosion et sa légèreté. Sa densité est de 27 kN/m<sup>3</sup>, ce qui correspond à 1/3 de la densité de l'acier. Le tronçonnage des profilés aluminium se fait à vitesse de sciage élevée, ce qui limite le temps de fabrication.

Les constructions Reynaers sont réalisées à l'aide de profilés d'aluminium extrudés et de tôles d'aluminium laminées. Les indications les plus courantes sont :

Application	Type	Norme Composition	Normes Caractéristiques mécaniques	Normes mesurage
Profilé	EN AW6060 T66	EN 573 parties 3 et 4	EN 755 partie 2	EN 12020 partie 2
Tôle (qualité laquage)	EN AW1050 H24	EN 573 partie 3	EN 485 partie 2	EN 485 partie 4
Tôle (qualité anodisation)	EN AW5005 H14 AQ	EN 573 partie 3	EN 458 partie 2	EN 485 partie 4

### I.3.2 Isolation

Deux types de produits sont mis en œuvre pour réaliser la coupure thermique des profilés en aluminium :

- le polyuréthane

Caractéristiques de la rupture thermique à base de polyuréthane :

- polyuréthane à deux composants;
- résistance à la température: minimum -30°C, maximum 75°C.

Composition des profilés à coupure thermique :

- polyuréthane mis en œuvre sous forme de résine coulée ou de mousse injectée dans une chambre en aluminium du profilé; après polymérisation de la coupure thermique, les liaisons en aluminium entre les parties extérieures et intérieures sont fraisées.

- le polyamide sous forme de doubles barrettes

Caractéristiques des barrettes :

- composition : polyamide renforcé aux fibres de verre (25%) pourvu de cordons de colle en polyéthylène;
- résistance à la température: ≤ 250°C;
- coefficient de dilatation thermique:  $\alpha = 20 \times 10^{-6}$  mm/mK.

Composition des profilés à coupure thermique :

- barrettes destinées à liaisonner les demi-profilés extérieurs et intérieurs; ancrage mécanique des barrettes au moyen du procédé de sertissage, après le cannelage des rainures pour barrettes.

Les deux principes d'isolation sont soumis à des contrôles périodiques par un organisme de contrôle indépendant.

Les produits de rupture thermique sont exempts de CFC.

## I.4 TRAITEMENT DE SURFACE

### I.4.1 Général

Pour des raisons techniques et esthétiques, l'aluminium doit être pourvu d'une couche protectrice. Pour que cette couche de protection conserve de manière optimale son aspect original et sa qualité, un nettoyage régulier doit être assuré. Ce dernier contribue de façon importante à la prolongation de la durée de vie et à la conservation de l'aspect original (voir chapitre 7).

La protection des éléments de façade en aluminium peut se faire par laquage ou anodisation. Dans tous les cas, l'aluminium utilisé doit être composé de l'alliage correct et doit posséder les caractéristiques mécaniques prescrites par les normes (voir chapitre 3).

### I.4.2 Laquage

#### 4.2.1 Généralités

- Le procédé de laquage est réalisé conformément aux prescriptions Qualicoat.
- Les particules de laque en poudre sont appliquées suivant le procédé de laquage électrostatique et sont fixées à une température de 200°C.
- Toutes les parties en contact direct avec l'atmosphère extérieure doivent être protégées par une couche de laque d'une épaisseur moyenne de 60 µm avec une valeur minimale de 48 µm. Il n'y a pas d'exigence en ce qui concerne l'épaisseur maximale de la couche.
- En cas de pose en zone côtière (< 10 km du front de mer), en environnement industriel ou en atmosphère agressive (piscines, laboratoires,...), un procédé de laquage spécifique doit être appliqué après accord préliminaire avec Reynaers.

#### 4.2.2 Contrôle d'aspect

- La couche de laque doit être régulière au niveau de la teinte et de l'éclat et doit offrir une couverture totale.  
Lors de la réception des matériaux, aucune différence gênante au niveau de la teinte ou de l'éclat entre divers éléments ne peut être perceptible.
  - Pour les faces extérieures, une distance d'appréciation de 5 mètres est respectée.
  - Pour les faces intérieures, une distance d'appréciation de 3 mètres est respectée.Sur la surface visible directe, la couche de laque ne peut présenter aucun défaut rendant le métal de base visible.  
Pendant le contrôle de réception effectué perpendiculairement aux surfaces visibles laquées, aucun défaut gênant tel que repris ci-après ne peut être perceptible:
  - surface rugueuse;
  - bulles;
  - effet peau d'orange;
  - inclusions;
  - cratères;
  - taches;
  - trous;
  - rayures.
- Sur les surfaces visibles indirectes, la laque doit être appliquée de telle façon que le matériau de base ne soit plus visible.

### I.4.3 Anodisation

#### 4.3.1 Généralités

- Par anodisation on entend l'application électrochimique d'une couche d'oxyde, spécifique pour l'aluminium, conformément aux exigences formulées par EWAA-EURAS dans les prescriptions Qualanod. Cette couche protège l'aluminium contre la corrosion. Afin d'augmenter la valeur esthétique de la couche d'anodisation, la possibilité existe de réaliser une anodisation colorée. Un aspect différent peut en outre être obtenu au moyen d'un prétraitement tel que le brossage.
- Une concertation entre le client et le fournisseur sur le choix de la teinte d'anodisation est recommandée et il est conseillé de faire fabriquer des échantillons si l'anodisation doit correspondre à des éléments existants.

- L'épaisseur de la couche d'anodisation doit, pour des éléments de façade exposés à l'atmosphère extérieure, satisfaire à la prescription Qualanod classe 20. Ceci implique que l'épaisseur de couche moyenne doit être au moins de 20 micromètres.
- En cas de pose en zone côtière (< 10 km du front de mer), en environnement industriel ou en atmosphère agressive (piscines, laboratoires,...), une anodisation d'une épaisseur de 25 microns doit être prévue.

#### 4.3.2 Contrôle d'aspect

- Une qualité d'aluminium pour l'anodisation est requise pour le procédé d'anodisation, de manière à éviter la présence de défauts tels que des différences de teinte et des taches gênantes. L'évaluation de l'aspect doit avoir lieu à la lumière du jour, perpendiculaire à la surface, à une distance de 3 mètres pour les faces intérieures et de 5 mètres pour les faces extérieures.
- Lors de l'anodisation de profilés et de tôles, des différences de teinte sont toujours possibles. Le contrôle sur la teinte se fait suivant des échantillons de teinte ou de limite, convenus entre le client et le fournisseur. La teinte est évaluée visuellement et s'applique au lot entier.

## I.5 STOCKAGE

### I.5.1 Profilés

Les profilés d'aluminium sont sensibles aux endommagements. Grâce à la formation spontanée de sa couche d'oxydation protectrice, l'aluminium est à juste titre considéré comme un matériau non corrosif par nature. Il est cependant sujet à la corrosion accidentelle.

Afin d'éviter tout endommagement, les précautions suivantes doivent être prises :

1. Stockez les profilés dans un local sec et libre de condensation.
2. Evitez tout contact avec l'acier en protégeant l'aluminium par du bois ou une matière synthétique.
3. Stockez les profilés horizontalement de façon accessible, permettant de sortir les barres sans jamais les tirer, et supportez-les suffisamment en longueur afin d'éviter leur déformation lors du stockage.
4. Stockez les profilés toujours sous emballage (tel que le papier chimiquement neutre, le carton ou le plastique).
5. Qu'il s'agisse de profilés bruts, anodisés ou laqués, ils doivent tous être manipulés avec le même soin et la même prudence.
6. Stockez si possible par sorte de profilés.
7. Enlevez l'emballage juste avant l'utilisation.
8. Utilisez toujours un support propre lors de la fabrication

### I.5.2 Eléments en aluminium achevés

Les éléments doivent être empilés séparément avec beaucoup de soin, et éventuellement emballés. Des protections d'angle préfabriquées (matière synthétique) peuvent par exemple être utilisées.

## I.6 TRANSPORT

La menuiserie aluminium doit être solidement emballée. Reynaers offre à cette fin la bande adhésive de protection REYNAPROTECT, qui est disponible en 3 largeurs différentes:

50 mm: art. n° 084.9135.--

80 mm: art. n° 084.9136.--

150 mm: art. n° 084.9137.--.

Des protections d'angle préfabriquées (matière synthétique) peuvent en outre être utilisées.

Le transport se fait de préférence avec un camion à suspension pneumatique et la menuiserie doit être empilée et protégée d'une telle façon que des endommagements et de la pollution soient évités.

Sur le chantier, la bande de protection peut protéger l'aluminium pendant la réalisation des autres travaux du gros œuvre (p.ex. contre le ciment, le plâtre ou la peinture).

La bande doit être enlevée après une période maximale de 6 mois.

## I.7 PRESCRIPTIONS D'ENTRETIEN

### I.7.1 Afin de conserver l'aspect esthétique

Fréquence minimale de nettoyage :

En zone rurale et à condition que les constructions aluminium soient exposées à la pluie: 2 fois par an.  
Dans tous les autres cas : 4 fois par an.

Pour le nettoyage on doit utiliser de l'eau tiède additionnée d'un détergent non-agressif (pH neutre), non-acide et sans ammoniac, par exemple Reynawash (art. n° 086.9185.--). Un traitement annuel avec Reynaclean (art. n° 086.9201.--) dépose un film protecteur sur les profilés, grâce auquel la couleur et l'éclat sont conservés. Dans certains cas exceptionnels, comme des griffes ou un encrassement, on peut appliquer le Heavy Duty Cleaner (art. n° 086.9179.--), suivi de Reynaclean. Pour l'aluminium anodisé, l'Eloxal-Reiniger (art. n° 086.9392.--) peut être appliqué, par exemple en cas de taches et d'encrassement, également suivi de Reynaclean.

### I.7.2 Afin de garantir le bon fonctionnement

Nettoyer tous les 6 mois la chambre de décompression du châssis entre la partie mobile et la partie fixe et, si nécessaire, dégager l'ouverture pour le drainage d'eau. Nettoyer prudemment les galets du châssis coulissant et, si nécessaire, dégager les ouvertures pour le drainage d'eau. Légèrement enduire les raccords résistants à l'eau en EPDM, entre la partie mobile et la partie fixe du châssis, de talc ou de silicone liquide (à l'aide d'un chiffon).

Dépoussiérer et graisser annuellement :

- les lamelles des raccords d'angle;
- les axes du bras d'ancrage;
- les parties des crémones.

Dépoussiérer et graphiter annuellement :

- les serrures et les cylindres (pipette graphite en forme de poudre);
- le limiteur d'ouverture du châssis coulissant.

N.B. Ces pièces ne peuvent jamais être graissées ou huilées.

## II RECOMMANDATIONS DE MISE EN OEUVRE CP 50

### II.1 RECOMMANDATIONS DE FABRICATION

Afin de garantir un produit final parfait, certaines règles doivent être suivies pendant la fabrication.

#### II.1.1 Opérations d'usinage

Par opérations d'usinage on entend: toutes les opérations mécaniques comme le tronçonnage, le fraisage, le forage, le poinçonnage et la découpe. Il est essentiel que la couche de laque des profils laqués ne se détache pas sur les bords pendant ces opérations.

Il est donc très important pour la qualité des assemblages que:

- Les outils d'usinage soient adaptés et suffisamment aiguisés;
- Les machines soient bien réglées (p.ex. régime);
- Un contrôle régulier des outils ait lieu;
- Les outils d'usinage soient correctement et suffisamment graissés:  
bâton lubrifiant Reynalube (art. n°. 086.9191.--) pour lames de scie.  
huile de coupe (art. n°. 086.9175.--) pour outils de poinçonnage.  
ou les réfrigérants et lubrifiants prescrits par les fournisseurs des machines.
- Les mors de serrage adaptés soient utilisés (voir détails de fabrication « blocs de serrage »);
- La table d'amenée ou d'évacuation soit exempte de copeaux et de souillures;
- Le refroidissement éventuel se fasse à l'aide de produits chimiquement neutres qui ne corrodent pas le traitement de surface.

**Position / serrage des profiles pendant le tronçonnage:**

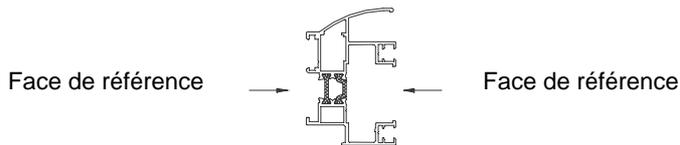
La position des profiles sur la table de sciage pendant le tronçonnage est très importante et est la base pour obtenir des onglets parfaits après montage des éléments coulissants.

La pression principale doit toujours être exercée sur la "face de référence" des profiles.

La "face de référence" doit être positionnée parfaitement horizontalement ou verticalement sur la table de sciage.

Les mors de serrage doivent éventuellement être utilisés:

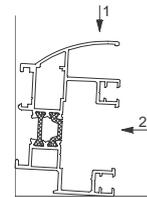
- Pour éviter que les tolérances sur les profiles influencent la qualité de l'onglet;
- Pour éviter que les profiles ne basculent sur la table.

**MAUVAIS TRONÇONNAGE**

DEFAUT: Le vérin principal presse sur la surface visible du profile à tronçonner entraînant son décalage.

CONSEQUENCES: Coupe d'onglet en biais, côtés extérieurs raccourcis par rapport aux côtés intérieurs.

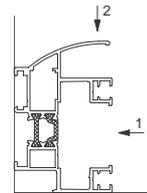
RESULTAT: Après sertissage, l'assemblage sur la face intérieure est correct, tandis qu'à l'extérieur l'onglet s'est ouvert.

**TRONÇONNAGE CORRECT**

Le vérin principal exerce sa pression sur la face de la feuillure.

La surface visible ne subit que la pression réduite du vérin secondaire.

Le profilé n'a pas tendance à se décaler ou à se déformer pendant la coupe et le sertissage des profilés sciés à onglet peut s'effectuer sans problème.



Remarque :

Il est recommandé d'aspirer les copeaux pendant le tronçonnage.

**II.1.2 Assemblage**

Nous faisons la subdivision suivante :

- raccords d'angle
- assemblages T
- drainage et découpes pour les accessoires;
- joints.

**II.1.2.1 Raccords d'angle**

Etapes :

- Tronçonnage, poinçonnage ou forage correct.
- Protection des coupes par :
  - ébavurage (si nécessaire);
  - enlèvement des poussières et des copeaux de sciage sur la coupe et dans la chambre du profilé;
  - dégraissage (Degreaser art. nr. 086.9181.--);
  - application de produit anti-corrosion (Anticorro art. nr. 086.9609.--); temps de séchage: environ 1 heure.
- Etanchement: appliquer sur les coupes de la matière d'étanchéité neutre et élastique.
- Encollage: appliquer une colle d'étanchéité approuvée (colle bicomposants Körapur art. nr. 084.9069.--):
  - dans la chambre de profilé;
  - à l'endroit où viendra la cale de feuillure.
- Assemblage:
  - Dormant : les équerres peuvent être introduites et ensuite le raccord d'angle mécanique est réalisé, soit en sertissant, soit en vissant.
  - Ouvrant : les ouvrants sont coupés droits et le raccord d'angle est réalisé au moyen d'une vis.
- Sur les éléments composés, les résidus de colle ne doivent être enlevés que des surfaces visibles, et ceci uniquement à l'aide d'un produit non-agressif (Reynaclean art. nr. 086.9201.--).

### II.1.2.2 Assemblages T

Etapes:

- a. Tronçonnage, fraisage, poinçonnage ou forage correct.
- b. Protection des coupes par :
  - ébavurage (si nécessaire);
  - enlèvement des poussières et des copeaux de sciage sur la coupe et dans la chambre du profilé;
  - dégraissage (Degreaser art. nr. 086.9181.--);
  - application de produit anti-corrosion (Anticorro art. nr. 086.9609.--); temps de séchage: environ 1 heure.
- c. Etanchement : appliquer de la matière d'étanchéité neutre :
  - sur les coupes;
  - sur les trous de fixation.

Remarque : La zone sous les profilés T ne peut pas être rendue complètement étanche afin d'obtenir un drainage contrôlé de l'ouvrant (voir page 37.f.040-049).

- d. Assemblage : le profilé T est introduit et vissé.
- e. Sur les éléments composés, les résidus de matière d'étanchéité ne doivent être enlevés que des surfaces visibles, et ceci uniquement à l'aide d'un produit non-agressif (Reynaclean art. nr.086.9201.--)

### II.1.2.3 Drainage, aération et découpes pour les accessoires

Etapes:

- a. Poinçonnage, forage ou fraisage correct.
- b. Protection des surfaces traitées par :
  - ébavurage (si nécessaire);
  - enlèvement des poussières et des copeaux;
  - dégraissage (Degreaser art. nr. 086.9181.--);
  - application de produit anti-corrosion (Anticorro art. nr. 086.9609.--); temps de séchage: environ 1 heure.

Lors du drainage / aération, il faut prêter attention aux points suivants :

- Les éléments coulissants, quel que soit leur type, doivent obligatoirement être drainées au niveau des traverses basses et intermédiaires. Ce drainage doit être conçu pour évacuer les eaux d'infiltration éventuelles vers l'extérieur et maintenir la chambre de décompression à la pression atmosphérique.
- Pour chaque élément coulissant, des ouvertures de drainage sont prévues à une distance maximale de l'angle de 250 mm pour l'ouvrant et de 100 mm pour le dormant. La distance maximale entre 2 ouvertures de drainage est de 800 mm.
- Pour l'ouvrant, la surface minimale de ces ouvertures est de 50 mm<sup>2</sup> par ouverture, soit sous forme d'une ouverture ronde avec un diamètre minimal de 8 mm, soit sous forme d'une ouverture ovale de 5 mm x 15 mm au minimum. Pour le dormant, la surface minimale est de 150 mm<sup>2</sup> par ouverture, soit sous forme de 3 ouvertures rondes avec un diamètre minimal de 8 mm, soit sous forme d'ouverture ovale de 8 mm x 34 mm au minimum.
- Sur le haut du côté de l'ouvrant, on fore toujours au moins 1 ouverture de 5 mm de diamètre au minimum. Sa fonction est de garantir l'égalisation de pression autour du vitrage.
- Il faut toujours drainer au niveau du point le plus bas de la feuillure de vitrage.

Remarque: Pour des drainages spécifiques, nous nous référons à la page 37.f.073-075.

### II.1.2.4 Joints

Tous les joints sont en EPDM résistant aux intempéries et au vieillissement. Leur montage doit se faire soigneusement, puisque l'étanchéité de l'élément coulissant en dépend.

#### a. Application des joints de vitrage / joints.

Etapes:

1. Découpe correcte: la découpe du joint de vitrage doit se faire avec des ciseaux spéciaux (art. n°. 090.0121.00) et le joint peut être coupé à onglet ou droit en fonction du type de jonction entre les profilés. Une longueur supplémentaire (environ 10 mm par mètre) doit être prévue.
2. Application du joint: les joints sont appliqués dans les rainures des profils prévues à cet effet; la longueur supplémentaire est légèrement refoulée pour neutraliser la dilatation ou le rétrécissement. Les difficultés de mise en place peuvent être résolues à l'aide d'un aérosol silicone (art. n°. 086.9551.--).

- Encollage (étanchéement): dans les angles, le joint de vitrage doit être encollé avec de la colle de vulcanisation (Unizionement art. n°. 084.9103.--). Cette colle permet à la jonction de rester élastique et de garantir parfaitement le rôle du joint même dans les angles.

#### b. Application des brosses.

Étapes:

- Découpe correcte: la découpe de la brosse doit se faire avec des ciseaux spéciaux (art. n° 090.0121.00) et le joint peut être coupé à onglet ou droit en fonction du type de jonction entre les profilés.
- Application de la brosse: les brosses sont appliqués dans les rainures des profiles prévues à cet effet.
- Encollage: En fonction du type de jonction entre les profiles (droit), la brosse doit être encollée aux extrémités avec de la colle rapide (Reynaglué art. n°. 084.9105.--). Cet encollage est nécessaire pour éviter le glissement de la brosse.

#### c. Application d'une fermeture en bas et en haut de la chicane.

Afin d'obtenir une bonne étanchéité à l'eau et au vent, une fermeture supplémentaire doit être montée en bas et en haut de la chicane:

-art. nr 062.7114.04

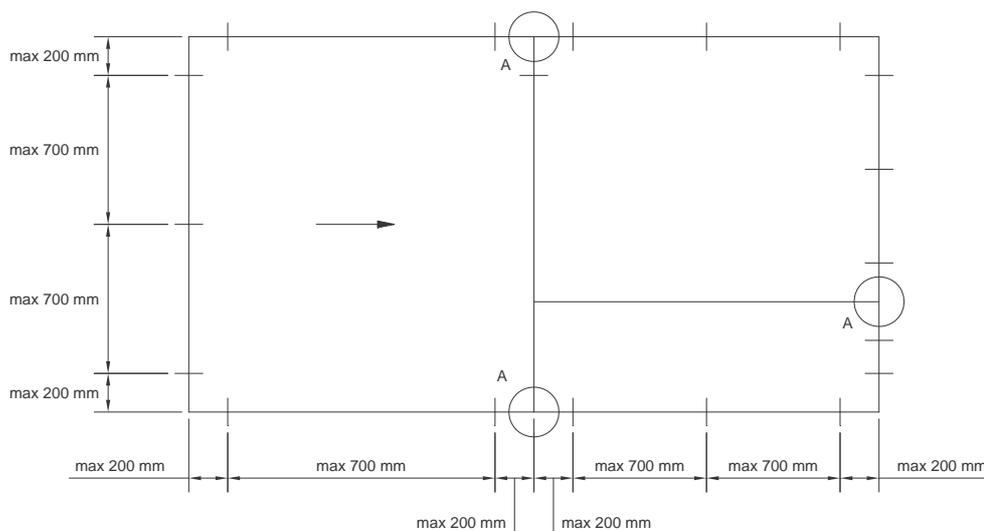
La fermeture en haut doit être appliquée après le montage des ouvrants.

## II.2 RECOMMANDATIONS DE MONTAGE

### II.2.1 Montage dans le gros oeuvre

La fixation au gros œuvre se fait soit directement à travers les profiles avec par exemple des vis et des chevilles, soit à l'aide d'ancrages de fixation.

- Les fixations ne peuvent pas être appliquées à une distance inférieure à 40 mm du mur du gros œuvre.
- L'ancrage ne peut surtout pas influencer la force portante des éléments de construction contigus.
- Tous les ancrages, pour autant qu'ils ne soient pas en aluminium ou en acier inoxydable, doivent être efficacement protégés contre la corrosion et ne peuvent pas corroder l'aluminium.
- Lors de la pose des éléments coulissants, on prévoit des fixations en suffisance :



De tous les côtés il doit y avoir au moins 2 fixations avec une distance maximale jusqu'à l'angle de 200 mm.

- La distance entre les fixations est de 700 mm au maximum.
- A l'endroit où des profils T et des profils dormants se rencontrent, l'ancrage doit être appliqué à une distance maximale de 200 mm des deux côtés de profile T (A). De cette façon, une dilatation ou un rétrécissement du profile T (dus aux fluctuations de température) sont possibles sans dégâts.
- Il est conseillé de positionner les fixations à la hauteur de chaque point de fermeture.

Remarque: Les ancrages doivent être appliqués d'une telle façon qu'ils peuvent neutraliser des dilatations / rétrécissements éventuels de l'élément coulissant.

Si des vis et des chevilles sont utilisées à travers les profils, les chambres dans le dormant inférieur ne peuvent pas être percées afin d'éviter de l'infiltration d'eau à la hauteur de cette fixation.

## II.2 Montage des accessoires

Le choix des points de fixation, du nombre de points de fermeture, du poids max. D'ouvrant, des dimensions max. d'ouvrant, du profile ouvrant appliqué, etc. doit se faire suivant les introductions du fournisseur des systèmes et du fabricant des accessoires.

Les parties coulissantes et mobiles doivent être pourvues de graisse neutre.

Lors du montage, il faut contrôler si les accessoires peuvent être actionnés de façon souple et sans bloquer.

## II.3 VITRAGE

Tous nos systèmes sont conçus pour vitrer à l'aide de joints d'EPDM ou de silicone neutre. En cas d'utilisation d'un joint en silicone, l'usage d'un fond de joint constitué d'un joint-mousse compressible autocollant est recommandé pour maintenir un espace libre suffisant entre le verre et l'aluminium. Nous vous recommandons d'utiliser notre système de joints de vitrage pour des raisons de facilité et fiabilité de mise en œuvre, de bonne tenue dans le temps et de simplicité dans le remplacement de volumes verriers.

Le vitrage devra se faire en respectant les points suivants:

- Le joint doit être refoulé pour éviter qu'apparaissent, dans le temps, des ouvertures dans les angles dues au rétrécissement de ce joint.
- Des ouvertures de drainage doivent être forées afin d'éviter toute stagnation d'eau. Ceci est également nécessaire en cas de vitrage en silicone (voir schémas de drainage).
- Pour la pose des vitrages, le jeu entre vitrage et fond de feuillure doit être de 12 mm (6mm par côté) au minimum.

Fixation du vitrage.

Aucun volume verrier ne peut être directement en contact avec l'aluminium. La pose de cales de vitrage et d'un joint est indispensable.

Le but du calage du verre est non seulement d'éviter ce contact, mais également d'obtenir une bonne pose dans l'élément coulissant et de transmettre de façon correcte le poids du verre même sur les galets afin de prévenir une déformation éventuelle de l'ouvrant.

Nous distinguons 3 types de cales de vitrage :

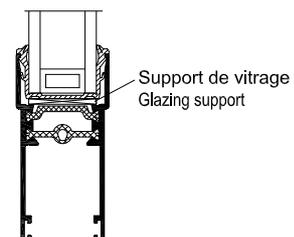
cale de support	
cale d'ajustement	
cale de solidarisation	

### C1 : Cales de support

Ces cales transmettent le poids du verre sur l'ouvrant ou sur l'allège, et leur bonne pose est d'une importance capitale pour le fonctionnement des éléments coulissants.

### C2 : Cales d'ajustement

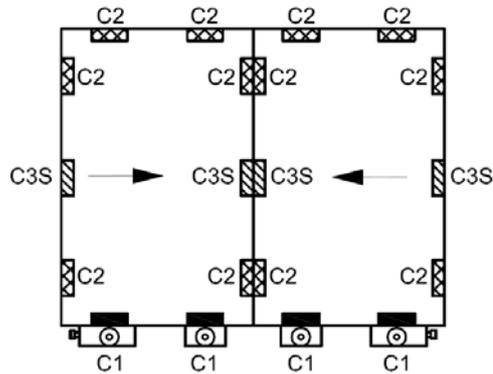
Ces cales assurent le positionnement du verre par rapport à la feuillure, et sont appliqués sans forcer. Elles empêchent tout mouvement du verre dans son logement.



**C3S : Cales de solidarisation**

Ces cales sont destinées à limiter les effets de sollicitations. Intéressant la menuiserie, notamment dans son plan lors des manutentions et fonctionnement. Elles permettent également le contact des profilés avec le chant des vitrages. Elles sont placées à mi-distance de la portée susceptible de se déformer.

Les schémas suivants indiquent la pose des différentes cales de vitrage dans les différents types d'éléments coulissants.



Le poids de vitrage des ouvrants coulissants doit être transmis sur les galets. Les cales de support (C1) doivent donc être montées en bas à la hauteur des galets.

Le poids de vitrage des ouvrants fixes doit être transmis sur la pièce de support de l'ouvrant fixe. Les cales de support (C1) doivent donc être montées à la hauteur de la pièce de support.

## PROCESSING DATA

### I GENERAL

#### I.1 INTRODUCTION

The Reynaers constructions are realized with aluminium profiles extruded in the EN-AW6060 T66 alloy. The mechanical characteristics conform to the standard EN 755 part 2, with modulus of elasticity 70 kN/mm<sup>2</sup>. The tolerances are based on EN 12020 part 2.

Because of the high demands made upon the Reynaers aluminium constructions, it is necessary that the fabricator respects the minimum quality requirements when storing, fabricating, assembling and fitting elements. It is also important that the fabricator is highly skilled, not only in the processing of the materials used, but also regarding the concept. It is for instance important that during the construction sufficient attention is paid to the drainage. Furthermore there should not be any details which are subjected to moisture and dirt for an extended period, such as capillary joints. In the following notes the main requirements are described..

#### I.2 ALUMINIUM IN CONTACT WITH OTHER MATERIALS

##### I.2.1 Metals

When two metals of differing electro-negativity values come into contact in humid conditions, an electrical tension and oxidizing influence are experienced by the more electro-negative metal. Aluminium is electro-negative compared to most metals.

Unprotected **steel** rusts and attacks aluminium. In order to avoid corrosion on aluminium, an insulating barrier should be placed between both metals (e.g. zincplate the steel min. 35 microns).

Contact with **stainless steel** on the other hand (e.g. 18/8) has not been found to be harmful to aluminium to date.

Contact with **copper or its alloys** (bronze-brass) is harmful. It is absolutely essential to insulate the two metals.

**Lead** is considerably more electropositive than aluminium, and therefore insulation is necessary.

##### I.2.2 Timber

Most timbers have no harmful effects on aluminium. Some such as oak and walnut however, produce acids which attack and damage aluminium – especially in humid conditions or when the timber itself is not dry. Insulation is required here, e.g. using a bituminous paint.

When you treat the timber against humidity or against insects, you should ensure that the substances used are not harmful to aluminium. Products containing for example copper salts, mercury salts or fluoride compounds may not be applied.

##### I.2.3 Lime / Cement

In humid conditions, lime or cement reacts with aluminium (even when anodized) revealing superficial white spots on the surface of the metal after cleaning. It is advisable to protect the metal by means of a tape. We recommend for example Reynaprotect art.no. 084.9135.--, 084.9136.-- and 084.9137.--.

## I.2.4 Other materials

In general, plastics do not have a negative influence on aluminium. Putty, on a basis of lime and linseed oil, for windows causes no danger to aluminium. Neither do gaskets or synthetic gaskets (EPDM). The same applies to synthetic materials containing chlorine, e.g. PVC. These should however be of very good quality and the chlorine should not be allowed to come into contact with the aluminium. Silicone and silicone gaskets are also applicable on the condition that they do not contain chlorine or acid. Most pointing pastes for brickwork are not dangerous.

## I.3 ALLOY AND INSULATION

### I.3.1 Alloy

The great advantage of the use of aluminium for outside constructions is that it is a stable, corrosionresistant and yet light material. Its density is 27 kN/m<sup>2</sup>, approximately 1/3 of the density of steel. It can be processed at high cutting speeds, which reduces the fabrication time.

The Reynaers constructions are fabricated using extruded aluminium profiles and rolled aluminium sheets. The most current indications are:

Application	Type	Standard Composition	Standard Mechanical properties	Standard Size (tolerances)
Profile	EN AW6060 T66	EN 573 Part 3 and 4	EN 755 Part 2	EN 12020 Part 2
Plate (paint quality)	EN AW1050 H24	EN 573 Part 3	EN 485 Part 2	EN 485 Part 4
Plate (anodization quality)	EN AW5005 H14 AQ	EN 573 Part 3	EN 458 Part 2	EN 485 Part 4

### I.3.2 Insulation

Two types of products can be used for the thermal break of the aluminium profiles:

#### - polyurethane

Properties of the thermal break with polyurethane:

- two component polyurethane;
- temperature resistance: minimum -30°C, maximum 75°C.

Composition of the thermally broken profiles:

- an aluminium chamber of the profile is filled with the polyurethane (PUR) or injected with foam; after polymerisation of the thermal break, the aluminium connections are removed in a milling operation.

#### - double polyamide strips

Properties of the strips:

- composition: glass fibre-reinforced (25%) polyamide fitted with polyethylene adhesive inserts;
- temperature resistance: ≤ 250°C;
- coefficient of thermal expansion:  $\alpha = 20 \times 10^{-6}$  mm/mK.

Composition of the thermally broken profiles:

- strips which make the connection between the inner and outer profile halves; mechanical anchoring of the strips by means of the rolling process, after knurling of the strip grooves.

The two insulation principles are subjected to periodical controls by an independent organisation.

The insulators are CFC-free.

## I.4 SURFACE TREATMENT

### I.4.1 General

For technical and aesthetic reasons a protective coating can be applied to aluminium. To preserve the original look and the quality of this coating as well as possible it is necessary to remove adhering dirt. It is clear that periodical cleaning considerably contributes to a long service life of the aluminium constructions and to the preservation of their original look (see chapter 7).

The protection of aluminium elements can be achieved by painting or anodizing. In all cases the aluminium used should be composed of the correct alloy and possess the mechanical properties as prescribed (see chapter 3).

### I.4.2 Painting

#### 4.2.1 General

- The painting process is carried out in accordance with the Qualicoat regulations.
- The powder particles are applied according to the electrostatic powder coating process and baked at 200°C.
- All parts in direct contact with the outside atmosphere should be protected by a paint coating with an average thickness of 60 micrometres. The minimum value should be 48 micrometres. There are no requirements as to maximum thickness.
- In case of painted constructions fitted near the coast (< 10 km), in an industrial area or in a very aggressive atmosphere (e.g. swimming pools, laboratories,...), a specific painting process should be applied after prior agreement with Reynaers.

#### 4.2.2 Control look

- The paint coating should be even with regard to colour and gloss and should cover well. When the lot is checked no disturbing differences in colour and gloss between the separate elements may be noticeable.
  - For outside applications an assessment distance of 5 metres is applied.
  - For inside applications an assessment distance of 3 metres is applied.
- The paint coating may not show any damage on the direct visible side due to which the base metal becomes visible. When looking at the painted visible sides, perpendicular to the surface, no disturbing defects may be visible during the entry control, such as:
  - rough surface;
  - bubbles;
  - orange effect;
  - inclusions;
  - craters;
  - dull spots;
  - holes;
  - scratches.
- On indirect visible surfaces the paint should be applied in such a way that the base material is no longer visible.

### I.4.3 Anodizing

#### 4.3.1 General

- By anodizing is meant: the electrochemical application of an oxide coating, specifically for aluminium, in accordance with the requirements as formulated by EWAA-EURAS in the Qualanod regulations. This coating protects the aluminium against corrosion. It can be obtained in different colours which enhances its aesthetic value. Apart from this a different look can be achieved by means of a preliminary treatment, e.g. brushing.
- Consultation between customer and supplier regarding the choice of finishing and colour is strongly advisable. We also recommend having test samples made of both profiles and sheets to be used.
- The coating thickness of the anodization should meet class 20 of Qualanod for elements exposed to the outside atmosphere. This means that the average coating thickness should be at least 20 micrometres.

- In case of anodized constructions fitted near the coast (< 10 km), in an industrial area or in a very aggressive atmosphere (e.g. swimming pools, laboratories,...), an average coating thickness of 25 micrometres should be applied.

#### 4.3.2 Control look

- For anodizing purposes the base material should be aluminium in an anodizing quality, this to avoid the occurrence of defects during the anodizing process, such as disturbing colour differences and spots.

The look should be evaluated by daylight, perpendicular to the surface, at a distance of 3 metres for inside elements and 5 metres for outside elements.

- Colour differences are always possible on anodized profiles and sheets. The control of the colour is done according to colour samples or limit samples agreed upon between customer and supplier. The colour is visually evaluated and applies to the whole batch.

## I.5 STORAGE

### I.5.1 Profiles

Aluminium profiles are very sensitive to damage. Because of the spontaneous formation of a protective oxidation layer, aluminium is rightly considered as a non-corrosive material by nature. Aluminium is however subject to incidental corrosion.

In order to avoid damage, following precautionary measures should be taken:

1. Store the profiles in a dry room free of condensation.
2. Avoid all contact with steel by protecting with wood or plastic.
3. Store the profiles horizontally in such a way as to eliminate the possibility of damaging or scratching a profile while removing it and ensure that they are sufficiently supported lengthwise to avoid deformation during storage.
4. Always store the profiles in packed form (for instance in chemically neutral paper, cardboard or plastic foil).
5. Mill finish, anodized and painted profiles should be handled with the same care.
6. Store if possible per type/size.
7. Remove the packing just before use.
8. Always use a clean table during the processing.

### I.5.2 Finished aluminium constructions

Elements should be piled separately and with care and if possible be packed. Prefabricated (synthetic) corner protections can for instance be used.

## I.6 TRANSPORT

The aluminium constructions should be properly packed. Reynaers offer for this purpose the special protective foil REYNAPROTECT which is available in 3 different widths:

50 mm: art.no. 084.9135.--

80 mm: art.no. 084.9136.--

150 mm: art.no. 084.9137.--

Also prefabricated corner protections (synthetic material) can be used.

The constructions are preferably transported by a lorry with air suspension and are stacked and protected in such a way that damage and soiling are avoided.

At the building site the protective foil can protect the aluminium when further structural work is done on the building (e.g. against cement, lime or paint).

The tape can only remain applied for 6 months maximum.

## I.7 MAINTENANCE REGULATIONS

### I.7.1 To preserve the aesthetic look

Minimum cleaning frequency:

In rural atmospheres and provided that the aluminium constructions are exposed to the rain: twice a year. In all other cases: 4 times a year.

The aluminium should be cleaned with tepid water with a non-aggressive (pH-neutral), non-acetous detergent, not containing ammonia. We recommend Reynawash (art.no. 086.9185.--). An annual treatment with Reynaclean (art.no. 086.9201.--) puts a protective film on the profiles, thanks to which colour and gloss are better preserved. In certain exceptional cases, such as scratches or pollution, the Heavy Duty Cleaner (art.no. 086.9179.--) can be applied, followed by Reynaclean. Specifically for anodized aluminium, the Eloxal Cleaner (art.no. 086.9392.--) can be applied, for example in case of stains and pollution, also followed by Reynaclean.

### I.7.2 To guarantee good function of mechanical parts

Clean the chamber between the moving and the fixed part every 6 months and, if necessary, clear the drainage slots of any blockages. Carefully clean the rollers of sliding elements and, if necessary, clear the drainage slots of any blockages.

Minimally apply normal domestic talc to the gaskets (in EPDM) between the moving and the fixed part of the construction, or apply liquid silicone (by means of a cloth), to avoid cracks and deposits.

Remove the dust, and grease, annually from the following areas:

- window gearing;
- friction hinges;
- the moving parts of the handles.

Remove the dust, and graphite, annually from the following areas:

- a) locks and cylinders, using a graphite pipette in powder form;
- b) the opening restrictor of the sliding construction.

N.B. These pieces may not be greased or oiled.

## II PROCESSING DATA CP 50

### II.1 FABRICATING PRESCRIPTIONS

In order to guarantee a perfect end product, the following guidelines should be adhered to during the production process.

#### II.1.1 Metal-removing operations

Metal-removing operations are understood to mean all mechanical operations such as sawing, milling, drilling, punching and cutting. For painted profiles it is essential that the paint coatings do not come off on the edges during these operations. Therefore it is very important for the quality of the connections that:

- the metal-removing tools are appropriate and sufficiently sharp;
- the machines are well adjusted (e.g. number of revolutions);
- the tools are regularly checked;
- the metal-removing tools are greased sufficiently and correctly: Reynalube cutting grease block (art.nr. 086.9190.--) for saw blades, cutting spray (art.nr. 086.9175.--) for punch tools or the cooling agents and lubricants prescribed by the machine suppliers;
- the appropriate clamp blocks are used;
- the cutting table is free of swarf and dust;
- possible cooling is done by means of chemically neutral products which do not attack the surface treatment.

#### Position/clamping of the profiles during cutting:

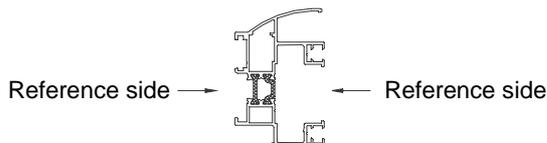
The position of the profiles on the sawing table during cutting is very important and is the basis to get perfect mitres after assembly of the sliding elements.

The biggest clamping pressure should always be on the "reference side" of the profiles.

The "reference side" has to be put perfectly horizontally or vertically on the sawing table.

The clamp blocks should possibly be used:

- a. to ensure that tolerances on the profiles do not influence the quality of the mitre;
- b. to ensure that the profiles do not twist on the table.

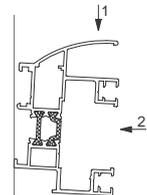


#### INCORRECT CLAMPING

**FAULT:** The clamping pressure is on the upper side of the profile, allowing it to twist during cutting.

**CONSEQUENCE:** An oblique saw cut resulting in the out-side of the profile being shorter than the inside.

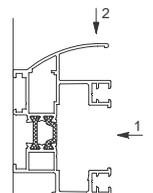
**RESULT:** On assembly, the corner is closed on the inside and open on the outside..



#### CORRECT CLAMPING

Here, the clamping pressure is on the rebate side of the profile, and the visible side undergoes a smaller, secondary pressure.

The profile is prevented from twisting or deforming during cutting. A perfect joint is obtained on assembly.



**Remark:** It is recommended to exhaust the swarf during the cutting.

## II.1.2 Assembly

We make the following subdivision:

1. Corner connections;
2. T-brackets;
3. Drainage, aeration and recesses for the accessories;
4. Gaskets..

### II.1.2.1 Corner connections

Steps:

- a. Correct sawing, punching or drilling.
- b. Protection of the saw cuts by:
  - deburring (if necessary);
  - removing dust and saw-dust on the saw cut and in the profile chamber;
  - degreasing (Degreaser art.nr. 086.9181.--);
  - applying anti-corrosion product (Anticorro art.nr. 086.9609.--); drying time: about 1 hour.
- c. Sealing: applying a neutral elastic sealing agent on the saw cuts.
- d. Glueing: applying an approved sealing glue (glue for corner connection Körapur art.nr. 084.9069.--).
  - Apply sealing glue in the profile chamber.
  - Also glue the rebate support.
- e. Making the connection:
  - Outer frame : the corner cleats can be inserted and the mechanical corner connection can be made, either by crimping or by screwing.
  - Sliding panel : the sliding panels are cut straight and the corner connection is made by means of a screw.
- f. The adhesive residue on the visible sides of the completed elements has to be removed by means of a non-aggressive product (Reynaclean art.nr. 086.9201.--).

### II.1.2.2 T - brackets

Steps:

- a. Correct sawing, milling, punching or drilling.
- b. Protection of the saw cuts by:
  - deburring (if necessary);
  - removing dust and saw-dust on the saw cut and in the profile chamber;
  - degreasing (Degreaser art.nr. 086.9181.--);
  - applying anti-corrosion product (Anticorro art.nr. 086.9609.--); drying time: about 1 hour.
- c. Sealing: applying a neutral sealing agent:
  - on the saw cuts;
  - on the fixing holes.

Remark : The area under the transom/mullions may not be completely watertight in order to obtain a controlled drainage of the sliding panel (see page 37.f.040-049).
- d. Making the connection: the transom/mullion is inserted and screwed.
- e. The sealing agent residue on the visible sides of the completed elements has to be removed by means of a non-aggressive product (Reynaclean art.nr. 086.9201.--).

### II.1.2.3 Drainage, aeration and recesses for the accessories

Steps:

- a. Correct punching, drilling or milling.
- b. Protection of the treated surfaces by:
  - deburring (if necessary);
  - removing dust and saw-dust ;
  - degreasing (Degreaser art.nr. 086.9181.--) ;
  - applying anti-corrosion product (Anticorro art.nr. 086.9609.--); drying time: about 1 hour.

Special attention should be paid to the following regarding drainage / aeration:

- All types of sliding elements should be provided with a drainage system in the bottom profiles or the transoms. This is to allow infiltrating water to escape outside and also ensures that the profile's chambers remain at atmospheric pressure.
- For all sliding elements, drainage holes should be a maximum of 250 mm from the corner for the sliding panel and 100 mm for the outer frame. The maximum distance between 2 drainage holes is 800 mm.
- The minimum surface of these openings is 50 mm<sup>2</sup> per opening in the sliding panel, either a round opening of minimum 8 mm diameter, or elongated openings of minimum 5 mm by 15 mm. For the outer frame the minimum surface is 150 mm<sup>2</sup> per opening, either 3 round openings of minimum 8 mm diameter, or an elongated opening of minimum 8 mm by 34 mm.
- On the side at the top of the sliding panel at least 1 opening of minimum 5 mm should always be drilled. Its function is to guarantee the pressure equalization around the glazing.
- Always drain at the lowest point of the glass rebate.

Remark: For specific drainage we refer to page 37.f.073-075.

#### II.1.2.4 Gaskets

All gaskets are of EPDM resistant to weathering and ageing. They should be carefully applied since the tight sealing of the sliding element depends on their correct application.

##### a. Applying the glazing gaskets/gaskets

Steps:

1. Correct cutting: the glazing gasket should be cut with special gasket shears (art.no. 090.0121.00) and can be cut straight or mitred according to the kind of profile connection. Extra overhanging (about 10 mm per metre) is required.
2. Application of the gasket: the gaskets are applied around the glazing; they should be cut slightly longer than is necessary to compensate for any shrinkage that may occur. Difficulties in applying the gasket can be solved by the use of silicone spray (art.nr. 086.9551.--).

##### b. Applying the brushes

Steps:

1. Correct cutting: the brush should be cut with special gasket shears (art.nr. 090.0121.00) and can be cut straight or mitred according to the kind of profile connection.
2. Application of the brush: the brushes are applied in the appropriate grooves within the profiles. Difficulties in applying the brush can be solved by the use of silicone spray (art.nr. 086.9551.--).
3. Glueing: In function of the type of profile connection (straight), the brush should be glued at the ends with contact glue (Reynaglue art.nr. 084.9105.--). This glueing is necessary to avoid the slipping away of the brush.

##### c. Applying a closer at the bottom and the top of the meeting section

To obtain a good watertightness and windtightness, an extra closer should be fitted at bottom and top of the meeting section:

- art.nr. 062.7114.04

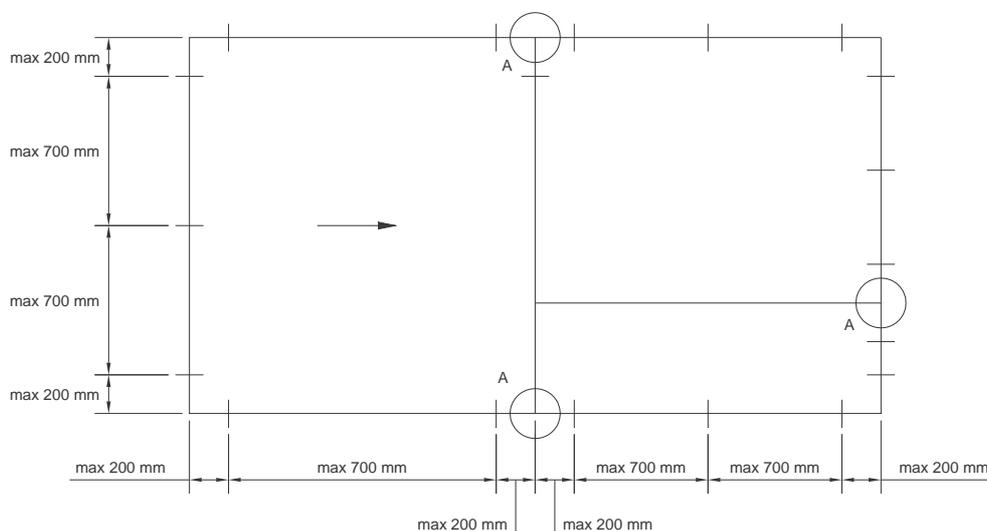
The closer at the top is difficult to fit after the sliding panels have been fitted.

## II.2 FITTING

### II.2.1 Fitting in the structural work

The fixing to the structural work is done either directly through the profiles by means of for instance screws and plugs, or by means of fixing lugs.

- The fixings may not be applied less than 40 mm of the wall of the structural work.
- The anchoring may in no way influence the bearing power of the adjacent building parts.:



- All anchorings, as far as they are not made of aluminium or stainless steel, should be adequately corrosion-protected and may not attack the aluminium themselves.
- When fitting the sliding elements, sufficient fixings are required:
  - At least two fixings should be applied on all sides; the maximum distance to the corner is at least 200 mm.
  - The distance between the fixings is maximum 700 mm.
  - Where transom/mullions and outer frame profiles meet, the fixing must be applied maximum 200 mm from both sides of the transom/mullion (A). In this way, expansion and shrinkage of the transom/mullion (because of fluctuations of temperature) are possible without any damage.
  - We recommend to position the fixings at the height of each locking point.

**Remark:**

The anchorings should be applied in such a way that possible expansion/shrinkage of the sliding element is not obstructed.

When screws and plugs are used directly through the profiles, the chambers in the bottom outer frame may not be pierced to avoid water infiltration at the height of this fixing.

## II.2 Fitting of the accessories

The choice of the fixing points, number of locking points, max. weight of the sliding panel, max. sizes of the sliding panel, panel profile used etc. depends on the instructions of the system supplier and the accessory producer.

Sliding and moving parts should be provided with neutral grease.

When fitting, please check whether all accessories can be operated easily and without getting stuck.

## II.3 GLAZING

Reynaers' systems are designed for EPDM gasket or neutral silicone glazing. In case of silicone glazing a backing rod should be applied to create a correct opening between the glass panel and the aluminium frame. For easy and reliable fitting, durability and reglazing simplicity, we recommend using only Reynaers' gaskets - specially adapted for our profiles.

The following precautions should be taken when fitting the glazing:

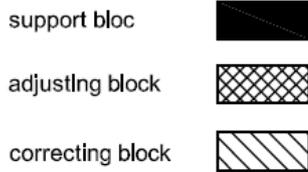
- Cut the glazing gaskets slightly longer than is necessary to avoid openings in the corners at a later stage.
- Drainage holes should be drilled to avoid a build-up of moisture. This is also necessary in the case of silicone glazing (see drainage drawings).

- Glass panels should be at least 12 mm (6 mm per side) smaller than the actual measured glazing size..

### Fitting glass panels

Glass panels should not come into contact with the aluminium frame; always use glazing blocks and gaskets. Wedging prevents this contact and also ensures correct positioning of the glass in the frame, distributing the weight equally onto the rollers to avoid deformation.

There are 3 types of glazing blocks:



### C1 : Support blocks

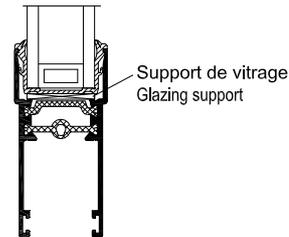
These blocks distribute the weight of the glass onto the sliding panel or the outer frame. Correct positioning is very important for the sliding panel to function correctly.

### C2 : Adjusting blocks

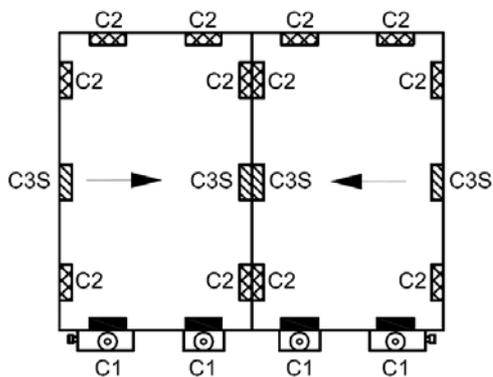
These blocks guarantee the correct positioning of the glass between the rebates. They must be positioned without twisting or damaging the profile. Adjusting blocks also prevent the glass panels from moving.

### C3S : Correcting blocks

These blocks are used to limit stress or vent, especially during handling or working operations. These blocks are placed at Hv/2.



The following sketches indicate the different glazing blocks in different types of sliding elements.



The glass weight of sliding panels should be distributed equally onto the rollers. The support blocks (C1) should consequently be fitted at the height of the rollers.

The glass weight of fixed panels should be distributed onto the support piece of the fixed panel. The support blocks (C1) should consequently be fitted at the height of the support piece.

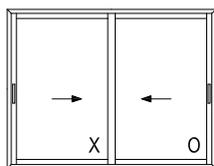


Fenêtres et portes-fenêtres coulissantes  
Sliding windows and doors

Couissants, 2 rails  
Sliding, 2 rails

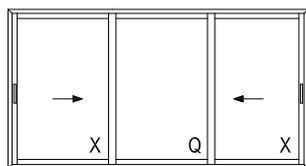
Fenêtre  
Window

2 vantaux sur 2 rails  
2 vents / 2 rails



37F.e.002

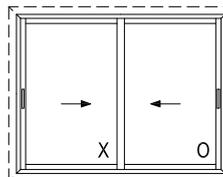
3 vantaux sur 2 rails  
3 vents / 2 rails



37F.e.012

Integration TS 57

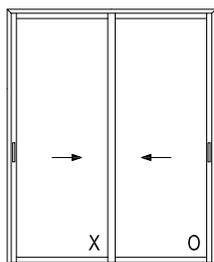
2 vantaux sur 2 rails  
2 vents / 2 rails



37F.e.056

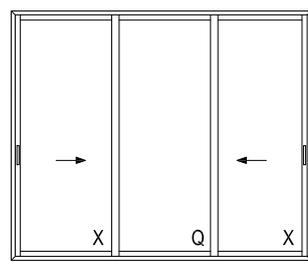
Porte-Fenêtre  
Window Door

2 vantaux sur 2 rails  
2 vents / 2 rails



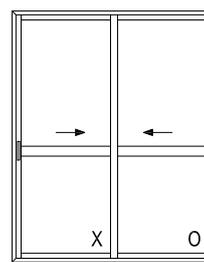
37F.e.006

3 vantaux sur 2 rails  
3 vents / 2 rails



37F.e.016

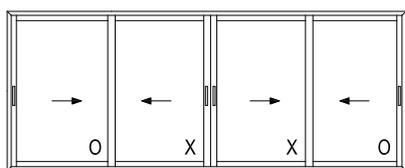
2 vantaux sur 2 rails + traverse intern.  
2 vents / 2 rails + transom



37F.e.052

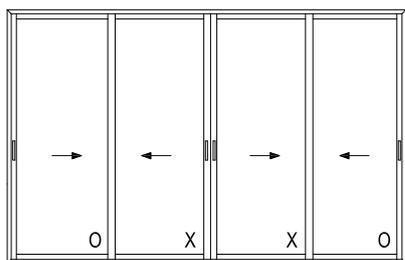
Fenêtre  
Window

4 vantaux sur 2 rails  
4 vents / 2 rails



Porte-Fenêtre  
Window Door

4 vantaux sur 2 rails  
4 vents / 2 rails



37F.e.022

X: Vantail de service  
X: Primary vent

O: Vantail semi-fixe  
O: Secondary vent

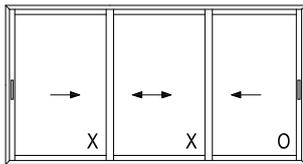
Q: Vantail fixe  
Q: Fixed vent

Fenêtres et portes-fenêtres coulissantes  
Sliding windows and doors

Coulissants, 3 rails  
Sliding, 3 rails

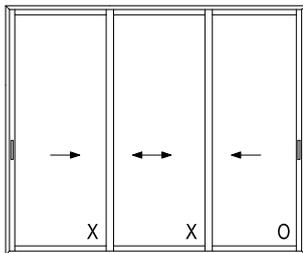
Fenêtre  
Window

3 vantaux sur 3 rails  
3 vents / 3 rails



Porte-Fenêtre  
Window Door

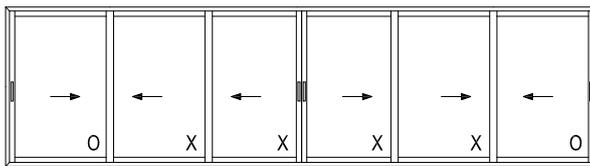
3 vantaux sur 3 rails  
3 vents / 3 rails



37F.e.032

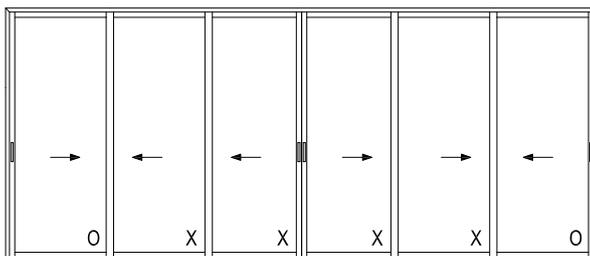
Fenêtre  
Window

6 vantaux sur 3 rails  
6 vents / 3 rails



Porte-Fenêtre  
Window Door

6 vantaux sur 3 rails  
6 vents / 3 rails



37F.e.042

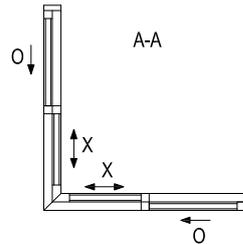
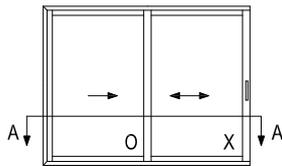
X: Vantail de service    O: Vantail semi-fixe    Q: Vantail fixe  
X: Primary vent        O: Secondary vent        Q: Fixed vent

Fenêtres et portes-fenêtres coulissantes d'angle  
Sliding windows and doors

Couissants, 2 rails  
Sliding, 2 rails

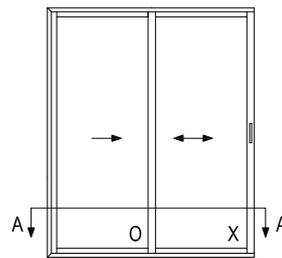
Fenêtre  
Window

4 vantaux sur 2 rails  
4 vents / 2 rails

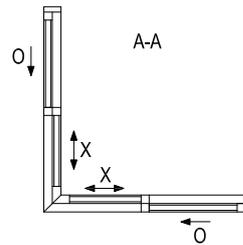


Porte-Fenêtre  
Window Door

4 vantaux sur 2 rails  
4 vents / 2 rails



37F.e.064



X: Vantail de service  
X: Primary vent

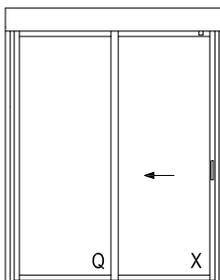
O: Vantail semi-fixe  
O: Secondary vent

Portes-fenêtres coulissantes motorisée  
Sliding doors

Coulissants, 2 rails  
Sliding, 2 rails

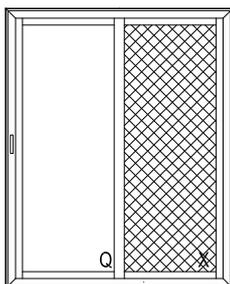
Porte-Fenêtre  
Door

2 vantaux sur 2 rails  
2 vents / 2 rails



Porte-Fenêtre  
Door

Moustiquaire  
Mosquito



37F.e.068

X: Vantail de service  
X: Primary vent

O: Vantail semi-fixe  
O: Secondary vent

Q: Vantail fixe  
Q: Fixed vent



**C**

Profielen

Profilés

Profiles

Profile



Art. N°		Art. N°		Art. N°	
001.0836.XX	37F.c.003	017.0199.XX	37F.c.062		
002.3845.XX	37F.c.002	017.0201.XX	37F.c.071		
006.0962.XX	37F.c.032	017.0202.XX	37F.c.071		
006.0963.XX	37F.c.032	017.0203.XX	37F.c.071		
006.0965.XX	37F.c.032	017.0204.XX	37F.c.071		
006.0966.XX	37F.c.032	017.0205.XX	37F.c.062		
006.0997.XX	37F.c.008	017.0210.XX	37F.c.052		
006.0999.XX	37F.c.008	017.0211.XX	37F.c.072		
006.1001.XX	37F.c.001	017.0212.XX	37F.c.072		
006.1007.XX	37F.c.001	017.0213.XX	37F.c.072		
006.1009.XX	37F.c.001	017.0214.XX	37F.c.072		
006.1010.XX	37F.c.002	017.0216.XX	37F.c.072		
006.1015.XX	37F.c.003	017.0219.XX	37F.c.052		
006.1016.XX	37F.c.003	017.0233.XX	37F.c.062		
006.1021.XX	37F.c.006	017.0234.XX	37F.c.062		
006.1022.XX	37F.c.006	017.0235.XX	37F.c.062		
006.1023.XX	37F.c.007	017.0236.XX	37F.c.062		
006.1040.XX	37F.c.052	017.5003.XX	37F.c.073		
006.1042.XX	37F.c.001	017.5020.XX	37F.c.051		
006.1050.SY	37F.c.002	017.5022.XX	37F.c.051		
006.1051.SY	37F.c.011	019.4904.XX	37F.c.052		
006.1052.XX	37F.c.011	049.5110.XX	37F.c.052		
006.1053.79	37F.c.052	B06.1061.71	37F.c.024		
006.1054.XX	37F.c.043	B06.1062.71	37F.c.024		
006.1061.XX	37F.c.022	B06.1063.71	37F.c.025		
006.1062.XX	37F.c.022	B06.1068.71	37F.c.025		
006.1063.XX	37F.c.023	B06.2085.71	37F.c.041		
006.1064.XX	37F.c.030				
006.1065.XX	37F.c.030				
006.1066.XX	37F.c.031				
006.1067.XX	37F.c.031				
006.1068.XX	37F.c.023				
006.1075.--	37F.c.052				
006.1076.17	37F.c.052				
006.1077.04	37F.c.052				
006.1080.17	37F.c.043				
006.1099.SY	37F.c.031				
006.1134.XX	37F.c.042				
006.1135.XX	37F.c.043				
006.1136.XX	37F.c.043				
006.2085.XX	37F.c.041				
006.2086.XX	37F.c.041				
011.0767.XX	37F.c.051				
011.5129.XX	37F.c.051				
011.5135.SY	37F.c.043				
017.0077.XX	37F.c.051				
017.0110.XX	37F.c.051				
017.0119.XX	37F.c.051				
017.0120.XX	37F.c.051				
017.0127.XX	37F.c.073				
017.0128.XX	37F.c.073				
017.0129.XX	37F.c.073				
017.0131.XX	37F.c.051				
017.0189.XX	37F.c.061				
017.0190.XX	37F.c.061				
017.0193.XX	37F.c.061				
017.0197.XX	37F.c.061				
017.0198.XX	37F.c.061				



### DORMANTS OUTER FRAMES

			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
001.0836.XX			17.79	2.8	7	1.819	3.597
002.3845.XX			21.85	3.0	6.50	1.122	4.985
006.1001.XX			57.17	15.4	6.50	22.013	17.242
006.1007.XX			46.57	12.2	6.50	18.701	8.588
006.1009.XX			49.71	11.1	6.50	18.325	9.107
006.1010.XX			46.55	17.1	6.50	9.264	18.071
006.1015.XX			40.50	12.3	6.50	13.493	7.872
006.1016.XX			43.63	11.1	6.50	13.080	8.357
006.1021.XX			66.95	13.3	6.50	65.562	12.542
006.1022.XX			69.96	12.2	6.50	65.298	13.025

### DORMANTS OUTER FRAMES

			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
006.1023.XX			60.90	13.2	6.50	11.815	53.314
006.1042.XX			47.81	11.4	6.50	18.569	8.888
006.1050.SY			-	-	6.50	-	-

### DORMANT FONCTIONNEL OUTER FRAME FUNCTIONAL DESIGN

			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
006.0997.XX			47.69	13.5	6.50	18.625	8.519
006.0999.XX			50.82	12.4	6.50	18.247	9.042

### PROFILE COMPLEMENTAIRE POUR MONTANTS LATERAUX ADDITIONAL PROFILE SIDE VENTS

			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
006.1051.XX			-	-	6.50	-	-

### PROFILE COMPLEMENTAIRE POUR MONTANTS LATERAUX ADDITIONAL PROFILES SIDE VENTS

### MONTANT CENTRAUX CENTRAL VENTS

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
006.1052.XX		11.22	1.2	6.50	1.116	0.218

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
006.1064.XX		15.66	7.2	6.50	4.646	1.723

### MONTANT LATERAUX SIDE VENTS

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
006.1061.XX		29.22	14.7	6.50	4.832	11.295

006.1065.XX		21.35	13.0	6.50	14.854	3.661
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006.1062.XX		35.63	21.2	6.50	15.013	16.740
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006.1066.XX		21.35	13.0	6.50	23.568	4.800
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006.1063.XX		35.63	21.2	6.50	23.457	18.537
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006.1067.XX		17.81	9.5	6.50	7.444	2.587
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006.1068.XX		31.49	17.0	6.50	7.984	15.680
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006.1099.SY		-	-	6.50	-	-
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B06.1061.71		29.22	14.7	6.50	4.832	11.295
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### MONTANT FONCTIONNEL VENT FUNCTIONAL DESIGN

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
006.0962.XX		36.66	22.4	6.50	17.994	19.463

B06.1062.71		35.63	21.2	6.50	15.013	16.740
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006.0963.XX		36.66	22.4	6.50	27.021	22.390
-------------	--	-------	------	------	--------	--------

B06.1063.71		35.63	21.2	6.50	23.457	18.537
-------------	--	-------	------	------	--------	--------

006.0965.XX		22.99	14.9	6.50	18.604	4.678
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B06.1068.71		31.49	17.0	6.50	7.984	15.680
-------------	--	-------	------	------	-------	--------

006.0966.XX		22.99	14.9	6.50	26.089	5.469
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### TRAVERSES TRANSOMS

			$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$I_y$ cm <sup>4</sup>	
006.2085.XX			30.20	14.5	6.50	3.898	9.033	
006.2086.XX			24.20	13.5	6.50	3.982	6.901	
B06.2085.71			30.20	14.5	6.50	3.898	9.033	

### PROFILE ANGLE ET MOTORISE CORNER PROFILE AND MOTORIZED

			$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m				
006.1054.XX			18.50	4.9	6.50	0.607	1.192	
006.1080.17			6.60	-	6.50	0.015	0.601	
006.1134.00			-	-	6.50	1.002	25.688	
006.1135.00			30.15	-	6.50	7.366	16.961	
006.1136.XX			54.92	22.5	6.50	110.895	21.876	
011.5135.SY			-	-	6.50	-	-	

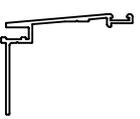
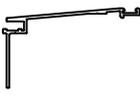
### DIVERS MISCELLANEOUS

			$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$I_y$ cm <sup>4</sup>	
006.1040.XX			13.00	6.1	6.50	0.999	0.846	
006.1053.79			14.00	6.1	6.50	0.562	0.998	
006.1075.--			-	-	6.50	0.028	0.008	
006.1076.17			0.93	-	6.50	0.039	0.011	
006.1077.04			-	-	6.50	-	-	
011.0767.XX			12.47	9.0	6.50	1.073	0.198	
011.5129.XX			17.44	6.6	6.50	0.133	4.136	
017.0077.XX			15.99	5.8	6.50	3.720	0.171	
017.0110.XX			12.27	4.3	6.50	1.034	0.165	
017.0119.XX			20.61	10.4	6.50	0.350	8.481	

## DIVERS MISCELLANEOUS

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	
017.0120.XX		12.03	3.8	6.50	1.128	0.152	
017.0131.XX		10.12	3.8	6.50	0.928	0.061	
017.0210.XX		7.60	1.2	6.50	0.070	0.058	
017.0219.XX		8.70	1.7	6.50	0.082	0.183	
017.5022.XX		14.04	5.8	6.50	0.066	3.375	
019.4904.XX		3.90	0.6	6.50	0.004	0.034	
049.5110.XX		16.59	13.3	5.80	0.188	1.511	

## BAVETTES SILLS

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	
017.0189.XX		22.21	4.8	6.50	2.178	5.036	
017.0190.XX		-	10.2	6.50	2.527	12.024	

## BAVETTES SILLS

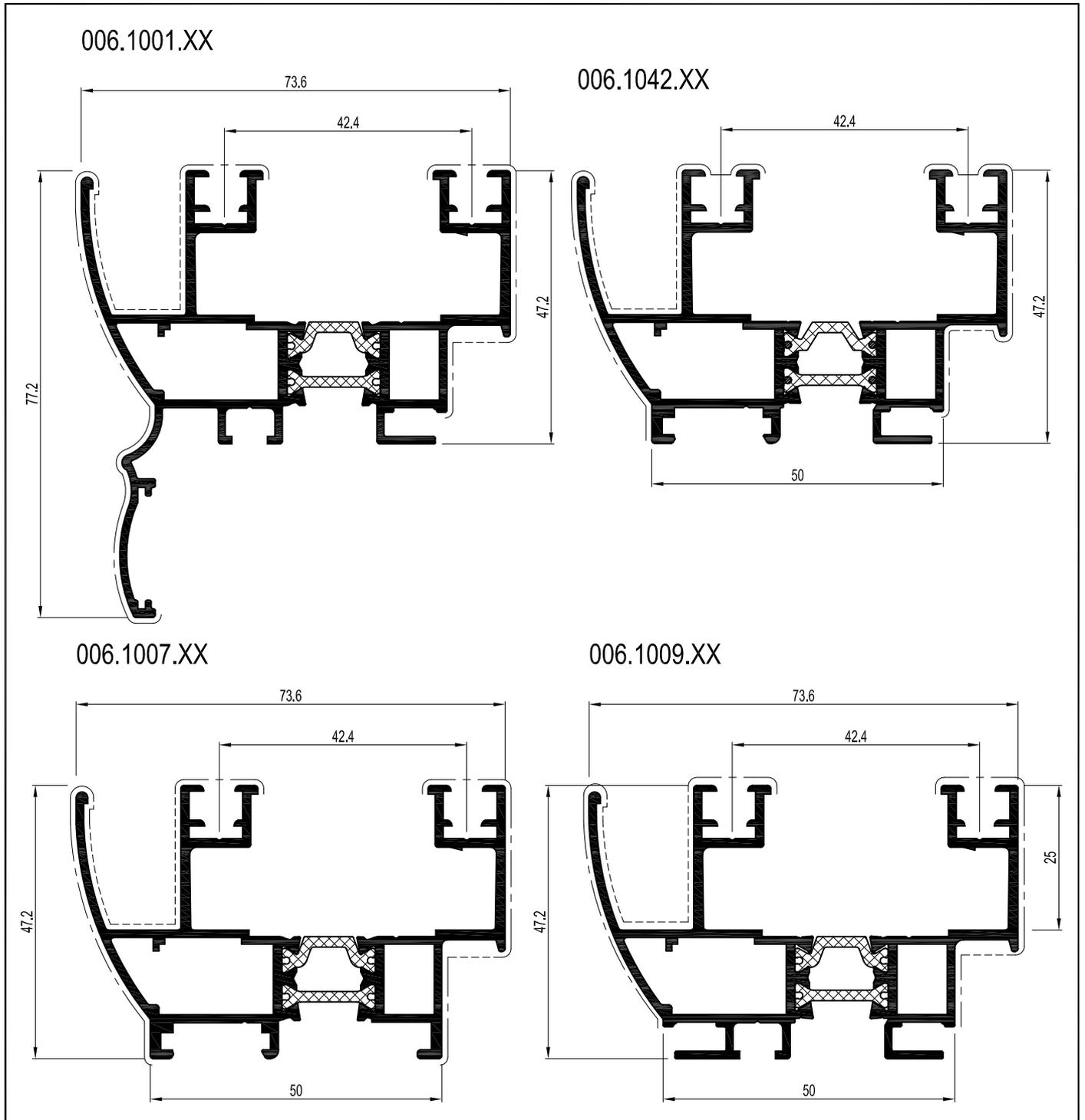
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$L_m$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	
017.0193.XX		39.15	15.8	6.50	1.487	47.355	
017.0197.XX		10.63	3.7	6.50	0.224	0.785	
017.0198.XX		19.00	7.3	6.50	0.613	0.006	
017.0199.XX		25.81	10.7	6.50	0.843	19.870	
017.0205.XX		33.06	14.3	6.50	1.202	48.536	
017.0233.XX		16.90	5.6	6.50	0.101	4.063	
017.0234.XX		15.00	5.0	6.50	0.495	1.893	
017.0235.XX		25.06	10.0	6.50	0.833	17.251	
017.0236.XX		30.26	12.8	6.50	1.006	37.060	

### PROFILE DE RECOUVREMENT COVERING PROFILE

						$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	
017.0127.XX			32.97	12.3	6.50	20.830	4.778	
017.0128.XX			13.00	4.9	6.50	2.940	1.480	
017.0129.XX			19.23	6.9	6.50	2.539	1.450	
017.0201.XX			22.30	7.9	6.50	1.856	5.046	
017.0202.XX			26.30	9.9	6.50	1.996	12.080	
017.0203.XX			32.12	11.9	6.50	2.133	24.151	
017.0204.XX			36.12	13.9	6.50	2.205	41.070	
017.0211.XX			23.26	8.9	6.50	1.896	6.279	
017.0212.XX			27.29	10.4	6.50	2.040	14.343	
017.0213.XX			33.07	12.4	6.50	2.153	27.316	
017.0214.XX			37.06	14.3	6.50	2.221	45.475	
017.0216.XX			19.34	6.4	6.50	1.713	1.987	
017.5003.XX			35.06	15.2	6.50	28.875	21.672	



	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	Lm	Ix cm <sup>4</sup>	Wx cm <sup>3</sup>	ax mm	Iy cm <sup>4</sup>	Wy cm <sup>3</sup>	ay mm	
006.1001.XX	57.17	15.4	6.50	22.013	5.650	38.96	17.242	3.611	47.75	
006.1007.XX	46.57	12.2	6.50	18.701	4.929	35.67	8.588	3.466	22.46	
006.1009.XX	49.71	11.1	6.50	18.325	4.810	35.51	9.107	3.607	21.99	
006.1042.XX	47.81	11.4	6.50	18.569	4.891	35.63	8.888	3.545	22.17	



	006.1001.XX	
	068.7651.00	---
	068.7650.00	097.J900.00 of-ou-or-oder 097.0562.00
	062.7125.00	---
	021.0245.00	---

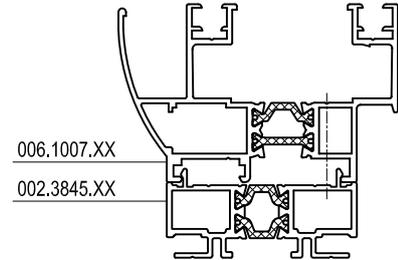
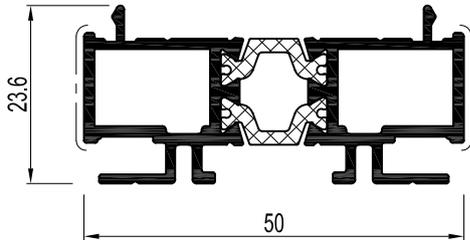
	006.1007.XX	
	068.7651.00	---
	068.7650.00	097.J900.00
	062.7125.00	---

	006.1009.XX	
	068.7651.00	--
	068.7650.00	097.J900.00 of-ou-or-oder 097.0562.00
	062.7125.00	--

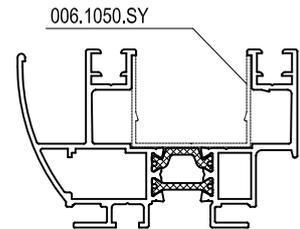
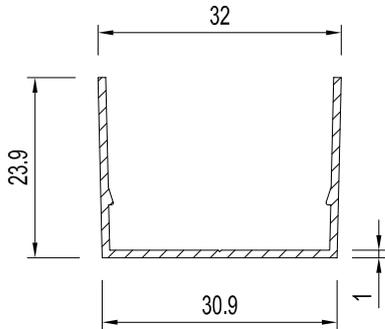
	006.1042.XX	
	068.7651.00	--
	068.7650.00	097.J900.00
	062.7125.00	--

	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	L <sub>m</sub>	I <sub>x</sub> cm <sup>4</sup>	W <sub>x</sub> cm <sup>3</sup>	ax mm	I <sub>y</sub> cm <sup>4</sup>	W <sub>y</sub> cm <sup>3</sup>	ay mm	
002.3845.XX	21.85	3.0	6.50	1.122	0.852	10.43	4.985	1.994	25.00	
006.1010.XX	46.55	17.1	6.50	9.264	3.125	29.64	18.071	4.839	37.35	
006.1050.SY	-	-	6.50	-	-	-	-	-	-	

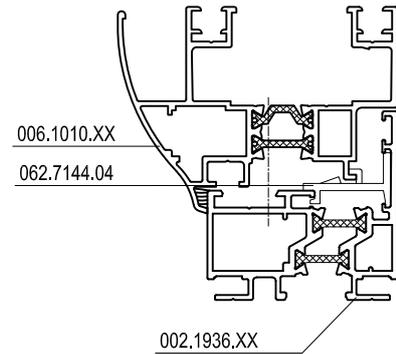
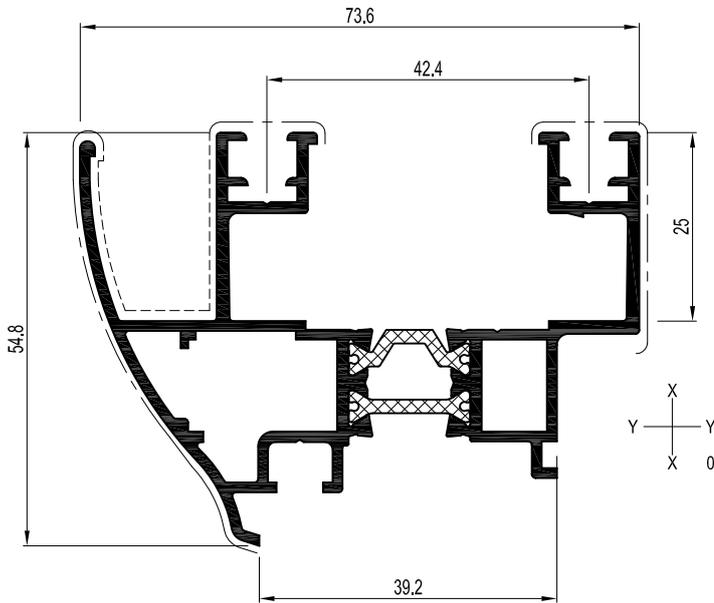
002.3845.XX



006.1050.SY



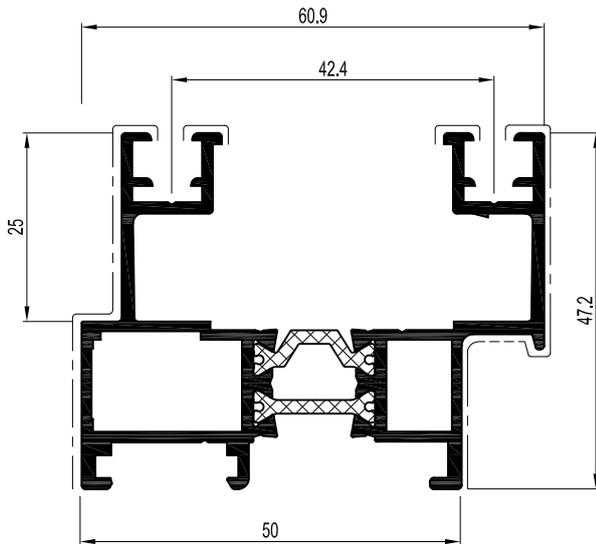
006.1010.XX



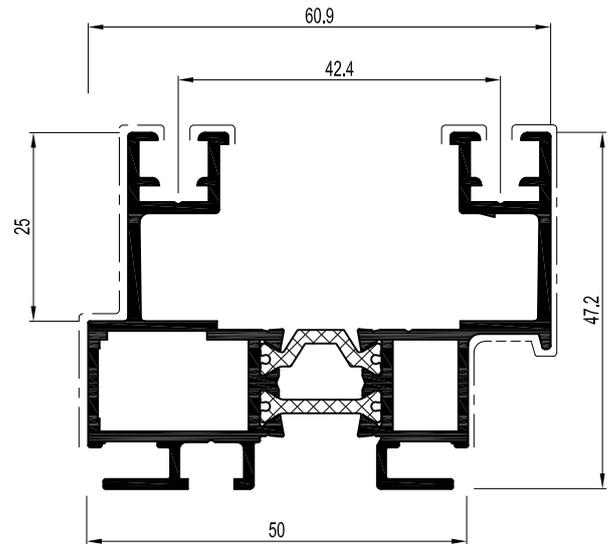
	006.1010.XX	
	068.7651.00	--
	068.7650.00	097.J900.00 or 097.0562.00
	062.7125.00	--

	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
006.1015.XX	40.50	12.3	6.50	13.493	4.292	31.44	7.872	3.082	21.69	Y X 0
006.1016.XX	43.63	11.1	6.50	13.080	4.173	31.35	8.357	3.208	21.19	
001.0836.XX	17.79	2.8	7.00	1.819	1.209	15.04	3.597	1.335	26.95	

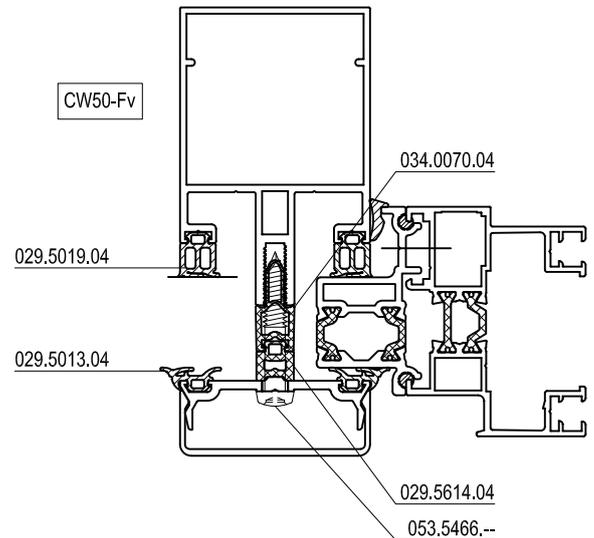
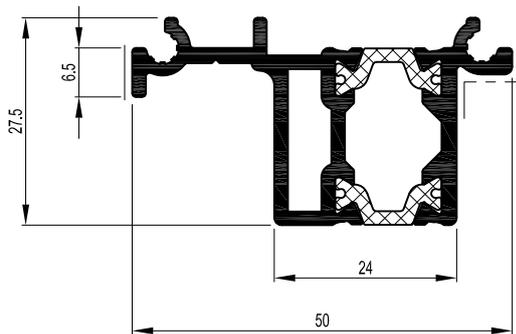
### 006.1015.XX



### 006.1016.XX



### 001.0836.XX

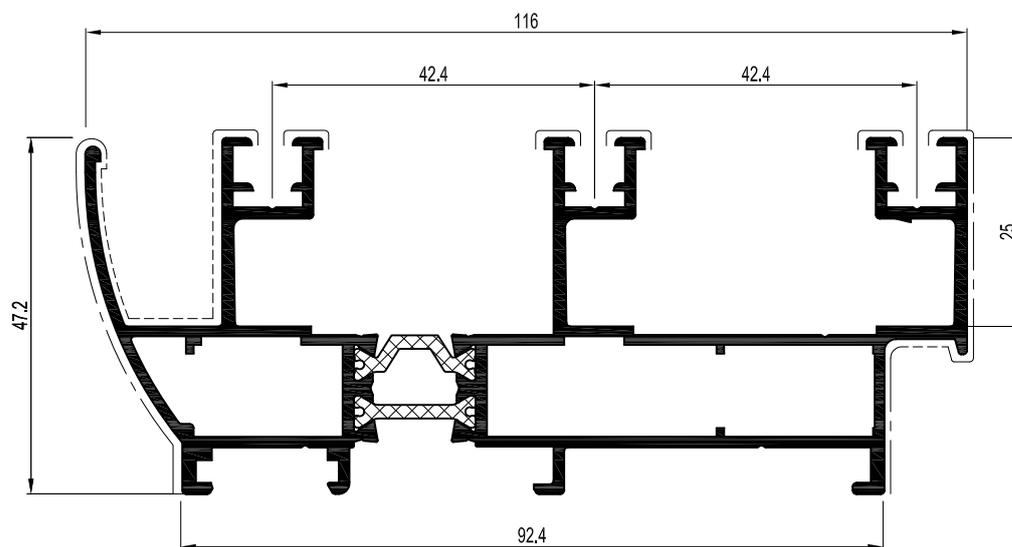


	006.1015.XX	
	068.7651.00	---
	068.7650.00	097.J900.00
	062.7125.00	---

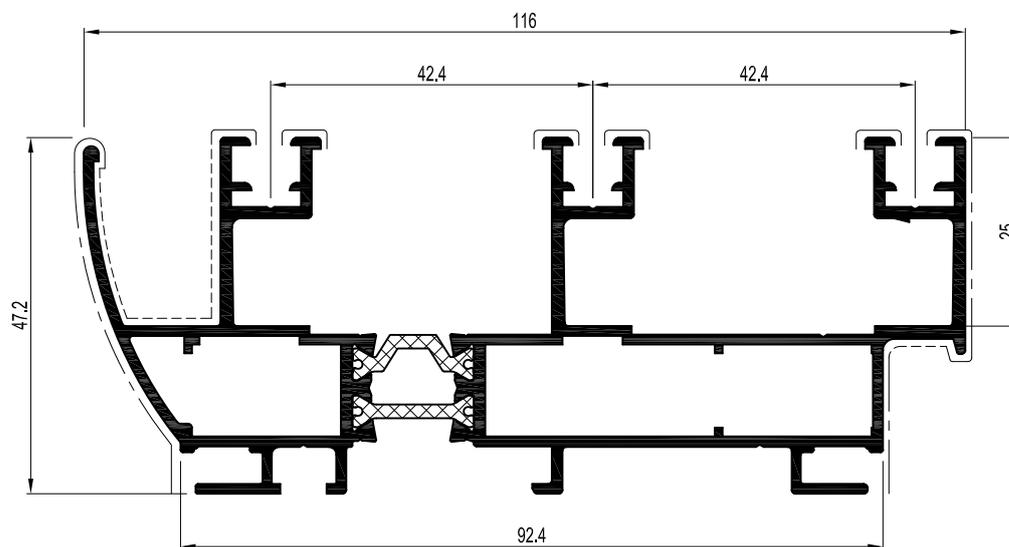
	006.1016.XX	
	068.7651.00	---
	068.7650.00	097.J900.00 of-or-oder 097.0562.00
	062.7125.00	---

	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	X Y X 0
006.1021.XX	66.95	13.3	6.50	65.562	11.222	58.42	12.542	5.007	22.19	
006.1022.XX	69.96	12.2	6.50	65.298	11.219	58.21	13.025	5.138	21.89	

006.1021.XX



006.1022.XX

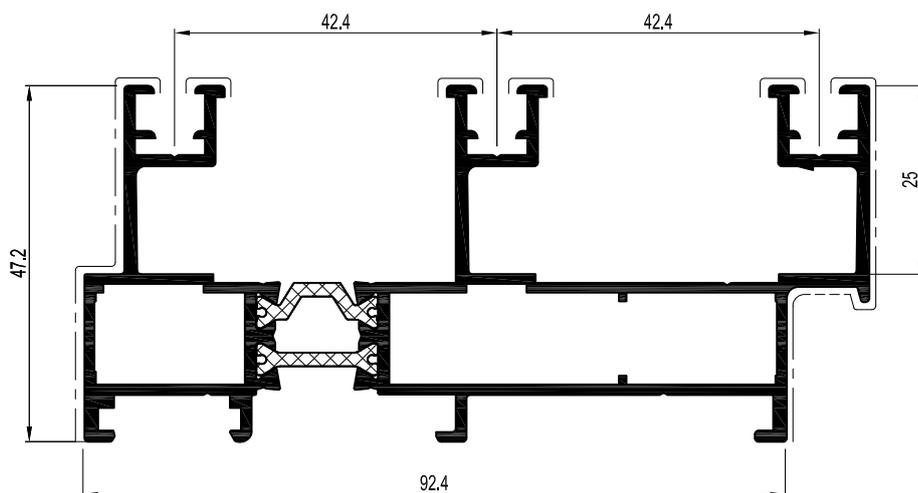


	006.1021.XX	
	068.7651.00 (x2)	--
	068.7650.00 (x2)	097.J900.00
	062.7124.00	--

	006.1022.XX	
	068.7651.00 (x2)	--
	068.7650.00	097.J900.00 of-ou-or-oder 097.0562.00
	062.7124.00	--

	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
006.1023.XX	60.90	13.2	6.50	11.815	4.618	21.65	53.314	9.874	49.26	

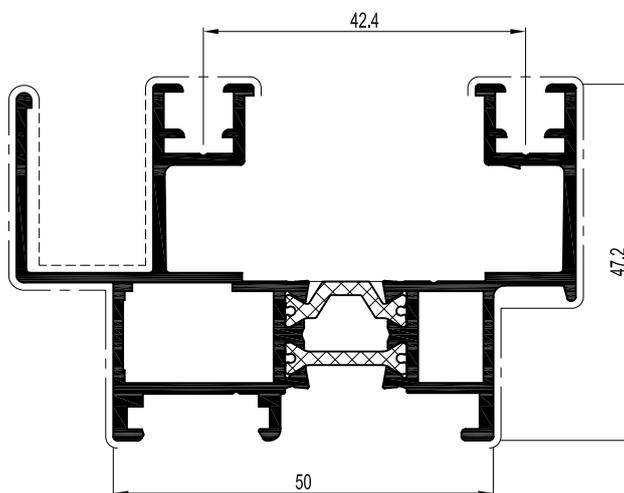
006.1023.XX



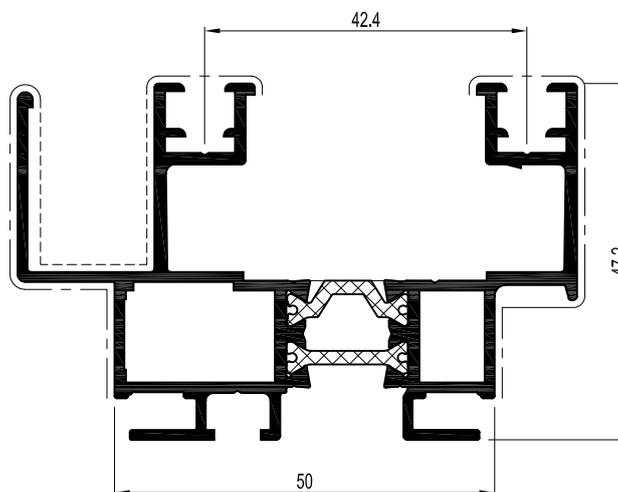
	006.1023.XX	
	068.7651.00 (x2)	---
	068.7650.00 (x2)	097.J900.00
	062.7124.00	---

	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
006.0997.XX	47.69	13.5	6.50	18.625	4.892	35.53	8.519	3.453	22.56	Y — X X — 0
006.0999.XX	50.82	12.4	6.50	18.247	4.772	35.37	9.042	3.596	22.09	

006.0997.XX



006.0999.XX

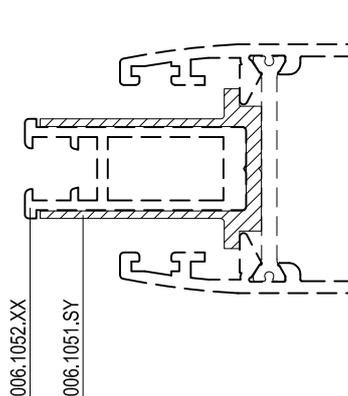
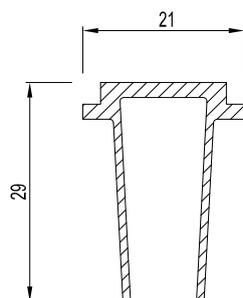


	006.0997.XX	
	068.7651.00	--
	068.7650.00	097.J900.00
	062.7125.00	--

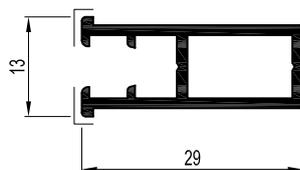
	006.0999.XX	
	068.7651.00	--
	068.7650.00	097.J900.00 of-ou-or-oder 097.0562.00
	062.7125.00	--

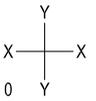
	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	$a_x$ mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	$a_y$ mm	
006.1051.SY 006.1052.XX	- 11.22	- 1.2	6.5 6.5	- 1.116	- 0.707	- 13.33	- 0.218	- 0.331	- 6.60	X Y X 0

006.1051.SY

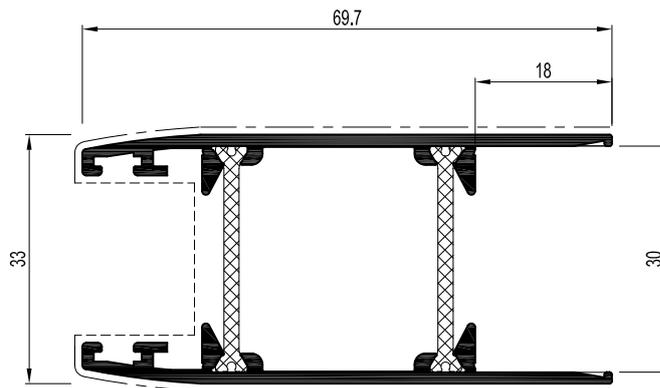


006.1052.XX

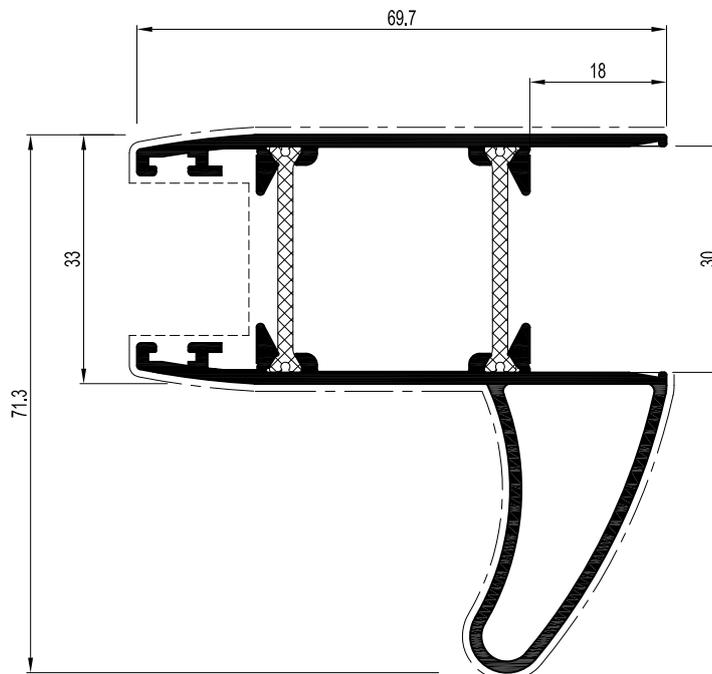


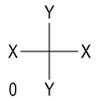
	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
006.1061.XX	29.22	14.7	6.50	4.832	2.928	16.50	11.295	2.991	31.92	X
006.1062.XX	35.63	21.2	6.50	15.013	3.429	43.79	16.740	4.314	38.80	0

006.1061.XX

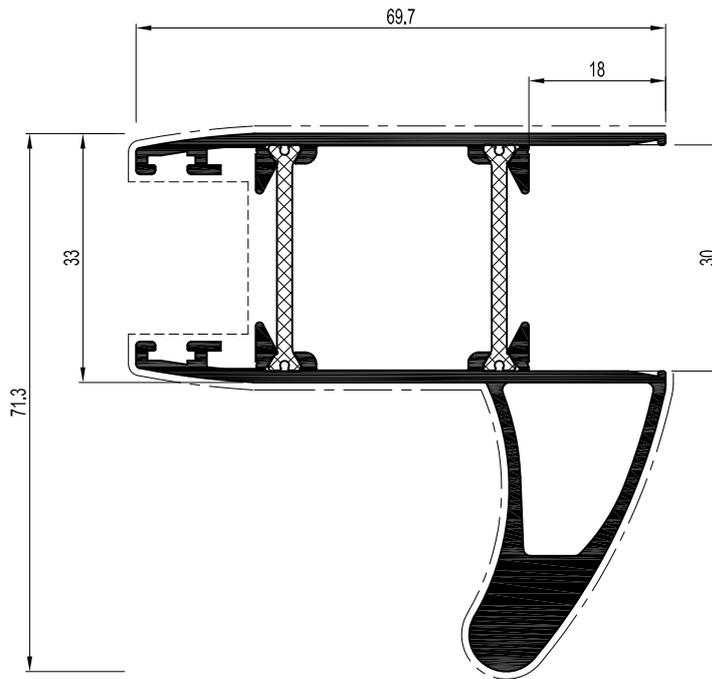


006.1062.XX

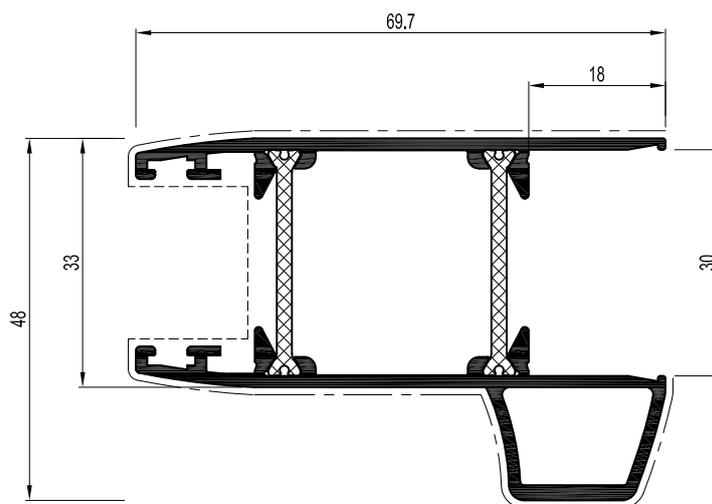


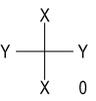
	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	$a_x$ mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	$a_y$ mm	
006.1063.XX	35.63	21.2	6.50	23.457	6.491	36.14	18.537	4.440	41.75	X
006.1068.XX	31.49	17.0	6.50	7.984	3.035	26.31	15.680	4.232	37.05	0

006.1063.XX

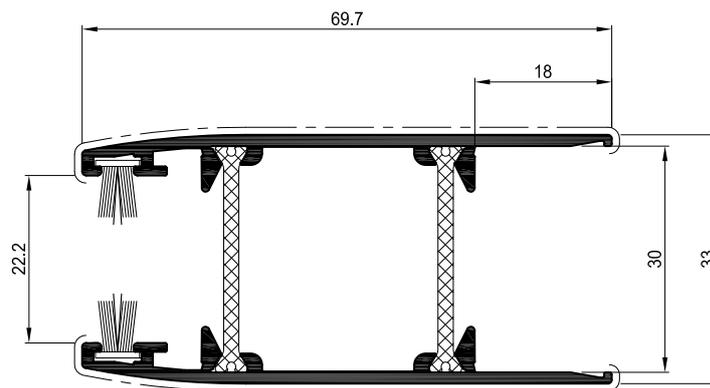


006.1068.XX

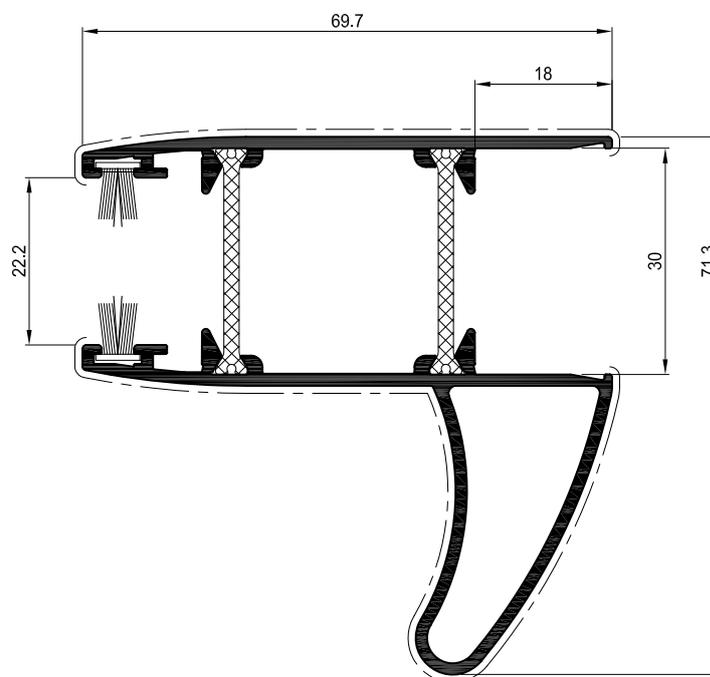


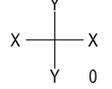
	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
B06.1061.71	29.22	14.7	6.50	4.832	2.928	16.50	11.295	2.991	31.92	
B06.1062.71	35.63	21.2	6.50	15.013	3.429	43.79	16.740	4.314	38.80	

### B06.1061.71

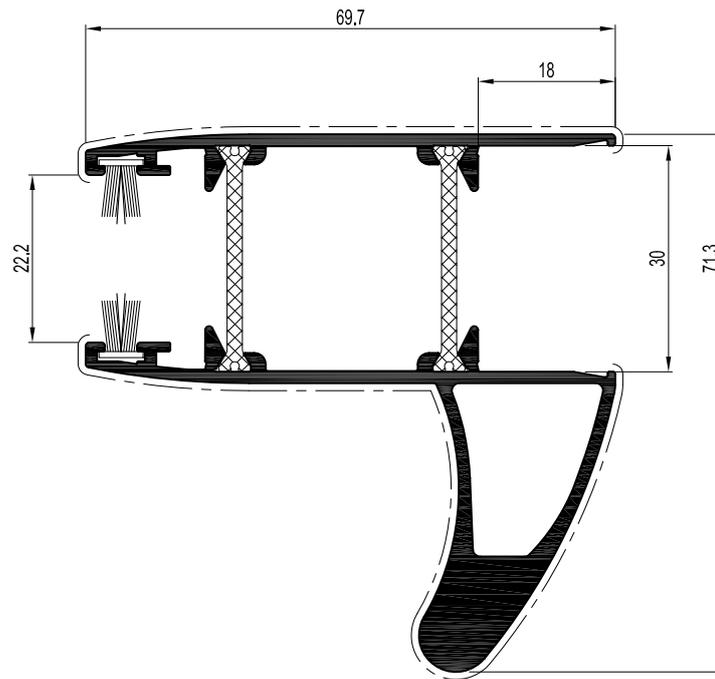


### B06.1062.71

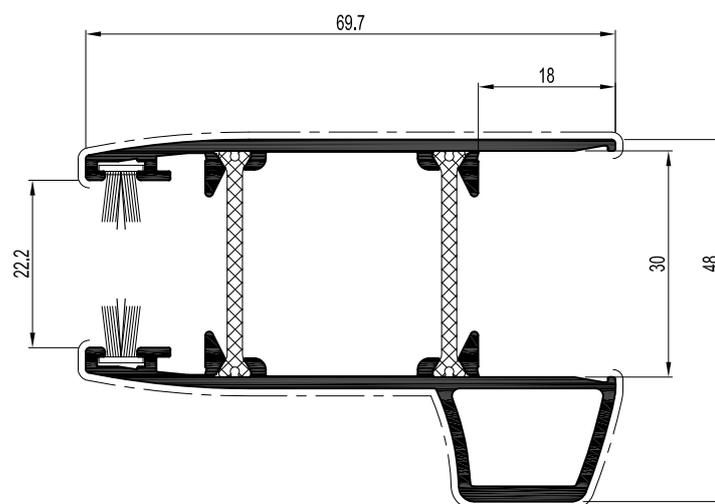


	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
B06.1063.71	35.63	21.2	6.5	23.457	6.491	36.14	18.537	4.440	41.75	X
B06.1068.71	31.49	17.0	6.5	7.984	3.035	26.31	15.680	4.232	37.05	Y

### B06.1063.71

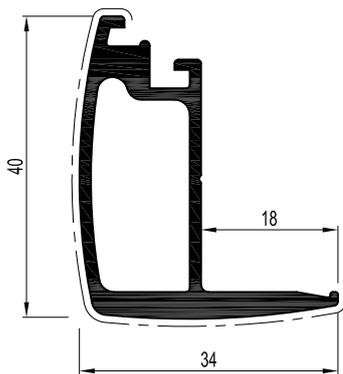


### B06.1068.71

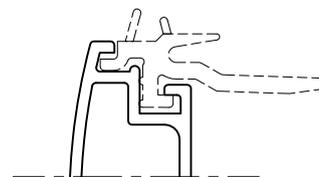
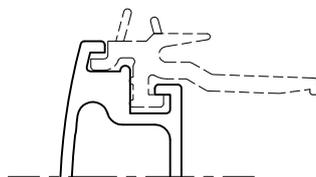
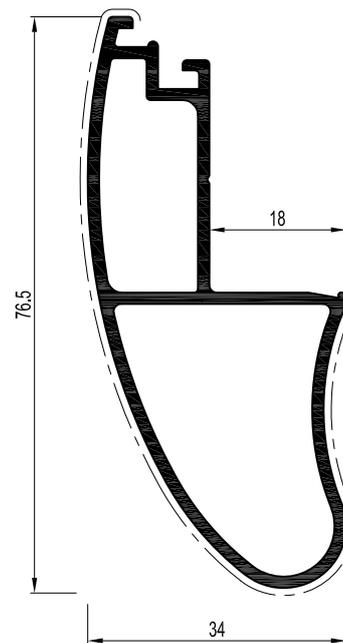


	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
006.1064.XX	15.66	7.2	6.50	4.646	1.905	15.73	1.723	0.756	11.22	X
006.1065.XX	21.35	13.0	6.50	14.854	3.864	38.44	3.661	1.905	14.78	0

006.1064.XX

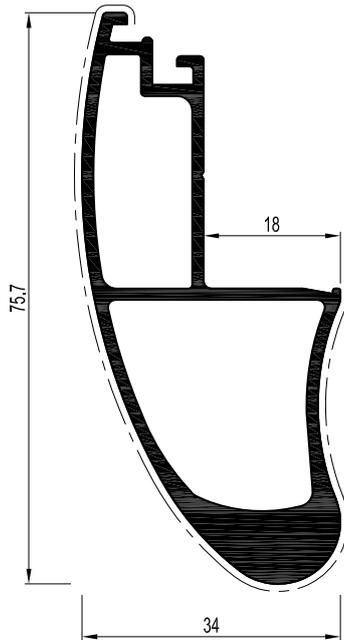


006.1065.XX

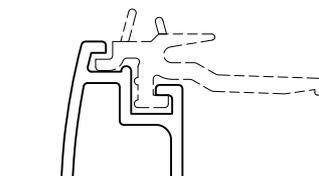
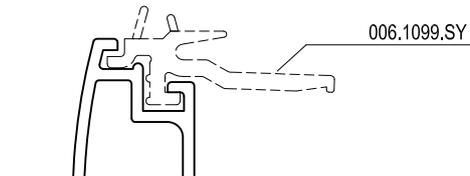
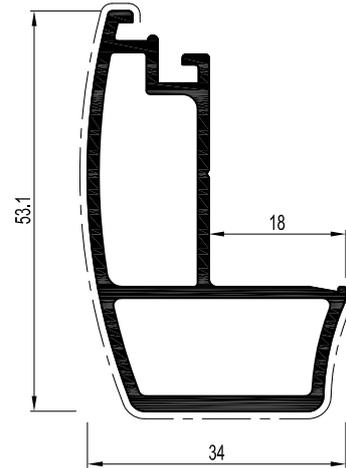


	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
006.1066.XX	21,35	13,0	6,50	23,568	5,112	29,66	4,800	2,744	17,49	
006.1067.XX	17,81	9,5	6,50	7,444	2,414	22,23	2,587	1,229	12,95	
006.1099.SY	-	-	6,50	-	-	-	-	-	-	

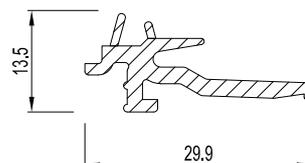
006.1066.XX



006.1067.XX

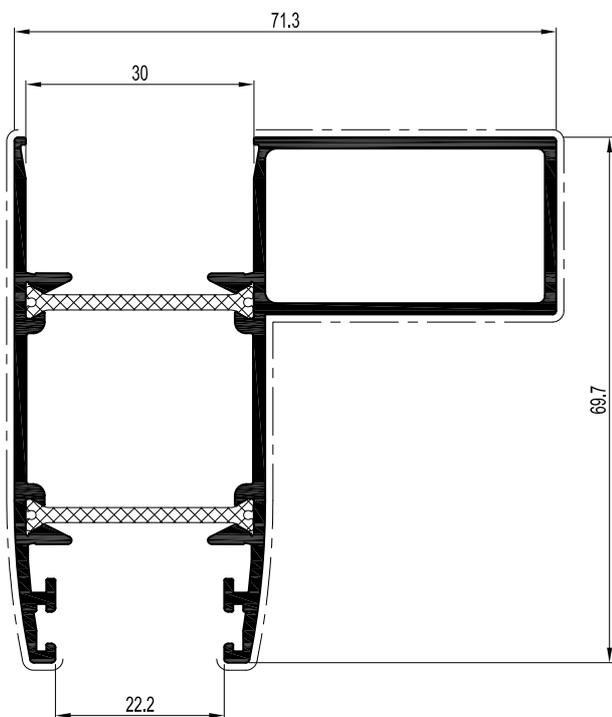


006.1099.SY

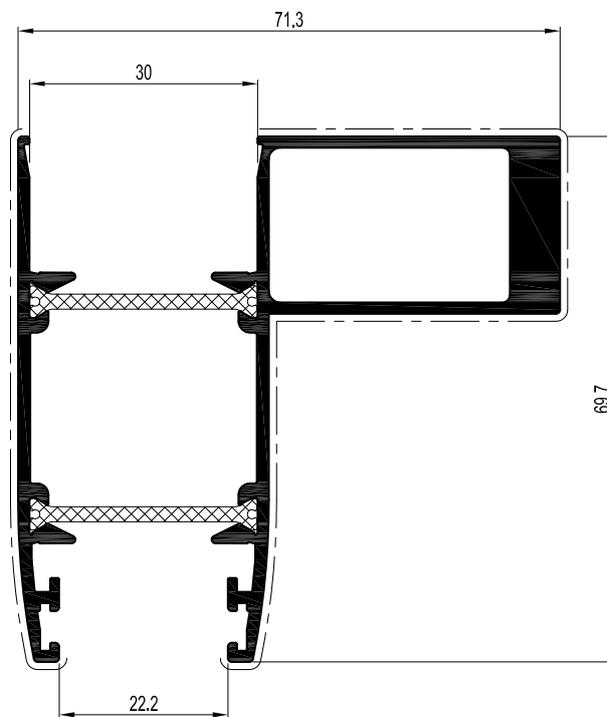


	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	L <sub>m</sub>	I <sub>x</sub> cm <sup>4</sup>	W <sub>x</sub> cm <sup>3</sup>	ax mm	I <sub>y</sub> cm <sup>4</sup>	W <sub>y</sub> cm <sup>3</sup>	ay mm	
006.0962.XX	36.66	22.4	6.50	17.994	4.310	29.55	19.463	4.802	29.15	Y X 0
006.0963.XX	36.66	22.4	6.50	27.021	7.356	36.74	22.390	5.106	25.83	
006.0965.XX	22.99	14.9	6.50	18.604	4.608	35.00	4.678	2.321	13.85	
006.0966.XX	22.99	14.9	6.50	26.089	5.517	28.08	5.469	2.835	14.71	

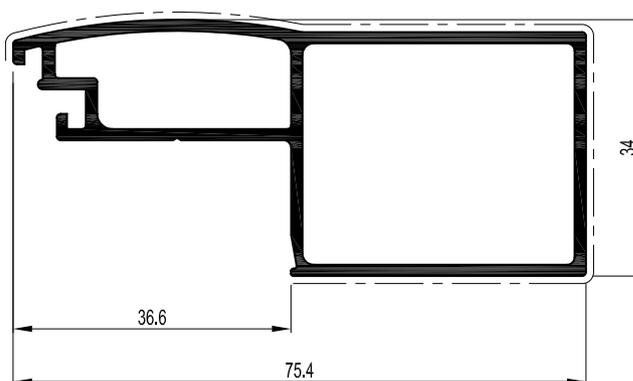
006.0962.XX



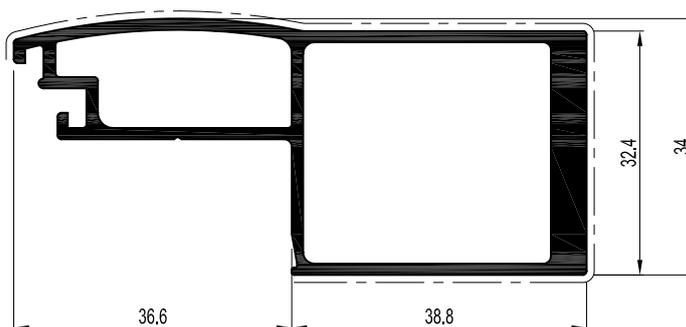
006.0963.XX



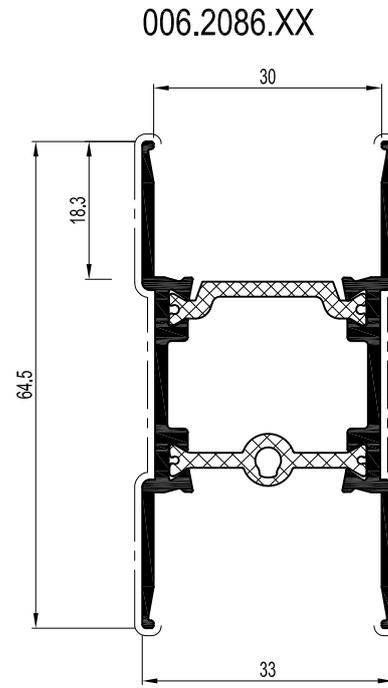
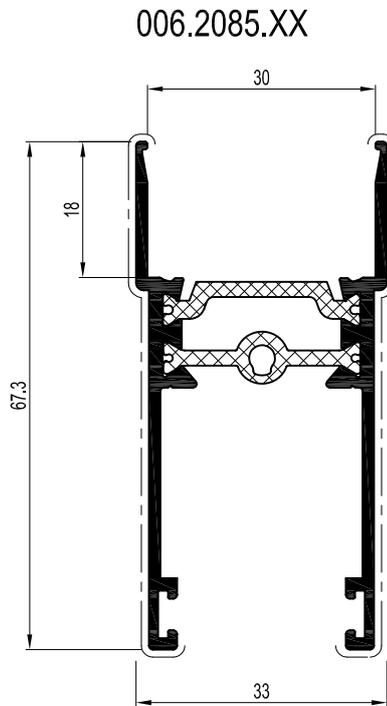
006.0965.XX



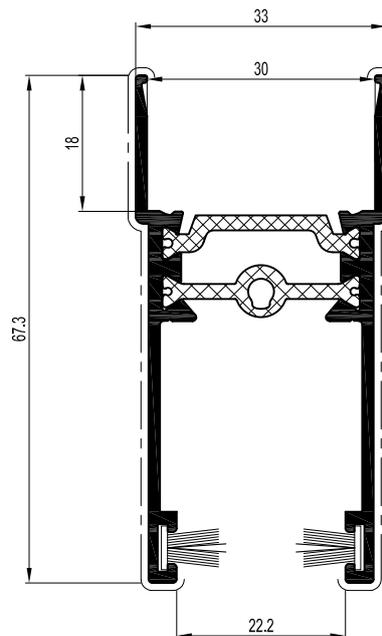
006.0966.XX



	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
006.2085.XX	30.20	14.5	6.50	3.898	2.362	16.50	9.033	2.661	33.39	
B06.2085.71	30.20	14.5	6.50	3.898	2.362	16.50	9.033	2.661	33.39	
006.2086.XX	24.20	13.5	6.50	3.982	2.413	16.50	6.901	2.139	21.26	

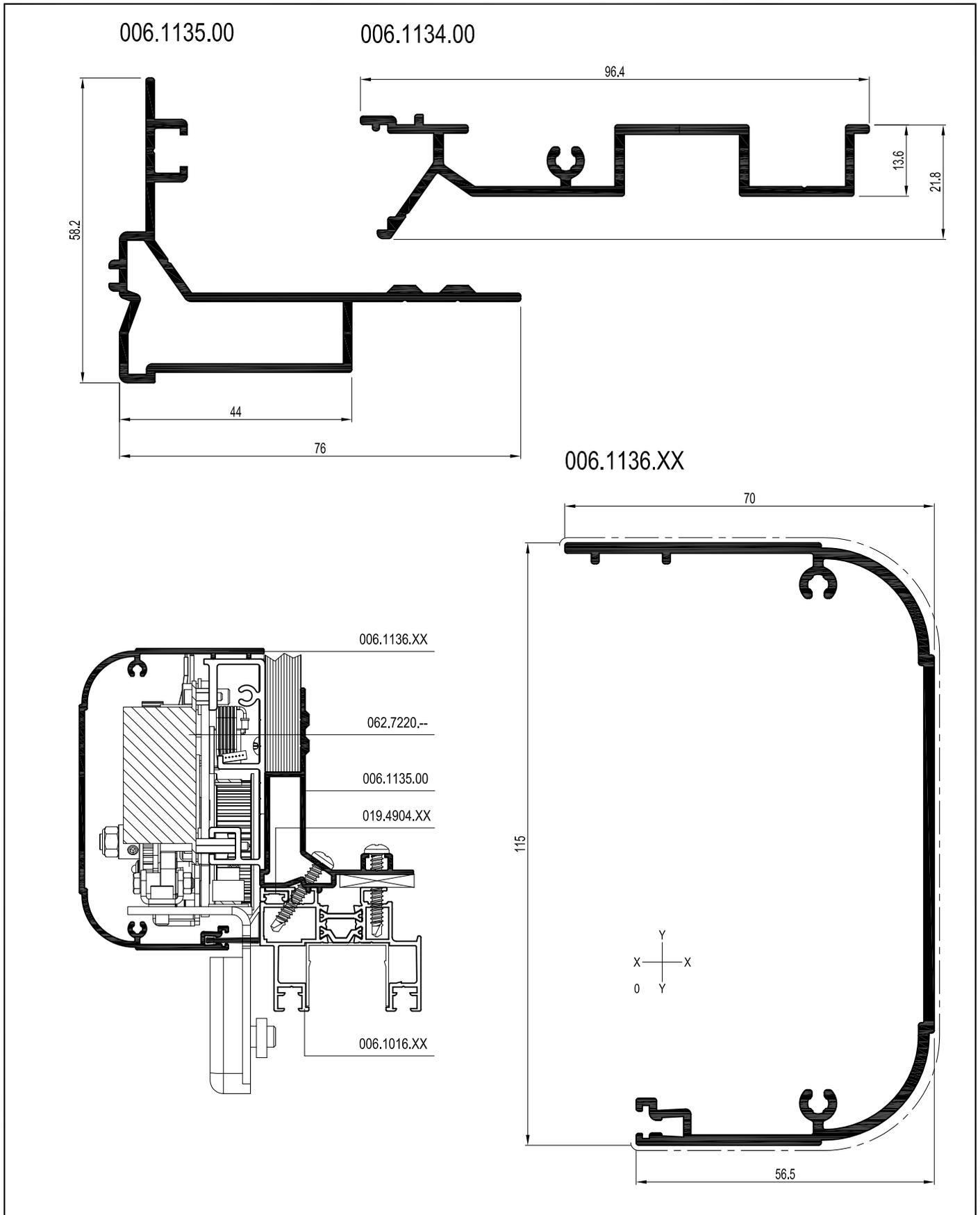


B06.2085.71



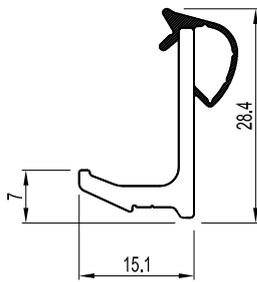
	006.2085.XX			006.2086.XX			B06.2085.71	
	052.5325.-- (x2)	---		052.5325.-- (x2)	--		052.5325.-- (x2)	---

	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	L <sub>m</sub>	I <sub>x</sub> cm <sup>4</sup>	W <sub>x</sub> cm <sup>3</sup>	a <sub>x</sub> mm	I <sub>y</sub> cm <sup>4</sup>	W <sub>y</sub> cm <sup>3</sup>	a <sub>y</sub> mm	X Y 0
006.1134.00	-	-	6.50	1.002	0.712	14.06	25.688	5.023	45.26	X Y 0
006.1135.00	30.15	-	6.50	7.366	1.881	19.03	16.961	3.265	26.05	X Y 0
006.1136.XX	54.92	22.5	6.50	110.895	18.880	58.74	21.876	4.498	48.64	X Y 0

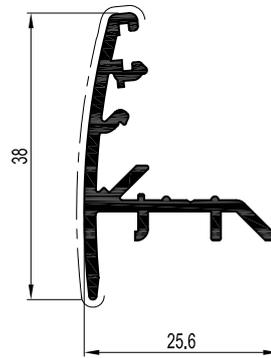


	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	$a_x$ mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	$a_y$ mm	
006.1054.XX	18,50	4,9	6,50	0,607	0,322	18,86	1,192	0,585	17,62	
006.1080.17	6,60	-	6,50	0,015	0,049	3,11	0,601	0,448	13,40	
011.5135.SY	-	-	6,50	-	-	-	-	-	-	

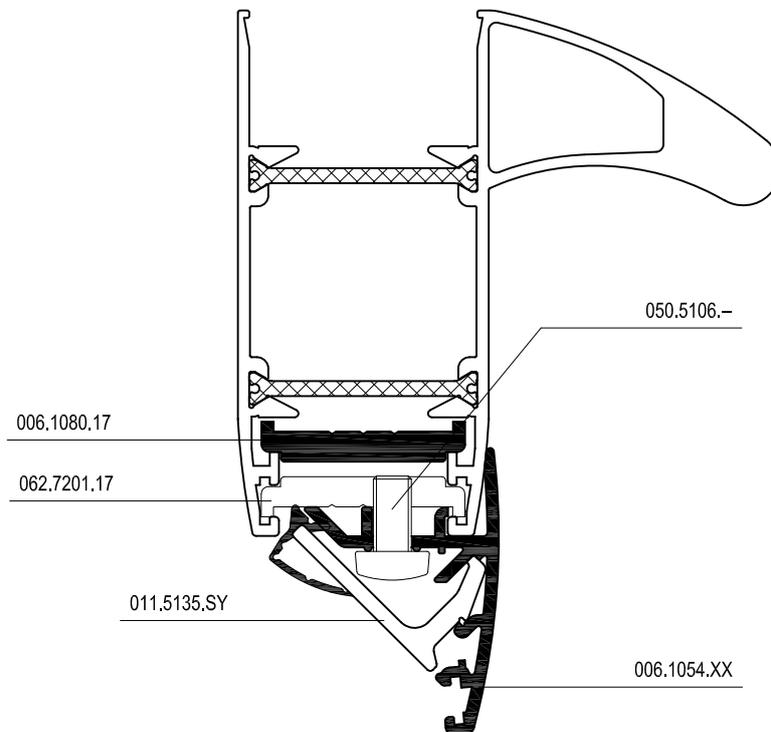
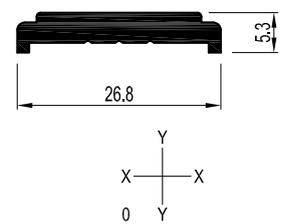
011.5135.SY



006.1054.XX



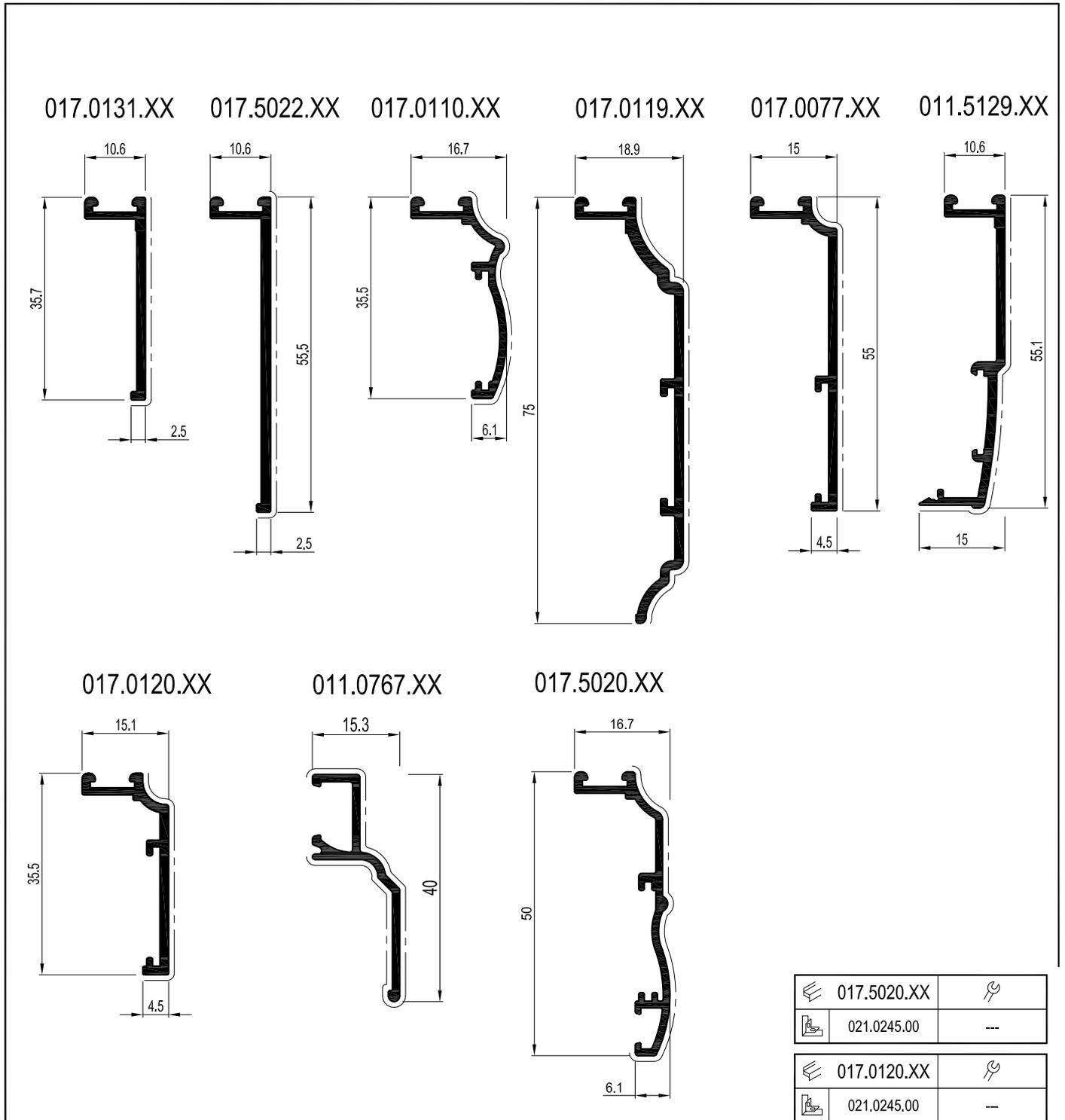
006.1080.17





A large rectangular area containing four sets of horizontal lines for writing. Each set consists of a solid top line, a dashed middle line, and a solid bottom line, providing a guide for handwriting.

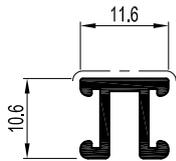
	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	Lm	Ix cm <sup>4</sup>	Wx cm <sup>3</sup>	ax mm	Iy cm <sup>4</sup>	Wy cm <sup>3</sup>	ay mm	
011.0767.XX	12.47	9.0	6.50	1.073	0.456	16.45	0.198	0.218	6.22	
011.5129.XX	17.44	6.6	6.50	0.133	0.115	3.43	4.136	1.497	27.48	
017.0077.XX	15.99	5.8	6.50	3.720	1.214	30.66	0.171	0.140	2.87	
017.0110.XX	12.27	4.3	6.50	1.034	0.491	21.07	0.165	0.143	11.55	
017.0119.XX	20.61	10.4	6.50	0.350	0.239	14.66	8.481	2.020	41.97	
017.0120.XX	12.03	3.8	6.50	1.128	0.550	20.51	0.152	0.132	11.48	
017.0131.XX	10.12	3.8	6.50	0.928	0.441	21.06	0.061	0.072	8.44	
017.5020.XX	16.61	5.8	6.50	2.770	0.734	12.23	0.184	0.067	27.53	
017.5022.XX	14.04	5.8	6.50	0.066	0.074	8.87	3.375	1.089	24.51	



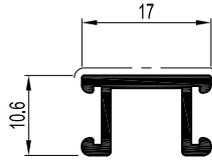
	011.5129.XX			017.0077.XX			017.0110.XX			017.0119.XX	
	060.8724.00	---		021.0245.00	--		021.0245.00	--		021.0245.00	--
	017.5020.XX			017.0120.XX			017.5020.XX			017.0131.XX	
	021.0245.00	--		021.0245.00	--		021.0245.00	--		021.0245.00	--

	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	L <sub>m</sub>	I <sub>x</sub> cm <sup>4</sup>	W <sub>x</sub> cm <sup>3</sup>	ax mm	I <sub>y</sub> cm <sup>4</sup>	W <sub>y</sub> cm <sup>3</sup>	ay mm	
006.1040.XX	13.00	6.1	6.50	0.999	0.635	12.83	0.846	0.368	22.98	
006.1053.79	14.00	6.1	6.50	0.562	0.384	13.46	0.998	0.698	14.30	
006.1075.--	-	-	6.50	0.028	0.043	6.42	0.008	0.033	2.58	
006.1076.17	0.93	-	6.50	0.039	0.055	7.05	0.011	0.038	2.80	
006.1077.04	-	-	6.50	-	-	-	-	-	-	
017.0210.XX	7.60	1.2	6.50	0.070	0.118	4.65	0.058	0.100	5.80	
017.0219.XX	8.70	1.7	6.50	0.082	0.125	6.53	0.183	0.215	8.50	
019.4904.XX	3.90	0.6	6.50	0.004	0.014	2.72	0.034	0.058	4.77	
049.5110.XX	16.59	13.3	5.80	0.188	0.325	5.21	1.511	0.652	18.64	

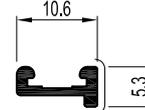
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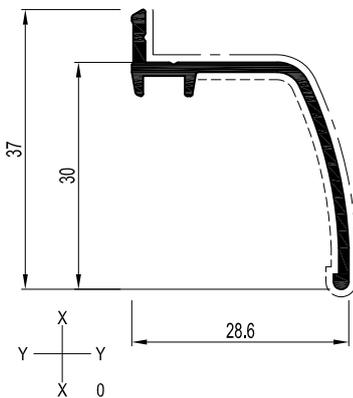
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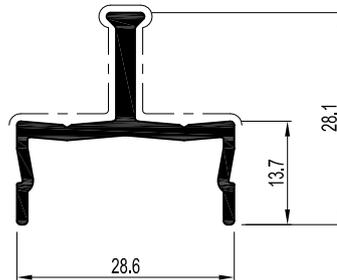
019.4904.XX



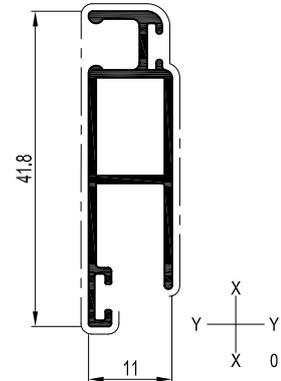
006.1040.XX



006.1053.79

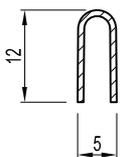


049.5110.XX



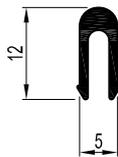
006.1075.--

Rail inox  
Stainless steel rail



006.1076.17

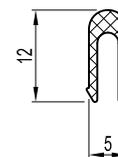
Rail alu  
Alu rail



(anodisé uniquement)  
(anodised only)

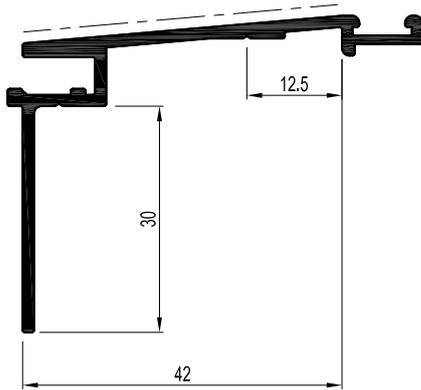
006.1077.04

Rail polyamide  
Polyamide rail

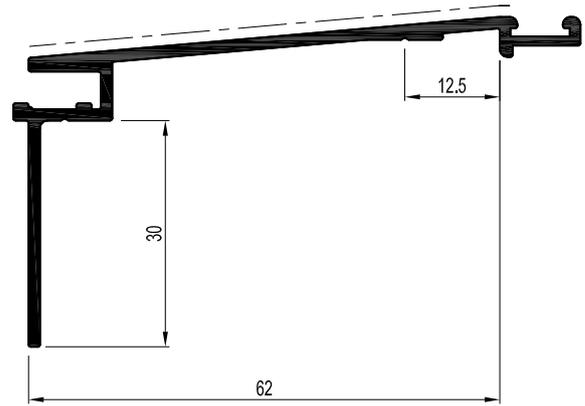


	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	Lm	Ix cm <sup>4</sup>	Wx cm <sup>3</sup>	ax mm	Iy cm <sup>4</sup>	Wy cm <sup>3</sup>	ay mm	
017.0189.XX	22.21	4.8	6.50	2.178	0.687	31.71	5.036	1.387	36.31	
017.0190.XX	-	10.2	6.50	2.527	0.755	33.48	12.024	2.488	26.28	
017.0193.XX	39.15	15.8	6.50	1.487	0.592	25.14	47.355	6.191	57.32	
017.0197.XX	10.63	3.7	6.50	0.224	0.173	12.99	0.785	0.425	18.49	
017.0198.XX	19.00	7.3	6.50	0.613	0.322	19.05	0.006	1.729	34.70	

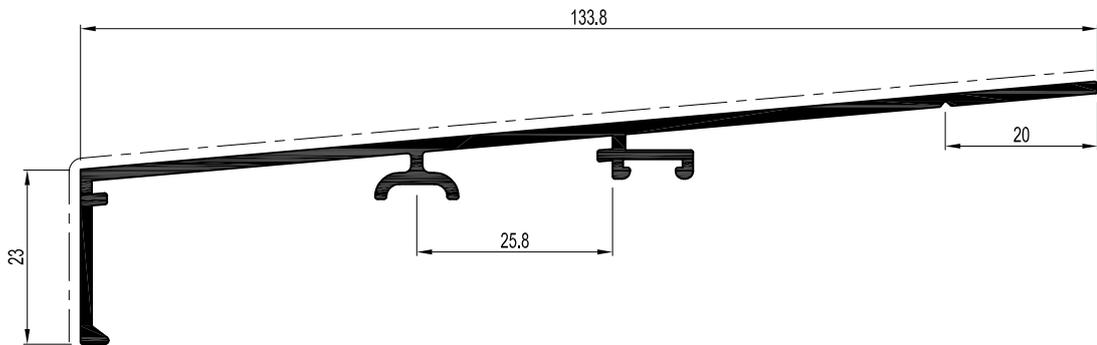
017.0189.XX



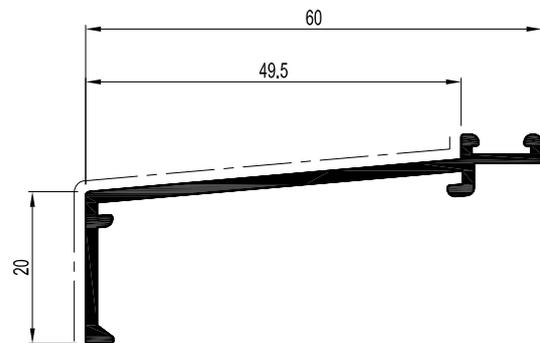
017.0190.XX



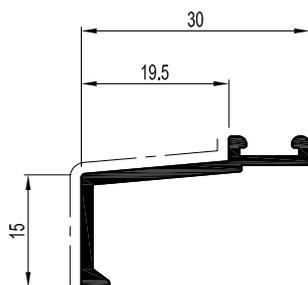
017.0193.XX



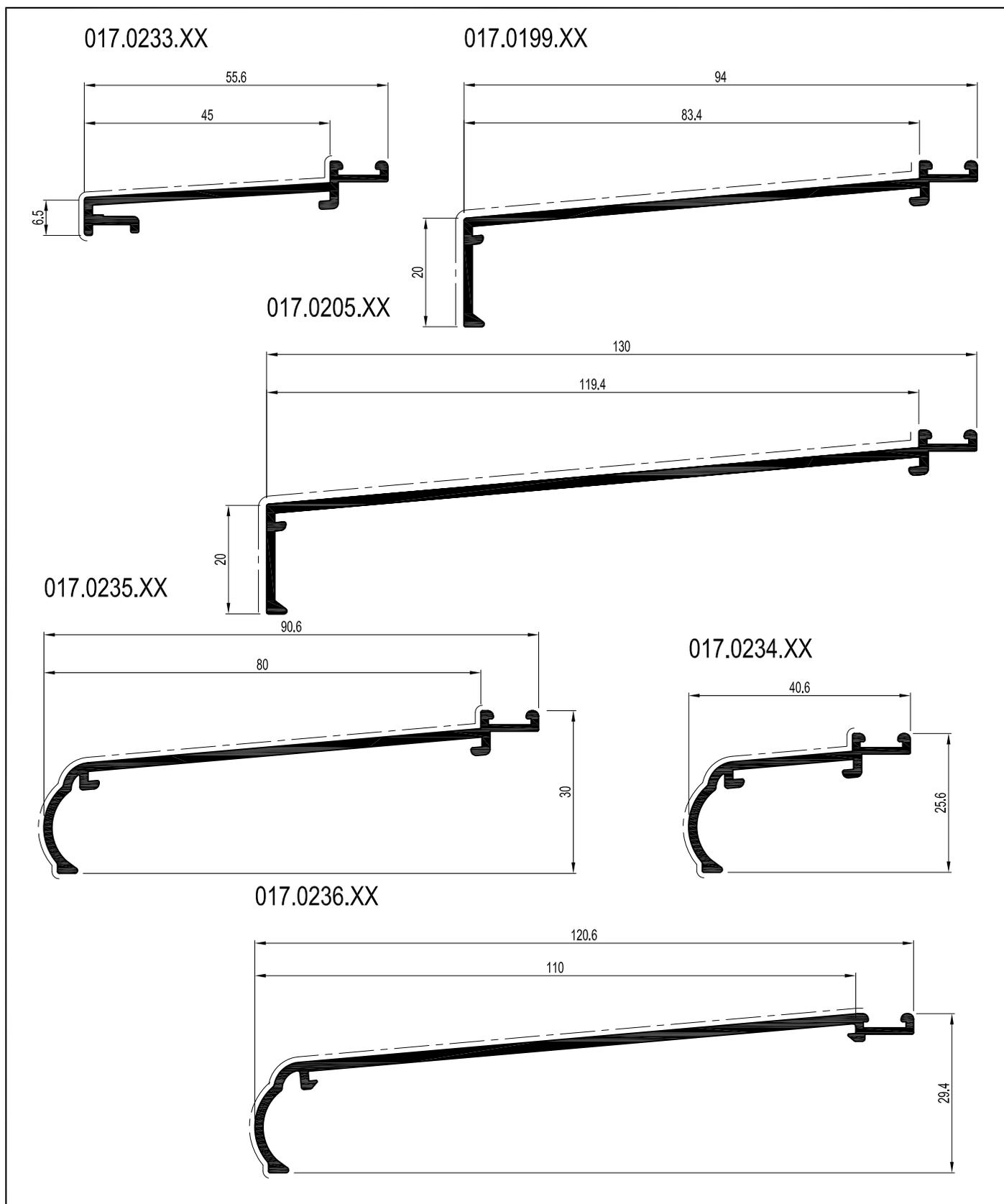
017.0198.XX



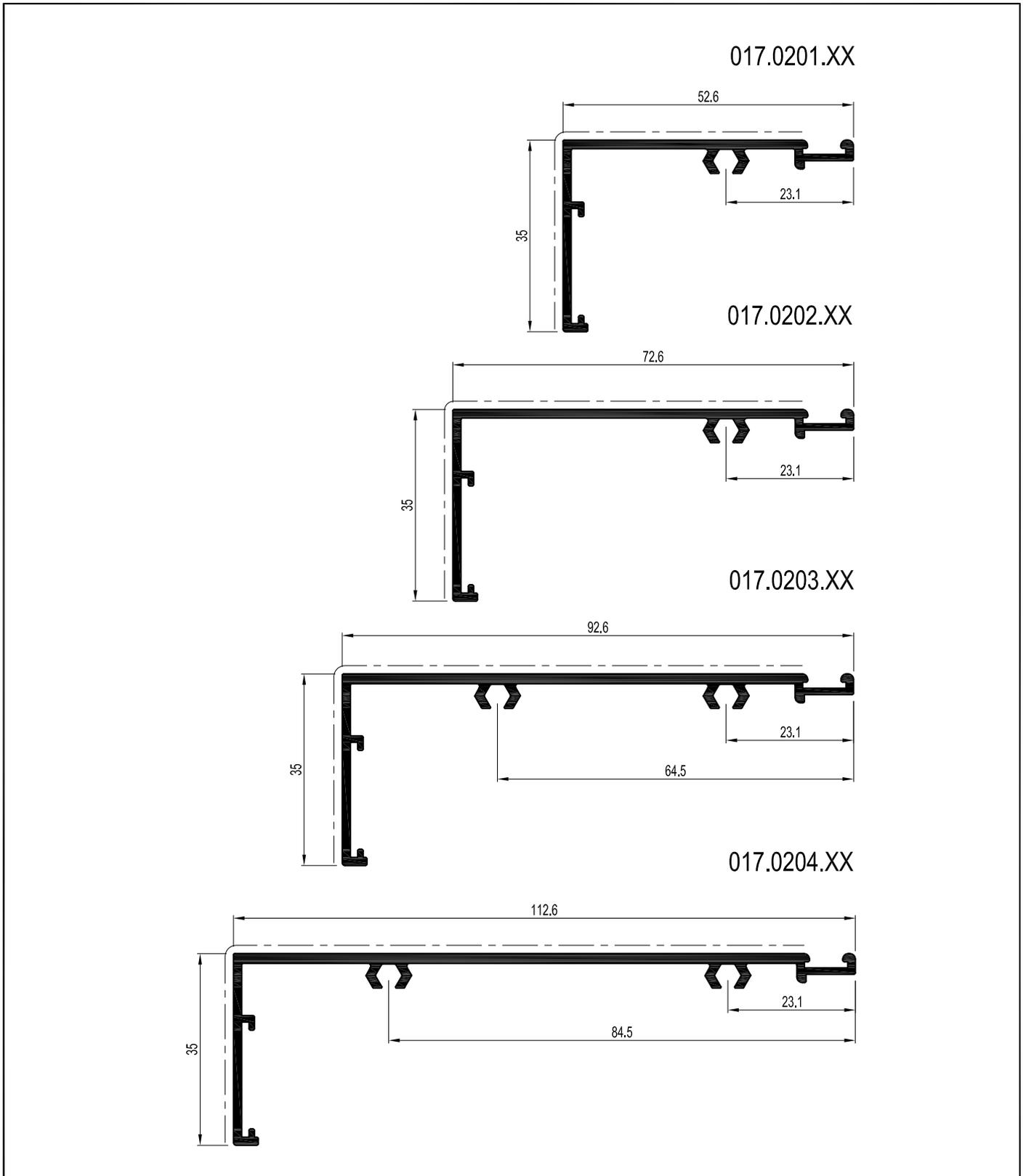
017.0197.XX



	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	L <sub>m</sub>	I <sub>x</sub> cm <sup>4</sup>	W <sub>x</sub> cm <sup>3</sup>	ax mm	I <sub>y</sub> cm <sup>4</sup>	W <sub>y</sub> cm <sup>3</sup>	ay mm	
017.0199.XX	25.81	10.7	6.50	0.843	0.399	21.15	19.870	3.816	41.93	
017.0205.XX	33.06	14.3	6.50	1.202	0.517	23.26	48.536	6.900	59.66	
017.0233.XX	16.90	5.6	6.50	0.101	0.139	7.27	4.063	1.365	25.84	
017.0234.XX	15.00	5.0	6.50	0.495	0.291	16.99	1.893	0.798	23.72	
017.0235.XX	25.06	10.0	6.50	0.833	0.406	20.53	17.251	3.468	49.74	
017.0236.XX	30.26	12.8	6.50	1.006	0.459	21.92	37.060	5.642	65.69	

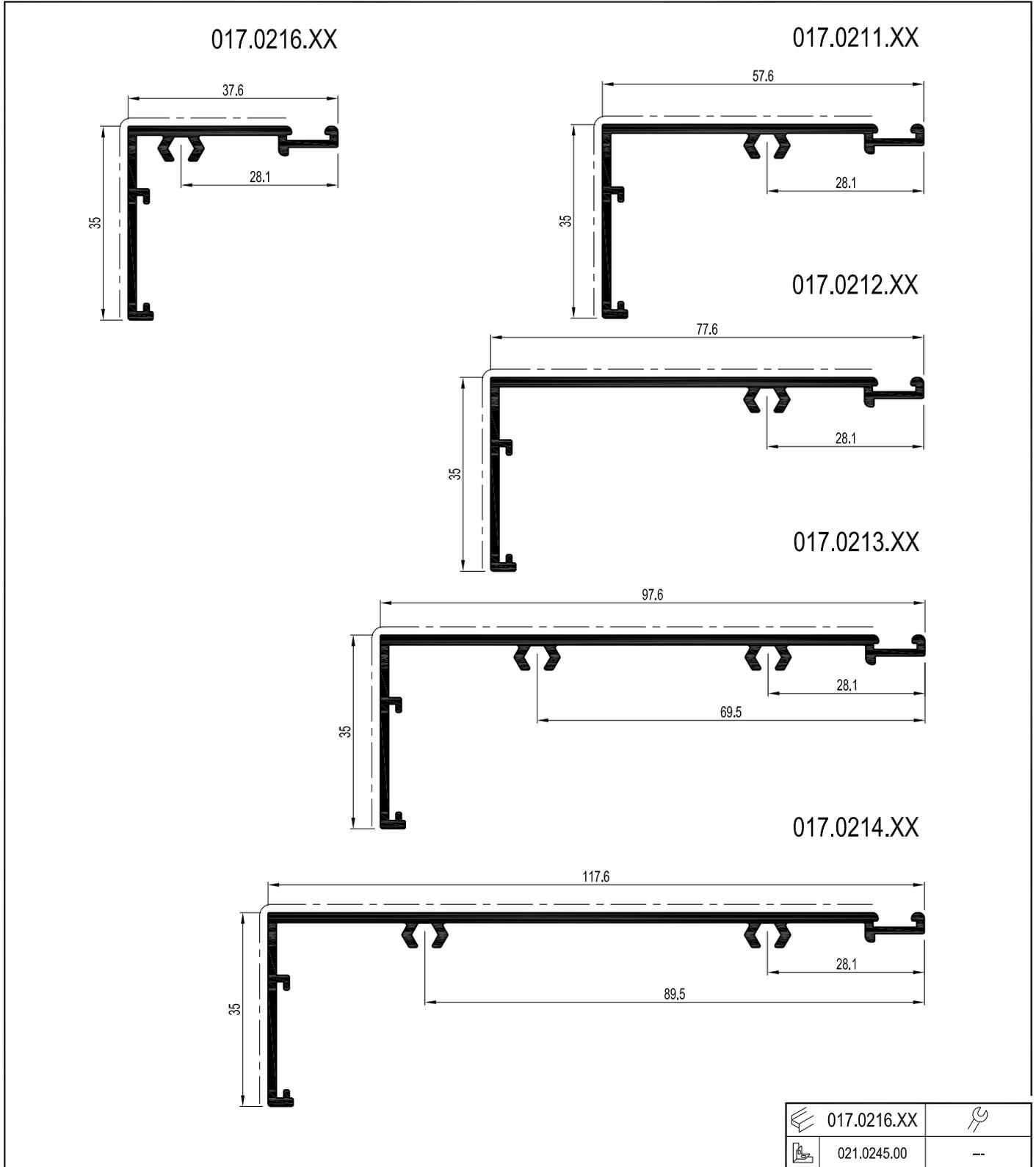


	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	Lm	Ix cm <sup>4</sup>	Wx cm <sup>3</sup>	ax mm	Iy cm <sup>4</sup>	Wy cm <sup>3</sup>	ay mm	
017.0201.XX	22.30	7.9	6.50	1.856	0.688	26.99	5.046	1.477	18.44	
017.0202.XX	26.30	9.9	6.50	1.996	0.709	28.15	12.080	2.700	27.87	
017.0203.XX	32.12	11.9	6.50	2.133	0.727	29.36	24.151	4.355	37.14	
017.0204.XX	36.12	13.9	6.50	2.205	0.737	29.93	41.070	6.206	46.42	



	017.0201.XX			017.0202.XX			017.0203.XX			017.0204.XX	
	021.0245.00	---		021.0245.00	---		021.0245.00	--		021.0245.00	--

	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	Lm	Ix cm <sup>4</sup>	Wx cm <sup>3</sup>	ax mm	Iy cm <sup>4</sup>	Wy cm <sup>3</sup>	ay mm	
017.0211.XX	23.26	8.9	6.50	1.896	0.694	27.32	6.279	1.684	20.31	
017.0212.XX	27.29	10.4	6.50	2.040	0.715	28.53	14.343	3.015	30.03	
017.0213.XX	33.07	12.4	6.50	2.153	0.729	29.51	27.316	4.672	39.14	
017.0214.XX	37.06	14.3	6.50	2.221	0.739	30.05	45.475	6.580	48.49	
017.0216.XX	19.34	6.4	6.50	1.713	0.663	25.82	1.987	0.746	10.97	



	017.0216.XX	
	021.0245.00	--

	017.0211.XX	
	021.0245.00	--

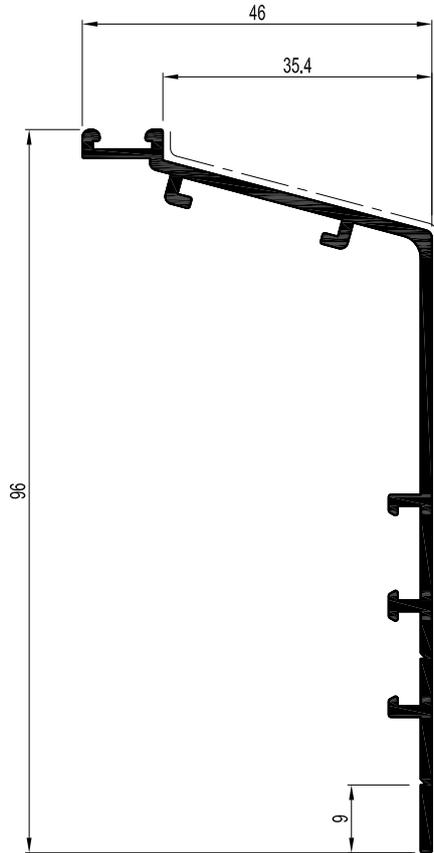
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	021.0245.00	--

	017.0213.XX	
	021.0245.00	--

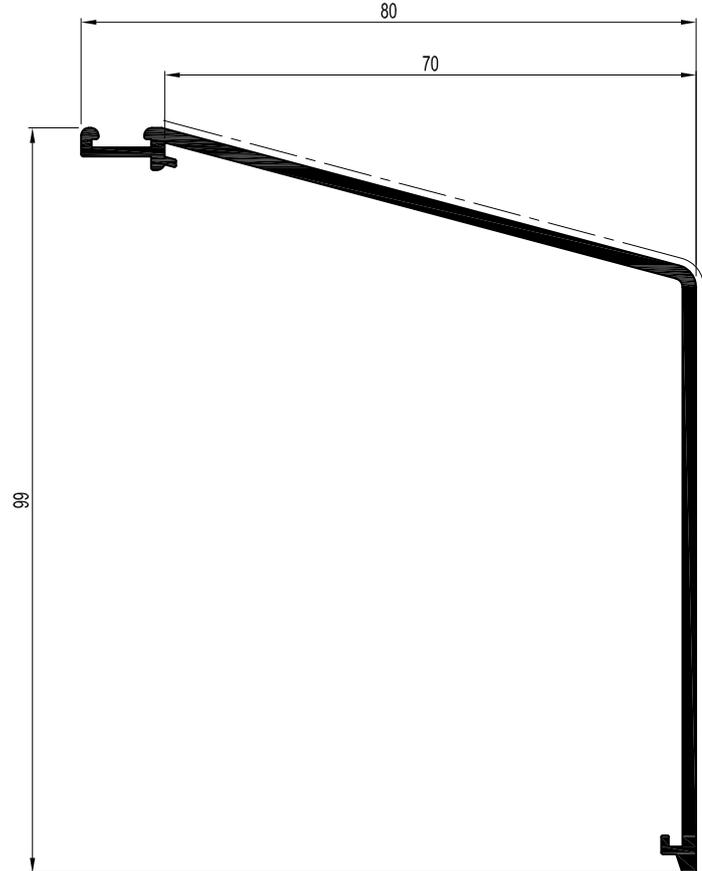
	017.0214.XX	
	021.0245.00	---

	A dm <sup>2</sup> /m	P dm <sup>2</sup> /m	Lm	Ix cm <sup>4</sup>	Wx cm <sup>3</sup>	ax mm	Iy cm <sup>4</sup>	Wy cm <sup>3</sup>	ay mm	
017.0127.XX	32.97	12.3	6.50	20.830	3.544	58.77	4.778	1.344	35.54	
017.0128.XX	13.00	4.9	6.50	2.940	1.020	5.48	1.480	0.520	25.17	
017.0129.XX	19.23	6.9	6.50	2.539	0.940	13.89	1.450	0.519	27.94	
017.5003.XX	35.06	15.2	6.50	28.875	4.456	64.81	21.672	3.699	58.59	

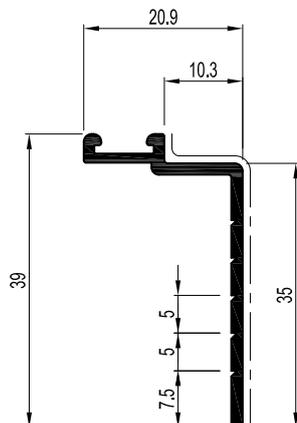
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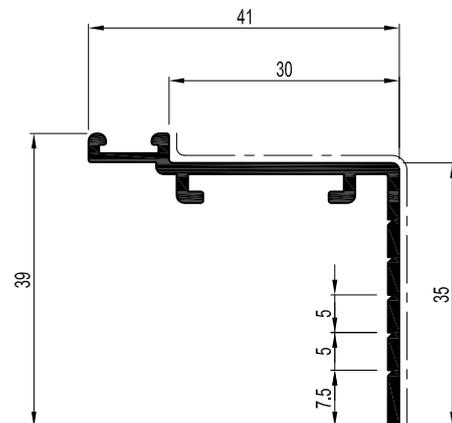
017.5003.XX



017.0128.XX



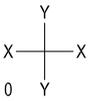
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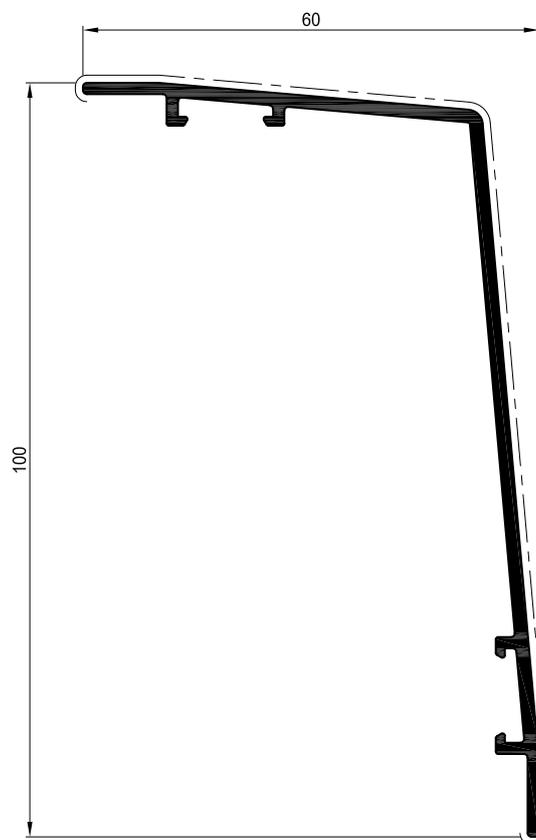
# CP 50

PROFILE COMPLEMENTAIRE  
ADDITIONAL PROFILE



	$A$ dm <sup>2</sup> /m	$P$ dm <sup>2</sup> /m	$L_m$	$I_x$ cm <sup>4</sup>	$W_x$ cm <sup>3</sup>	ax mm	$I_y$ cm <sup>4</sup>	$W_y$ cm <sup>3</sup>	ay mm	
017.5019.XX	33.06	15.2	6.50	29.420	5.323	44.73	7.870	1.217	64.69	X 0 Y

017.5019.XX

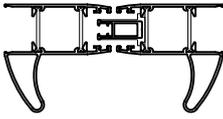
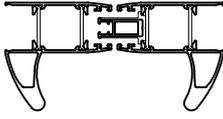




Montants centraux / Central vents			
	Aperçu / Overview	Profilés / Profiles	I(x) cm <sup>4</sup>
(A)	 Exterieur Outside  Interieur Inside	006.1064.XX + 006.1064.XX	9.29
(B)	 Exterieur Outside  Interieur Inside	006.1064.XX + 006.1067.XX	12.09
(C)	 Exterieur Outside  Interieur Inside	006.1067.XX + 006.1066.XX ou / or 006.1067.XX + 006.0966.XX	31  33.52
(D)	 Exterieur Outside  Interieur Inside	006.1067.XX + 006.1067.XX	14.88

Montants centraux / Central vents			
	Aperçu / Overview	Profilés / Profiles	I(x) cm <sup>4</sup>
(E)	 Exterieur Outside  Interieur Inside	006.1067.XX + 006.1065.XX ou / or 006.1077.XX + 006.0965.XX	22.29  25.43
(F)	 Exterieur Outside  Interieur Inside	006.1065.XX + 006.1065.XX ou / or 006.0965.XX + 006.0965.XX	29.7  37.2
(G)	 Exterieur Outside  Interieur Inside	006.1066.XX + 006.1066.XX ou / or 006.0966.XX + 006.0966.XX	47.13  52.17

Montants latéraux Side vents			
	Aperçu / Overview	Profilés / Profiles	I(x) cm <sup>4</sup>
(I)	 Exterieur Outside  Interieur Inside	006.1061.XX + 006.1061.XX	9.66
(J)	 Exterieur Outside  Interieur Inside	006.1068.XX + 006.1068.XX	15.96

Montants latéraux Side vents			
	Aperçu / Overview	Profilés / Profiles	I(x) cm <sup>4</sup>
(K)	 Exterieur Outside  Interieur Inside	006.1062.XX + 006.1062.XX ou / or 006.0962.XX + 006.0962.XX	30  35.98
(L)	 Exterieur Outside  Interieur Inside	006.1063.XX + 006.1063.XX ou / or 006.0963.XX + 006.0963.XX	46.91  54.04

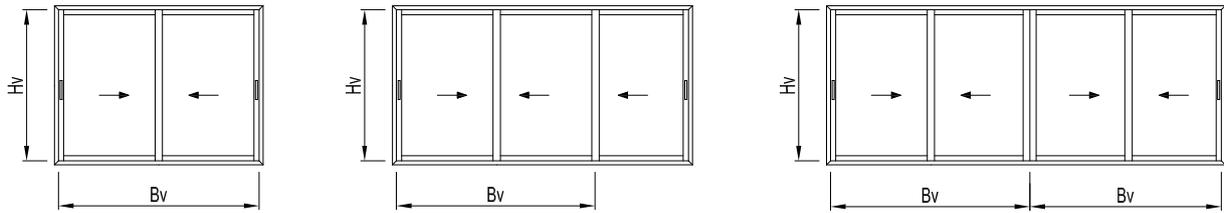
POIDS MAXI DU VANTAIL  
MAX WEIGHT OF THE VENT

voir pages 37F.f.016-017  
see pages 37F.f.016-017

**IMPORTANT**  
Au-delà d'une hauteur de 2.30 m, nous consulter.

**IMPORTANT**  
In case the height exceeds 2.30m, please contact us.



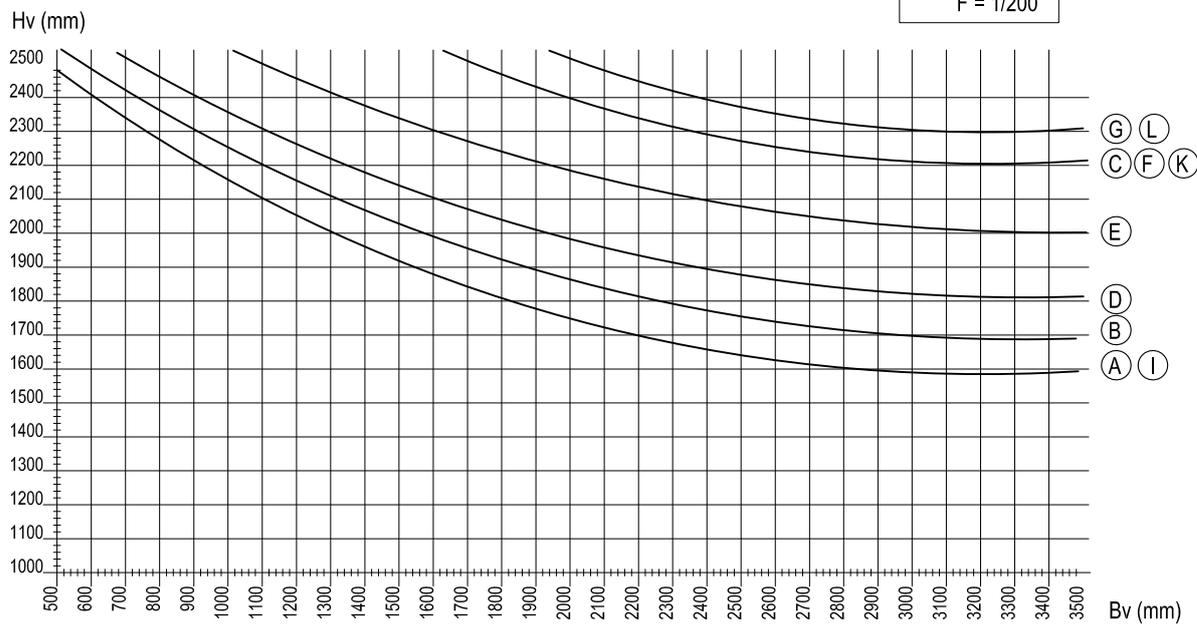


Bv = Largeur vantaux / Vent width  
 Hv = Hauteur vantaux / Vent height  
 P = Pression du vent / Wind pressure

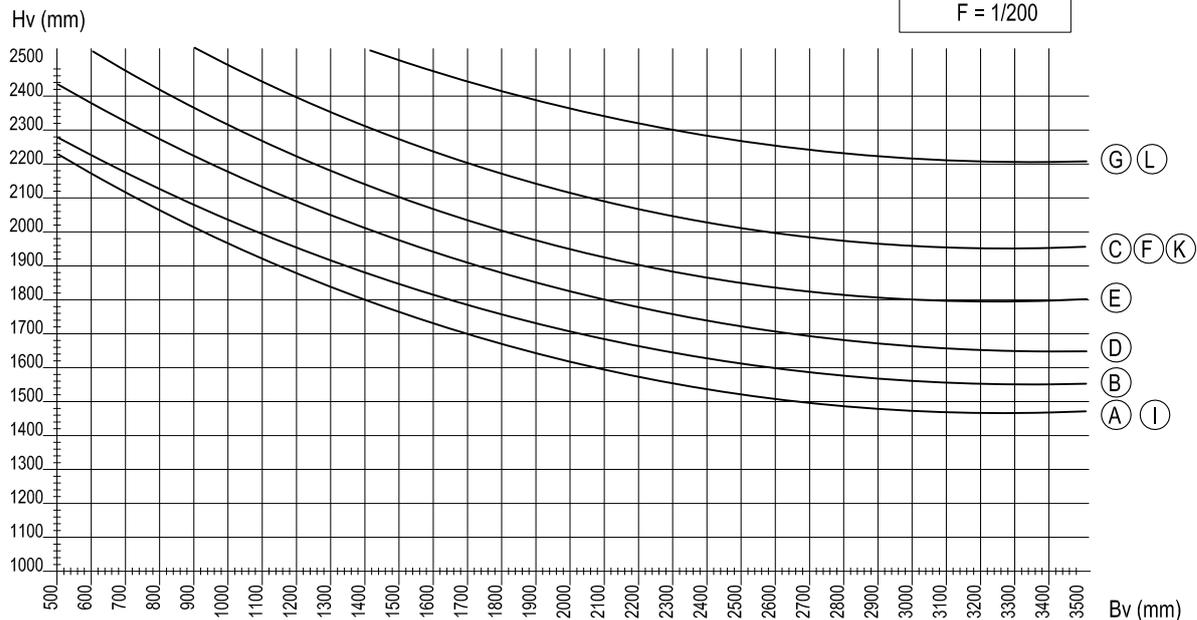
**IMPORTANT**  
 Au-delà d'une hauteur de 2.30 m, nous consulter.

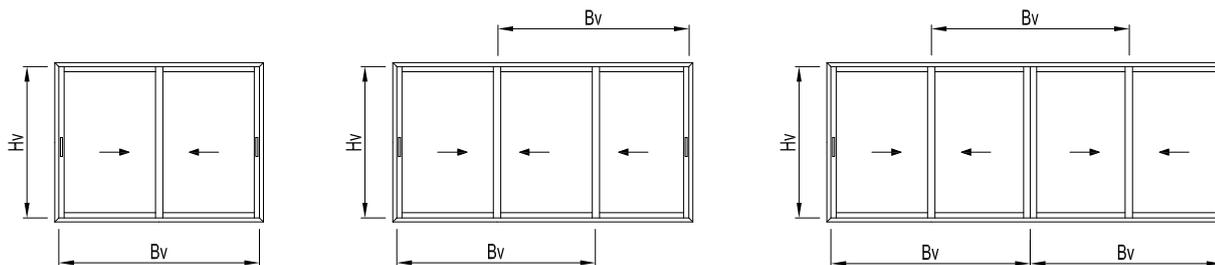
**IMPORTANT**  
 In case the height exceeds 2.30m, please contact us.

P = 800Pa  
 V2 F = 1/150  
 F = 1/200



P = 1200Pa  
 V3 F = 1/150  
 F = 1/200

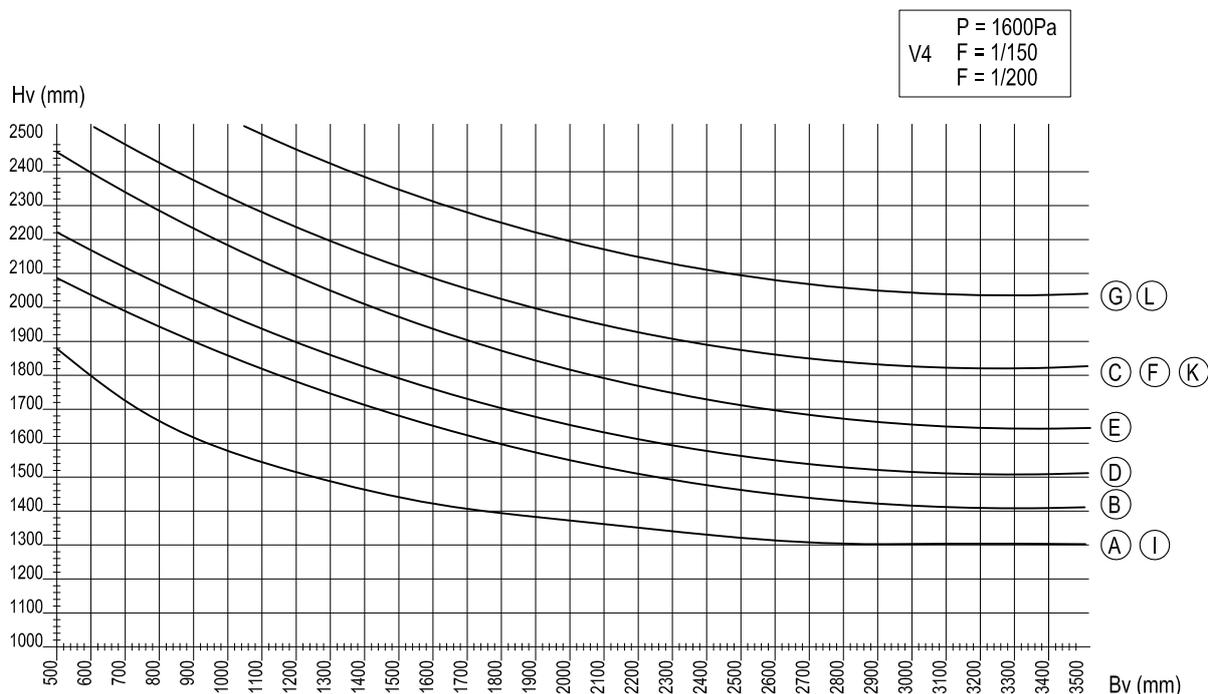




Bv = Anchura de hojas / Largeur vantaux / Vent width / Flügelbreite  
 Hv = Altura de hojas / Hauteur vantaux / Vent height / Flügelhöhe  
 P = Presión de viento / Pression du vent / Wind pressure / Winddruck

**IMPORTANT**  
 Au-delà d'une hauteur de 2.30 m, nous consulter.

**IMPORTANT**  
 In case the height exceeds 2.30m, please contact us.



D1000383

**d**

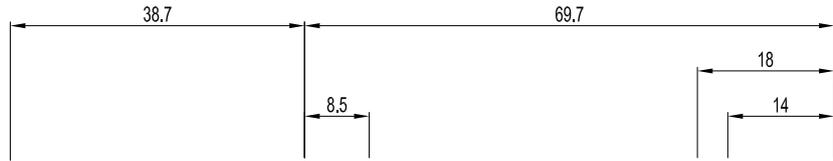
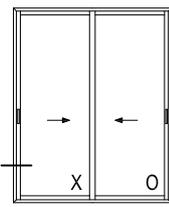
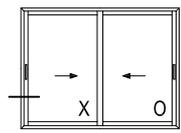
Doorsnedetekeningen

Sections des noeuds

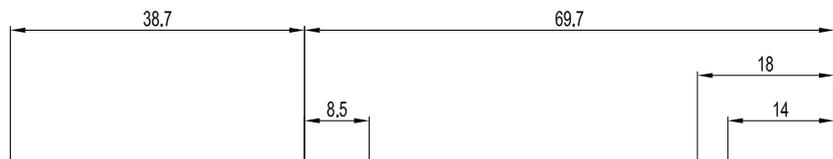
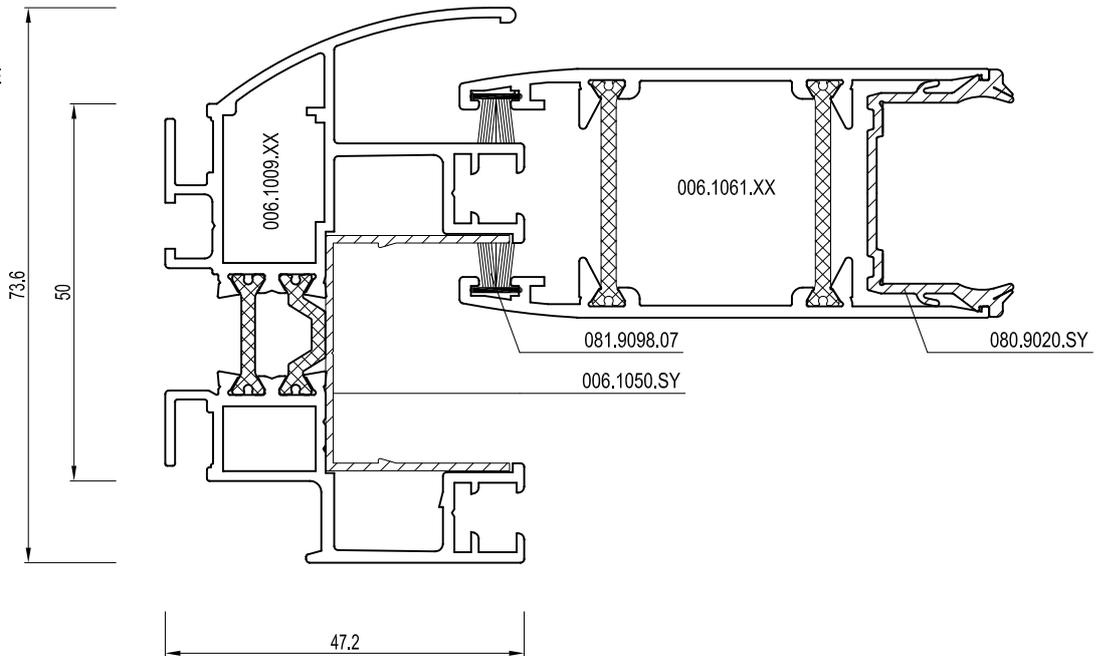
Section drawings

Profilkombinationen

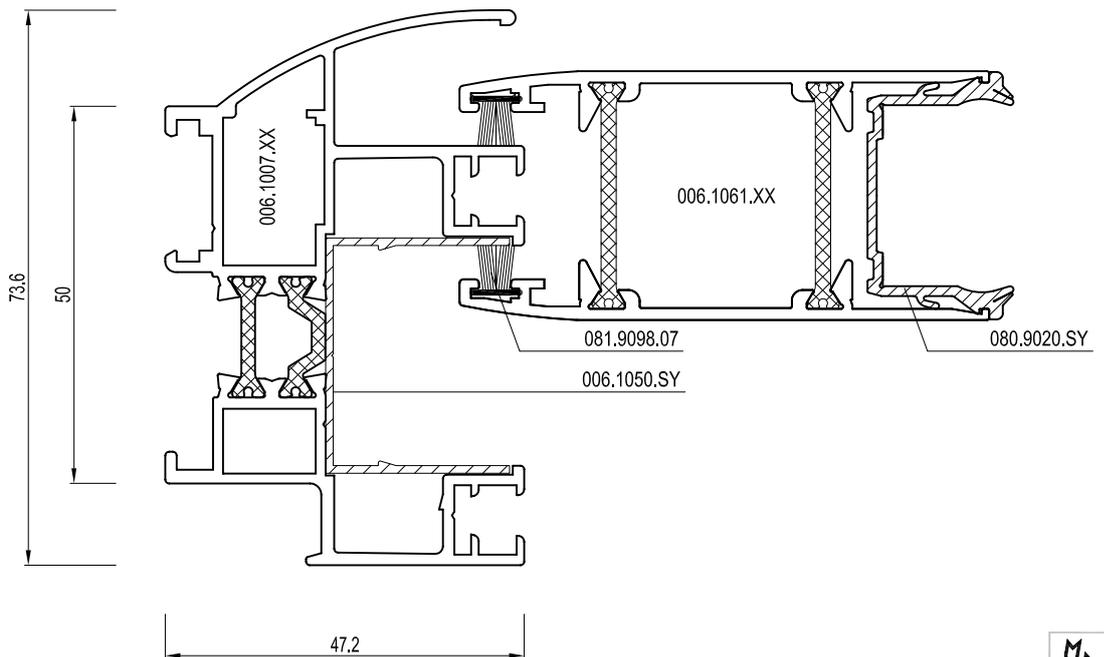




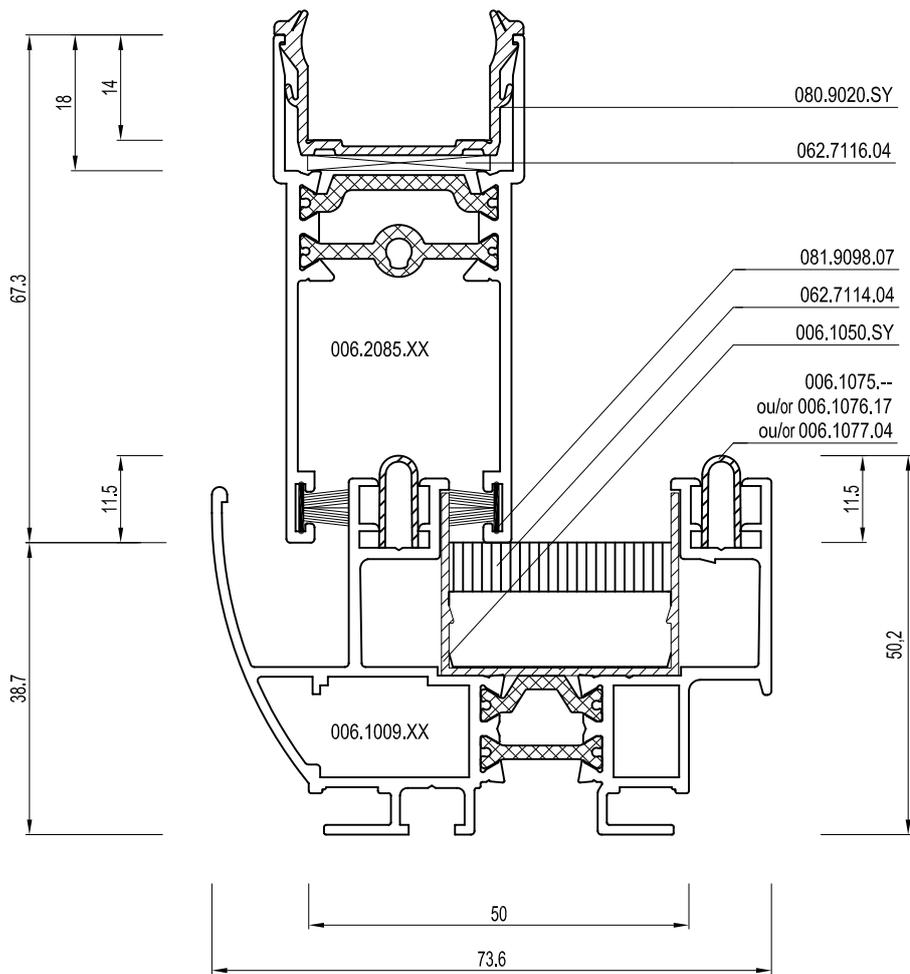
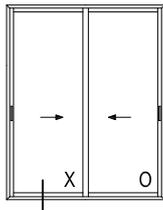
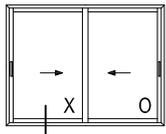
DORMANT STRUCTURE  
 OUTER FRAME STRUCTURE



DORMANT SYSTEME  
 OUTER FRAME SYSTEM



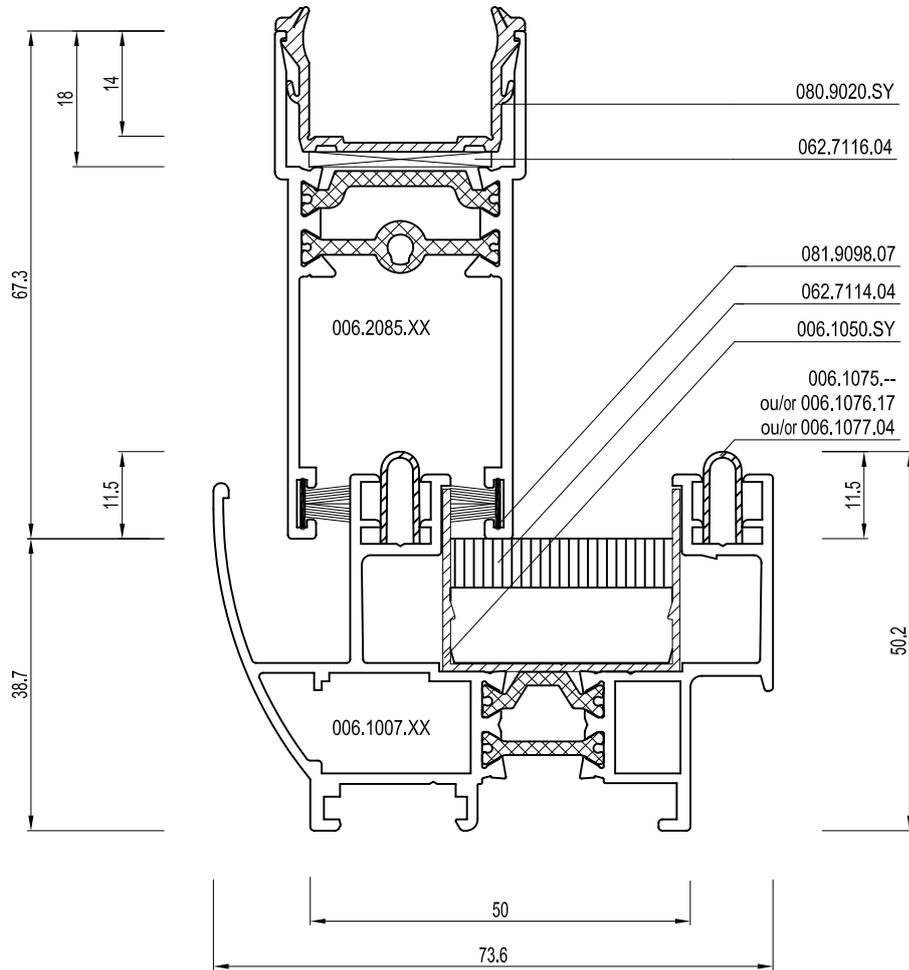
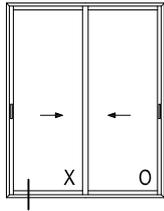
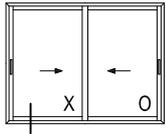
D1000391



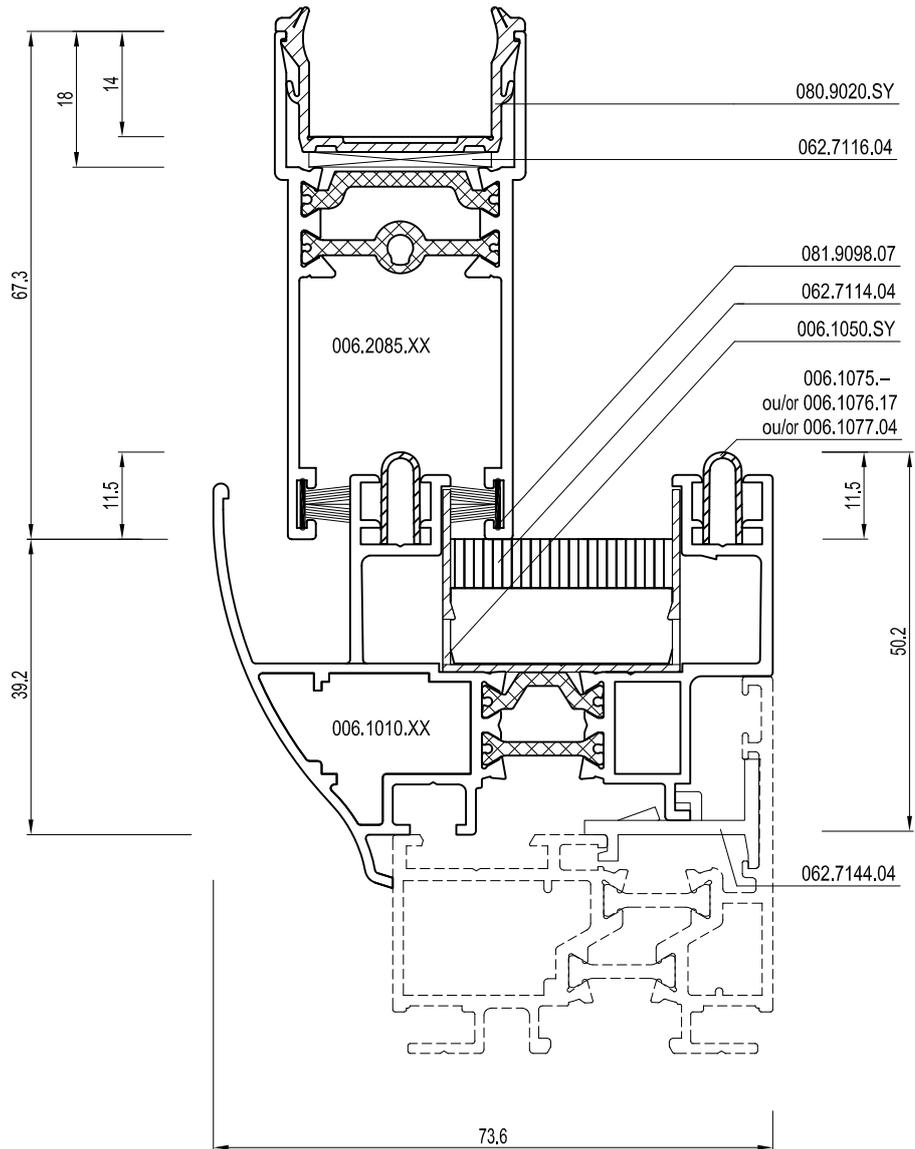
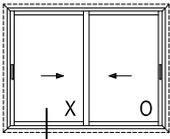
DORMANT STRUCTURE  
 OUTER FRAME STRUCTURE

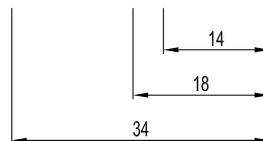
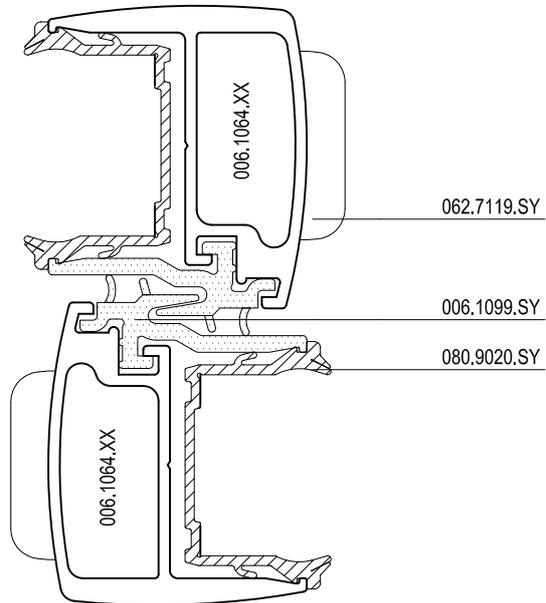
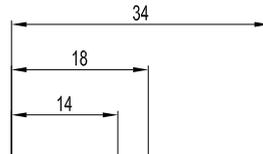
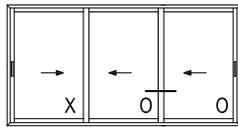
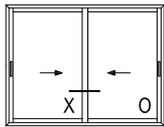


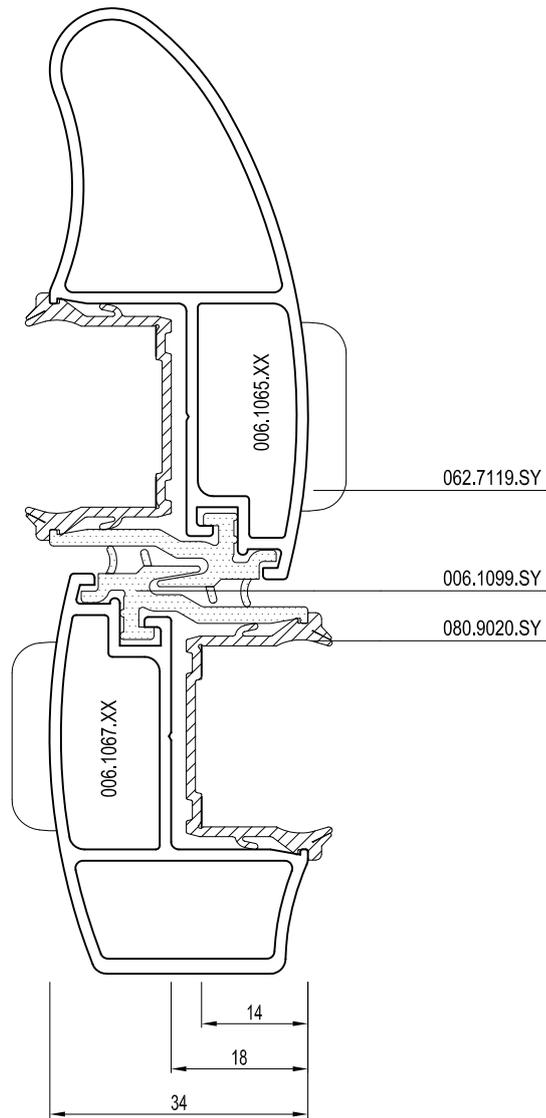
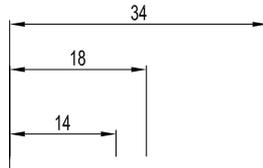
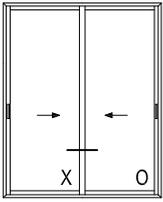
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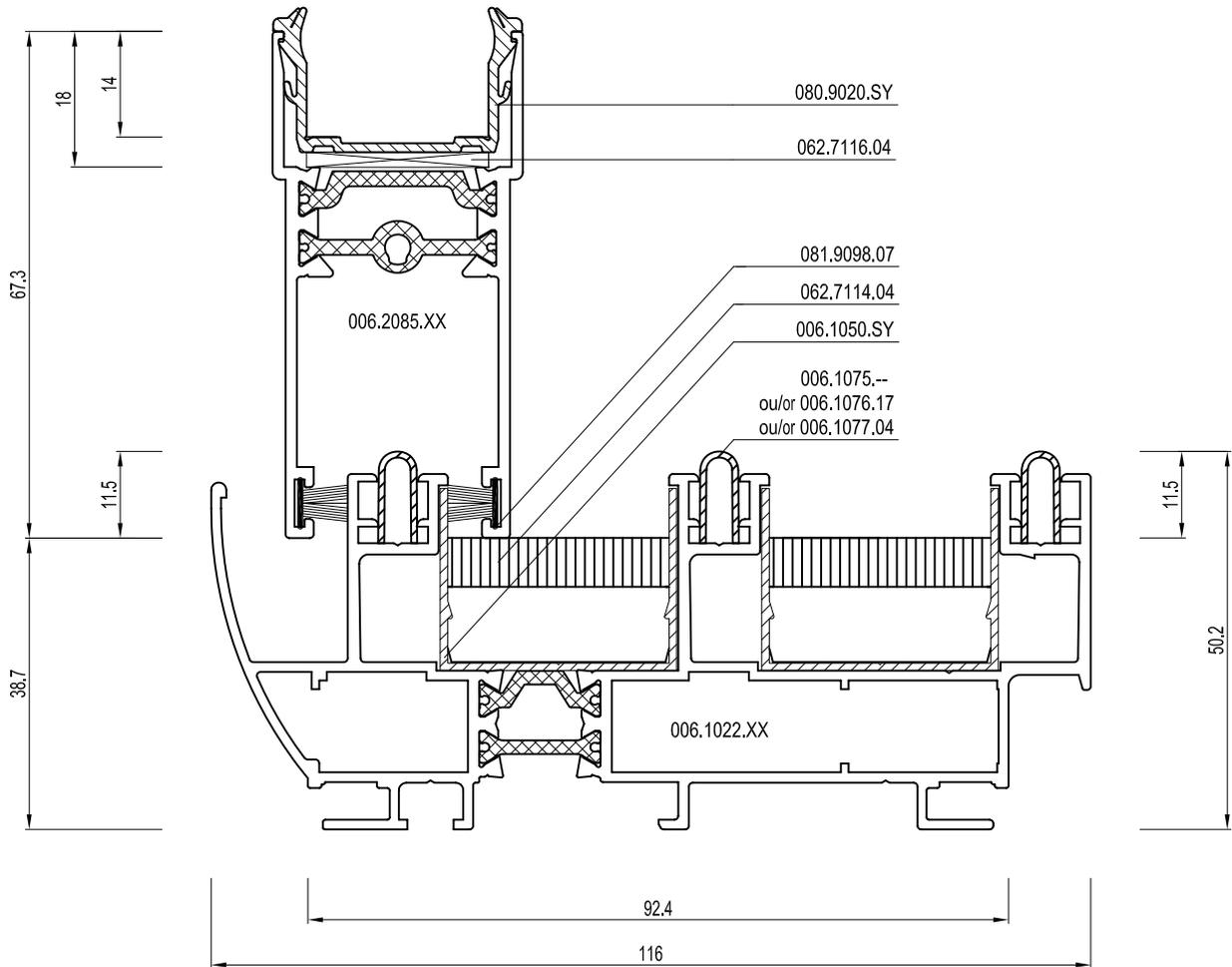
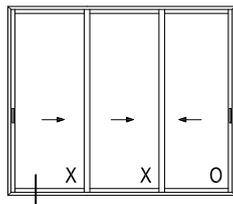
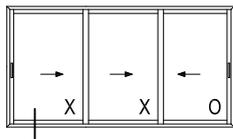
DORMANT SYSTEME  
 OUTER FRAME SYSTEM

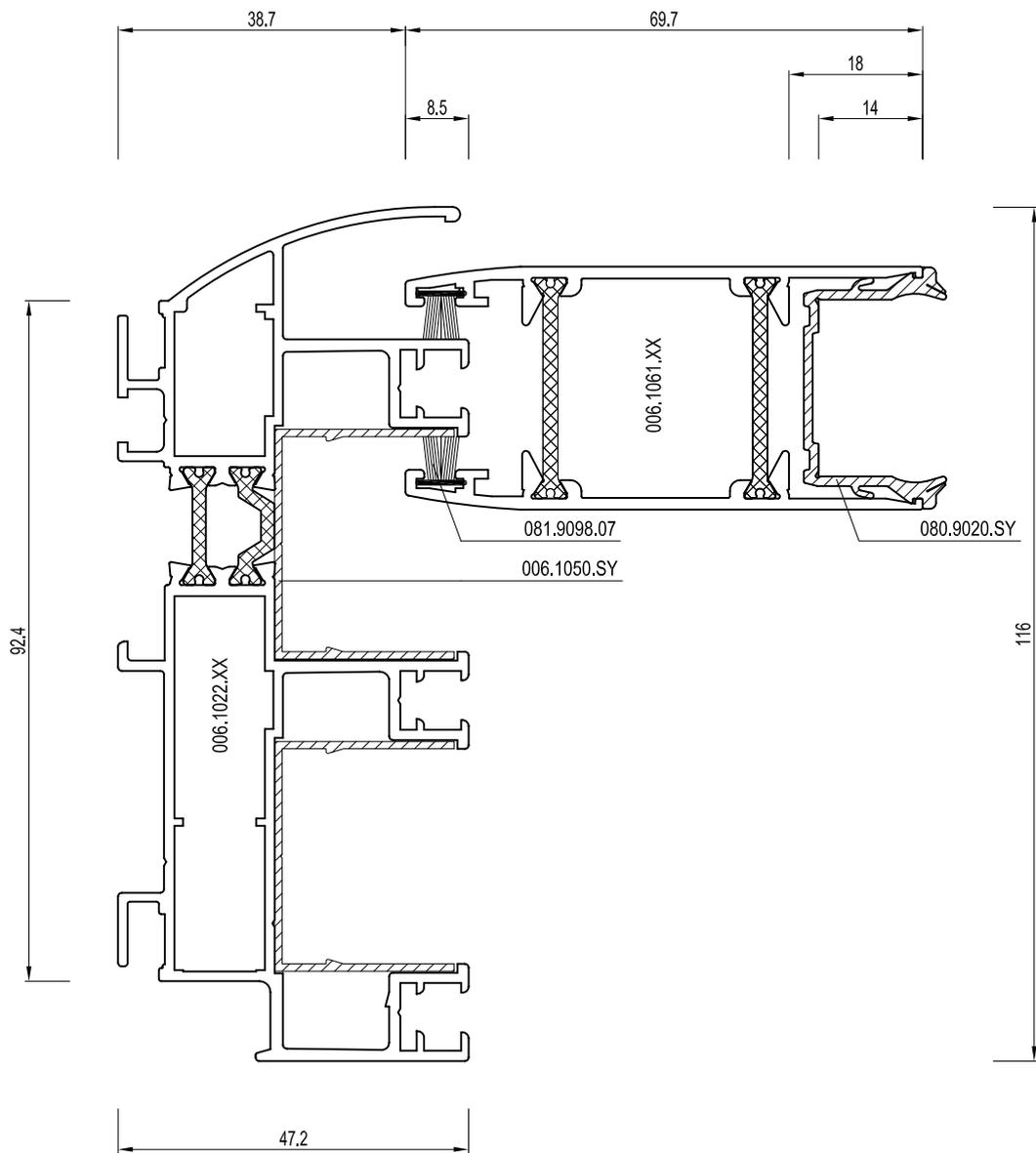
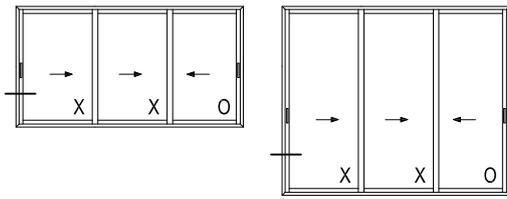




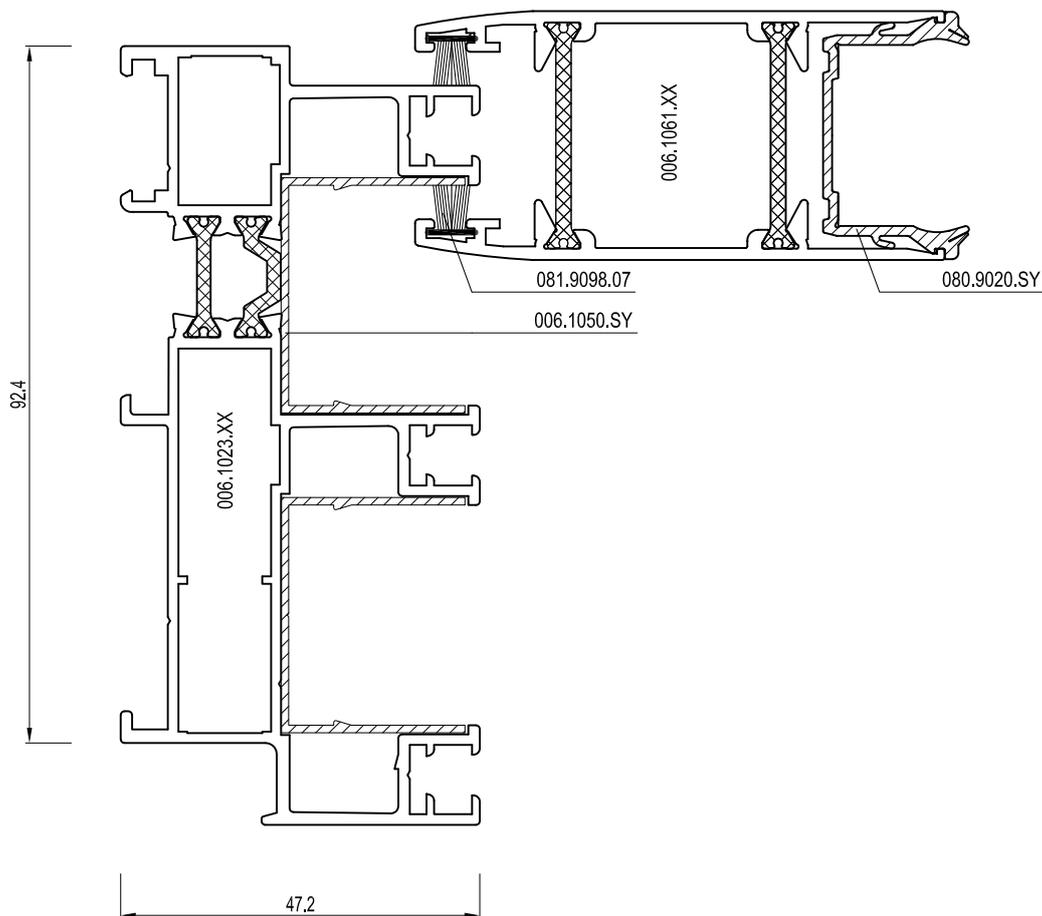
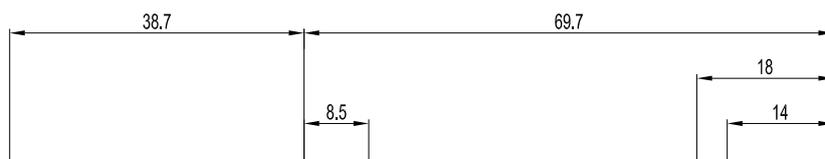
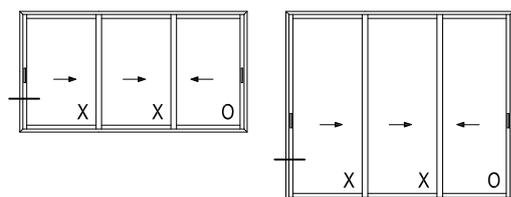


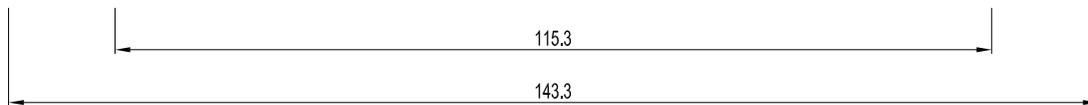
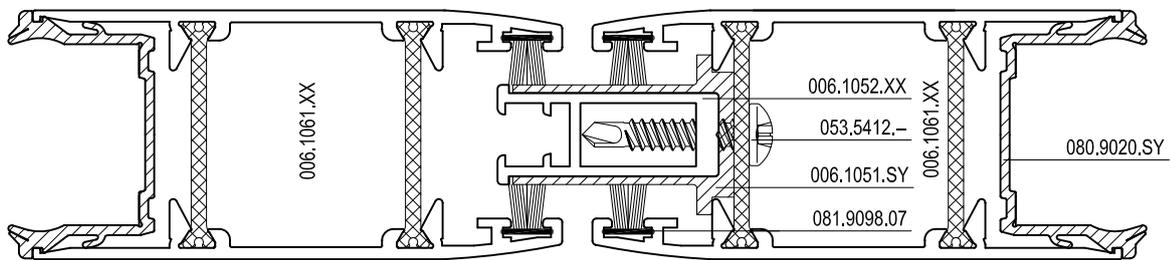
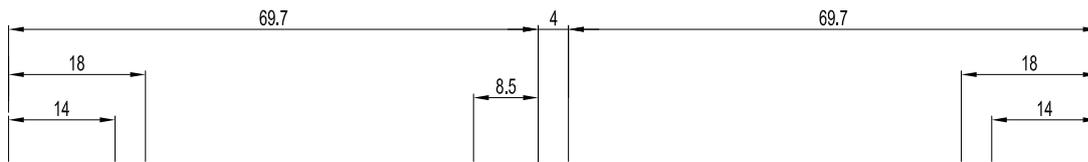
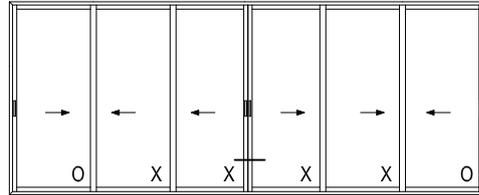
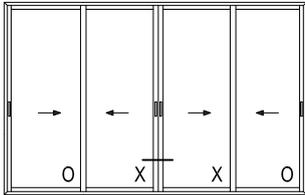
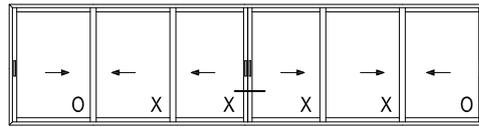
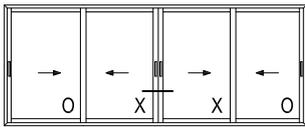
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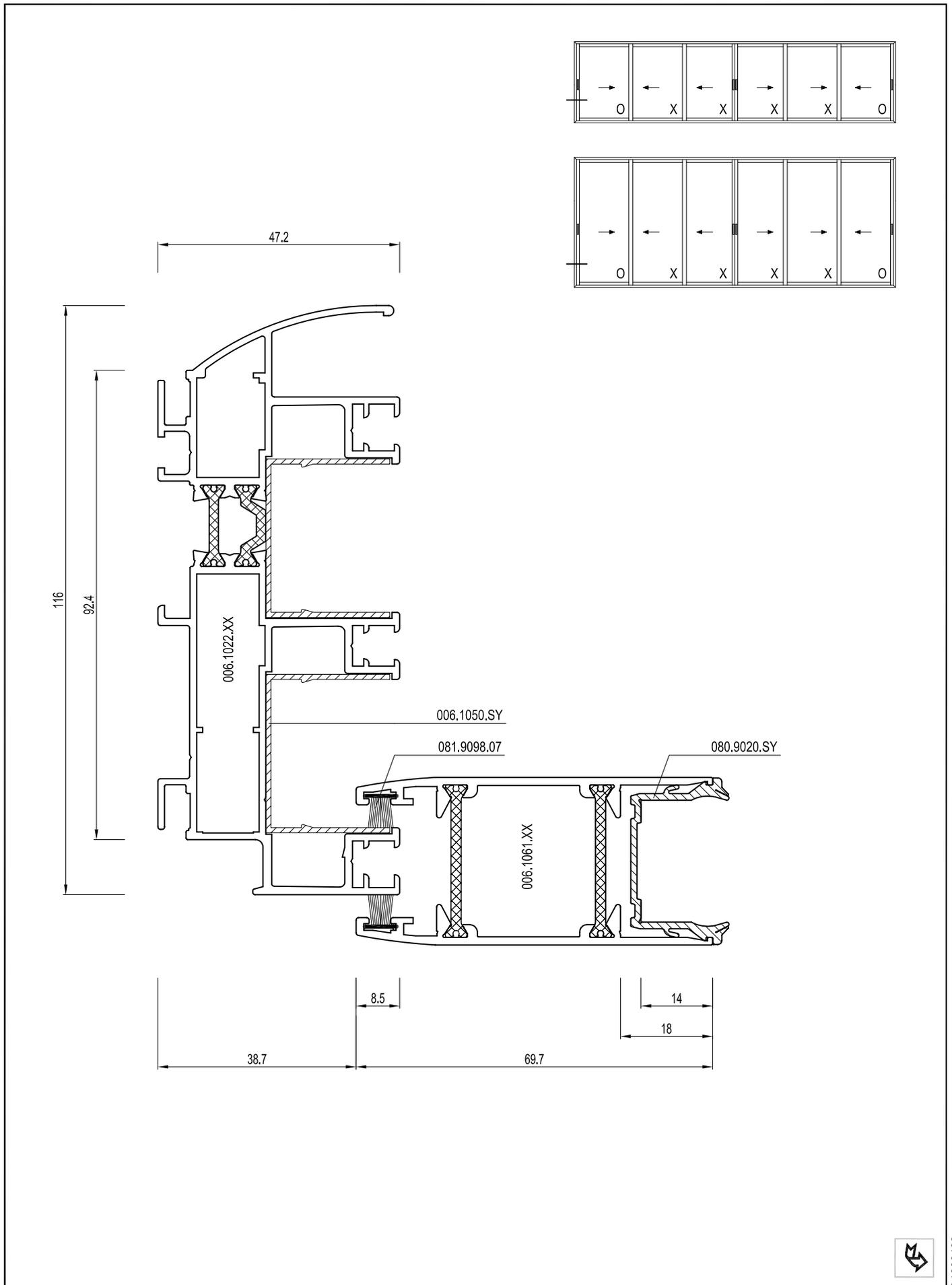


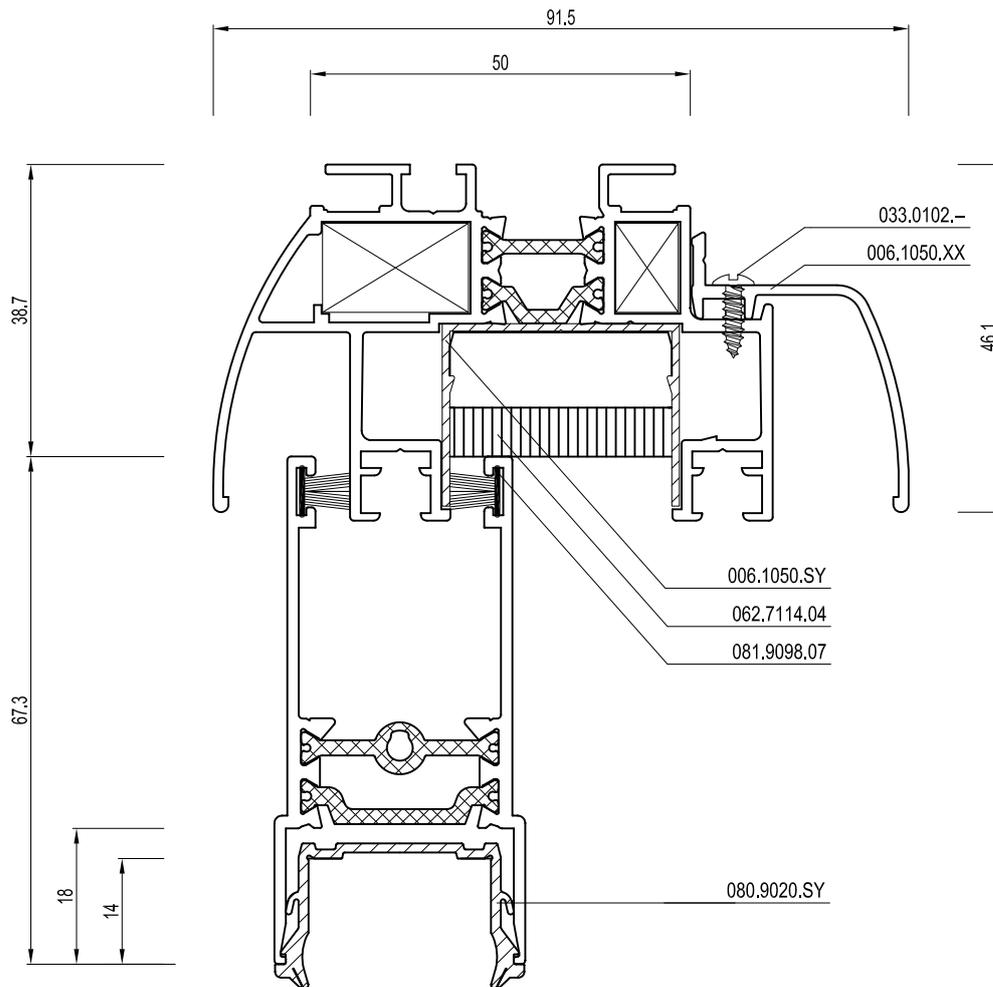
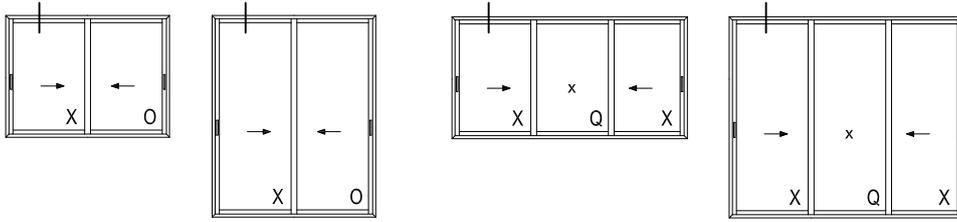


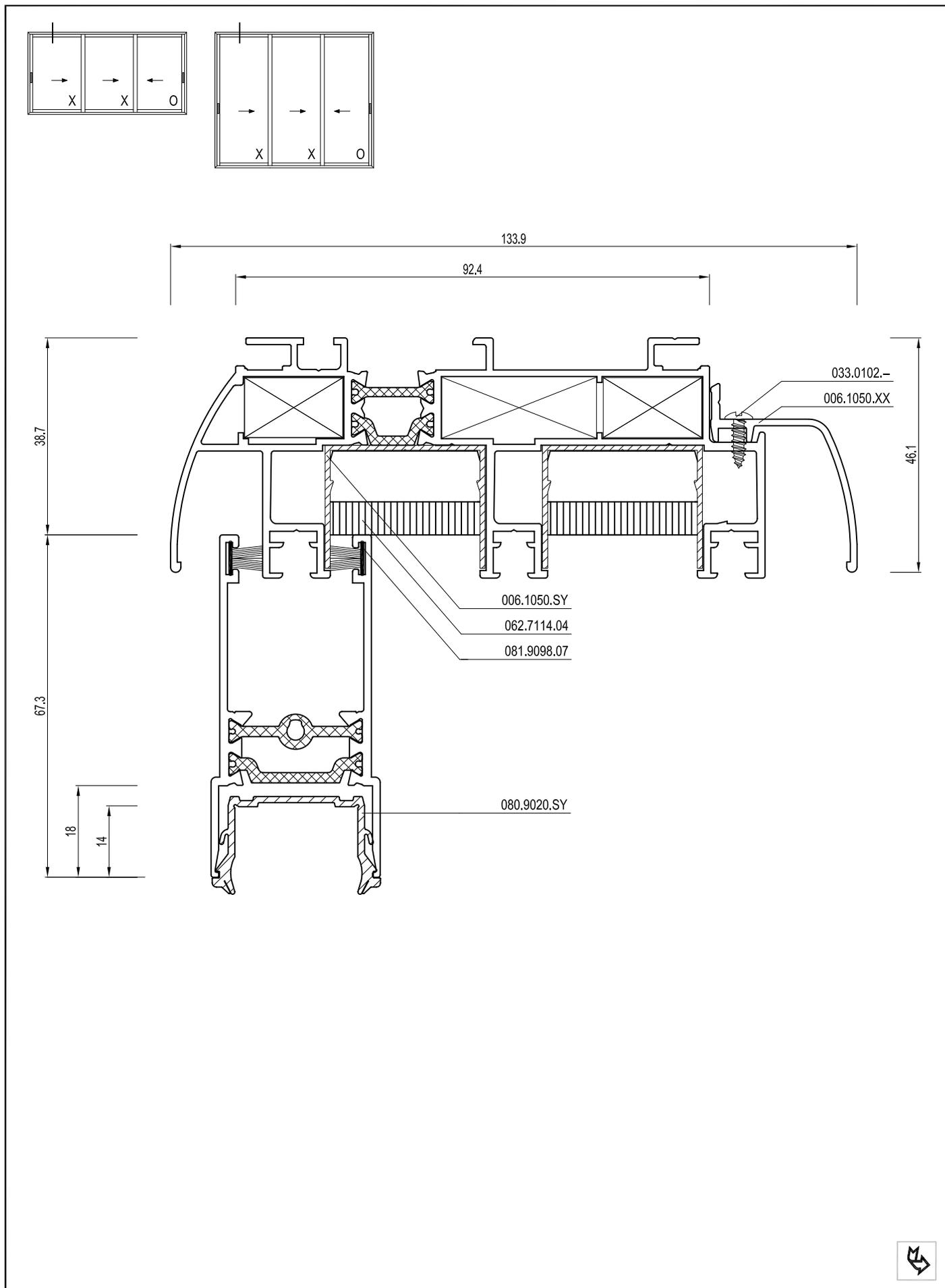
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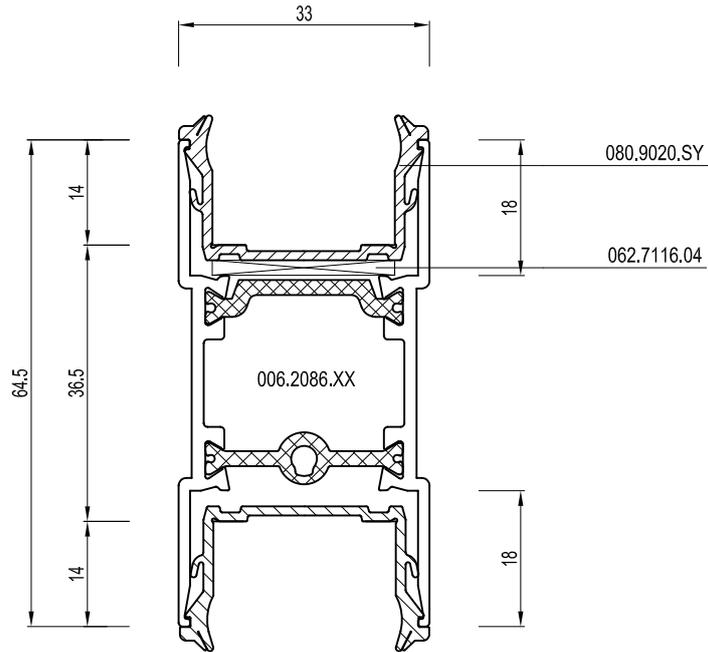
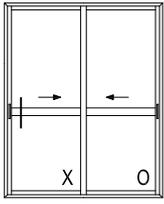




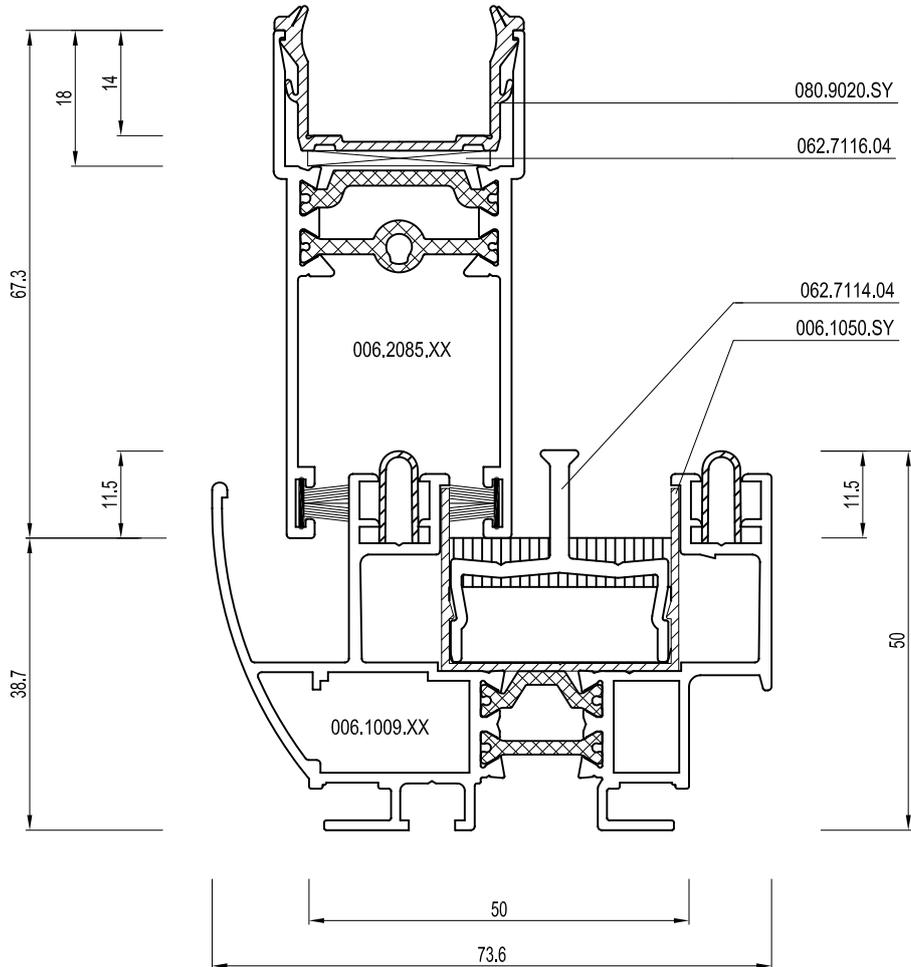
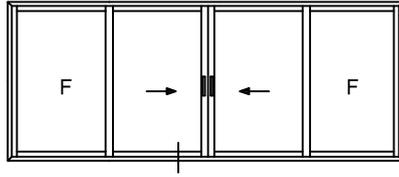
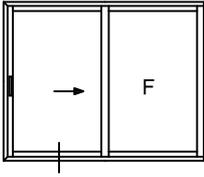


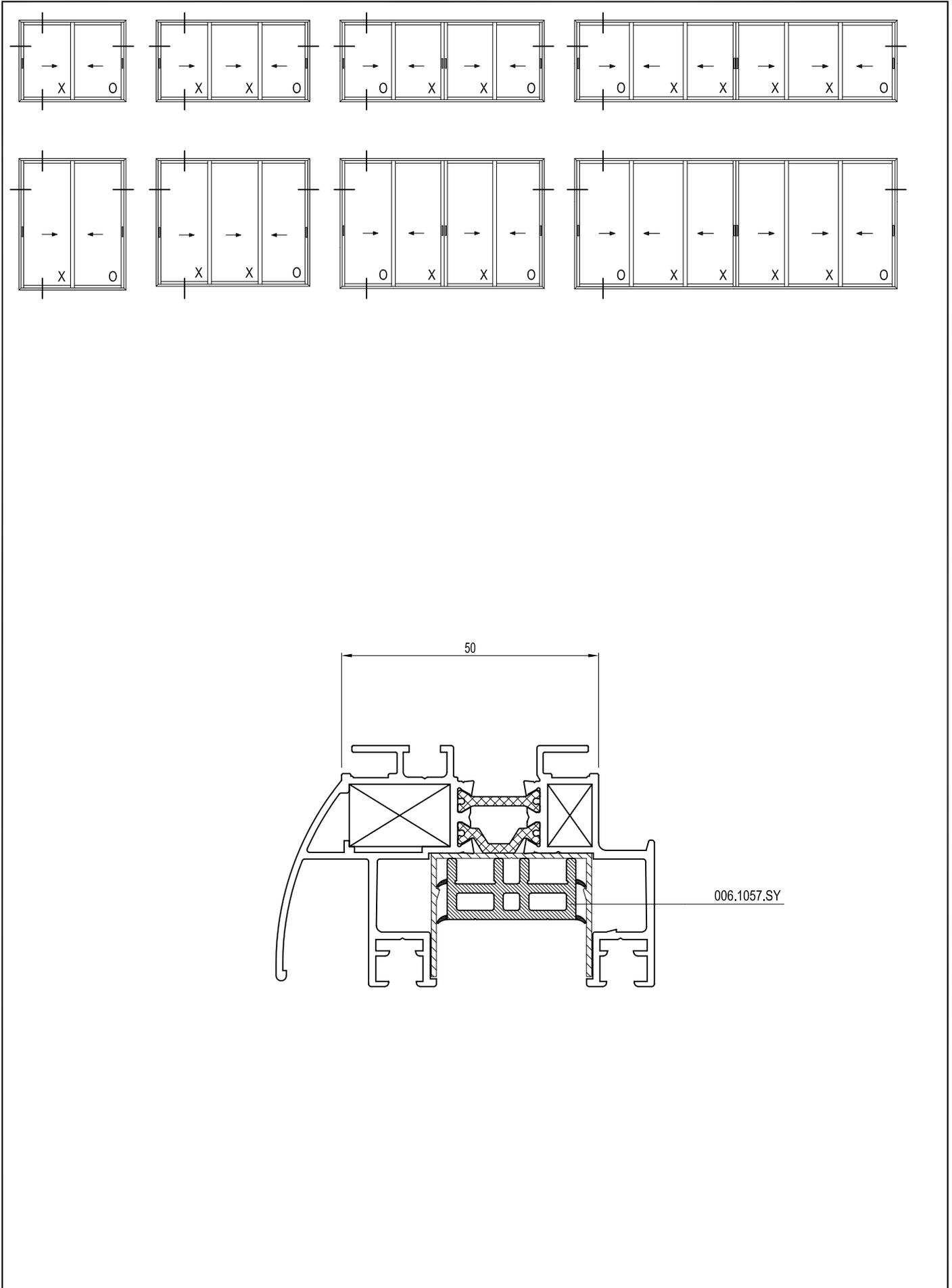


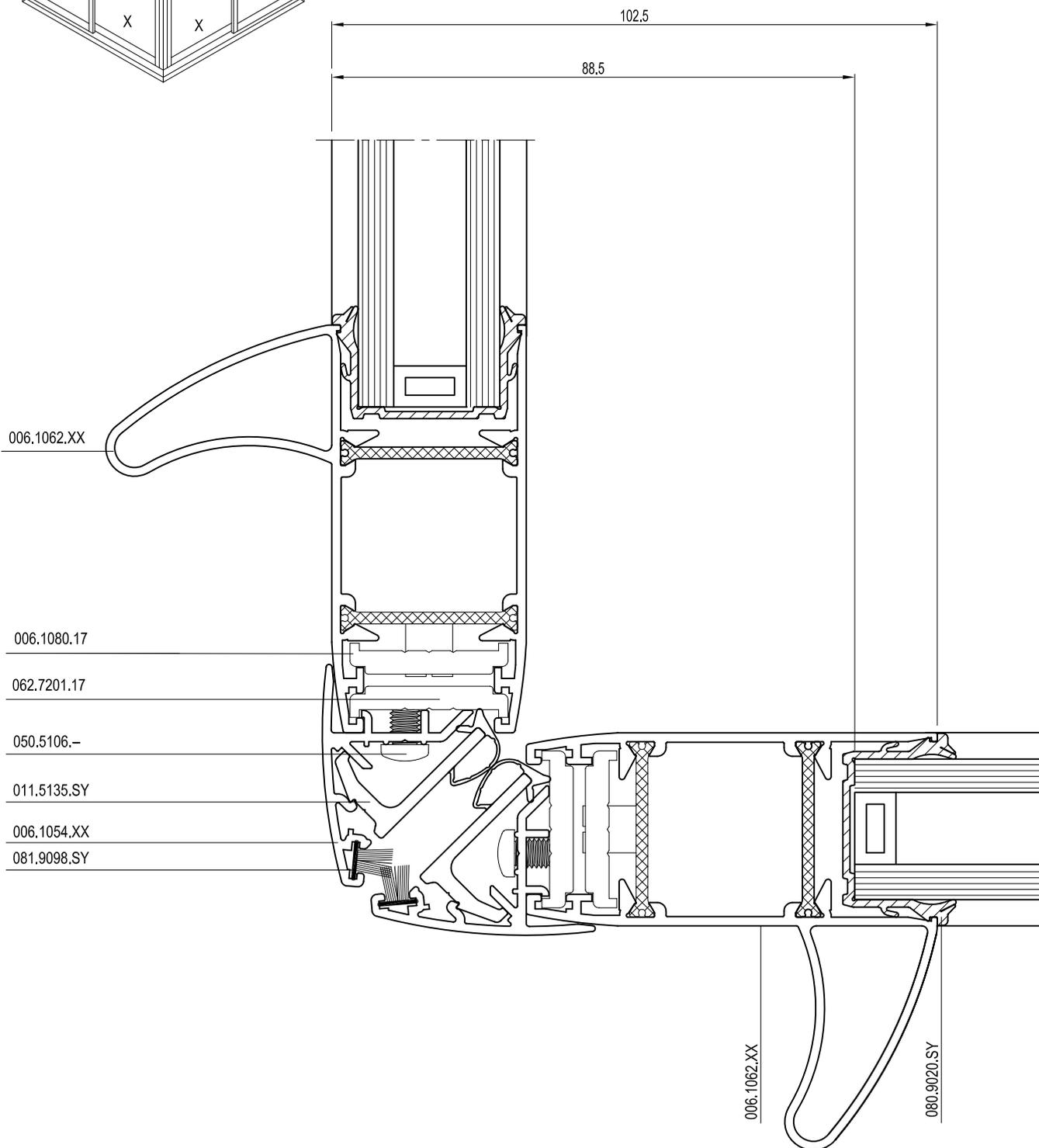
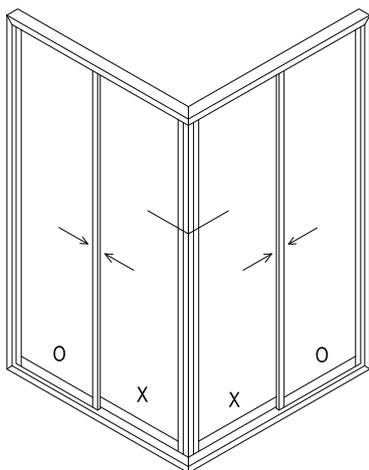




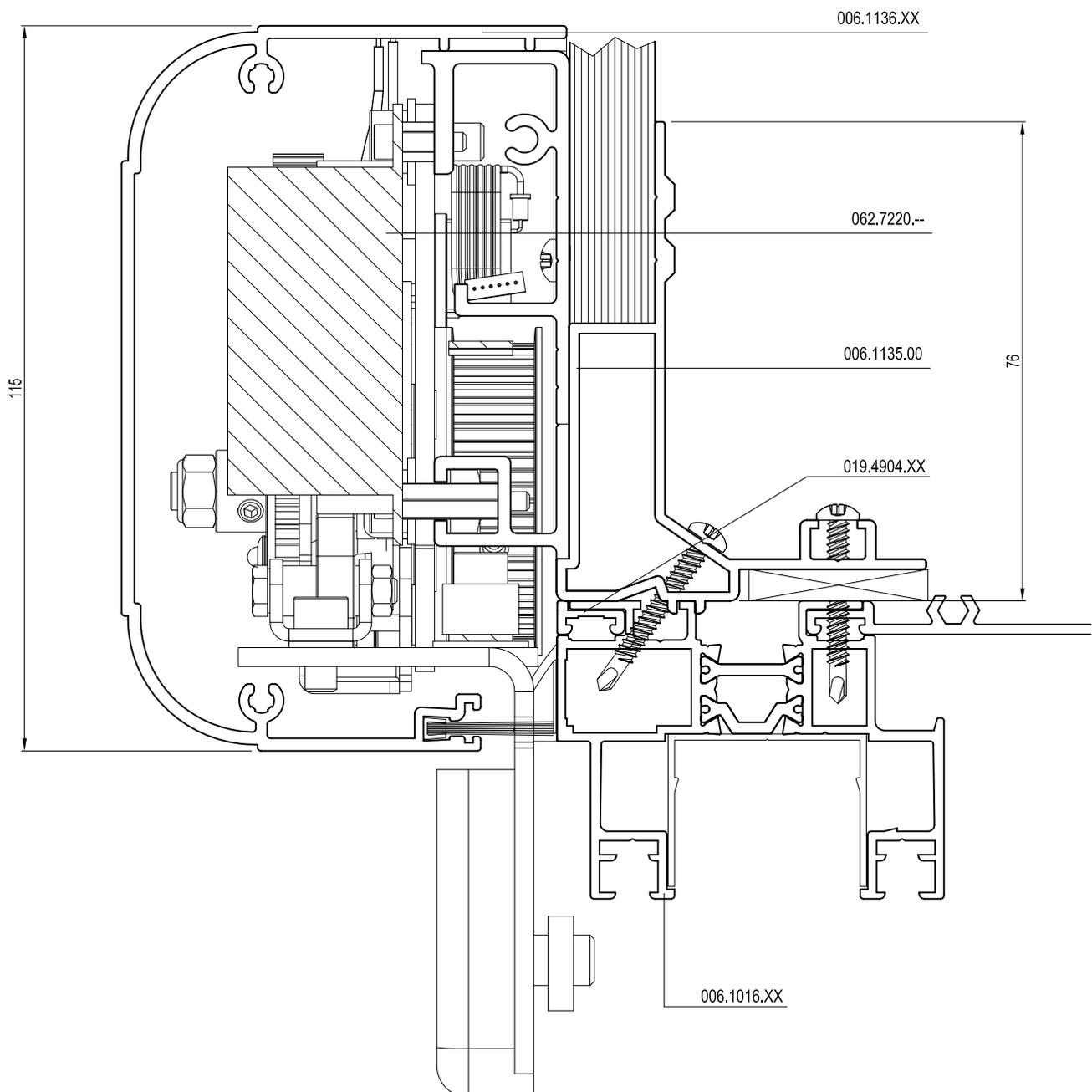
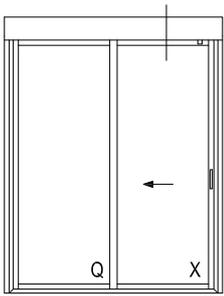
D1000406



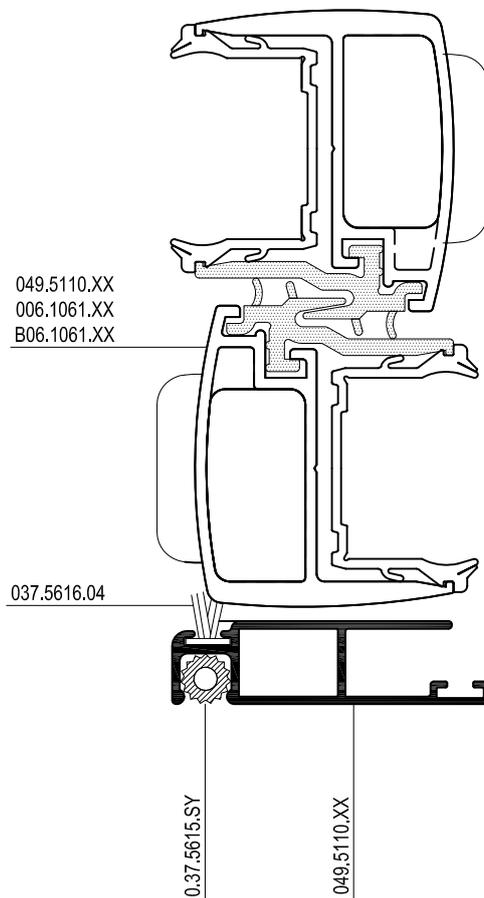
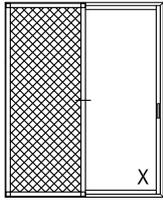




Vue intérieure / Inside view



Vue intérieure/Inside view





**e**

Werktekeningen

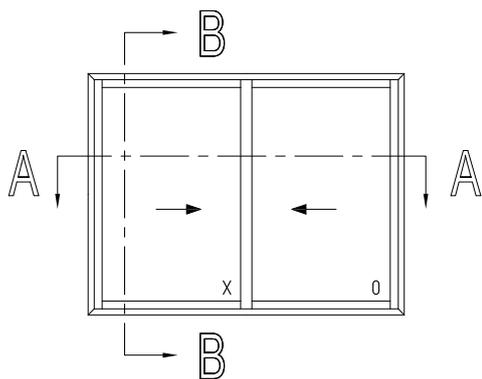
Coupes et débits

Work drawings

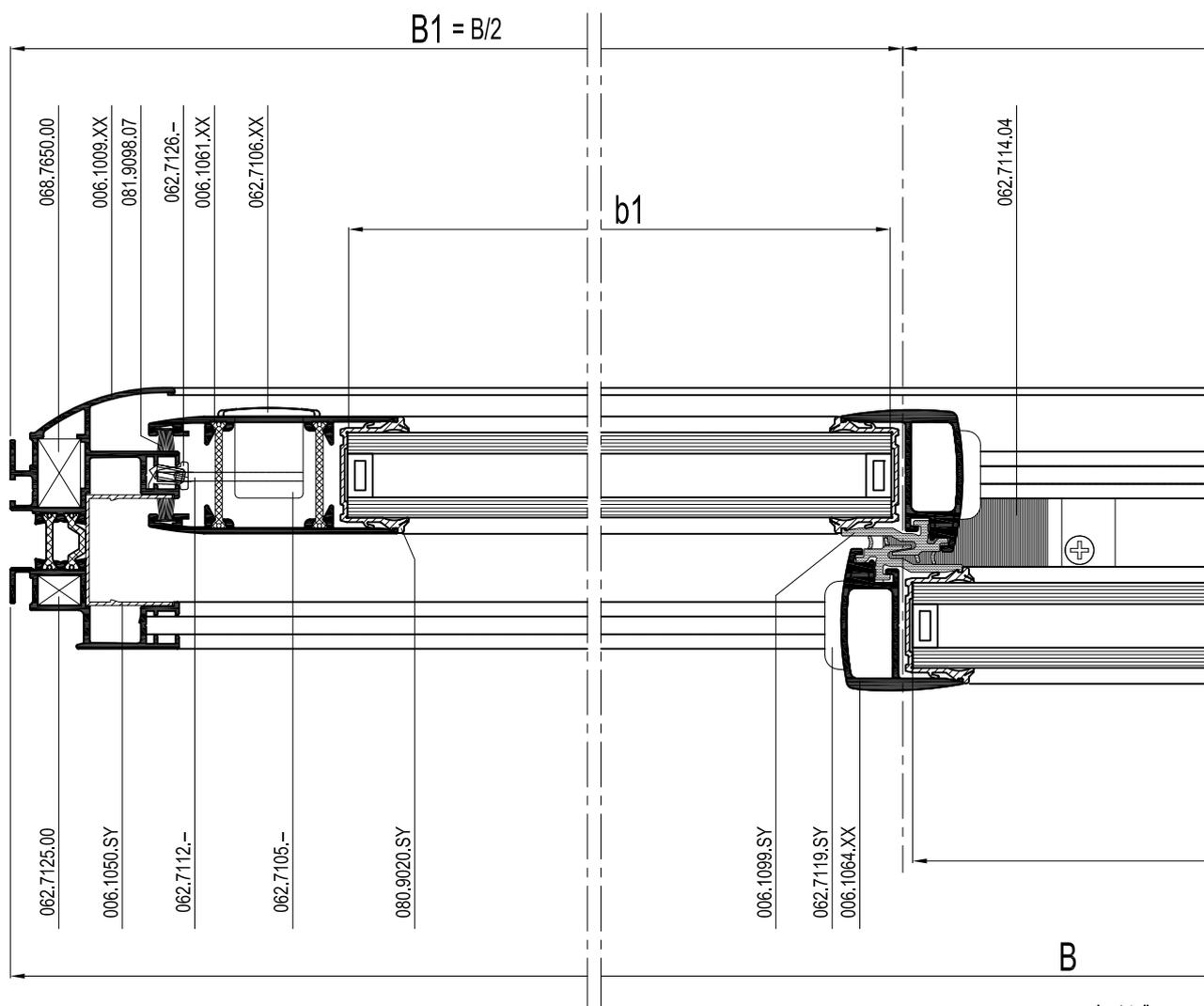
Werkzeichnungen







A - A



escala - échelle  
scale - Maßstab  
1/2



D1000408

	097.J900.00	or -	or -
	097.J800.00	or -	or -
	097.J800.00	or -	or -
	097.K000.00	or -	or 097.0559.00

b1 = B1 - 97.5
b2 = B2 - 97.5
h = H - 184

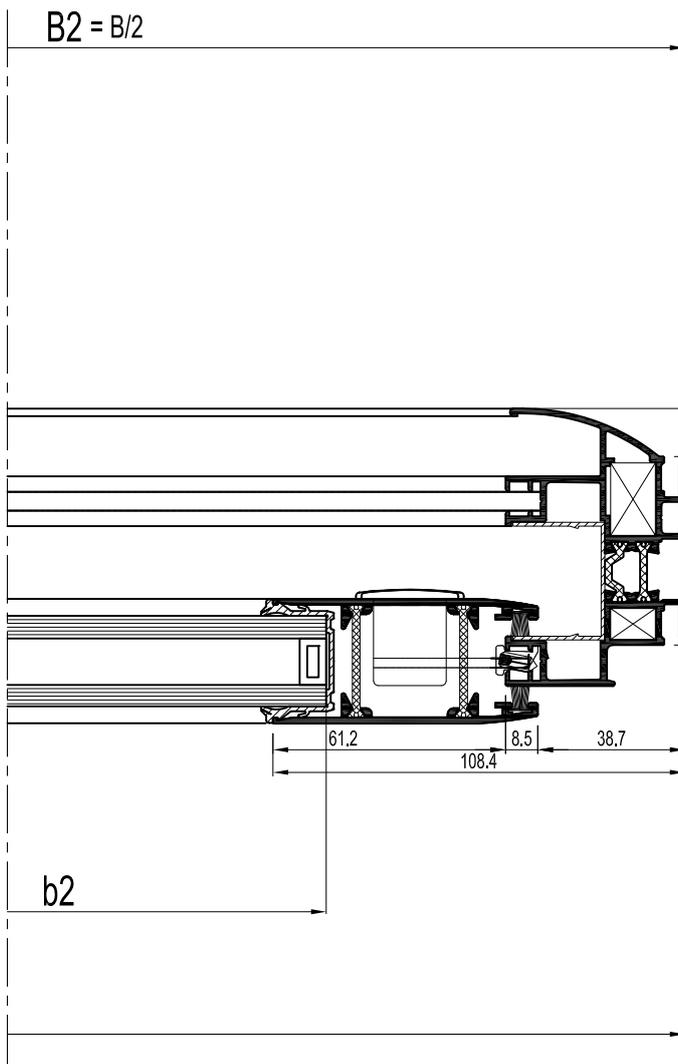
POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	voir pages 37F.f.016-017 see pages 37F.f.016-017
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	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113
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	097.J900.00 voir pages 37F.f.114 à 37F.f.116 097.J900.00 see pages 37F.f.114 to 37F.f.116
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	097.K000.00 voir pages 37F.f.118 à 37F.f.119 097.K000.00 see pages 37F.f.118 to 37F.f.119
--	--

	097.0557.00 voir page 37F.f.094 097.0557.00 see page 37F.f.094
--	---



escala - échelle  
scale - Maßstab  
1/2



D1000408

			#	$L_m$	
006.1009.XX			2	H	37F.c.001
			2	B	
006.1050.SY			2	H	37F.c.002
			2	B	
006.1061.XX			2	H - 77.5	37F.c.022
006.1064.XX			2	H - 77.5	37F.c.030
006.1099.SY			2	H - 77.5	37F.c.031
006.2085.XX			2	B1 - 93.5	37F.c.041
			2	B2 - 93.5	
006.1040.XX			1	B - 37	37F.c.052
006.1075.--			2	B - 78	37F.c.052

		#	
062.7125.00		4	37F.g.001
068.7650.00		4	37F.g.001
052.5325.--		8	37F.g.052
062.7163.--		2	37F.g.012
062.7165.--		2	37F.g.012
062.7105.--		2	37F.g.021
062.7106.XX		2	37F.g.021
062.7112.--		2	37F.g.025
062.7126.--		2	37F.g.025
062.7114.04		1	37F.g.031
062.7115.04		37F.f.062-063	37F.g.031
062.7116.04		4	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		4	37F.g.032
062.7120.04		4	37F.g.032
062.7121.04		4	37F.g.032
062.7123.01		2	37F.g.032
062.7142.04		2	37F.g.033
062.7157.SY		2	37F.g.034
081.9098.07		(4B)+(4H)	37F.g.042
080.9020.SY		(2xB)+(4xH)	37F.g.041
033.0102.--		3/m	37F.g.051

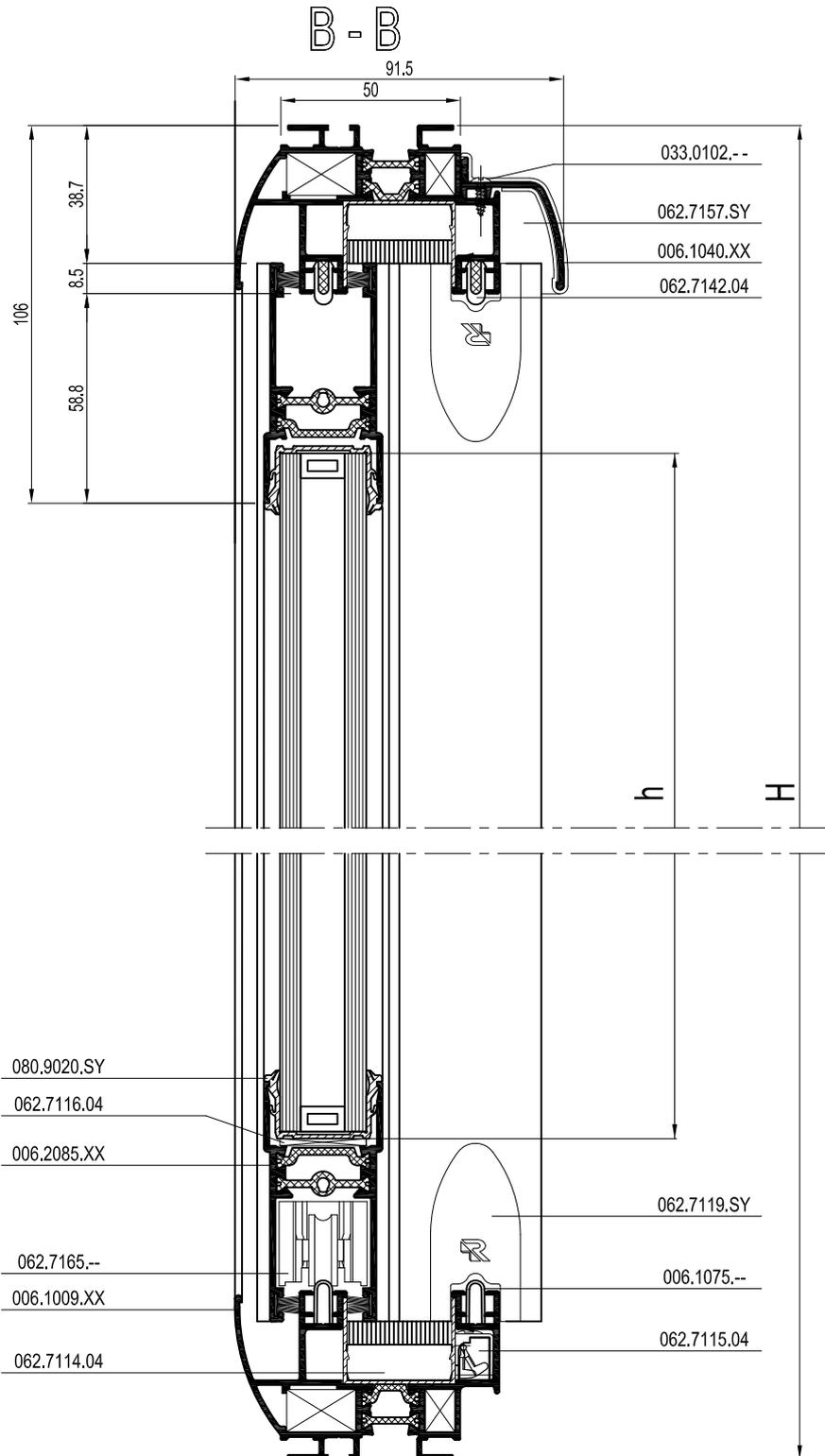
- Choix des autres fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

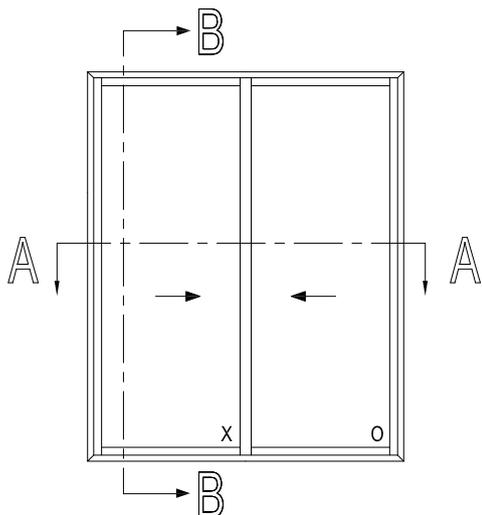
(a) Selon le poids du vantail  
According to the weight of the vent

(b) Assembler avant de tronçonner  
Assembly before sawing

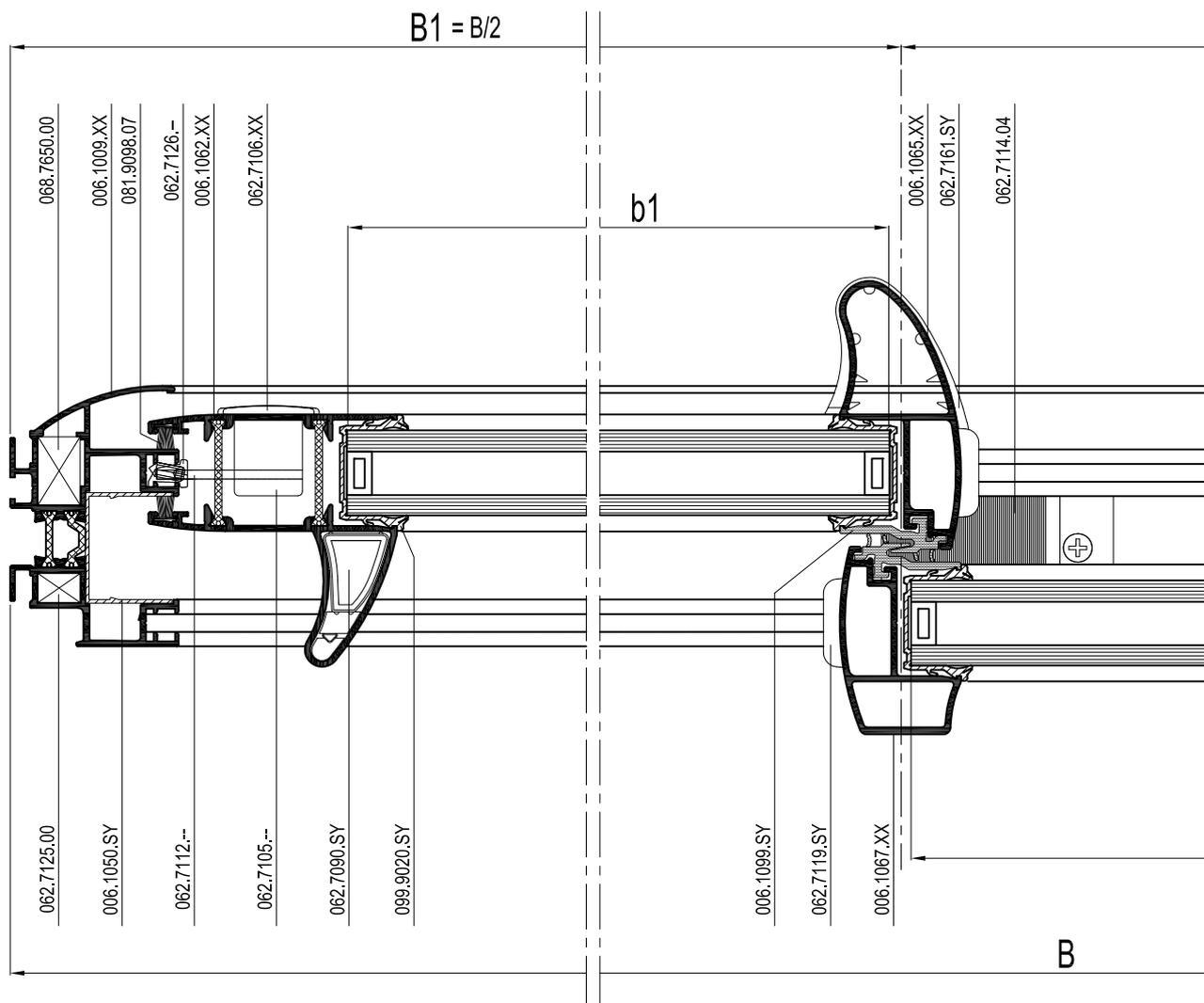
Remarques / Remarks

- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104  
- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104





A - A



escala - échelle  
scale - Maßstab  
1/2



	097.J900.00	or -	or -
	097.J800.00	or -	or -
	097.J800.00	or -	or -
	097.K000.00	or -	or 097.0559.00



b1 = B1 - 97,5
b2 = B2 - 97,5
h = H - 184

POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	voir pages 37F.f.016-017 see pages 37F.f.016-017
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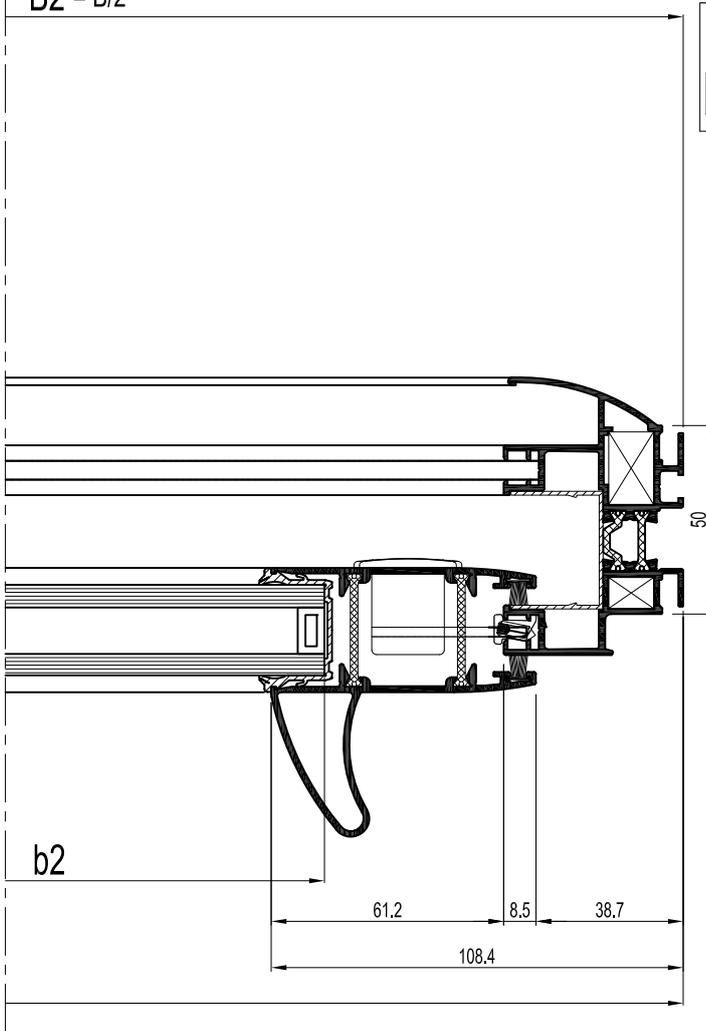
	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113
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	097.J900.00 voir pages 37F.f.114 à 37F.f.116 097.J900.00 see pages 37F.f.114 to 37F.f.116
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	097.K000.00 voir pages 37F.f.118 à 37F.f.119 097.K000.00 see pages 37F.f.118 to 37F.f.119
--	--

	097.0557.00 voir page 37F.f.094 097.0557.00 see page 37F.f.094
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B2 = B/2



escala - échelle  
scale - Maßstab  
1/2



D1000410

			#	$L_m$	
006.1009.XX			2	H	37F.c.001
			2	B	
006.1050.SY			2	H	37F.c.002
			2	B	
006.1062.XX			2	H - 77.5	37F.c.022
006.1067.XX			1	H - 77.5	37F.c.031
006.1065.XX			1	H - 77.5	37F.c.030
006.1099.SY			2	H - 77.5	37F.c.031
006.2085.XX			2	B1 - 93.5	37F.c.041
			2	B2 - 93.5	
006.1040.XX			1	B - 37	37F.c.052
006.1075.--			2	B - 78	37F.c.052

		#	
062.7125.00		4	37F.g.001
068.7650.00		4	37F.g.001
052.5325.--		8	37F.g.052
062.7164.--		2	37F.g.012
062.7166.--		2	37F.g.013
062.7105.--		2	37F.g.021
062.7106.XX		2	37F.g.021
062.7112.--		2	37F.g.025
062.7126.--		2	37F.g.025
062.7114.04		1	37F.g.031
062.7115.04		37F.f.062-063	37F.g.031
062.7090.SY		1	37F.g.034
062.7116.04		4	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		4	37F.g.032
062.7120.04		4	37F.g.032
062.7121.04		4	37F.g.032
062.7123.01		2	37F.g.032
062.7142.04		2	37F.g.033
062.7147.SY		2	37F.g.034
062.7157.SY		2	37F.g.034
062.7161.SY		1	37F.g.035
081.9098.07		(4B)+(4H)	37F.g.042
080.9020.SY		(2xB)+(4xH)	37F.g.041
033.0102.--		3/m	37F.g.051

- Choix des autres fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

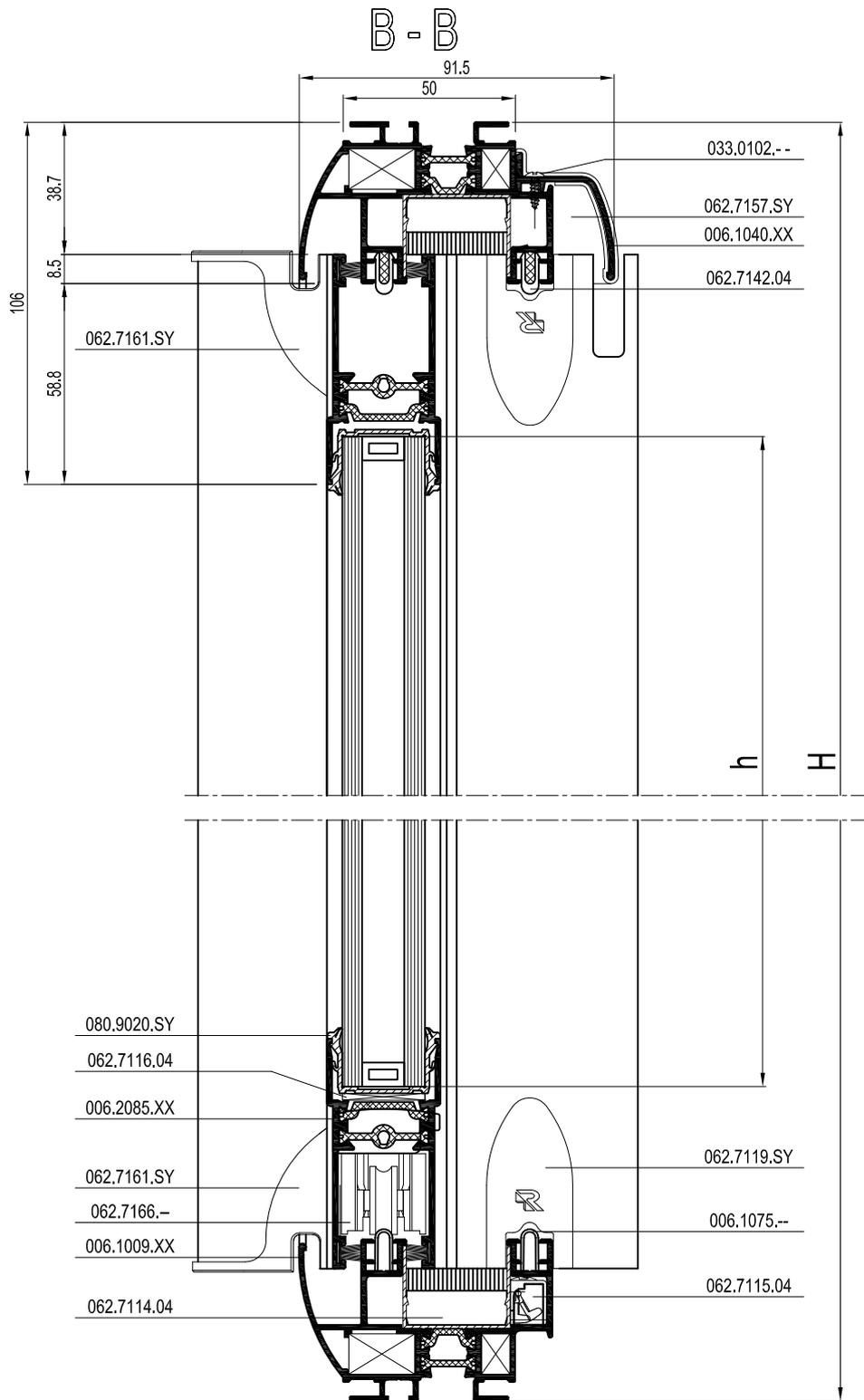
(a) Selon le poids du vantail  
According to the weight of the vent

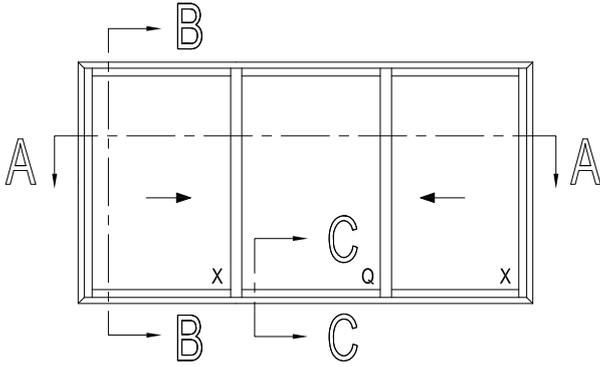
(b) Assembler avant de tronçonner  
Assembly before sawing

Remarques / Remarks

- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104

- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104





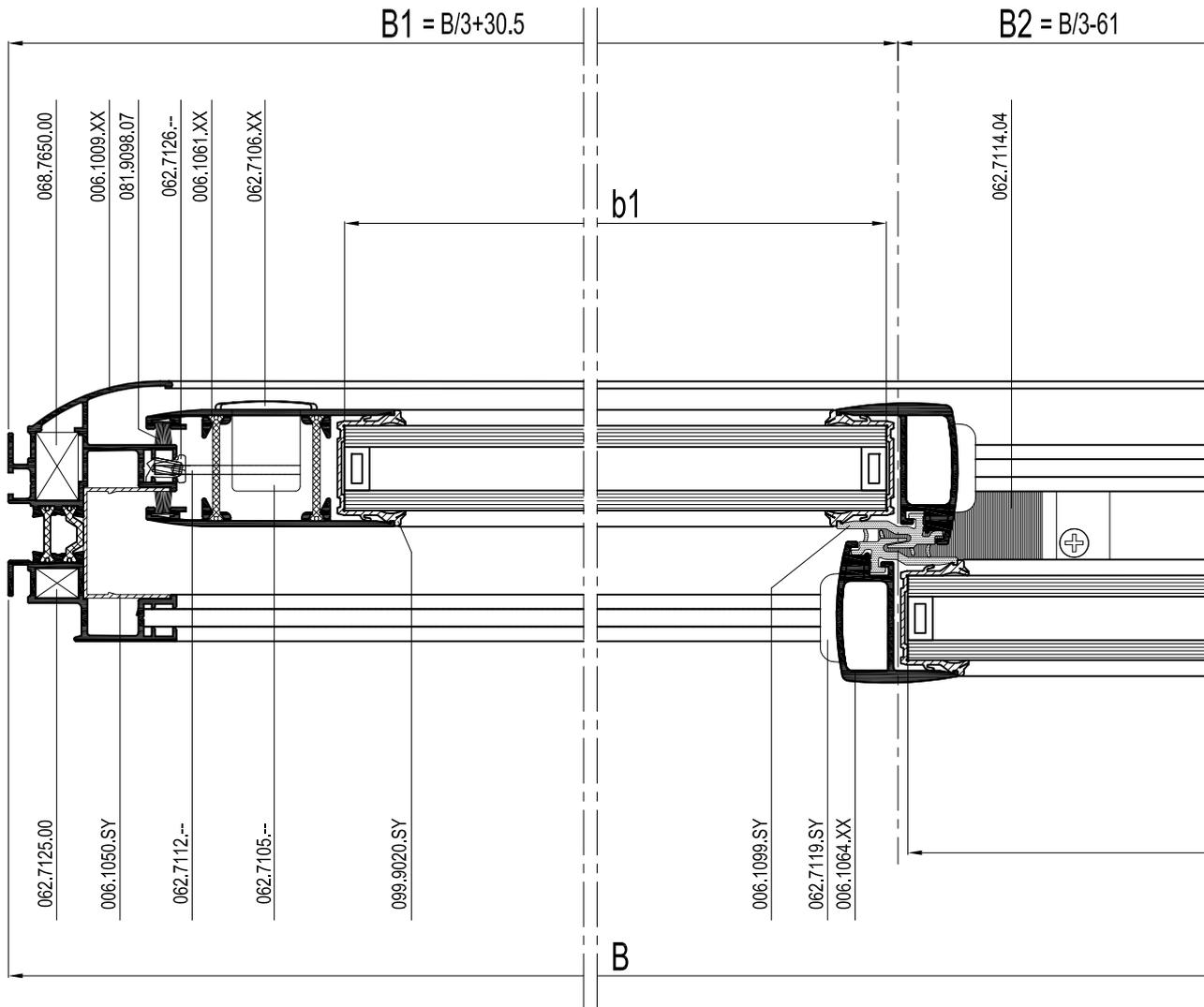
	097.0557.00 voir page 37F.f.094
	097.0557.00 see page 37F.f.094

Q vantail central fixe / fixed central vent

Variante:

← → vantail central mobile / mobile central vent

A - A



escala - échelle  
scale - Maßstab  
1/2



D1000412

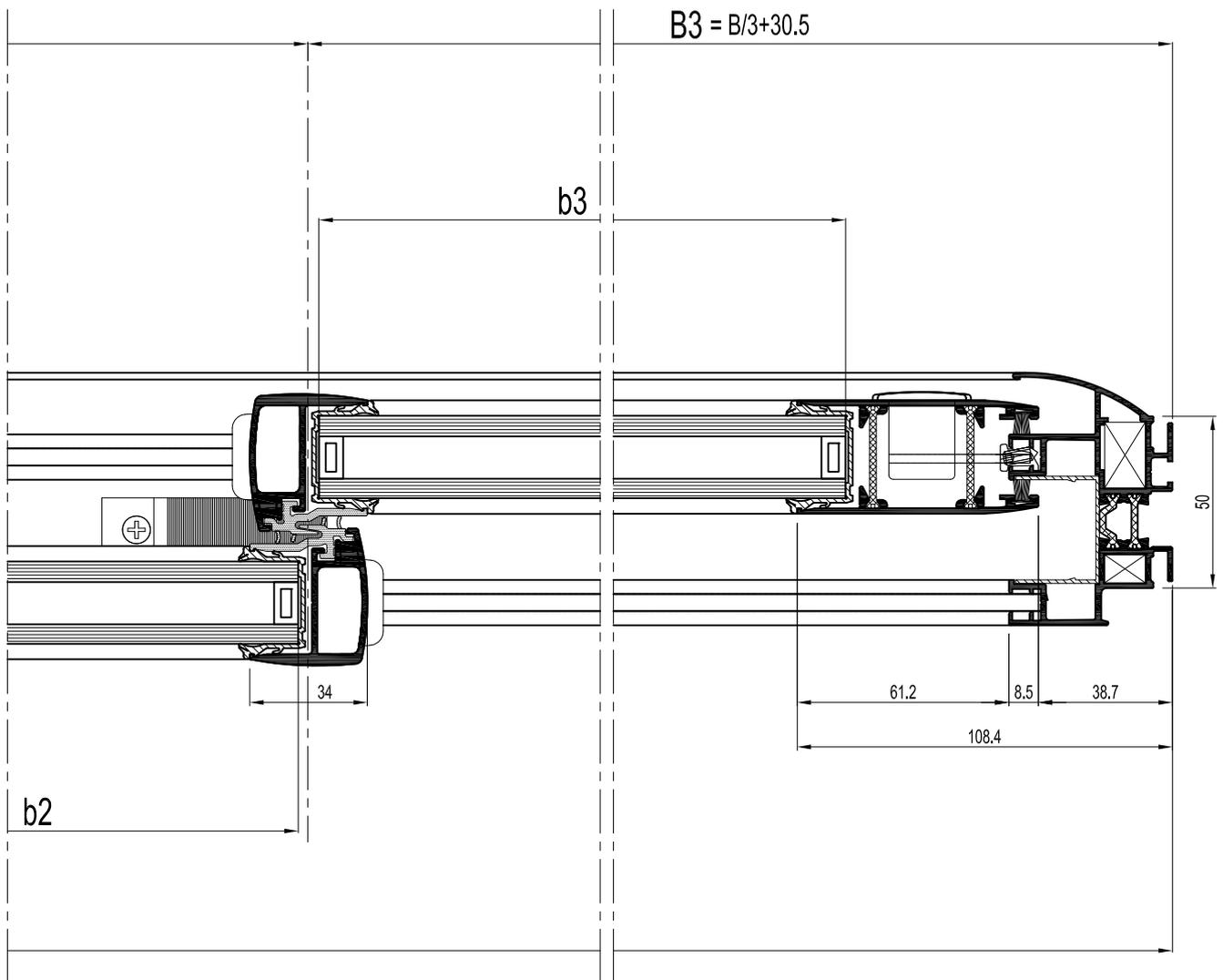
	097.J900.00	or -	or -
	097.J800.00	or -	or -
	097.J800.00	or -	or -
	097.K000.00	or -	or 097.0559.00
	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113		

b1 = B1 - 97.5
b2 = B2 - 6
b3 = B3 - 97.5
h = H - 184

POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	voir pages 37F.f.016-017 see pages 37F.f.016-017
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	097.J900.00 voir pages 37F.f.114 à 37F.f.116 097.J900.00 see pages 37F.f.114 to 37F.f.116
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	097.K000.00 voir pages 37F.f.118 à 37F.f.119 097.K000.00 see pages 37F.f.118 to 37F.f.119
--	--



escala - échelle  
scale - Maßstab  
1/2



D1000412

			#	$L_m$	
006.1009.XX			2	H	37F.c.001
			2	B	
006.1050.SY			2	H	37F.c.002
			2	B	
006.1061.XX			2	H - 77.5	37F.c.022
006.1064.XX			4	H - 77.5	37F.c.030
006.1099.SY			4	H - 77.5	37F.c.031
006.2085.XX			2	B1 - 93.5	37F.c.041
			2	B2 - 2	
			2	B3 - 93.5	
006.1040.XX			1	B - 37	37F.c.052
006.1075.--			2	B - 78	37F.c.052

		#	
062.7125.00		4	37F.g.001
068.7650.00		4	37F.g.001
052.5325.--		12	37F.g.052
062.7163.--		2	37F.g.012
062.7165.--		2	37F.g.012
062.7141.04		2	37F.g.012
062.7105.--		2	37F.g.021
062.7106.XX		2	37F.g.021
062.7112.--		2	37F.g.025
062.7126.--		2	37F.g.025
062.7114.04		2	37F.g.031
062.7115.04		37F.f.066-067	37F.g.031
062.7116.04		6	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		6	37F.g.032
062.7140.SY		2	37F.g.033
062.7120.04		4	37F.g.032
062.7121.04		8	37F.g.032
062.7123.01		4	37F.g.032
062.7142.04		2	37F.g.033
062.7147.SY		2	37F.g.034
062.7157.SY		2	37F.g.034
081.9098.07		(4B)+(4H)	37F.g.042
080.9020.SY		(2xB)+(6xH)	37F.g.041
033.0102.--		3/m	37F.g.051

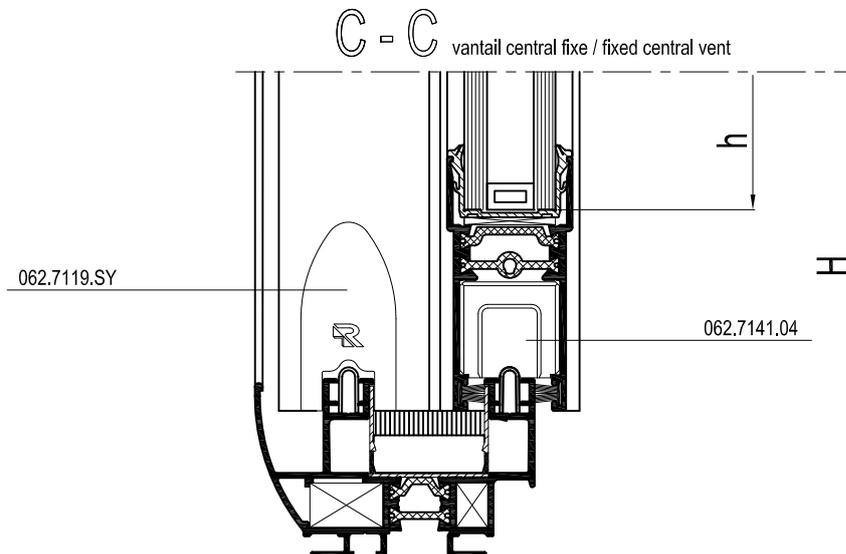
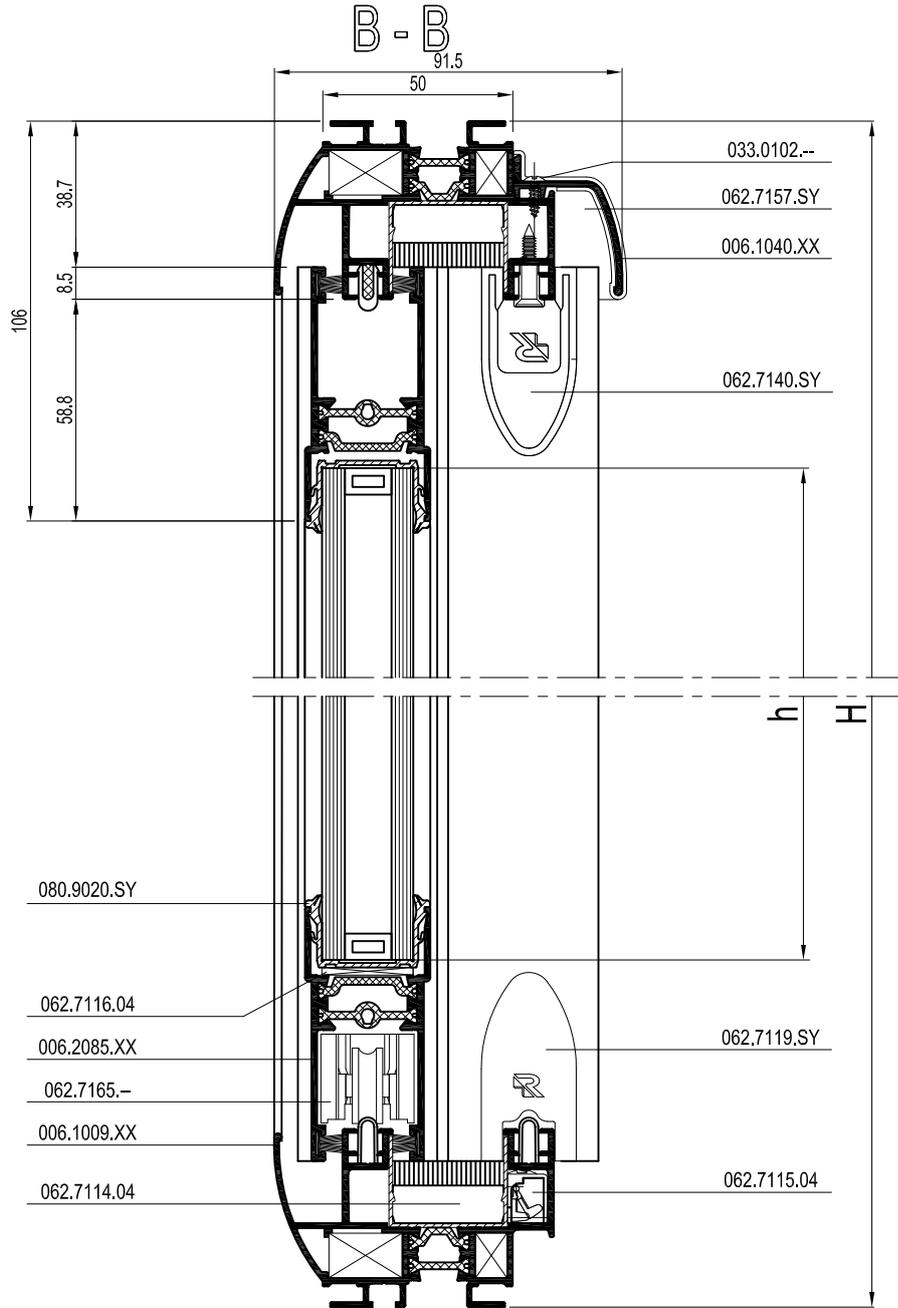
- Choix des autres fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

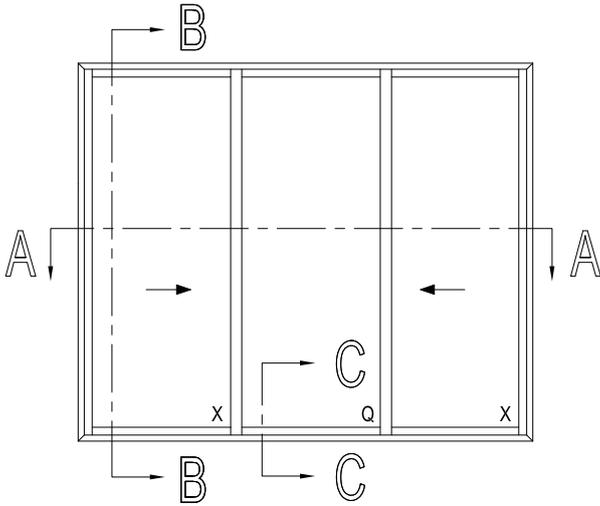
(a) Selon le poids du vantail  
According to the weight of the vent

(b) Assembler avant de tronçonner  
Assembly before sawing  
Montage vor dem Sägen

Remarques / Remarks

- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104  
- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104



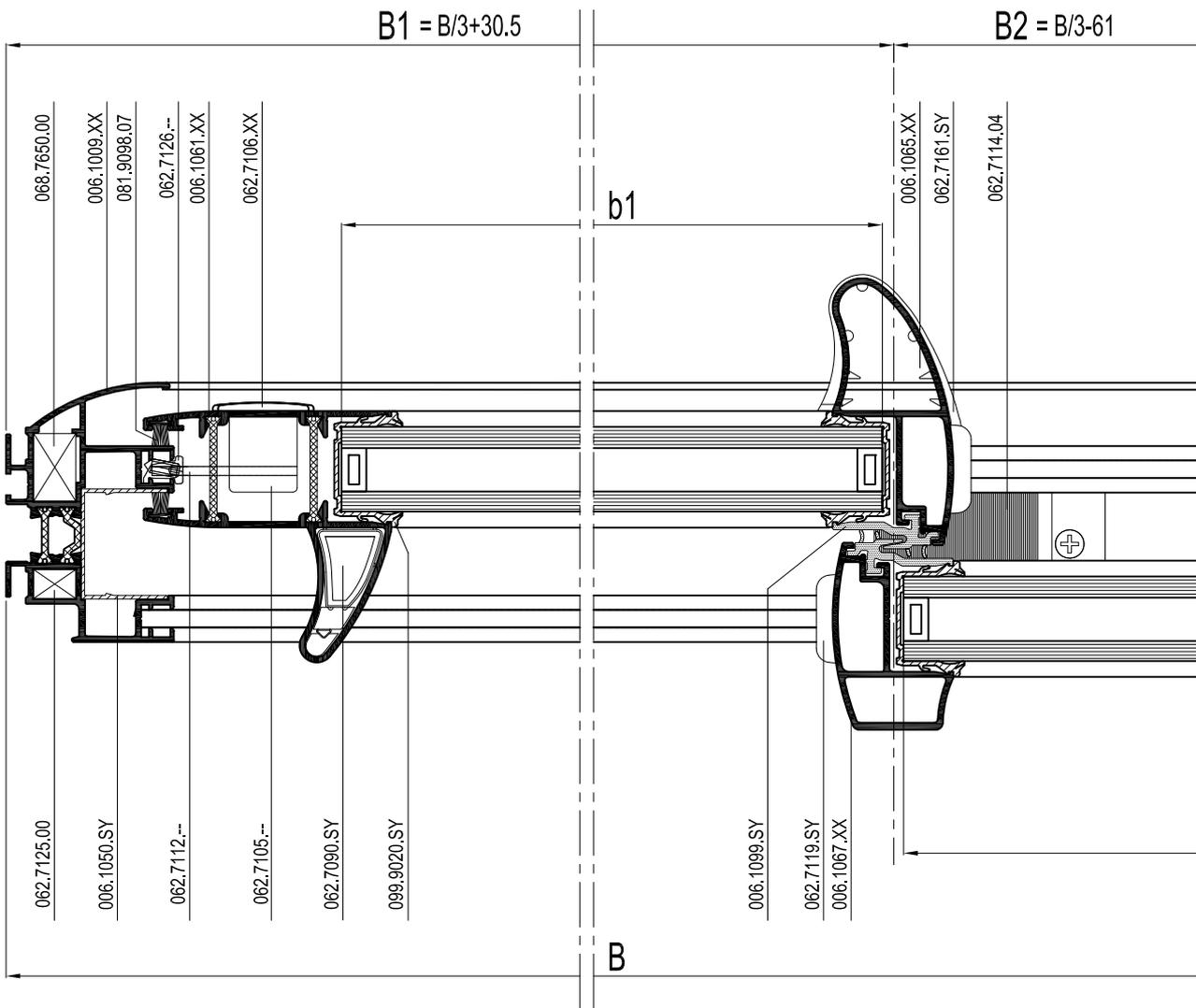


Q vantail central fixe / fixed central vent

Variante:  
← → vantail central mobile / mobile central vent

	097.0557.00 voir page 37F.f.094
	097.0557.00 see page 37F.f.094

A - A



escala - échelle  
scale - Maßstab  
1/2



D1000414

	097.J900.00	or	-	or	-
	097.J800.00	or	-	or	-
	097.J800.00	or	-	or	-
	097.K000.00	or	-	or	097.0559.00
	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113				



b1 = B1 - 97.5

b2 = B2 - 6

b3 = B3 - 97.5

h = H - 184

POIDS MAXI DU VANTAIL  
MAX WEIGHT OF THE VENT

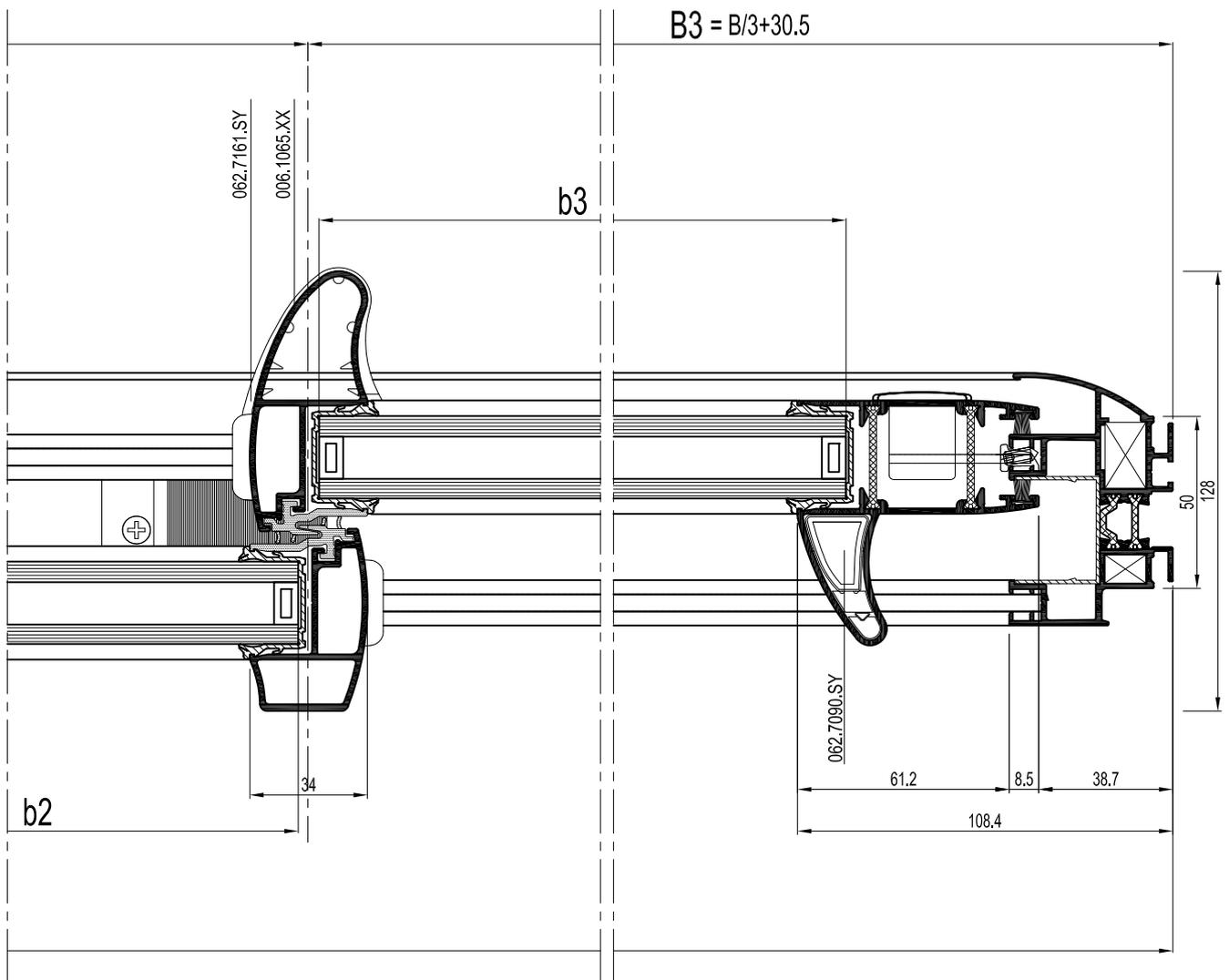
voir pages 37F.f.016-017  
see pages 37F.f.016-017



097.J900.00 voir pages 37F.f.114 à 37F.f.116  
097.J900.00 see pages 37F.f.114 to 37F.f.116



097.K000.00 voir pages 37F.f.118 à 37F.f.119  
097.K000.00 see pages 37F.f.118 to 37F.f.119



escala - échelle  
scale - Maßstab  
1/2



			#	$L_m$	
006.1009.XX			2	H	37F.c.001
			2	B	
006.1050.SY			2	H	37F.c.002
			2	B	
006.1062.XX			2	H - 77.5	37F.c.022
006.1067.XX			2	H - 77.5	37F.c.031
006.1065.XX			2	H - 77.5	37F.c.030
006.1099.SY			4	H - 77.5	37F.c.031
006.2085.XX			2	B1 - 93.5	37F.c.041
			2	B2 - 2	
			2	B3 - 93.5	
006.1040.XX			1	B - 37	37F.c.052
006.1075.--			2	B - 78	37F.c.052

		#	
062.7125.00		4	37F.g.001
068.7650.00		4	37F.g.001
052.5325.--		12	37F.g.052
062.7164.--		2	37F.g.012
062.7166.--		2	37F.g.013
062.7141.04		2	37F.g.012
062.7114.04		2	37F.g.031
062.7105.--		2	37F.g.021
062.7106.XX		2	37F.g.021
062.7112.--		2	37F.g.025
062.7126.--		2	37F.g.025
062.7115.04		37F.f.066-067	37F.g.031
062.7090.SY		2	37F.g.034
062.7116.04		6	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		6	37F.g.032
062.7120.04		4	37F.g.032
062.7121.04		8	37F.g.032
062.7123.01		4	37F.g.032
062.7142.04		2	37F.g.033
062.7147.SY		2	37F.g.034
062.7157.SY		2	37F.g.034
062.7161.SY		2	37F.g.035
081.9098.07		(4B)+(4H)	37F.g.042
080.9020.SY		(2xB)+(6xH)	37F.g.041
033.0102.--		3/m	37F.g.051
062.7140.SY		2	37F.g.033

- Choix des autres fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

(a) Selon le poids du vantail  
According to the weight of the vent

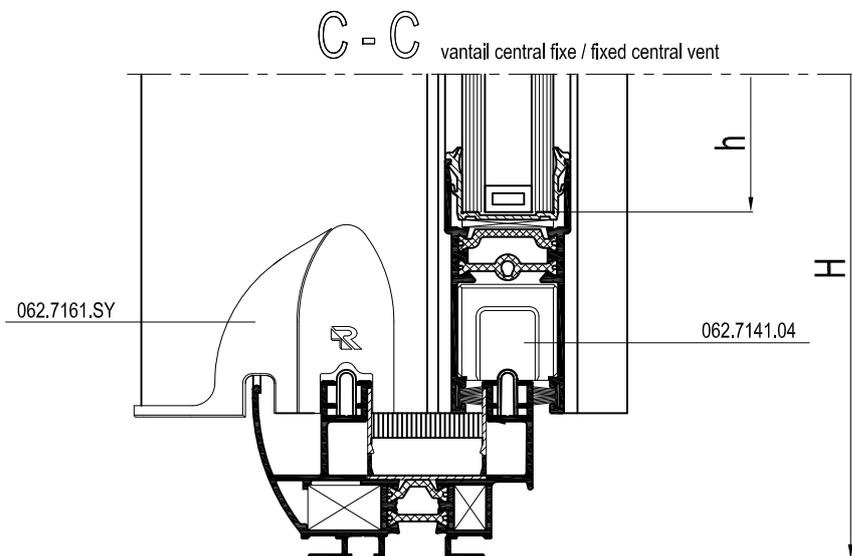
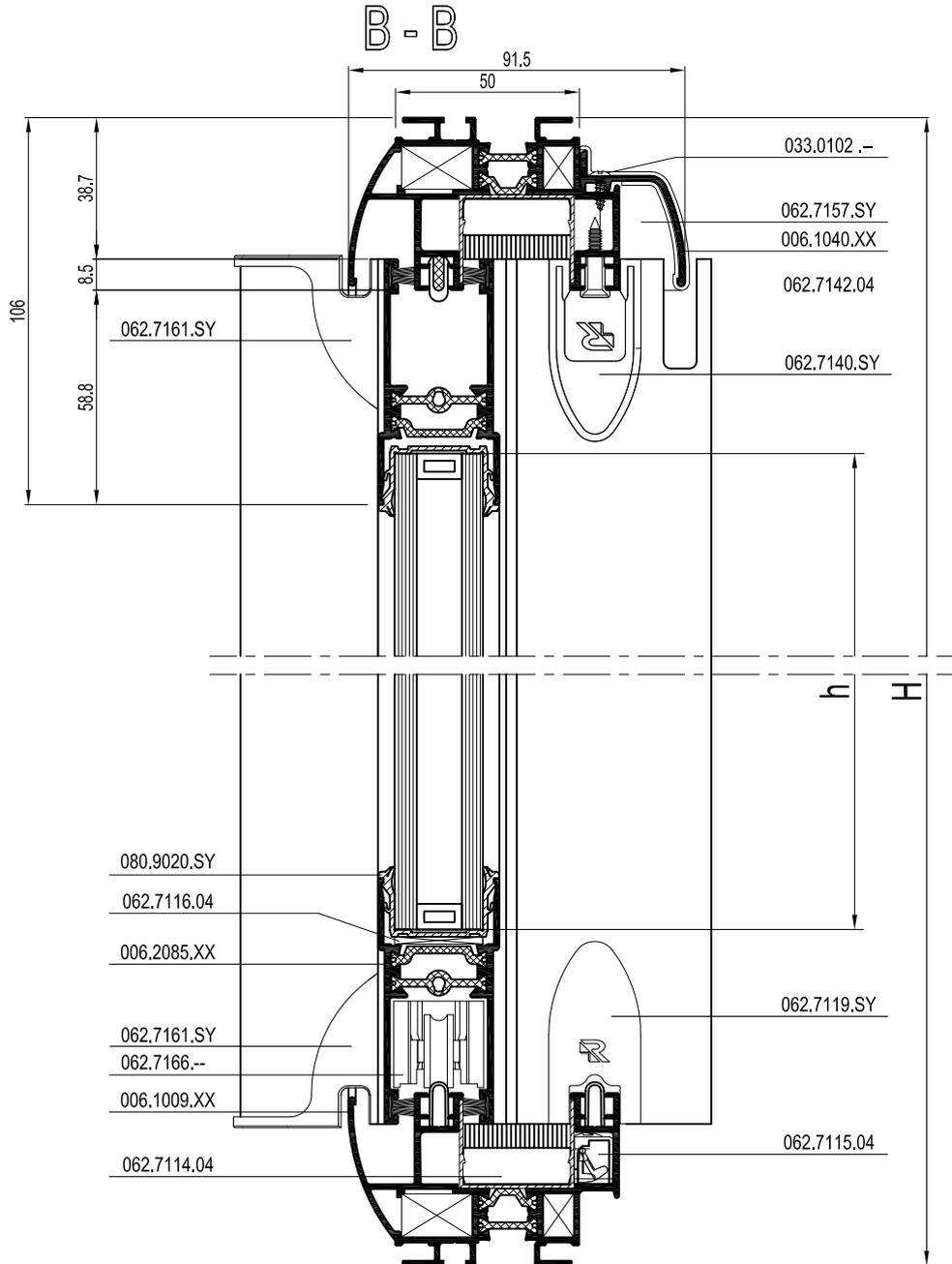
(b) Assembler avant de tronçonner  
Assembly before sawing

Remarques / Remarks

- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104

- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104



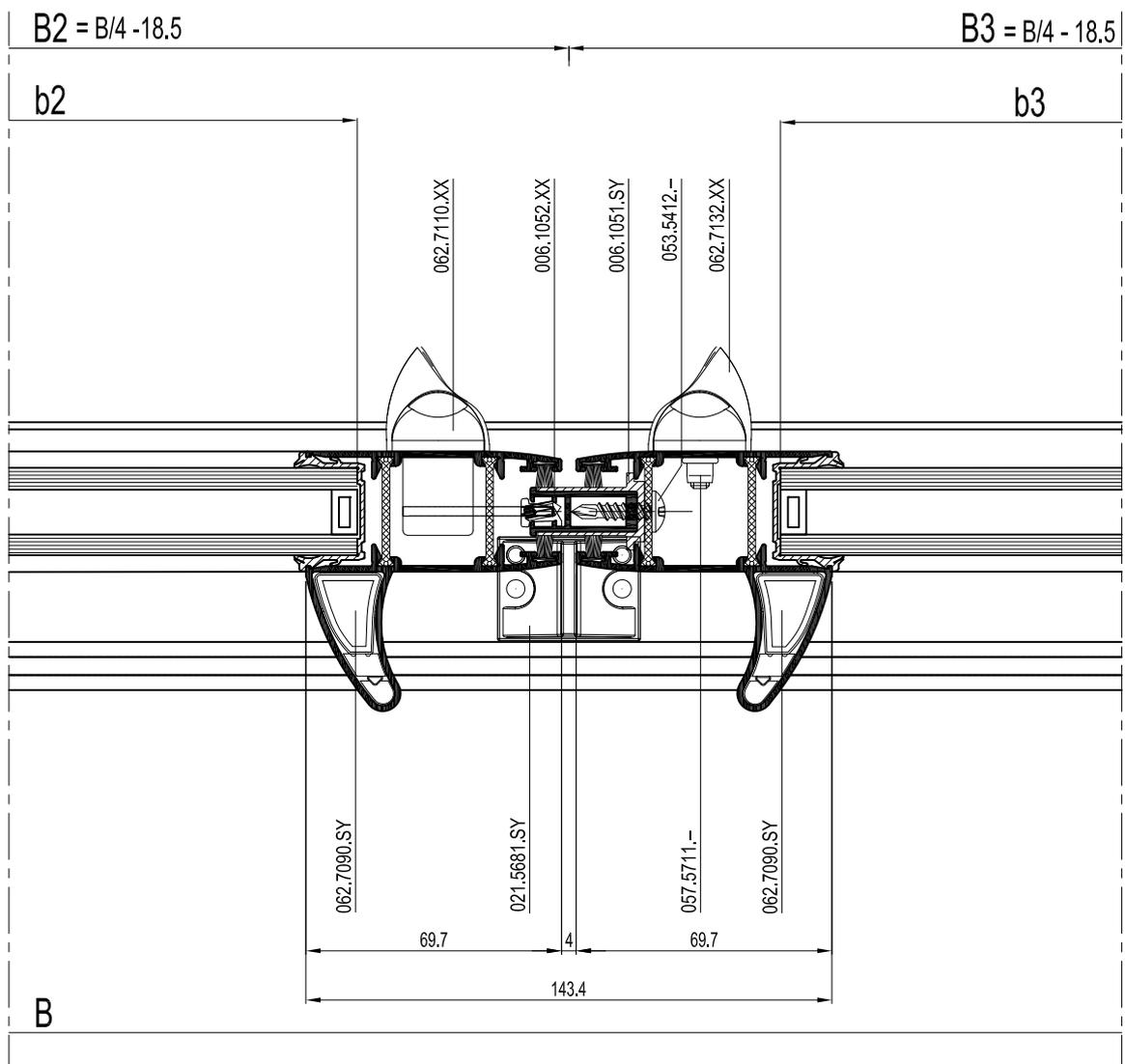


escala - échelle  
scale - Maßstab  
1/2



D1000415

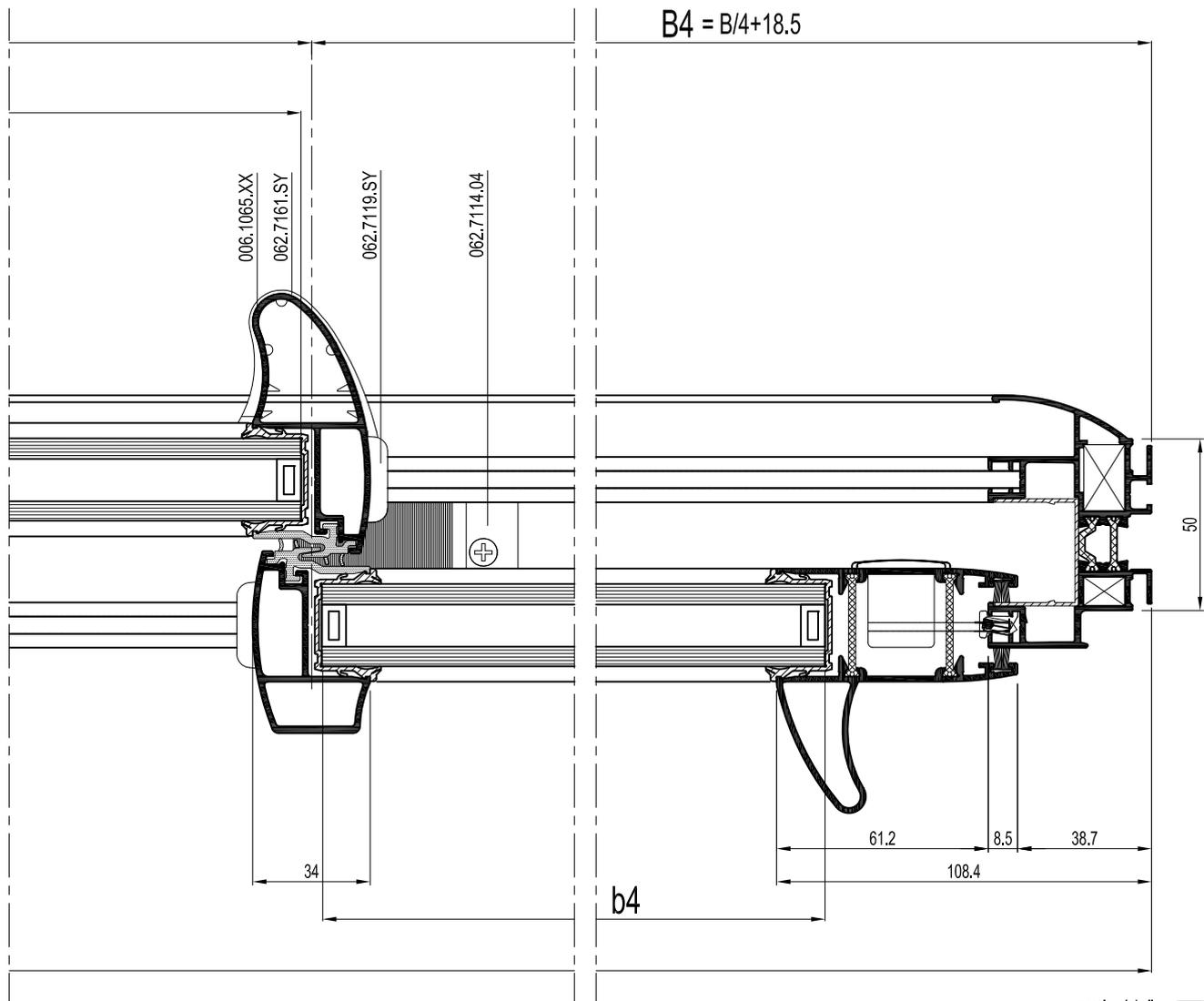
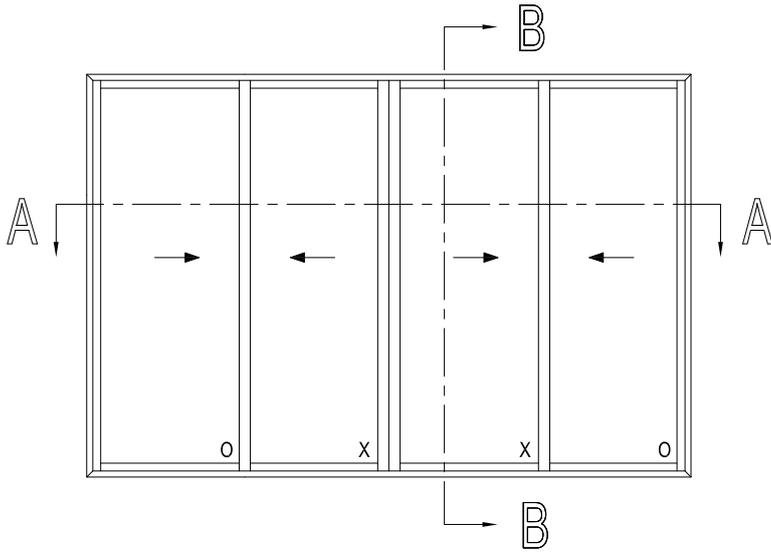




escala - échelle  
scale - Maßstab  
1/2



D1000416



escala - échelle  
scale - Maßstab  
1/2



D1000417

			#	$L_m$	
006.1009.XX			2	H	37F.c.001
			2	B	
006.1050.SY			2	H	37F.c.002
			2	B	
006.1062.XX			4	H - 77.5	37F.c.022
006.1067.XX			2	H - 77.5	37F.c.031
006.1065.XX			2	H - 77.5	37F.c.030
006.1099.SY			2	H - 77.5	37F.c.031
006.2085.XX			2	B1 - 93.5	37F.c.041
			2	B2 - 56.5	
			2	B3 - 56.5	
			2	B4 - 93.5	
006.1040.XX			1	B - 37	37F.c.052
006.1075.--			2	B - 78	37F.c.052
006.1051.SY			1	H - 165.5	37F.c.011
006.1052.XX			1	H - 165.5	37F.c.011

		#	
062.7125.00		4	37F.g.001
068.7650.00		4	37F.g.001
052.5325.--		16	37F.g.052
062.7164.--		4	37F.g.012
062.7166.--		4	37F.g.013
062.7105.--		3	37F.g.021
062.7106.XX		2	37F.g.021
062.7110.XX		1	37F.g.021
062.7132.XX		1	37F.g.022
062.7112.--		3	37F.g.025
062.7126.--		3	37F.g.025
062.7114.04		2	37F.g.031
062.7115.04		37F.f.068-069	37F.g.031
062.7090.SY		2	37F.g.034
021.5681.SY		2	37F.g.061
062.7116.04		8	37F.g.031
062.7117.04		8	37F.g.031
062.7118.04		6	37F.g.031
062.7119.SY		8	37F.g.032
062.7120.04		8	37F.g.032
062.7121.04		8	37F.g.032
062.7122.SY		2	37F.g.032
062.7123.01		4	37F.g.032
062.7142.04		4	37F.g.033
062.7147.SY		3	37F.g.034
062.7157.SY		2	37F.g.034
062.7161.SY		2	37F.g.035
081.9098.07		(4B)+(4H)	37F.g.042
080.9020.SY		(2xB)+(8xH)	37F.g.041
033.0102.--		3/m	37F.g.051
053.5412.--		4/m	37F.g.053
057.5711.--		2	37F.g.053

- Choix des autres fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

(a) Selon le poids du vantail  
According to the weight of the vent

(b) Assembler avant de tronçonner  
Assembly before sawing

Remarques / Remarks

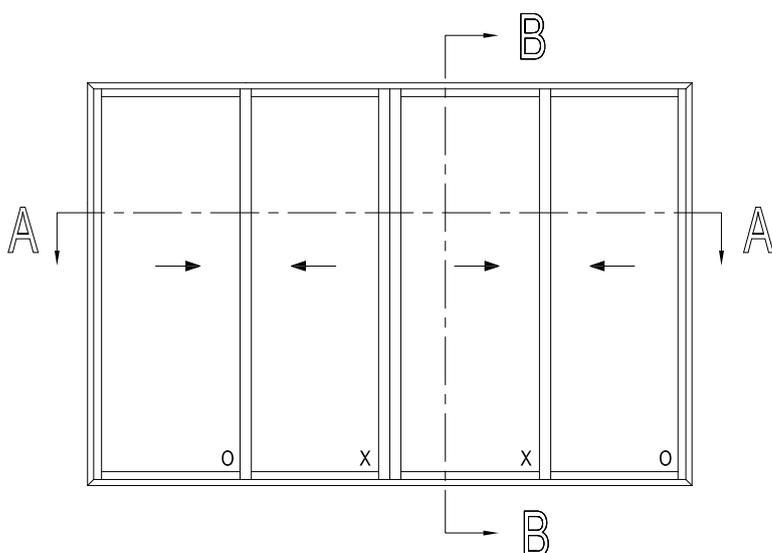
- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104

- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104

escala - échelle  
scale - Maßstab  
1/2



D1000417



	097.J900.00	or	-	or	-
	097.J800.00	or	-	or	-
	097.J800.00	or	-	or	-
	097.K000.00	or	-	or	097.0559.00

b1 = B1 - 97,5
b2 = B2 - 60,5
b3 = B3 - 60,5
b4 = B4 - 97,5
h = H - 184

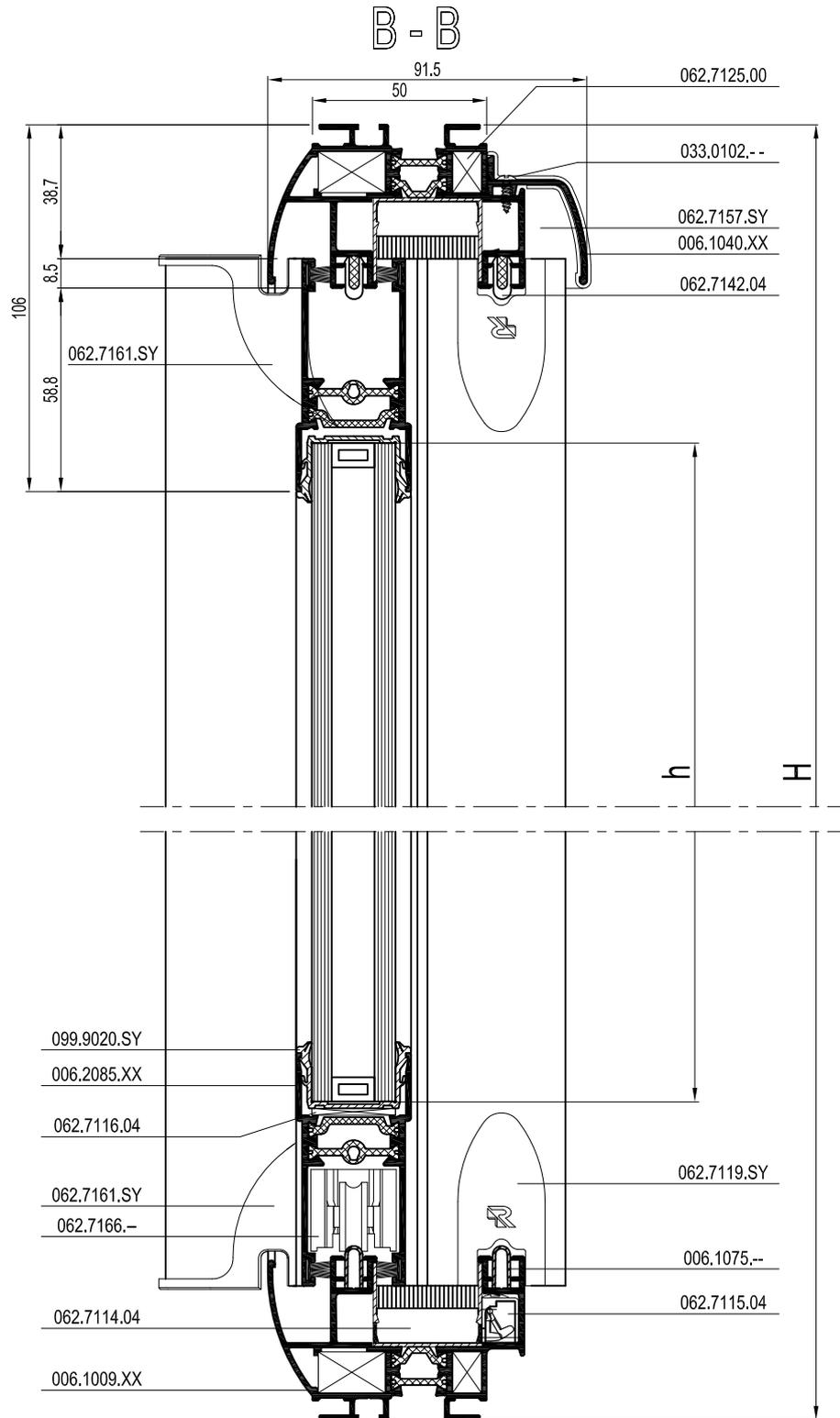
	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113
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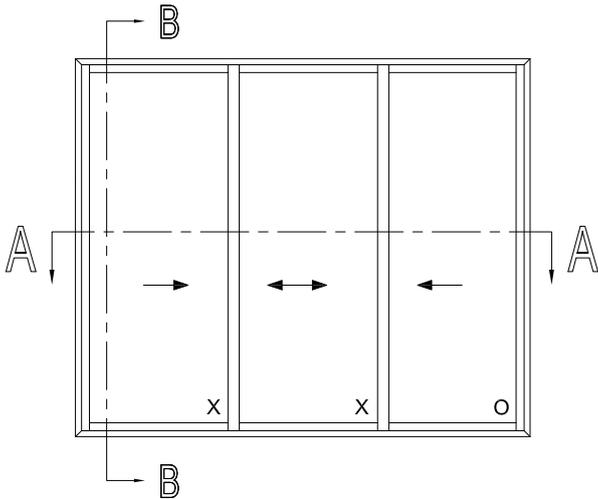
POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	voir pages 37F.f.016-017 see pages 37F.f.016-017
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	097.J900.00 voir pages 37F.f.114 à 37F.f.116 097.J900.00 see pages 37F.f.114 to 37F.f.116
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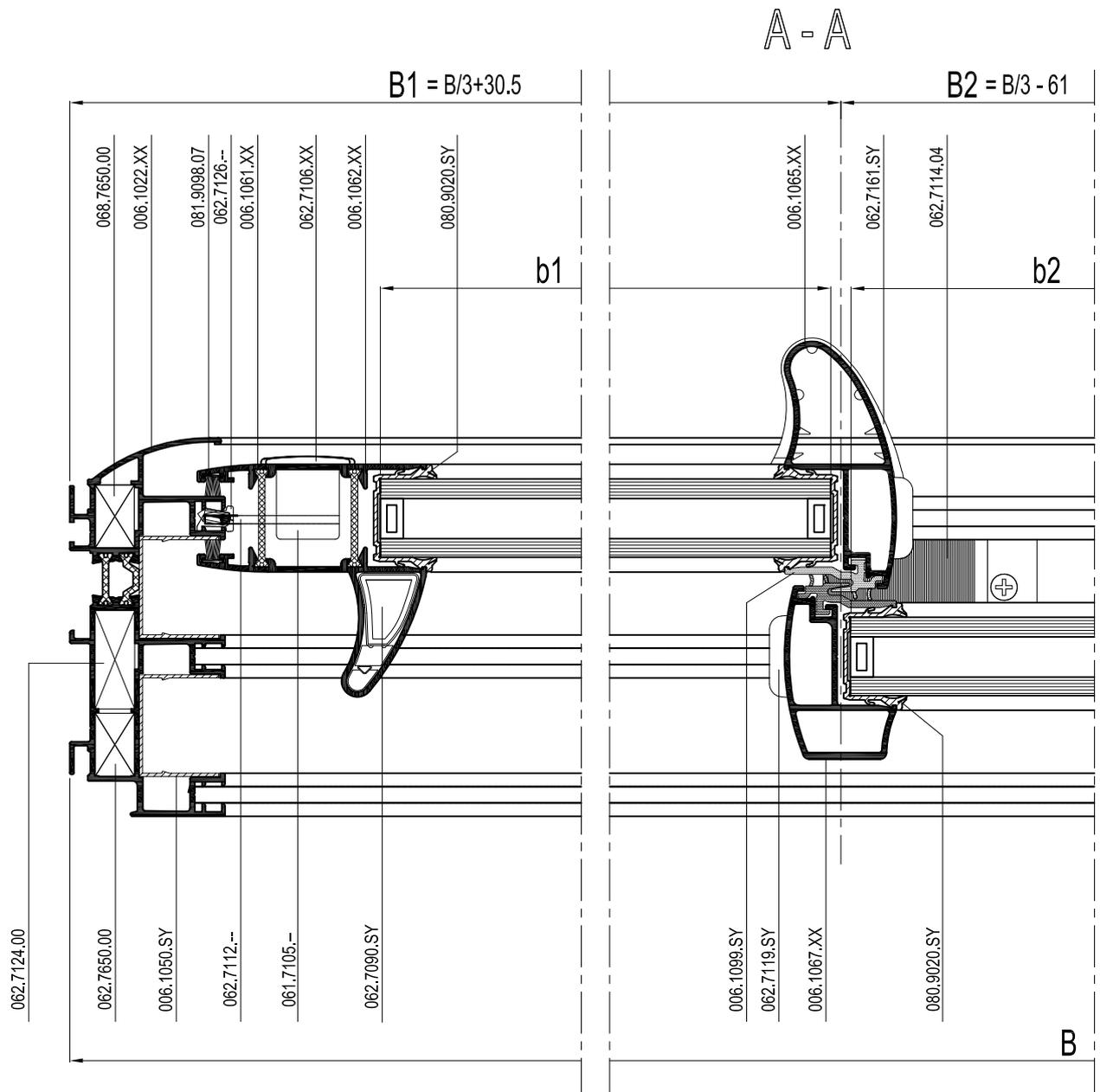
	097.0557.00 voir page 37F.f.094 097.0557.00 see page 37F.f.094
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	097.K000.00 voir pages 37F.f.118 à 37F.f.119 097.K000.00 see pages 37F.f.118 to 37F.f.119
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097.0557.00 voir page 37F.f.094  
097.0557.00 see page 37F.f.094



escala - échelle  
scale - Maßstab  
1/2



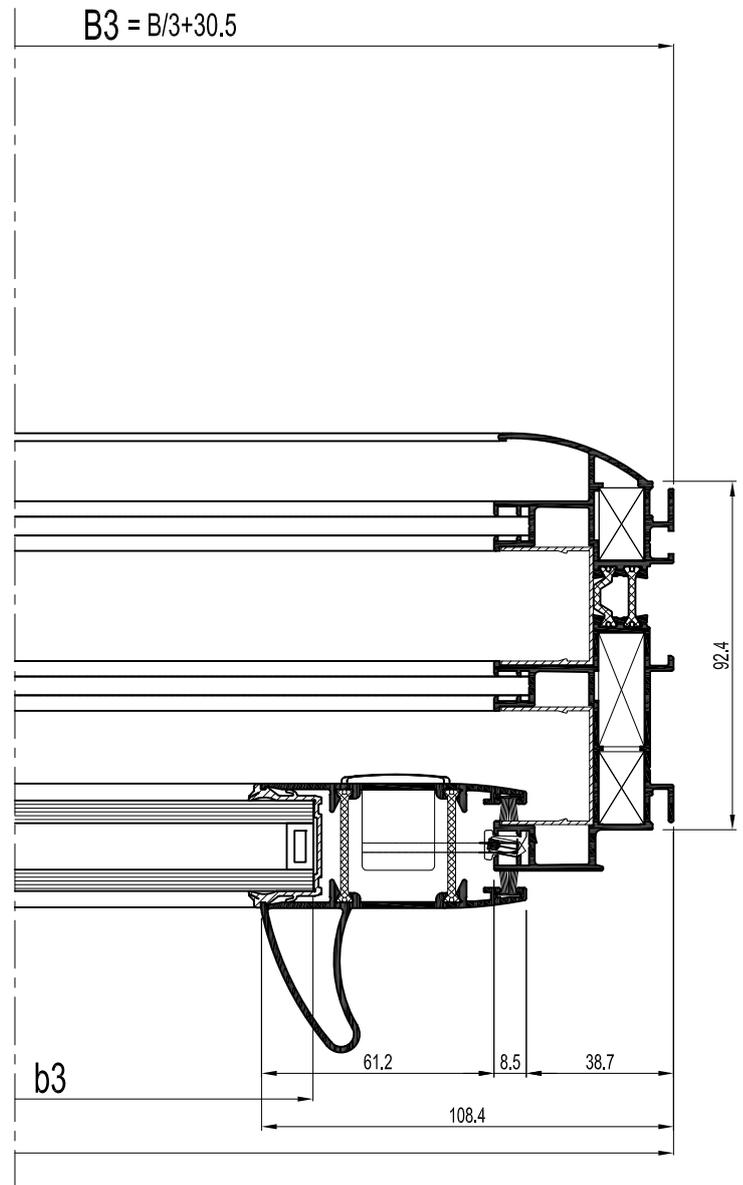
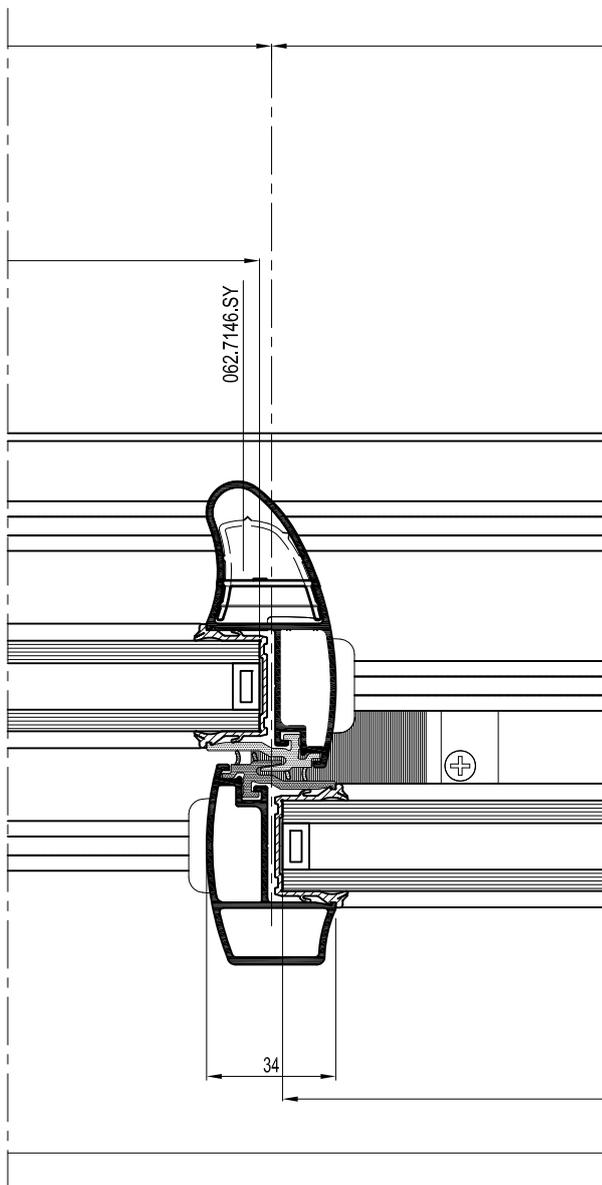
D1000419

	097.J900.00	or -	or -
	097.J800.00	or -	or -
	097.J800.00	or -	or -
	097.K000.00	or -	or 097.0559.00
	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113		

b1 = B1 - 97,5
b2 = B2 - 6
b3 = B3 - 97,5
h = H - 184
POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT
voir pages 37F.f.016-017 see pages 37F.f.016-017

	097.J900.00 voir pages 37F.f.114 à 37F.f.116 097.J900.00 see pages 37F.f.114 to 37F.f.116
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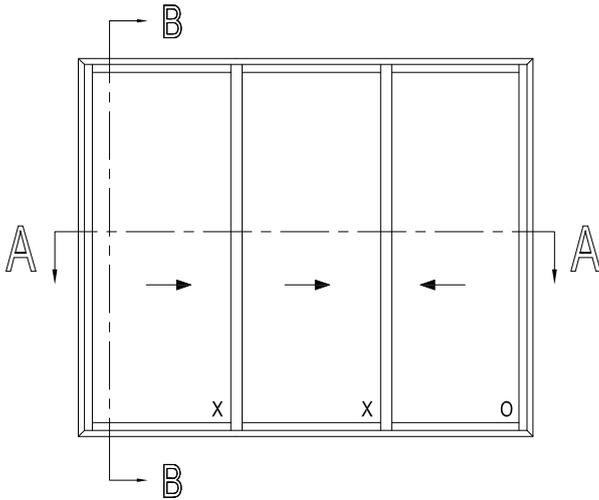
	097.K000.00 voir pages 37F.f.118 à 37F.f.119 097.K000.00 see pages 37F.f.118 to 37F.f.119
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escala - échelle  
scale - Maßstab  
1/2



D1000419



		#	
062.7124.00		4	37F.g.001
068.7650.00		8	37F.g.001
052.5325.--		12	37F.g.052
062.7164.--		3	37F.g.012
062.7166.--		3	37F.g.013
062.7105.--		2	37F.g.021
062.7106.XX		2	37F.g.021
062.7112.--		2	37F.g.025
062.7126.--		2	37F.g.025
062.7114.04		2	37F.g.031
062.7115.04		37F.f.070-071	37F.g.031
062.7090.SY		1	37F.g.034
062.7146.SY		1	37F.g.034
062.7116.04		6	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		8	37F.g.032
062.7120.04		4	37F.g.032
062.7121.04		8	37F.g.032
062.7123.01		4	37F.g.032
062.7142.04		4	37F.g.033
062.7147.SY		2	37F.g.034
062.7157.SY		2	37F.g.034
062.7161.SY		1	37F.g.035
081.9098.07		(4Xb)+(4XH)	37F.g.042
080.9020.SY		(2xB)+(6xH)	37F.g.041
033.0102.--		3/m	37F.g.051

(a)

(b)

			#	$\leftarrow L_m \rightarrow$	
006.1022.XX			2	H	37F.c.006
006.1050.SY			2	B	37F.c.002
006.1061.XX			2	H - 77.5	37F.c.022
006.1067.XX			2	H - 77.5	37F.c.031
006.1065.XX			2	H - 77.5	37F.c.030
006.1099.SY			4	H - 77.5	37F.c.031
006.2085.XX			2	B1-93.5	37F.c.041
			2	B2-2	
			2	B3-93.5	
006.1040.XX			1	B - 37	37F.c.052
006.1075.--			3	B - 78	37F.c.052

- Choix des fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

(a) Selon le poids du vantail  
According to the weight of the vent

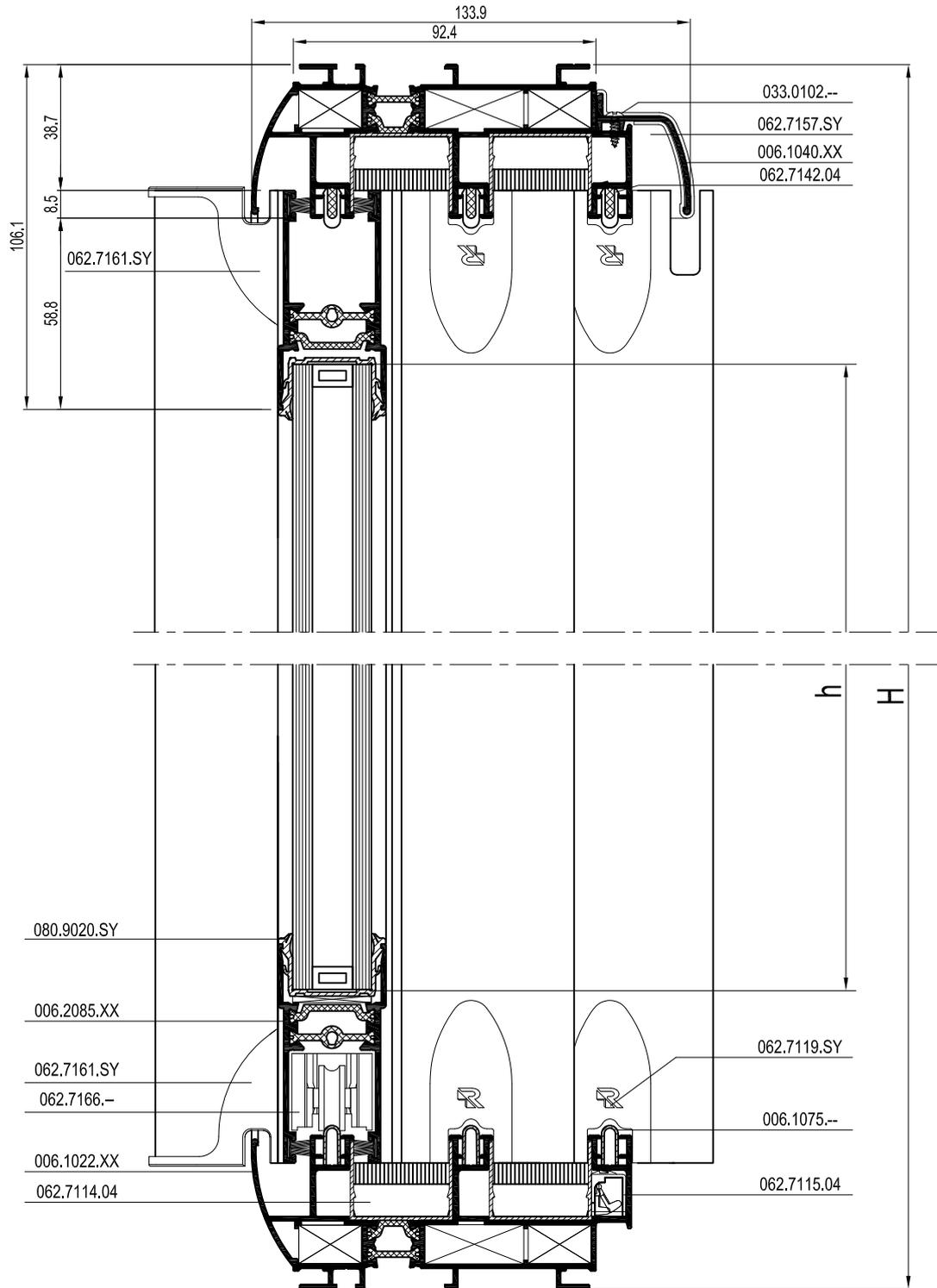
(b) Assembler avant de tronçonner  
Assembly before sawing

Remarques / Remarks

- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104

- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104

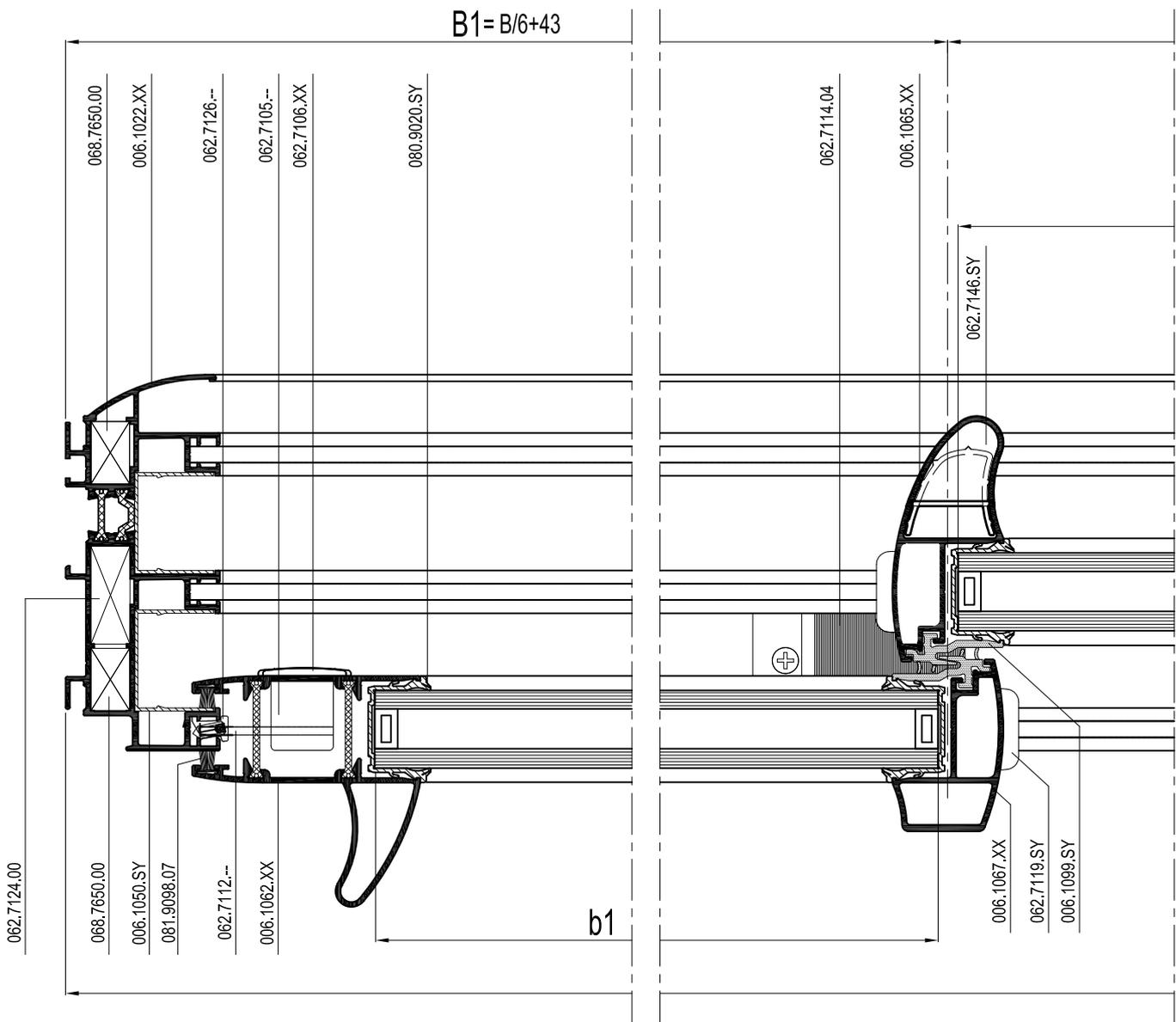
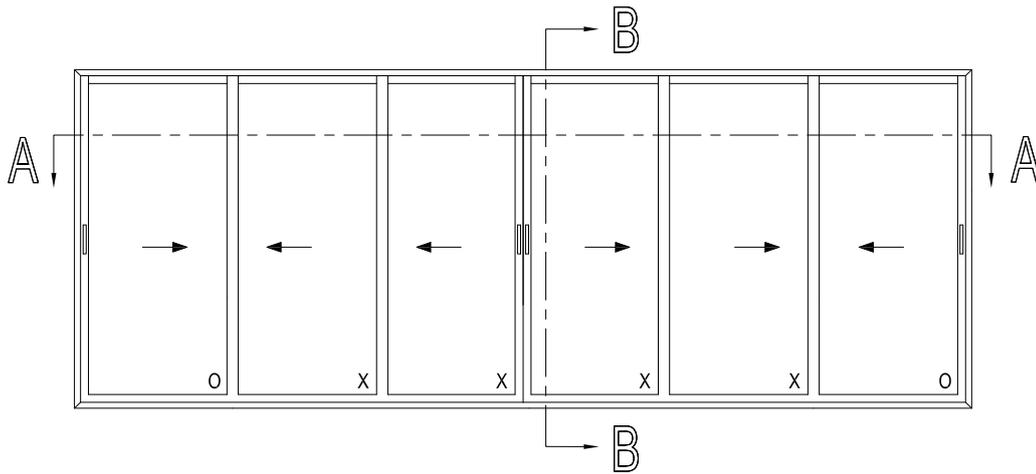
B - B



escala - échelle  
 scale - Maßstab  
 1/2



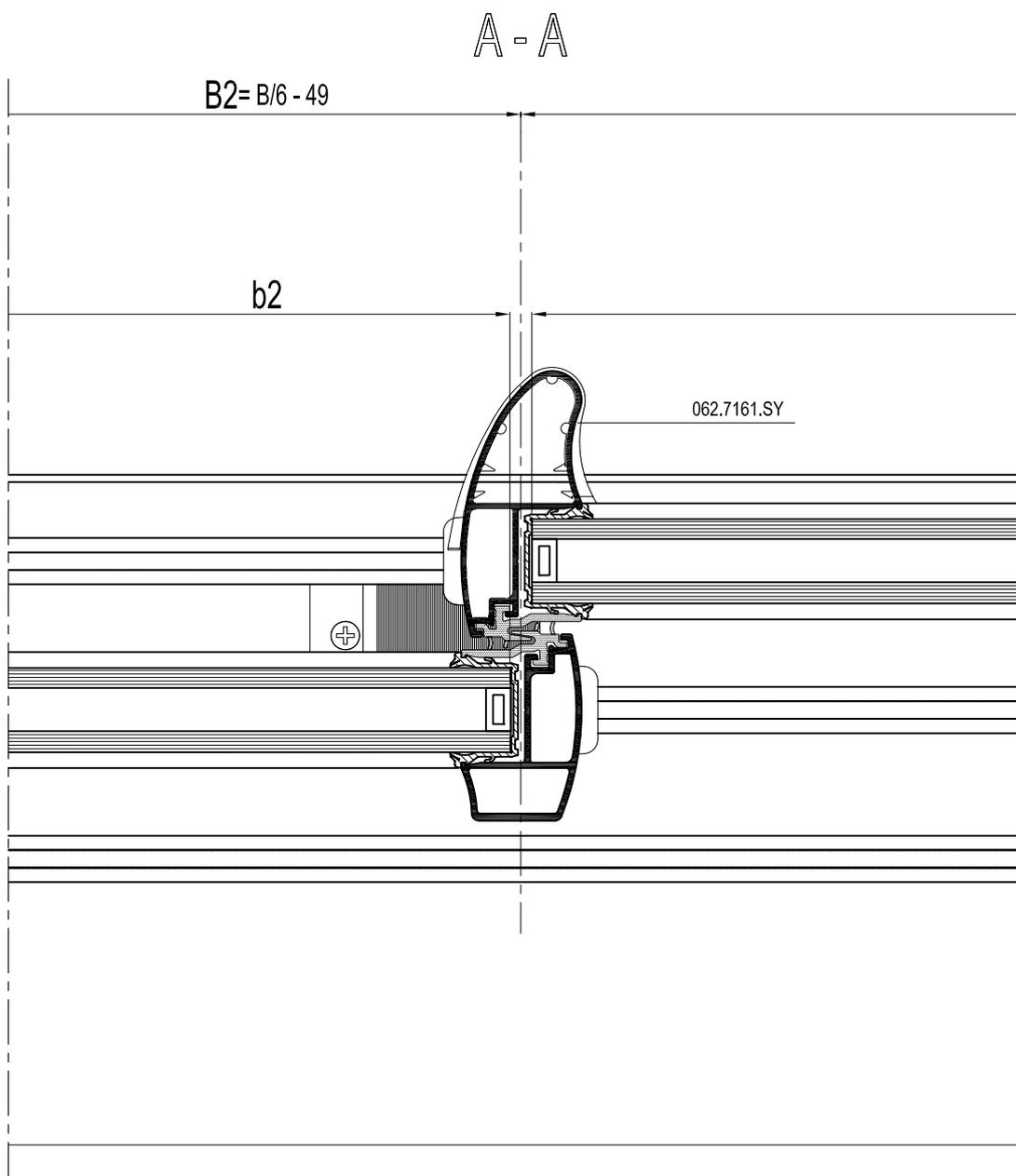
D1000420



escala - échelle  
scale - Maßstab  
1/2



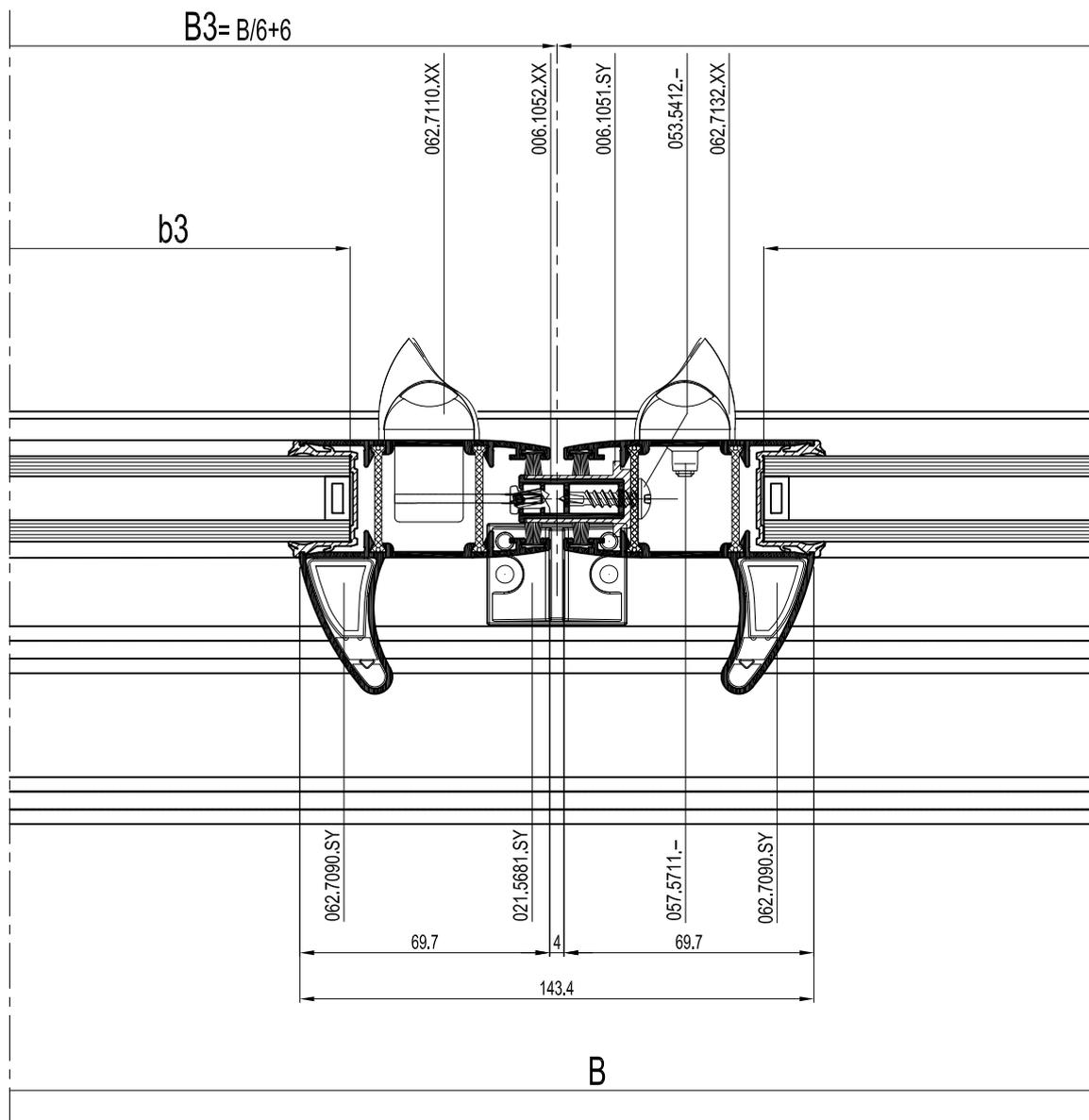
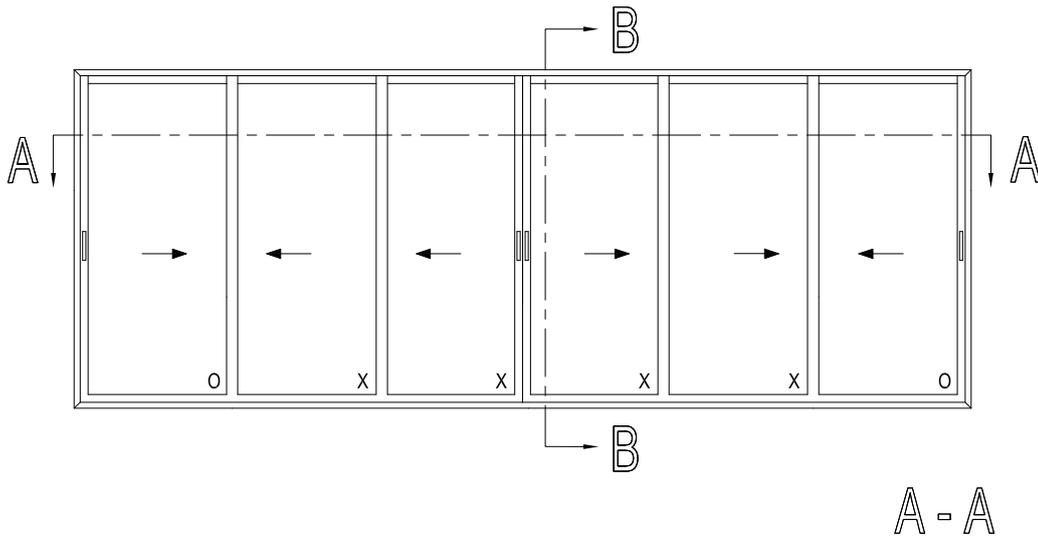
D1000421

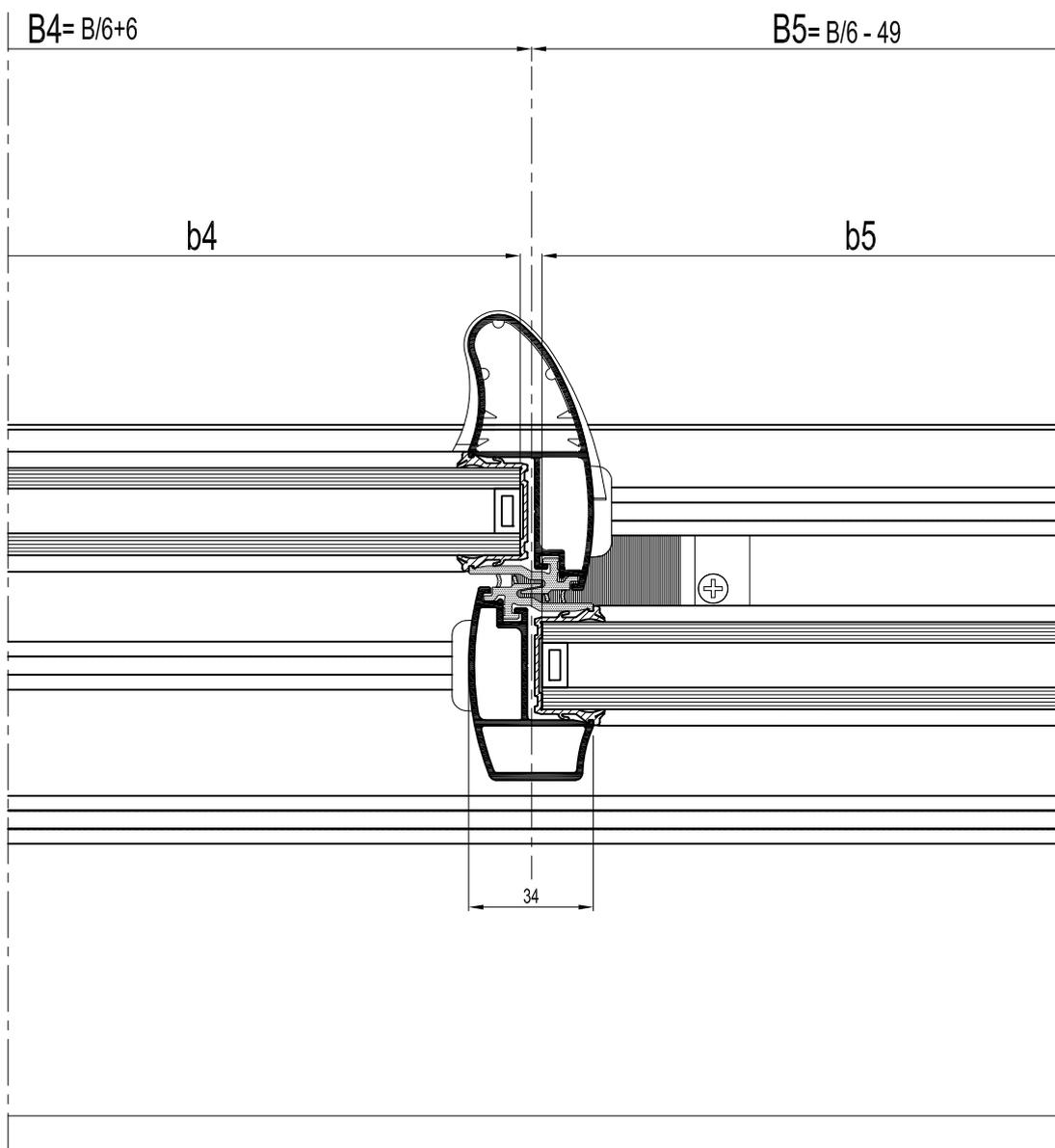


escala - échelle  
scale - Maßstab  
1/2



D1000421

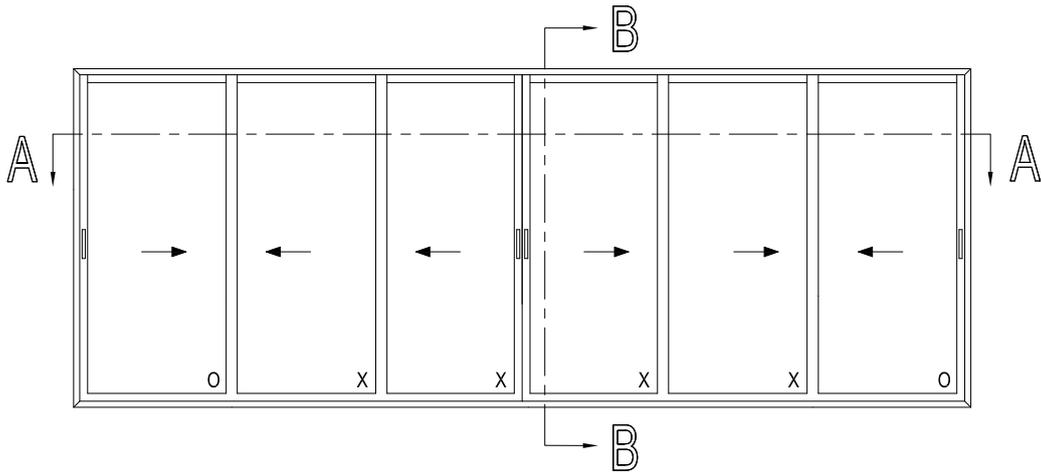




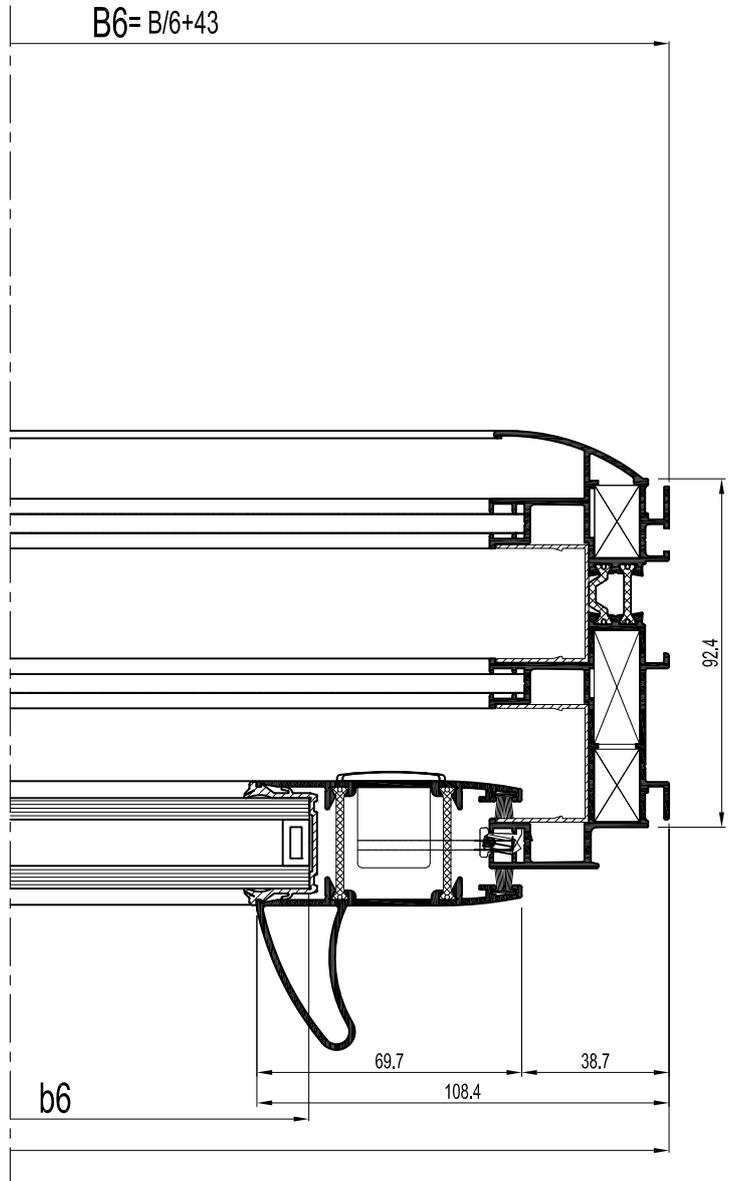
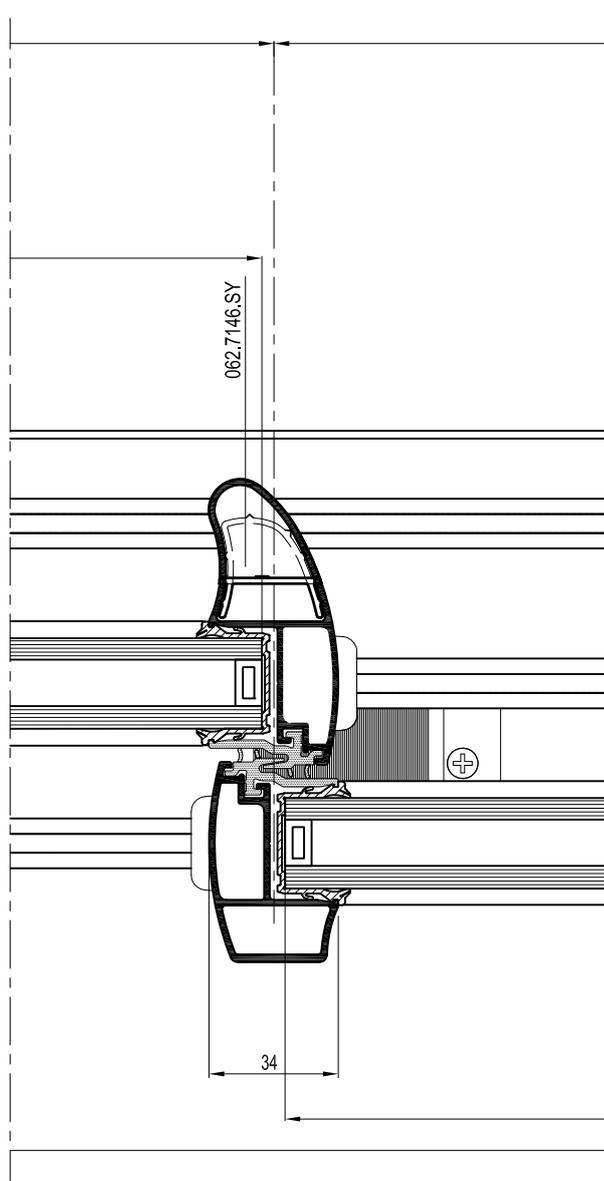
escala - échelle  
scale - Maßstab  
1/2



D1000422



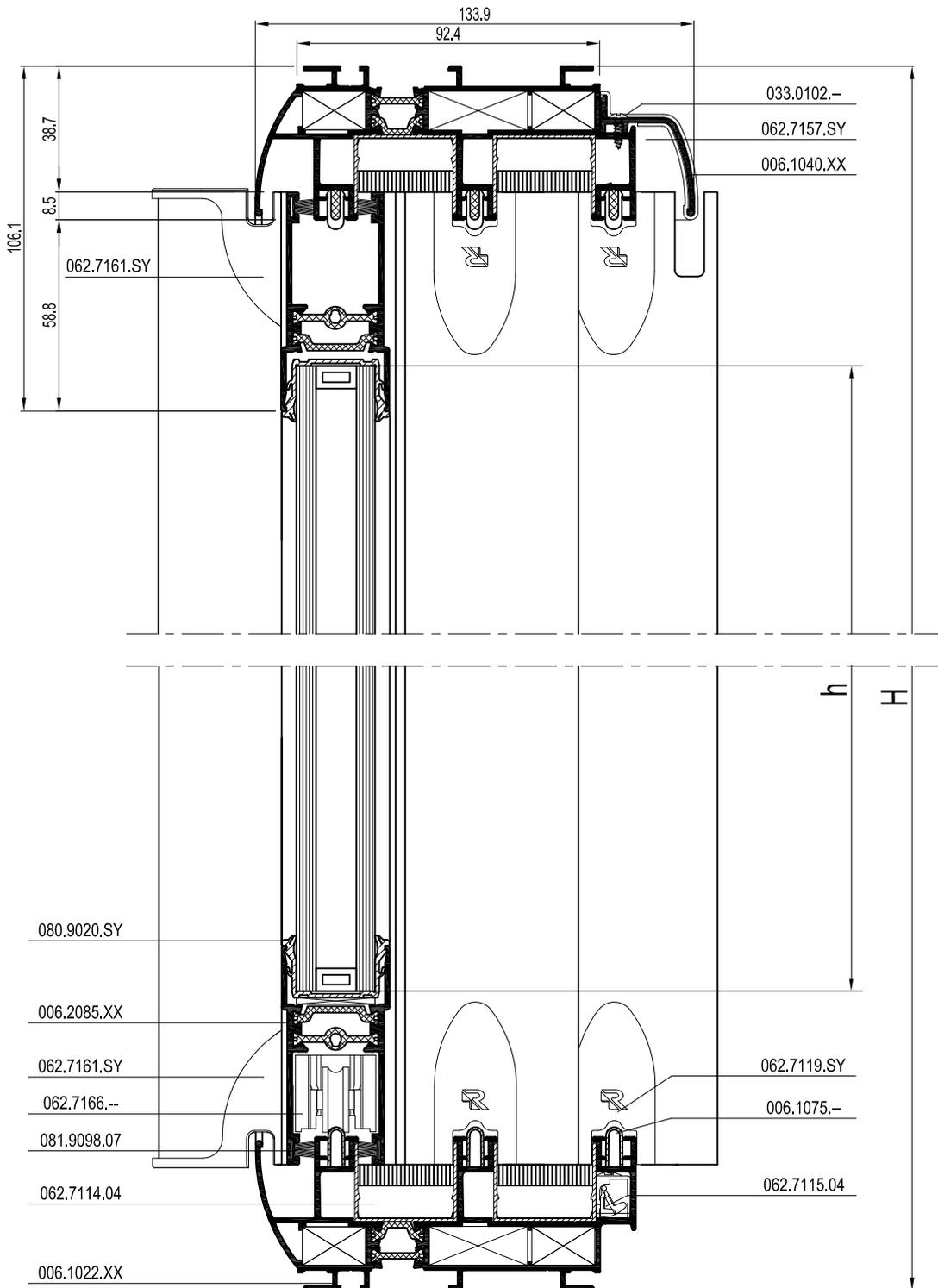
A - A



escala - échelle  
 scale - Maßstab  
 1/2



## B - B



escala - échelle  
scale - Maßstab  
1/2



			#	$\leftarrow L_m \rightarrow$	
006.1022.XX			2	H	37F.c.006
			2	B	
006.1050.SY			2	H	37F.c.002
			2	B	
006.1062.XX			4	H - 77.5	37F.c.022
006.1067.XX			4	H - 77.5	37F.c.031
006.1065.XX			4	H - 77.5	37F.c.030
006.1099.SY			8	H - 77.5	37F.c.031
006.2085.XX			2	B1-93.5	37F.C.041
			2	B2-2	
			2	B3-56.5	
			2	B4-56.5	
			2	B5-2	
			2	B6-93.5	
006.1040.XX			1	B-37	37F.c.052
006.1075.--			3	B - 78	37F.c.052
006.1051.SY			1	H - 165.5	37F.c.011
006.1052.XX			1	H - 165.5	37F.c.011

		#	
062.7124.00		4	37F.g.001
068.7650.00		8	37F.g.001
052.5325.--		24	37F.g.052
062.7164.--		6	37F.g.012
062.7166.--		6	37F.g.013
062.7105.--		3	37F.g.021
062.7106.XX		2	37F.g.021
062.7110.XX		1	37F.g.021
062.7112.--		3	37F.g.025
062.7126.--		3	37F.g.025
062.7132.XX		1	37F.g.022
021.5681.SY		2	37F.g.061
062.7114.04		4	37F.g.031
062.7115.04		37F.f.072-073	37F.g.031
062.7090.SY		2	37F.g.034
062.7146.SY		2	37F.g.034
062.7116.04		12	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		16	37F.g.032
062.7120.04		8	37F.g.032
062.7121.04		16	37F.g.032
062.7122.SY		2	37F.g.032
062.7123.01		8	37F.g.032
062.7142.04		8	37F.g.033
062.7147.SY		3	37F.g.034
062.7157.SY		2	37F.g.034
062.7161.SY		2	37F.g.035
081.9098.07		(4XB)+(8XH)	37F.g.042
080.9020.SY		(2XB)+(12XH)	37F.g.041
033.0102.--		3/m	37F.g.051
053.5412.--		4/m	37F.g.053
057.5711.--		2	37F.g.053

(b)

(a)

- Choix des fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

(a) Selon le poids du vantail  
According to the weight of the vent

(b) Assembler avant de tronçonner  
Assembly before sawing

Remarques / Remarks

- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104

- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104

			
	097.J900.00	or -	or -
	097.J800.00	or -	or -
	097.J800.00	or -	or -
	097.K000.00	or -	or 097.0559.00


b1 = B1 - 98
b2 = B2 - 6
b3 = B3 - 61
b4 = B4 - 61
b5 = B5 - 6
b6 = B6 - 98
h = H - 184

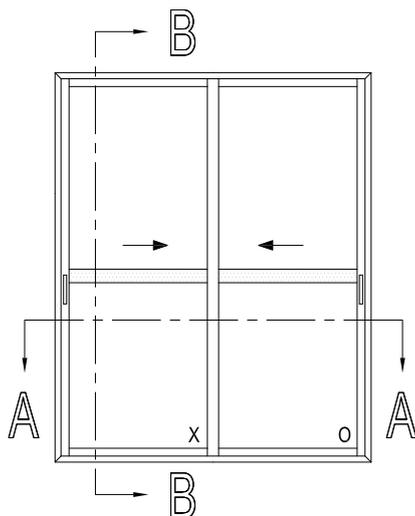
	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113
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	097.J900.00 voir pages 37F.f.114 à 37F.f.116 097.J900.00 see pages 37F.f.114 to 37F.f.116
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	097.K000.00 voir pages 37F.f.118 à 37F.f.119 097.K000.00 see pages 37F.f.118 to 37F.f.119
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	097.0557.00 voir page 37F.f.094 097.0557.00 see page 37F.f.094
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POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	voir pages 37F.f.016-017 see pages 37F.f.016-017
---	---



A - A  
Voir pages 37F.e.006-007  
See pages 37F.e.006-007

(b)

			#	Ln	
006.1009.XX			2	H	37F.c.001
			2	L	
006.1050.SY			2	H	37F.c.002
			2	B	
006.1062.XX			2	H - 77.5	37F.c.022
006.1067.XX			1	H - 77.5	37F.c.031
006.1065.XX			1	H - 77.5	37F.c.030
006.1099.SY			2	H - 77.5	37F.c.031
006.1040.XX			1	B-37	37F.c.052
006.1075.--			2	B - 78	37F.c.052
006.2085.XX			2	B1 - 93.5	37F.c.041
			2	B2 - 93.5	
006.2086.XX			1	B1 - 93.5	37F.c.041
			1	B2 - 93.5	

(a)

		#	
062.7125.00		4	37F.g.001
068.7650.00		4	37F.g.001
052.5325.--		12	37F.g.052
062.7164.--		2	37F.g.012
062.7166.--		2	37F.g.013
062.7105.--		2	37F.g.021
062.7106.XX		2	37F.g.021
062.7112.--		2	37F.g.025
062.7126.--		2	37F.g.025
062.7114.04		2	37F.g.031
062.7115.04		37F.f.062-063	37F.g.031
062.7090.SY		1	37F.g.034
062.7116.04		8	37F.g.031
062.7117.04		4	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		4	37F.g.032
062.7120.04		4	37F.g.032
062.7121.04		4	37F.g.032
062.7123.01		2	37F.g.032
062.7142.04		2	37F.g.033
062.7147.SY		2	37F.g.034
062.7157.SY		2	37F.g.034
062.7161.SY		2	37F.g.035
080.9020.SY		(2xB)+(4XH)	37F.g.041
081.9098.07		(2XB)+(4XH)	37F.g.042
033.0102.--		3/m	37F.g.051
021.5044.SY		4	37F.g.025

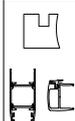
	097.J900.00	or -	or -
	097.J800.00	or -	or -
	097.J800.00	or -	or -
	097.J800.00	or -	or -
	097.K000.00	or -	or 097.0559.00

097.J800.00 voir pages 37F.f.110 à 37F.f.113  
097.J800.00 see pages 37F.f.110 to 37F.f.113

097.J900.00 voir pages 37F.f.114 à 37F.f.116  
097.J900.00 see pages 37F.f.114 to 37F.f.116

097.K000.00 voir pages 37F.f.118 à 37F.f.119  
097.K000.00 see pages 37F.f.118 to 37F.f.119

- Choix des fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056



097.0557.00 voir page 37F.f.094  
097.0557.00 see page 37F.f.094

escala - échelle  
scale - Maßstab  
1/2

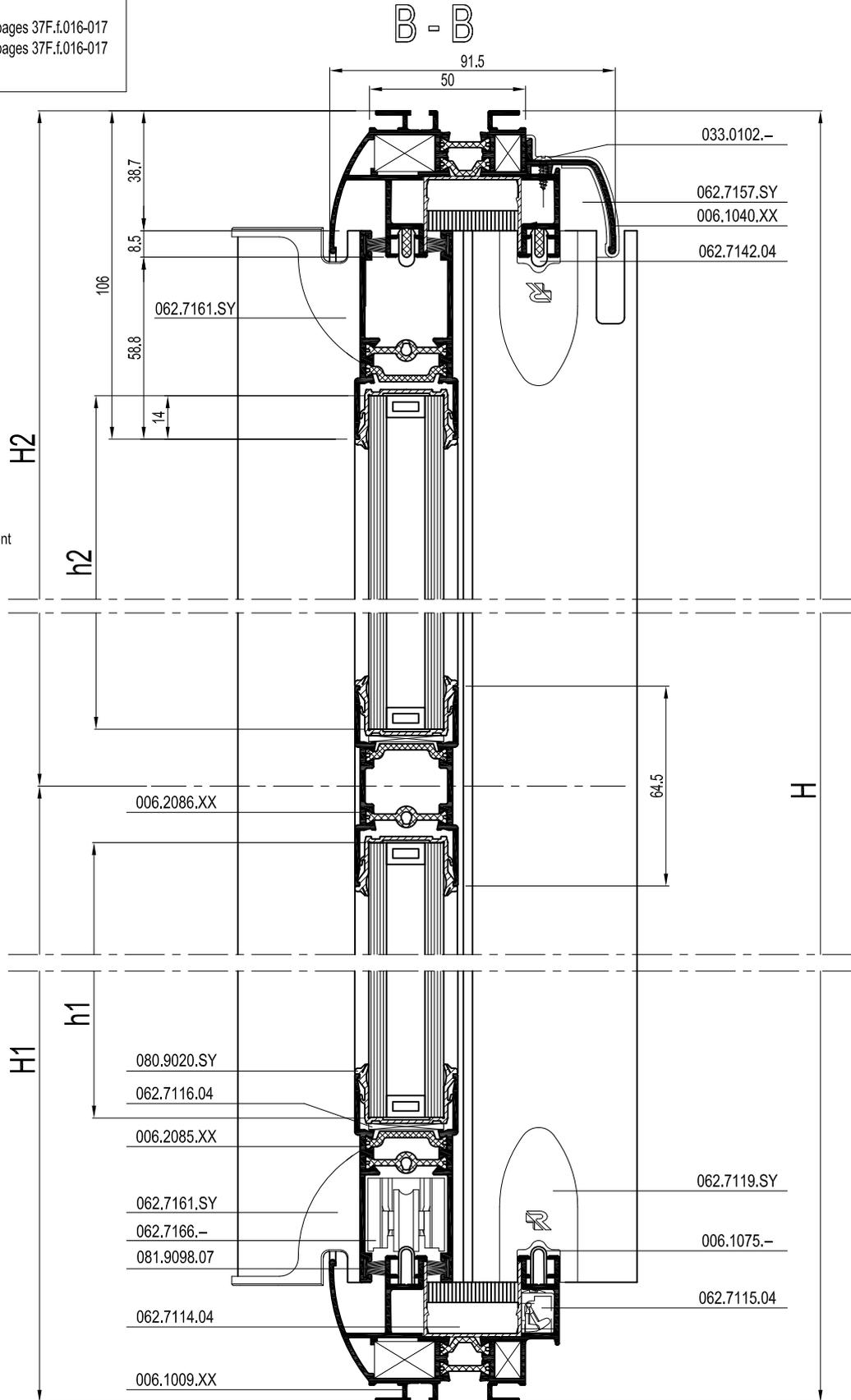


D1000425

POIDS MAXI DU VANTAIL  
 MAX WEIGHT OF THE VENT

voir pages 37F.f.016-017  
 see pages 37F.f.016-017

b1 = B1 - 97.5
b2 = B2 - 97.5
h1 = H1 - 110
h2 = H2 - 110



Remarques / Remarks

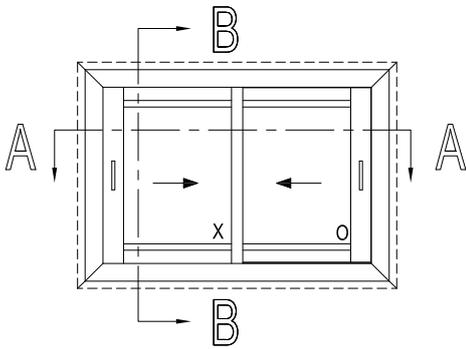
- Choix des montants latéraux : voir pages 37F.c.101-104  
 - Choice of side vents : see pages 37F.c.101-104

- Choix des montants centraux : voir pages 37F.c.101-104  
 - Choice of central vents : see pages 37F.c.101-104

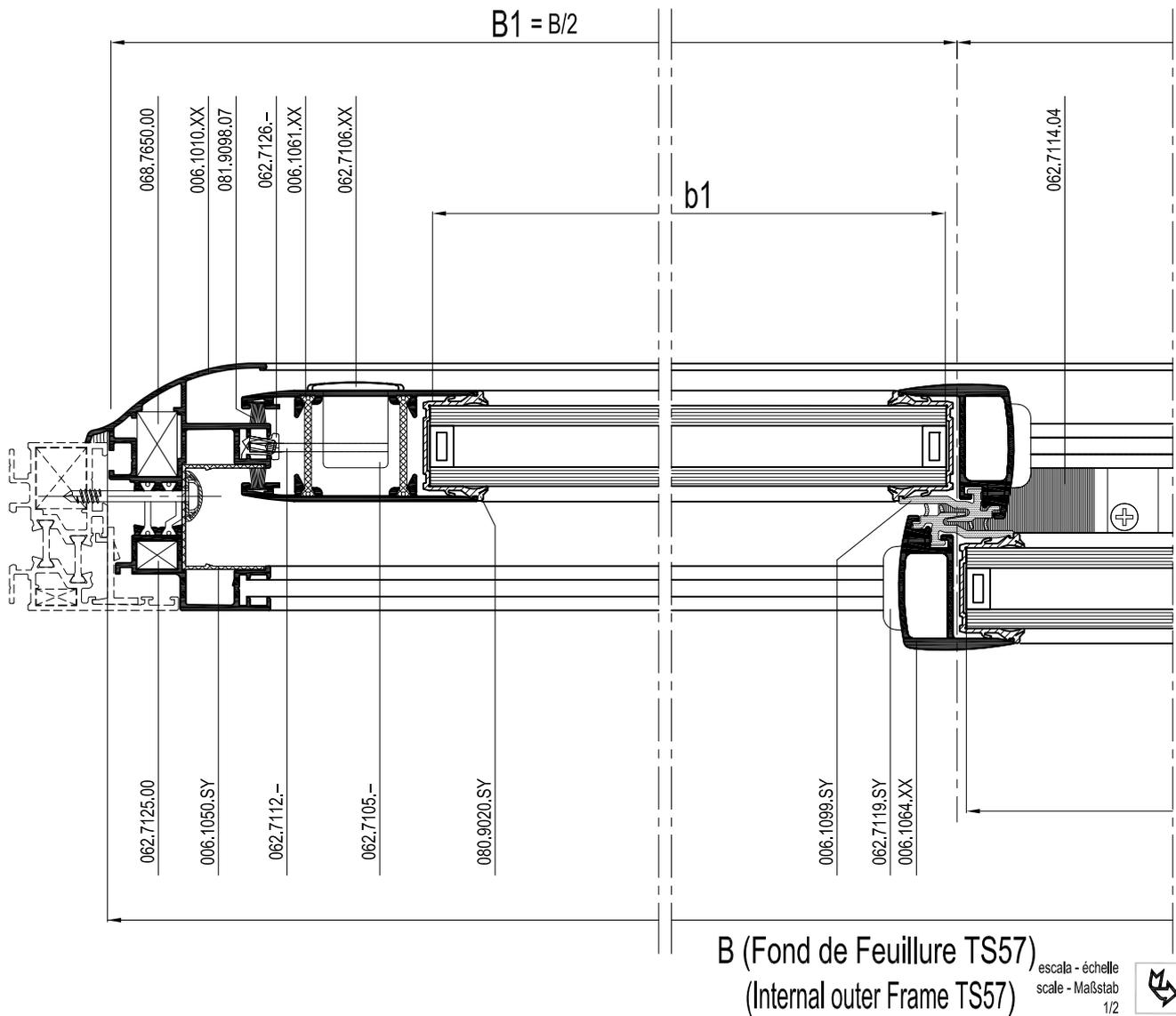
escala - échelle  
 scale - Maßstab  
 1/2



D1000425



A - A



	-	or	-
	097.J900.00	or	-
	097.J800.00	or	-
	097.J800.00	or	-
	097.K000.00	or	-
	-	or	097.0562.00
	-	or	-
	-	or	-
	-	or	097.0559.00



b1 = B1 - 98.5
b2 = B2 - 98.5
h = H - 186

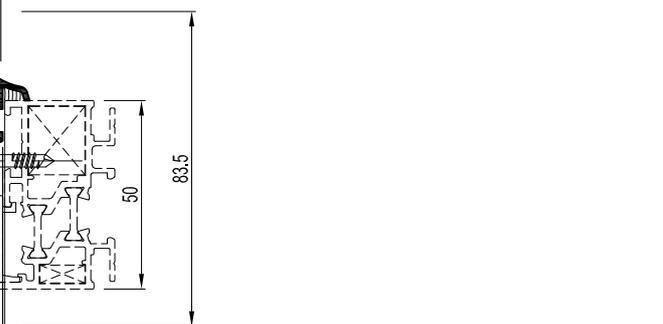
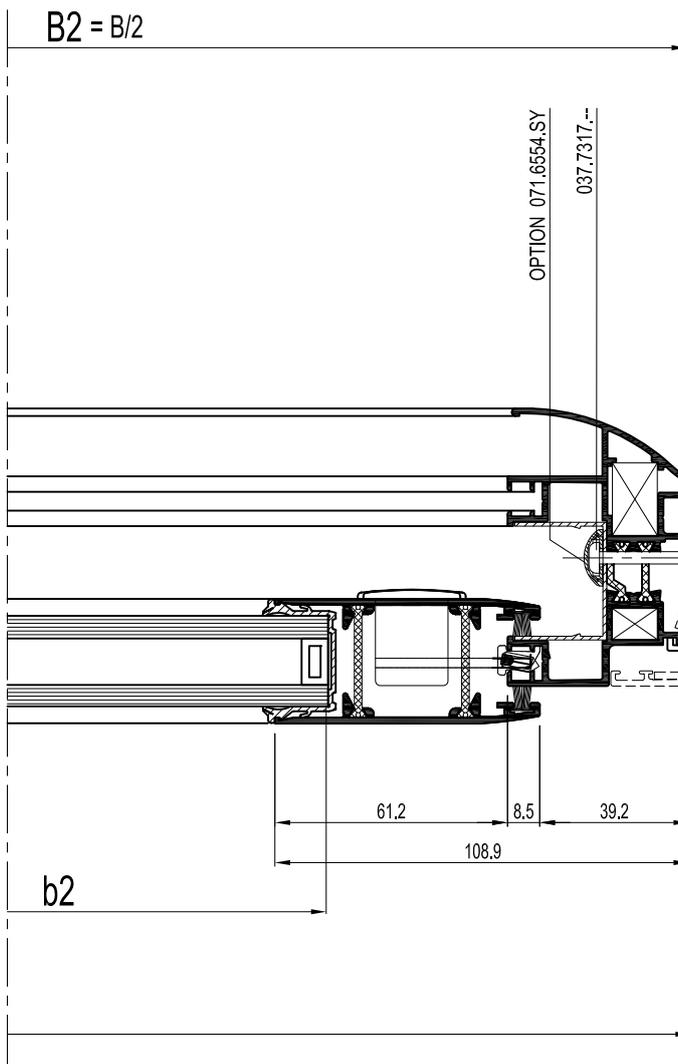
POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	voir pages 37F.f.016-017 see pages 37F.f.016-017
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	097.0562.00 voir page 37F.f.120 097.0562.00 see page 37F.f.120
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	097.K000.00 voir pages 37F.f.118 à 37F.f.119 097.K000.00 see pages 37F.f.118 to 37F.f.119
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	097.J800.00 voir pages 37F.f.110 à 37F.f.113 097.J800.00 see pages 37F.f.110 to 37F.f.113
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	097.J900.00 voir pages 37F.f.114 à 37F.f.116 097.J900.00 see pages 37F.f.114 to 37F.f.116
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	097.0557.00 voir page 37F.f.094 097.0557.00 see page 37F.f.094
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			#	$L_m$	
006.1010.XX			2	H + 13	37F.c.002
			2	B + 13	
006.1050.SY			2	H + 13	37F.c.002
			2	B + 13	
006.1061.XX			2	H - 79.5	37F.c.022
006.1064.XX			2	H - 79.5	37F.c.030
006.1099.SY			2	H - 79.5	37F.c.031
006.2085.XX			2	B1 - 94.5	37F.c.041
			2	B2 - 94.5	
006.1075.--			2	B - 79	37F.c.052
011.0767.XX			1	B - 43	37F.c.051

		#	
062.7125.00		4	37F.g.001
068.7650.00		4	37F.g.001
037.7317.--		3/ml	37F.g.051
052.5325.--		8	37F.g.052
024.5521.--		3/ml	37F.g.051
062.7163.--		2	37F.g.012
062.7165.--		2	37F.g.012
062.7105.--		2	37F.g.021
062.7106.XX		4	37F.g.021
062.7112.--		2	37F.g.025
062.7126.--		2	37F.g.025
062.7114.04		1	37F.g.031
062.7115.04		37F.f.062-063	37F.g.031
062.7116.04		4	37F.g.031
062.7118.04		4	37F.g.031
062.7119.SY		4	37F.g.032
062.7120.04		4	37F.g.032
062.7121.04		4	37F.g.032
062.7123.01		2	37F.g.032
062.7142.04		2	37F.g.033
062.7144.04		3/m	37F.g.033
062.7147.SY		2	37F.g.034
081.9098.07		(4B)+(4H)	37F.g.042
080.9020.SY		(2xB)+(4xH)	37F.g.041

OPTION

071.6554.SY		3/ml	37F.g.036
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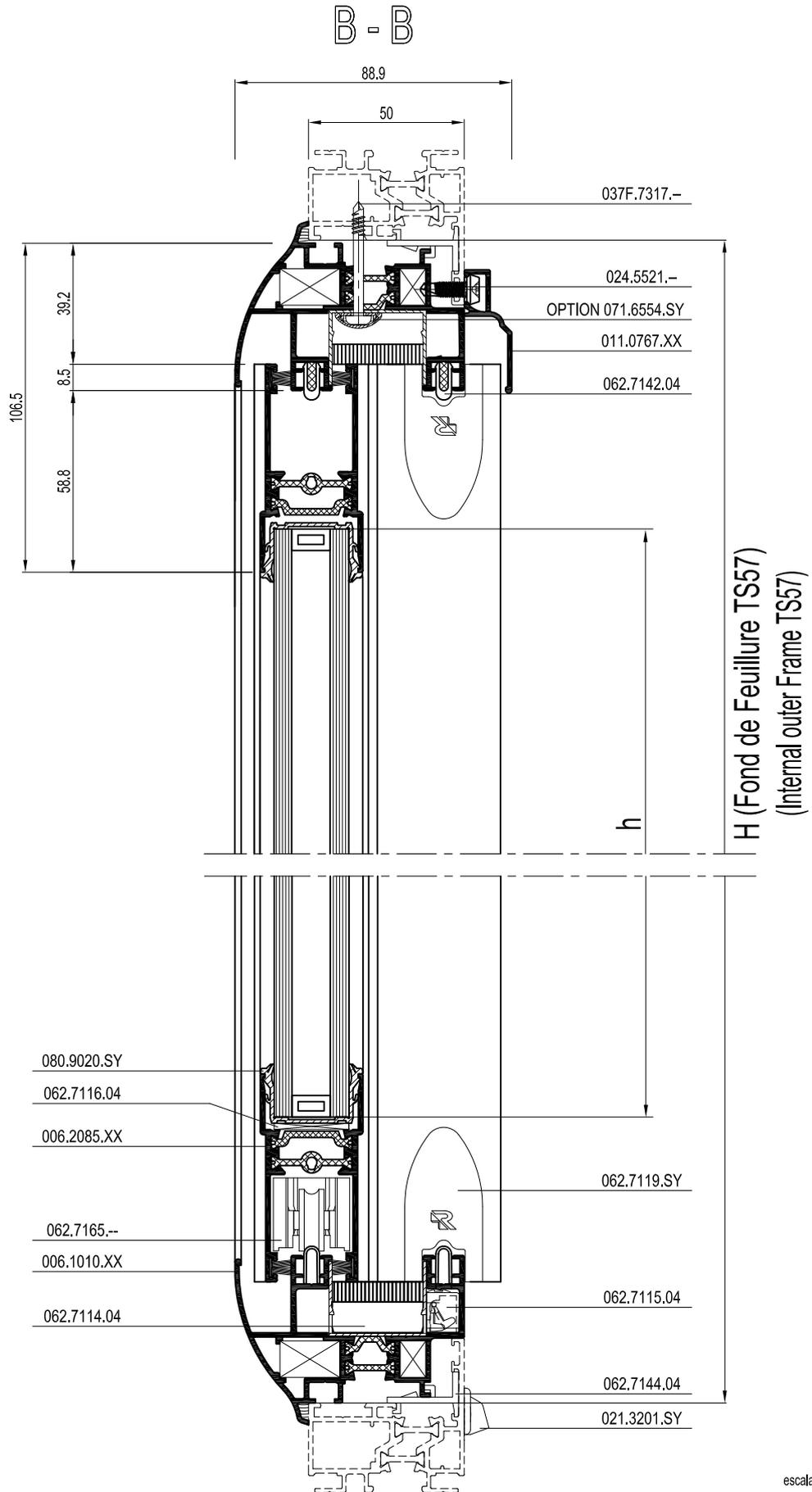
- Choix des fermetures : voir pages 37F.f.038-056  
- Lock choice : see pages 37F.f.038-056

(a) Selon le poids du vantail  
According to the weight of the vent

(b) Assembler avant de tronçonner  
Assembly before sawing  
Montage vor dem Sägen

 Remarques / Remarks

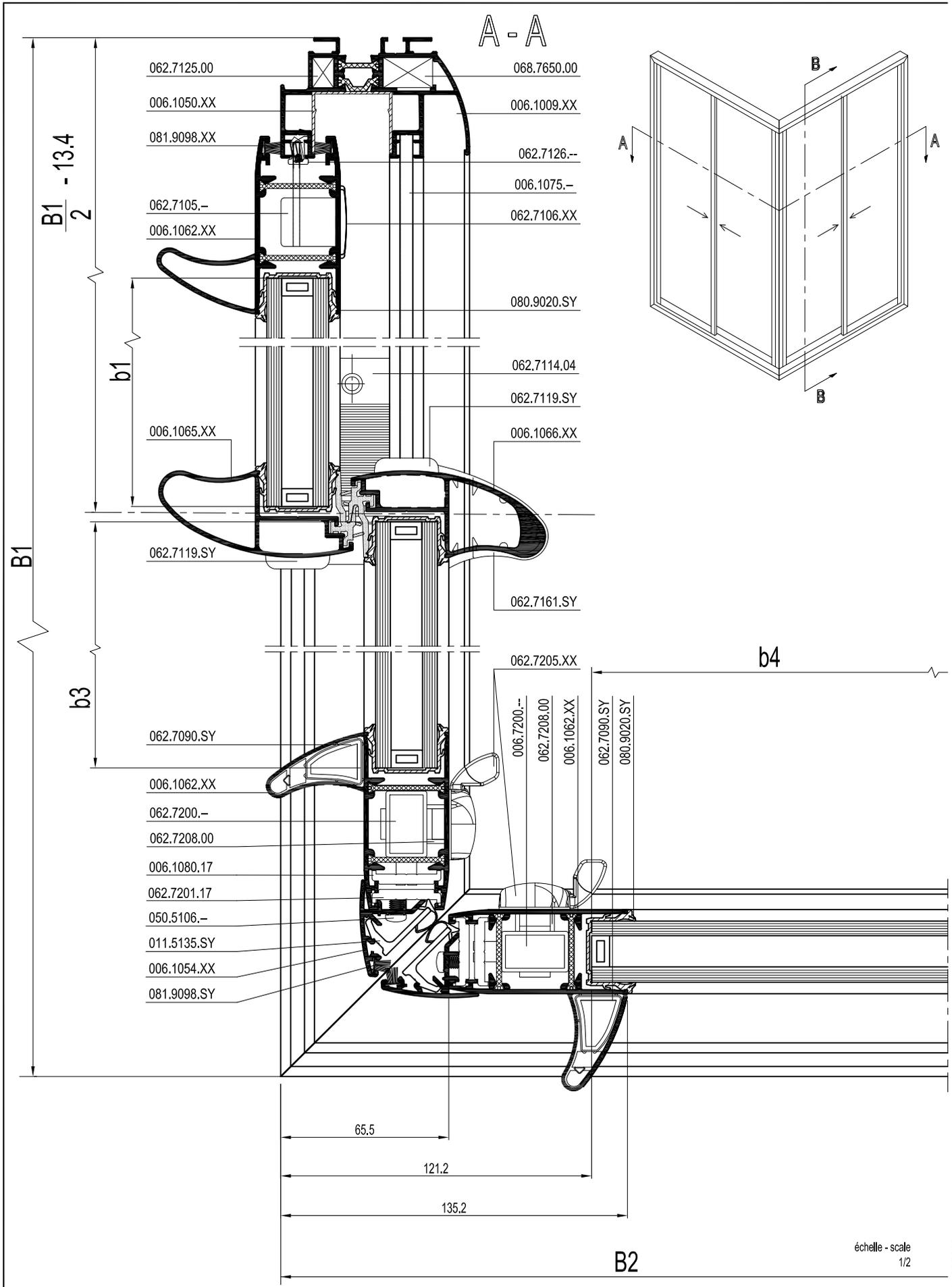
- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104  
- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104



escala - échelle  
scale - Maßstab  
1/2



D1000427



	097.J900.00	or	-	or	-
	097.J800.00	or	-	or	-
	097.J800.00	or	-	or	-
	097.K000.00	or	-	or	097.0559.00
	097.K000.00	or	-	or	097.0759.00

097.J800.00 voir pages 37F.f.110 à 37F.f.113  
097.J800.00 see pages 37F.f.110 to 37F.f.113

b1=b3=B1/2 - 111  
b2=b4=B2/2 - 111  
h = H - 184

POIDS MAXI DU VANTAIL  
MAX WEIGHT OF THE VENT

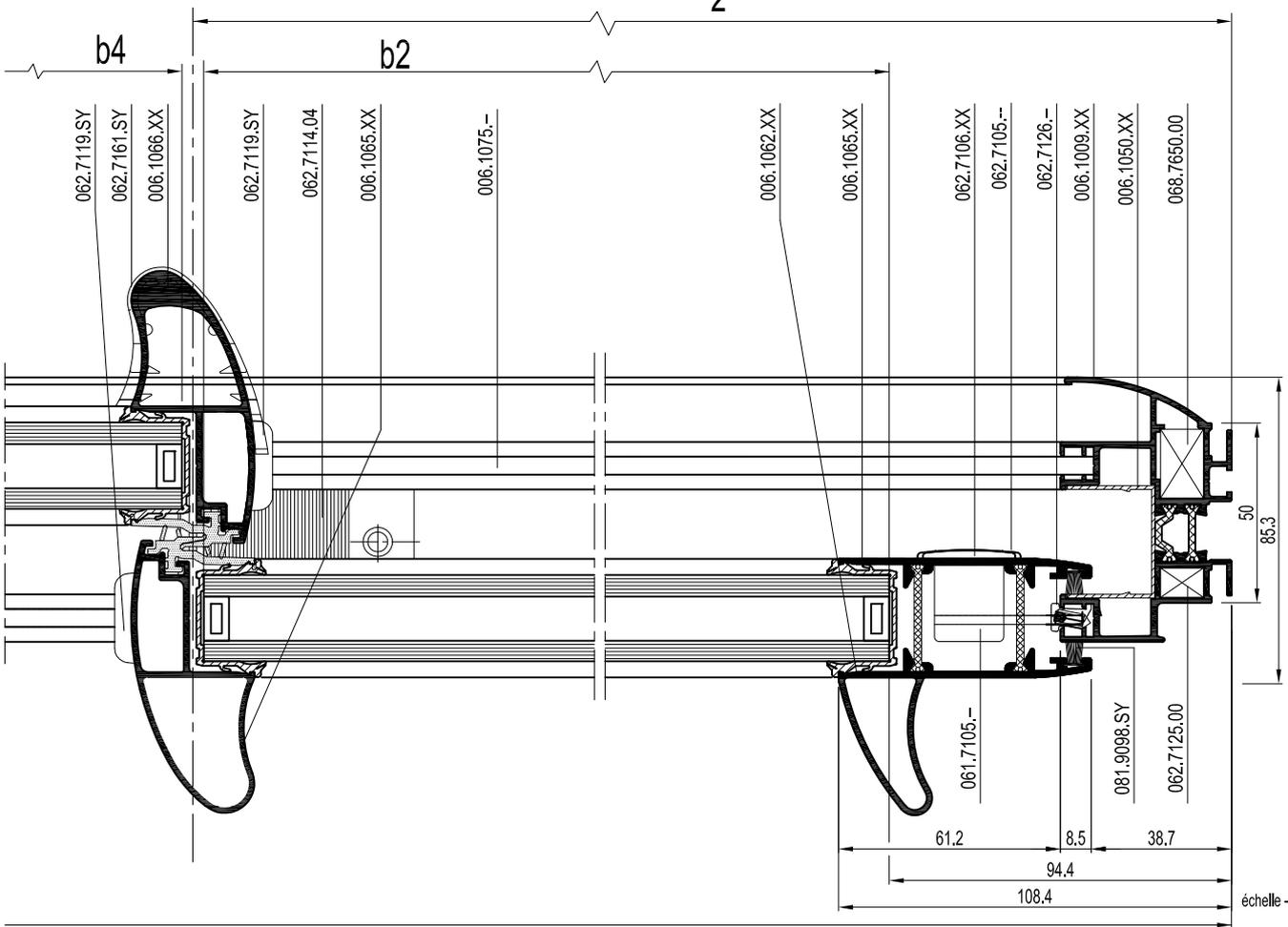
voir pages 37F.f.016-017  
see pages 37F.f.016-017

097.J900.00 voir pages 37F.f.114 à 37F.f.116  
097.J900.00 see pages 37F.f.114 to 37F.f.116

097.K000.00 voir pages 37F.f.118 à 37F.f.119  
097.K000.00 see pages 37F.f.118 to 37F.f.119

097.0557.00 voir page 37F.f.094  
097.0557.00 see page 37F.f.094

$$\frac{B2}{2} - 13.4$$



			#	$\leftarrow L_m \rightarrow$	
006.1009.XX			2	H	37F.C.001
			2	B1	
			2	B2	
006.1050.SY			2	H	37F.C.002
			2	B1	
			2	B2	
006.1077.04			1	B1-85	37F.C.052
			1	B1-42	
			1	B2-85	
			1	B2-42	
006.1040.XX			1	B1 - 3	37F.c.052
			1	B2 - 3	
006.1062.XX			2	H - 77.5	37F.c.022
006.1063.XX			2	H - 77.5	37F.c.023
006.1065.XX			2	H - 77.5	37F.c.030
006.1066.XX			2	H - 77.5	37F.c.031
006.1099.XX			4	H - 77.5	37F.c.031
006.1054.XX			2	H - 77.5	37F.c.043
011.5135.SY			2	H - 105	37F.c.043
006.2085.XX			4	B1 /2 - 106.8	37F.c.041
			4	B2 /2 - 106.8	
006.1080.00			4	37F.f.028-029	37F.c.043

(b)

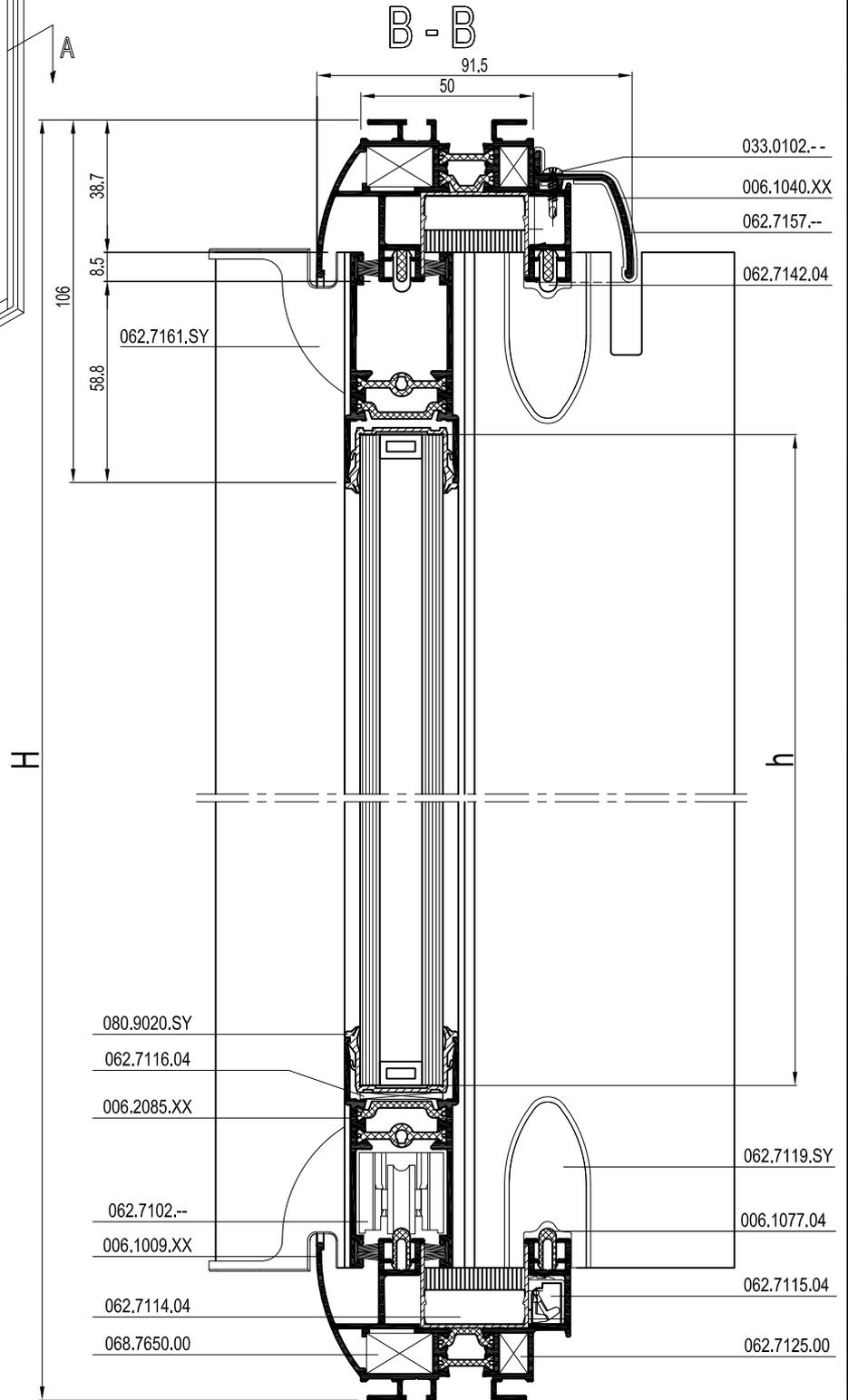
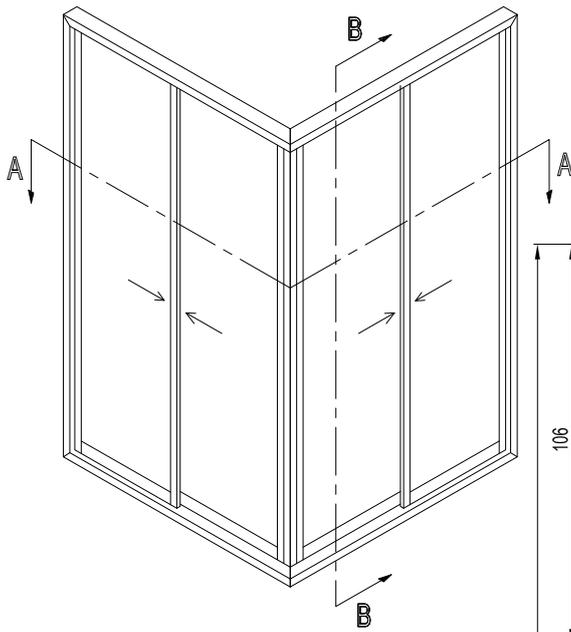
		#	
062.7125.00		4	37F.g.001
062.7204.00		2	37F.g.002
068.7567.00		2	37F.g.002
068.7568.00		2	37F.g.002
068.7650.00		4	37F.g.001
062.7090.SY		2	37F.g.034
062.7161.SY		2	37F.g.035
062.7114.04		2	37F.g.031
062.7116.04		8	37F.g.031
062.7118.SY		4	37F.g.031
062.7119.SY		8	37F.g.032
062.7120.04		8	37F.g.032
062.7121.04		8	37F.g.032
062.7142.04		4	37F.g.033
062.7147.SY		2	37F.g.034
062.7157.SY		1	37F.g.034
062.7201.17		3/m	37F.g.061
062.7202.04		2	37F.g.035
062.7203.00		4	37F.g.027
062.7208.00		4	37F.g.027
068.5938.--		8	37F.g.053
081.9098.07		6 x H	37F.g.042
		4B1 + 4B2	
080.9020.SY		2 x B1	37F.g.041
		2 x B2	
		8 x H	
062.7126.--		2	37F.g.025
062.7105.--		2	37F.g.021
062.7200.--		2	37F.g.023
062.7205.XX		2	37F.g.023
062.7106.XX		2	37F.g.021
033.0102.--		3/m	37F.g.051
050.5106.--		3/m	37F.g.051
052.5325.--		16	37F.g.052
062.7115.04		37F.f.074-075	37F.g.031
062.7103.--		4	37F.g.011
062.7104.--		4	37F.g.012
062.7112.--		2	37F.g.025

(a)

Remarques / Remarks

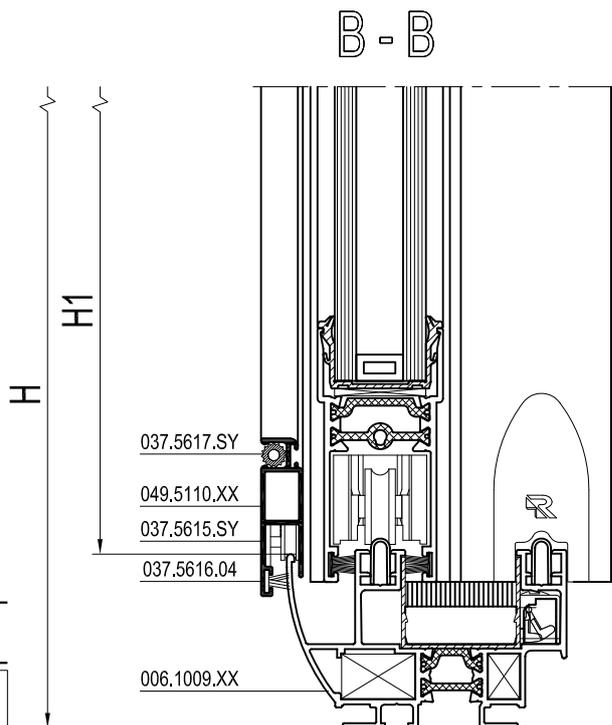
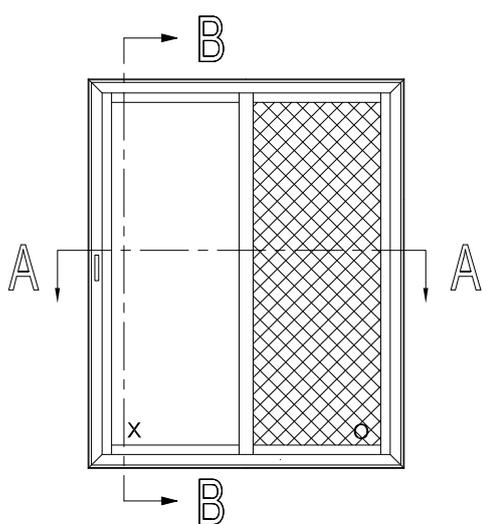
- (b) Assembler avant de tronçonner  
Assembly before sawing
- (a) Selon le poids du vantail  
According to the weight of the vent

- Choix des montants latéraux : voir pages 37F.c.101-104  
- Choice of side vents : see pages 37F.c.101-104
- Choix des montants centraux : voir pages 37F.c.101-104  
- Choice of central vents : see pages 37F.c.101-104



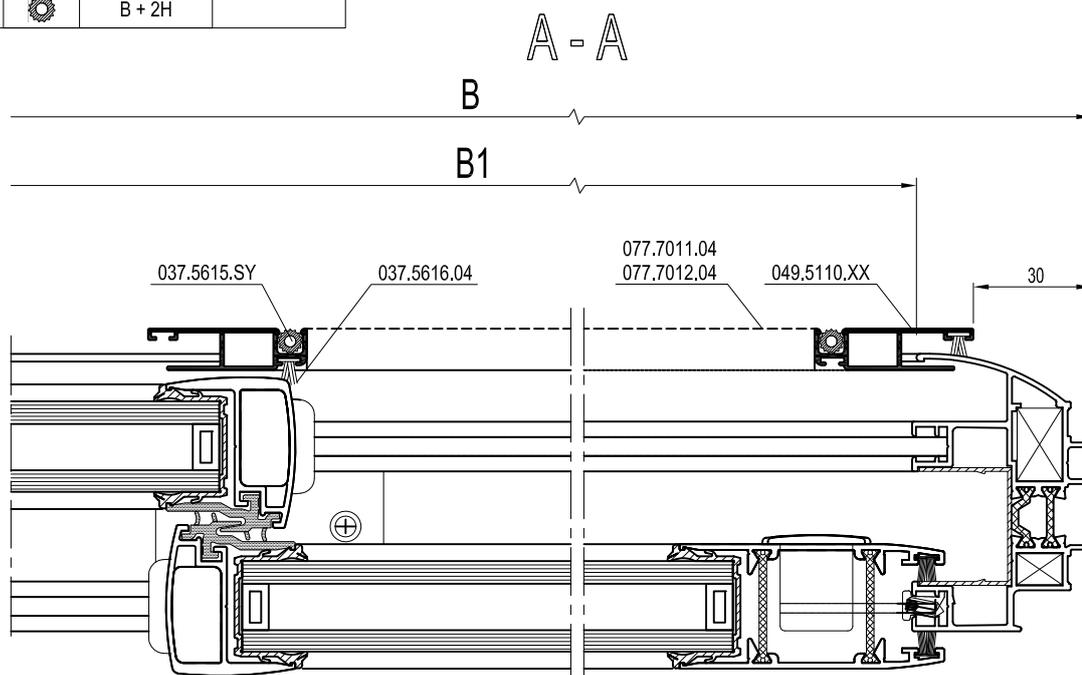
schaal - échelle  
 scale - Maßstab  
 1/2

D1037917



			#	Lm	
049.5110.XX			2	B/2 - 101	
			2	H - 151	
OU / OR					
049.5110.XX			2	B1 - 56	
			2	H1 - 59	

		#	
037.5615.SY		1	
037.5616.04		B + 2H	
037.5617.04		B + 2H	







**f**

Montagetekeningen

Fabrication et montage

Assembly drawings

Montagezeichnungen

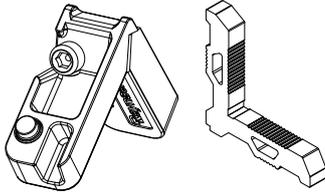




ASSEMBLAGE PAR TETON  
ASSEMBLY BY SCREWING

068.7650.00

062.7125.00



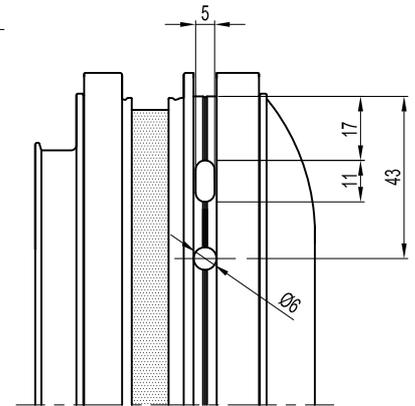
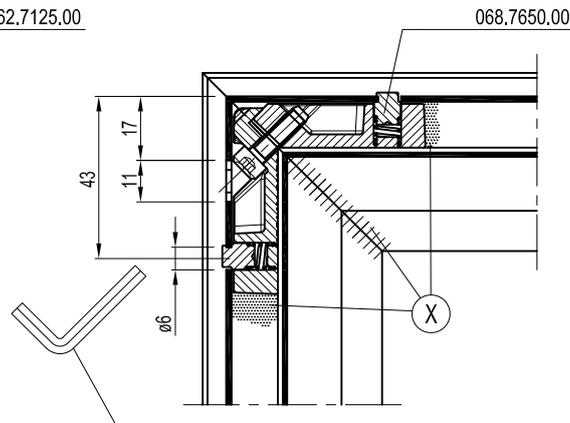
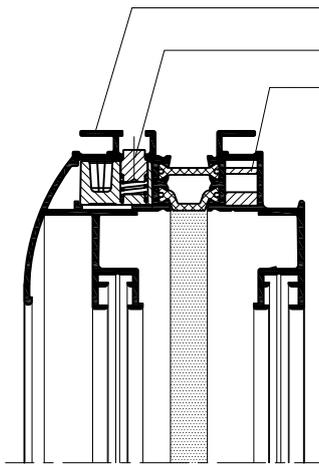
NOTE (CF norme NF P 24-301)

Pour l'assemblage

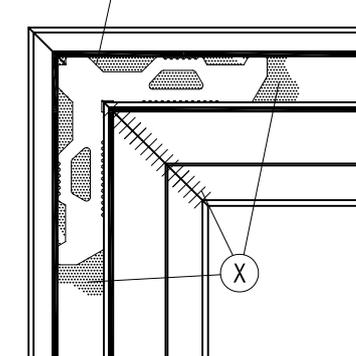
- ① . Etancher le bloc par application de mastic élastomère 1ère catégorie dans les tubulures;
- ② . Etancher la coupe au mastic fluide (En zone littorale appliquer du produit anti-corrosion référence 086.9608.- -)

006.1009.XX \*  
006.1001.XX \*  
006.1007.XX  
006.1010.XX \*  
006.1015.XX  
006.1016.XX \*  
006.0999.XX \*  
006.1022.XX \*

068.7650.00  
062.7125.00



062.7125.00



\*



097.0562.00



MATIERE D'ETANCHEITE  
SEALING AGENT

MATRICE GUIDEE MULTIFONCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL

097.J900.00

escala - échelle  
scale - Maßstab  
1/2



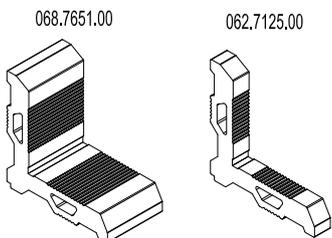
D1000428

ASSEMBLAGE PAR SERTISSAGE  
ASSEMBLY BY CRIMPING

NOTE (CF standard NF P 24-301)

For assembly

- ① . Seal the block by means of sealing agent 1st cat. in outer frame
- ② . Seal the saw cut by means of liquid sealing agent. (Near the seaside, apply a corrosion preventing agent ref : 086.9608.- -)

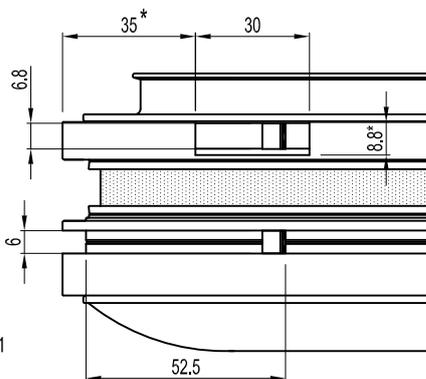
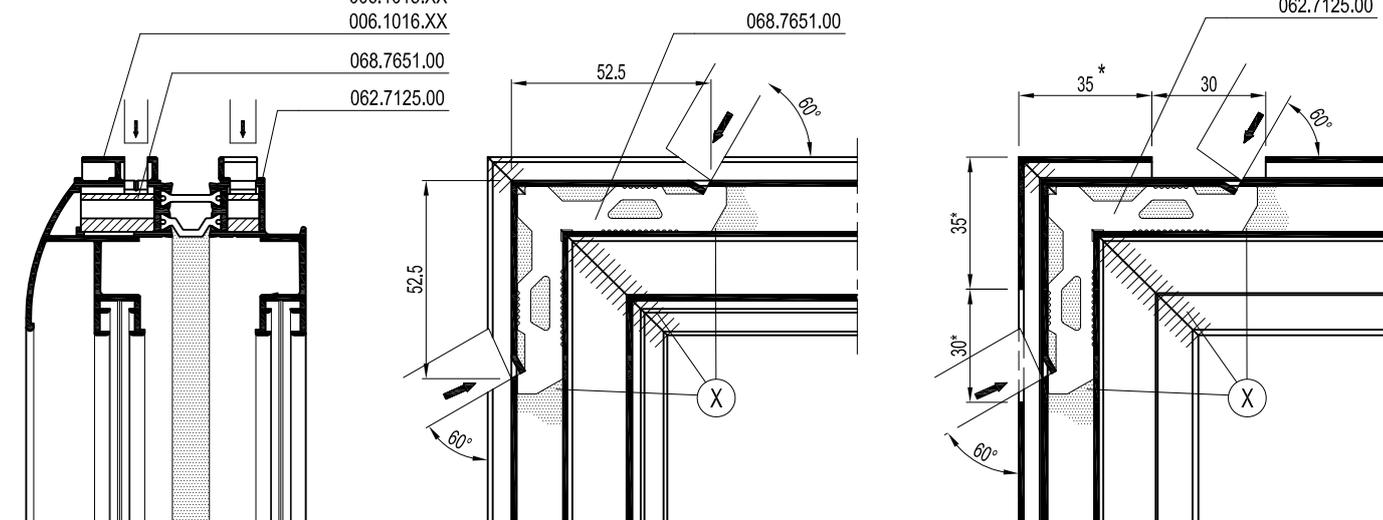


NOTE (CF norme NF P 24-301)

Pour l'assemblage

- ① . Etancher le bloc par application de mastic élastomère 1ère catégorie dans les tubulures;
- ② . Etancher la coupe au mastic fluide (En zone littorale appliquer du produit anti-corrosion référence 086.9608.- -)

006.1009.XX  
006.1001.XX  
006.1007.XX  
006.1015.XX  
006.1016.XX



097.K900.00 \*  
Cote de positionnement

Voir page 37F.f.121  
See page 37F.f.121



MATIERE D'ETANCHEITE  
SEALING AGENT

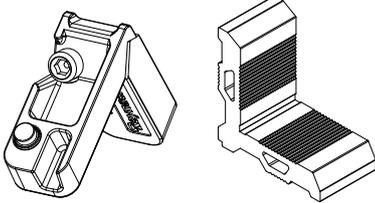
escala - échelle  
scale - Maßstab  
1/2



ASSEMBLAGE PAR TETON  
ASSEMBLY BY SCREWING

068.7650.00

062.7124.00



NOTE (CF standard NF P 24-301)

For assembly

- ① . Seal the block by means of sealing agent 1st cat. in outer frame
- ② . Seal the saw cut by means of liquid sealing agent. (Near the seaside, apply a corrosion preventing agent ref : 086.9608.- -)

NOTE (CF norme NF P 24-301)

Pour l'assemblage

- ① . Etancher le bloc par application de mastic élastomère 1ère catégorie dans les tubulures;
- ② . Etancher la coupe au mastic fluide (En zone littorale appliquer du produit anti-corrosion référence 086.9608.- -)

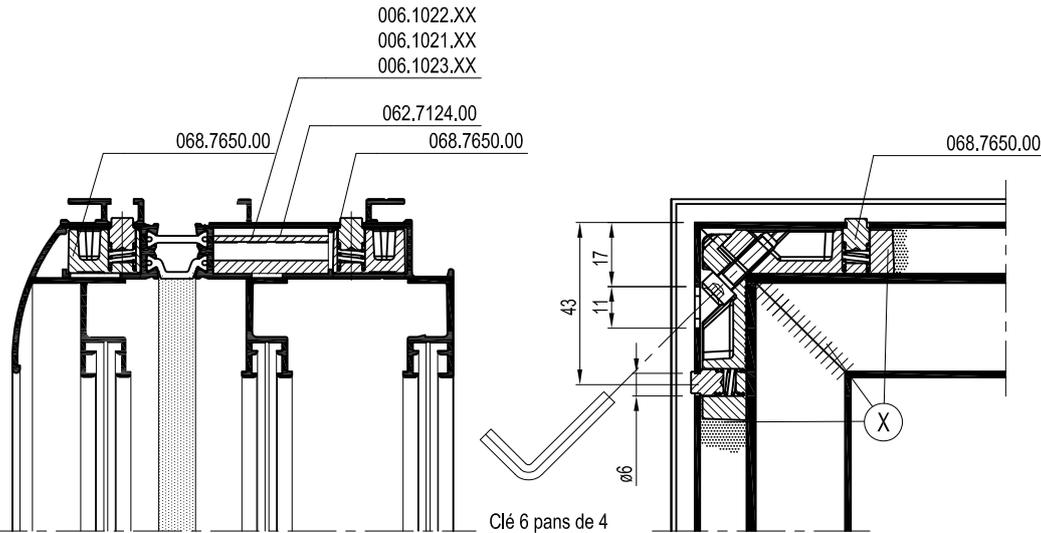
006.1022.XX  
006.1021.XX  
006.1023.XX

062.7124.00

068.7650.00

068.7650.00

068.7650.00



Clé 6 pans de 4  
Socket head wrench 4

MATRICE GUIDEE MULTIFUNCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL

097.J900.00

60.2

5

5

17

11

06

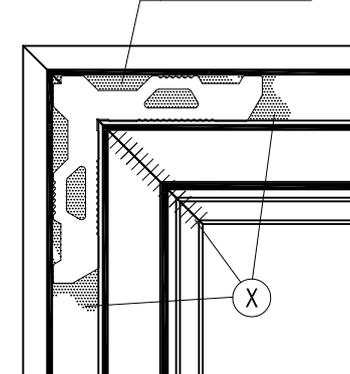
17

11

06

43

062.7124.00



(X)

MATIERE D'ETANCHEITE  
SEALING AGENT

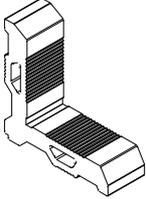
escala - échelle  
scale - Maßstab  
1/2



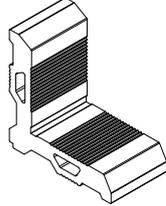
D1000429

ASSEMBLAGE PAR SERTISSAGE  
ASSEMBLY BY CRIMPING

068.7651.00



062.7124.00



NOTE (CF norme NF P 24-301)

Pour l'assemblage

- ① . Etancher le bloc par application de mastic élastomère 1ère catégorie dans les tubulures;
- ② . Etancher la coupe au mastic fluide (En zone littorale appliquer du produit anti-corrosion référence 086.9608.- -)

NOTE (CF standard NF P 24-301)

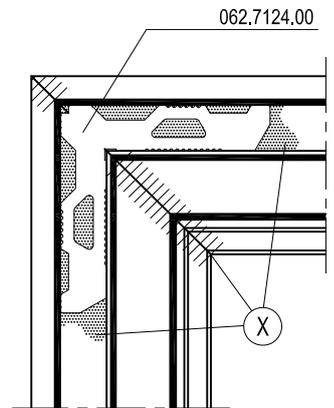
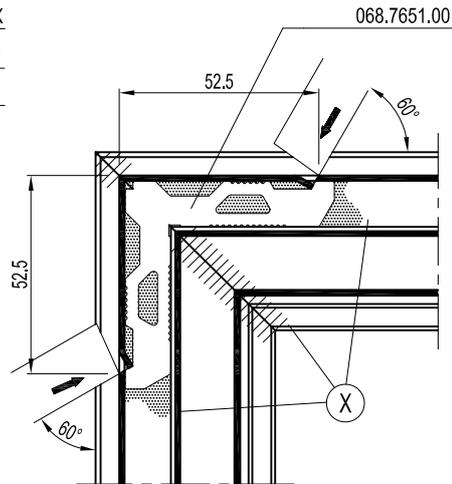
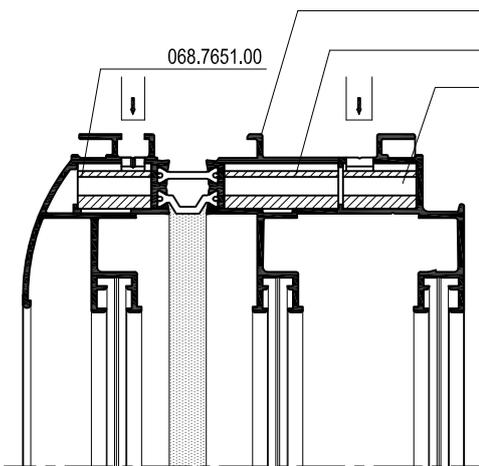
For assembly

- ① . Seal the block by means of sealing agent 1st cat. in outer frame
- ② . Seal the saw cut by means of liquid sealing agent. (Near the seaside, apply a corrosion preventing agent ref : 086.9608.- -)

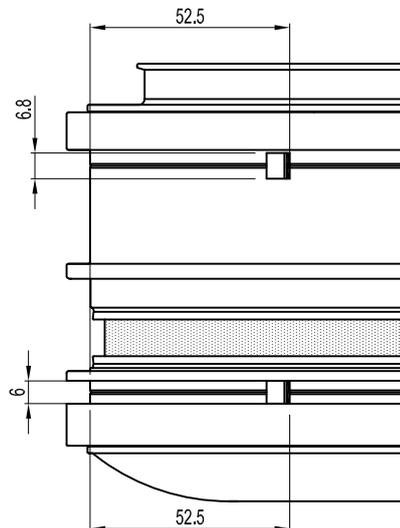
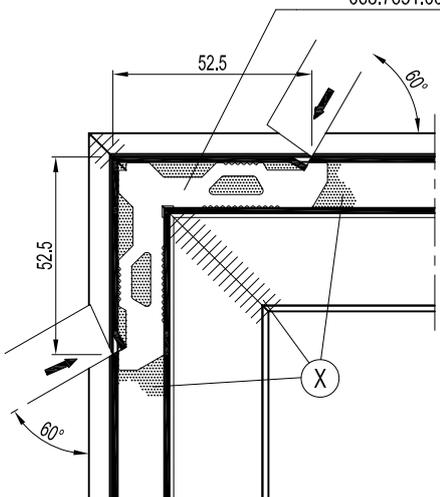
006.1022.XX  
006.1021.XX  
006.1023.XX

062.7124.00

068.7651.00



068.7651.00



(X) MATIERE D'ETANCHEITE  
SEALING AGENT

escala - échelle  
scale - Maßstab  
1/2



062.7118.04



**IMPORTANT**

Avant assemblage, prendre soin de monter les galets et les brosses

**IMPORTANT**

Before assembly, fix rollers and brushes

**IMPORTANT**

Collage du vitage si Ht > 2m (voir 37F.092)

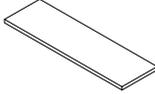
**IMPORTANT**

Glazing gluing for height > 2m

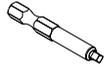
052.5325.--



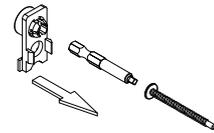
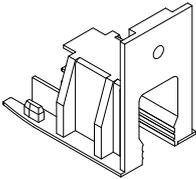
062.7116.04



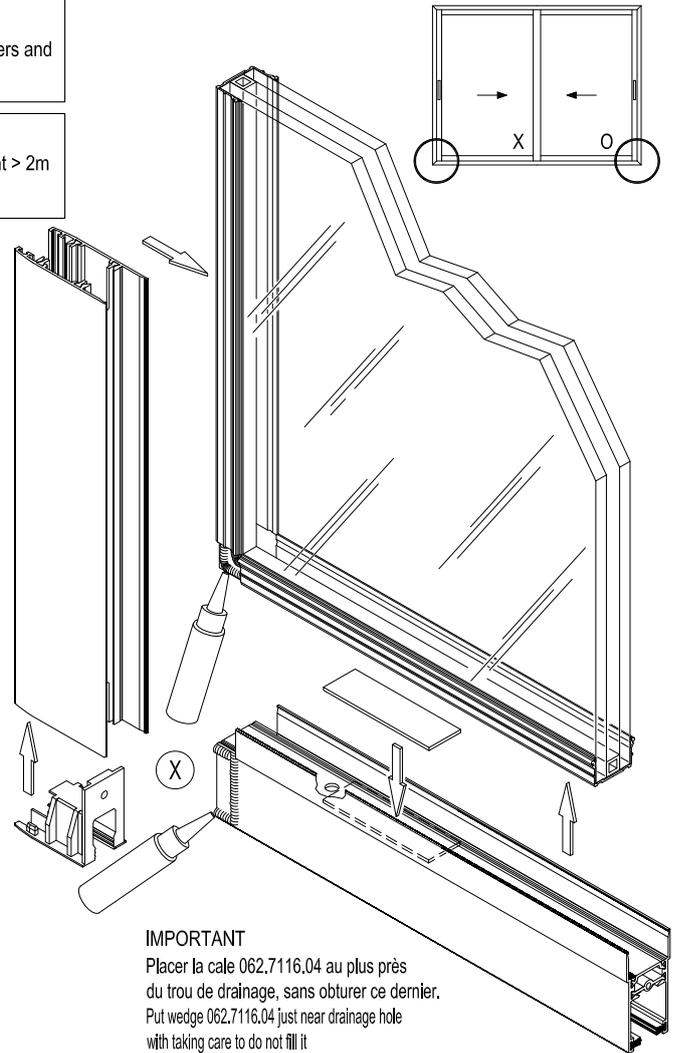
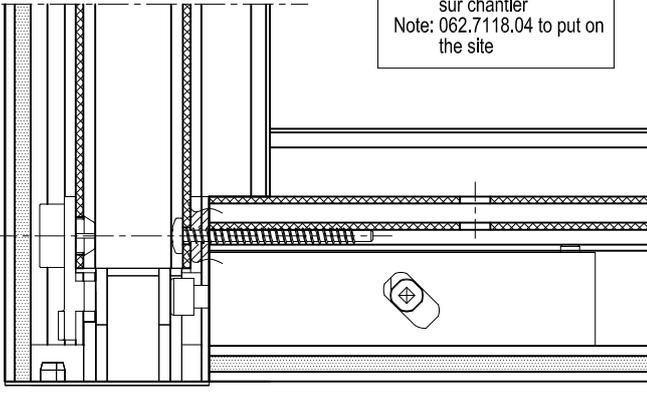
024.0702.--



062.7120.04



Nota: 062.7118.04 à poser sur chantier  
Note: 062.7118.04 to put on the site



**IMPORTANT**

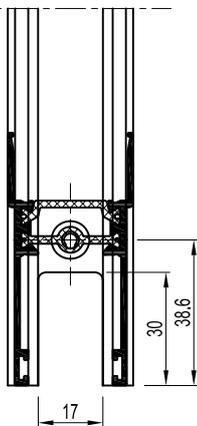
Placer la cale 062.7116.04 au plus près du trou de drainage, sans obturer ce dernier.  
Put wedge 062.7116.04 just near drainage hole with taking care to do not fill it

MATRICE GUIDÉE MULTIFONCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL

097.J800.00

L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1 2 3 .



5

4

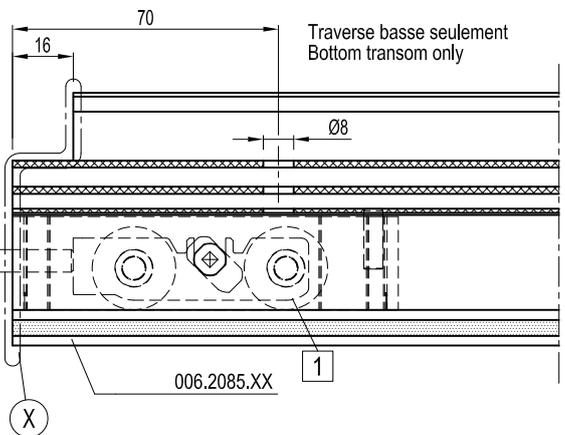
3

062.7118.04

052.5325.--

2

062.7120.04



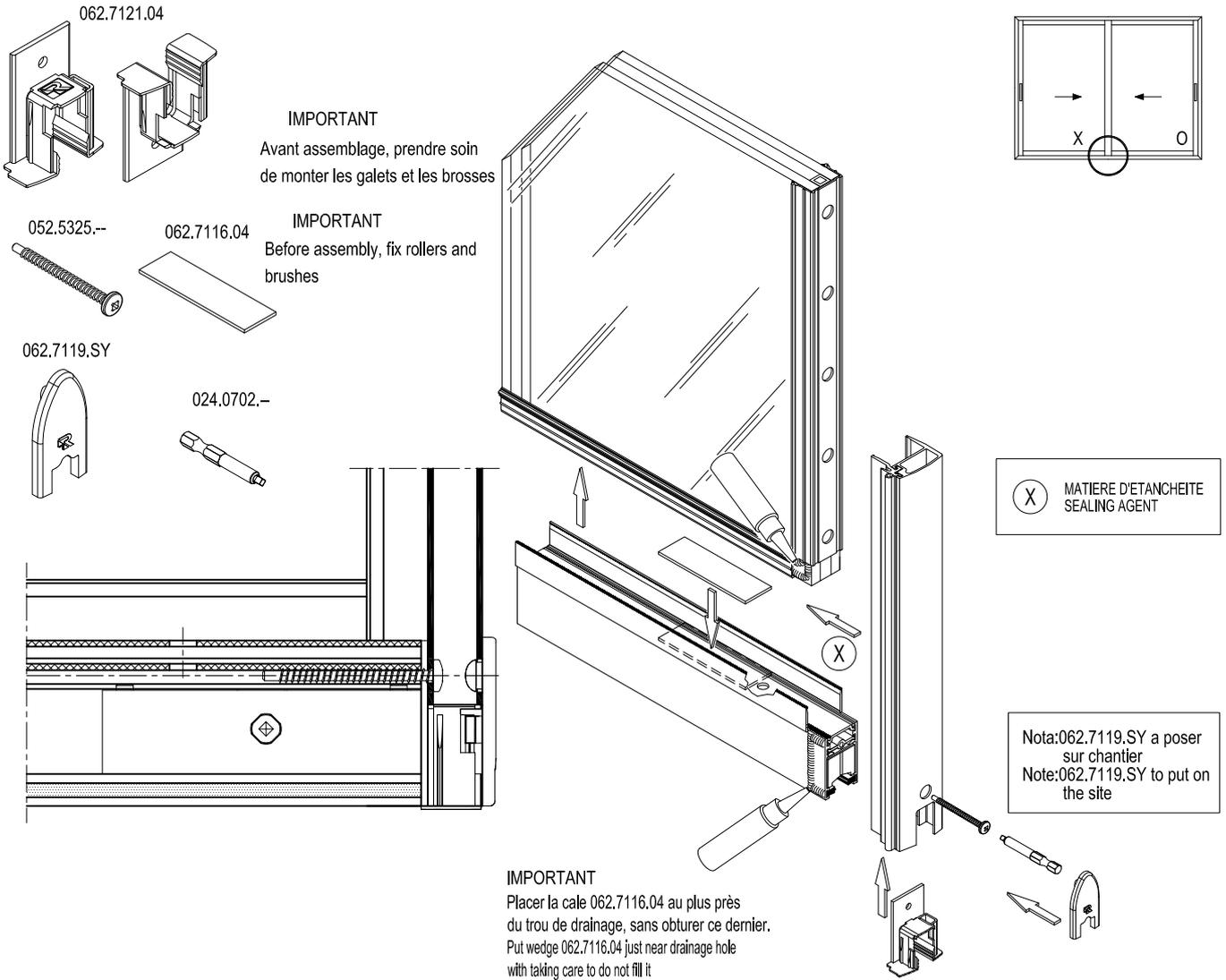
Traverse basse seulement  
Bottom transom only

(X) MATIERE D'ETANCHEITE  
SEALING AGENT

escala - échelle  
scale - Maßstab  
1/2

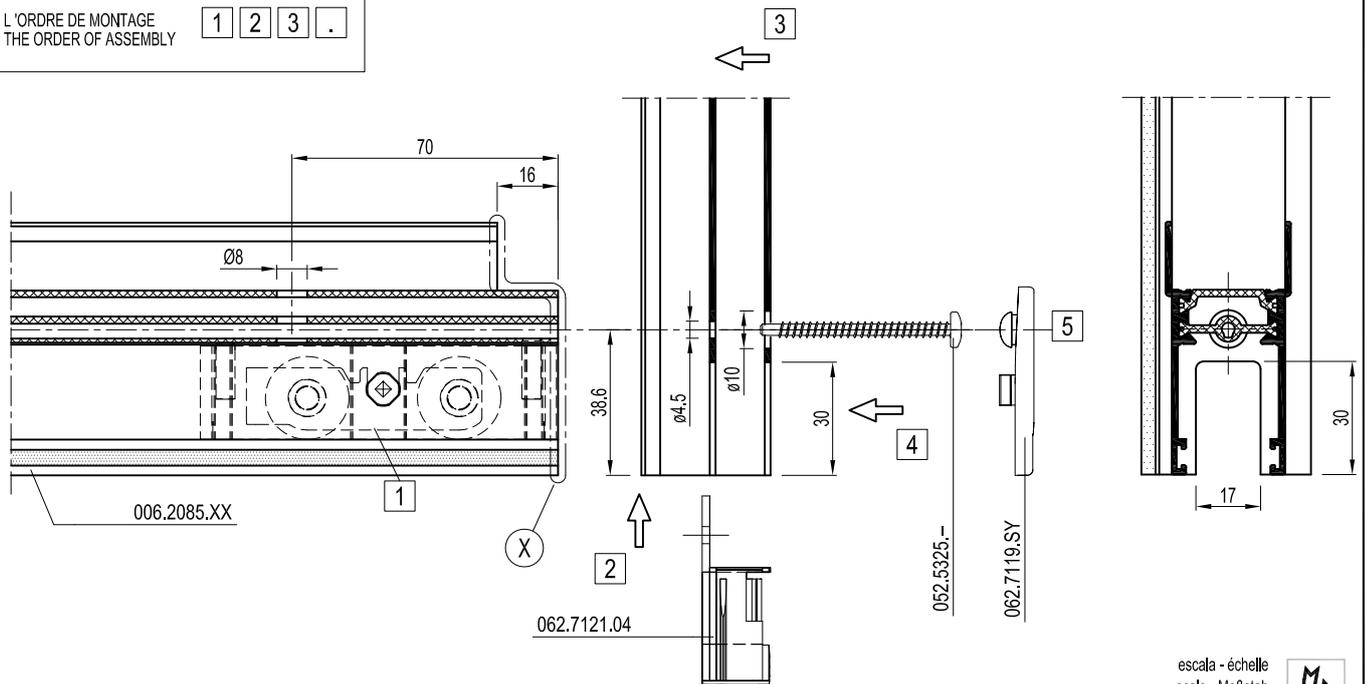


D1000430



L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
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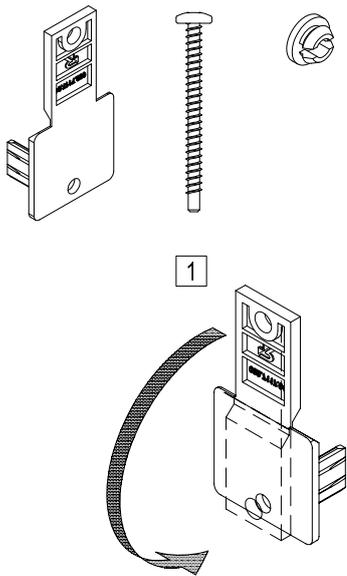


escala - échelle  
scale - Maßstab  
1/2

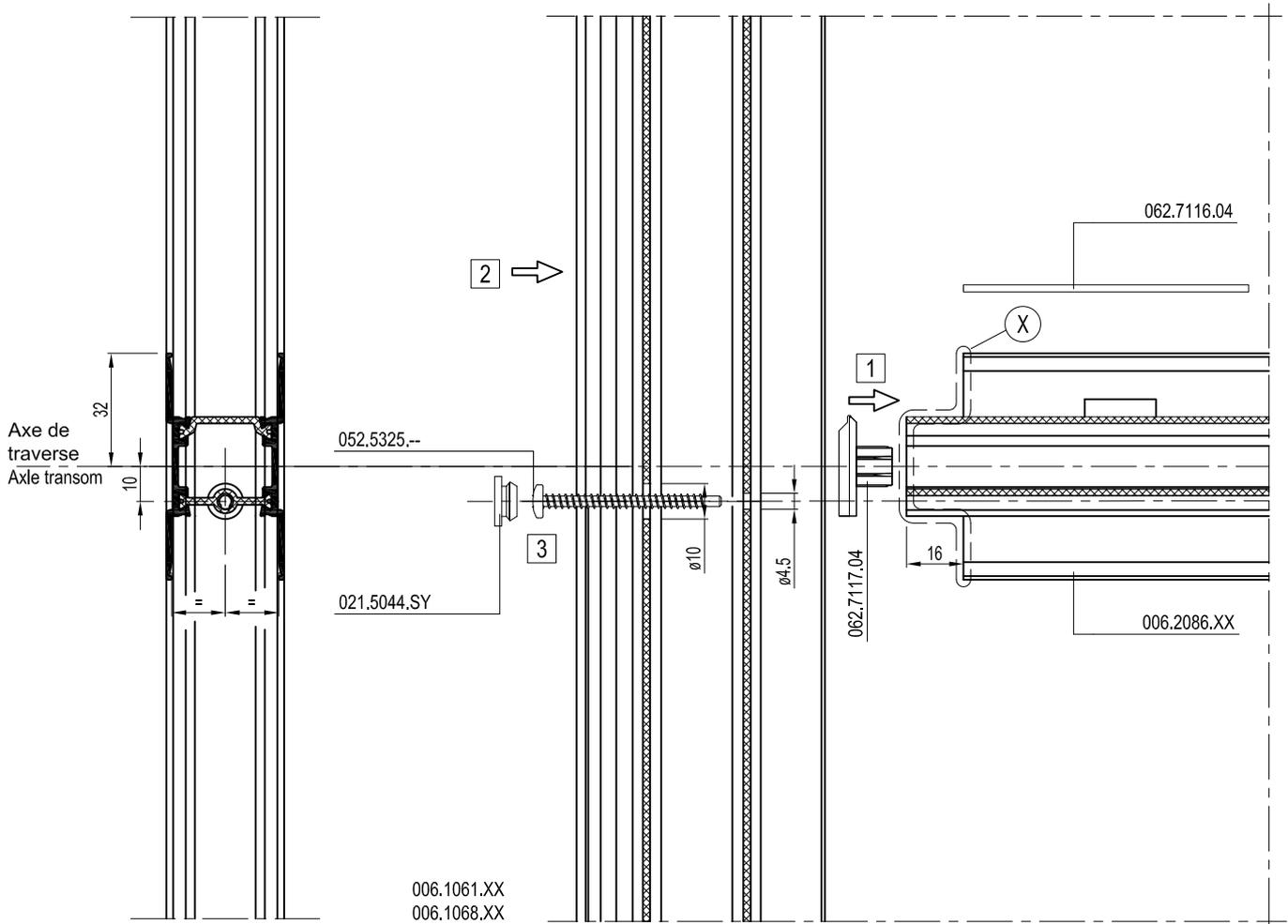
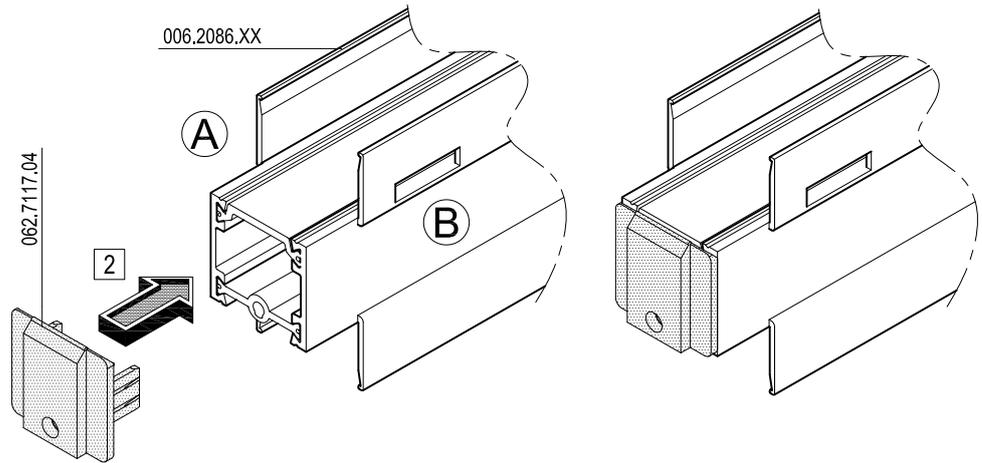


D1000430

062.7117.04    052.5325.-    021.5044.SY



006.2086.XX

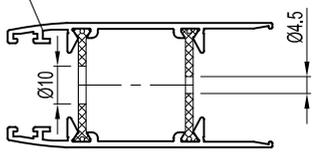


006.1061.XX  
006.1068.XX  
006.1063.XX  
006.1062.XX

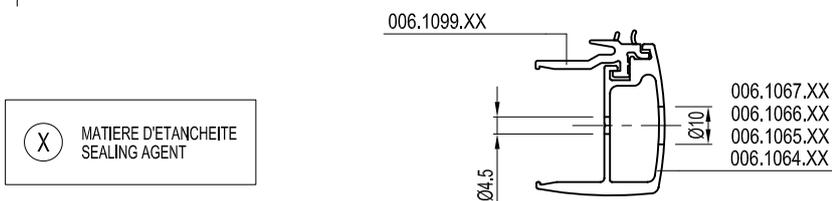
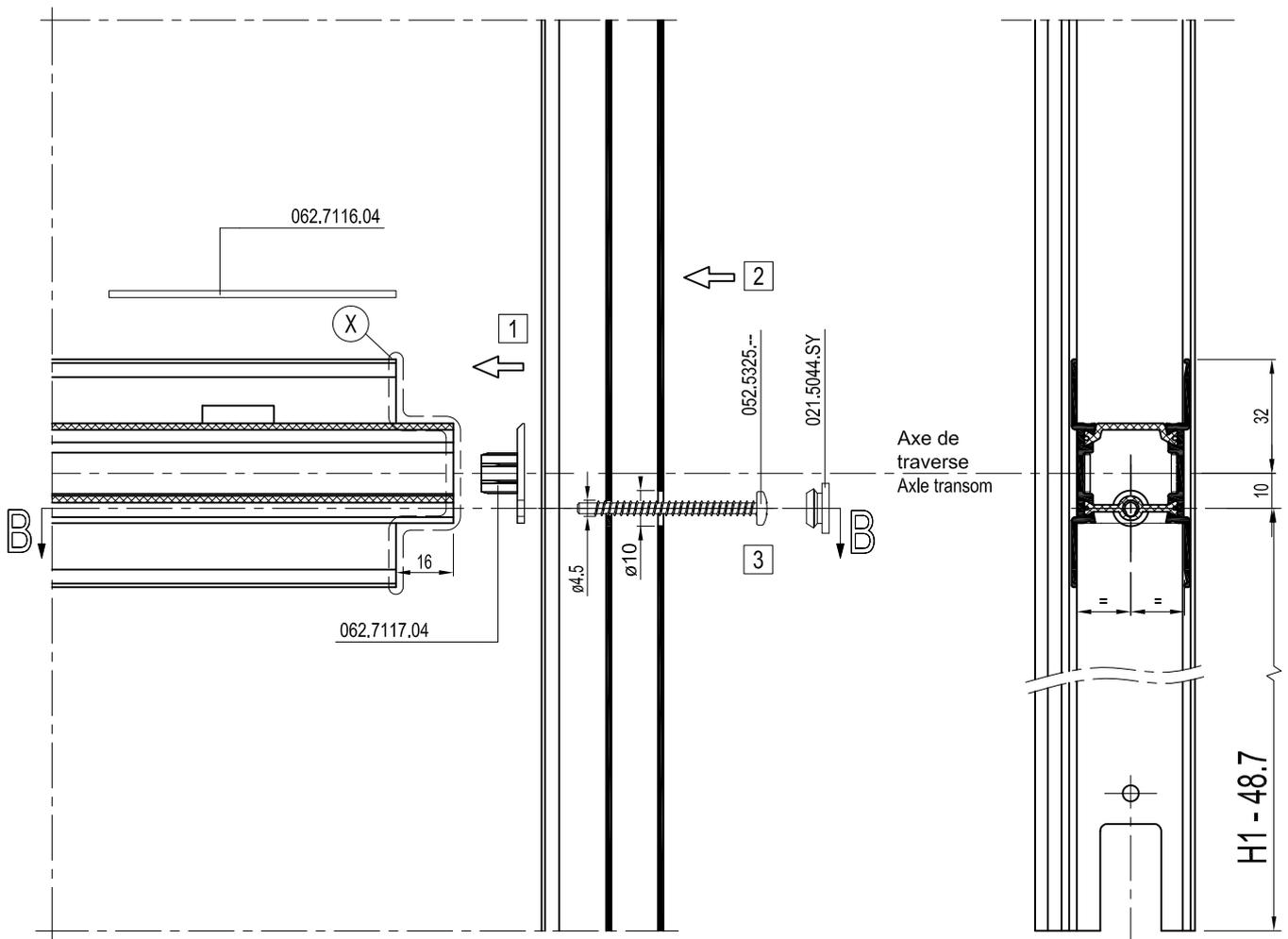
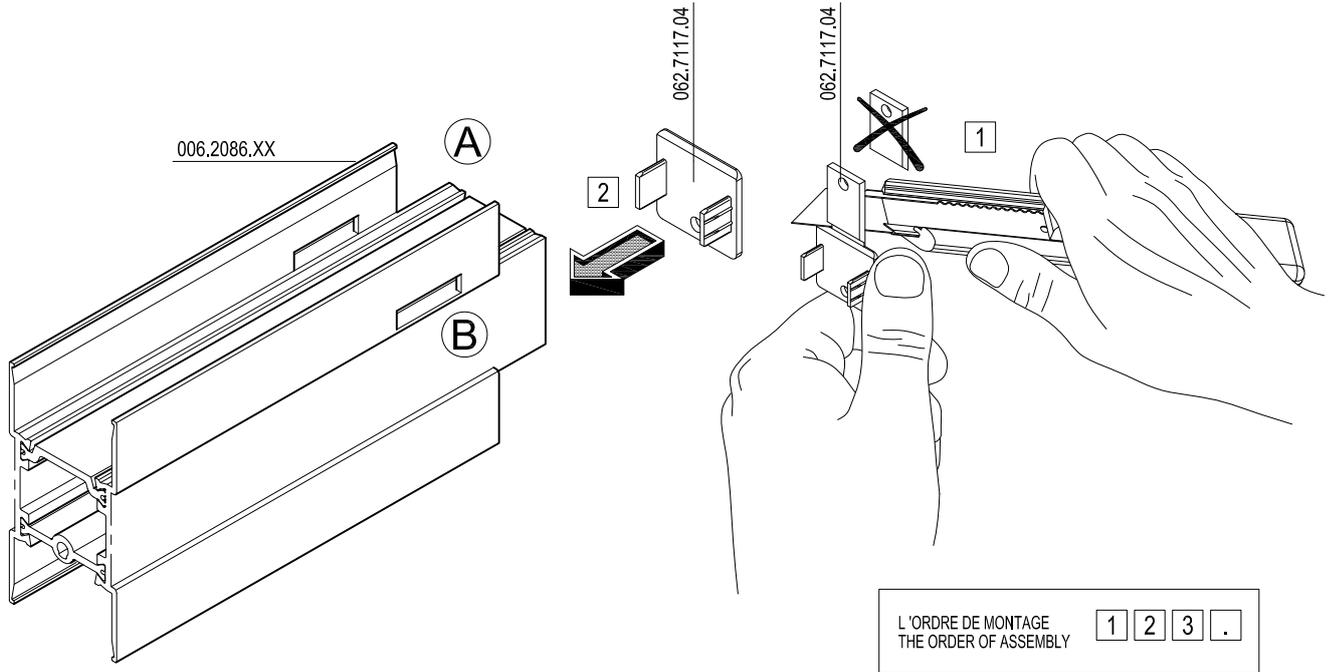
L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
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- (A)** MATRICE GUIDEE MULTIFONCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL    097.J800.00
- (B)** MATRICE GUIDEE MULTIFONCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL    097.J900.00



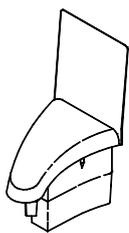
escala - échelle  
scale - Maßstab  
1/2



escala - échelle  
scale - Maßstab  
1/2



062.7090.SY



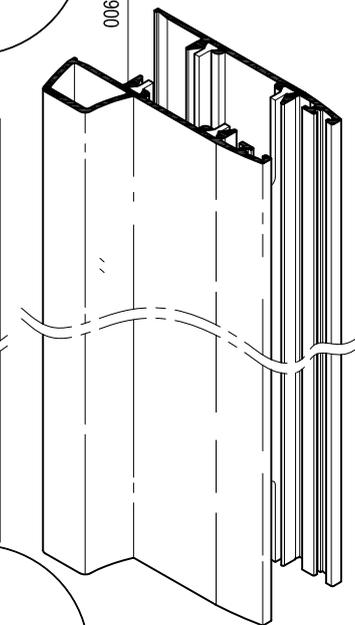
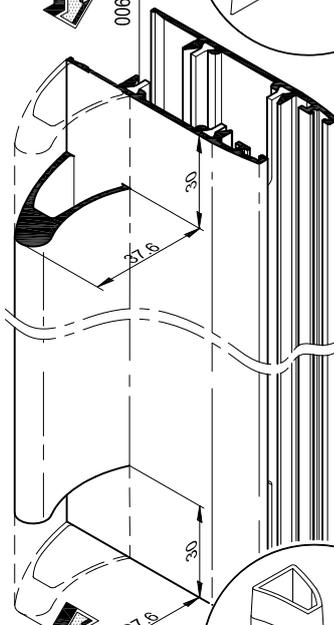
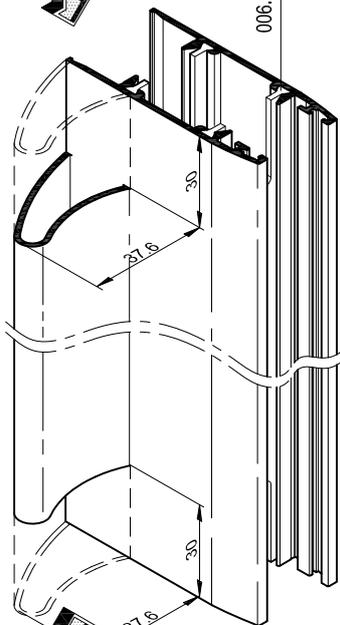
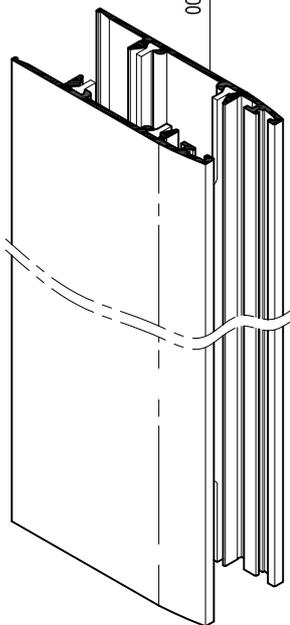
USINAGE SPECIFIQUE POUR RENFORT  
AU DESSUS D'UN RAIL  
SPECIFIC PROCESSING FOR REINFORCEMENT  
ON RAIL

006.1061.XX

006.1062.XX

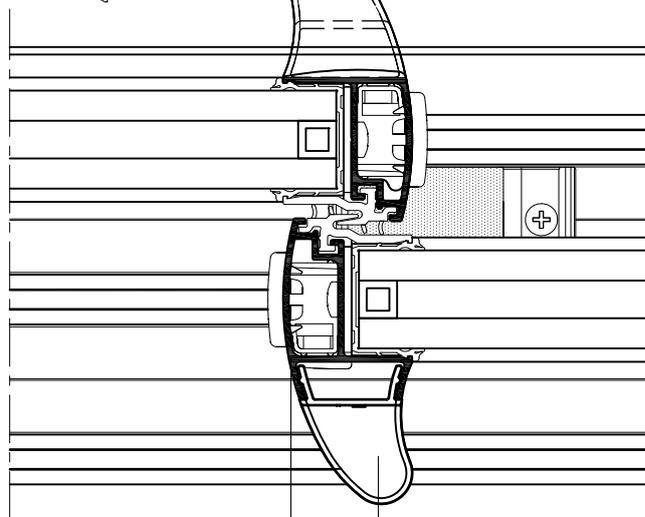
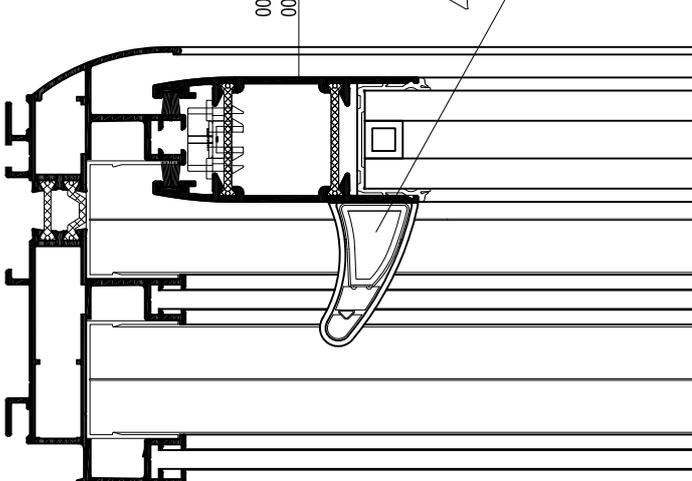
006.1063.XX

006.1064.XX



006.1062.XX  
006.1063.XX

062.7090.SY

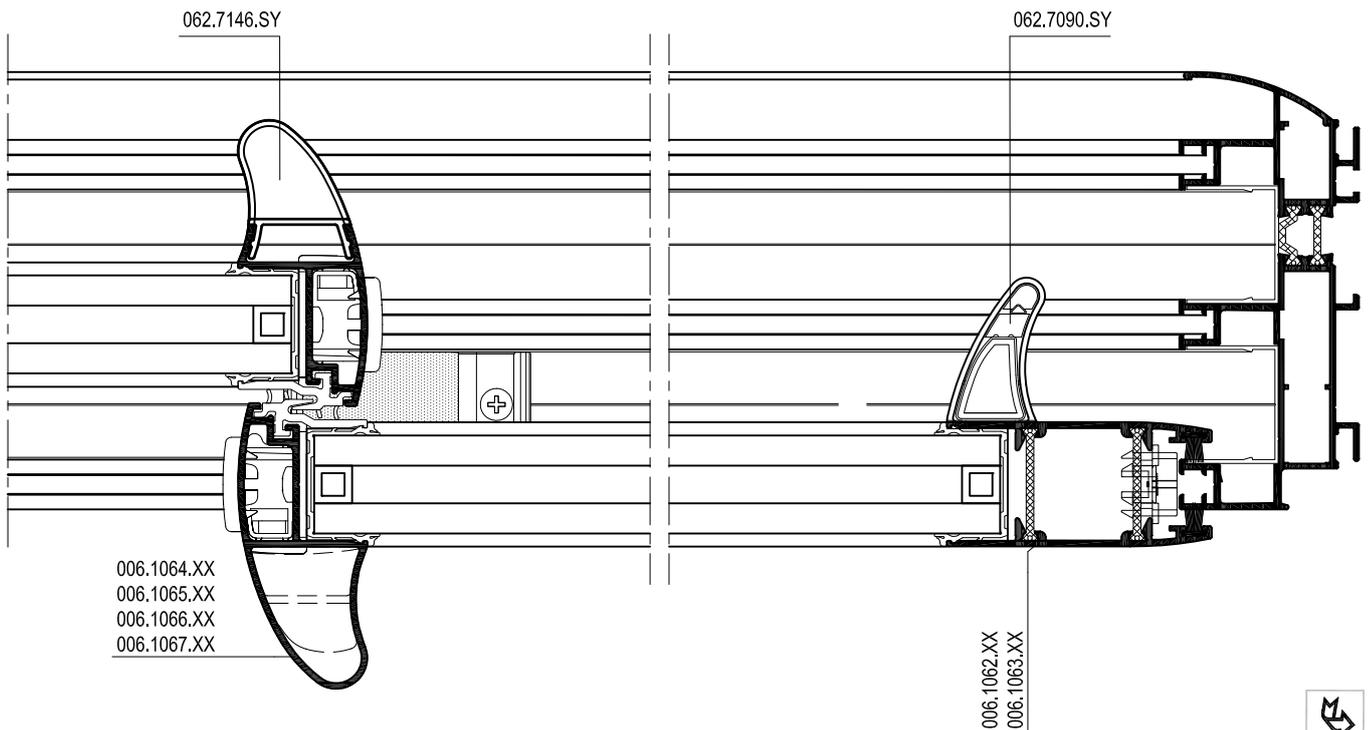
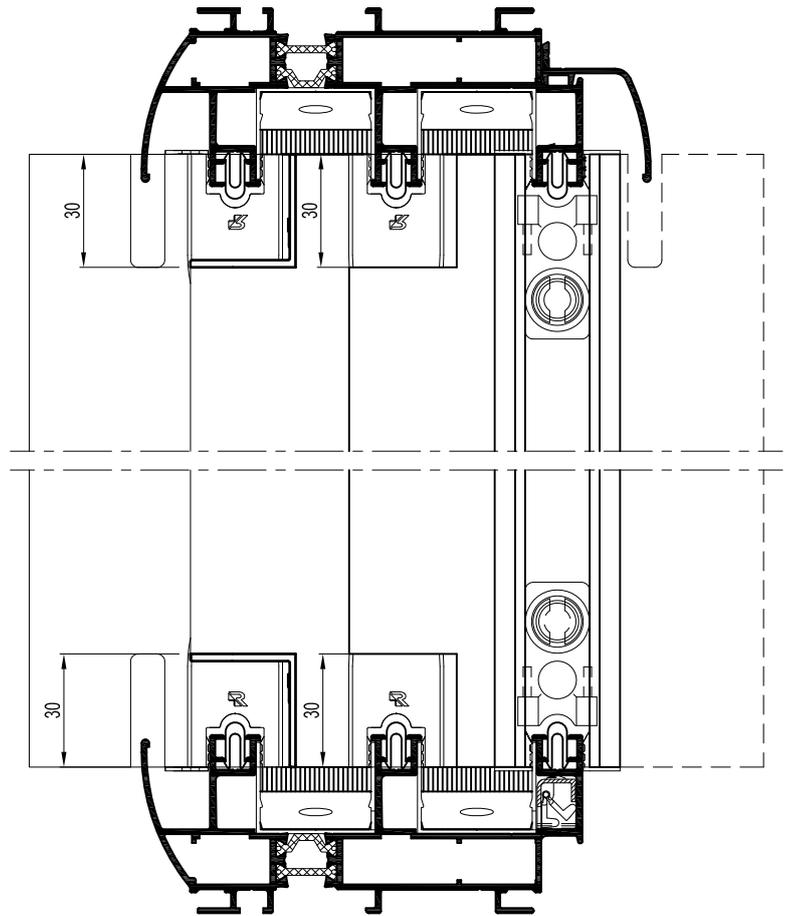


006.1064.XX  
006.1065.XX  
006.1066.XX  
006.1067.XX

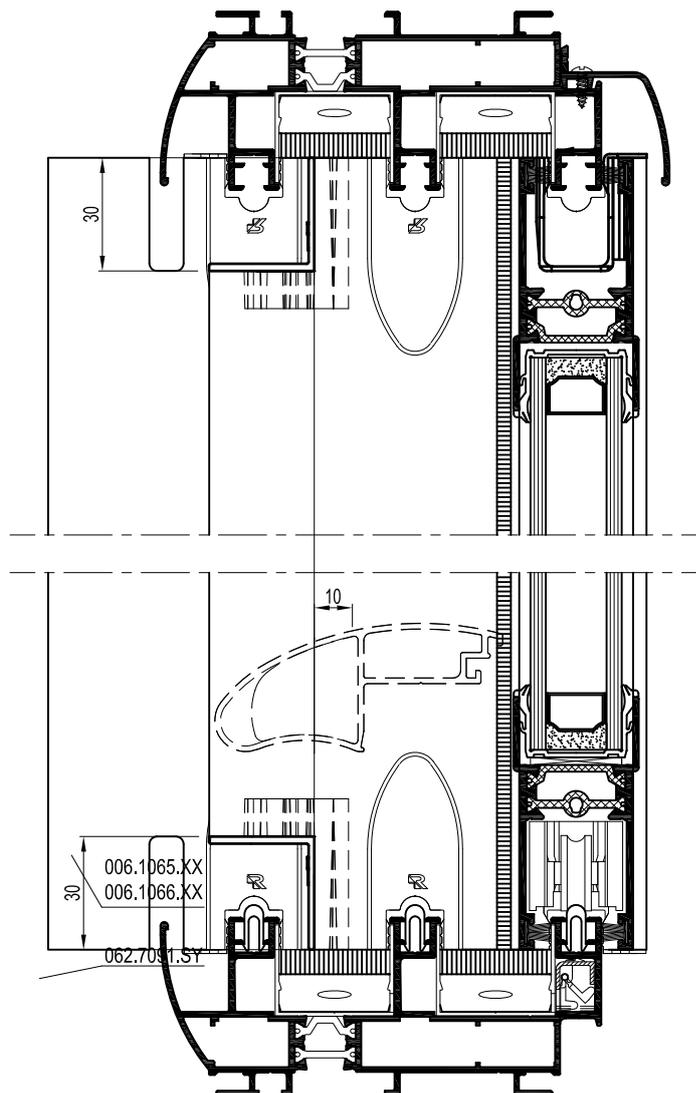
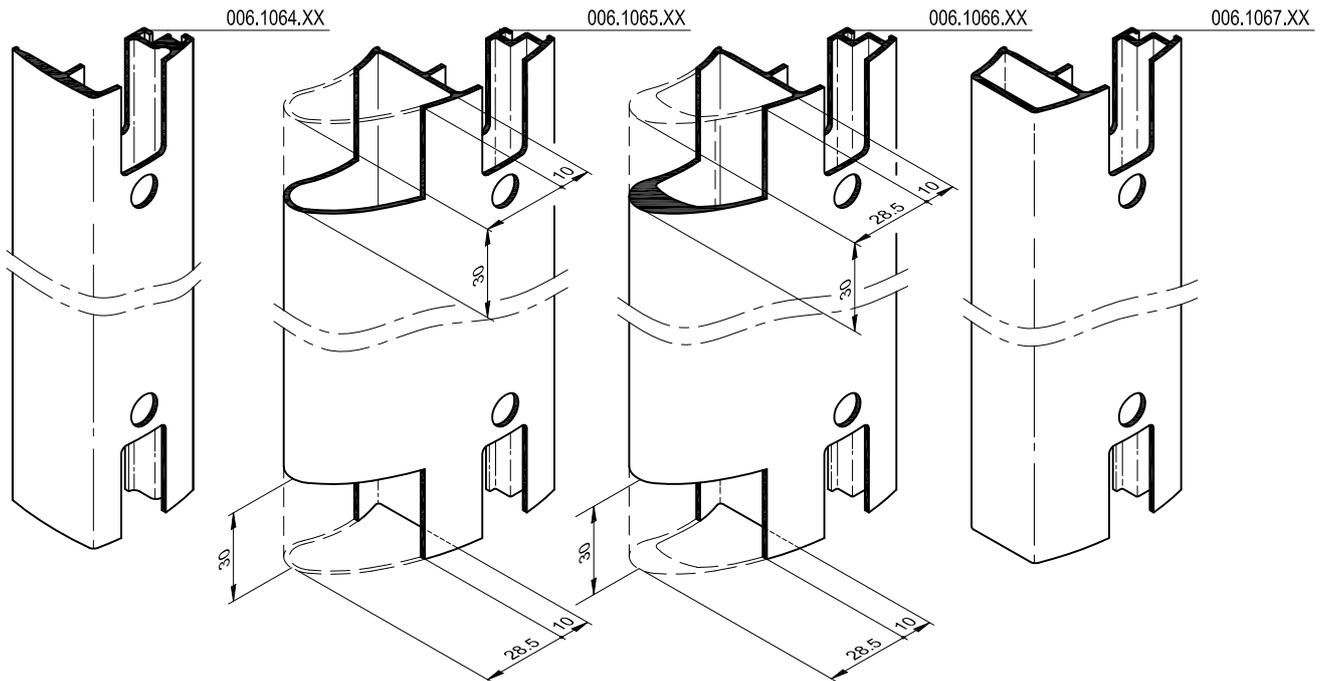
062.7146.SY



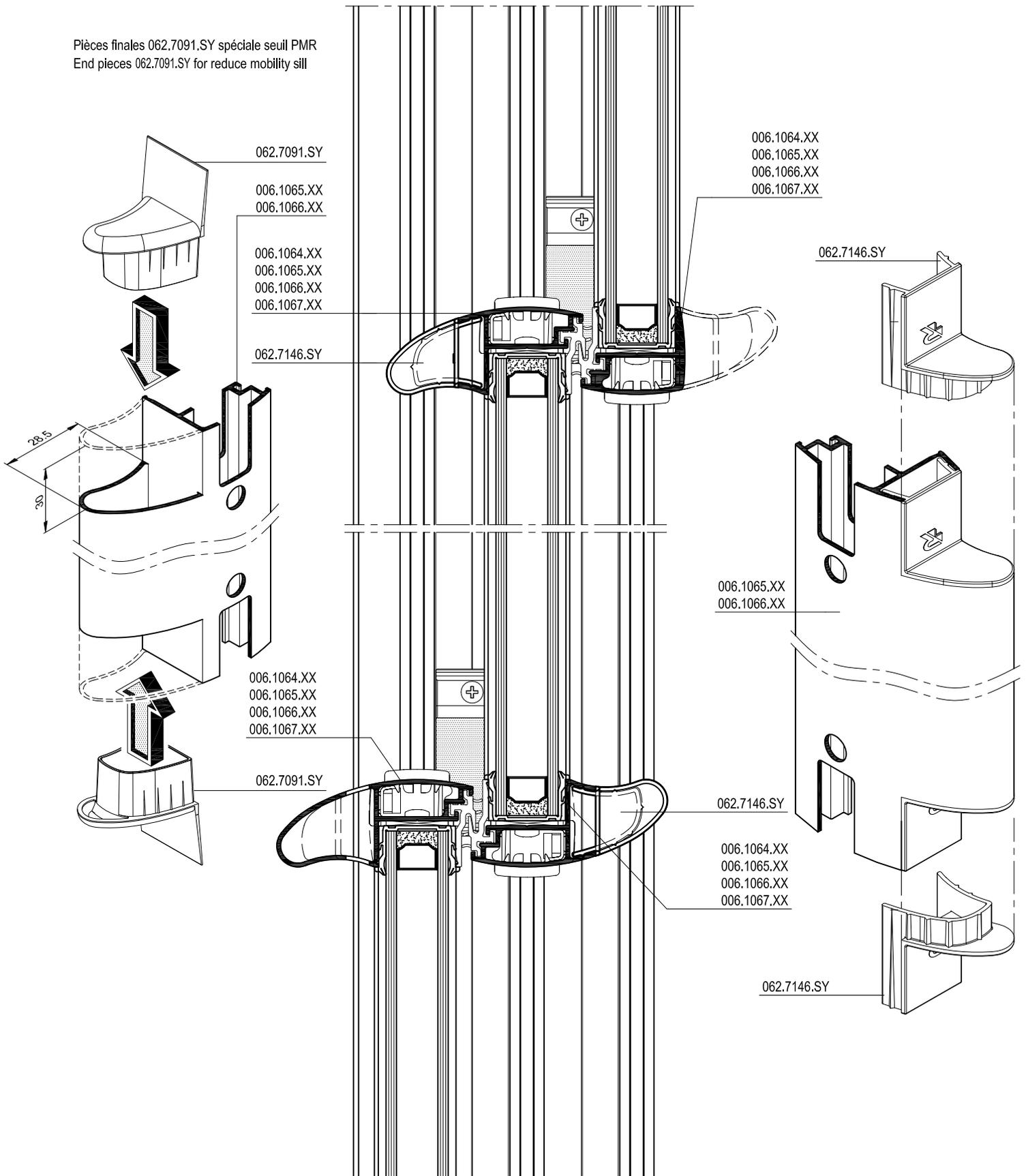
D1000432



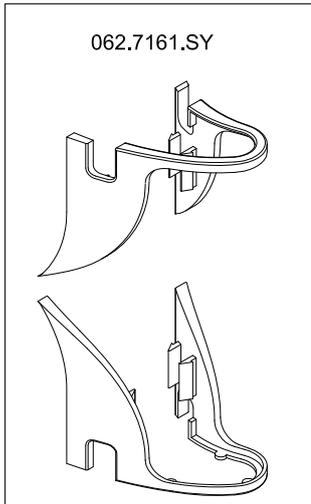
D1000432



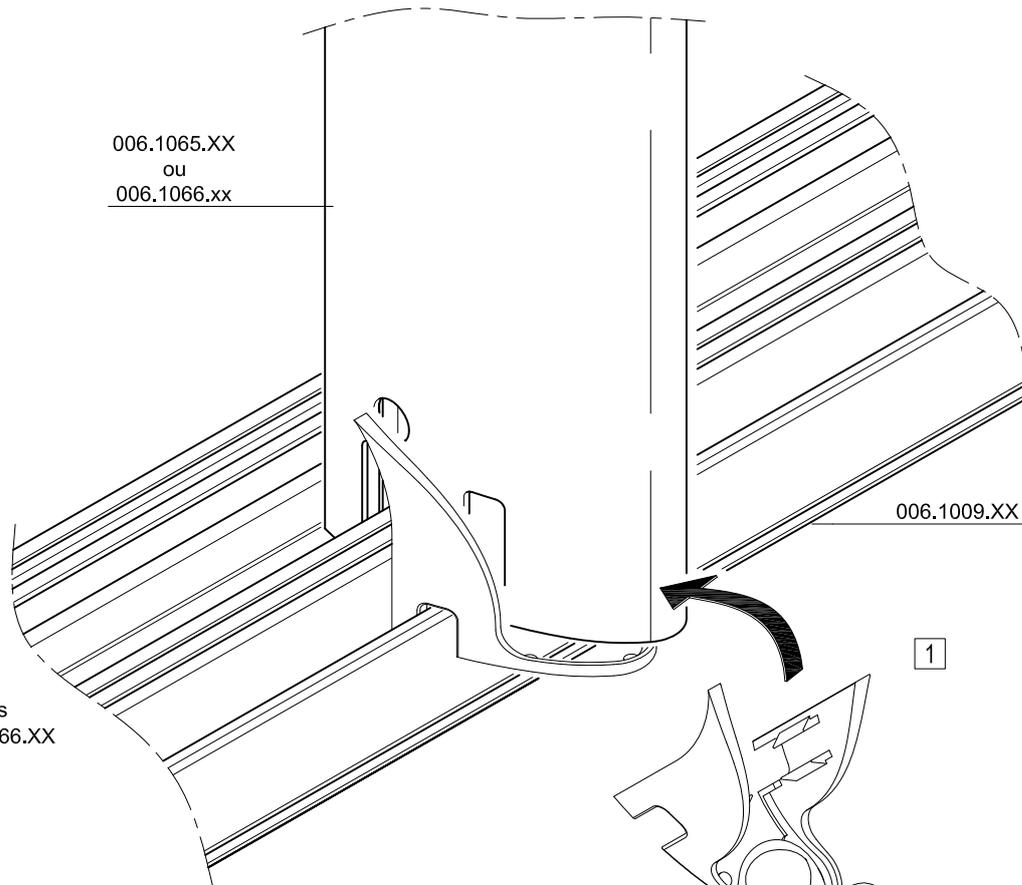
Pièces finales 062.7091.SY spéciale seuil PMR  
End pieces 062.7091.SY for reduce mobility sill



062.7161.SY



006.1065.XX  
ou  
006.1066.xx



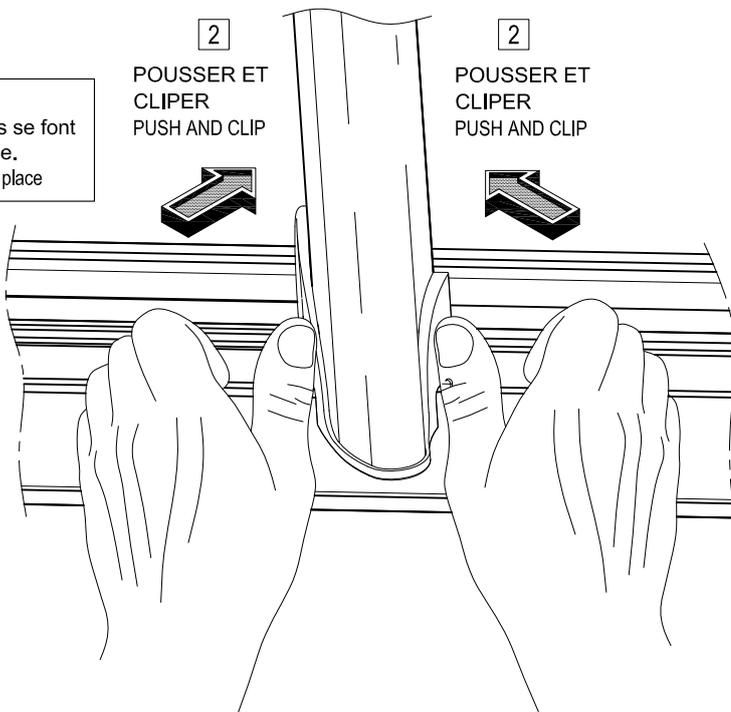
Ref : 062.7161.SY pour montants centraux 006.1065.XX et 006.1066.XX  
Ref : 062.7161.SY for meeting section 006.1065.XX and 006.1066.XX

Nota :  
Ces opérations se font vantail en place.  
Operation vent in place

2  
POUSSER ET CLIPER  
PUSH AND CLIP



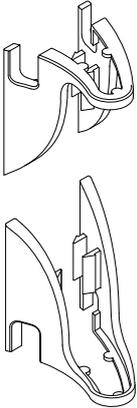
2  
POUSSER ET CLIPER  
PUSH AND CLIP



L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

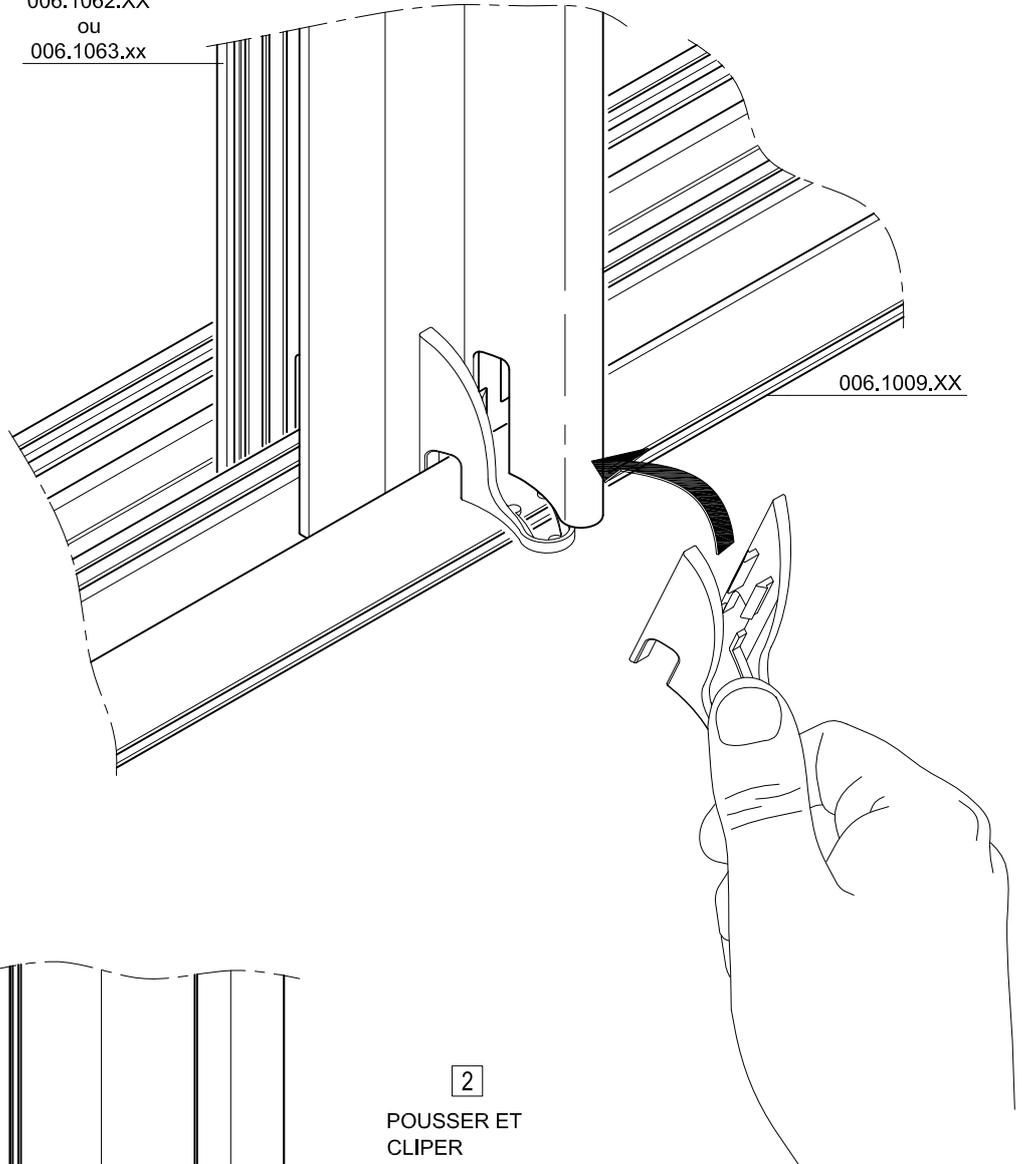
1 2 3 .

062.7162.SY

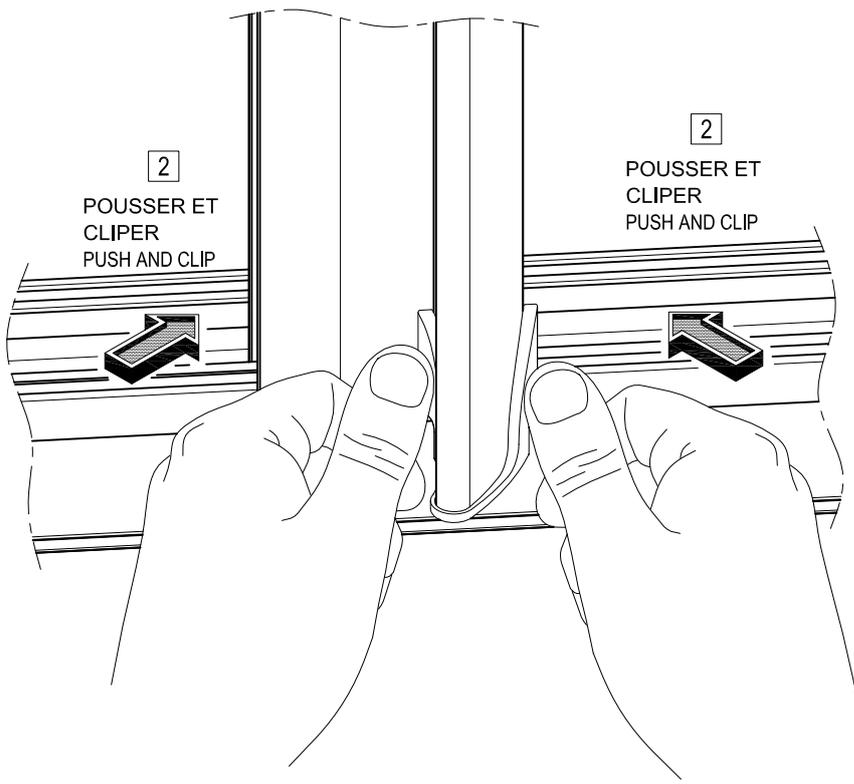


Ref : 062.7162.SY pour montants  
 lateraux 006.1062.XX et 006.1063.XX  
 Ref : 062.7162.SY for meeting section  
 006.1062.XX and 006.1063.XX

006.1062.XX  
 ou  
 006.1063.xx



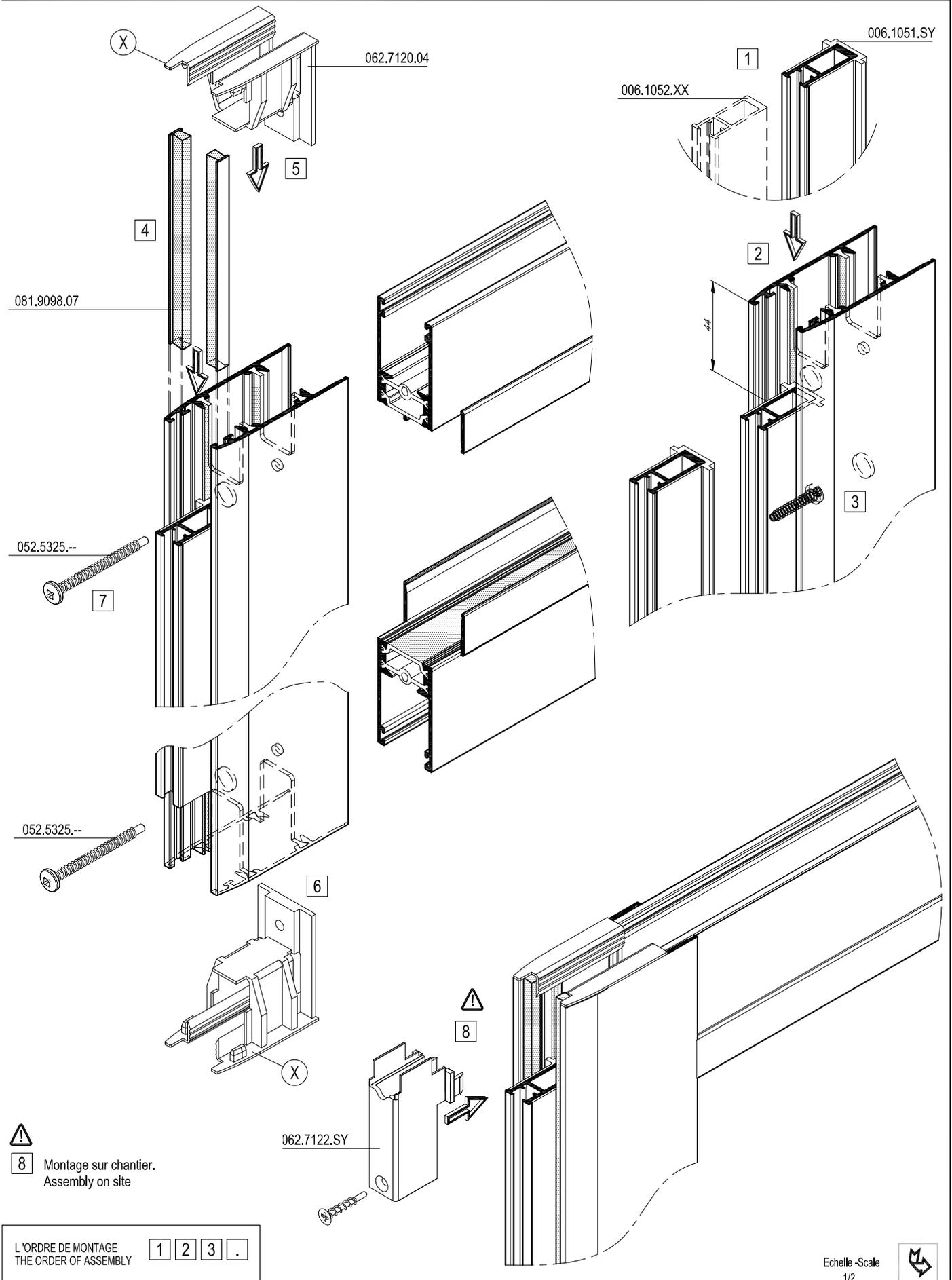
Nota :  
 Ces opérations se font  
 vantail en place.  
 Operation vent in place



2  
 POUSSER ET  
 CLIPER  
 PUSH AND CLIP

2  
 POUSSER ET  
 CLIPER  
 PUSH AND CLIP



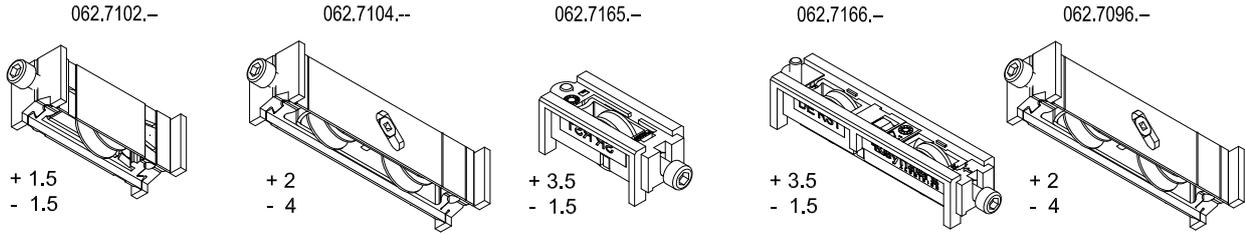


**8** Montage sur chantier.  
Assembly on site

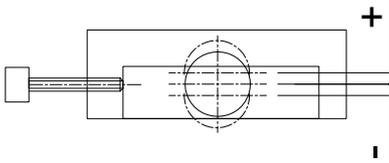
L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
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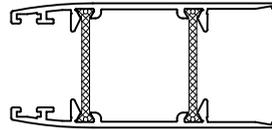
Echelle - Scale  
1/2



Réglage des galets



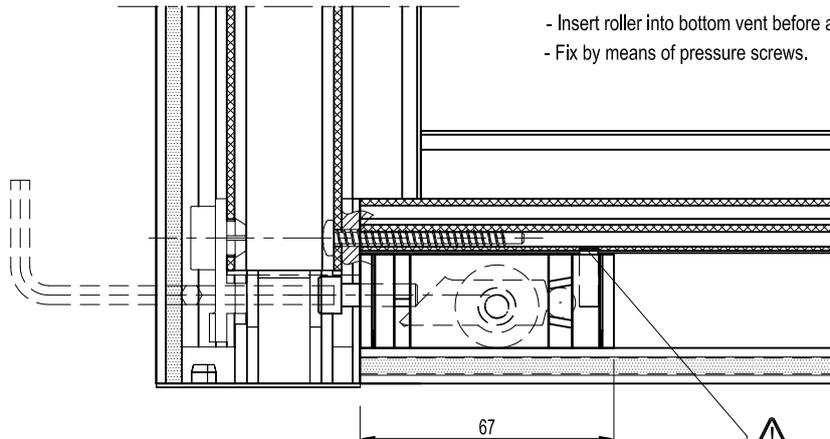
		POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	RAIL RAIL
062.7102.--	GALET SIMPLE REGLABLE ADJUSTABLE SIMPLE ROLLER	60 Kg	006.1076.17 006.1077.04
062.7104.--	GALET DOUBLE REGLABLE ADJUSTABLE DOUBLE ROLLER	120 Kg	006.1076.17 006.1077.04
062.7165.--	GALET SIMPLE REGLABLE INOX ADJUSTABLE SIMPLE ROLLER INOX	80 Kg	006.1075.--
062.7166.--	GALET DOUBLE REGLABLE INOX ADJUSTABLE DOUBLE ROLLER INOX	160 Kg	006.1075.--
062.7096.--	GALET DOUBLE REGLABLE INOX ADJUSTABLE DOUBLE ROLLER INOX	200 Kg	006.1075.--



MONTAGE / ASSEMBLY

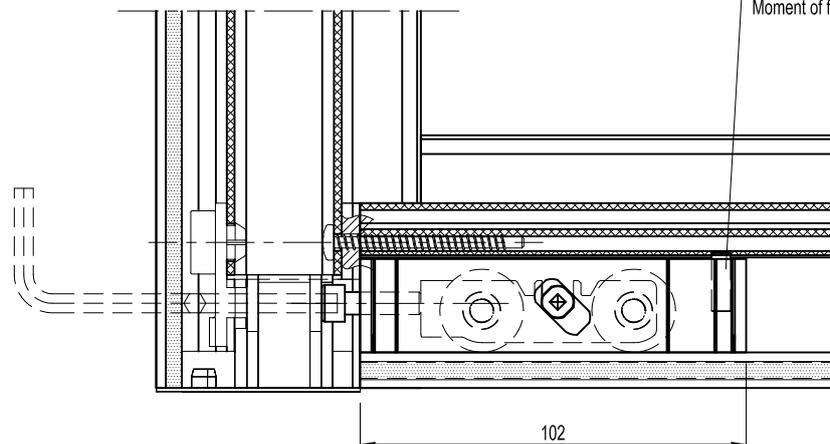
- Glisser les galets dans la traverse basse avant assemblage (Mt lateral).
- Immobiliser les chapes à l'aide des vis pointeaux.
- Insert roller into bottom vent before assembly (side vent).
- Fix by means of pressure screws.

REGLAGE  
Clé six pans de 5  
ADJUSTMENT  
Socket head wrench 5

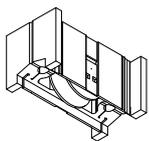


Vis de fixation (Clé six pans de 2,5)  
Couple de serrage maxi 2.5Nm  
Fixing screw (Socket head wrench 2.5)  
Moment of force max. 2.5 Nm

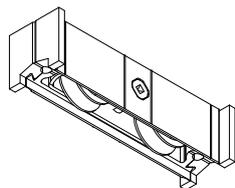
REGLAGE  
Clé six pans de 5  
ADJUSTMENT  
Socket head wrench 5



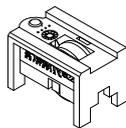
062.7101.-



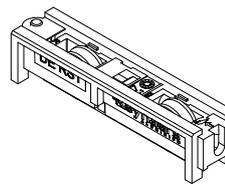
062.7103.-



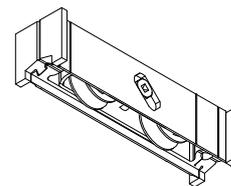
062.7163.-



062.7164.-



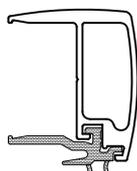
062.7095.-



		POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT	RAIL RAIL
062.7101.-	GALET SIMPLE NON REGLABLE NON ADJUSTABLE SIMPLE ROLLER	60 Kg	006.1076.17 006.1077.04
062.7103.-	GALET DOUBLE NON REGLABLE NON ADJUSTABLE DOUBLE ROLLER	120 Kg	006.1076.17 006.1077.04
062.7163.-	GALET SIMPLE NON REGLABLE INOX NON ADJUSTABLE SIMPLE ROLLER INOX	80 Kg	006.1075.- -
062.7164.-	GALET DOUBLE NON REGLABLE INOX NON ADJUSTABLE DOUBLE ROLLER INOX	160 Kg	006.1075.- -
062.7095.-	GALET DOUBLE NON REGLABLE INOX NON ADJUSTABLE DOUBLE ROLLER INOX	200 Kg	006.1075.- -

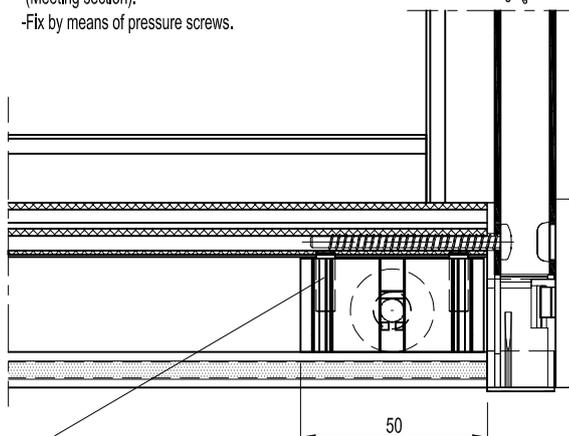
-Glisser les galets dans la traverse basse avant assemblage (Montant central).  
-Immobiliser les chapes à l'aide des vis pointaux.

-Insert roller into bottom vent before assembly (Meeting section).  
-Fix by means of pressure screws.

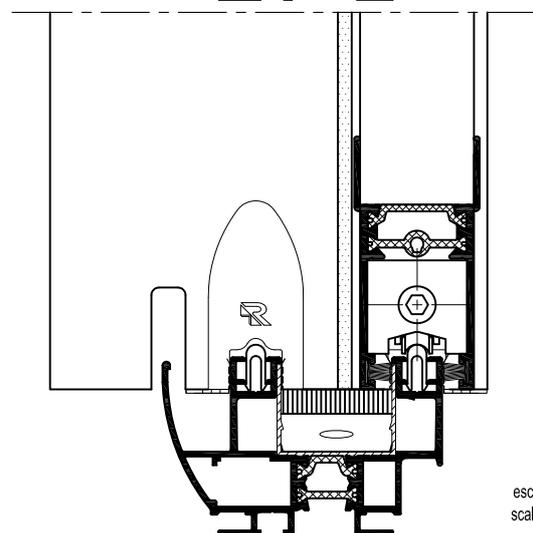
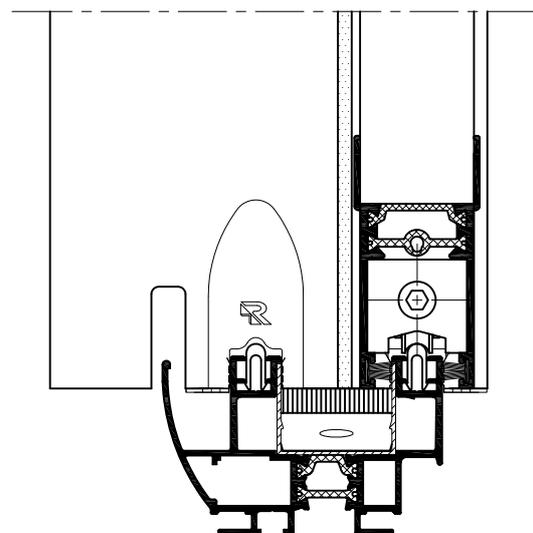
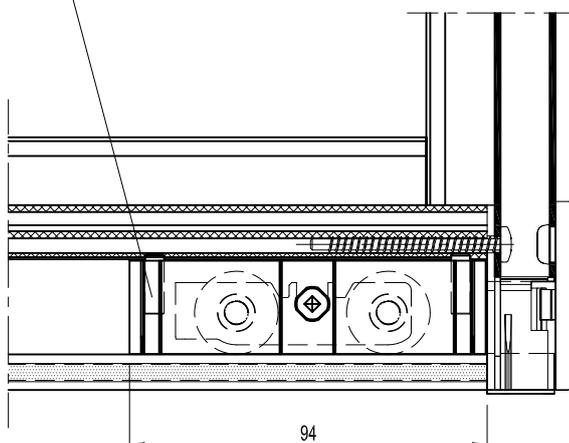


- Le bon fonctionnement du vantail sur la brosse d'étanchéité centrale est garantie par le galet non réglable du côté chicane.

-The vent good work on the central closer has guarantee by the roller non ajustable side the meeting section.



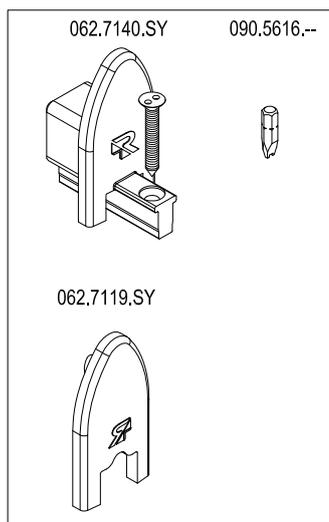
⚠ Vis de fixation (Clé six pans de 2,5)  
Couple de serrage maxi 2,5Nm  
Fixing screw (Socket head wrench 2,5)  
Moment of force max. 2,5 Nm



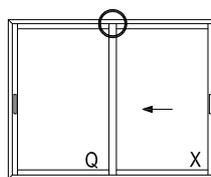
escala - échelle  
scale - Maßstab  
1/2



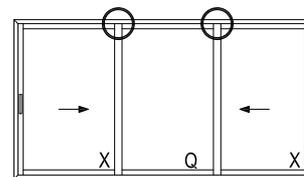
D1000435



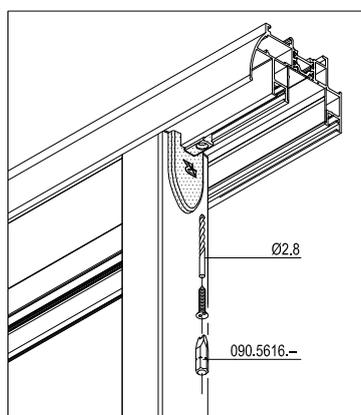
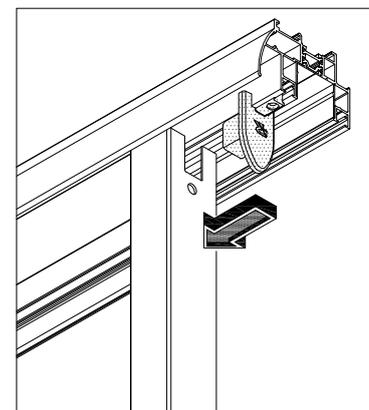
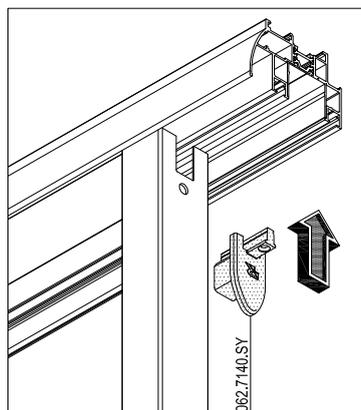
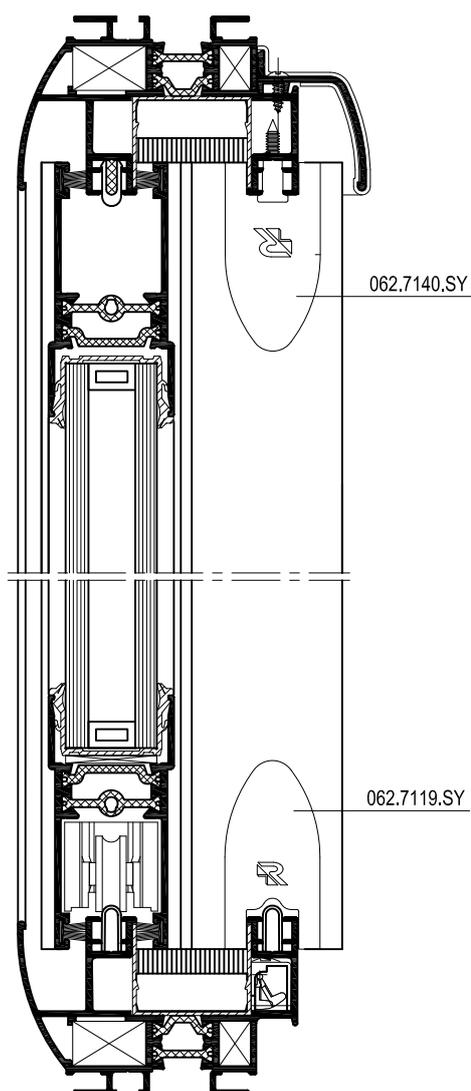
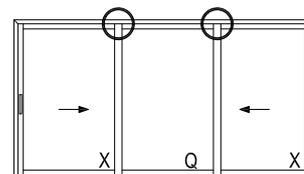
2 vantaux sur 2 rails  
2 vents / 2 rails



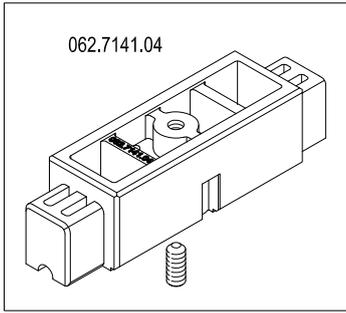
3 vantaux sur 2 rails  
3 vents / 2 rails



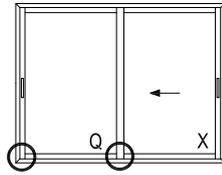
3 vantaux sur 3 rails  
3 vents / 3 rails



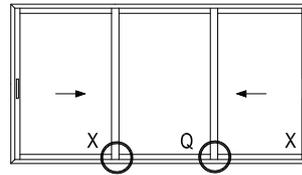
Nota : 062.7119.SY et 062.7140.SY  
sont à poser sur chantier  
Note : 062.7119.SY and 062.7140.SY to put  
on the site



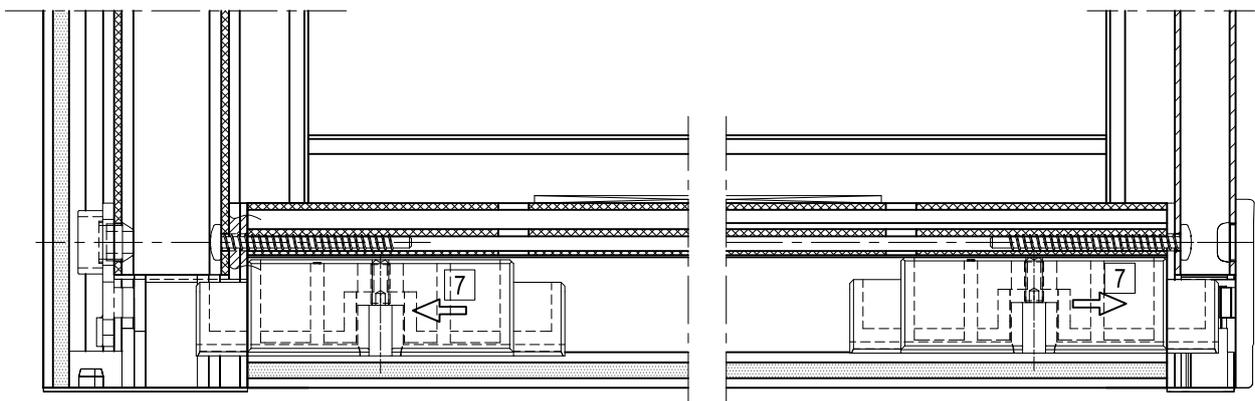
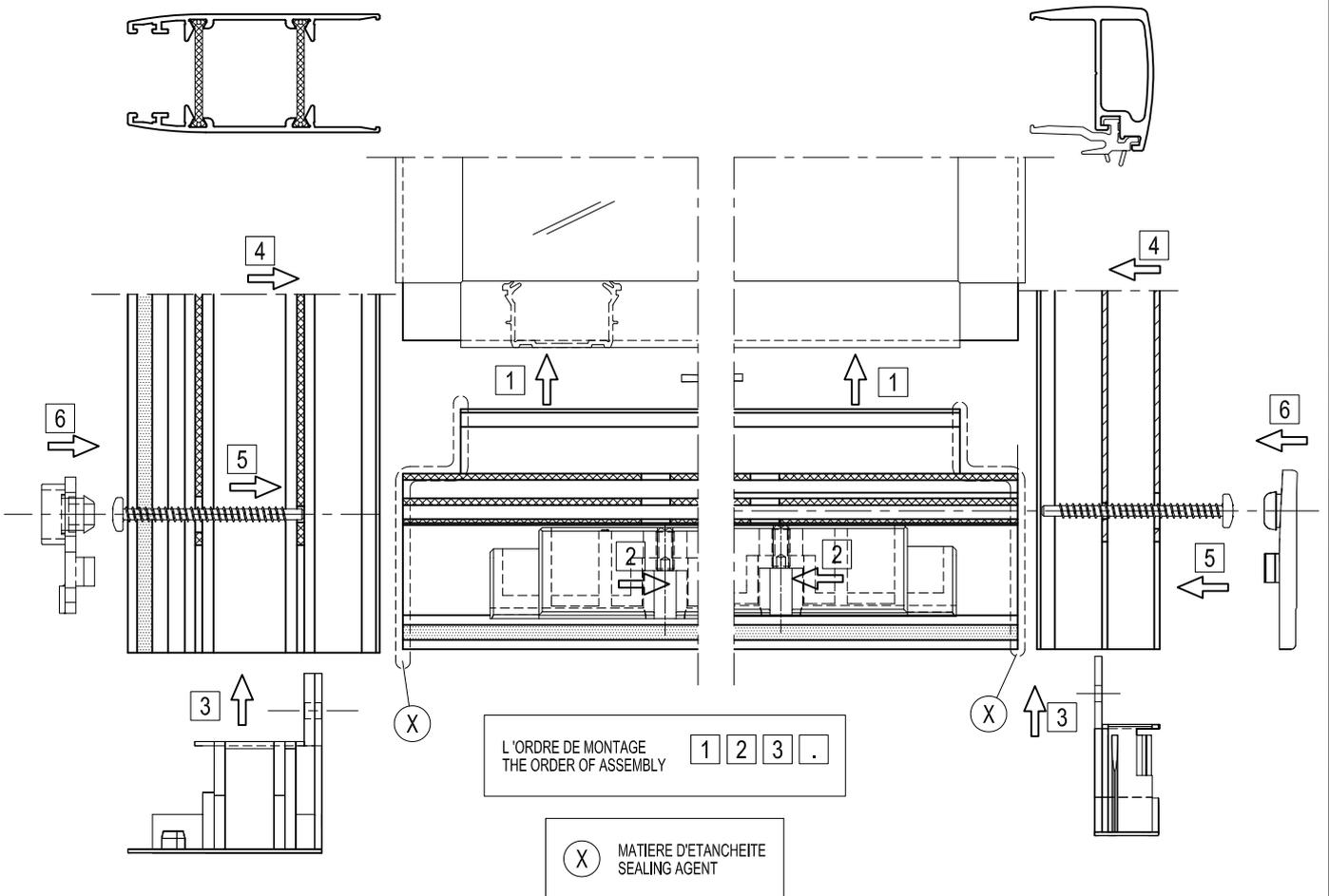
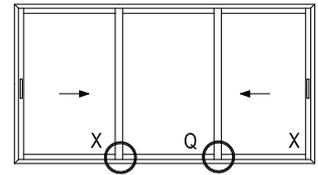
2 vantaux sur 2 rails  
2 vents / 2 rails

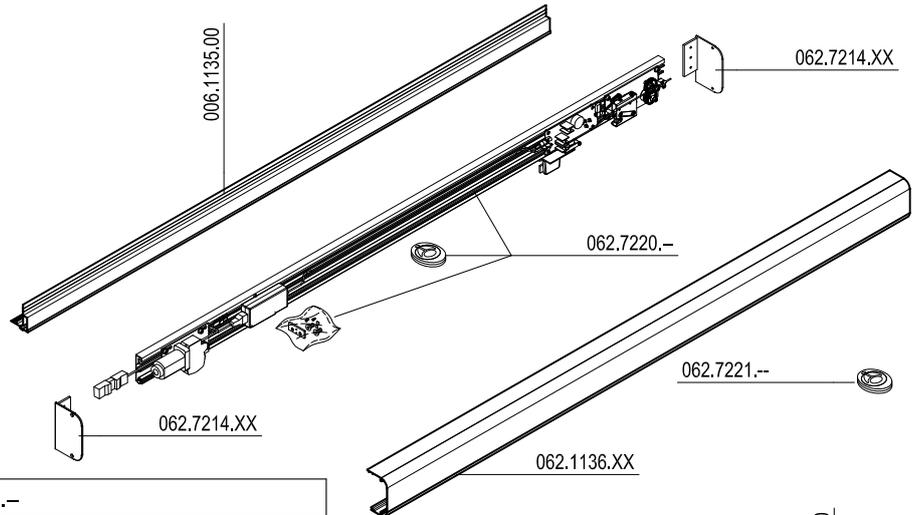
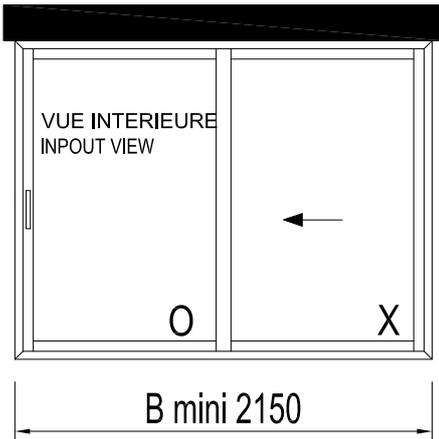


3 vantaux sur 2 rails  
3 vents / 2 rails



3 vantaux sur 3 rails  
3 vents / 3 rails

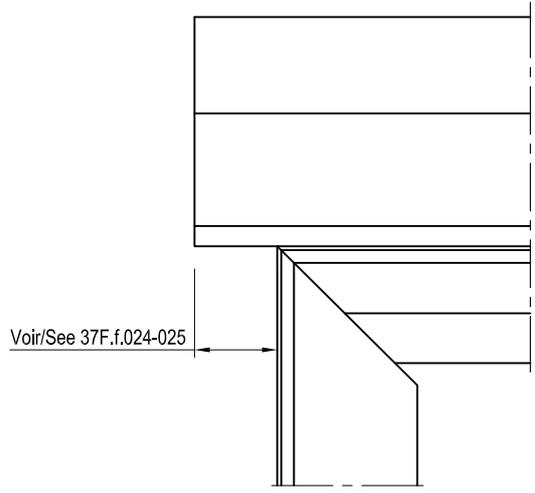
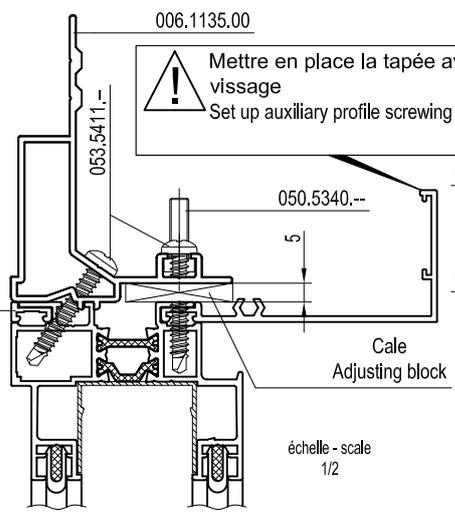
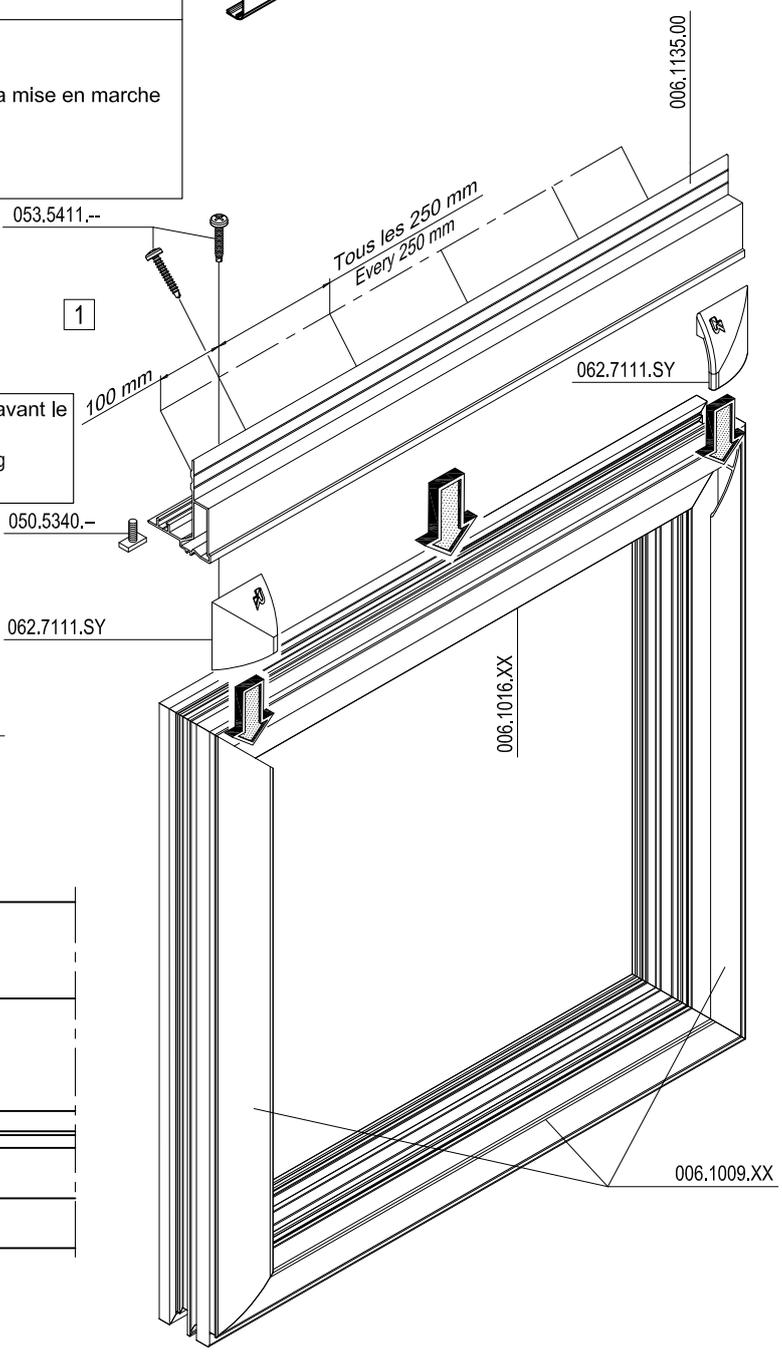




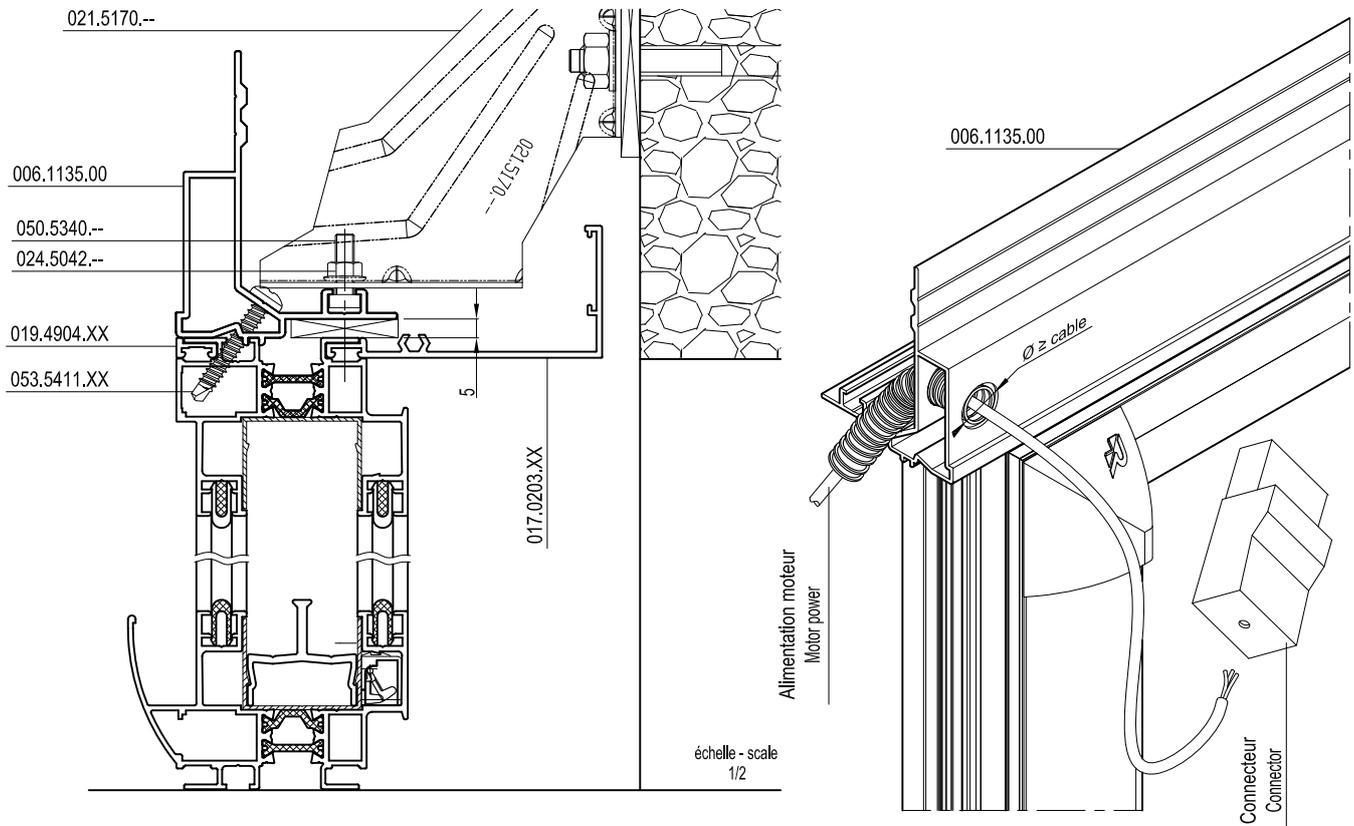
Moteur / Motor 062.7220.--

- Ouverture programmée de 1000mm (Maxi 1300 mm)  
Preset opening of 1000 mm (Max 1300 mm)
- Aucun réglage a effectuer sur les positions du moteur avant la mise en marche  
No setting necessary. Motor stroke is preset
- Poids Maxi du vantail 120 Kg  
Maximal weight vent 120 kg

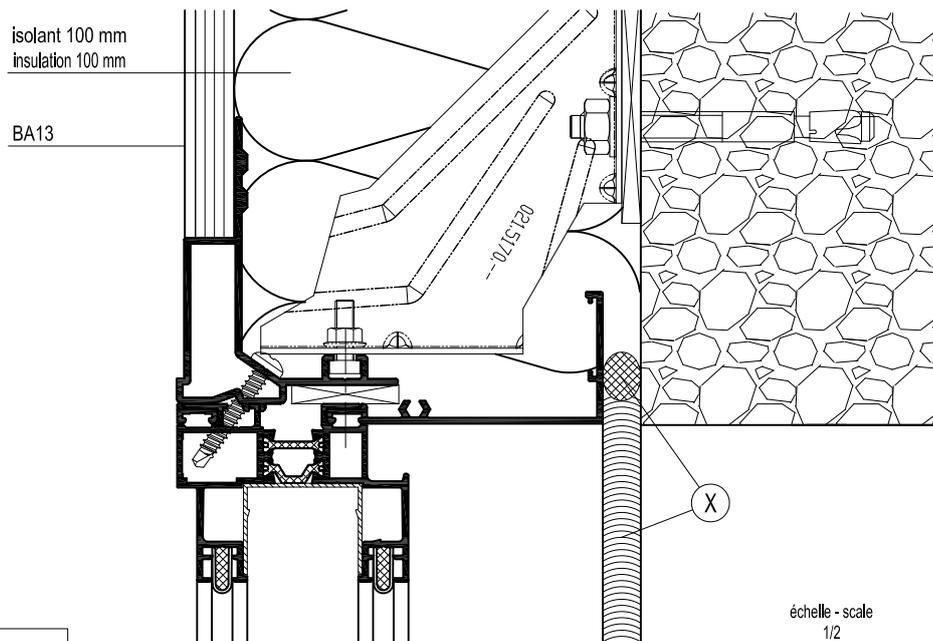
1 Fixer le profile 006.1135.00 sur le bâti avec les vis 053.5411.-- sans oublier d'insérer les clameaux ref 050.5340.-- entre les vis dans la gorge du profile.  
 Fix the profile 006.1135.00 with screw 053.5411.-- without forgetting the fixing pieces 050.5340.--



- 2 Poser le bâti sur la reserve, et percer l'extrémité du profile 006.1135.00 pour le passage du cable du moteur (Ø au choix du poseur). Passer le cable dans le trou et brancher le demi connecteur  
 Put outer frame in place and drill end part of 006.1135.-- in order to set up electric cable

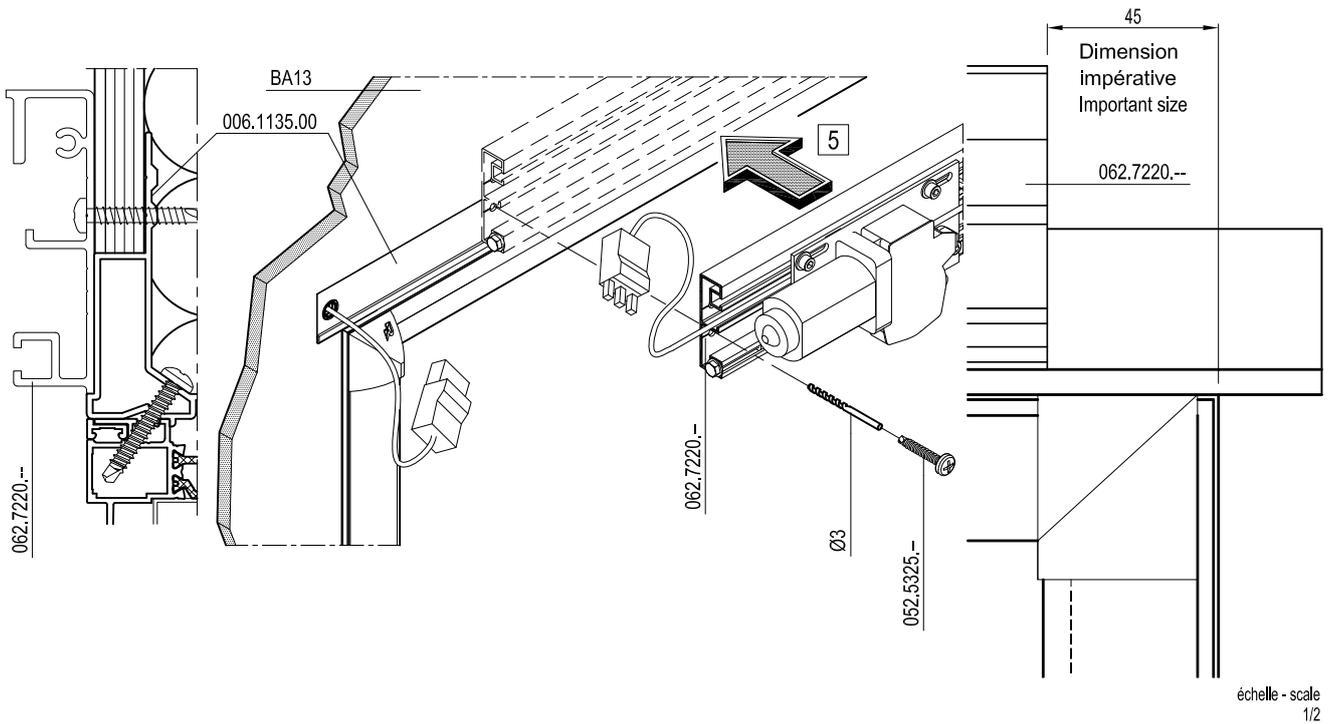


- 3 Mise en place de l'isolation et du BA13 par le plaquiste.  
 Wall insulation and plaster plate set up by the dry liner



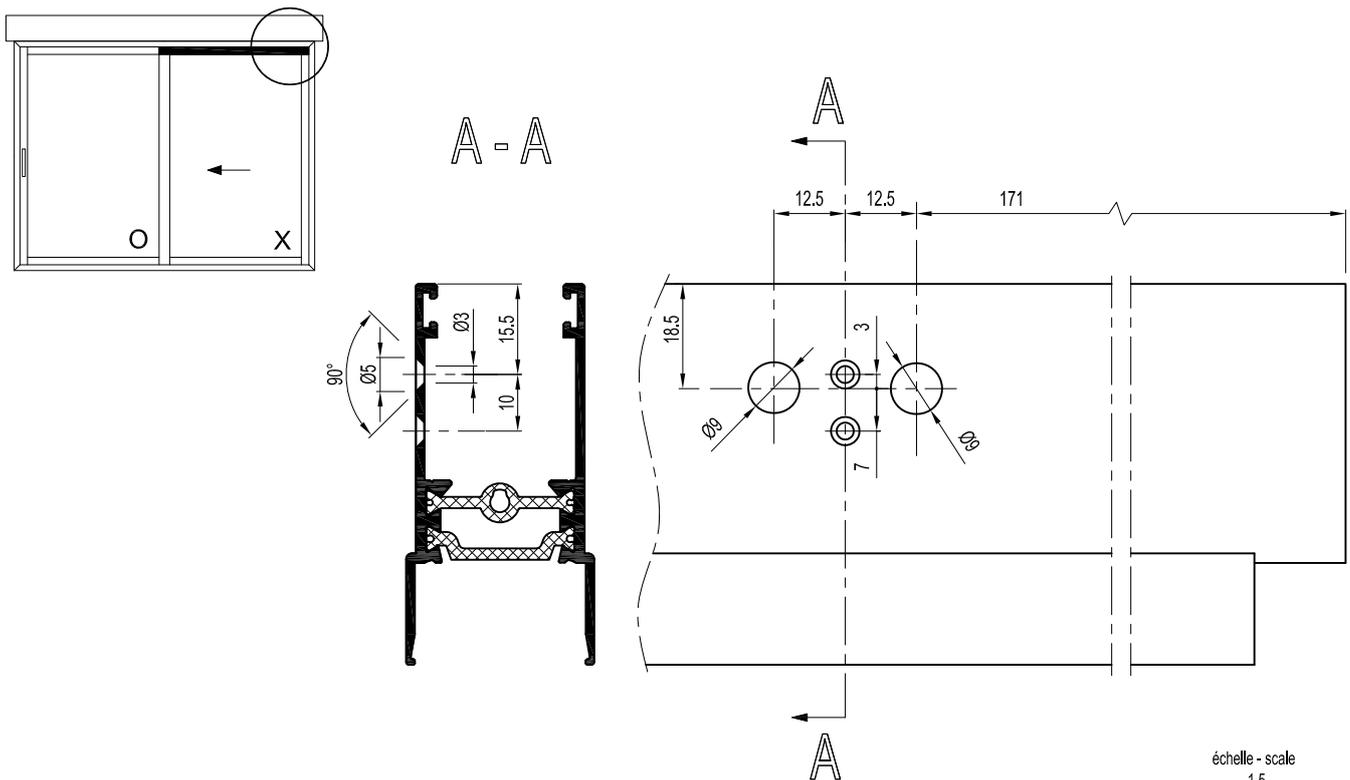
(X) MATIERE D'ETANCHEITE  
 SEALING AGENT

- 4 Fixation du kit moteur 062.7220.-- sur le profile 006.1135.00  
 Engine kit fixation on profile 006.7220.-- on 006.1135.00

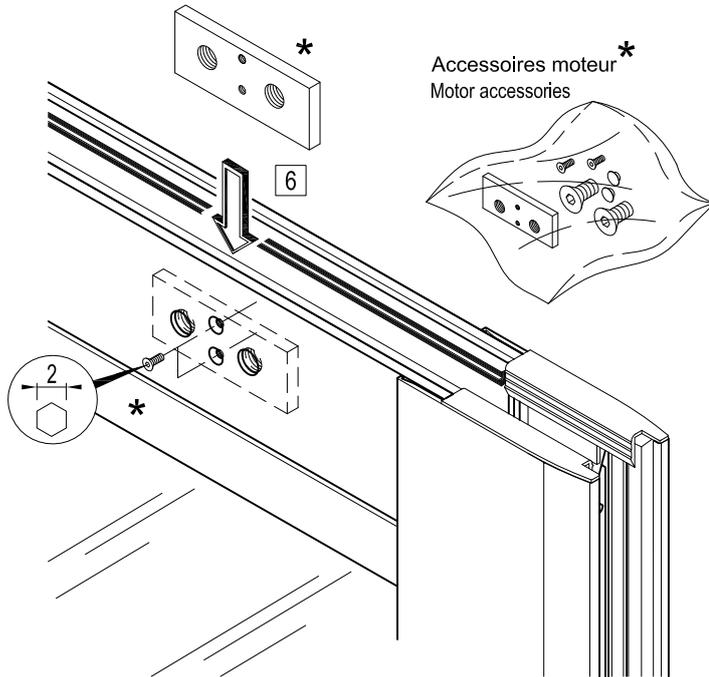


Positionner le kit moteur 062.7220.-- sur le profile 006.1135.00 , en respectant la cote de 45 mm.  
 Repérer sur le profile 006.1135.00, la position des 5 perçages du kit moteur, et percer ce dernier au diamètre 3.5 mm.  
 Visser l'ensemble avec 5 vis réf. 052.5325.--  
 Place the engine kit 062.7220.-- on the profile 006.1135.00 according to the size 45mm  
 Drill 5 holes diameters 3.5mm and screw (5 x 052.5325.--)

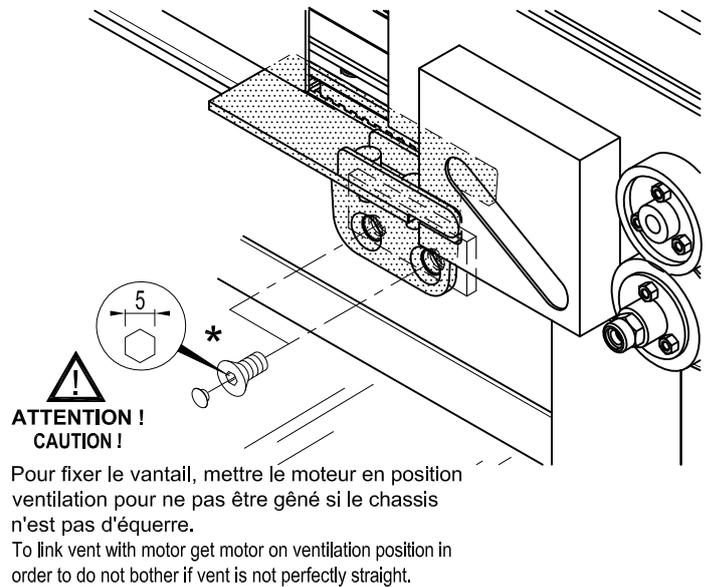
- 5 Percer la toile intérieure de la traverse haute du vantail de service.  
 Drill the inside face of transom



- 6** Insérer et visser la platine dans la traverse haute du vantail droit à l'aide de vis TF M3\*.  
 Place the fixing piece on top transom with screw FH M3\*

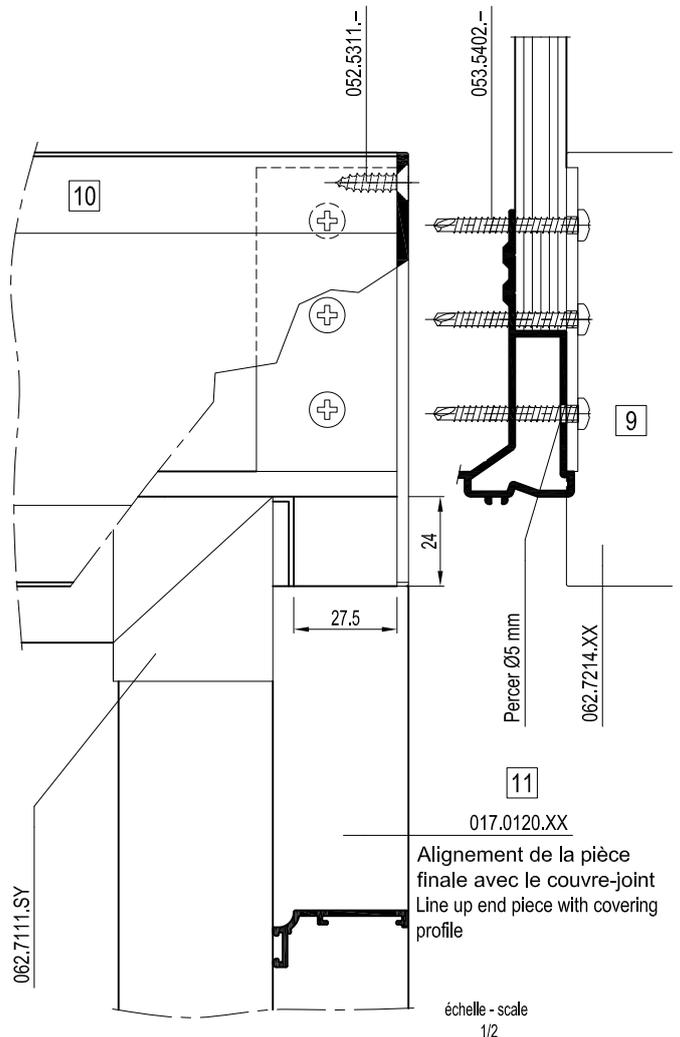
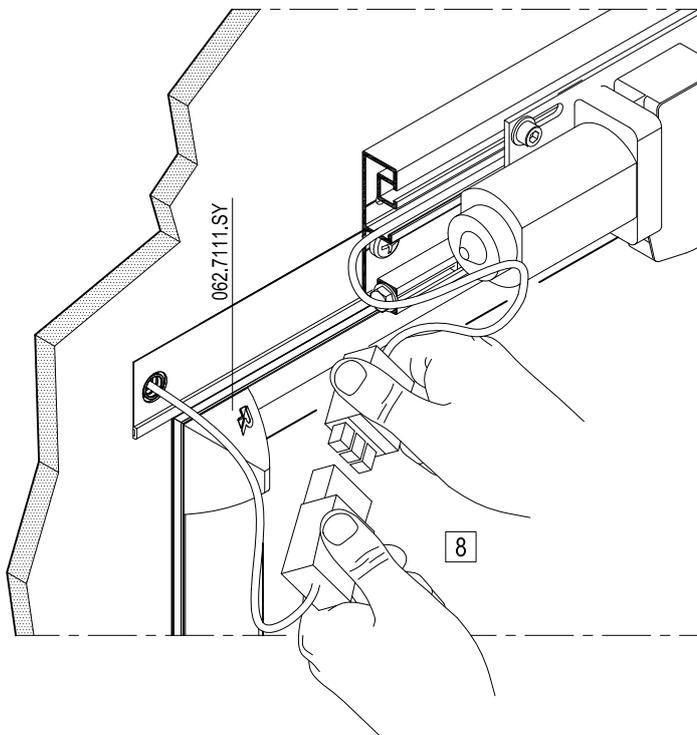


- 7** Mettre en place les vantaux, et les régler par rapport au châssis.  
 Solidariser le moteur au vantail à l'aide de la patte.  
 Place the vents and adjust it



- 9** Fixer les embouts 062.7214.XX de chaque côté du moteur avec 3 vis ref. 053.5402.--  
 Set end pieces 062.7214.XX on each side by 3 screws 053.5402.--

- 8** Faire le branchement des connecteurs puis effectuer les essais à l'aide de la télécommande.  
 Plug connectors and test by remote control.



**RAPPEL**

Les éléments spécifiques du couissant motorisé sont les profiles 006.1135.00 ,006.1136.XX, le moteur 062.7220.-, les pièces finales 062.7214.XX et la traverse haute 006.1016.XX

**REMINDER**

The specific articles usefull to motorized sliding model are : profiles 006.1135.00, 006.1136.XX, motor 062.7220.-, end pieces 062.7214.XX and outer frame 006.1016.XX on top.

**DRAINAGE DES VANTAUX/DRAINAGE VENTS:**

Voir page/ See page 37F.f.060 - 37F.f.061

**DRAINAGE DU DORMANT/DRAINAGE OUTER FRAME:**

Voir page/ See page 37F.f.062 - 37F.f.063

ALIGNEMENT DE LA PIECE FINALE AVEC LE COUVRE JOINT  
LINE UP END PIECE AND COVERING PROFILE

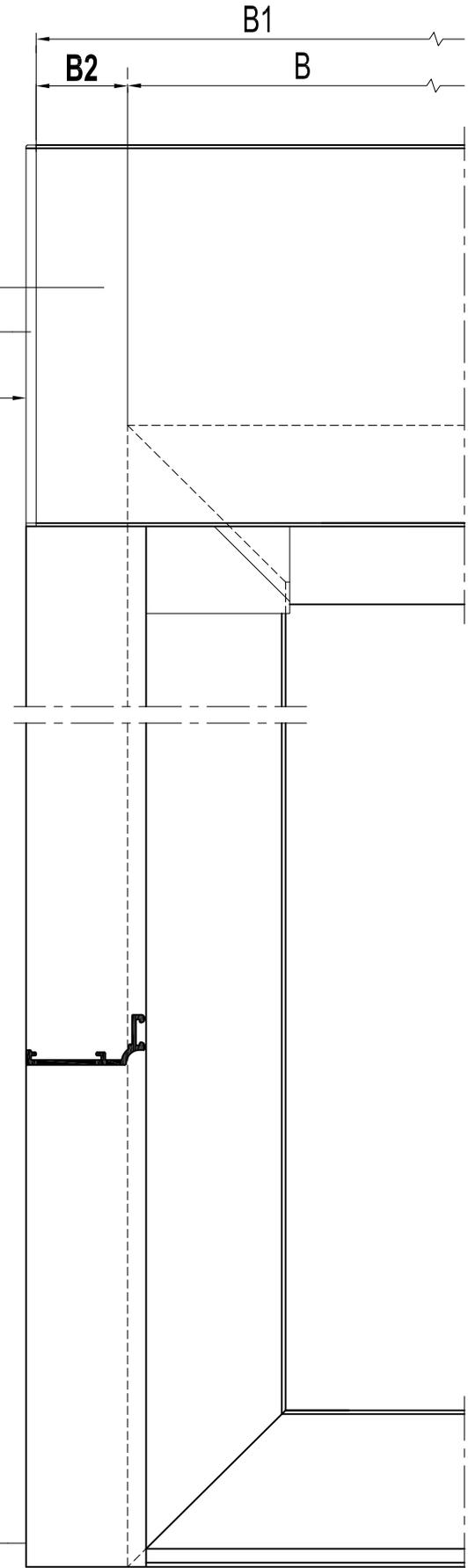


TABLEAU DE DEBIT / CUTTING SIZE

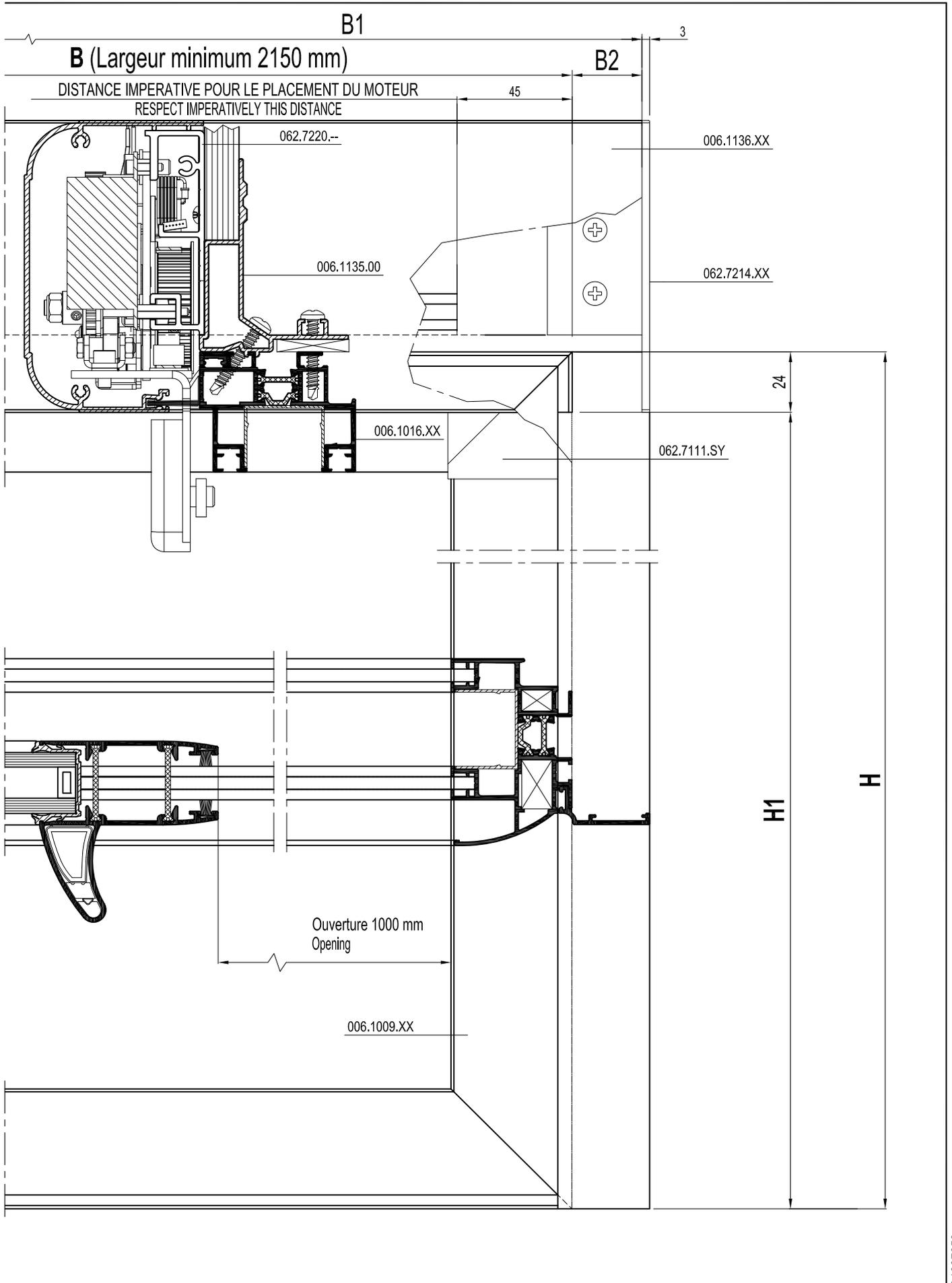
Couvre-joint Covering profile	B2	H1
017.0110.XX	27.5 mm	H - 24 mm
017.0120.XX	27.5 mm	
017.0131.XX	27.5 mm	
017.5022.XX	47.5 mm	
017.0119.XX	67 mm	
017.0077.XX	47 mm	
011.5129.XX	46.5 mm	

TABLEAU DE DEBIT/ CUTTING SIZE

Profile	Lm	
006.1135.XX	$B + (2 \times B2)$	
006.1136.XX	$B + (2 \times B2)$	
006.1016.XX	B	
019.4904.XX	$B - 3$	
006.1009.XX	1B 2H	

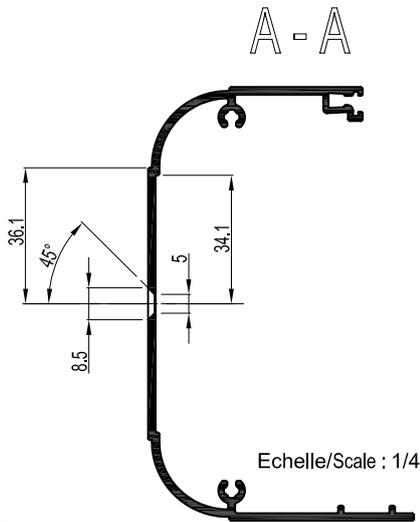
Joint brosse Brush	B1
029.5401.04	$B + (2 \times B2)$

017.0120..XX  
011.5129.XX  
017.0110.XX  
017.0131.XX  
017.0119.XX  
017.0077.XX  
017.5022.XX



**CONFIGURATION : "ENTRE TABLEAU"**

Procédure de montage identique aux pages précédentes



**RAPPEL**

Les éléments spécifiques du coulissant motorisé "entre tableau" sont les profils 006.1135.00, 006.1136.XX, le moteur 062.7220.--, les pièces de fixation 061.7215.00

**REMINDER**

The specific articles usefull to motorized sliding model "between wall reveal" are : profiles 006.1135.00, 006.1136.XX, motor 062.7220.--, fixation plates 061.7215.00

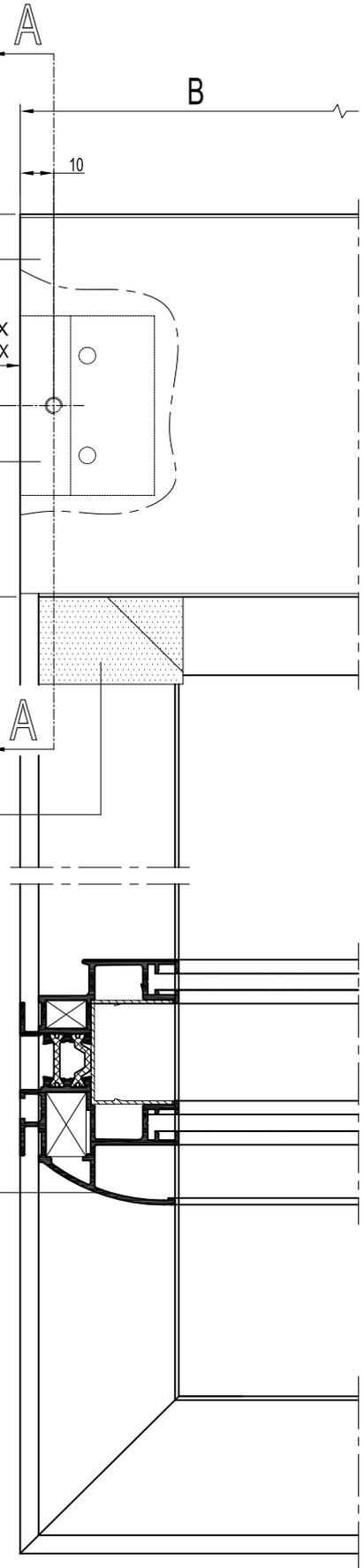
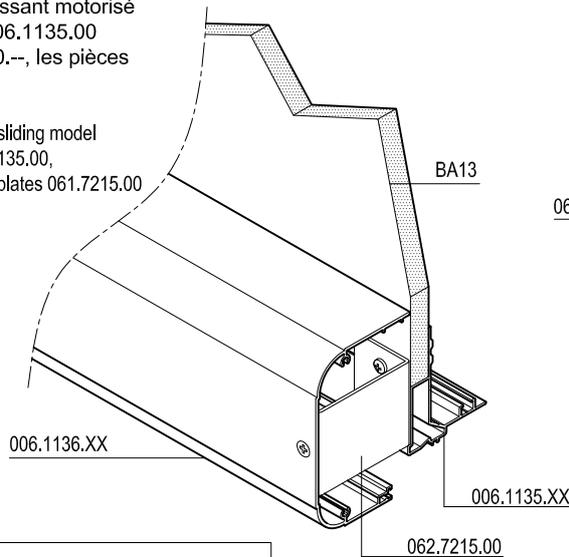
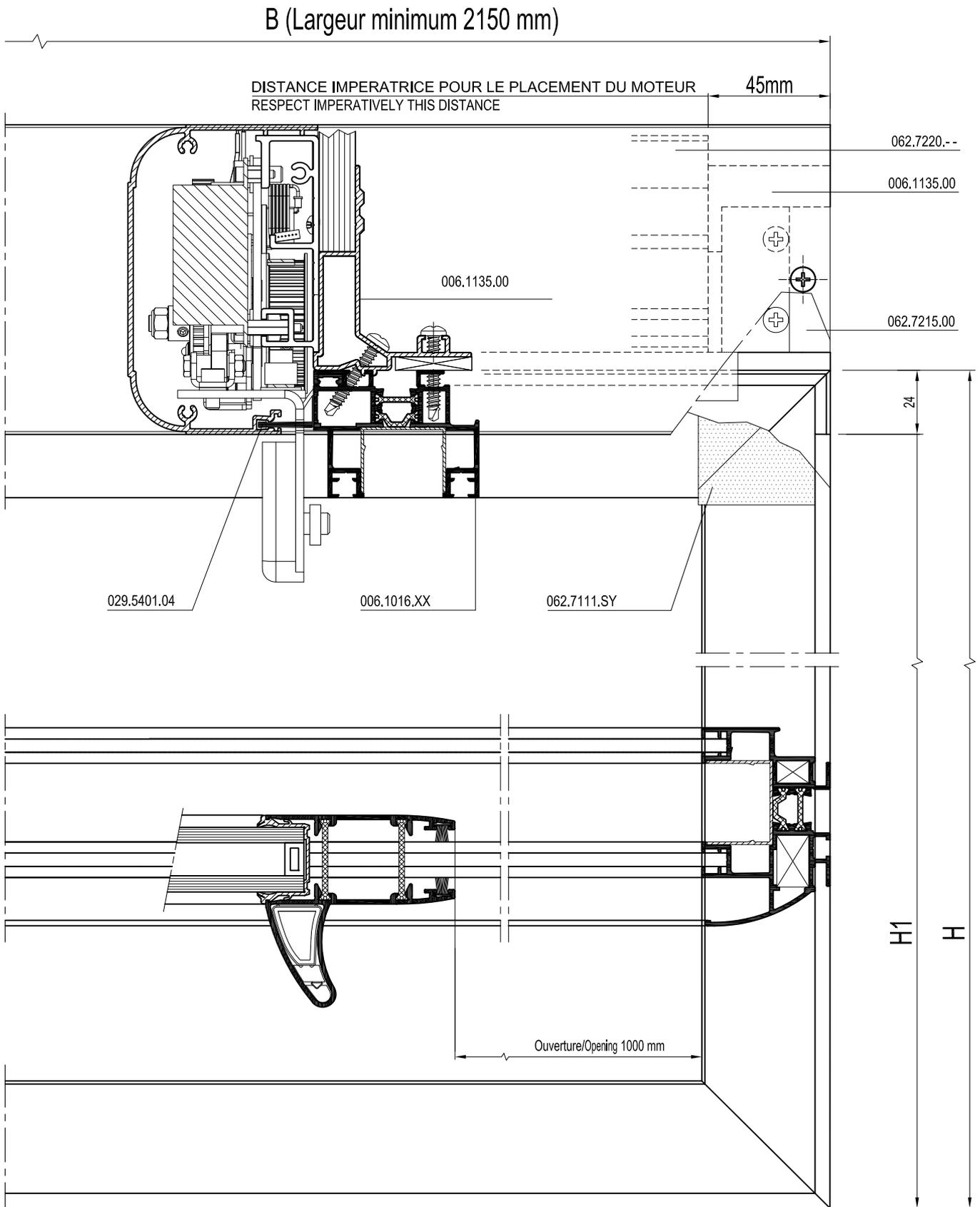


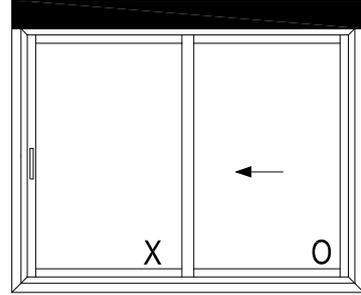
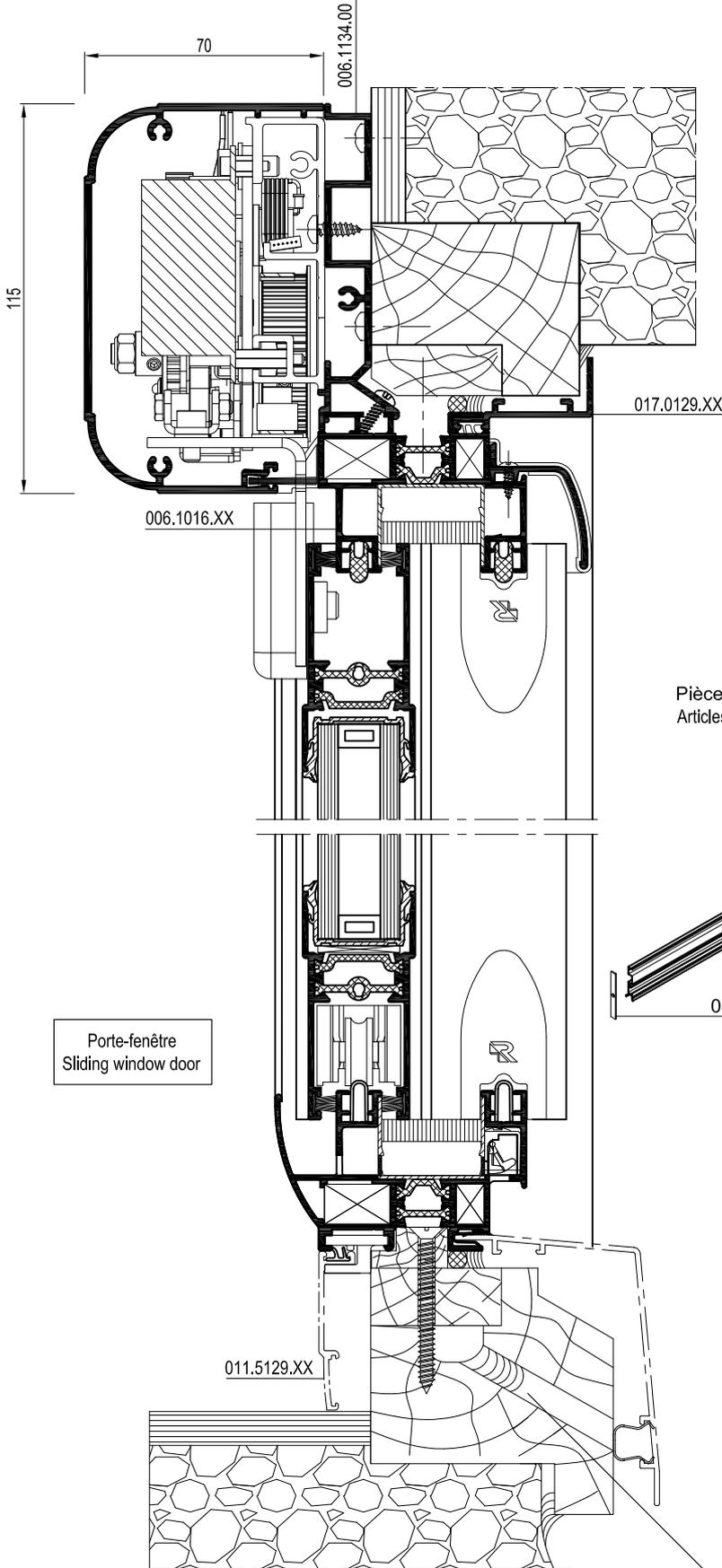
TABLEAU DE DEBIT / CUTTING SIZE		
Profile	Lm	
006.1135.XX	B	
006.1136.XX	B	
006.1016.XX	B	
019.4904.XX	B - 3	
006.1009.XX	2B 2H	

Joint brosse / Brush	B1
029.5401.04	B



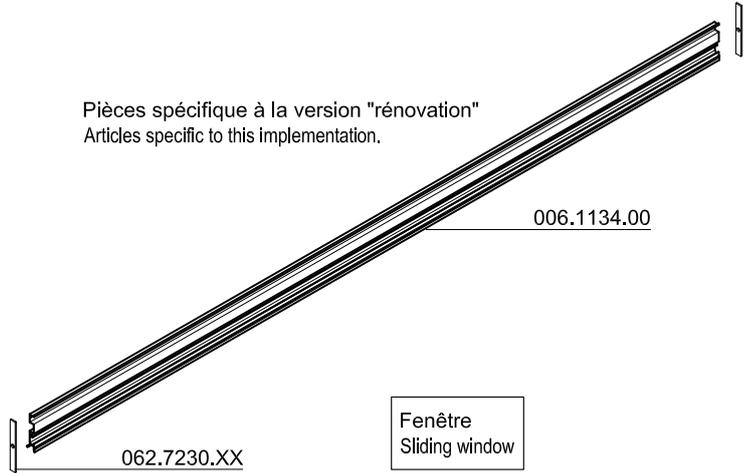
Echelle/Scale : 1/2

DRAINAGE DES VANTAUX/DRAINAGE VENTS:  
 Voir page/ See page 37F.f.060 - 37F.f.061  
 DRAINAGE DU DORMANT/DRAINAGE OUTER FRAME:  
 Voir page/ See page 37F.f.062 - 37F.f.063



Le moteur couissant a une ouverture programmee de 1000 mm .  
 Il n'y a aucun réglage à effectuer sur les positions du moteur  
 avant la mise en marche.  
 Dans le cas de la rénovation, la référence du couvre-joint  
 utilisé est 011.5129.XX  
 The motor is preset for a 1000mm opening range. No other settings necessary.  
 In case of "renovation" implementation, please use covering profile 011.5129.XX

Pièces spécifique à la version "rénovation"  
 Articles specific to this implementation.



062.7230.XX

006.1042.XX

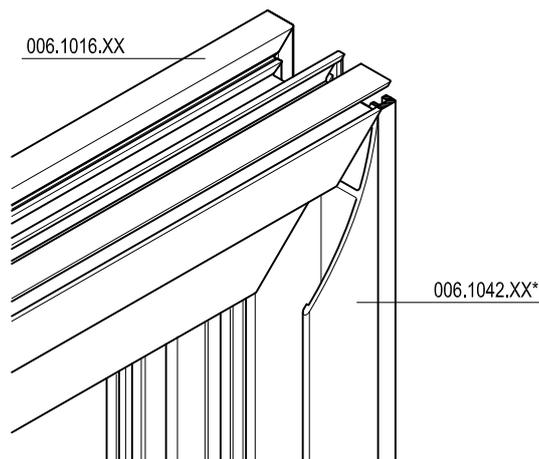
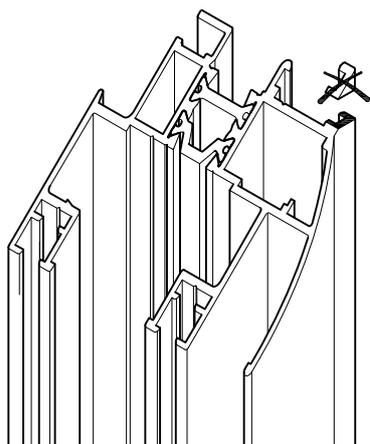
024.5045.00

011.5129.XX

Obstruer le trou  
 Fill up the hole

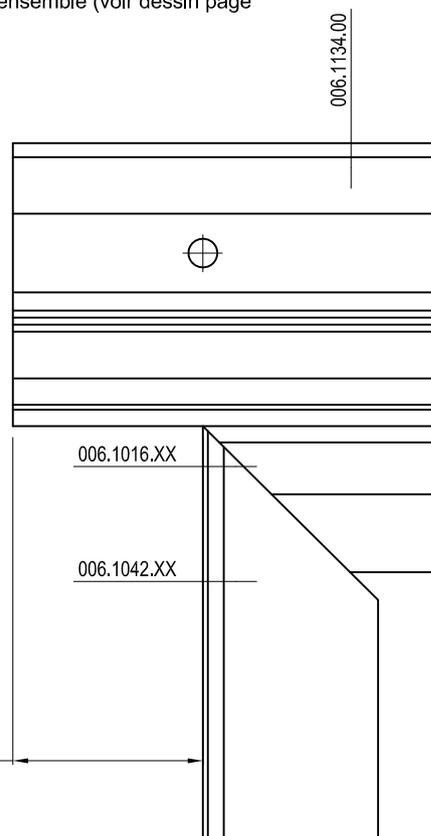
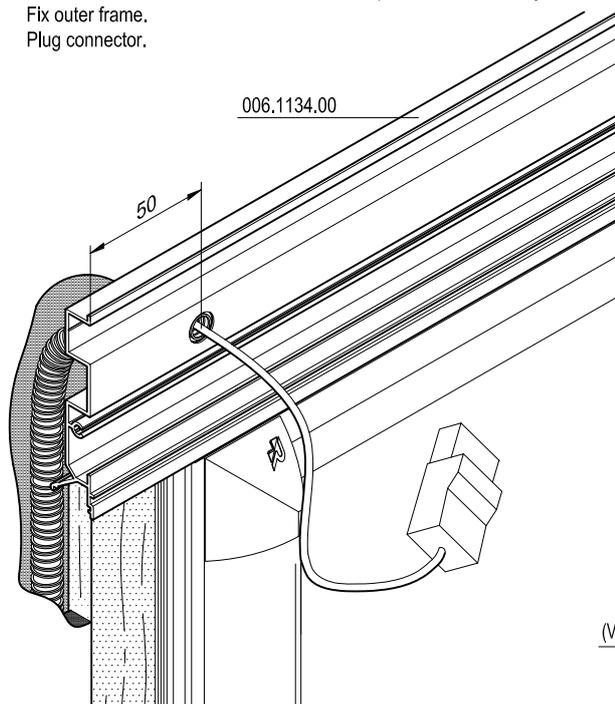
- 1** Assembler le dormant comme préciser dans l'opération **1** page 37F.f.020  
 Le profile 006.1009.XX est remplacé par 006.1042.XX\*, le profile 006.1135.XX par 006.1136.XX et les vis de fixation 053.5411 pour l'assemblage de ces 2 profiles par 037.7305.--  
 Insérer et mettre en place les pièces de fixation 024.5045.00 dans le dormant (fenêtre) ou 069.8416.00 (porte-fenêtre) .Voir dessin page précédente.  
 Assembly outer frame like step **1** from page 37F.f.020.  
 Replace 006.1009.XX by 006.1042.XX\*, 006.1135.XX by 006.1136.XX, and screw 053.5411.-- by screw 037.7305.--.  
 Set 024.5045.00 on outer frame groove and 069.8416.00 (window door only) in bottom part if need be.

\* Usinage de l'extrémité haute du profile 006.1042.XX (montant)  
 \* Cut end part of the groove



- 2** Voir **2** page 37F.f.021  
 See **2** page 37F.f.021

- 3** Percer le profile 006.1134.00 comme indiqué sur le dessin ( $\varnothing$  au choix du poseur).  
 Désassembler le connecteur du cable d'alimentation.  
 Poser le bati sur l'ancien dormant en bois après avoir passé le cable dans le trou. fixer l'ensemble (voir dessin page précédente). remettre le connecteur  
 Drill 006.1134.00 like below ( $\varnothing$  chosen installer).  
 Remove corrector from cable.  
 Set outer frame on old wood outer frame and pass electric cable by the hole.  
 Fix outer frame.  
 Plug connector.

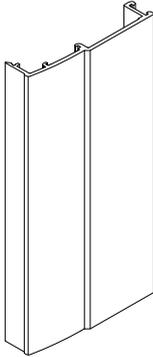


50 OU/OR 52  
 (Voir page suivante / See next page)

- 4 La mise en place du moteur sur le profile 006.1134.00 est identique à l'opération 5 décrite page 37F.f.022.  
 Respecter la même côte de 45 mm.  
 The assembly operation between motor and profile 006.1134.00 is identical to step 5 from page 37F.f.022.  
 Respect the 45 mm dimension
- 5 La mise en place des vantaux, et notamment la fixation de la platine sur le vantail de service reste inchangé par rapport à la motorisation classique. Se reporter aux opérations 6 7 8 de la page 37F.f.023  
 Steps identical to 6 7 8 from page 37F.f.023
- 6 Pose des couvre-joints 011.5129.XX (2 possibilités)  
 Install covering profile 011.5129.XX (2 possibilities)

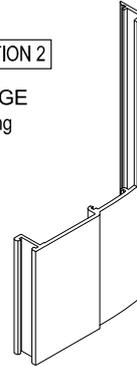
PROPOSITION 1

COUPE DROITE  
 Straight cutting



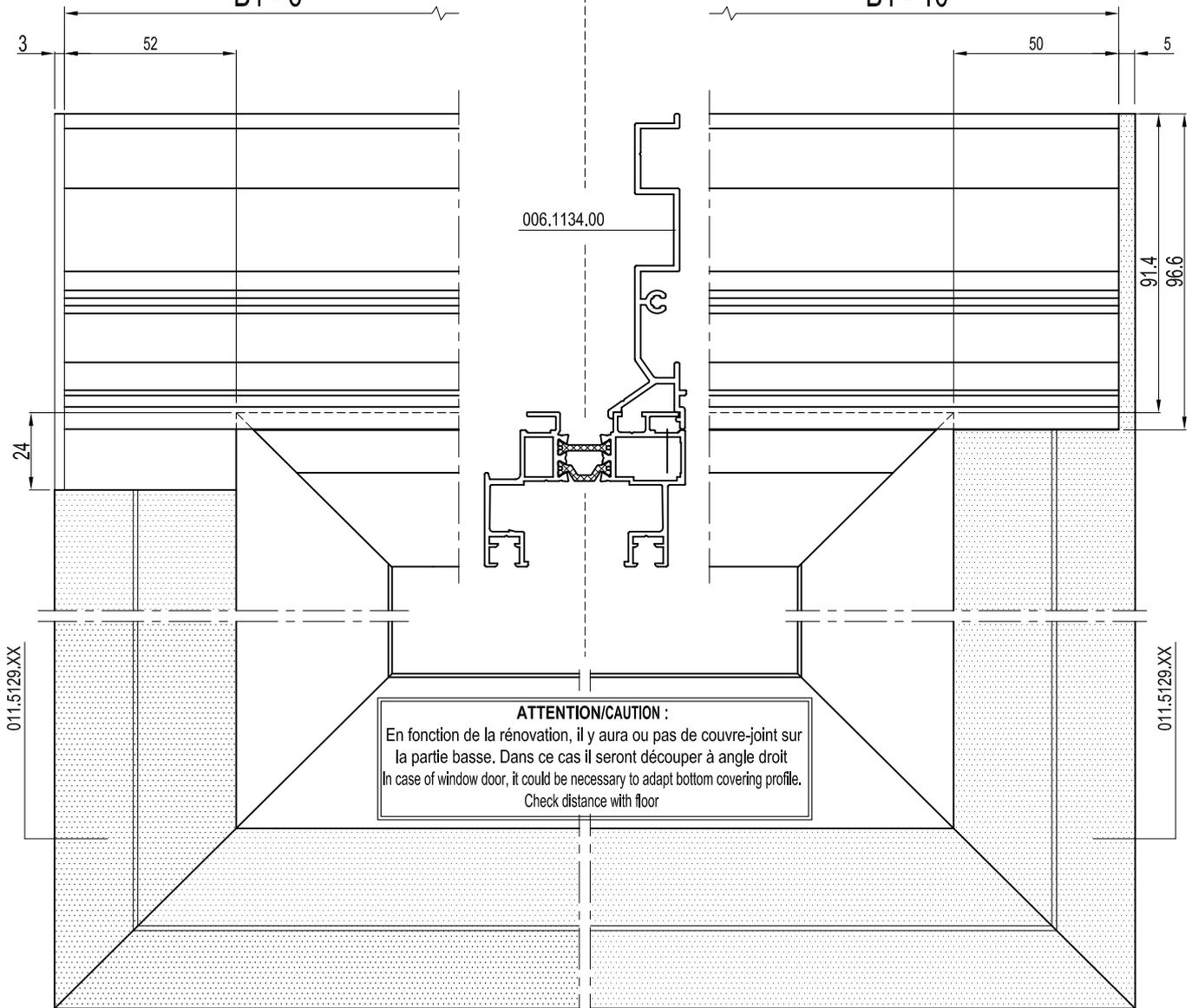
PROPOSITION 2

USINAGE  
 Machining

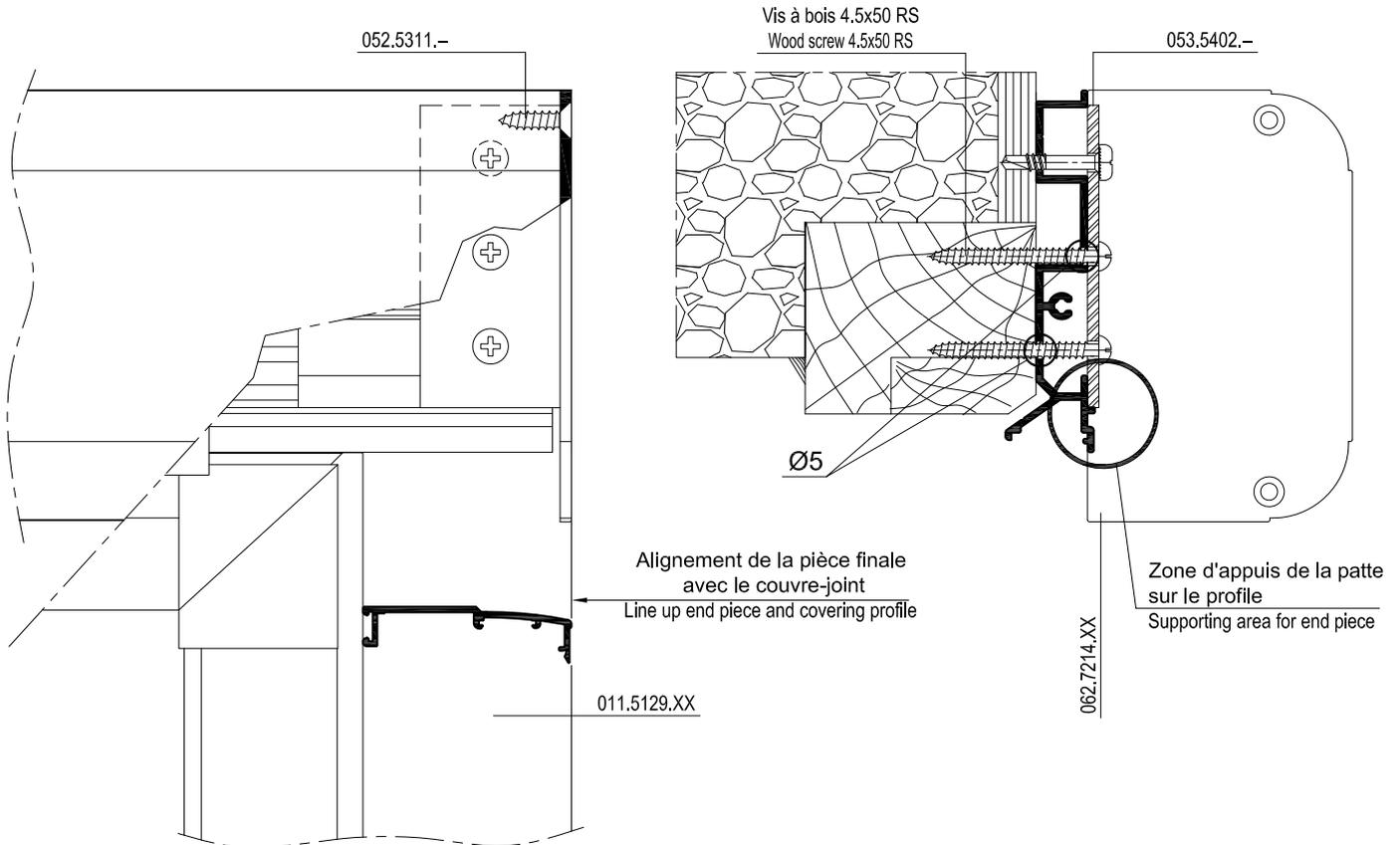


B1 - 6

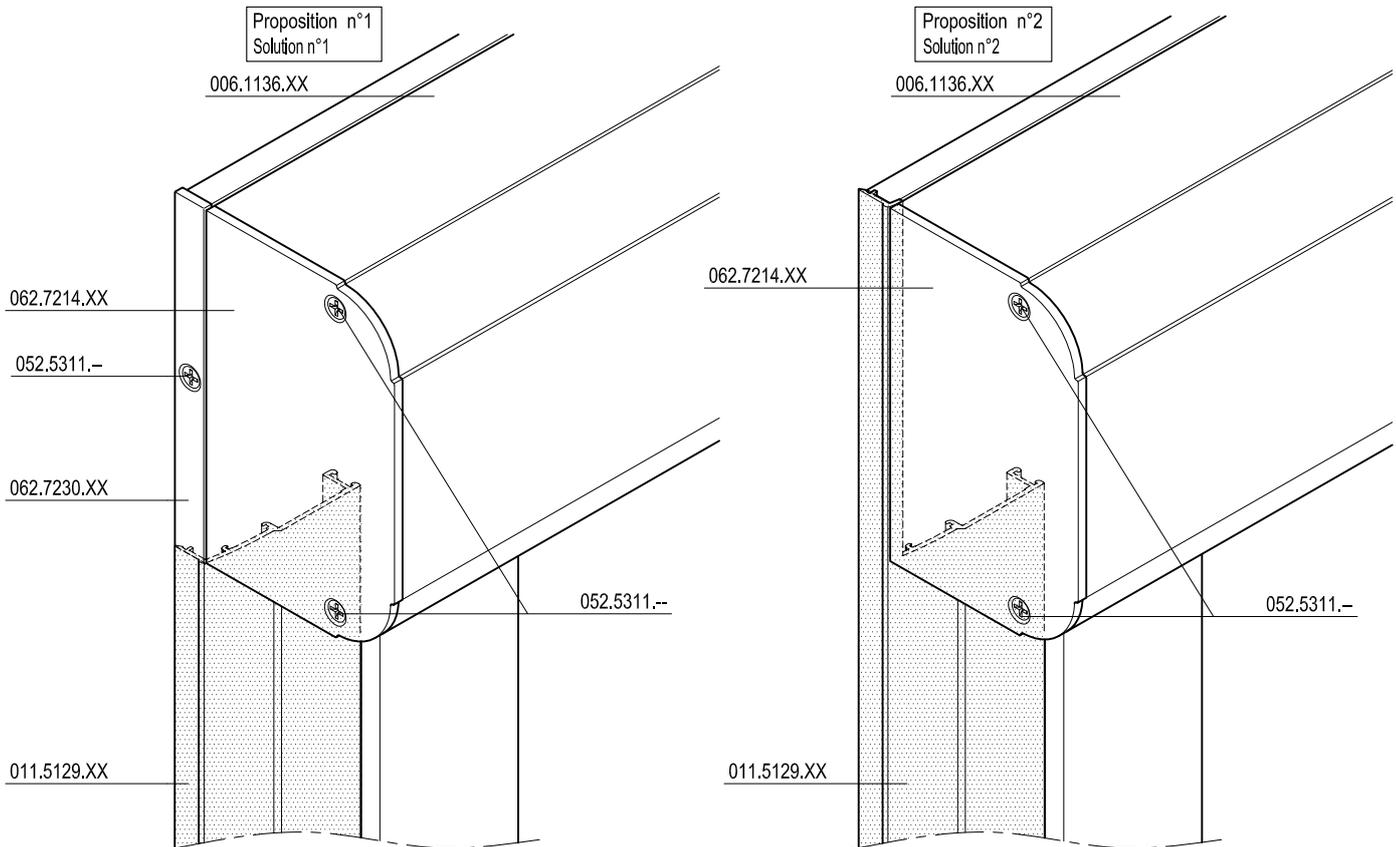
B1 - 10

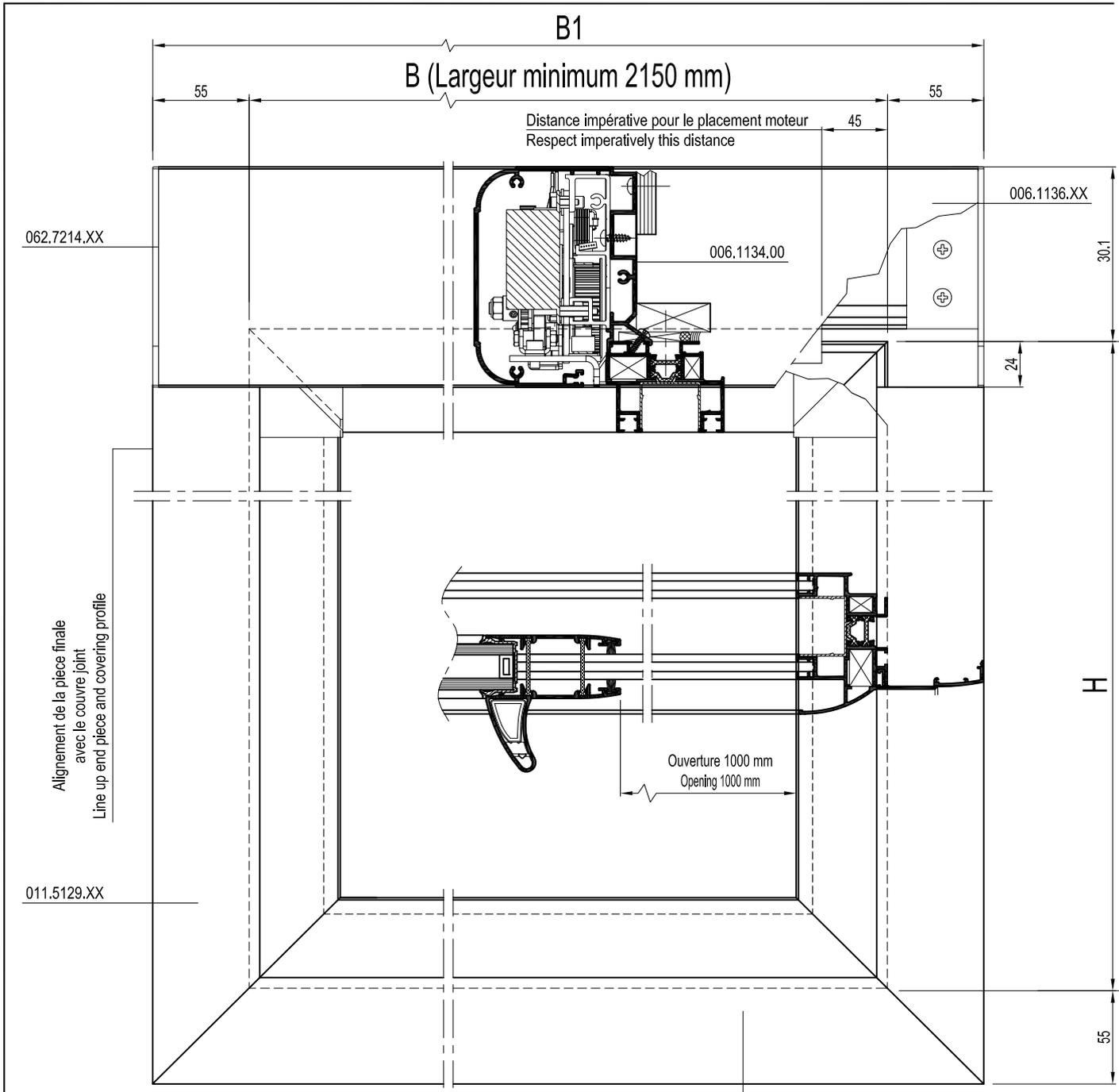


- 7 Positionner et visser les pièces finales 062.7214.XX à l'aide de vis à bois 4.5 x 50 tête bombée, après avoir percé préalablement au diamètre de 5 mm le profile 006.1134.00. Utiliser une vis autoforeuse 053.5402.-- dans le trou du haut de la pièce finale si l'ancien bâti ne monte pas assez haut. Ne pas percer dans ce cas le profile, pour cette vis. Position and screw end pieces 062.7214.XX by the way of wood screw 4.5 x 50, after had drill profile 006.1134.00 to Ø5. Use screw 053.5402.-- on top hole of end piece if wood outer frame is too short.



- 8 Mettre en place le capot 006.1136.XX entre les 2 pièces finales 062.7214.XX, et le fixer avec 4 vis 052.5311.--  
 Install 006.1136.XX between end pieces 062.7214.XX and fix by 4 screws 052.5311.--





			#	$L_m$	
011.5129.XX			2	H + 31	Proposition1
			2	H + 146.4*	Proposition2*
			1	B + 110	
006.1134.00			1	B + 104	proposition 1
			1	B + 100	proposition 2
006.1016.XX			1	B	
006.1042.XX			1	B	
			2	H	
006.1136.XX			1	B + 104	

Attention à la découpe des couvre-joints dans le cas d'une porte fenêtre.  
 (voir page 37F.f.024 et 028).  
 Caution : In case of window door it could be necessary to adapt bottom covering profile (check distance with floor). See page 37F.f.024 and 028.

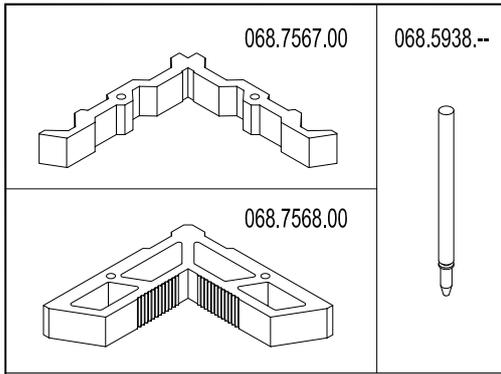
\* Faire un usinage supplémentaire  
 \* Additional machining required

Pour le drainage du dormant et des vantaux se reporter au pages drainage du catalogue.  
 Drainage operations on outer frame and vents are the same that usual models.

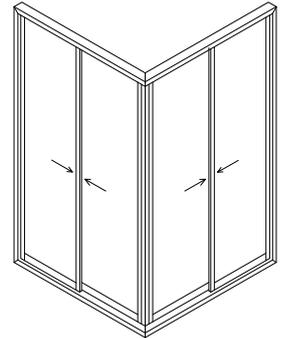
011.5129.XX

D1039225

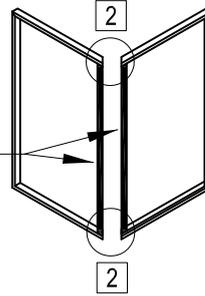




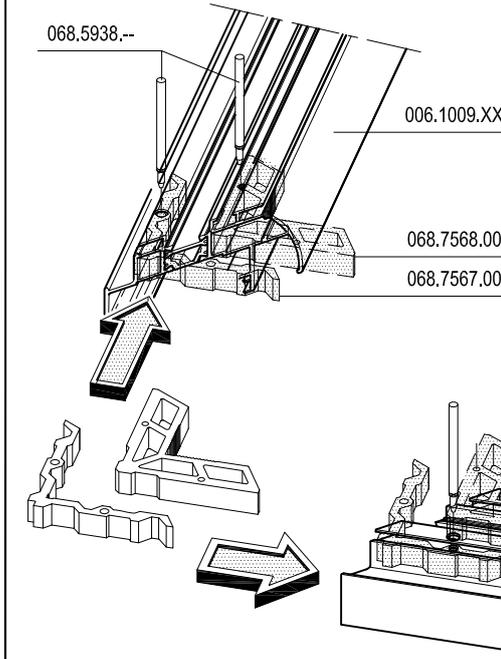
ASSEMBLAGE DU BATI  
SUR CHANTIER  
ASSEMBLY OUTER FRAME ON SITE



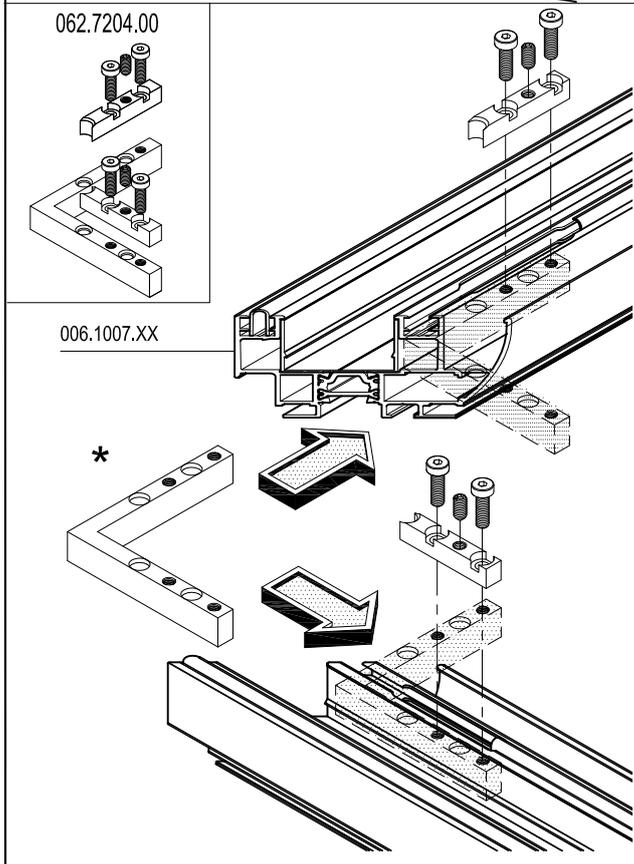
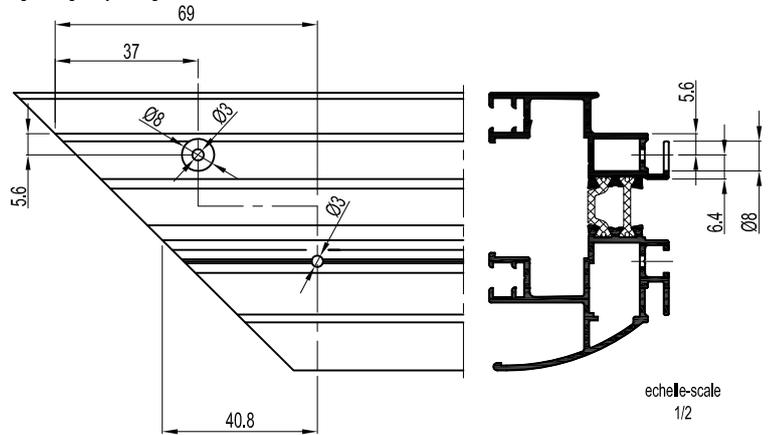
Une entretoise est recommandée pour l'assemblage  
A temporary prop is required during assembly operation



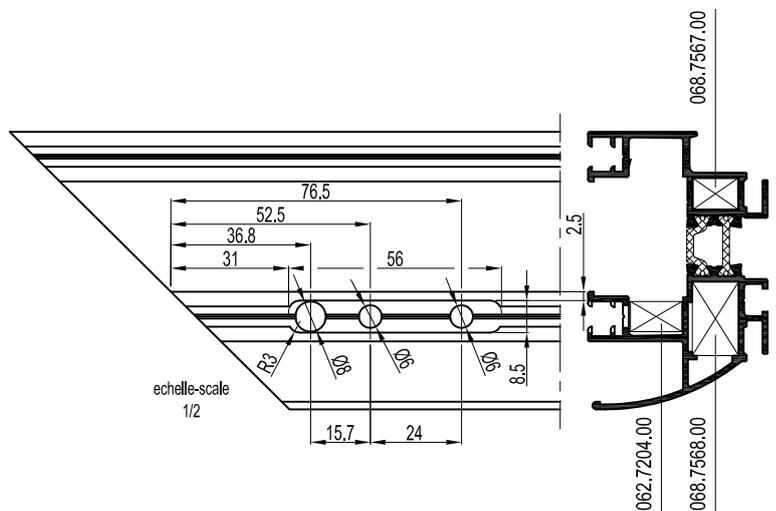
Vérifier l'alignement des angles au fil à plomb  
Check vertical corner alignments by a plumb line



- 1 Assembler la traverse haute et basse sur le montant (faire les 2 faces). Voir 37F.f.000.  
Assembly at first each top and bottom profile with vertical profile.
- 2 Joindre les 2 faces avec les equerres ref. 068.7567.00, 068.7568.00 ainsi que 062.7204.00.  
Create right angle by using corners 068.7567.00, 068.7568.00 and 062.7204.00.



\* L'équerre ref 062.7204.00 peut être placée une fois le cadre assemblé en enlevant le bouclier thermique.  
Corner 062.7204.00 could be put in place after assembly operation by removing thermal shield.

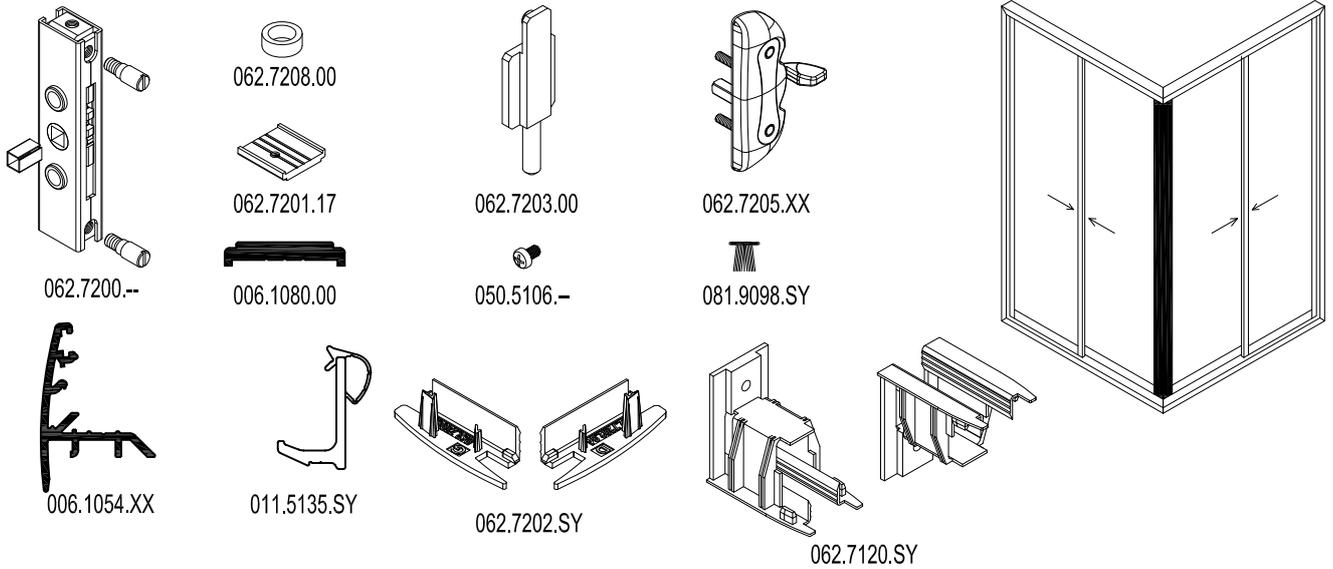


L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

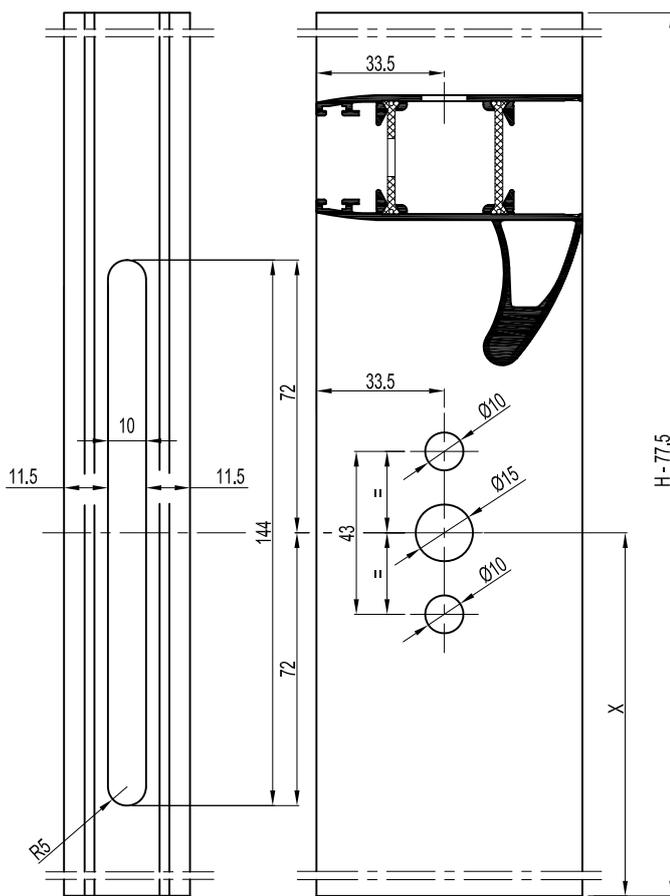


D1000440

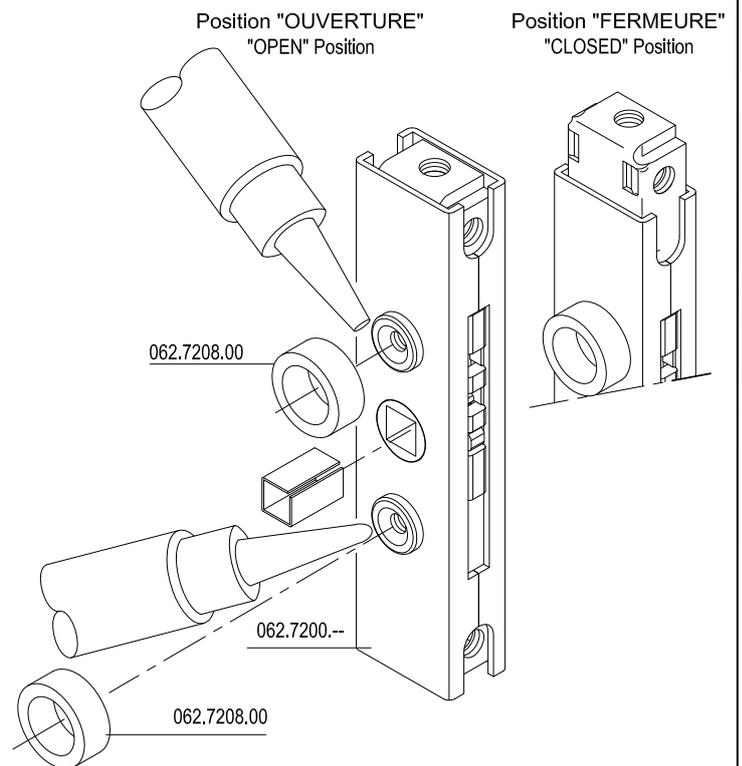
## ASSEMBLAGE DU MECANISME DE FERMETURE DES VANTAUX PROCESS FOR SPECIFIC LOCK



1



echelle-scale  
1/2

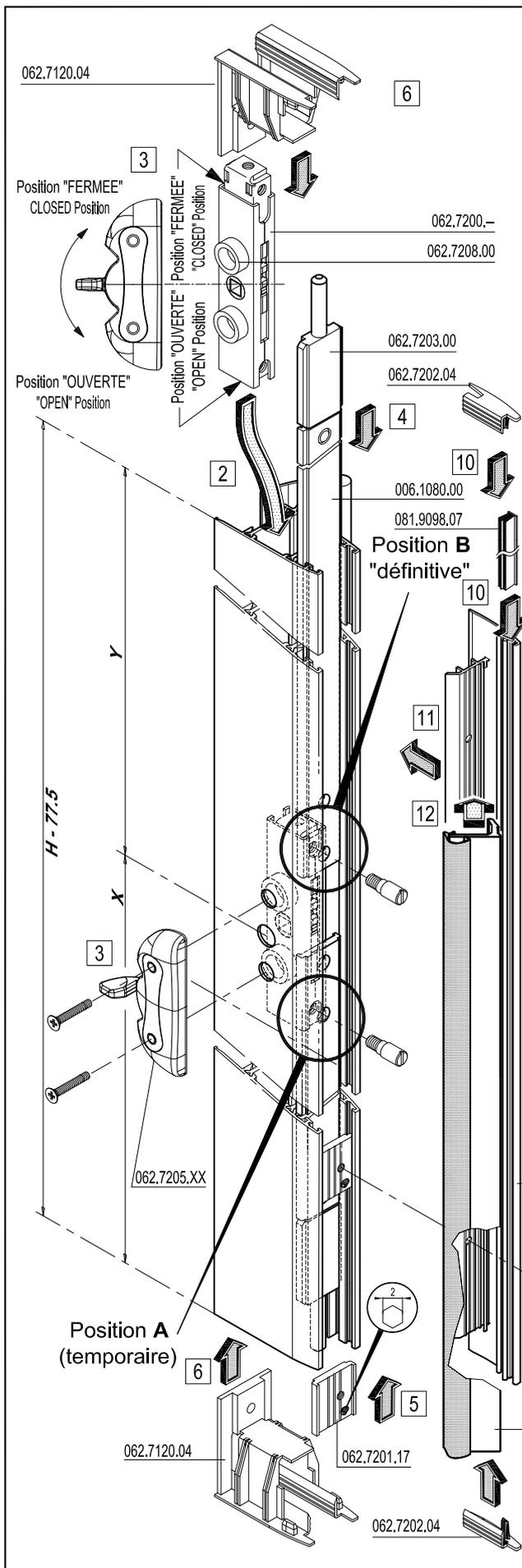


- 1 Usiner le profil pour le passage du mécanisme de fermeture.  
Positionner l'entretoise ref 062.7208.00 sur l'entraîneur ref 062.7200.-- à l'aide d'un point de colle, ainsi que le réducteur du carré.  
Machining profile in order to install lock.  
Place 062.7208.00 on 062.7200.-- by the way of a glue drop and also the square reducer.

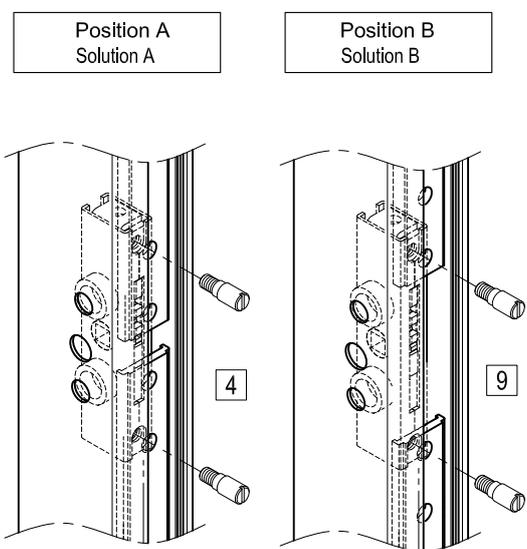
escala - échelle  
scale - Maßstab  
1/2



D1000440

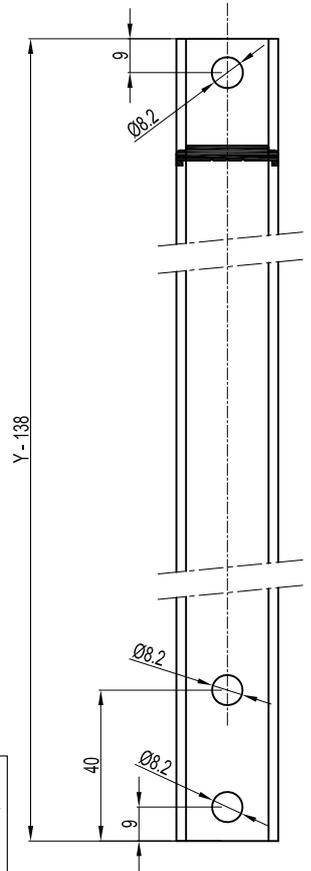
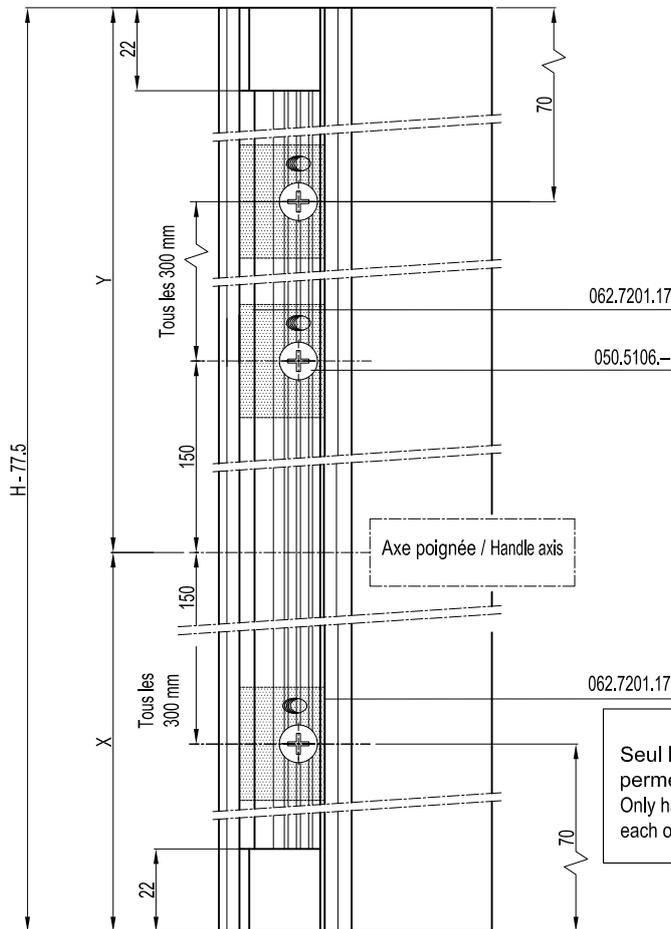


- 1 Usiner les montants (page précédente).  
Processing on side frame (see previous page)
- 2 Mettre en place le boîtier empeneur ref. 062.7203.00 dans le montant.  
Place the lock block 062.7203.00
- 3 Mettre en place la poignée en positionnant correctement le loquet par rapport au boîtier.  
Place the handle at right to lock block
- 4 Insérer les tringles avec leurs empeneurs dans le montant. Les positionner à l'aide des têtons dans la position A.  
Insert link bars to position A
- 5 Insérer les pièces ref 062.7201.17 sur le montant en respectant les dimensions, et serrer légèrement les vis pointeaux pour ne pas marquer le profilé.  
Insert pieces 062.7201.17 and screw in moderation in order to do not mark profile.
- 6 Insérer les pièces de fixation 062.7120.04.  
Insert fixation pieces 062.7120.04
- 7 Assembler les vantaux.  
Assembly vents
- 8 Engorder et régler les vantaux.  
Put vents in place on outer frame and adjust its.
- 9 Dévisser les têtons et repositionner l'ensemble tringles/empeneurs dans la position B.  
Unscrew pins and move link bars to position B.
- 10 Percer au Ø 5.5 le profilé 006.1054.XX (dimensions page suivante), puis insérer le joint brosse 081.9098.07 et les bouchons 062.7202.04 dans leur logement.  
Drill Ø 5.5 profile 006.1054.XX (dimensions see next page), insert the brushes and end pieces 062.7202.04
- 11 Fixer le profilé 006.1054.XX avec les vis 050.5106.--  
Fix profile 006.1054.XX with screws 050.5106.--
- 12 Mettre en place la parclose 011.5135.SY.  
Place glazing bead 011.5135.SY

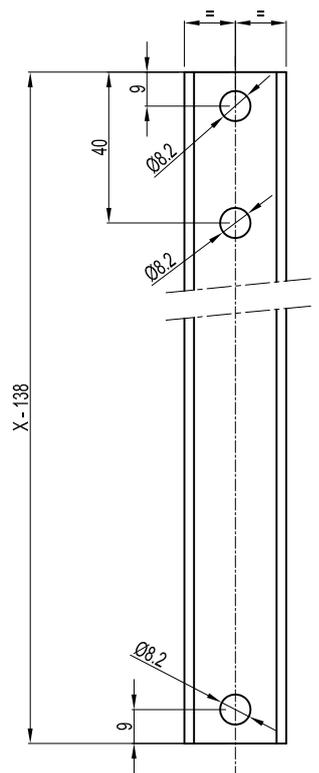
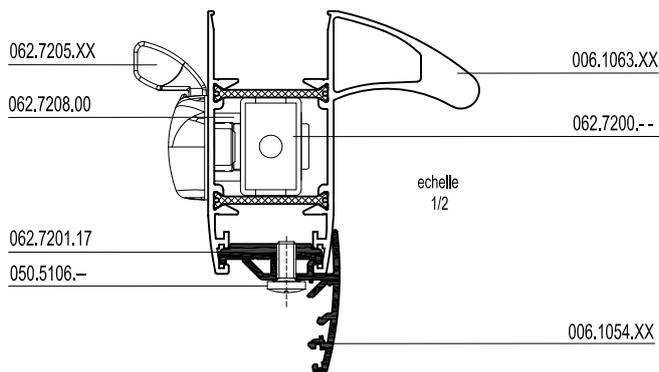


Position des perçages Ø5,5 sur profile d'angle 006.1054.XX et des entretoises 062.7201.17 sur les montants des vantaux de service  
Drill position Ø5,5 on corner profile 006.1054.XX and distances pieces 062.7201.17 on side vents

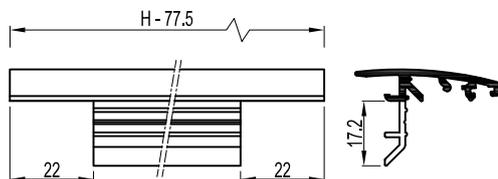
Débit et usinage des tringles ref. 006.1080.17 pour poignée 062.7205.XX  
Cutting size and process for link bars 006.1080.17 and handle 062.7205.XX



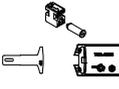
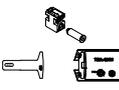
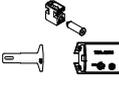
**ATTENTION!!**  
Seul l'utilisation de la poignée 062.7205.XX permet de mettre les poignées en vis-à-vis.  
Only handle 062.7205.XX allow to opposite handles each other.



USINAGE DU PROFILE D'ANGLE 006.1054.XX  
Corner profile processing 006.1054.XX



Fermeture 1 point / 1 point lock

Intérieur / Inside		Feuillure / Rebate				Extérieur / Outside	
Sans renfort Not reinforced	Avec renfort Reinforced					Sans renfort Not reinforced	
062.7106.XX 	062.7107.XX 	062.7105.--  Manuel	OU OR	062.7129.--  Automatique	+ 	+ 	062.7132.XX 
062.7106.XX 	062.7107.XX 	062.7105.--  Manuel	OU OR	062.7129.--  Automatique	+ 	+ 	062.7133.XX 
062.7106.XX  ou or 062.7110.XX  ou or 062.7108.XX 	062.7107.XX 	062.7105.-- 		+ 	+ 	062.7145.XX 	

Configuration avec renfort et multi-vantaux, voir pages 041 et 043  
Configuration with reinforcement and 4 vent connection, see pages 041 et 043

escala - échelle  
scale - Maßstab  
1/2



D1000437

### Fermeture 1 point / 1 point lock

Intérieur / Inside		Feuilleure / Rebate			Extérieur / Outside
Sans renfort Not reinforced					Sans renfort Not reinforced
062.7110.XX 	062.7108.XX 	062.7105.-- 	062.7112.-- 	062.7126.-- 	062.7132.XX 
ou or		+			
062.7110.XX 	062.7108.XX 	062.7105.-- 	062.7112.-- 	062.7126.-- 	062.7133.XX 
ou or		+			

### Fermeture 3 points / 3 point lock

HV min = 1200mm

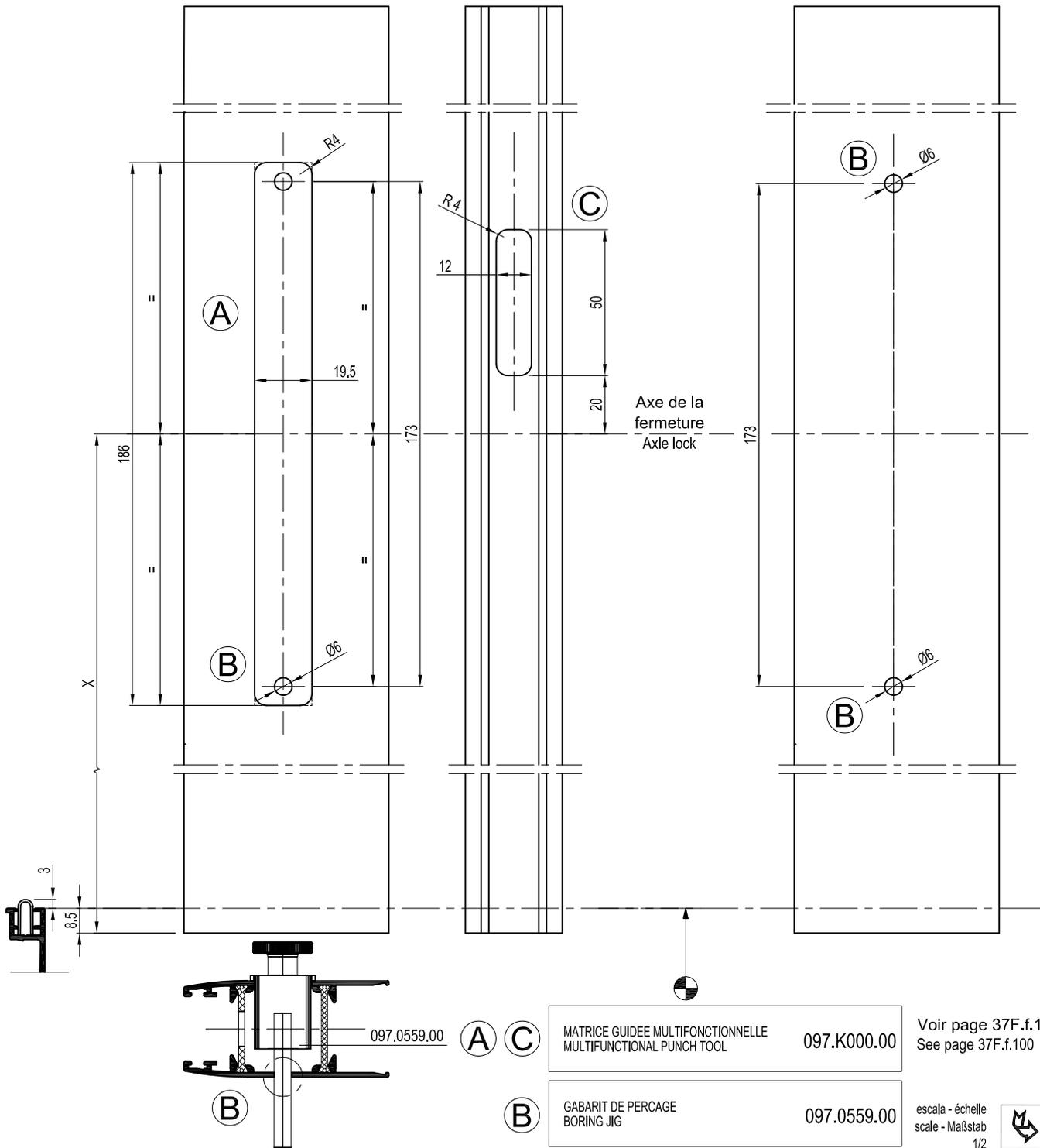
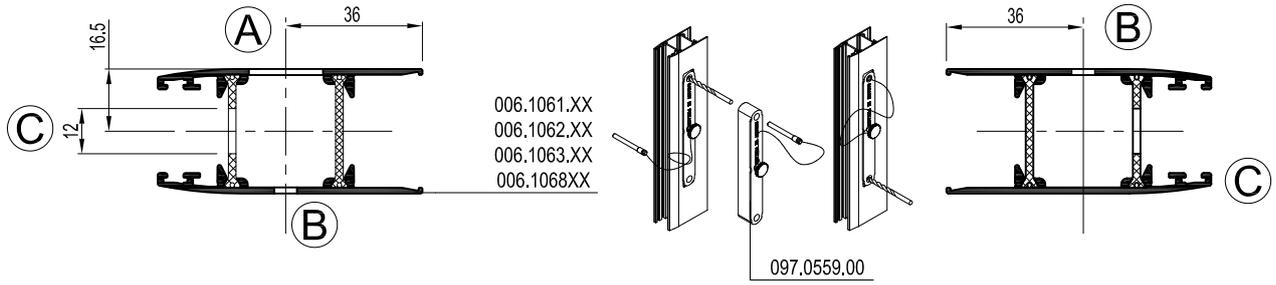
Intérieur / Inside		Feuilleure / Rebate				Extérieur / Outside
Sans renfort Not reinforced	Avec renfort Reinforced					Sans renfort Not reinforced
062.7106.XX 	062.7107.XX 	062.7105.-- 	062.7112.-- 	062.7113.-- 	062.7126.-- 	062.7132.XX 
ou or		+				
062.7110.XX 						062.7133.XX 
ou or						
062.7108.XX 						062.7145.XX 
ou or						

HV = Vent height  
HV = Hauteur vantail

escala - échelle  
scale - Maßstab  
1/2



OUVERTURE INTERIEURE  
INSIDE OPENING

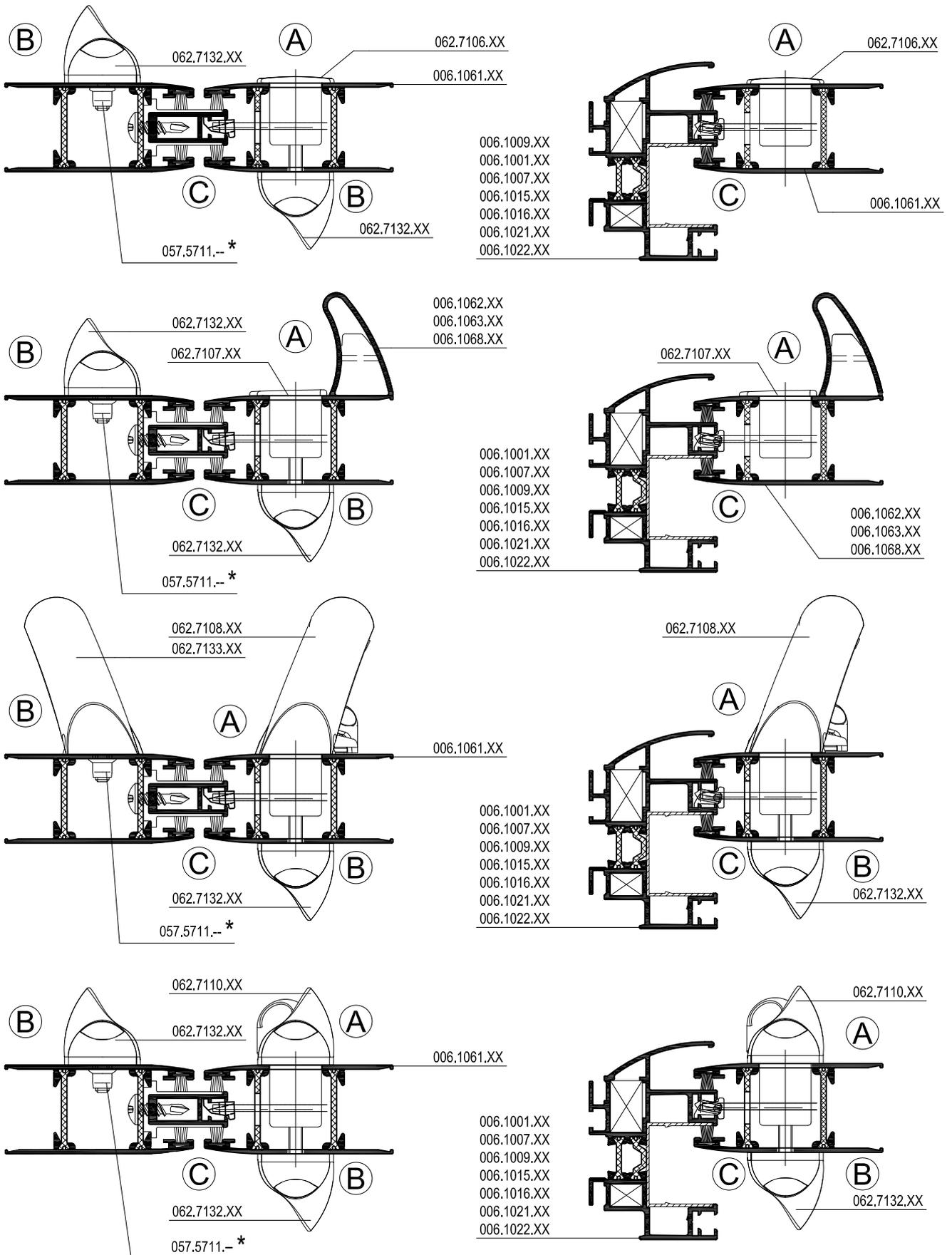


Voir page 37F.f.100  
See page 37F.f.100

escala - échelle  
scale - Maßstab  
1/2



D1000438

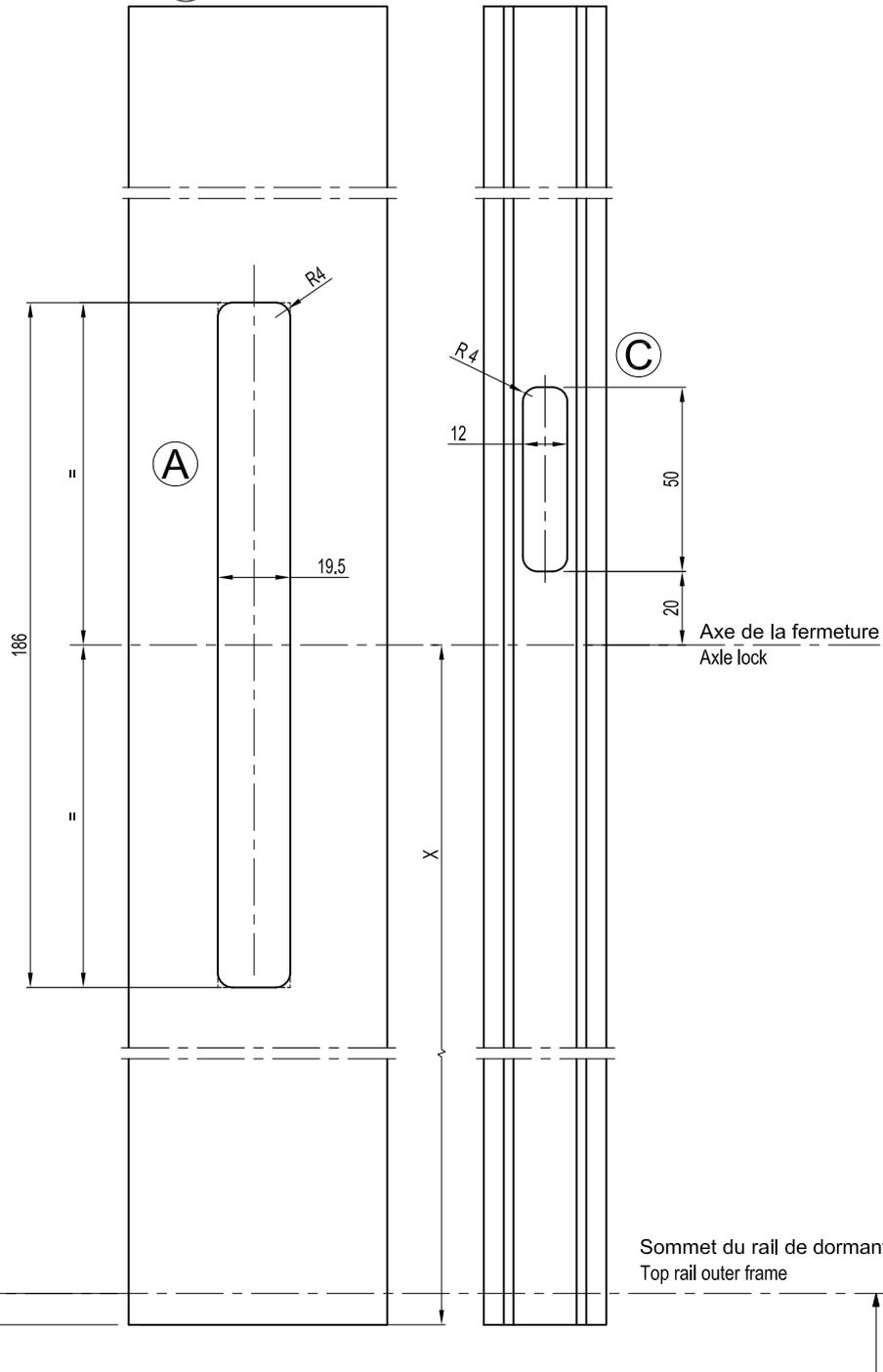
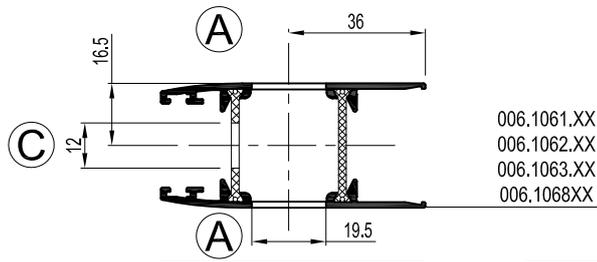


\* La mise en place du riveklé nécessite d'agrandir  $\varnothing 6$  à  $\varnothing 7$  et de fraiser à  $90^\circ$  le trou  
Drill from  $\varnothing 6$  to  $\varnothing 7$  and chamfer in order to insert rivet nut

escala - échelle  
scale - Maßstab  
1/2



OUVERTURE INTERIEURE / EXTERIEURE  
INSIDE / OUTSIDE OPENING



A C

MATRICE GUIDEE MULTIFONCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL

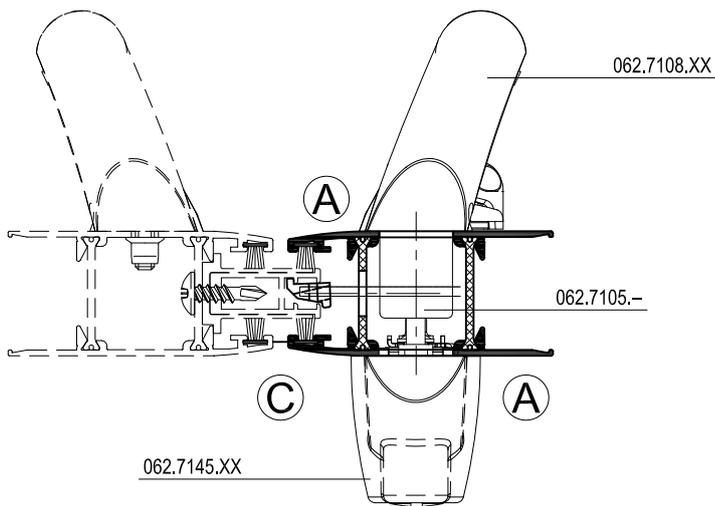
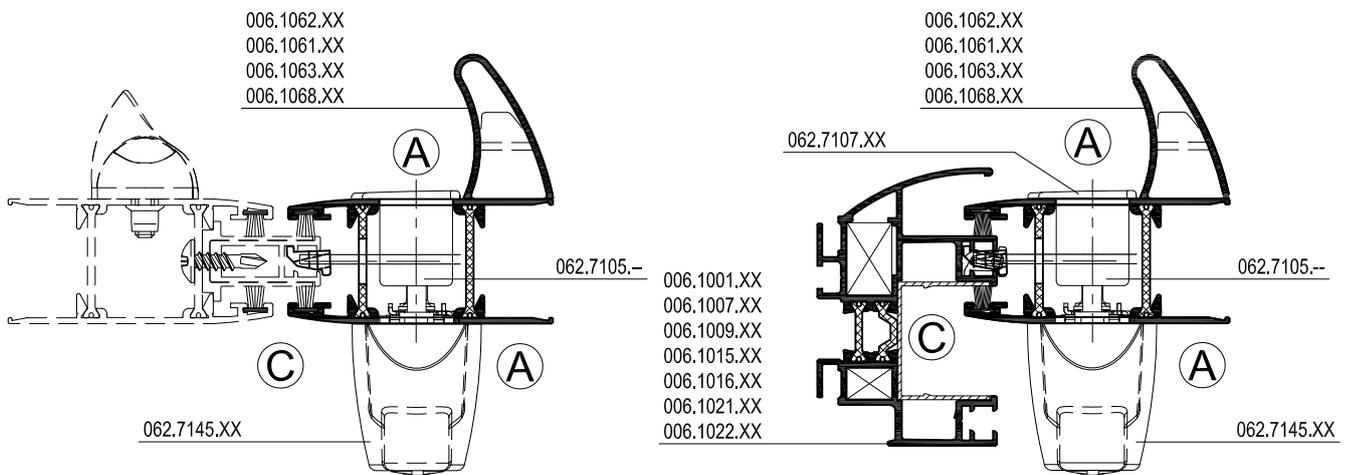
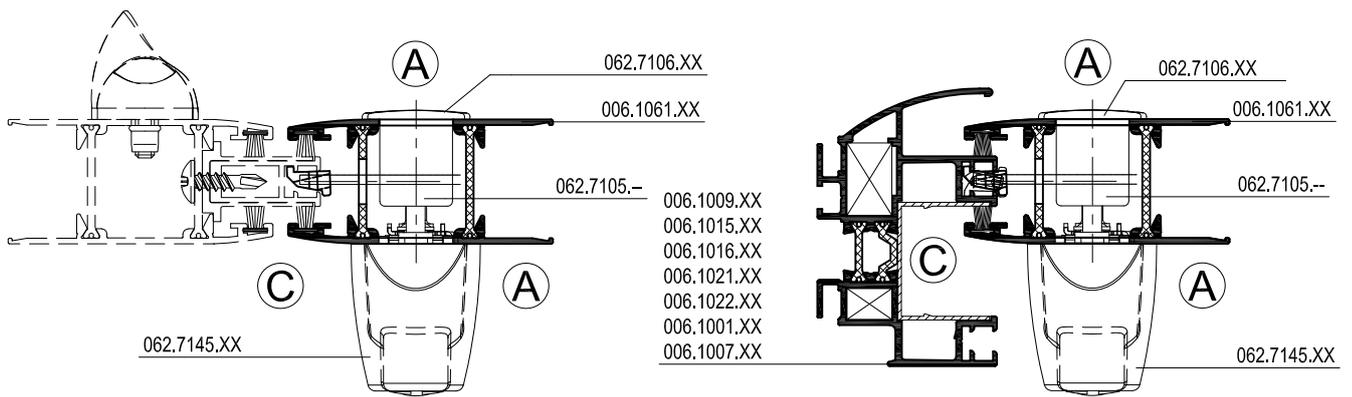
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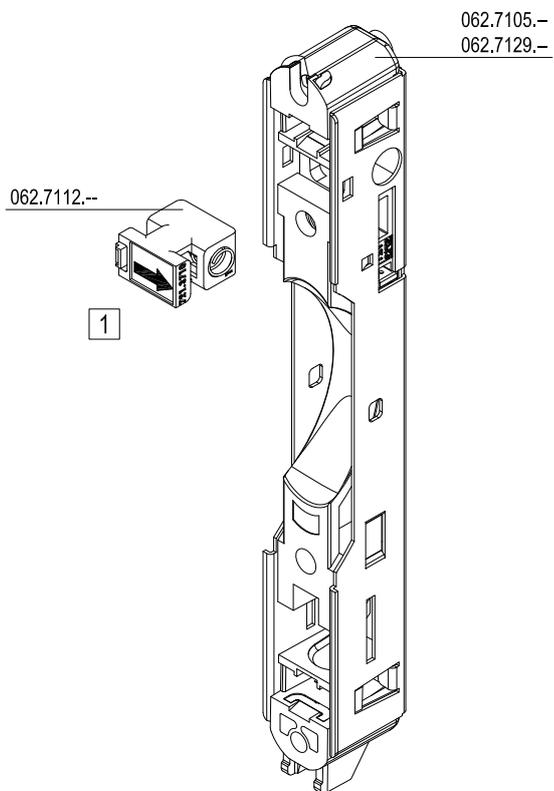


escala - échelle  
scale - Maßstab  
1/2



D1000439

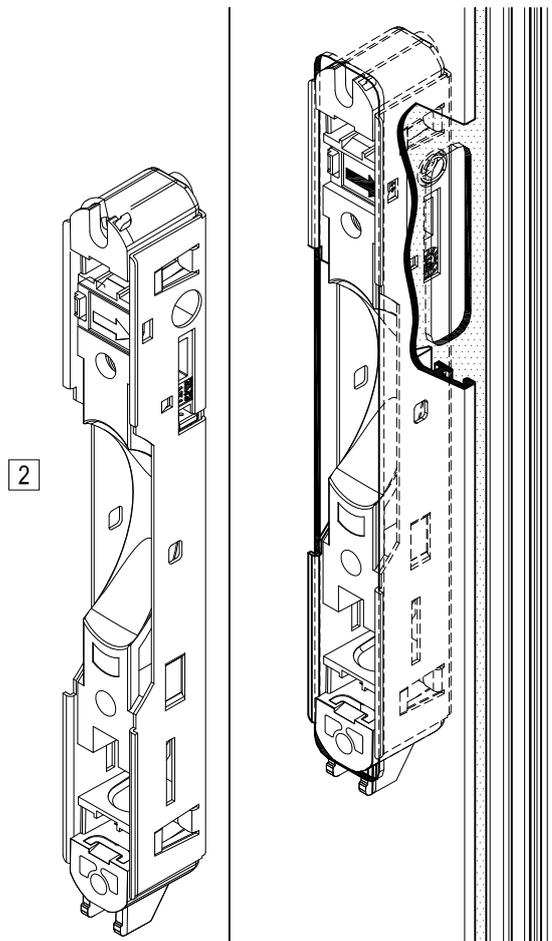




1

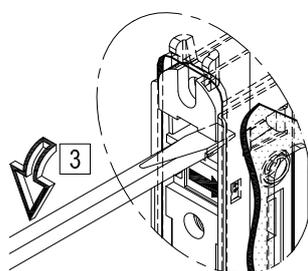
Placer le coulisseau en position basse (ouverte) et mettre en place le boîtier anti-fausse manoeuvre "Flèche côté pêne"

Put locking mechanism in low position (open position) and insert the safety block "Arrow side bolt"



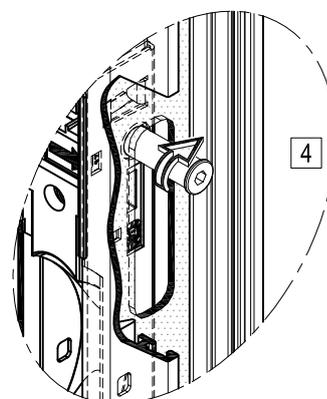
2

Incliner et engager le bloc serrure par le bas (côté fourchette sortie), puis rabattre celui-ci jusqu'à encastrement complet.  
Insert the lock block below (side tab out)



3

Engager la fourchette haute à l'aide d'un tournevis plat  
Move the tab up with flat screwdriver



4

Visser le palpeur anti-fausse manoeuvre  
Tighten the safety pin

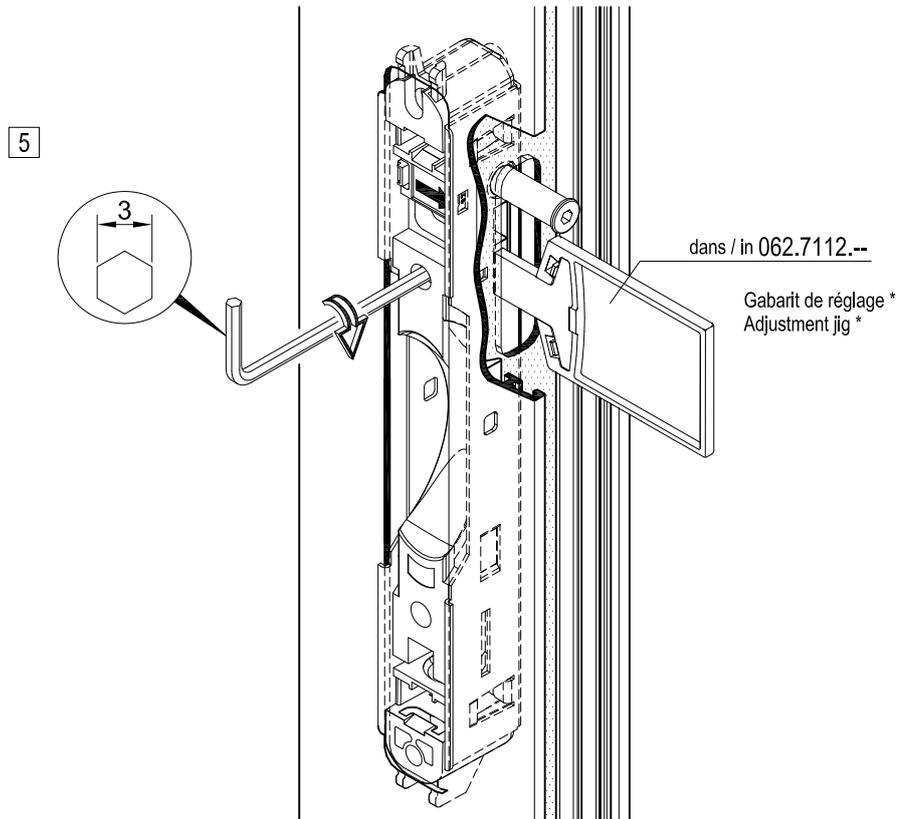
L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1 2 3 .

escala - échelle  
scale - Maßstab  
1/2

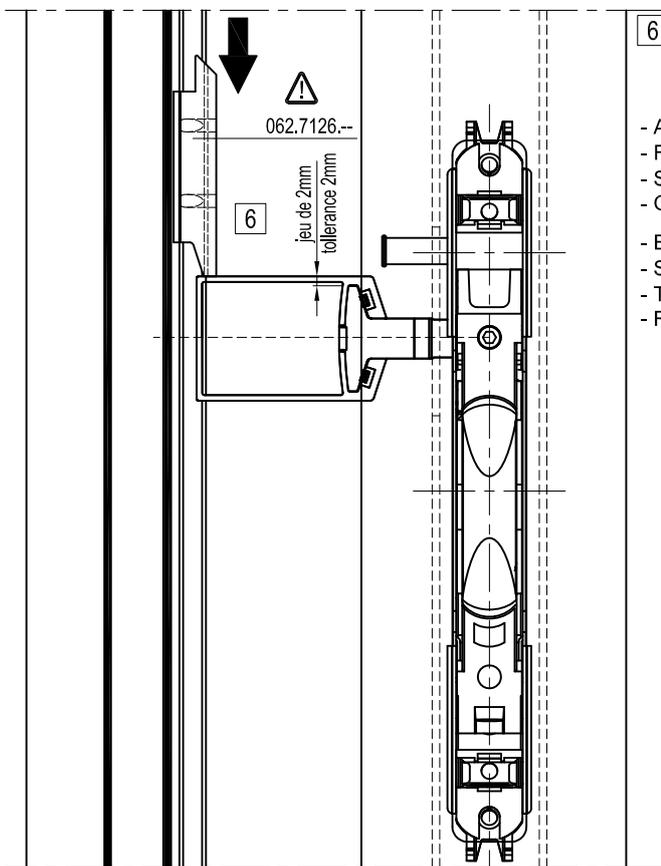


D1000441



5

Après avoir réglé le vantail sur le dormant, engager le pêne et serrer à l'aide d'une clé (6 pans de 3 mm).  
Mettre le coulisseau en position basse (ouverte)  
Insert the pen and tighten (socket head wrench 3mm)  
Put the locking mechanism in low position (open position)

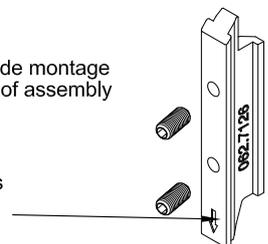


6

- A effectuer sur chantier après le réglage des galets
- Faire glisser la gâche au contact du gabarit.
- Serrer la gâche.
- Oter le gabarit du pêne
- Execute in side after the adjustment roller
- Slide the receiver up against the jig.
- Tighten the receiver
- Remove the jig from the pen

⚠ Attention au sens de montage  
Warning direction of assembly

Flèche vers le bas  
Arrow down



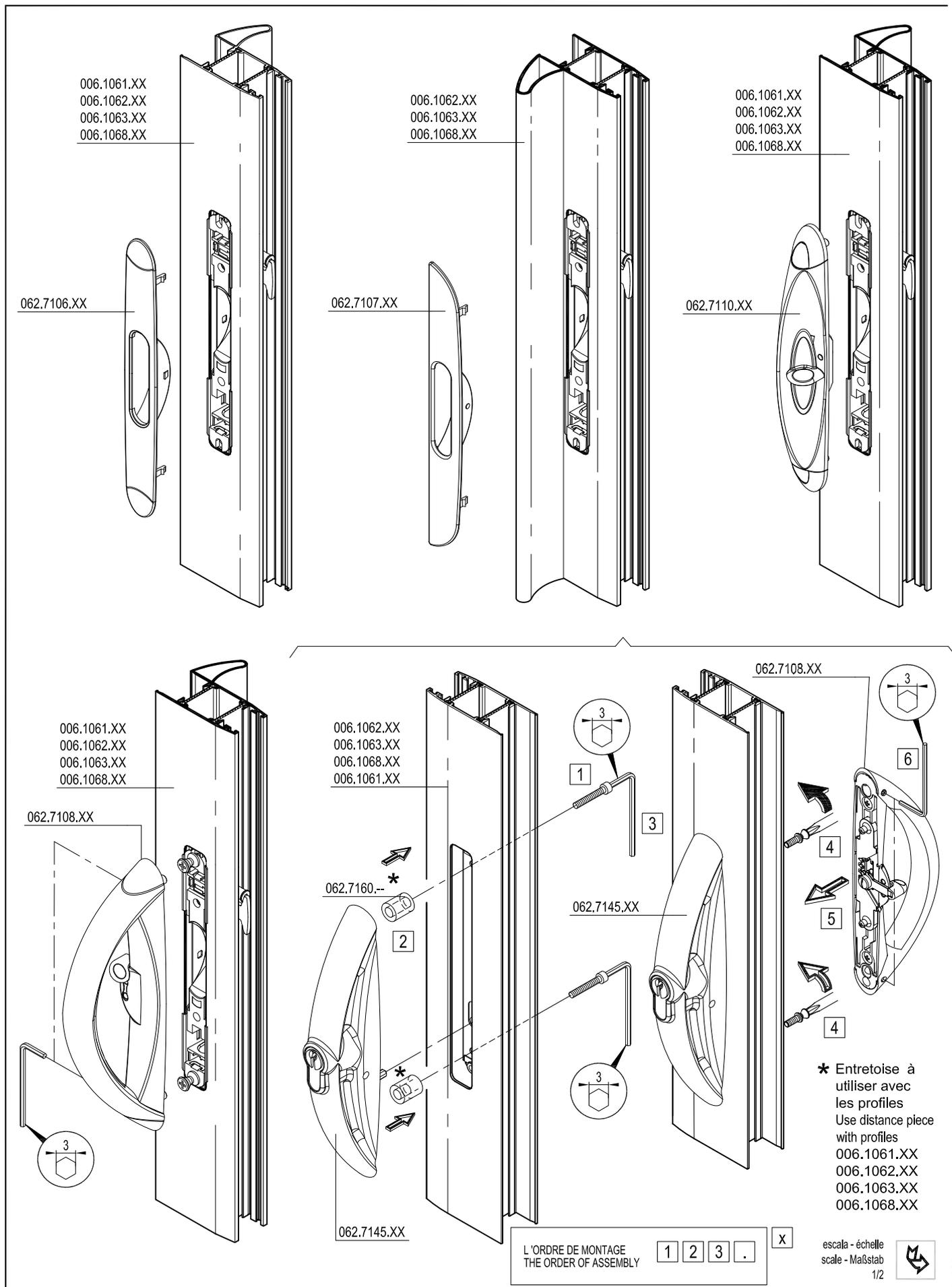
\* Ne pas ôter le gabarit du pêne, car il permet le réglage de la gâche sur le chantier

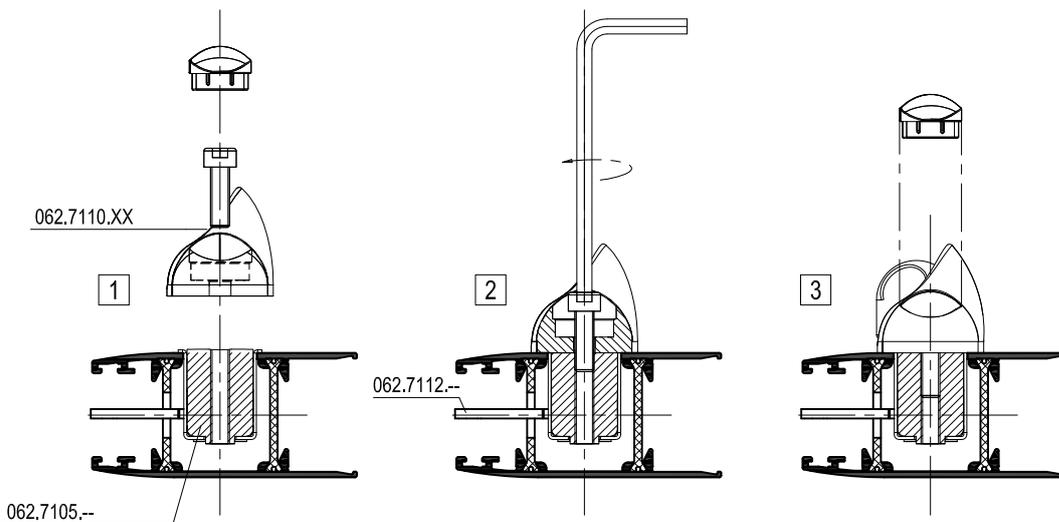
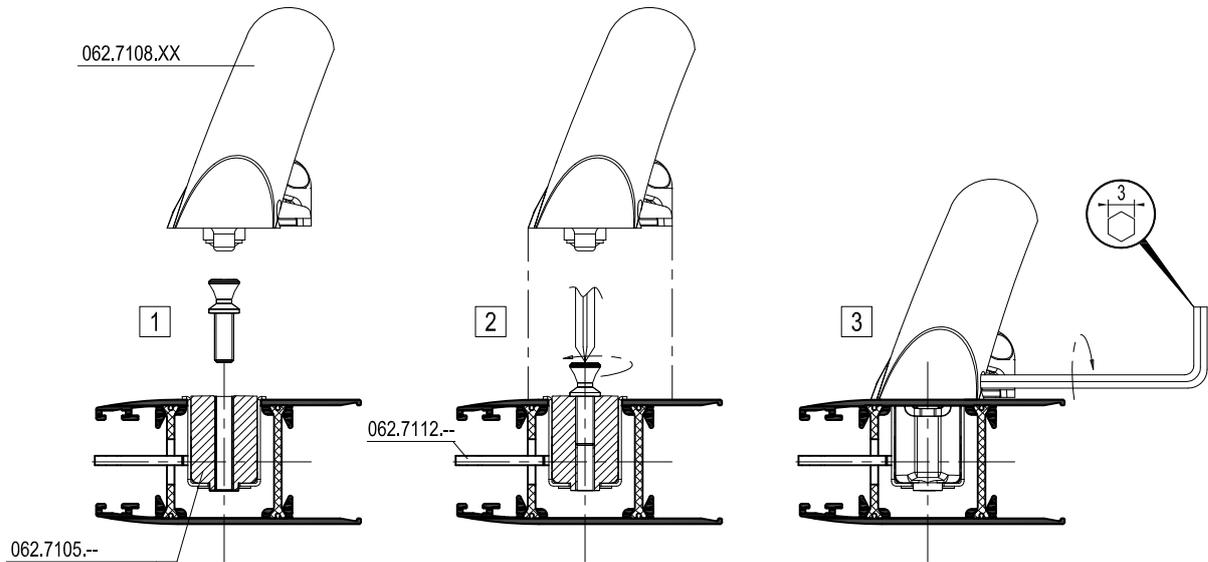
\* Do not remove the jig from the pen, as it will be needed when adjusting the receiver on the construction site

escala - échelle  
scale - Maßstab  
1/2



D1000441





Couple de serrage maxi 3Nm  
Moment of force max. 3Nm

Après montage vérifier le bon fonctionnement de l'ensemble  
After assembly check that it works properly

ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
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Usinages voir page 37F.f.032-033  
Processing see page 37F.f.032-033

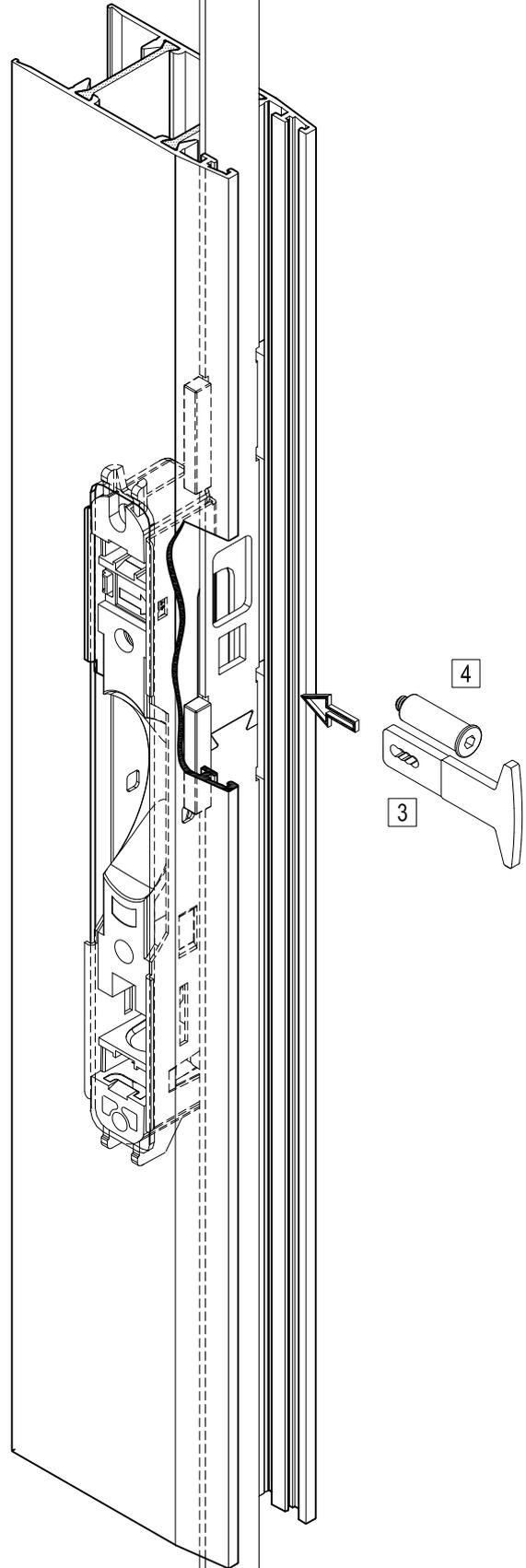
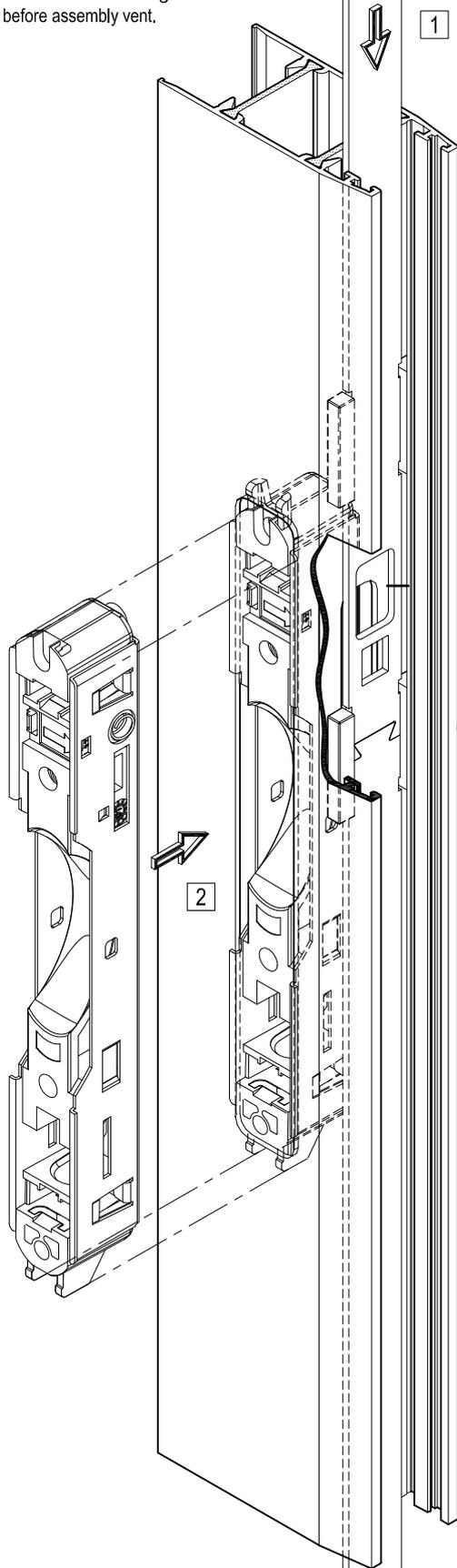
escala - échelle  
scale - Maßstab  
1/2



062.7113.--

062.7113.--

⚠ Insérer avant assemblage du vantail  
Insert before assembly vent.



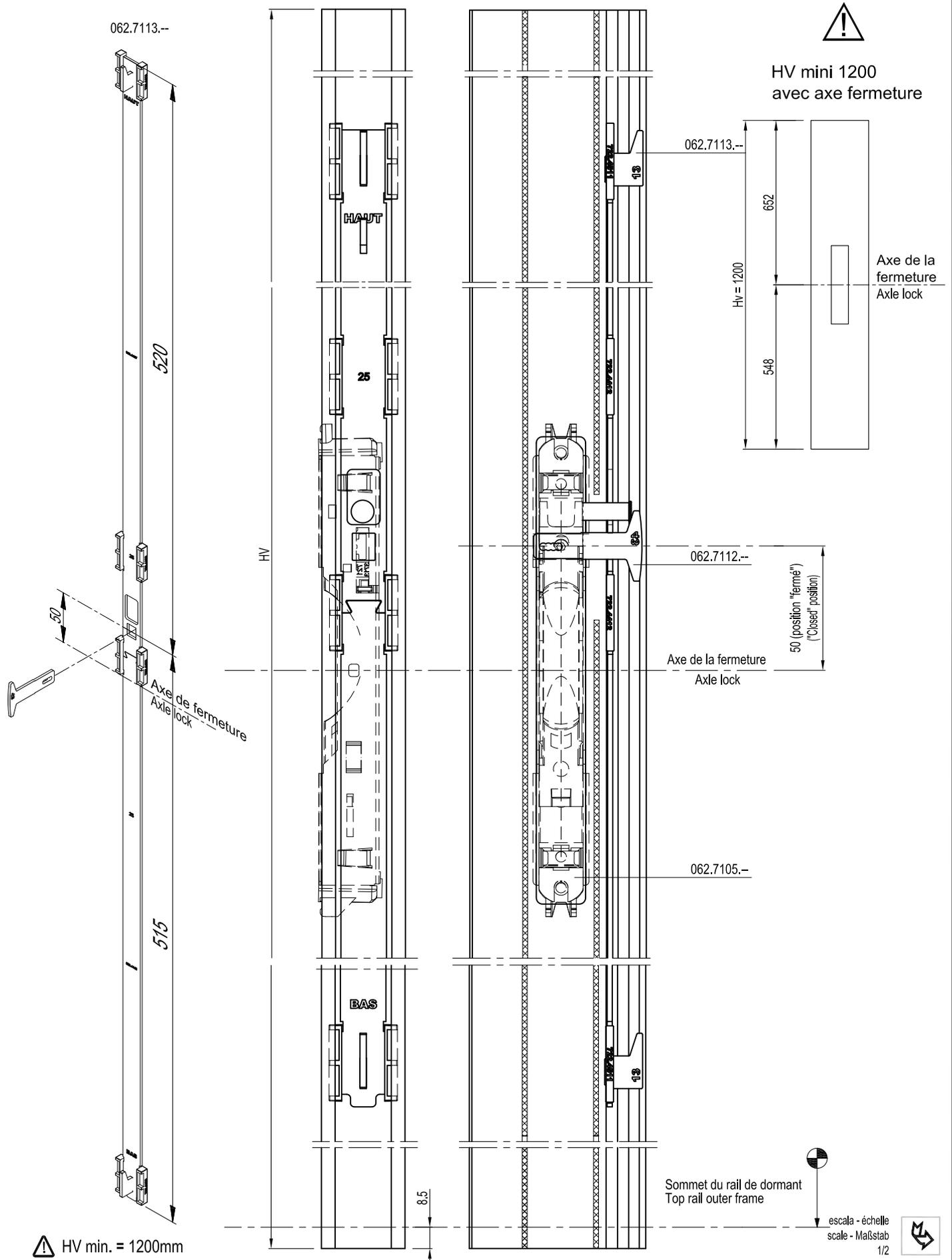
L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

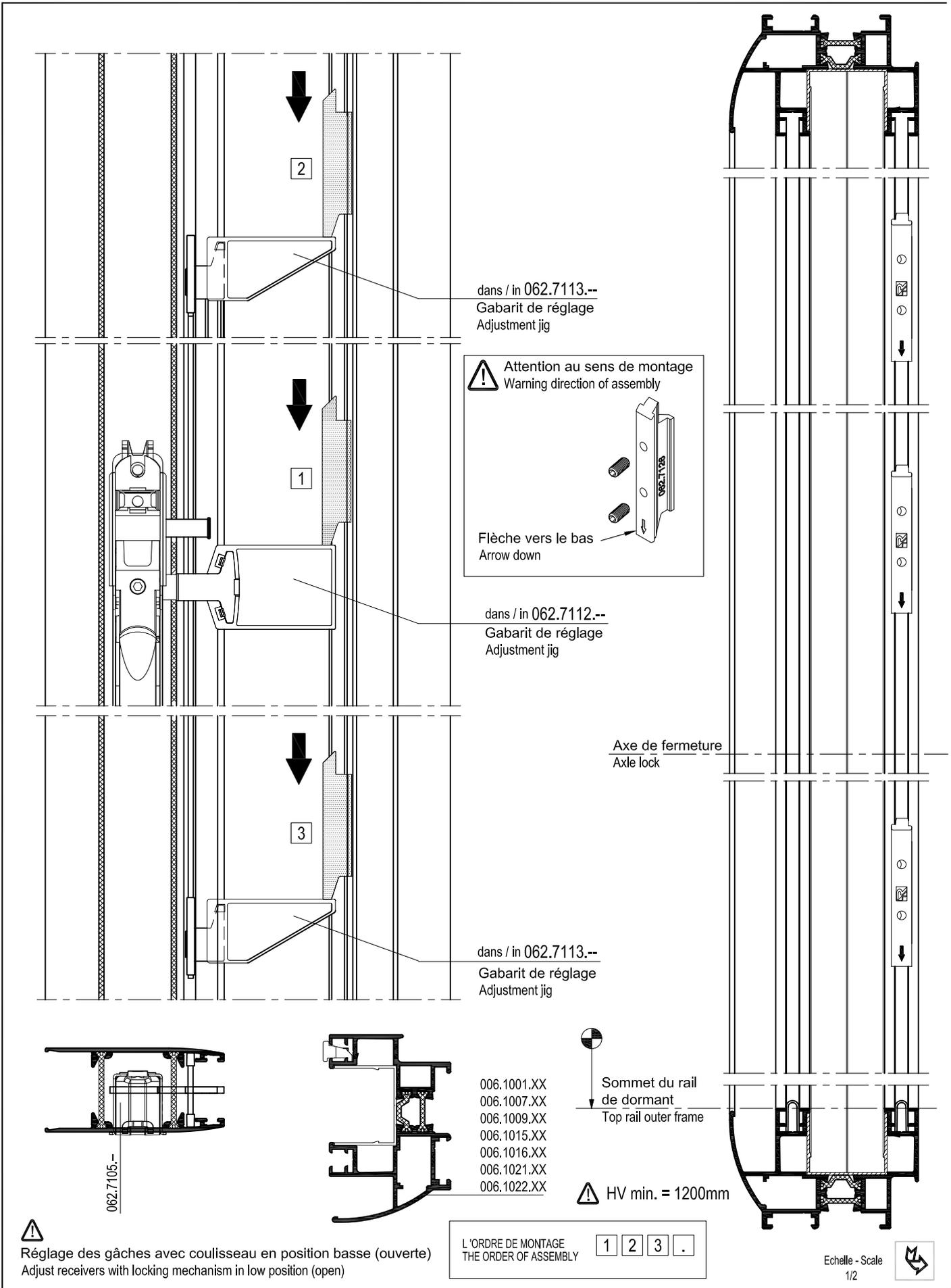
- |   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | . |
|---|---|---|---|

escala - échelle  
scale - Maßstab  
1/2

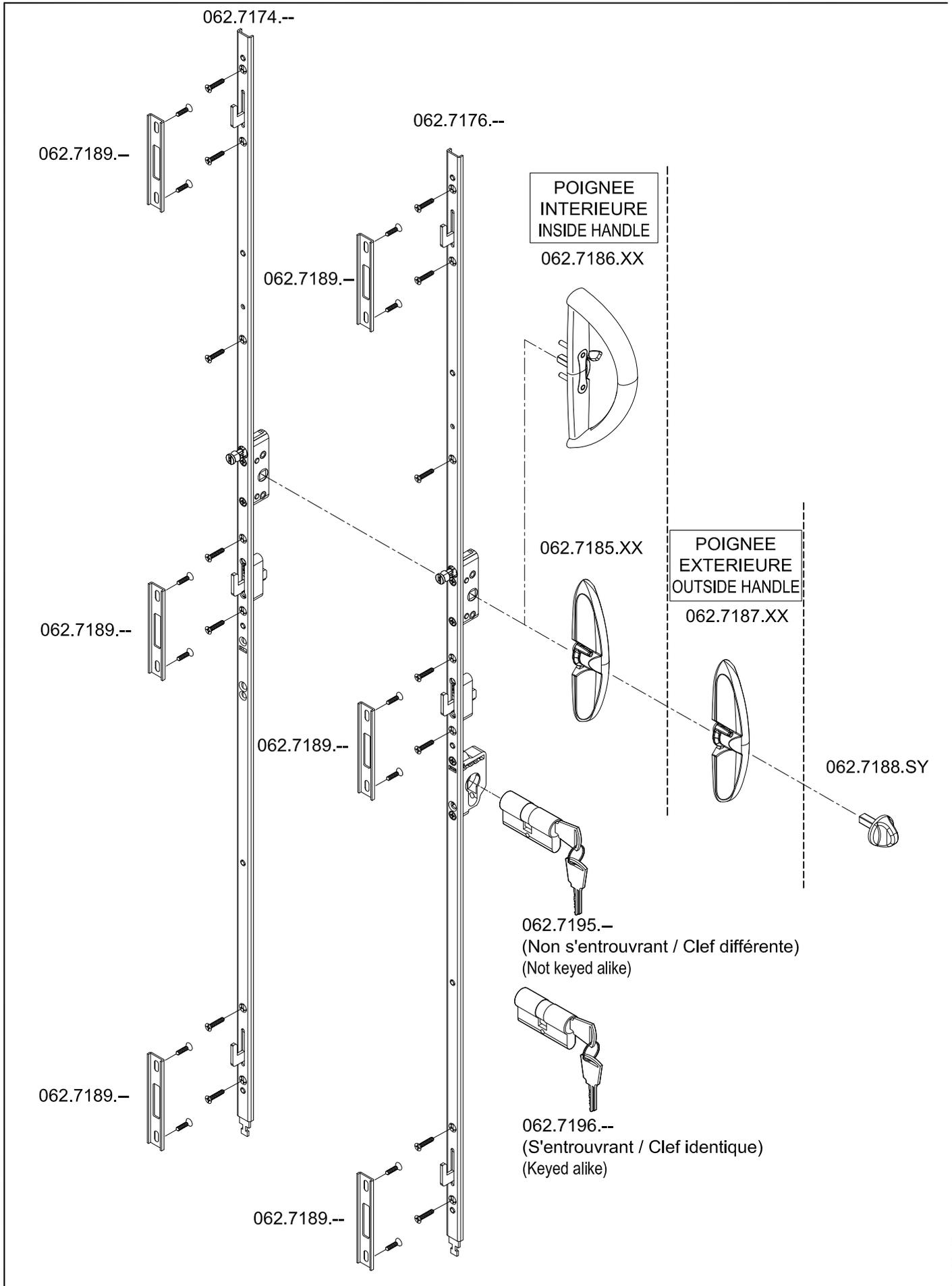


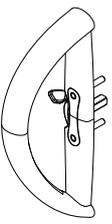
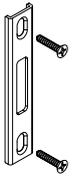
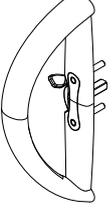
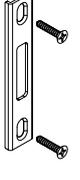
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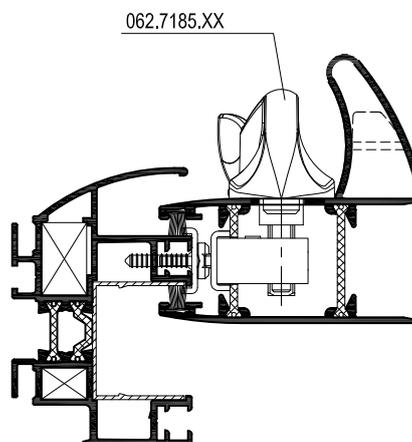
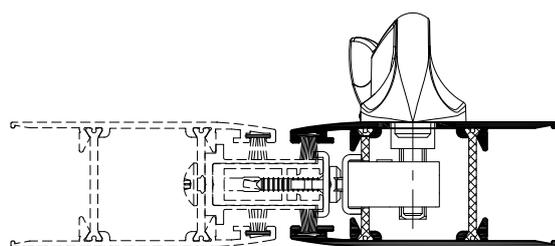
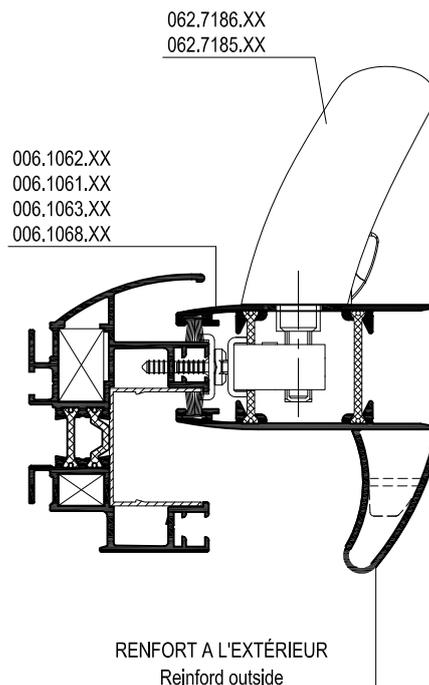
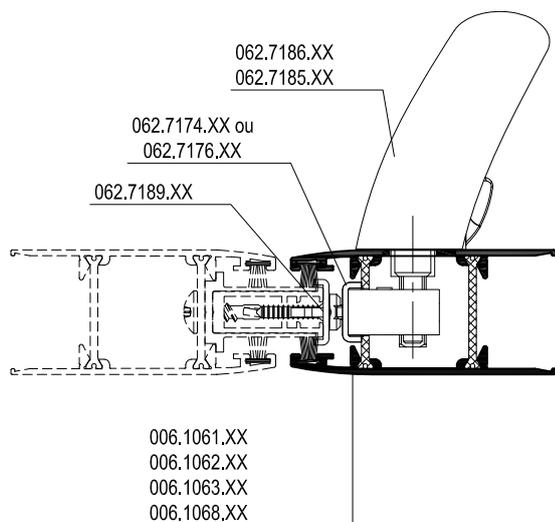








Intérieur / Inside		Feuillure / Rebate	Extérieur / Outside	
Sans renfort Not reinforced	Avec renfort Reinforced		Sans renfort Not reinforced	Avec renfort Reinforced
<p>062.7186.XX</p>  <p>062.7185.XX</p> 	<p>062.7185.XX</p> 	<p>062.7174.- SANS CYLINDRE without cylinder</p>  <p>062.7189.-</p>  <p>3 x</p>		
<p>062.7186.XX</p>  <p>062.7185.XX</p> 		<p>062.7176.- AVEC CYLINDRE with cylinder</p>  <p>062.7189.-</p>  <p>3 x</p> <p>062.7195.- ou 062.7196.-</p> 	<p>062.7187.XX</p> 	

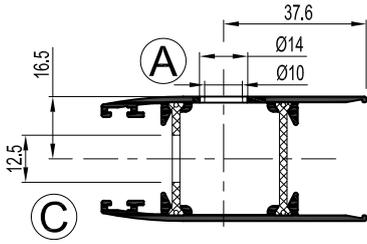


Ne pas utiliser les montants renforcés avec la serrure et 061.7176.-- qui est avec cylindre.  
Do not use reinforced vent profiles with lock 061.7176.-- because of incompatibility with cylinder.

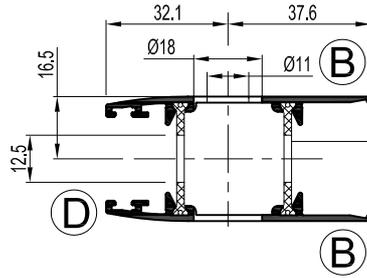
échelle  
scale  
1/2



D1000446



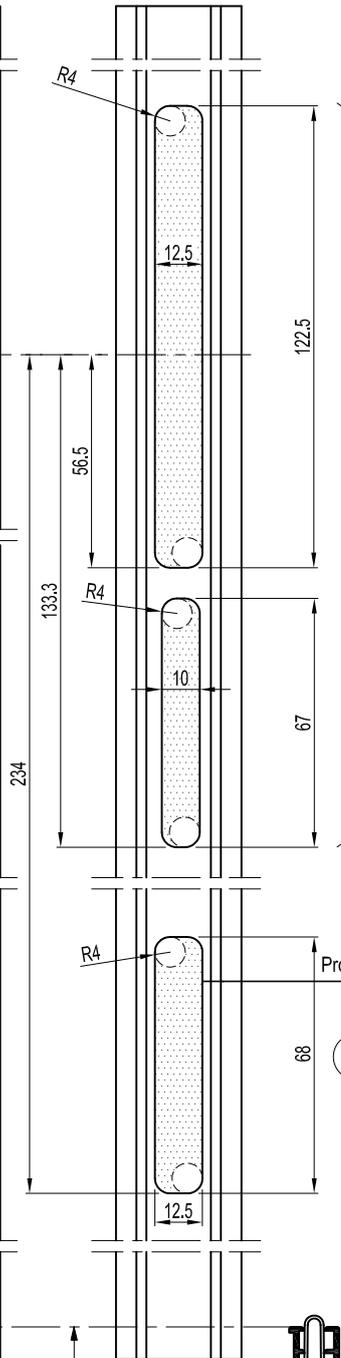
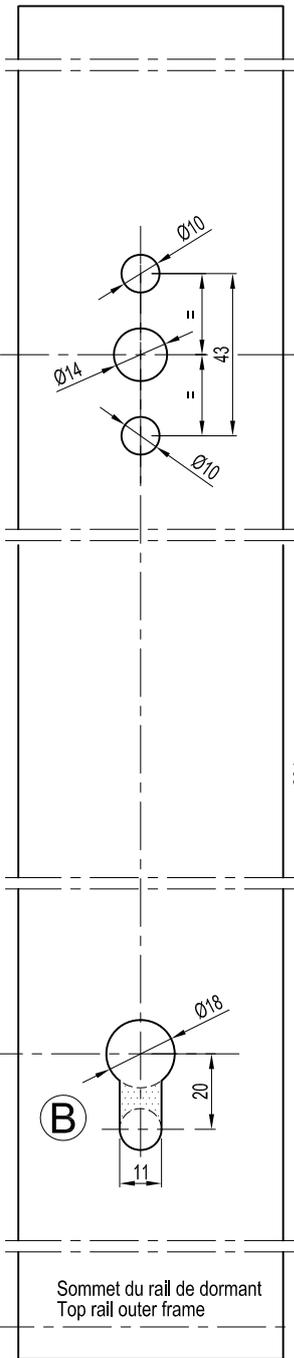
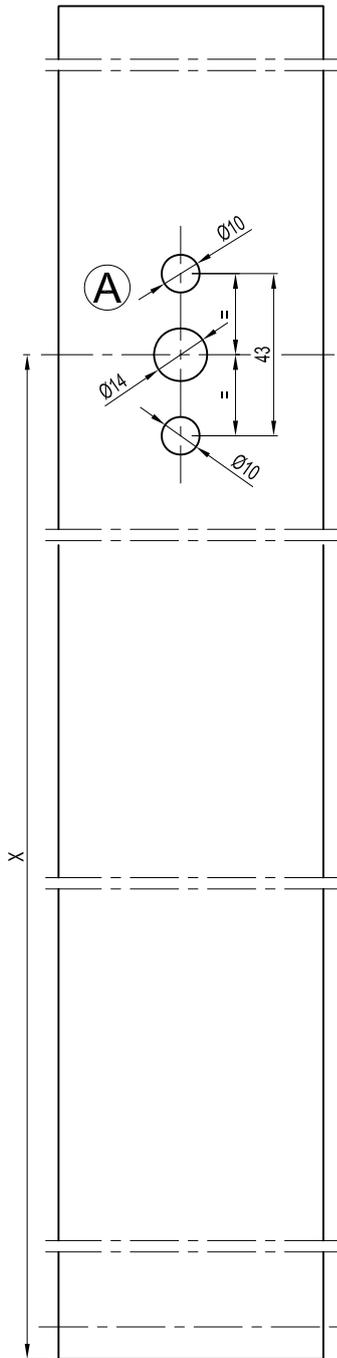
Fermeture + poignée  
Lock + handle



Fermeture + cylindre européen + poignée  
Lock + european cylinder + handle

ATTENTION: USINAGE DES DEUX BARRETTES  
POUR LE COFFRE DU CYLINDRE  
CAUTION: Machining the two strips in case of cylinder lock case.

006.1061.XX



**C** DANS TOUS  
LES CAS.  
In all cases

USINAGE SEULEMENT SI  
SERRURE AVEC CYLINDRE  
Process only in case of lock with cylinder

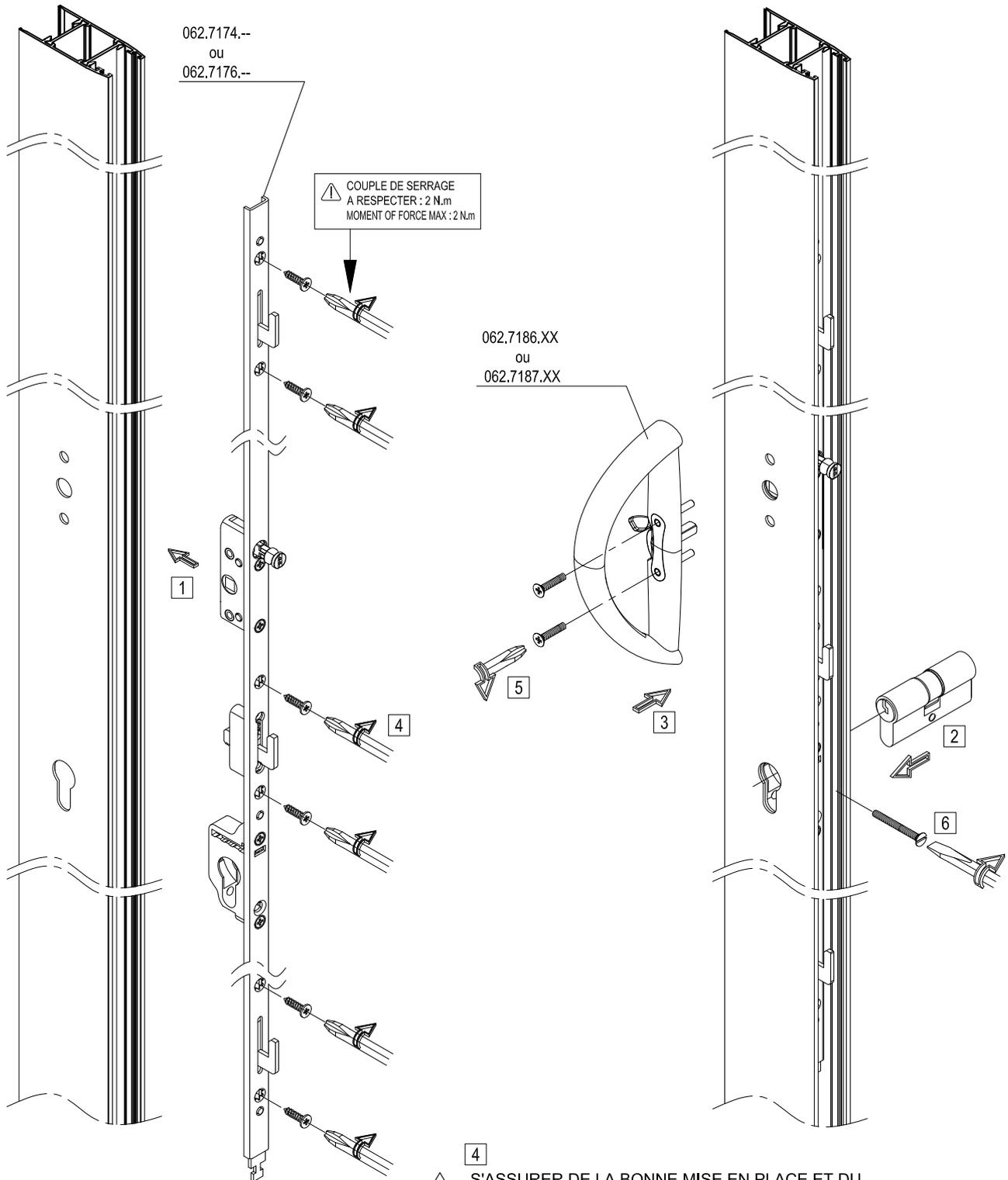
**A B C D**

GABARIT DE PERÇAGE  
BORING JIG 097.0759.00

Surface à usiner  
Machining range



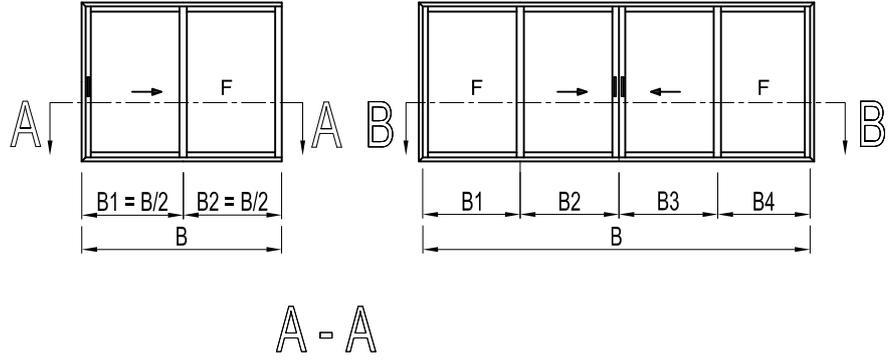
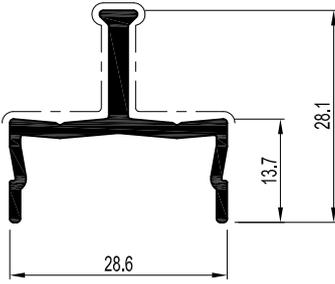
D1000446



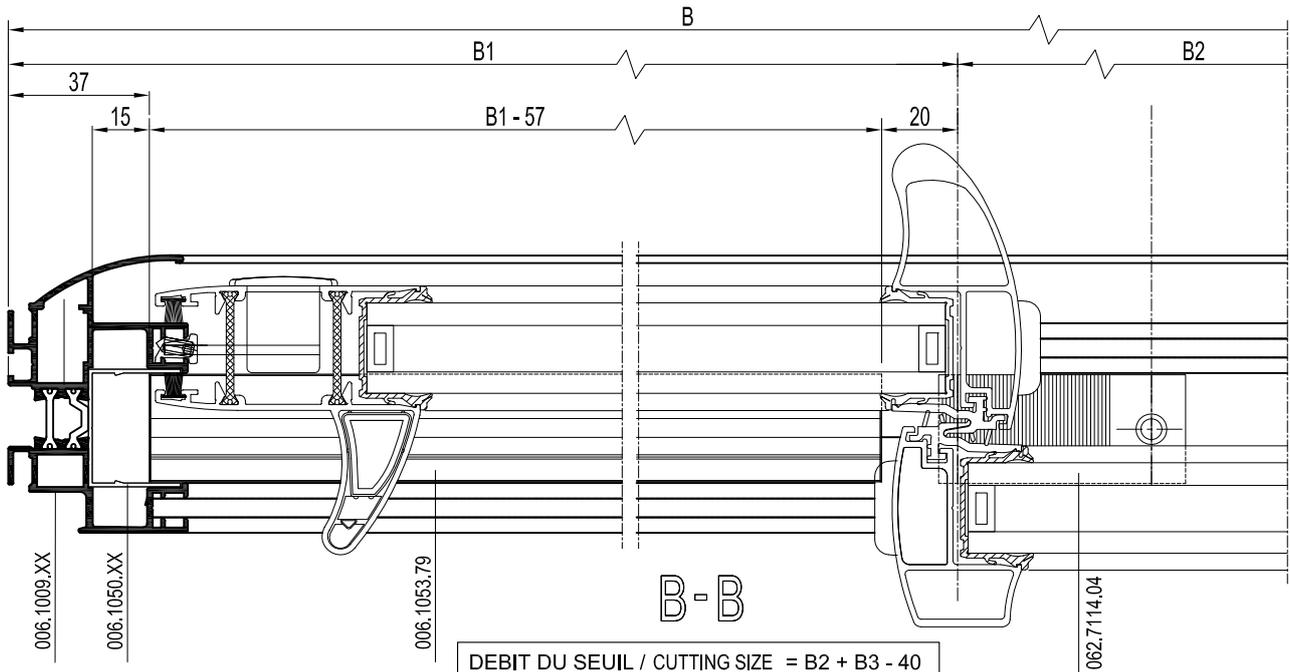
**4**  S'ASSURER DE LA BONNE MISE EN PLACE ET DU BON FONCTIONNEMENT AVANT LE VISSAGE .  
PUT IN PLACE AND CHECK THE GOOD WORKING ORDER OF THE LOCK BEFORE SCREWING.



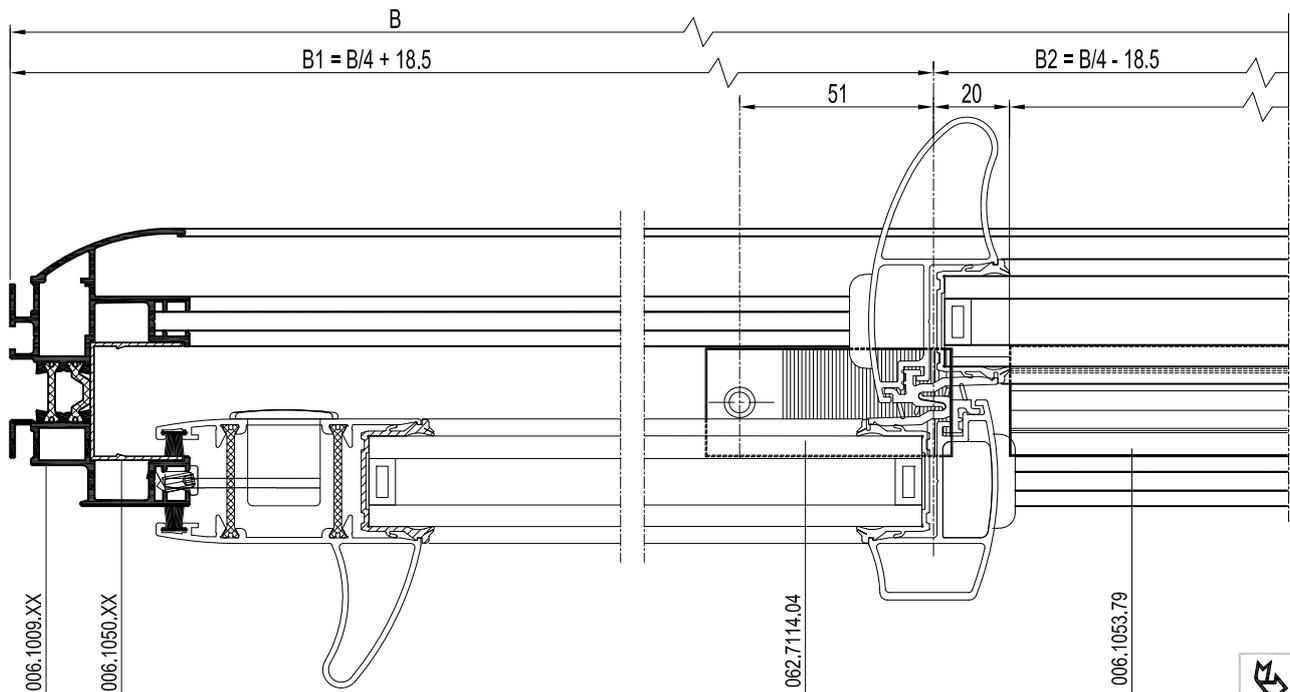
006.1053.79



DEBIT DU SEUIL / CUTTING SIZE = 006.1053.79 = B1 - 57

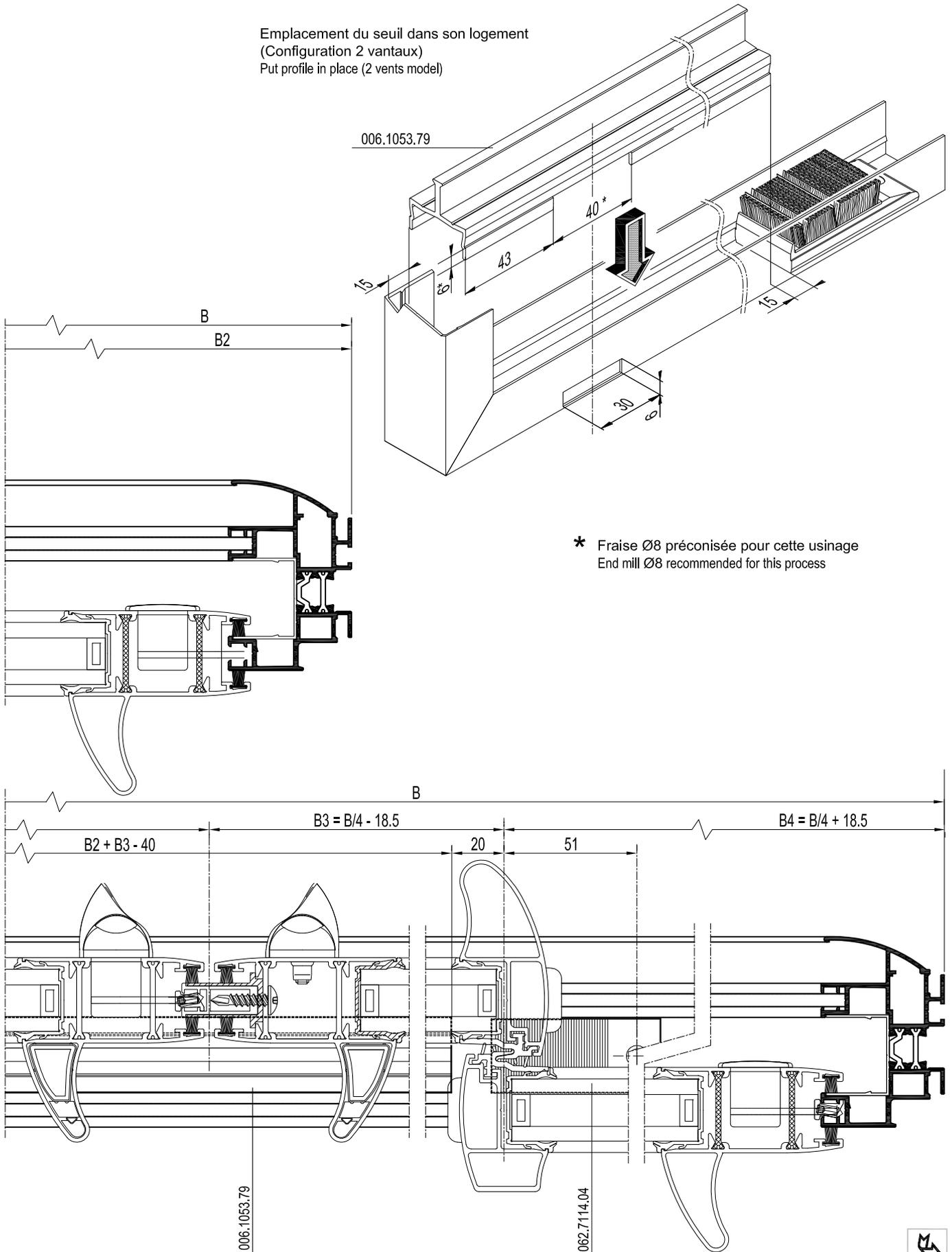


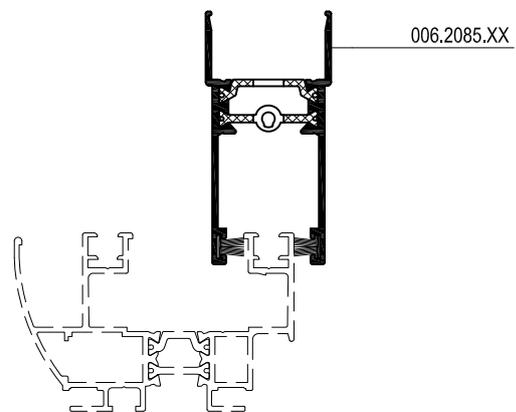
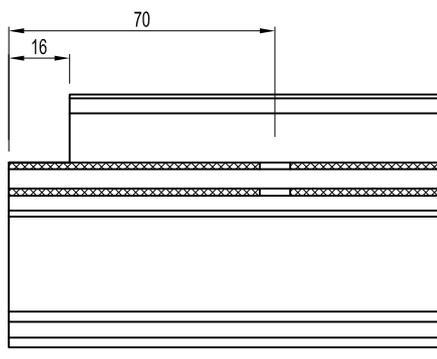
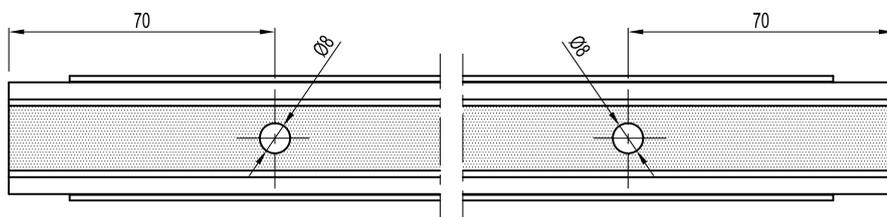
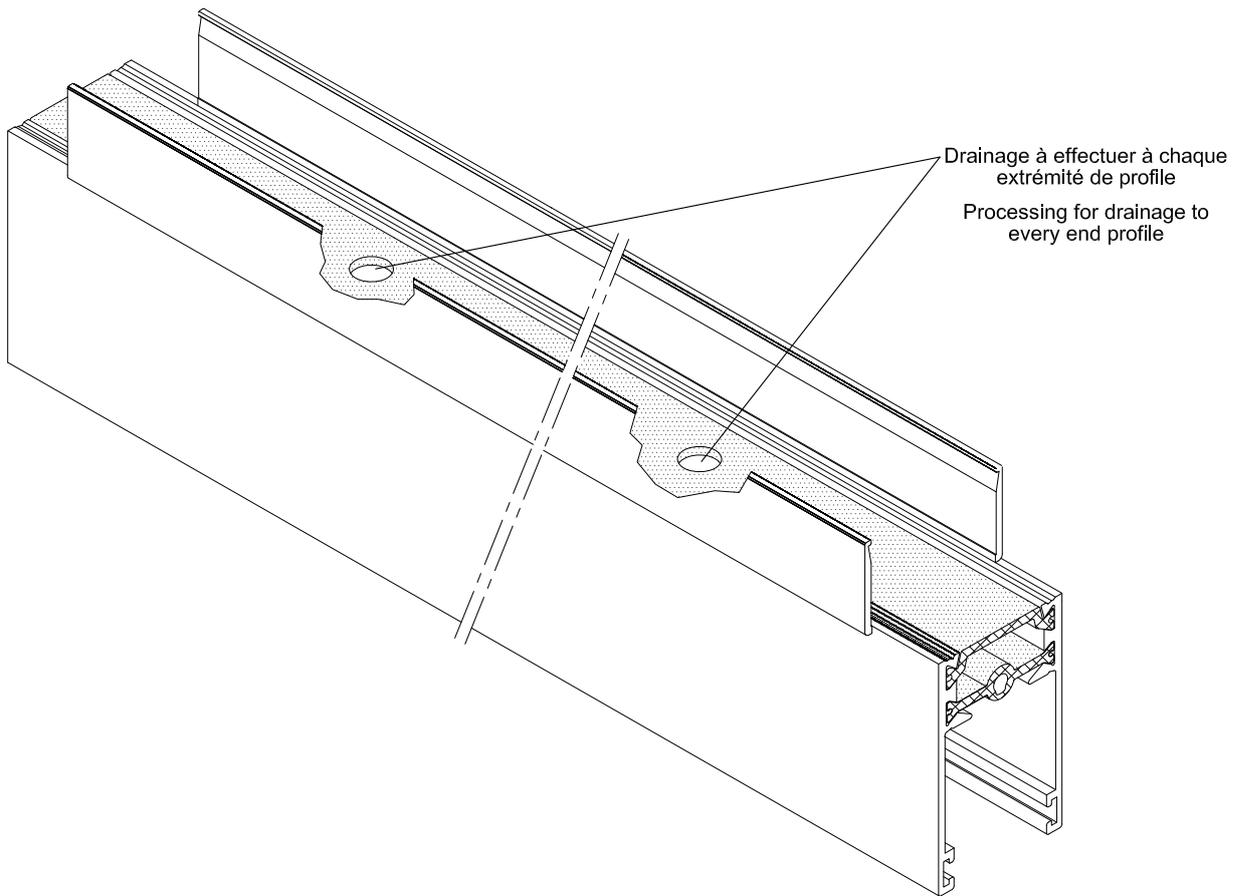
DEBIT DU SEUIL / CUTTING SIZE = B2 + B3 - 40



D1000448

Emplacement du seuil dans son logement  
 (Configuration 2 vantaux)  
 Put profile in place (2 vents model)



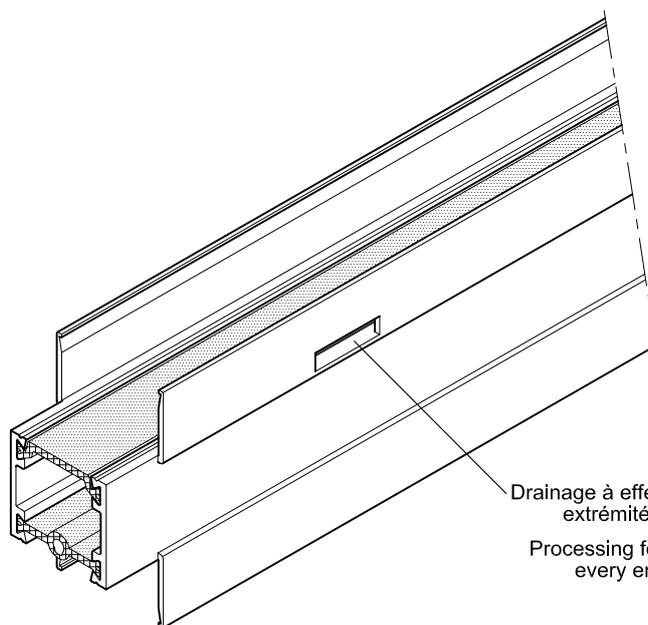


MATRICE GUIDÉE MULTIFONCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL 097.J800.00

escala - échelle  
scale - Maßstab  
1/2

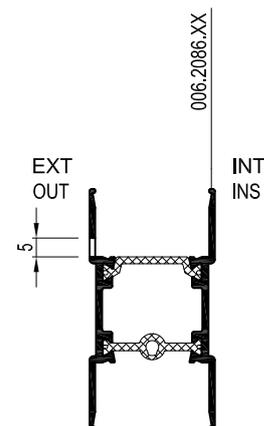
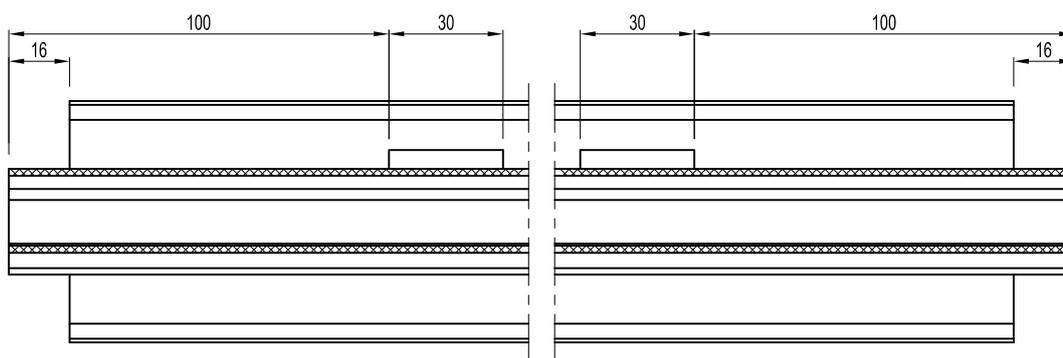


D1000449



Drainage à effectuer à chaque  
extrémité de profile  
Processing for drainage to  
every end profile

TRAVERSE INTERMEDIAIRE  
TRANSOM

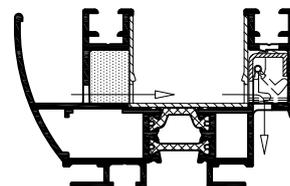
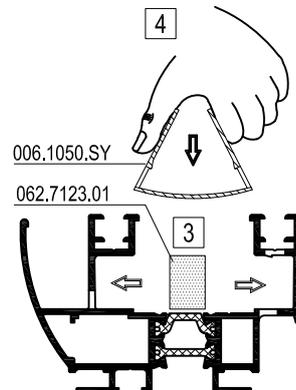
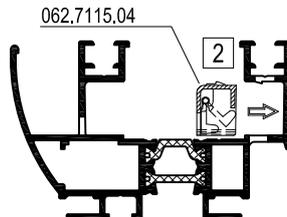
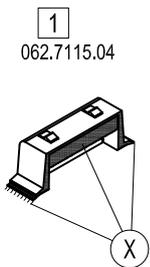
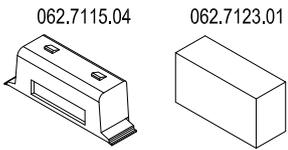
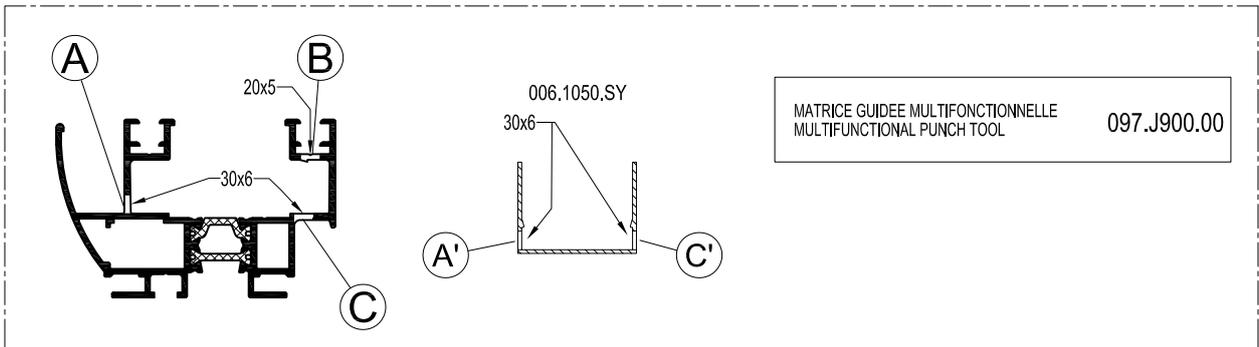
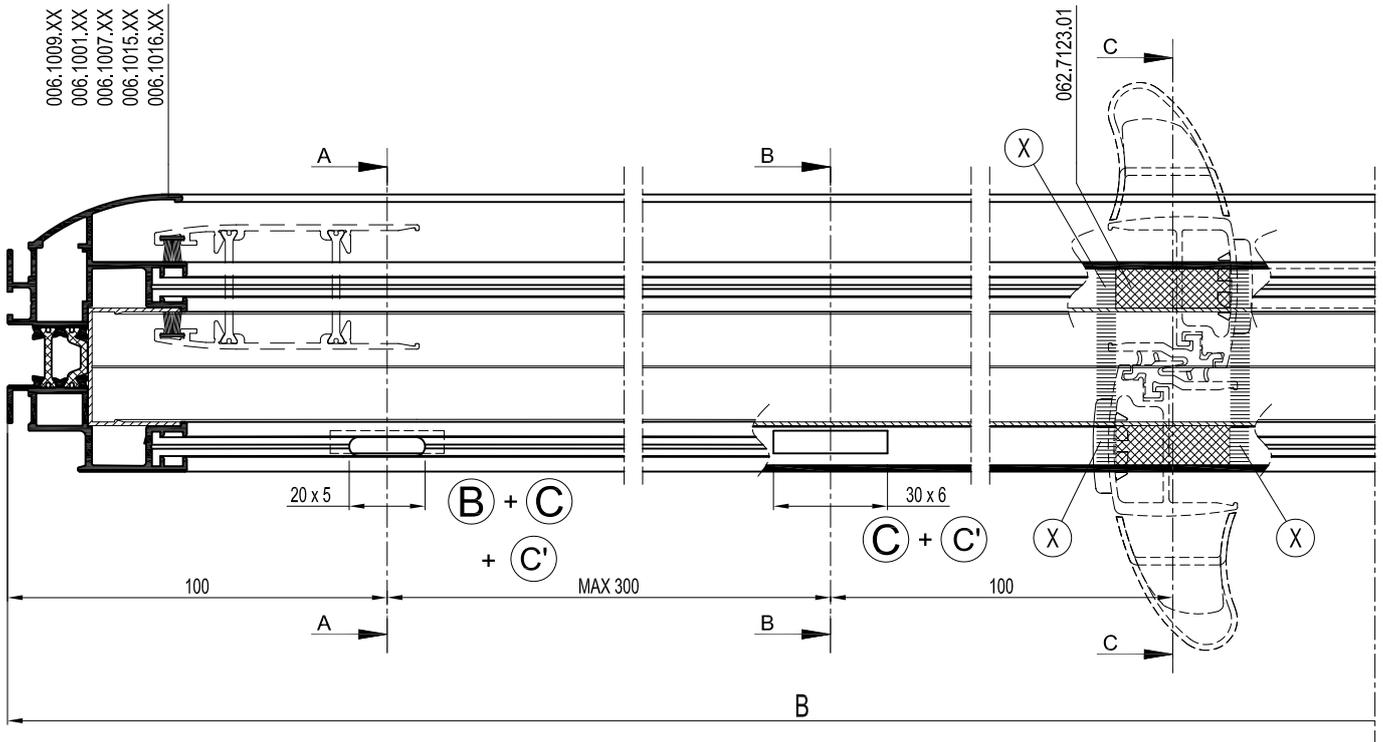


MATRICE GUIDEE MULTIFONCTIONELLE  
MULTIFUNCTIONAL PUNCH TOOL

097.J900.00

escala - échelle  
scale - Maßstab  
1/2





L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

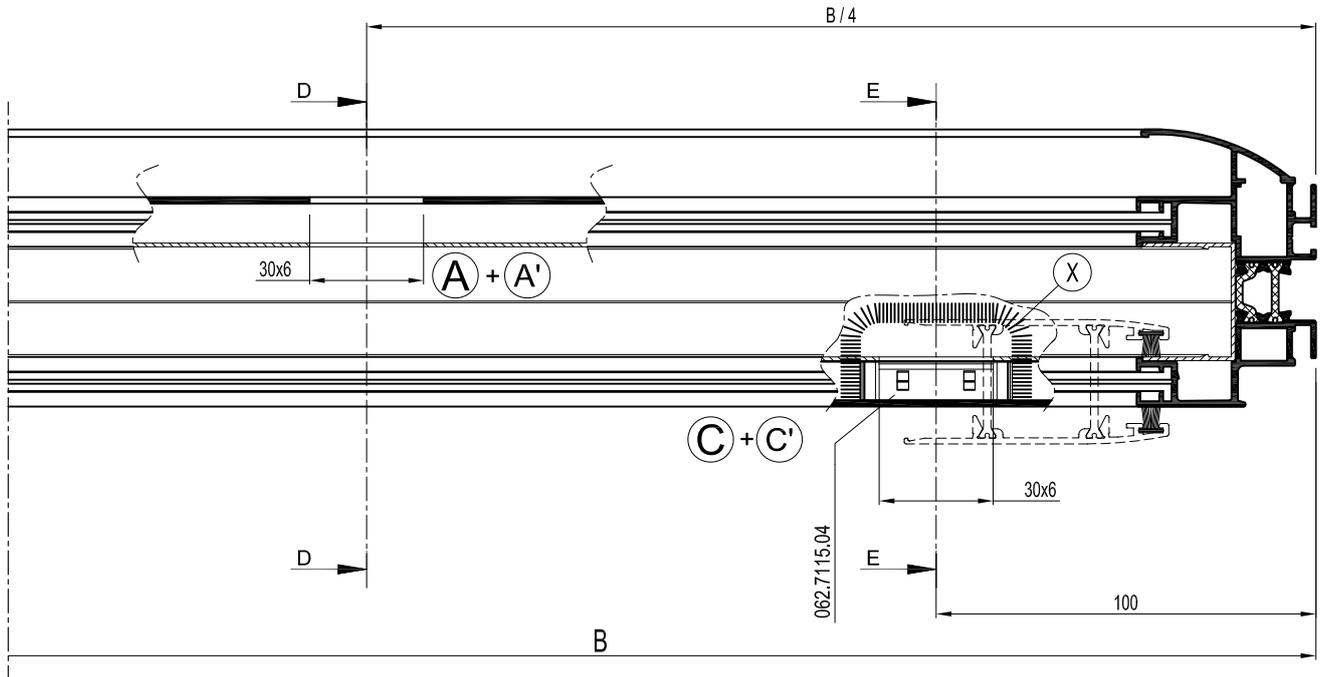
1 2 3 .

X MATIERE D'ETANCHEITE  
SEALING AGENT

Echelle - Scale  
1/2

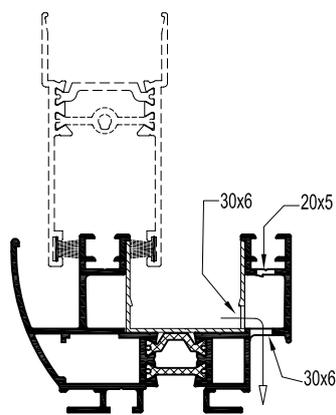


D1000450



A-A

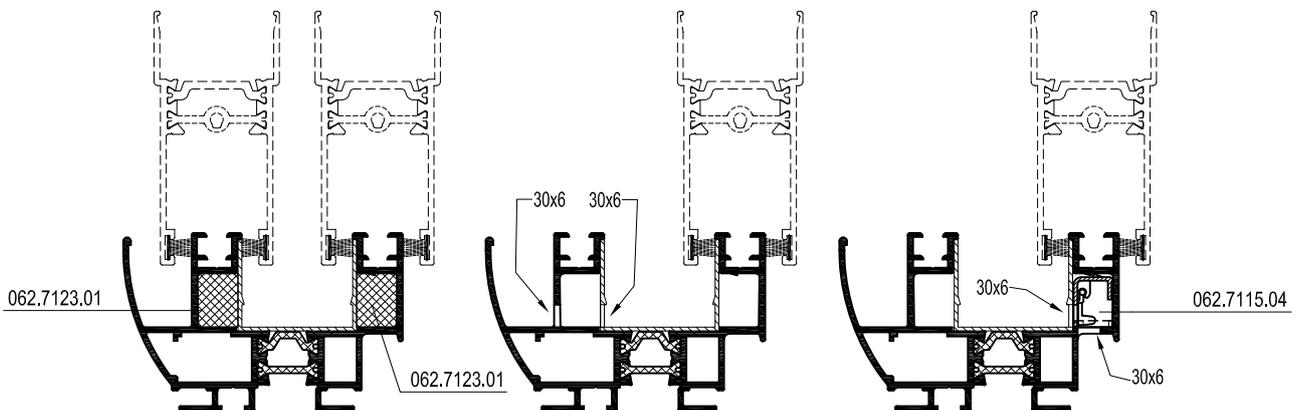
B-B



C-C

D-D

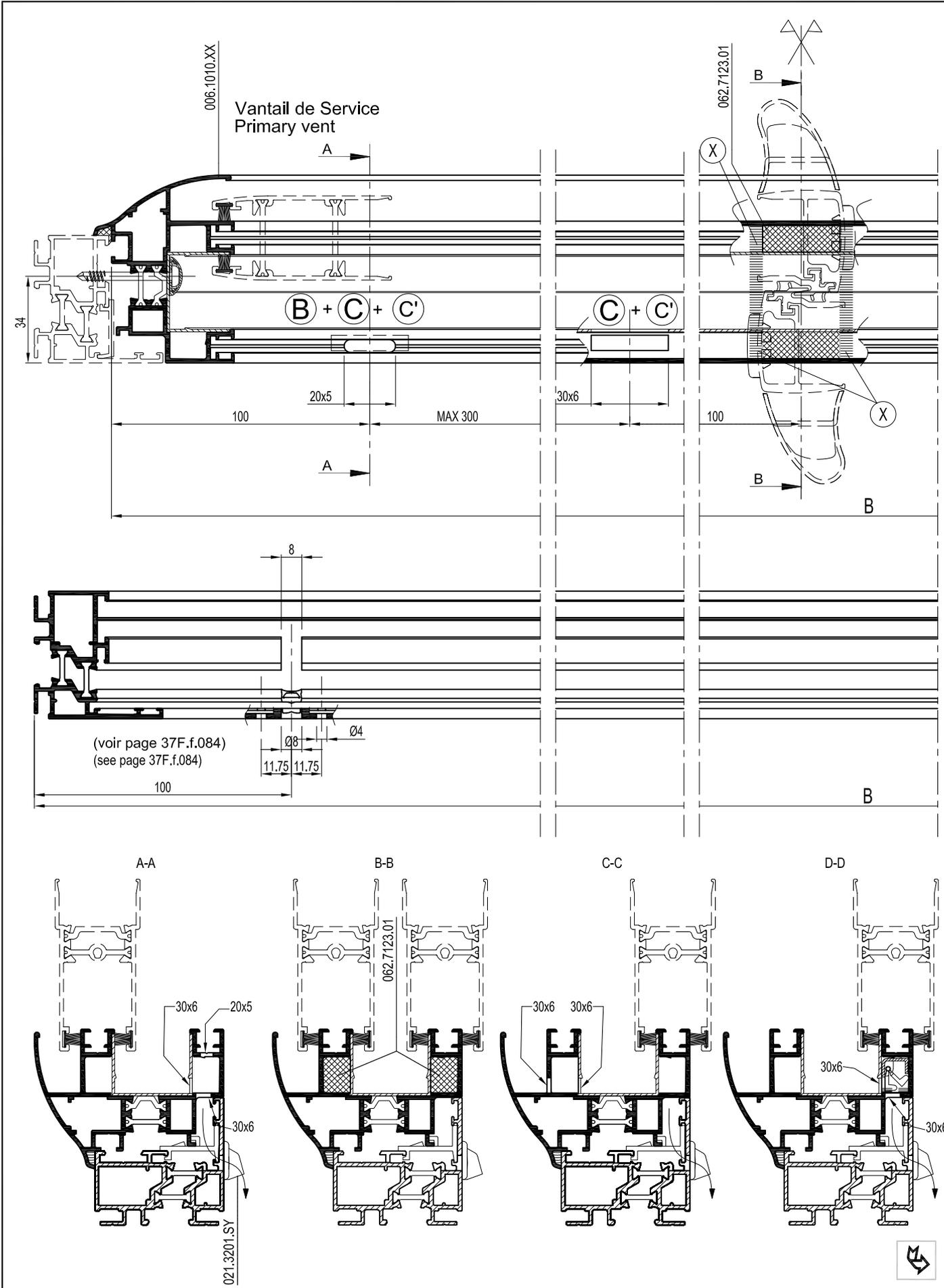
E-E



escala - échelle  
scale - Maßstab  
1/2



D1000450



L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

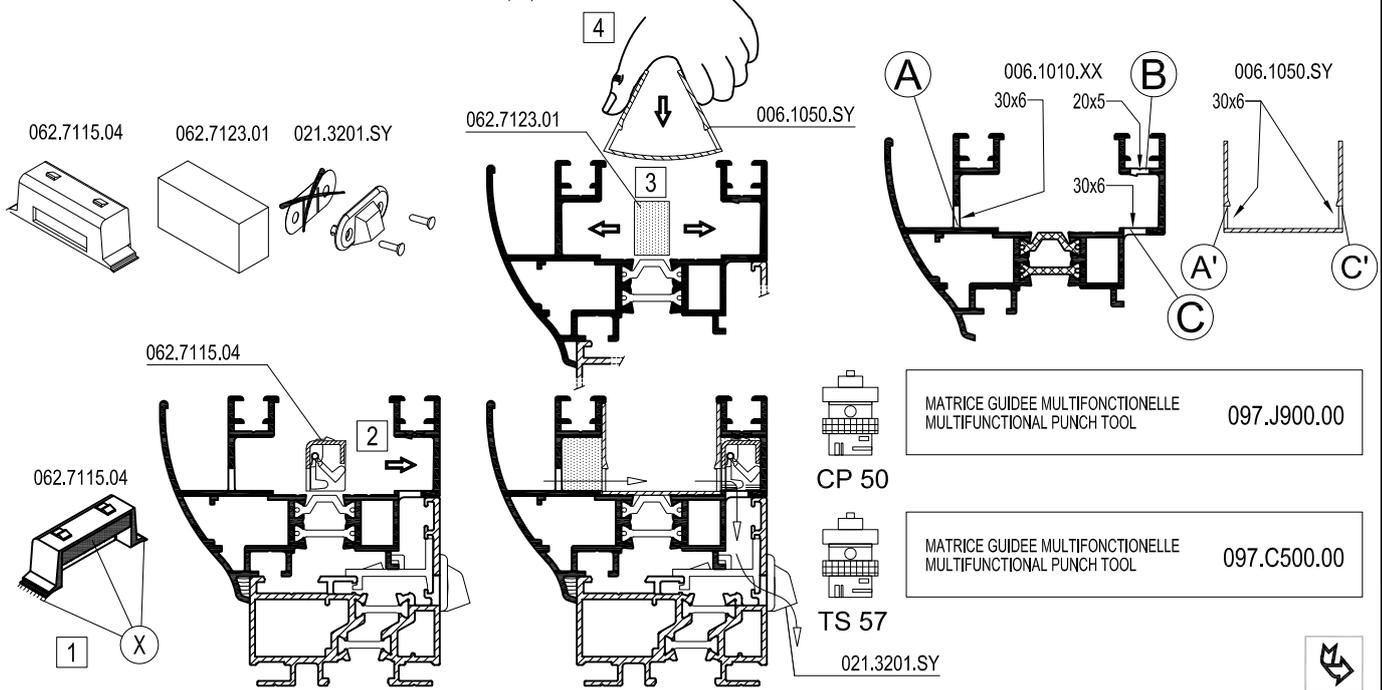
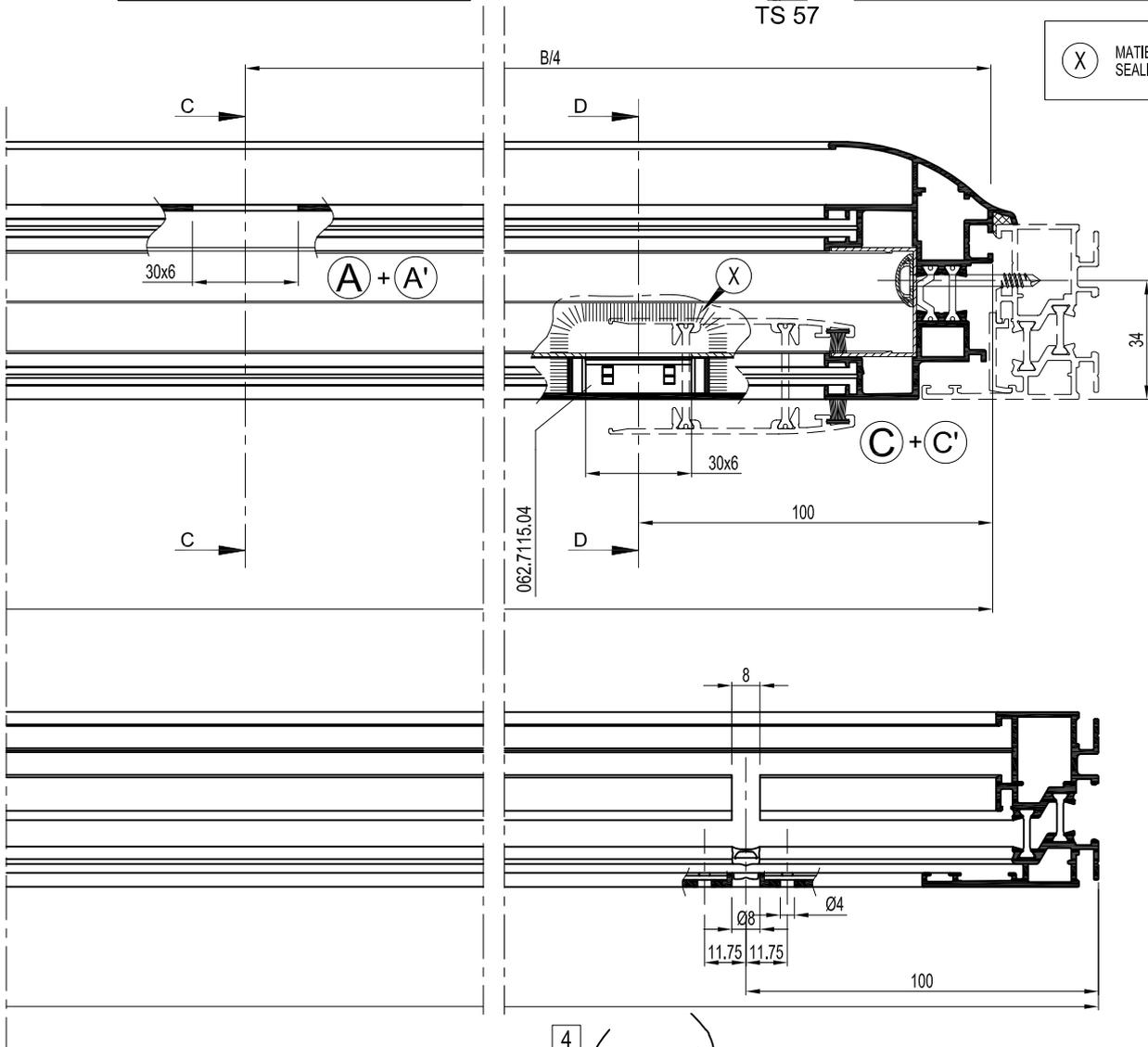
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MATRICE GUIDEE MULTIFONCTIONELLE  
MULTIFUNCTIONAL PUNCH TOOL

097.C500.00

(X) MATIERE D'ETANCHEITE  
SEALING AGENT



MATRICE GUIDEE MULTIFONCTIONELLE  
MULTIFUNCTIONAL PUNCH TOOL

097.J900.00

CP 50

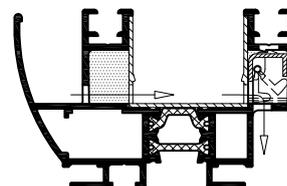
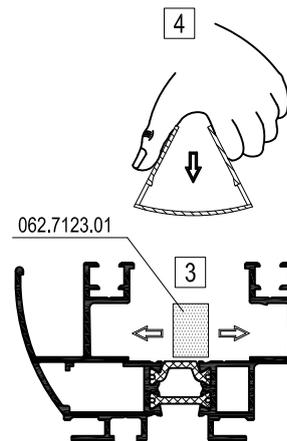
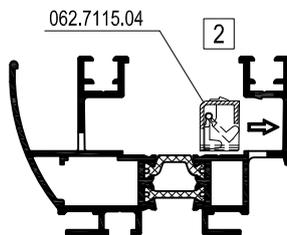
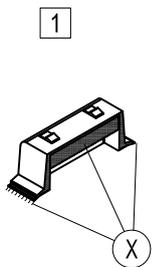
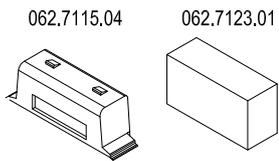
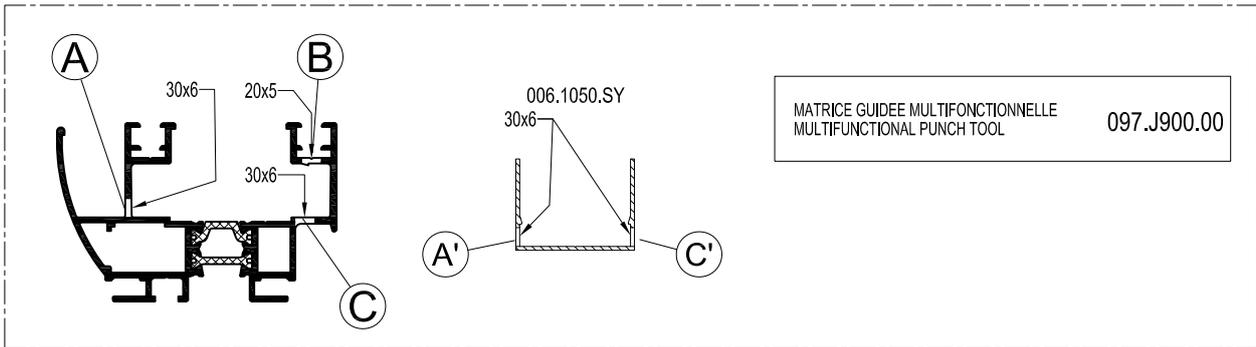
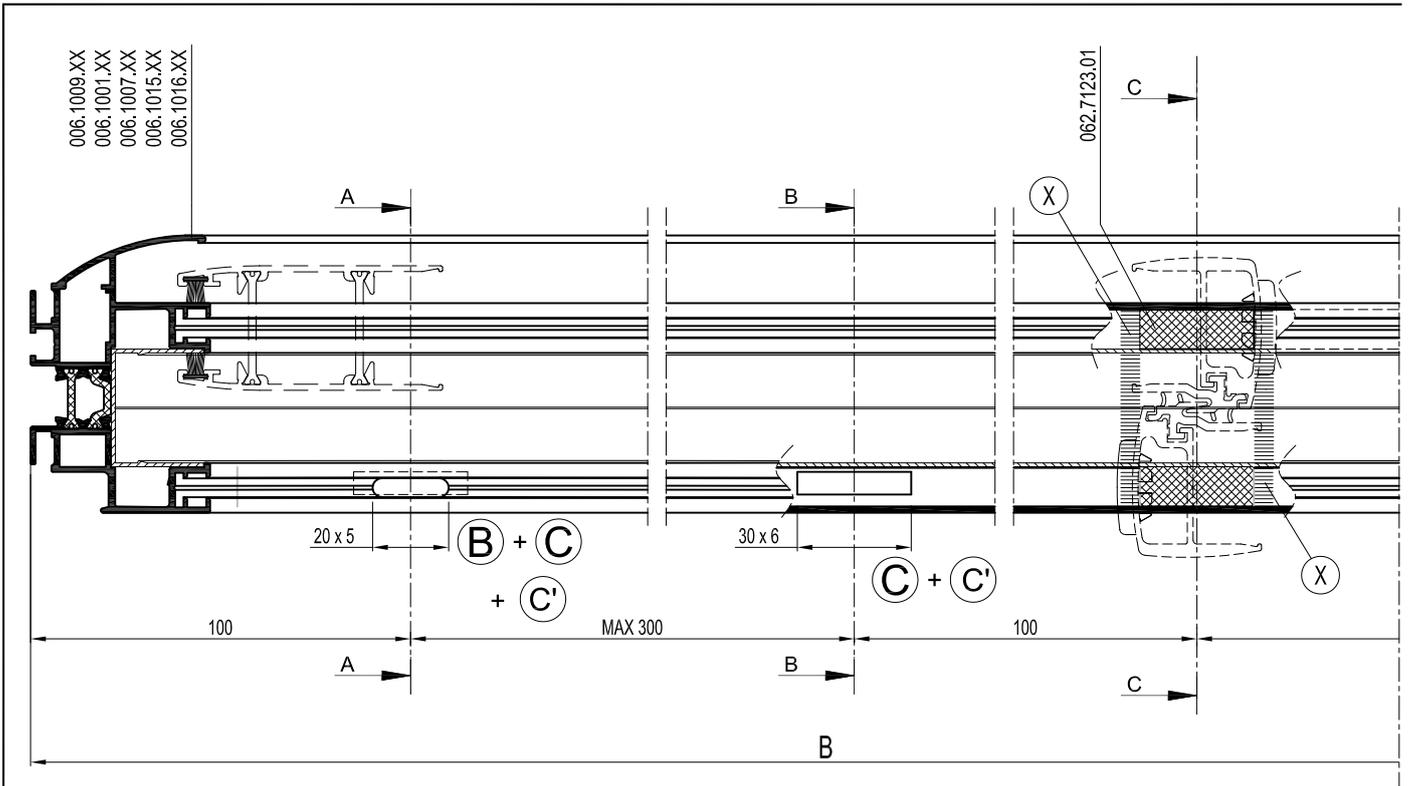
MATRICE GUIDEE MULTIFONCTIONELLE  
MULTIFUNCTIONAL PUNCH TOOL

097.C500.00

TS 57

021.3201.SY



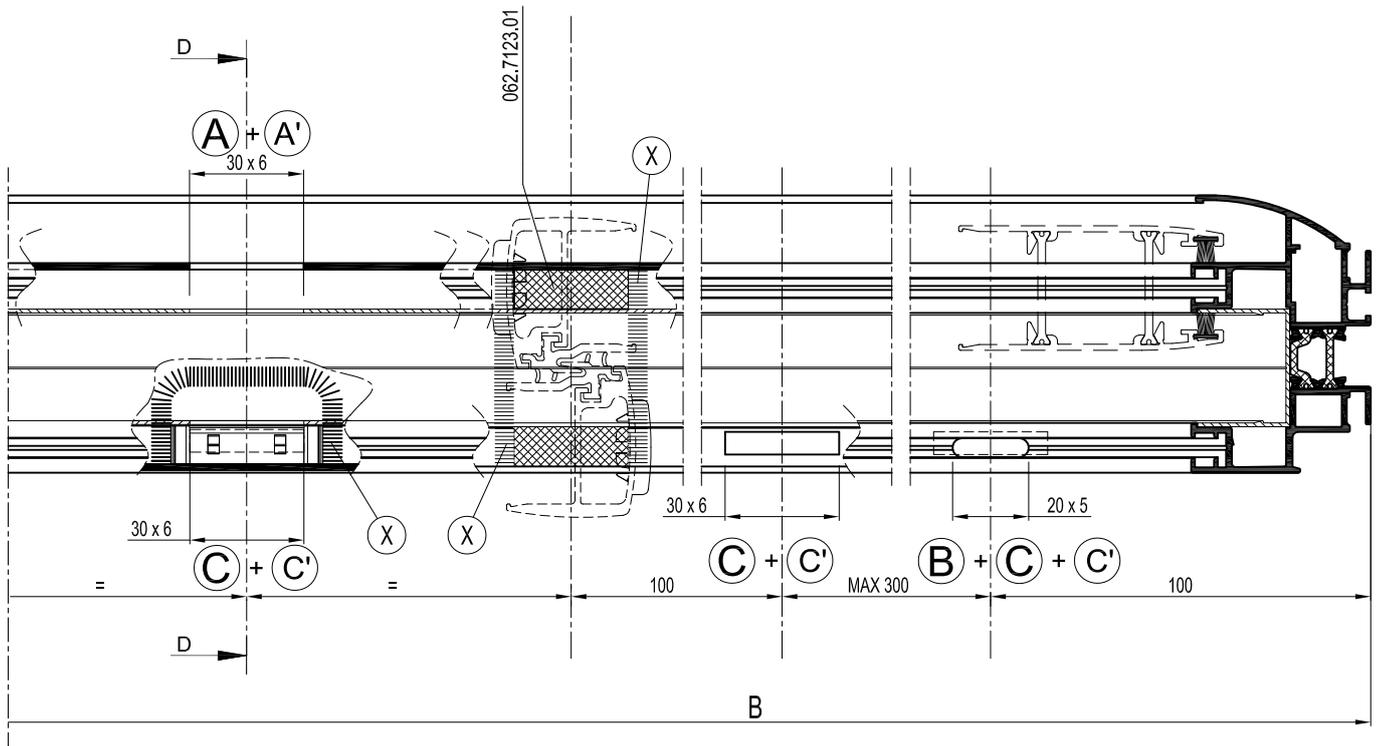


L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

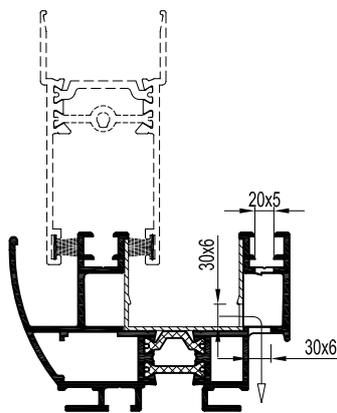
1	2	3	.
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(X) MATIERE D'ETANCHEITE  
SEALING AGENT

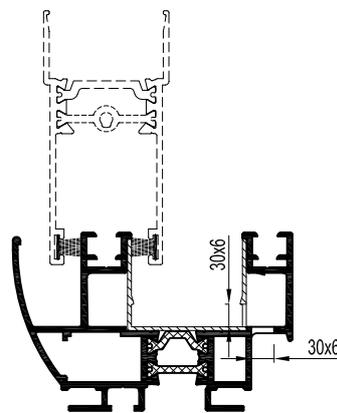
Echelle - Scale  
1/2



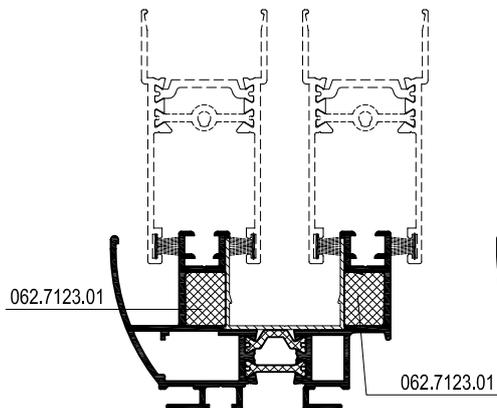
A-A



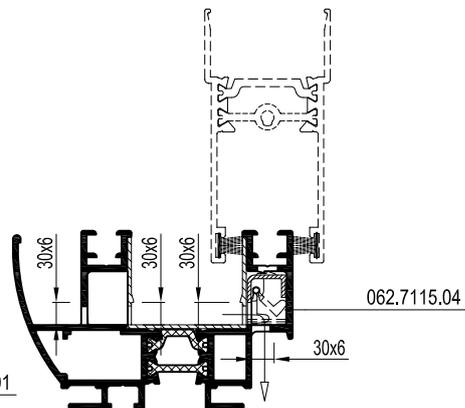
B-B

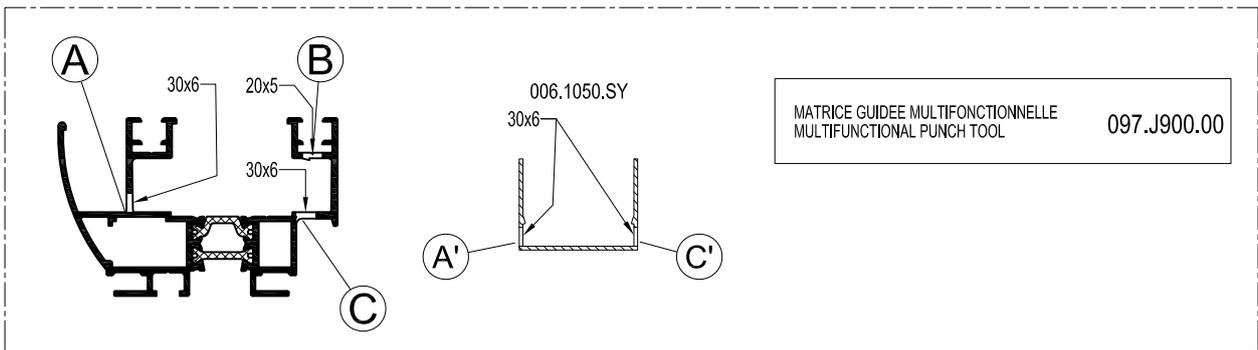
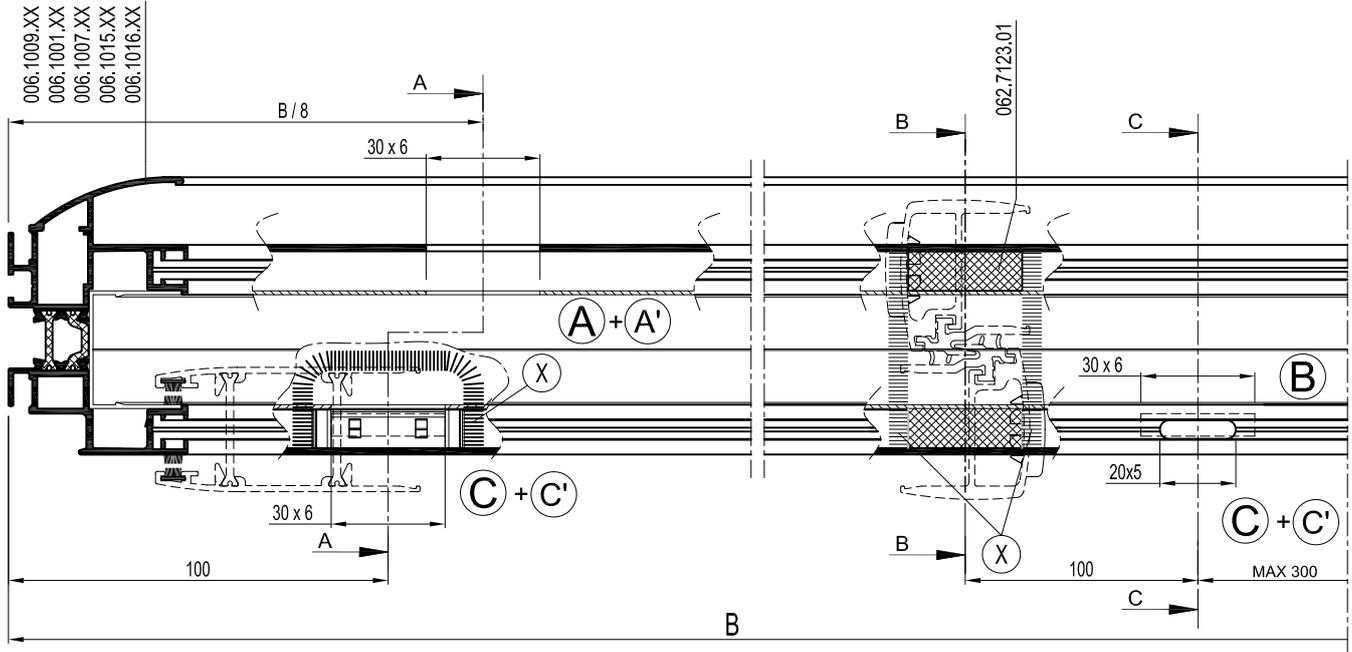


C-C

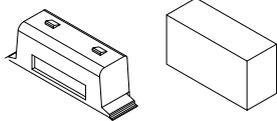


D-D



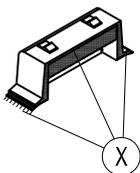


062.7115.04    062.7123.01

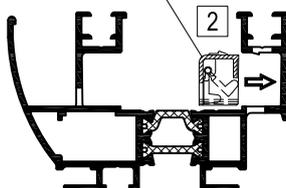


1

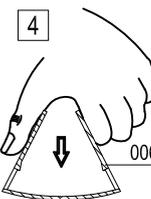
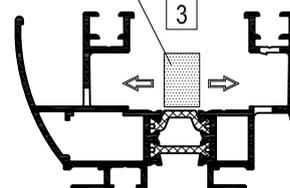
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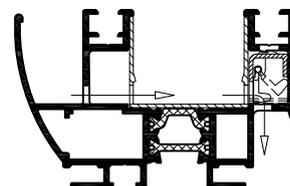
062.7115.04



062.7123.01



006.1050.SY



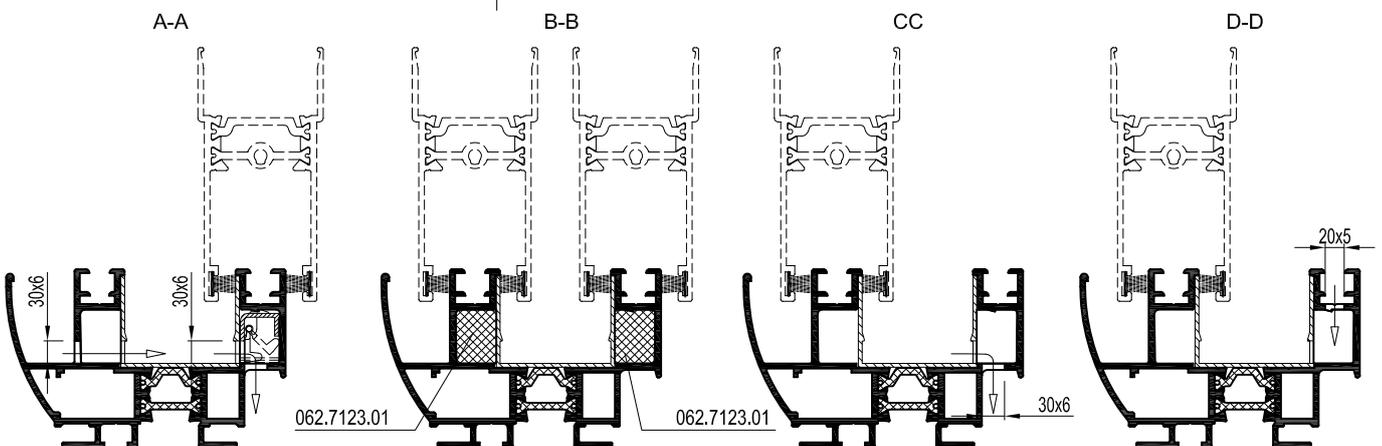
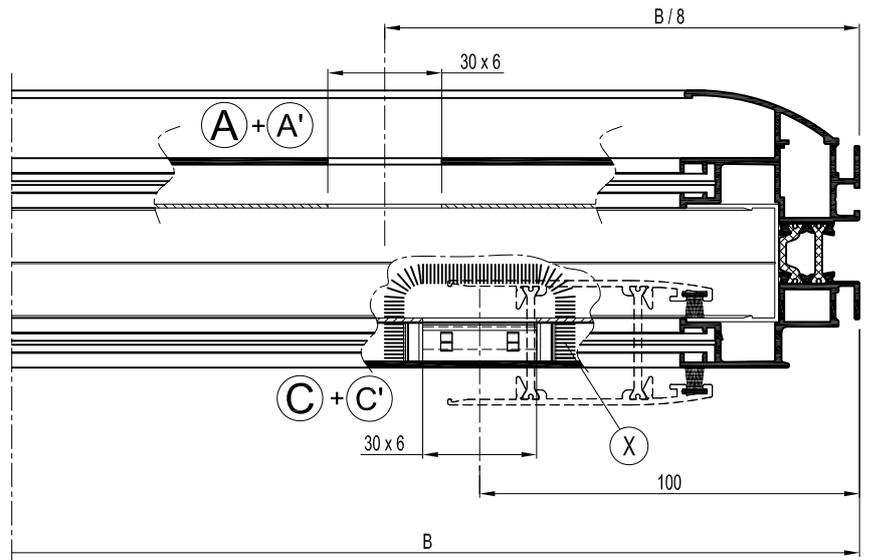
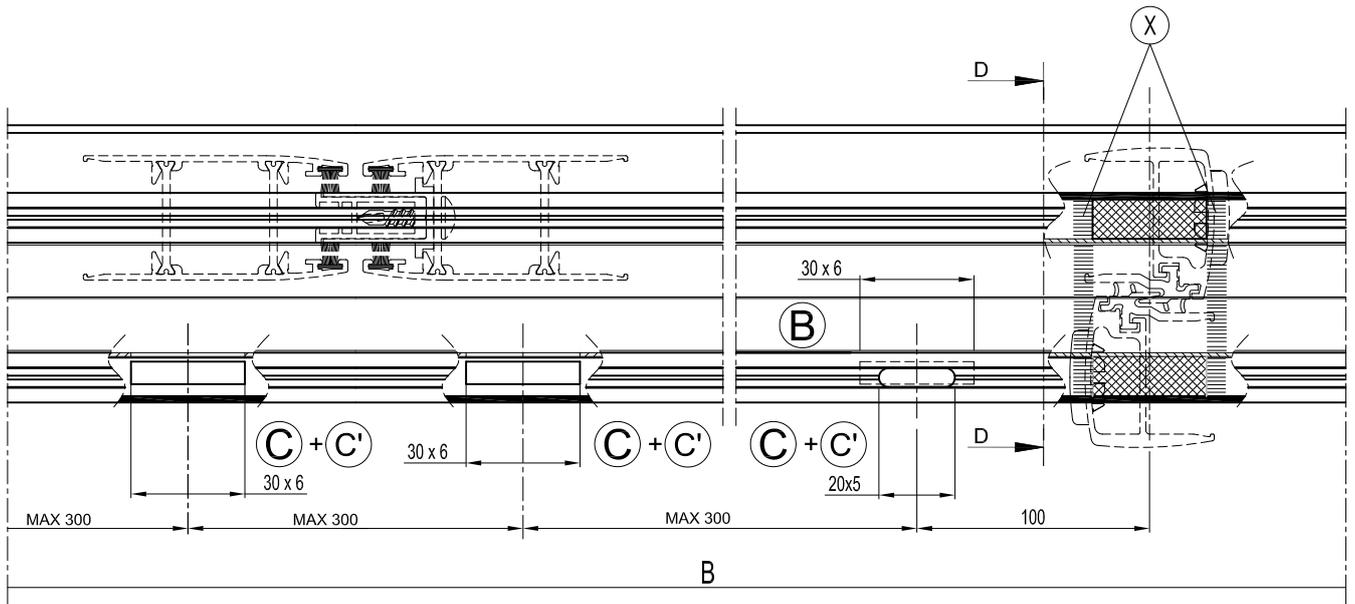
L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

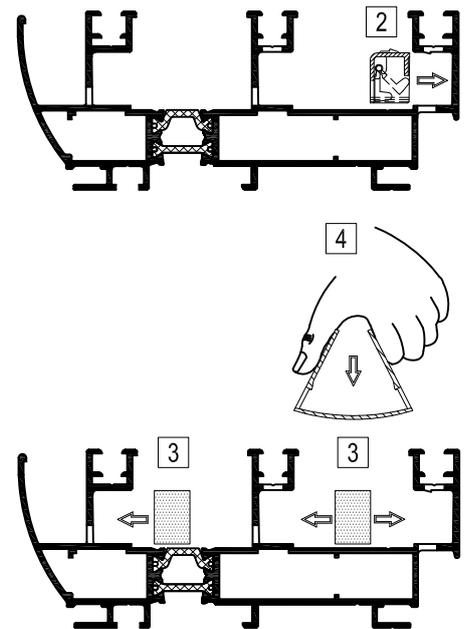
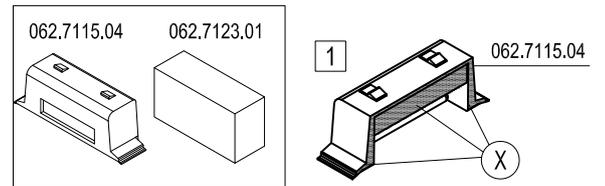
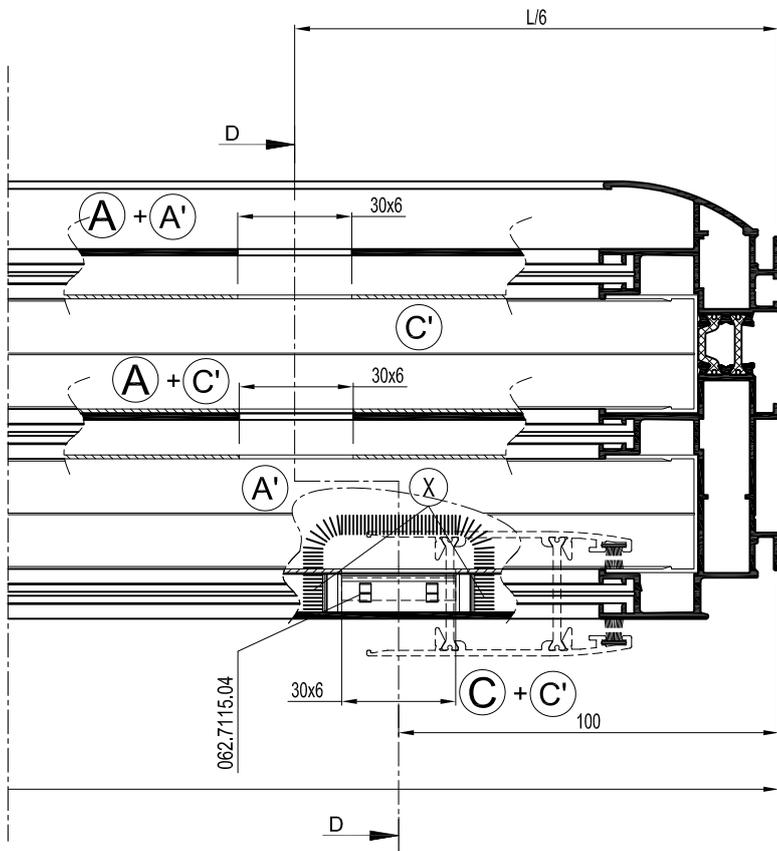
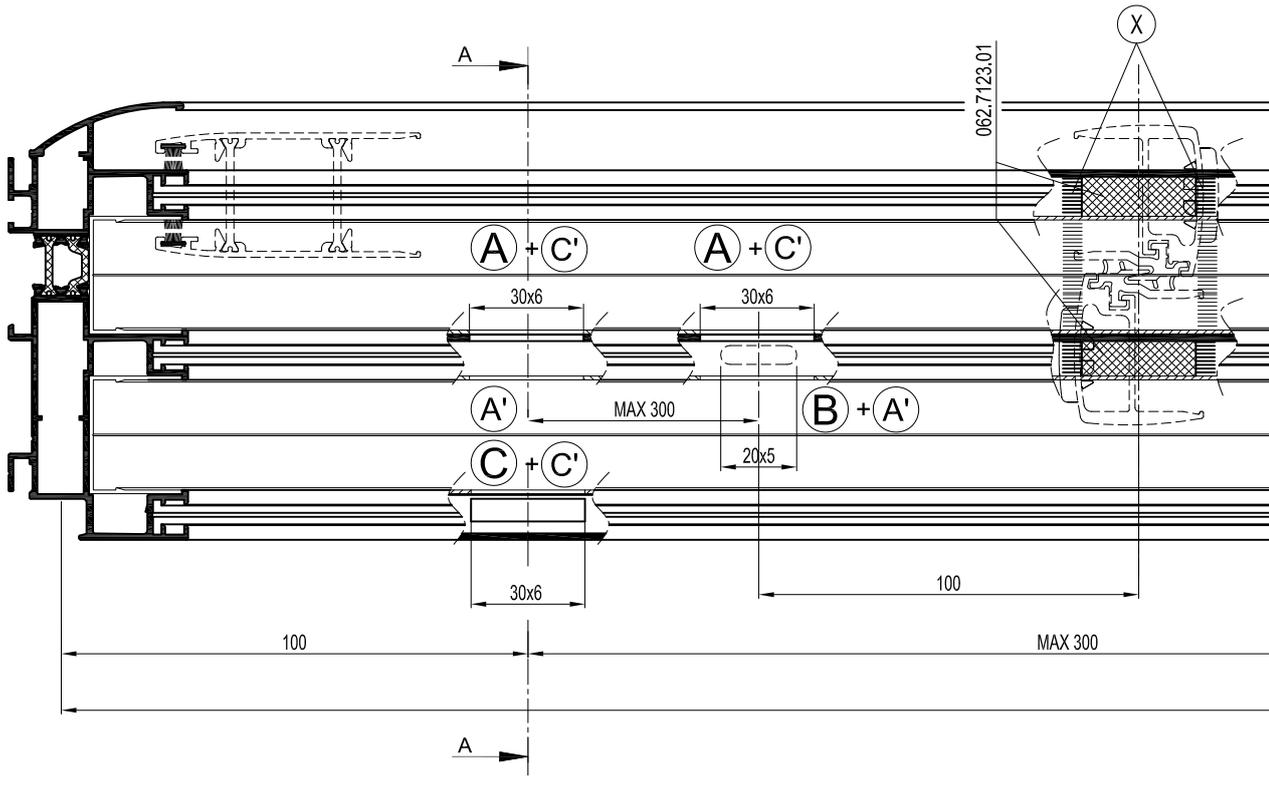
1	2	3	.
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(X) MATIERE D'ETANCHEITE  
SEALING AGENT

Echelle - Scale  
1/2







L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

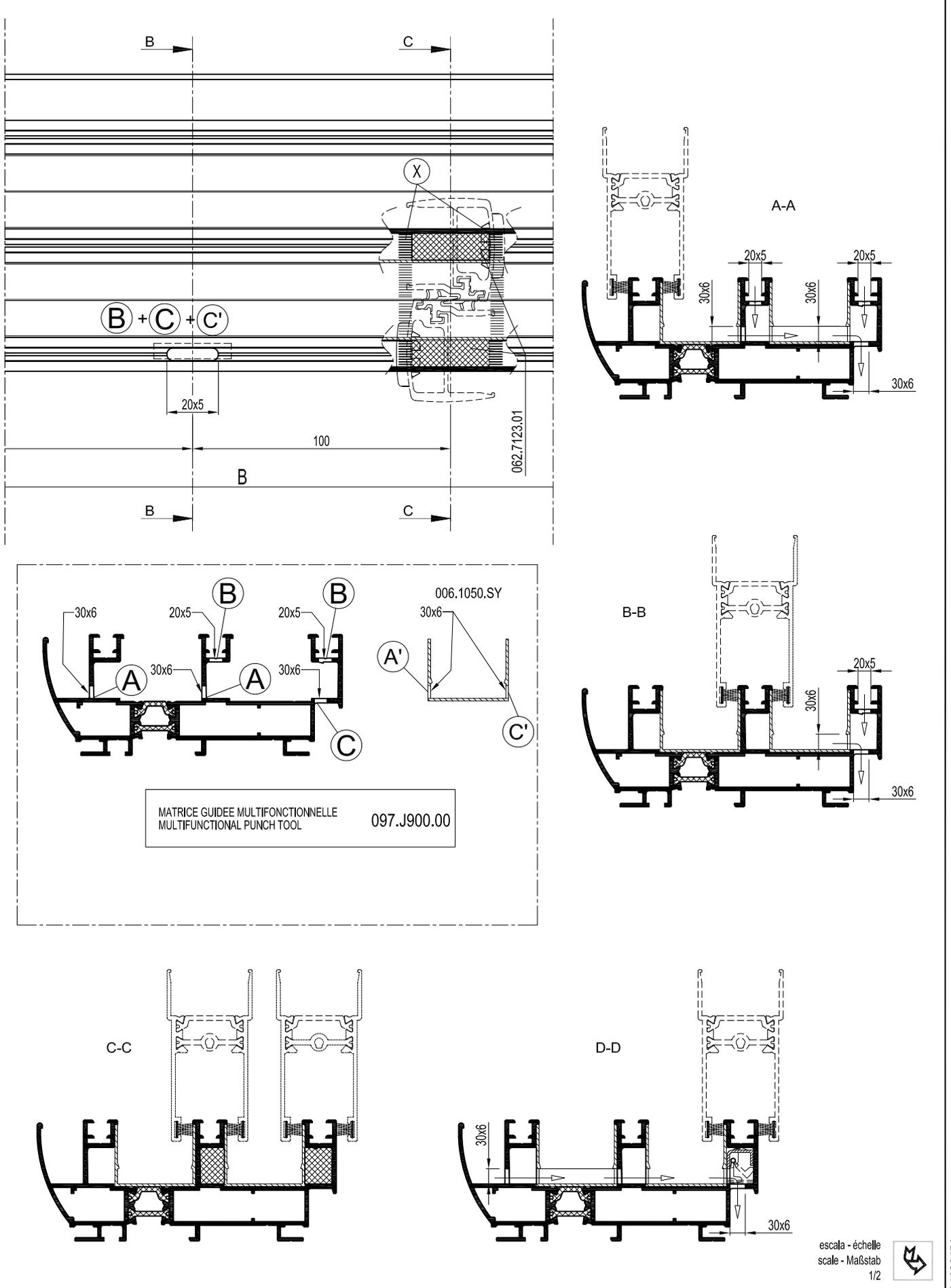
1	2	3	.
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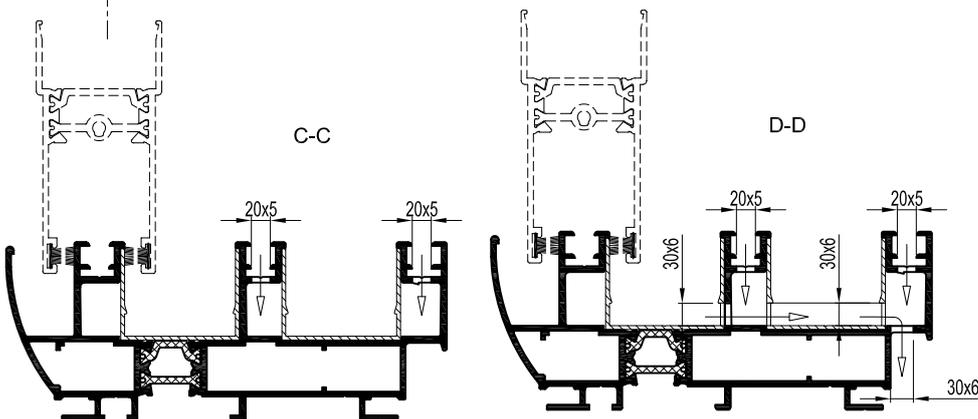
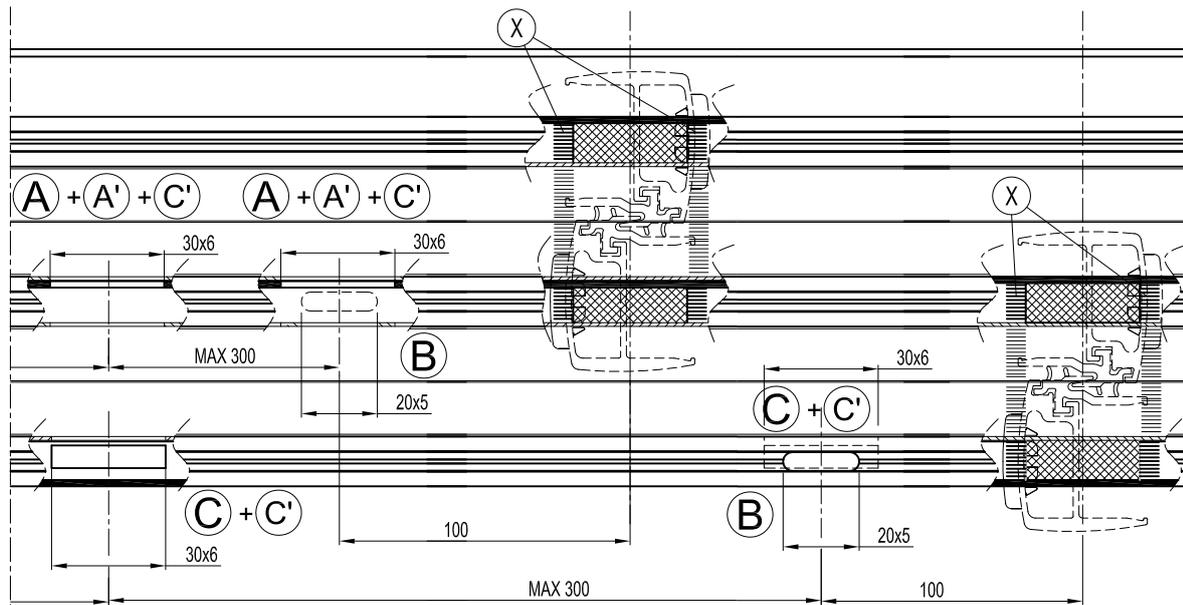
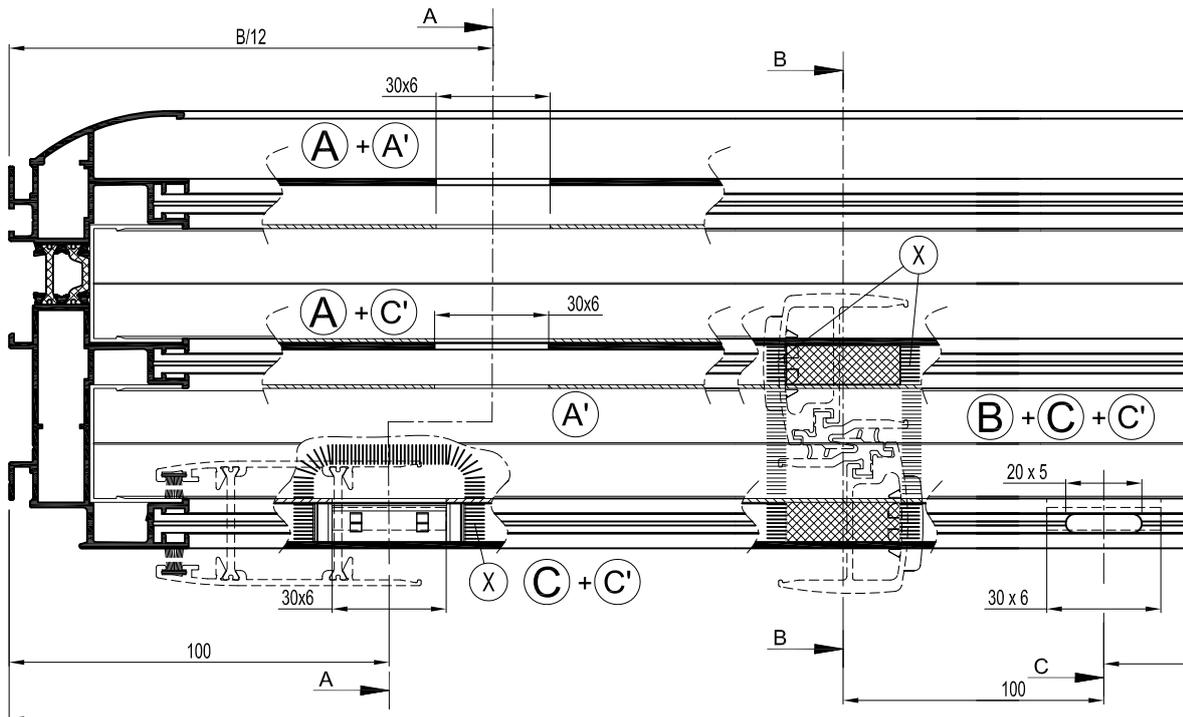
(X) MATIERE D'ETANCHEITE  
SEALING AGENT

Echelle - Scale  
1/2



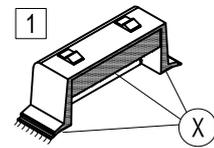
D1000454





L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
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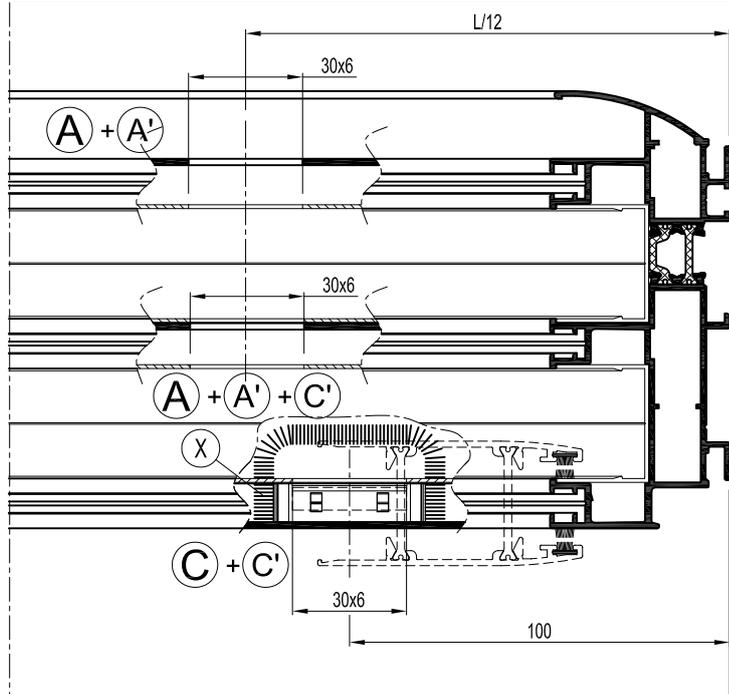
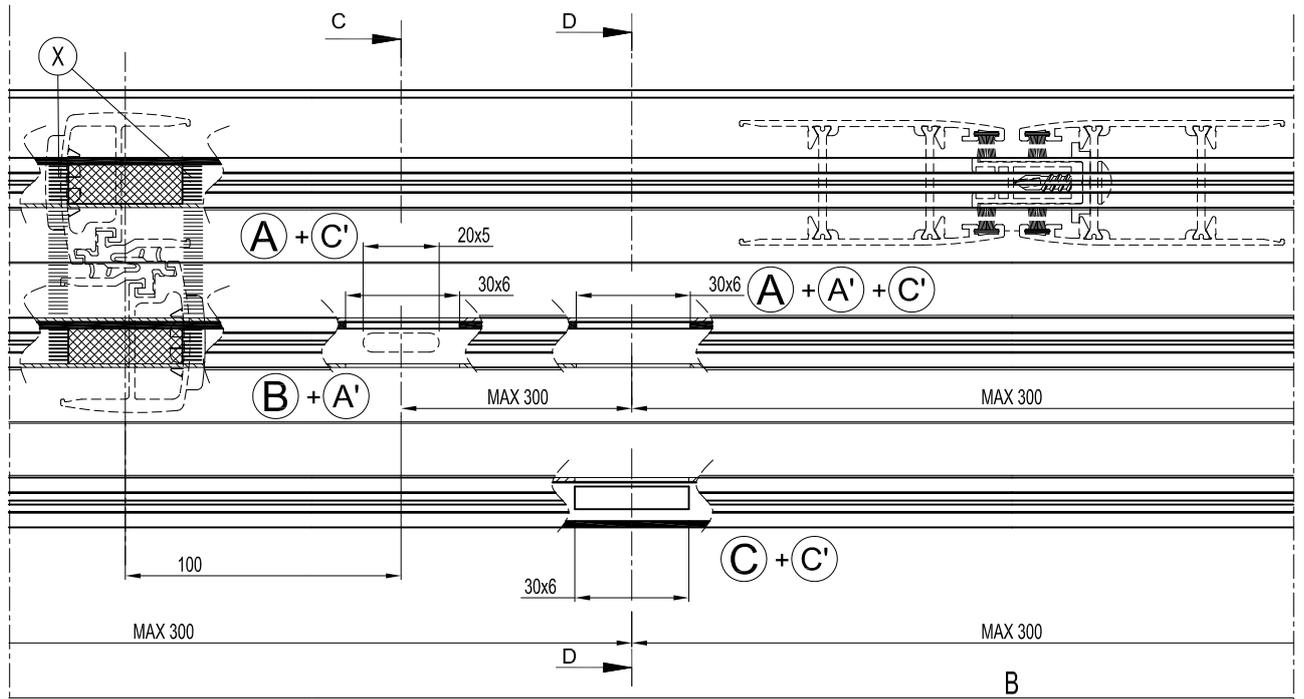


062.7115.04

escala - échelle  
scale - Maßstab  
1/2

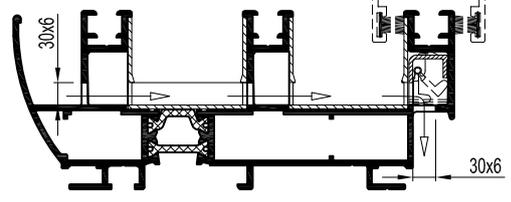


D1000455

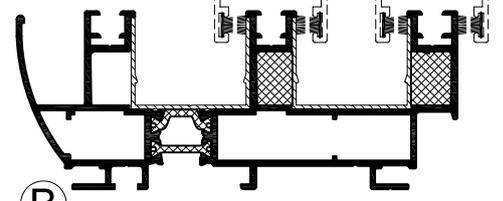


(X) MATIERE D'ETANCHEITE  
SEALING AGENT

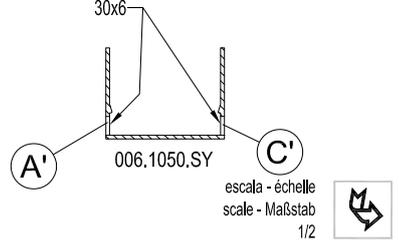
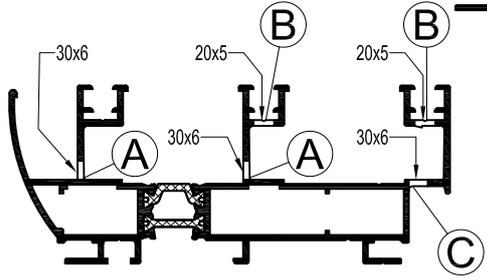
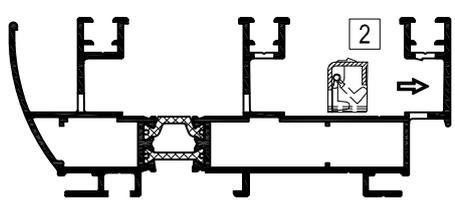
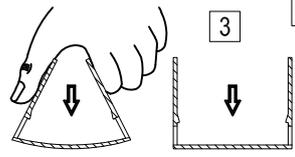
A-A



B-B

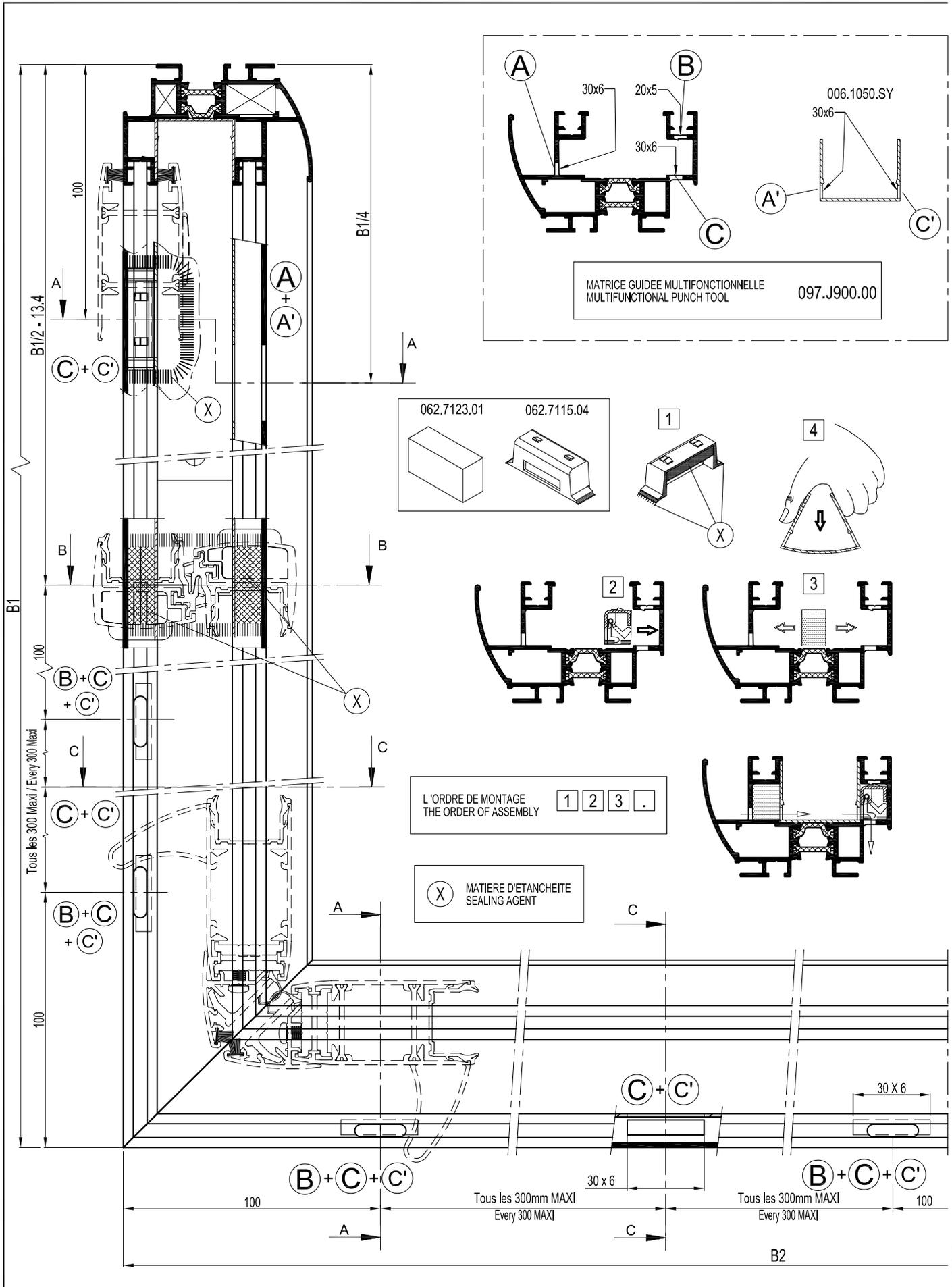


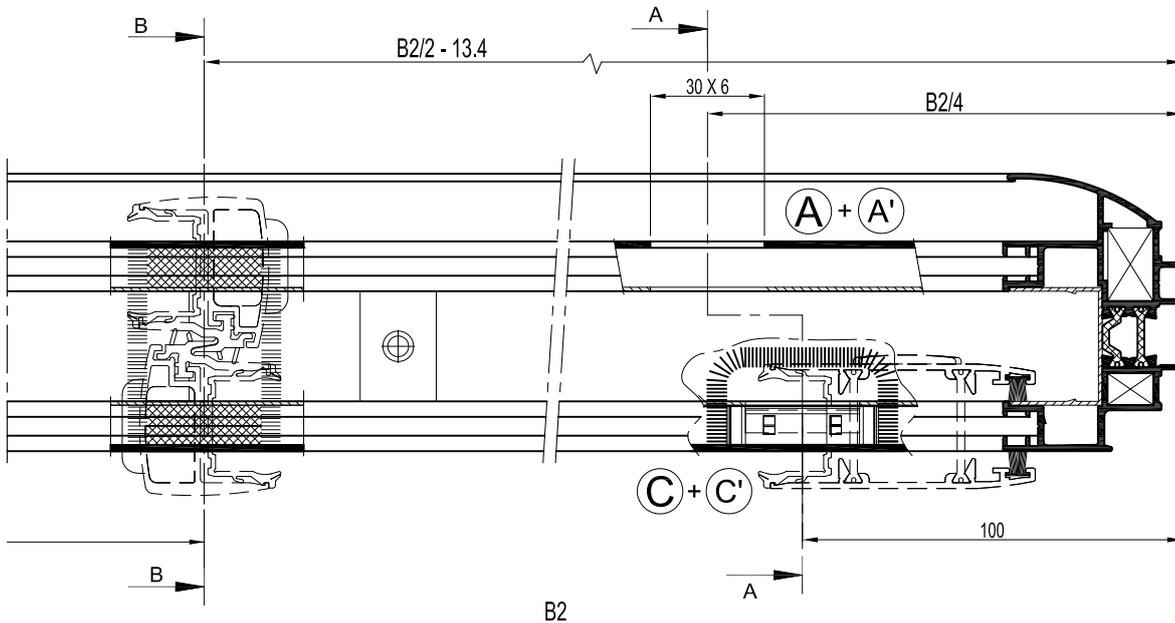
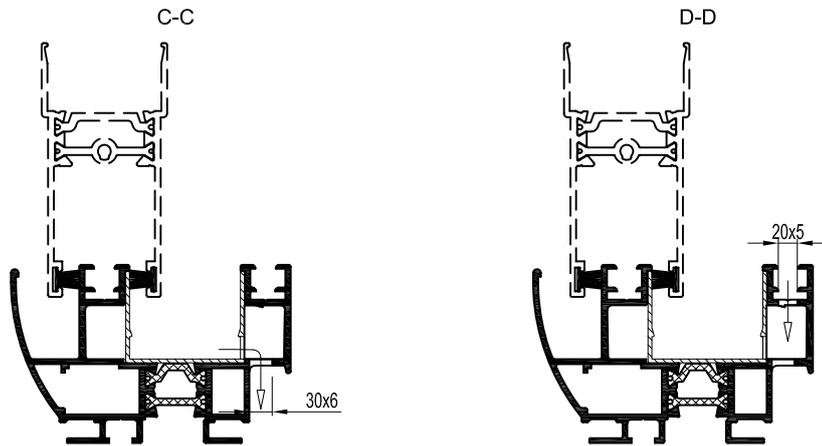
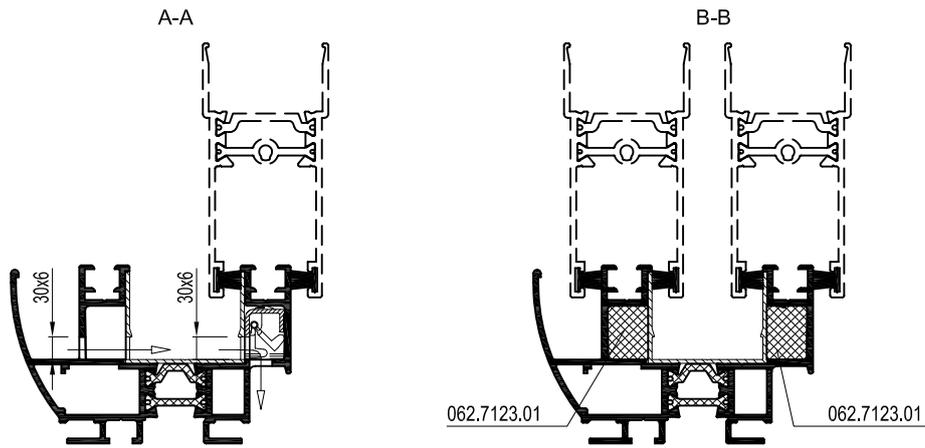
MATRICE GUIDEE MULTIFONCTIONNELLE  
MULTIFUNCTIONAL PUNCH TOOL 097.J900.00



escala - échelle  
scale - Maßstab  
1/2



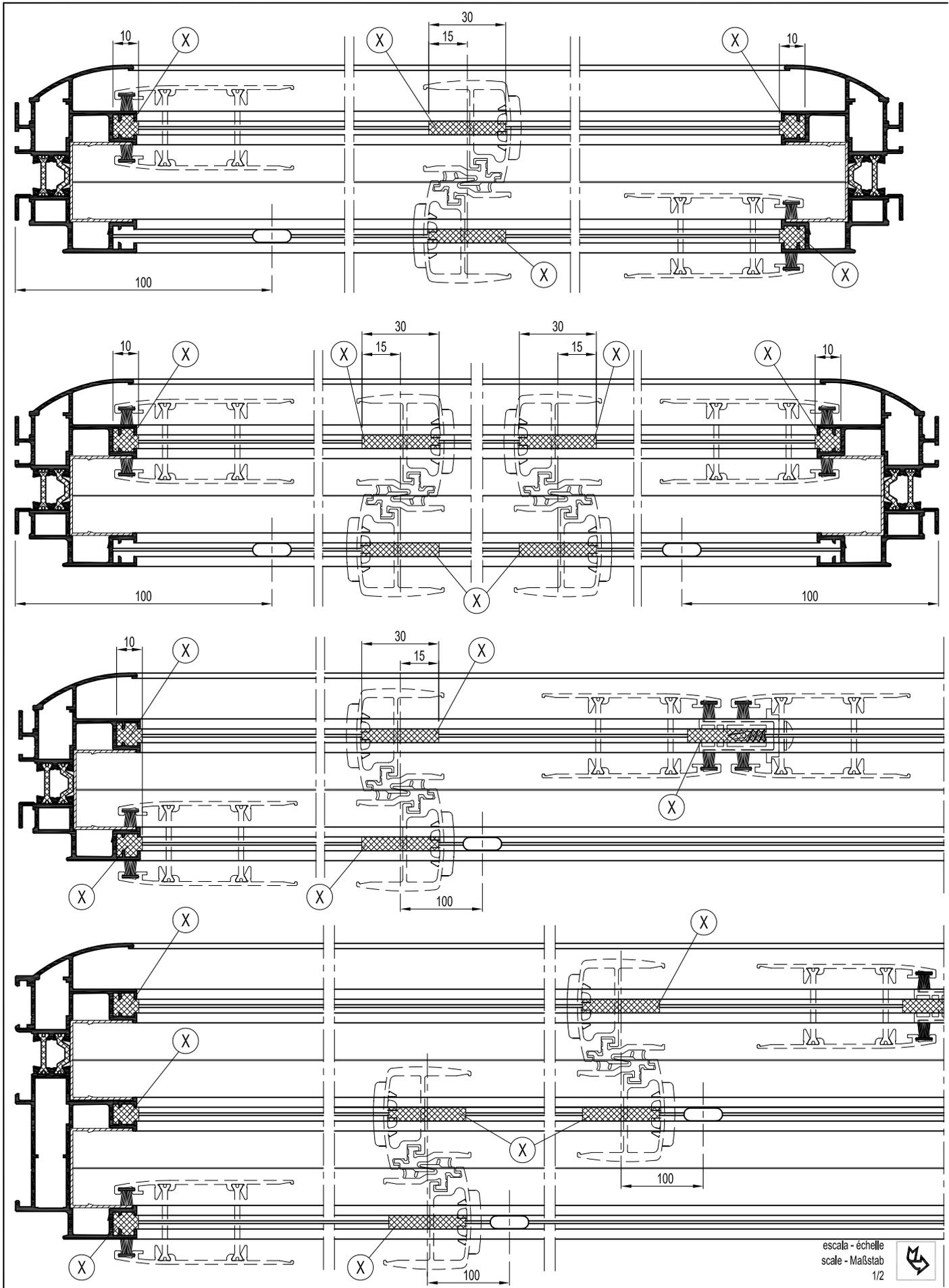




escala - échelle  
 scale - Maßstab  
 1/2



D1038164

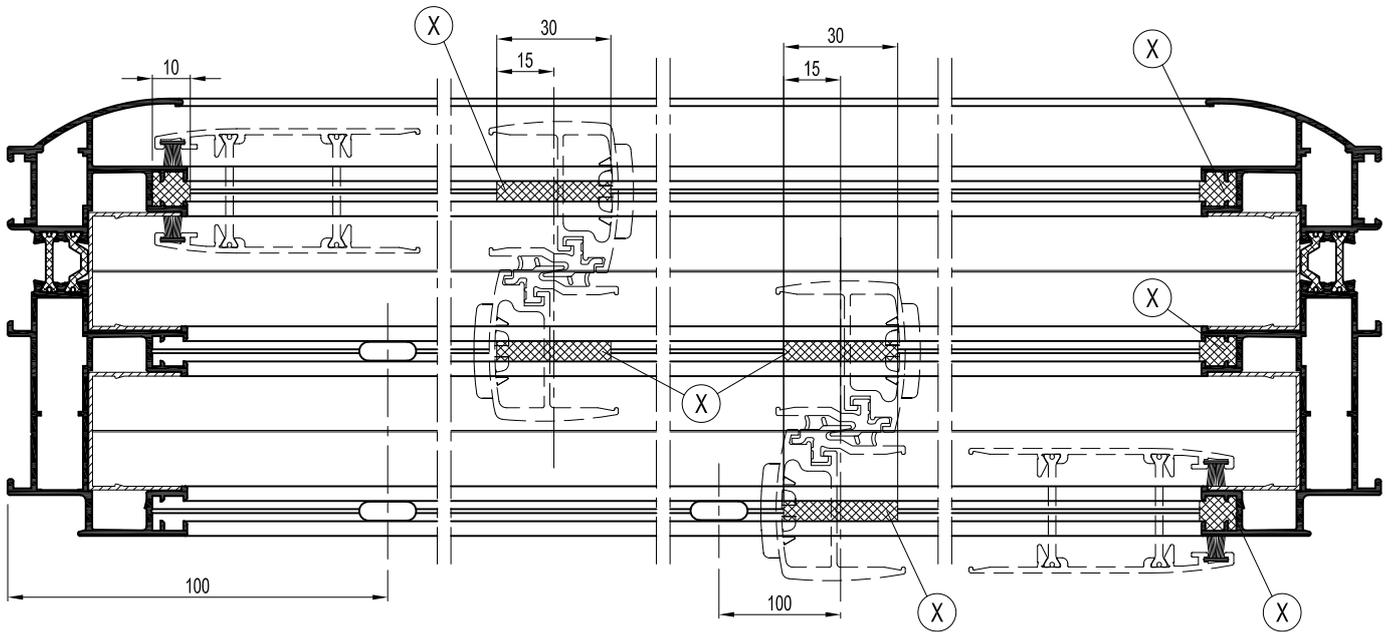


escala - échelle  
scale - Maßstab  
1/2

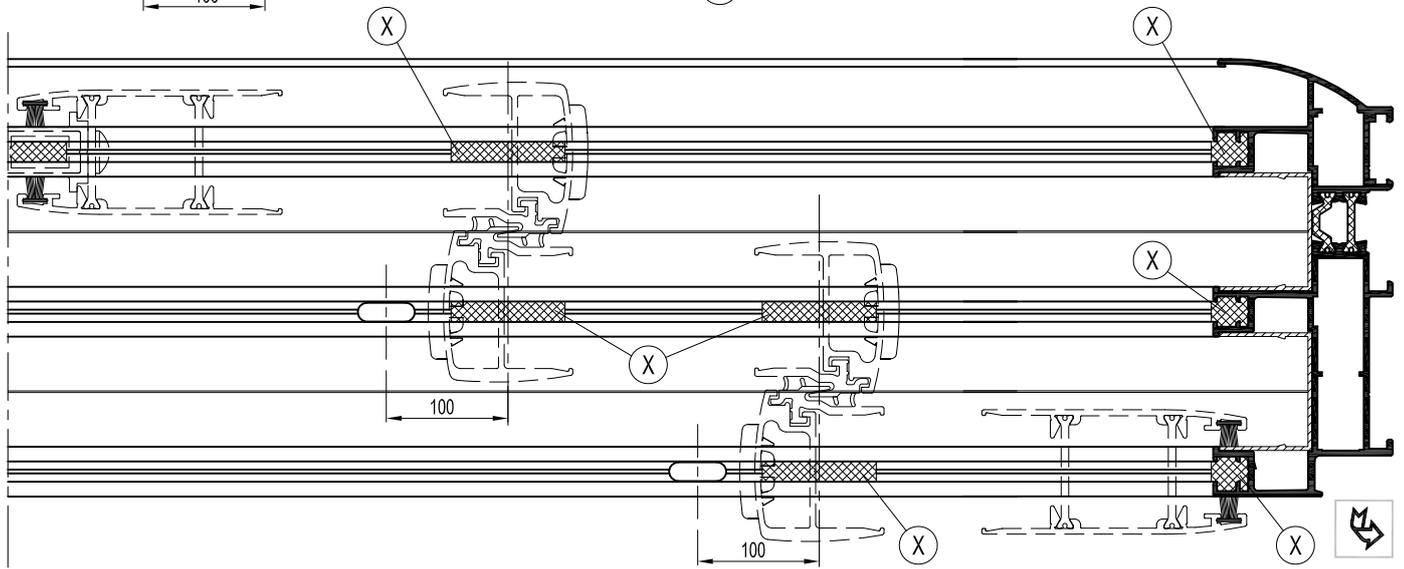
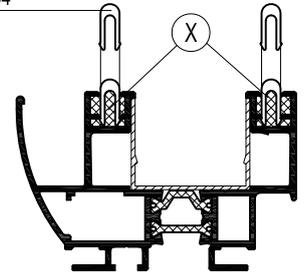
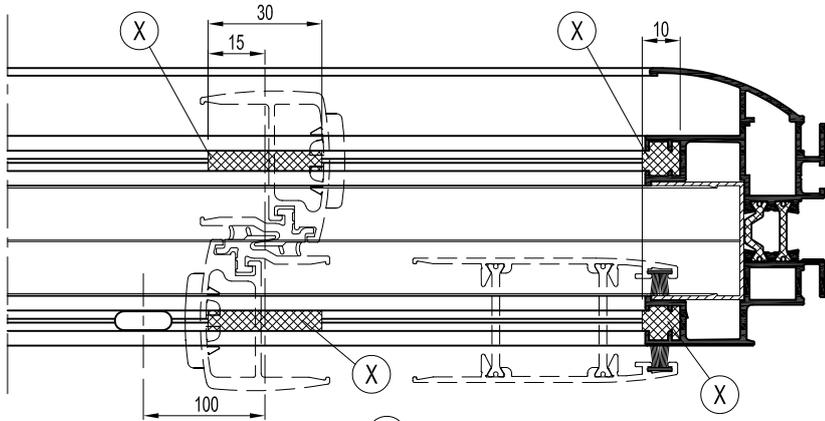


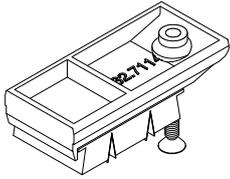
D1000456

(X) MATIERE D'ETANCHEITE  
SEALING AGENT

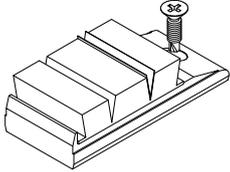


006.1075.--  
ou/or 006.1076.17  
006.1077.04

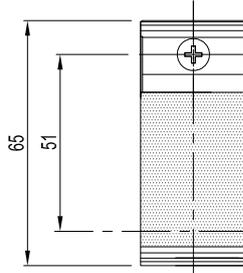
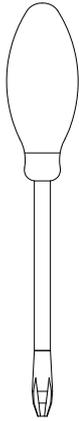




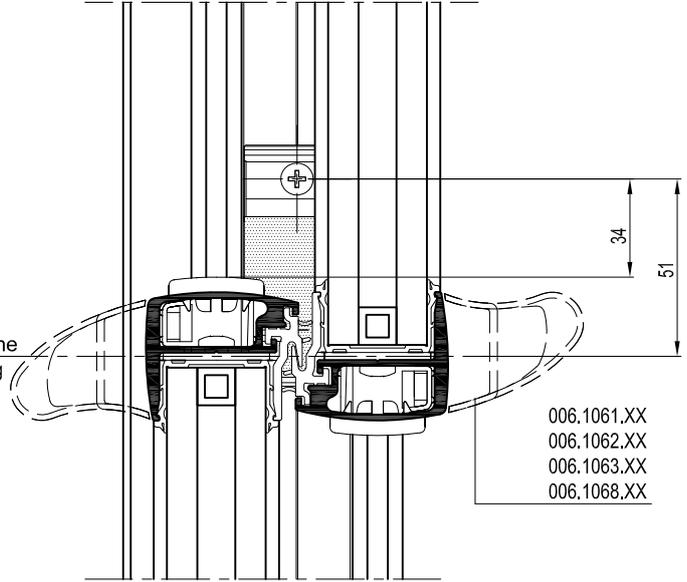
062.7114.04



Serrer à la main  
Screw manually



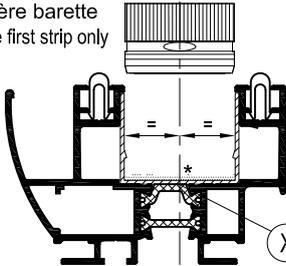
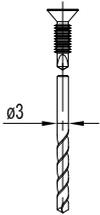
Axe chicane  
Axle meeting  
section



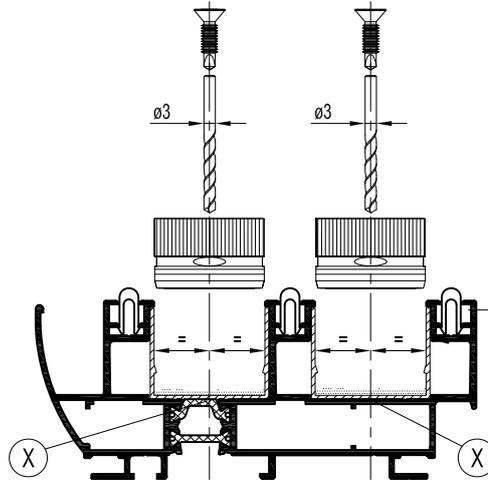
- 006.1061.XX
- 006.1062.XX
- 006.1063.XX
- 006.1068.XX



\*  
Ne percer que la  
première barette  
Drill the first strip only

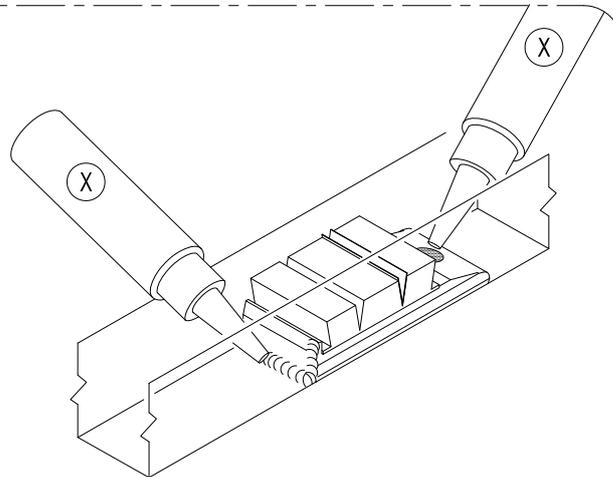


- 006.1001.XX
- 006.1007.XX
- 006.1009.XX
- 006.1010.XX
- 006.1015.XX
- 006.1016.XX



- 006.1021.XX
- 006.1022.XX
- 006.1023.XX

Etancher après montage les  
extrémités ainsi que la tête  
de vis.  
Seal after assembly the ends and  
the screw head.

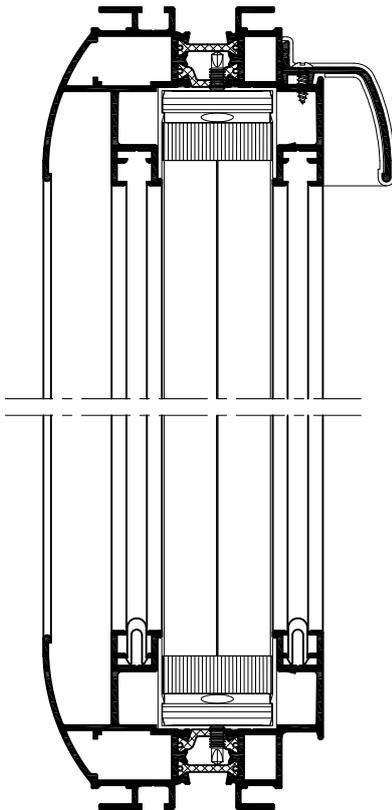


(X) MATIERE D'ETANCHEITE  
SEALING AGENT

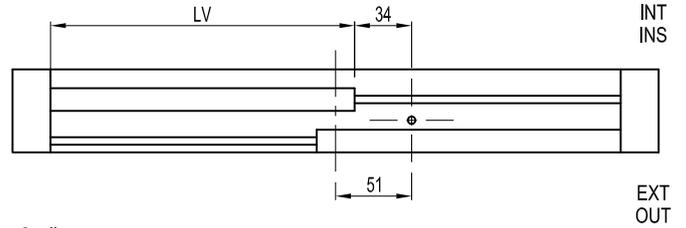
Echelle - Scale  
1/2



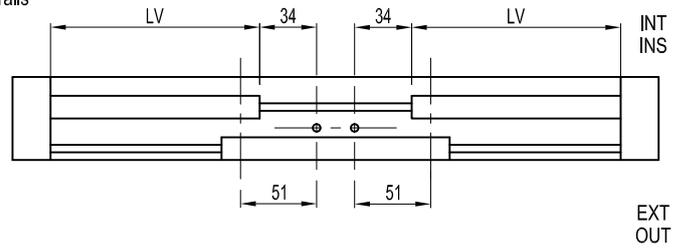
D1000457



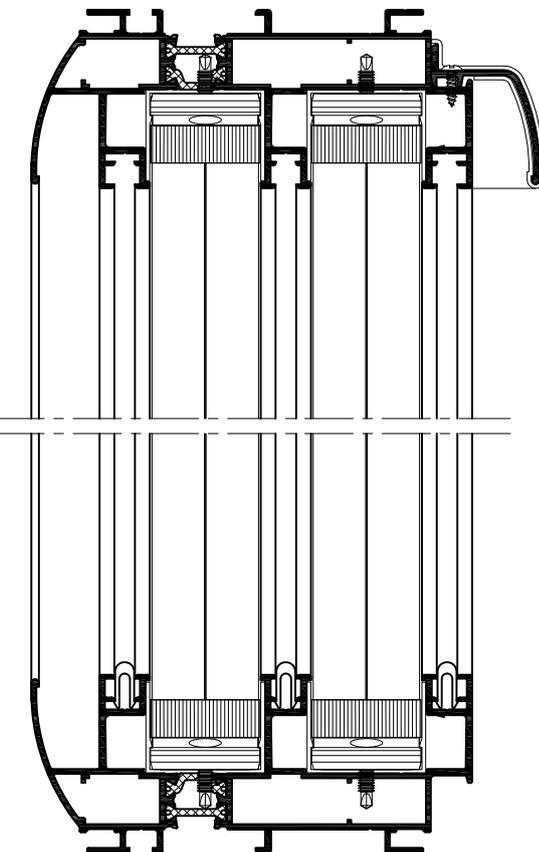
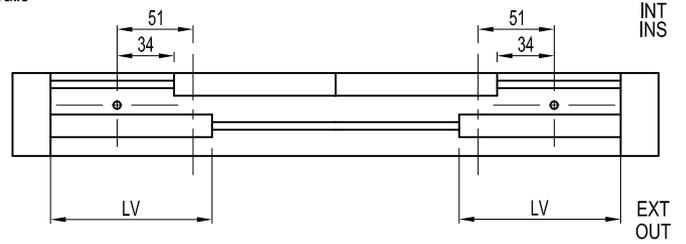
2 vantaux sur 2 rails  
2 vents - 2 rails



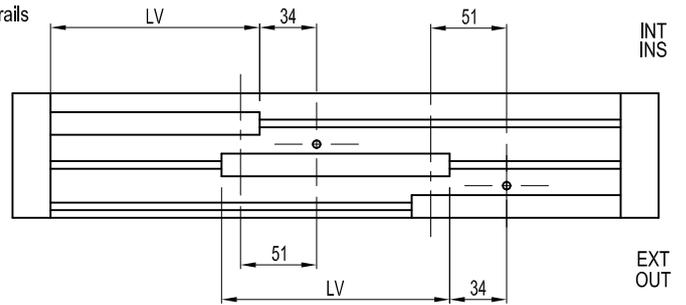
3 vantaux sur 2 rails  
3 vents - 2 rails



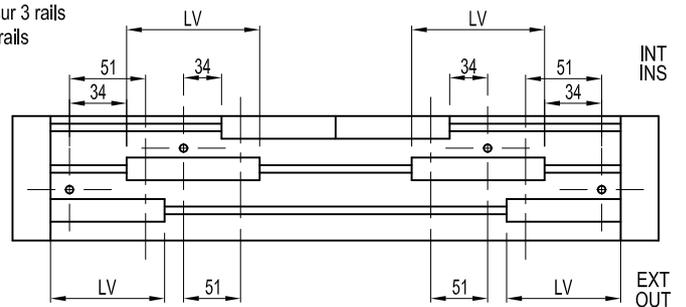
4 vantaux sur 2 rails  
4 vents - 2 rails



3 vantaux sur 3 rails  
3 vents - 3 rails



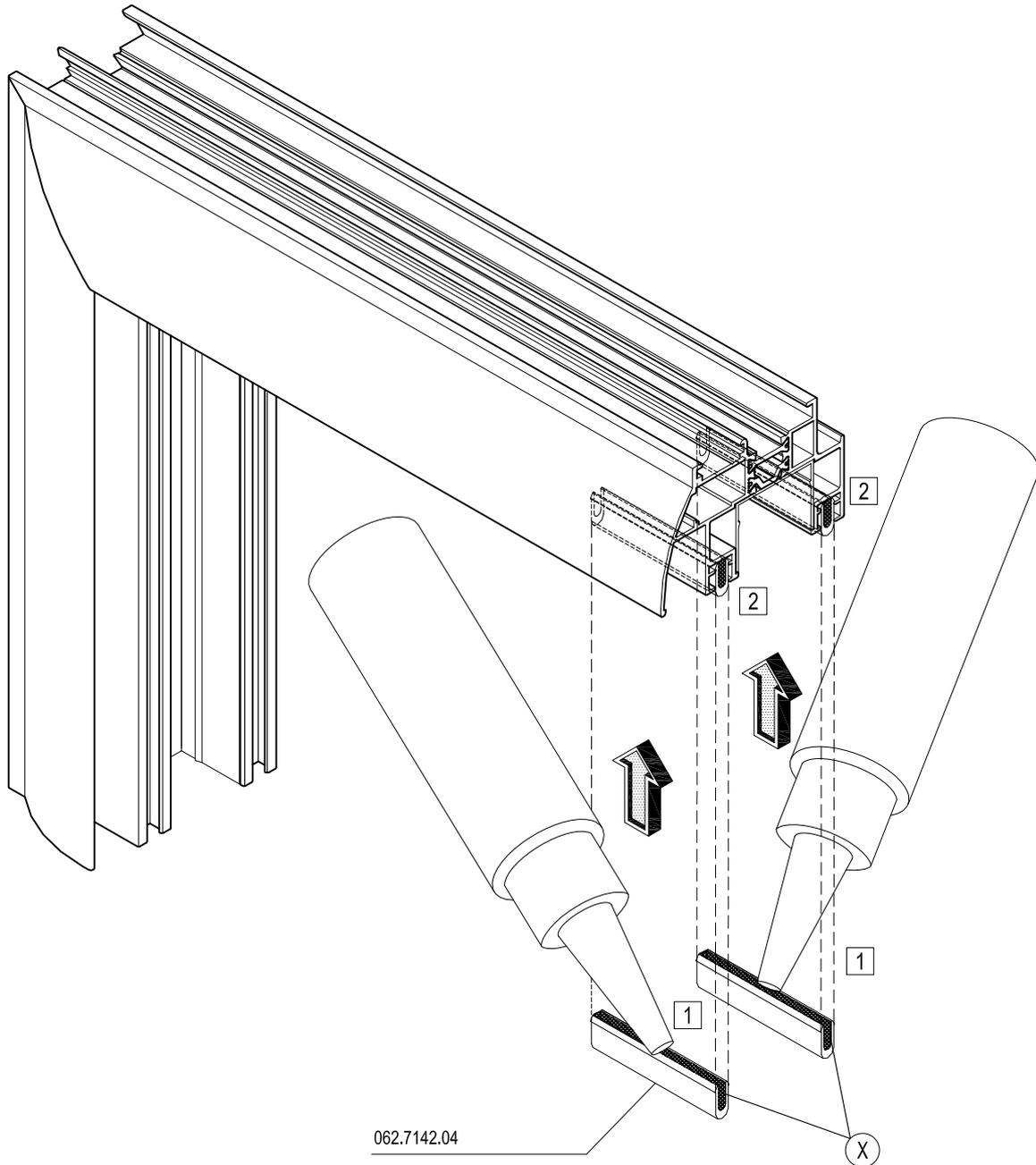
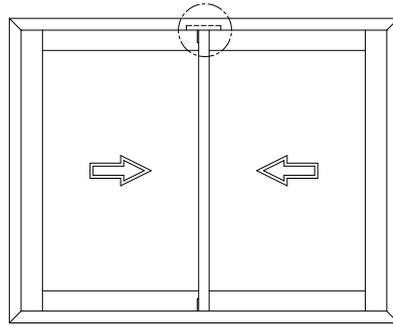
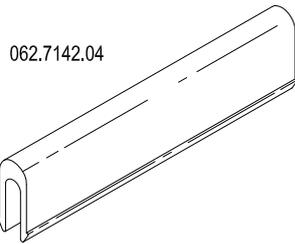
6 vantaux sur 3 rails  
6 vents - 3 rails



escala - échelle  
scale - Maßstab  
1/2



D1000457

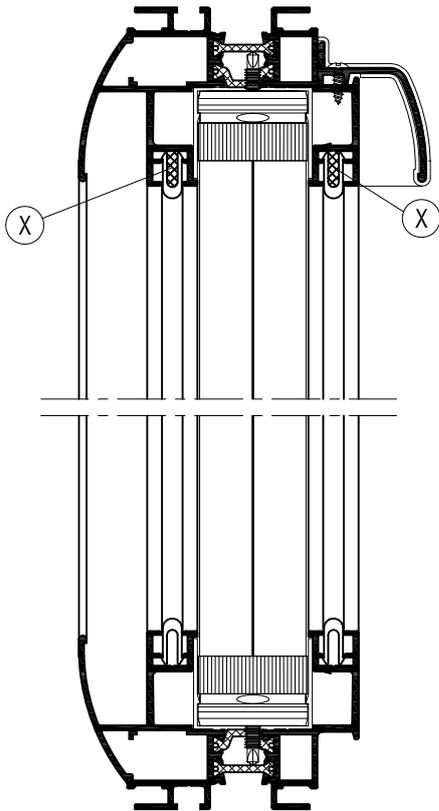


L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
---	---	---	---

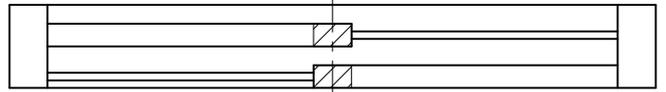


D1000458



2 vantaux sur 2 rails  
2 vents - 2 rails

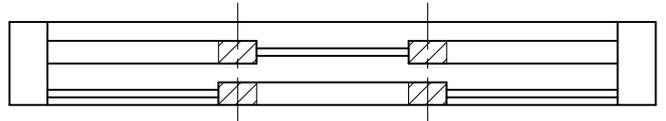
INT  
INS



EXT  
OUT

3 vantaux sur 2 rails  
3 vents - 2 rails

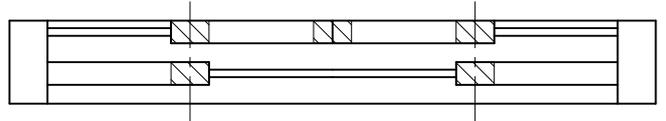
INT  
INS



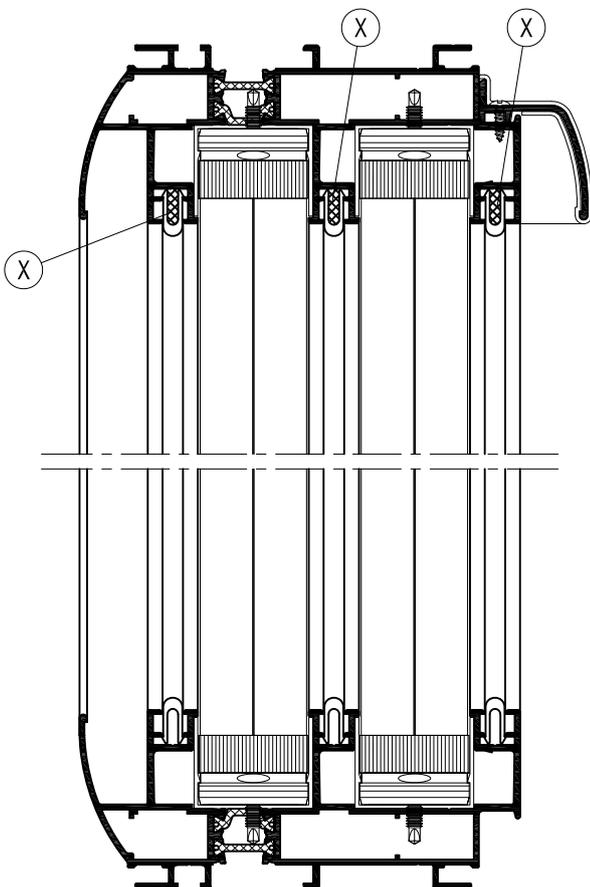
EXT  
OUT

4 vantaux sur 2 rails  
4 vents - 2 rails

INT  
INS

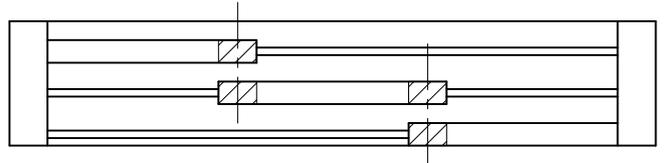


EXT  
OUT



3 vantaux sur 3 rails  
3 vents - 3 rails

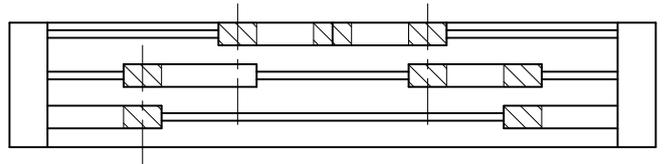
INT  
INS



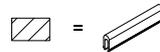
EXT  
OUT

6 vantaux sur 3 rails  
6 vents - 3 rails

INT  
INS



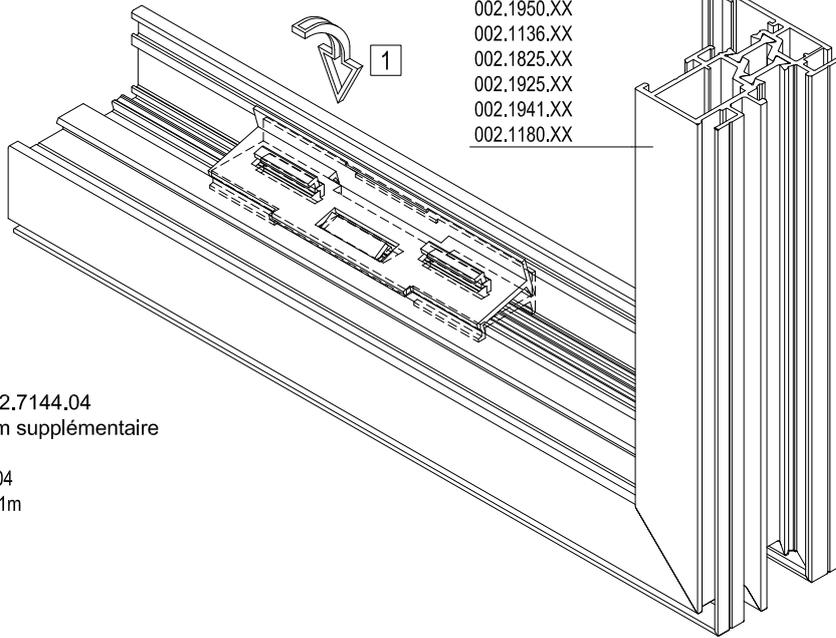
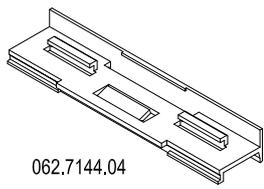
EXT  
OUT



Obturateur de rail 062.7142.04  
Rail closer 062.7142.04

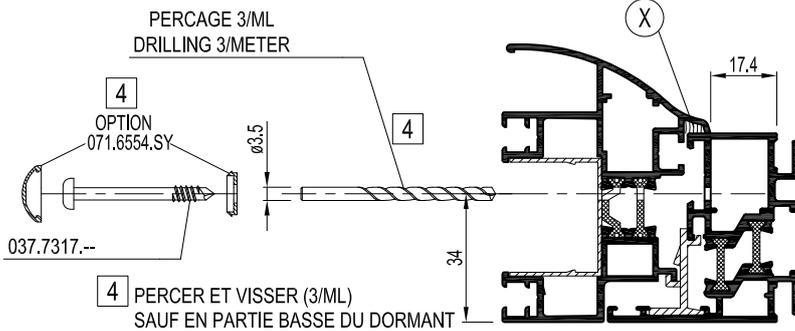


D1000458

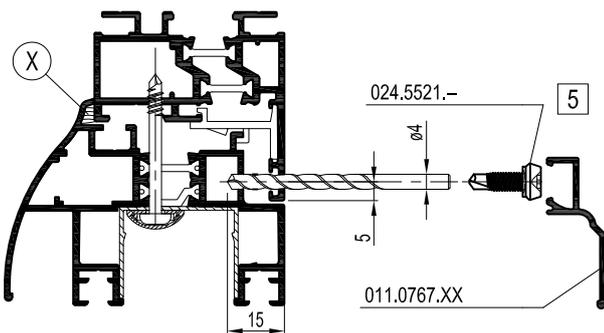
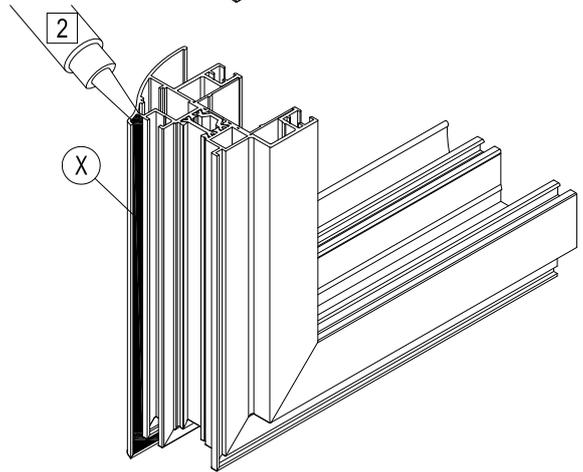


**1** CLIPPER LA PIECE 062.7144.04  
 3/m + 1 tous les 500 mm supplémentaire

CLIP THE PIECE 062.7144.04  
 3/m + 1 each 500mm above 1m

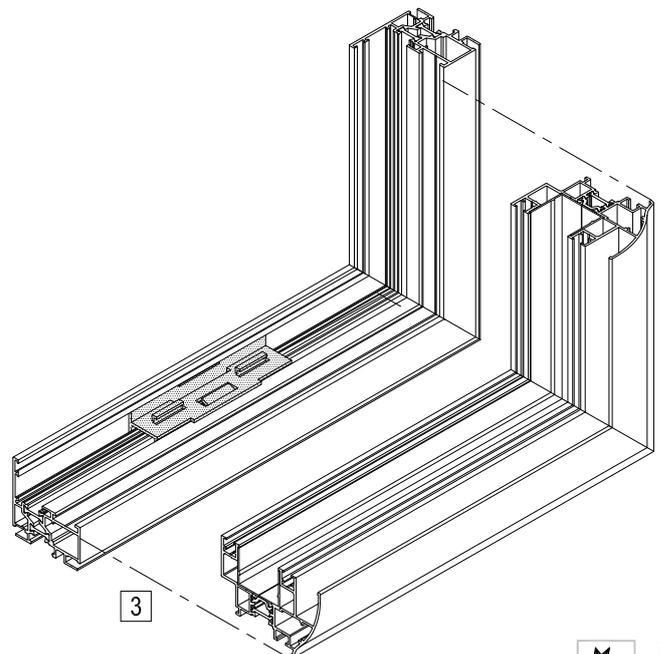


DRILL AND FIX (3/METER)  
 TOP AND SIDE ONLY



**5** PERCER A 15 mm DE PROFONDEUR  
 ET VISSER (3/ML)

DRILL 15 mm DEPTH  
 AND FIX (3/METER)



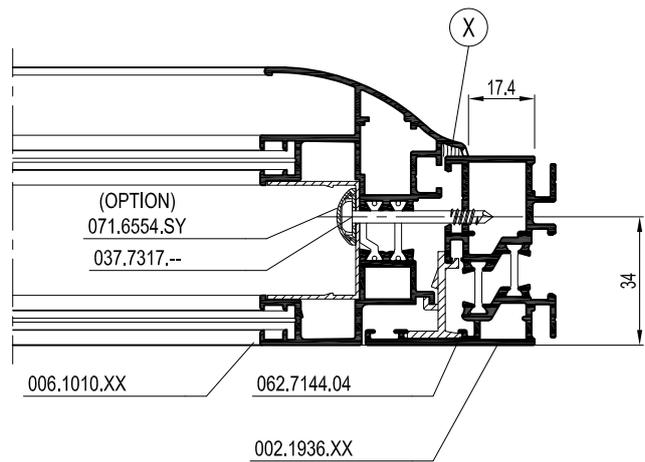
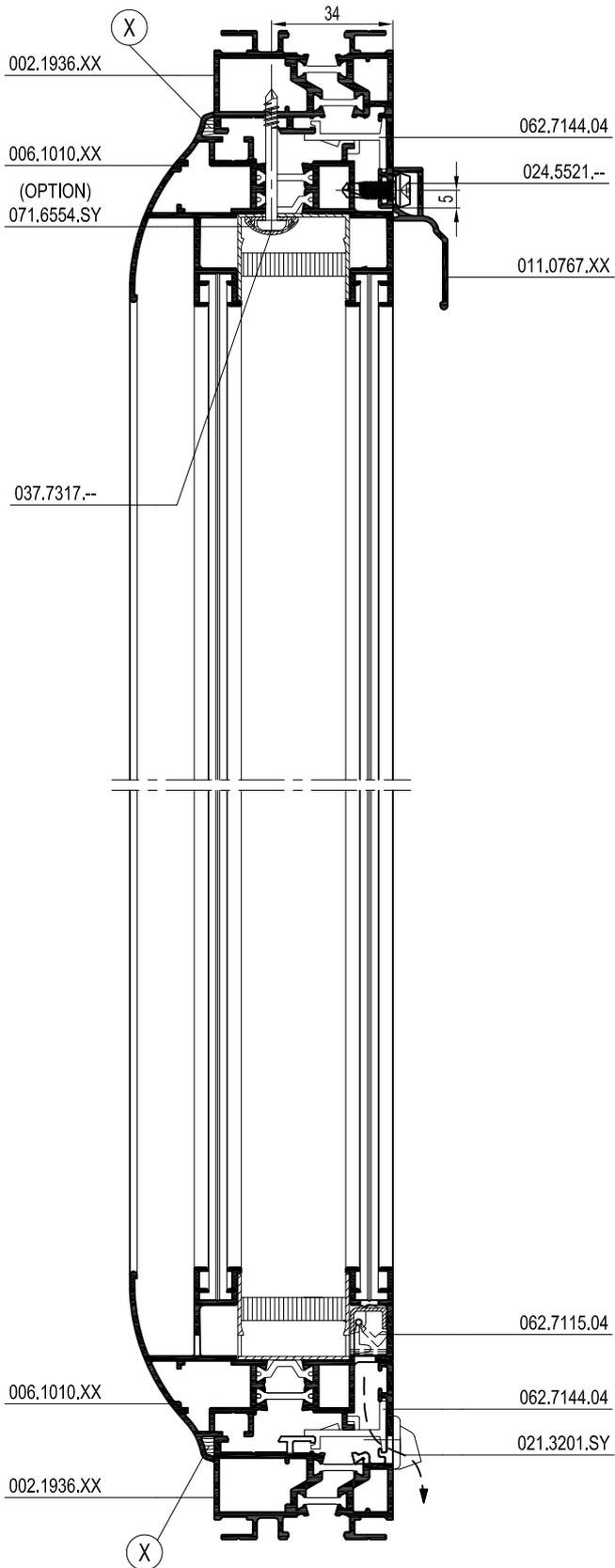
L'ORDRE DE MONTAGE  
 THE ORDER OF ASSEMBLY

1 2 3 .

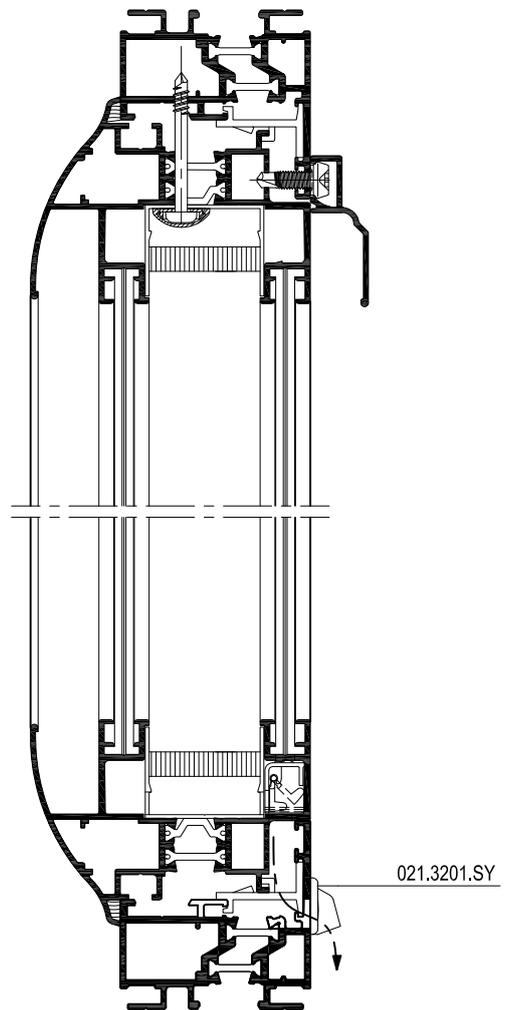
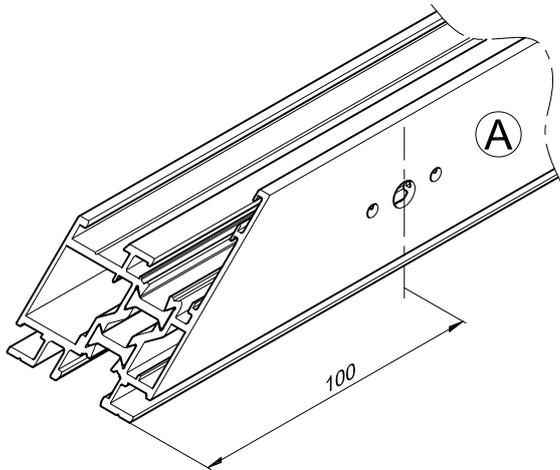
X MATIERE D'ETANCHEITE  
 SEALING AGENT



D1000459

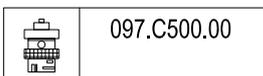


NOMBRE DE LUMIERES EN FONCTION DE B NUMBER OF MULLING IN B	
B	Nombre de lumières Number of drilling
B < 1000	3
1000 < B < 1500	4
1400 < B < 2000	5



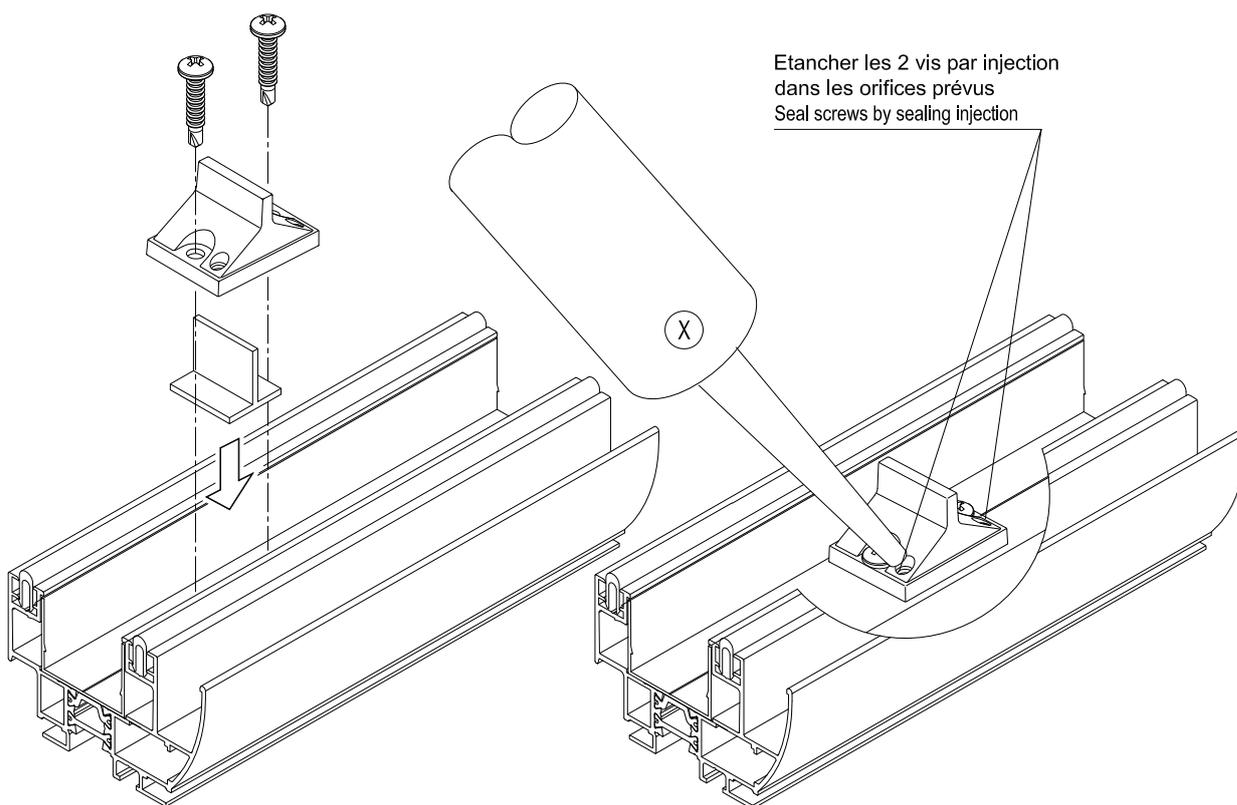
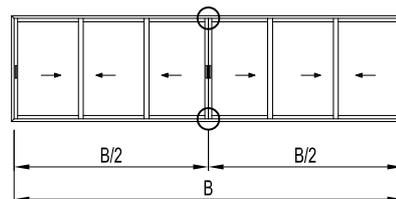
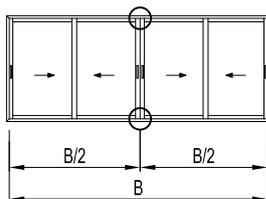
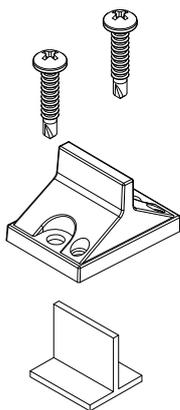
L'ORDRE DE MONTAGE THE ORDER OF ASSEMBLY	1	2	3	.
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OUTILLAGE TS57



D1000460

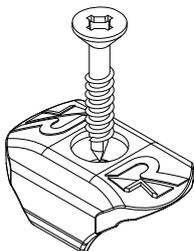
021.5681.SY



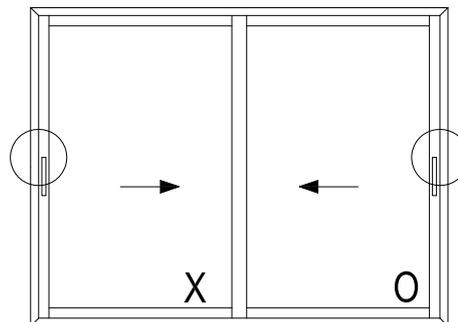
Etancher les 2 vis par injection  
 dans les orifices prévus  
 Seal screws by sealing injection



D1000460

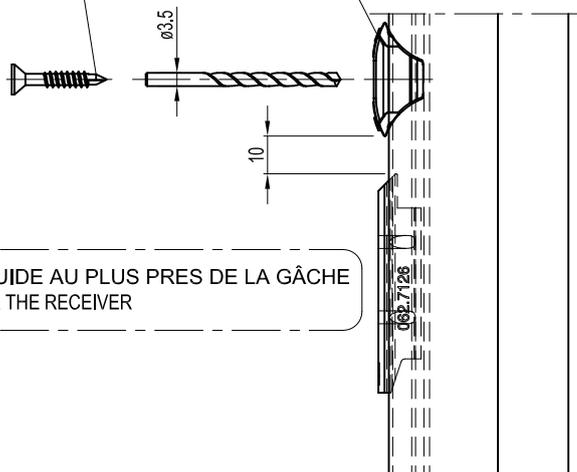


062.7147.SY

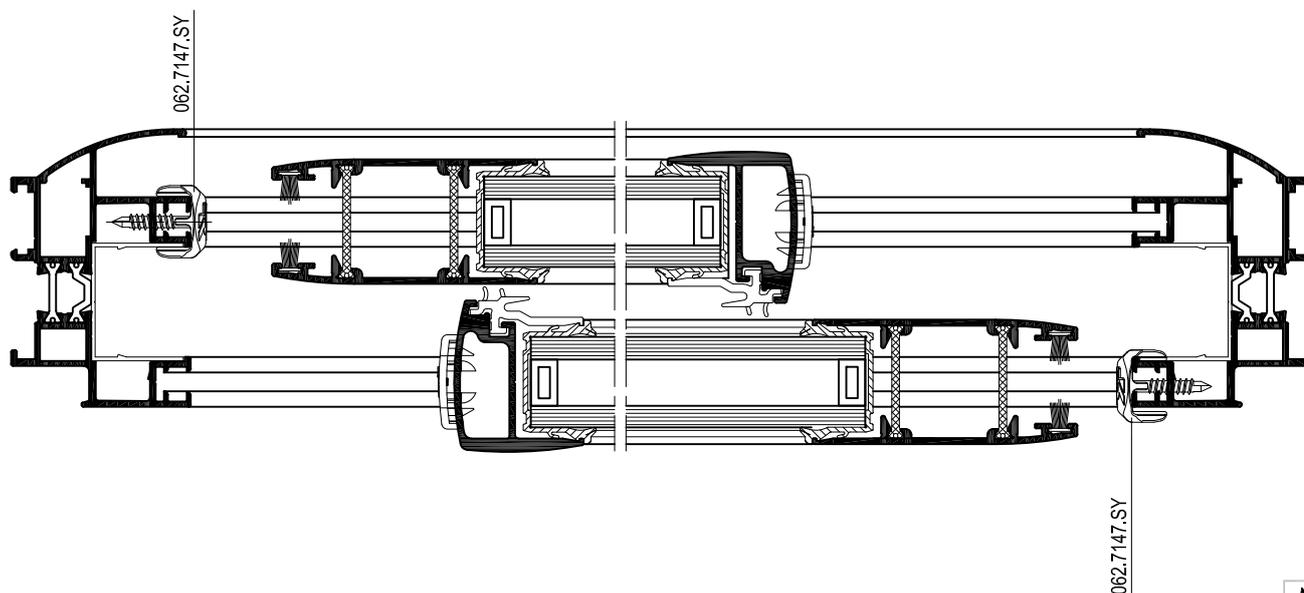


Vis  $\varnothing 4.2 \times 25$

062.7147.SY



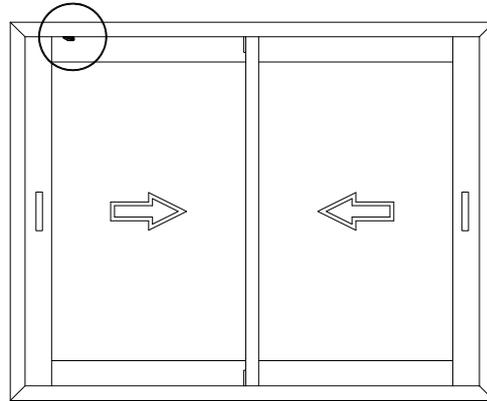
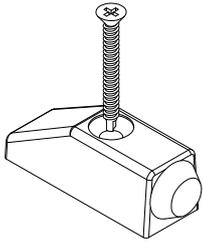
METTRE LE GUIDE AU PLUS PRES DE LA GÂCHE  
PUT GUIDE NEAR THE RECEIVER



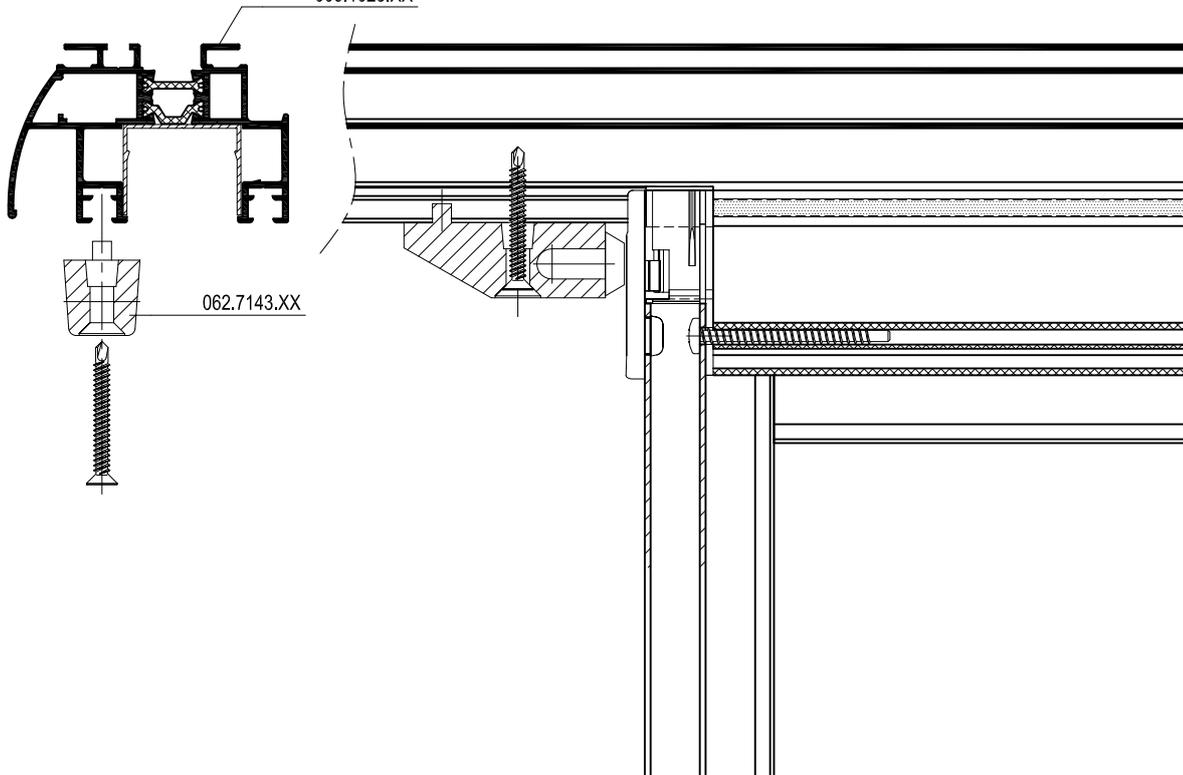
D1000461



062.7143.XX



- 006.1009.XX
- 006.1001.XX
- 006.1007.XX
- 006.1010.XX
- 006.1015.XX
- 006.1016.XX
- 006.1021.XX
- 006.1022.XX
- 006.1023.XX

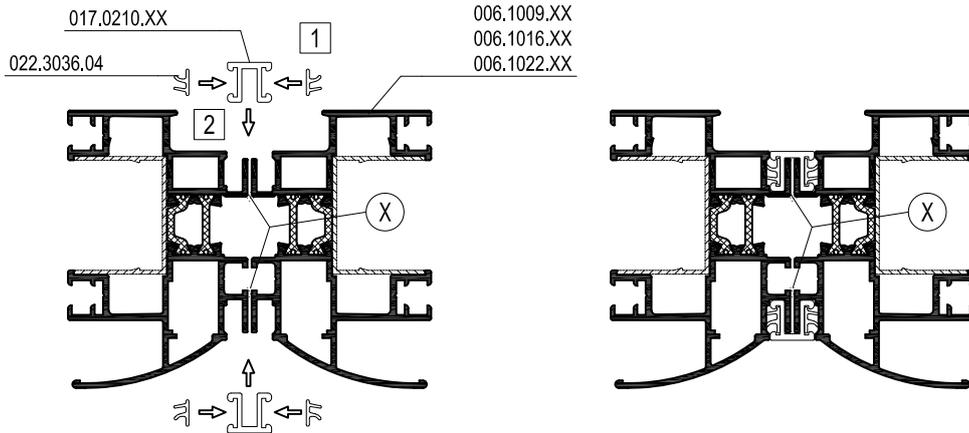


escala - échelle  
scale - Maßstab  
1/2

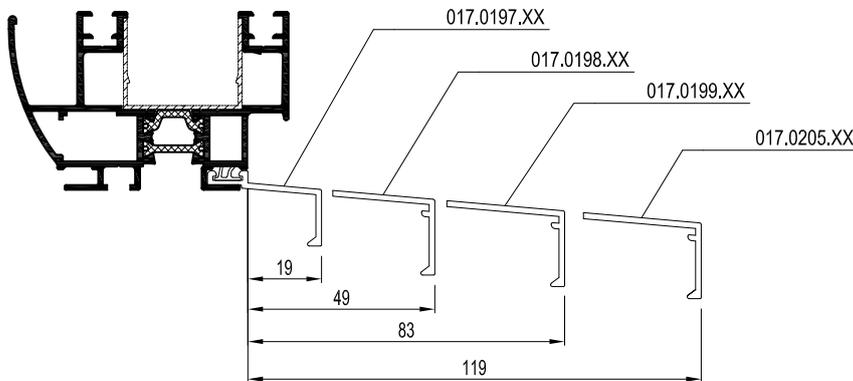


D1000462

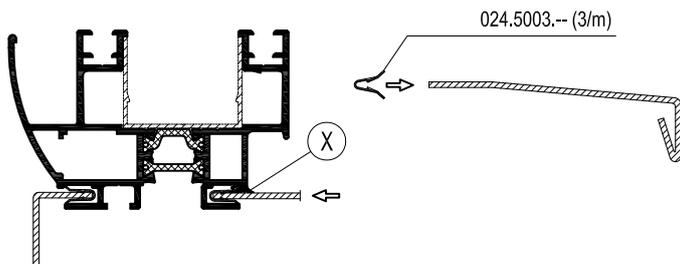
## JONCTION DE DORMANTS / OUTER FRAME CONNECTION



## BAVETTES / SILLS



## TOLES PLIEES / FOLDED SHEETS



Tôle pliée ép. 1.5mm  
 Folded sheet 1.5mm

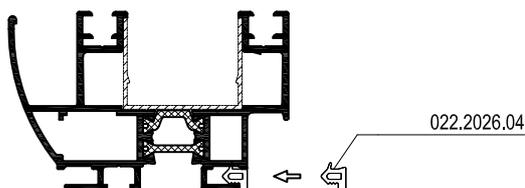
**\* NOTE**

Etancher les liaisons profilés de jonction et bavettes par l'application de mastic élastomère 1ère catégorie (SNJF)

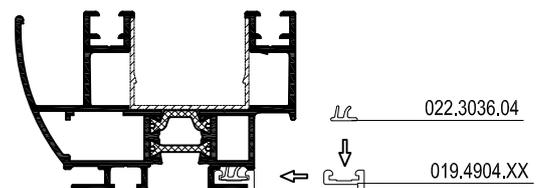
**\* NOTE**

Seal profile connections and sills by means of sealing agent.

## JOINT DE PROTECTION PROTECTION GASKET



## CLIP CACHE-GORGE CHANNEL CAP

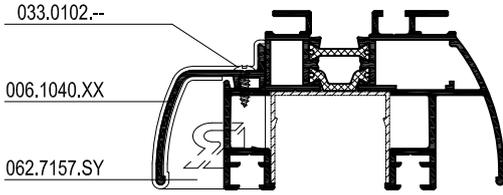


(X) MATIERE D'ETANCHEITE  
 SEALING AGENT

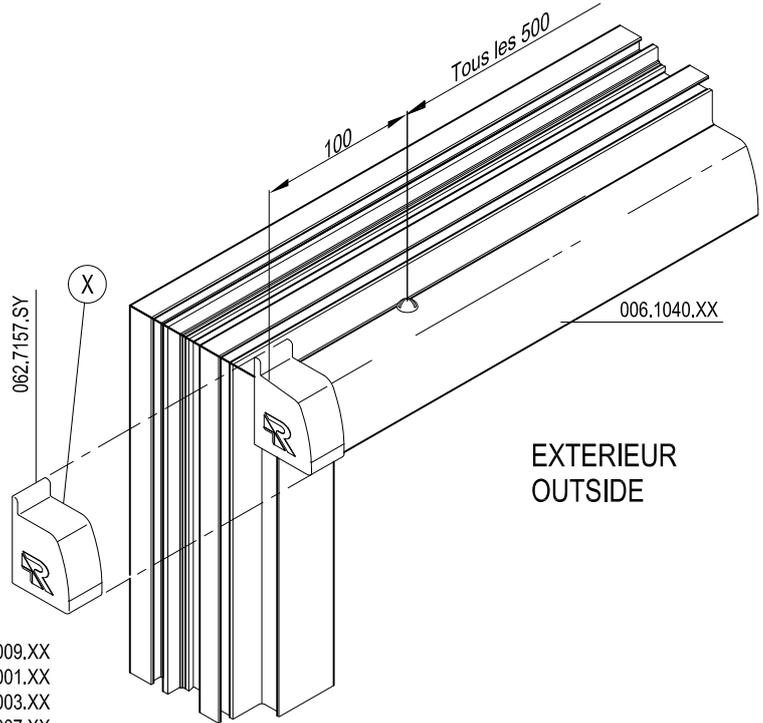
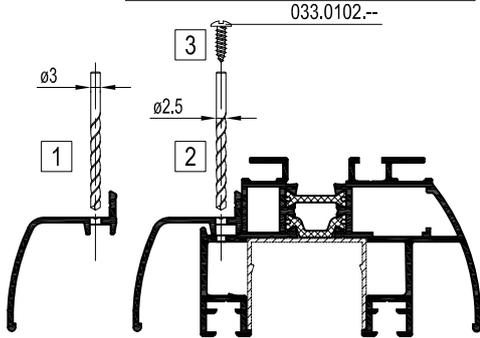
escala - échelle  
 scale - Maßstab  
 1/2



Montage dissimulé  
Hidden assembly

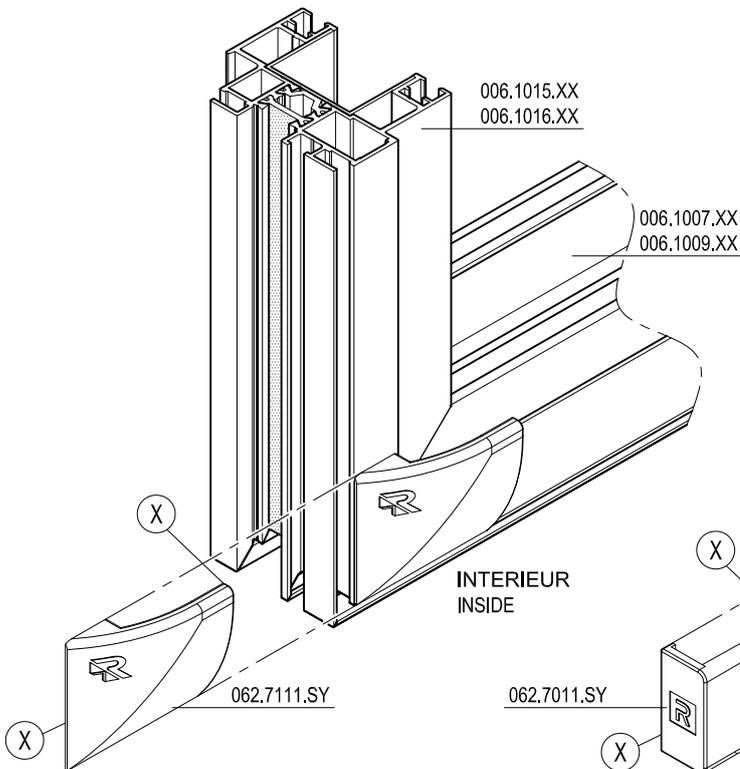


Percer le rejet d'eau au diamètre 3 mm  
Drill 006.1040.XX Ø3 at first

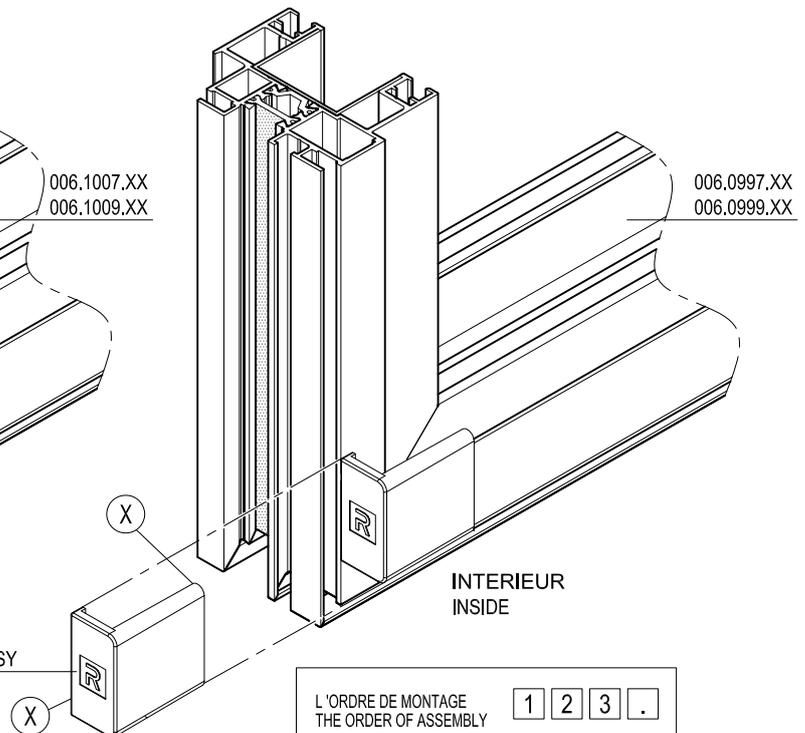


EXTERIEUR  
OUTSIDE

- 006.1009.XX
- 006.1001.XX
- 006.1003.XX
- 006.1007.XX
- 006.1015.XX
- 006.1021.XX
- 006.1023.XX



INTERIEUR  
INSIDE



INTERIEUR  
INSIDE

L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

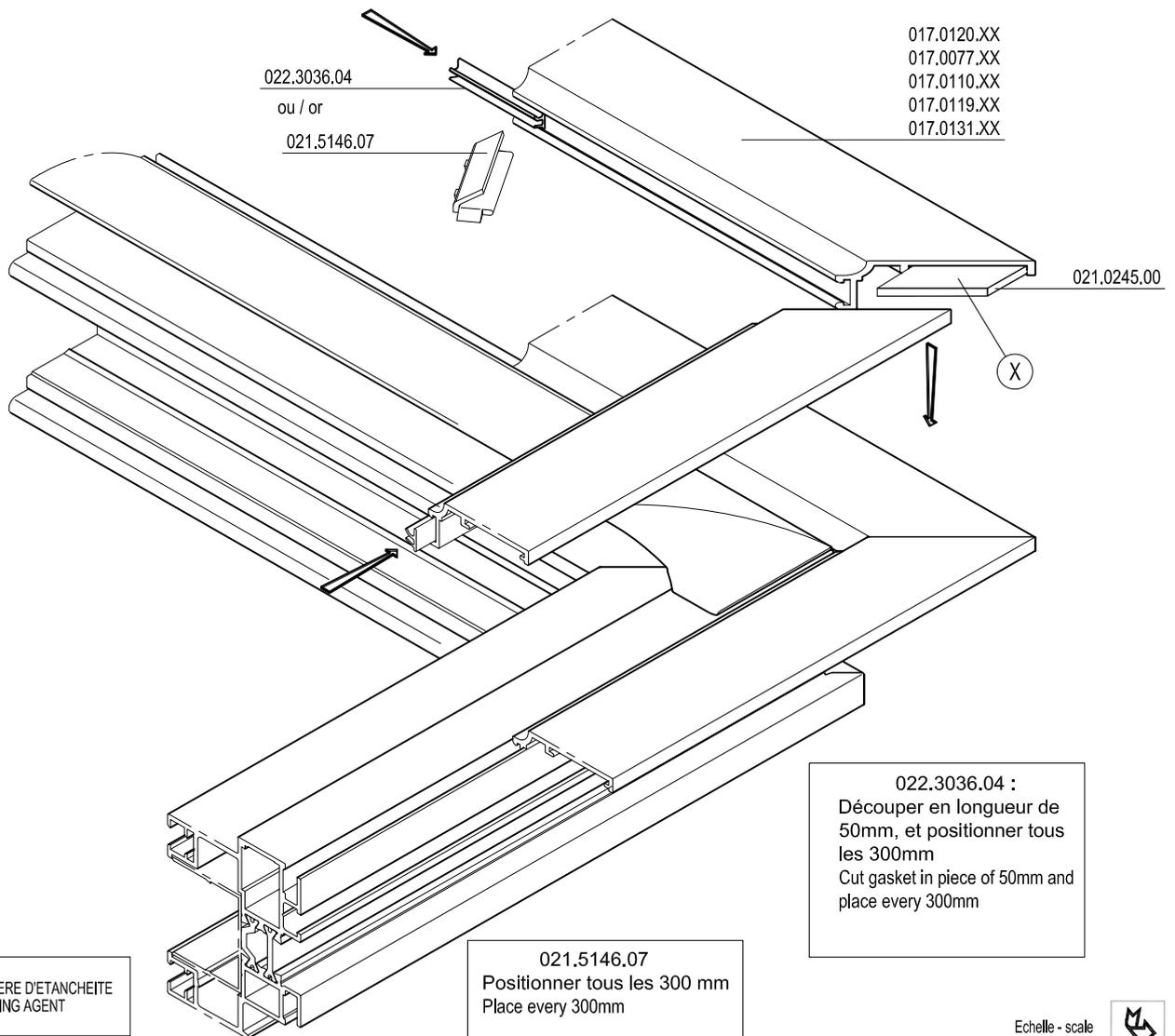
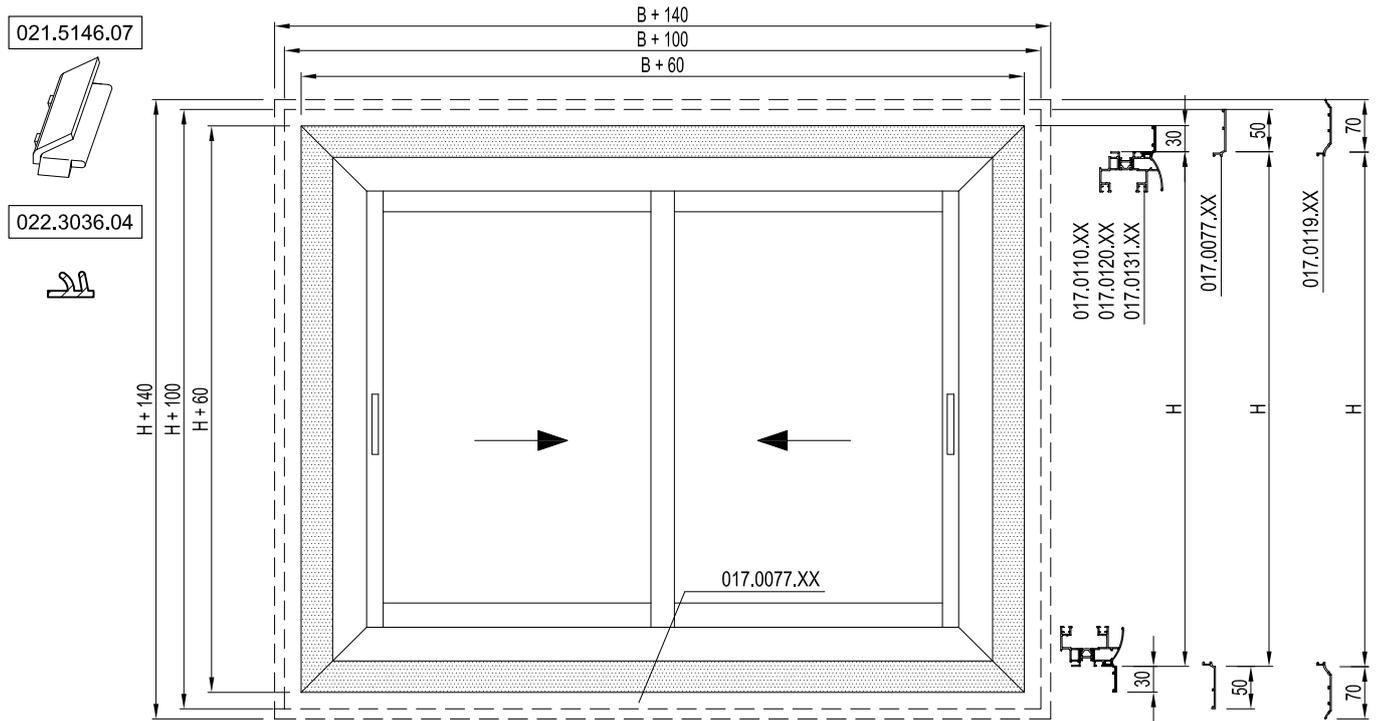
1	2	3	.
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(X) MATIERE D'ETANCHEITE  
SEALING AGENT

Echelle - scale  
1/2



D1000463

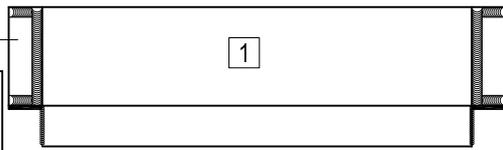


(X) MATIERE D'ETANCHEITE  
SEALING AGENT

Echelle - scale  
1/2



006.2085.XX



1

Raccord  
Joint

⚠ Se reporter au DTU pour le calage du vitrage.



Placer la cale au droit des galets  
Place the glazing support at right  
the rollers

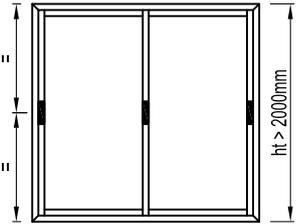
Les cales ne doivent pas obturer  
les trous de drainage  
The glazing support do not close  
the drainage

X

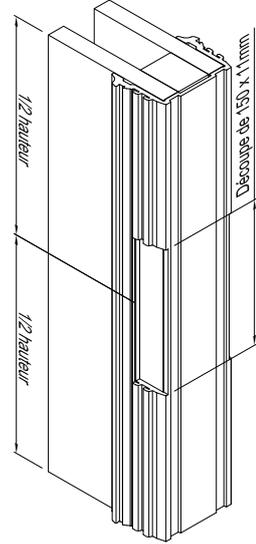
2

2

⚠ Collage des montants latéraux et centraux si Ht > 2m  
Gluing central and side vent if Hv > 2m



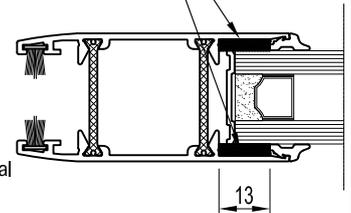
Ht > 2000mm



Les indications de collage sont valables pour tous les ouvrants latéraux et centraux.  
Le collage est préconisé pour toutes les épaisseurs de vitrage.  
Gluing advertisement only for central and side vent for all tickness glass

Collage par cordon de silicone  
Gluing by silicone

Le silicone doit être compatible entre les différents supports.  
Sa nature doit être neutre ou acétique.  
Silicon must be compatible with different support (neutral or acetic)

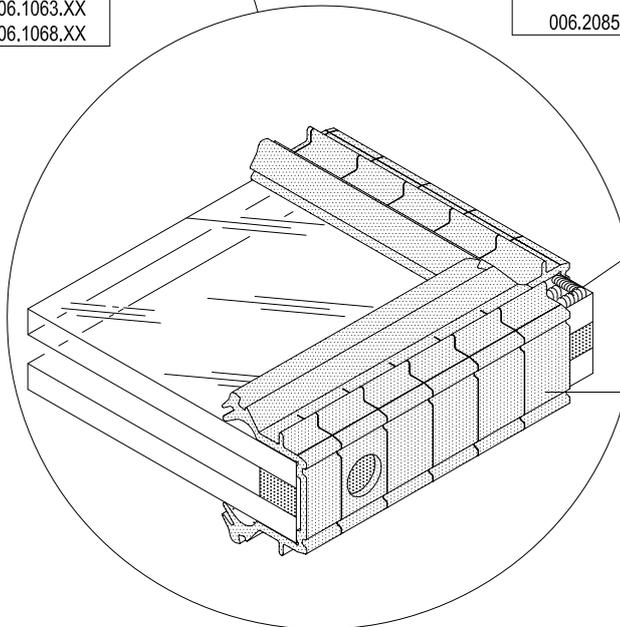


13

006.1061.XX  
006.1062.XX  
006.1063.XX  
006.1068.XX

006.2085.XX

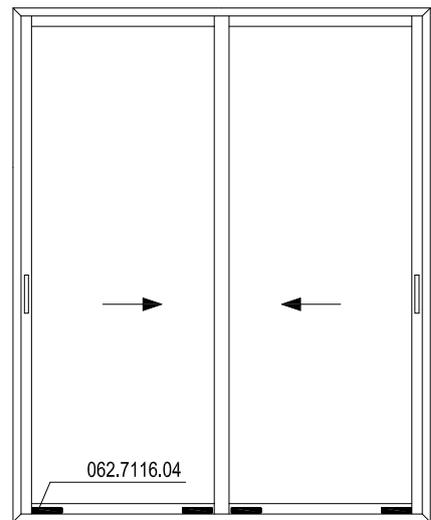
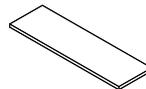
006.1064.XX  
006.1065.XX  
006.1066.XX  
006.1067.XX



X

080.9020.SY  
080.9021.04  
080.9022.SY

062.7116.04



062.7116.04

Joint tournant prédécoupé et prépercé (Ø8 / 200mm)  
Continuous gasket precut and prepunched (Ø8 / 200mm)

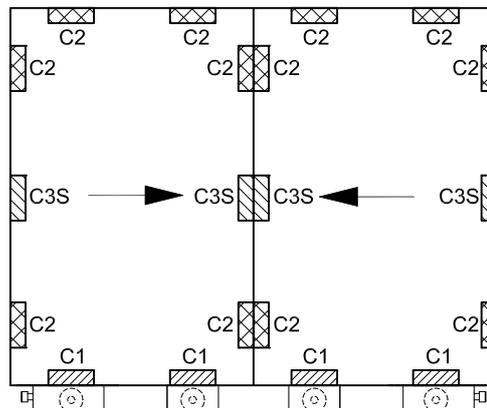
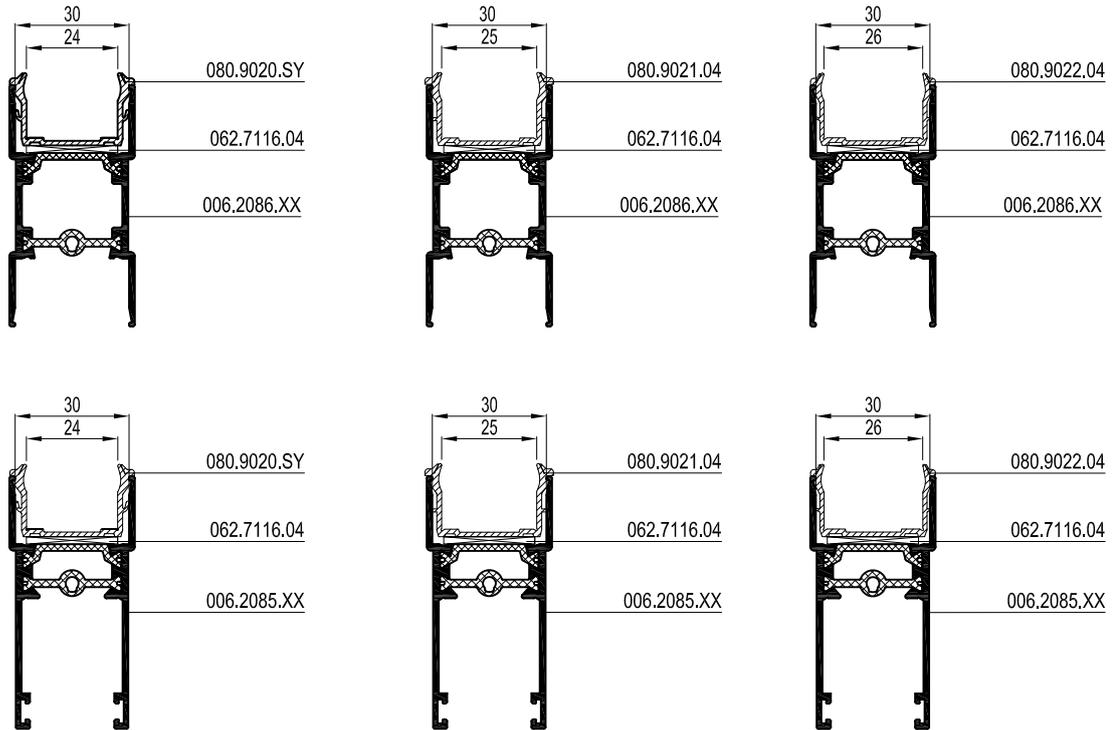
X MATIERE D'ETANCHEITE  
SEALING AGENT

L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
---	---	---	---

Echelle - scale  
1/2





Les cales ne doivent pas obturer les trous de drainage  
The glazing support do not close the drainage



Placer la cale au droit des galets  
Place the glazing support at right the rollers



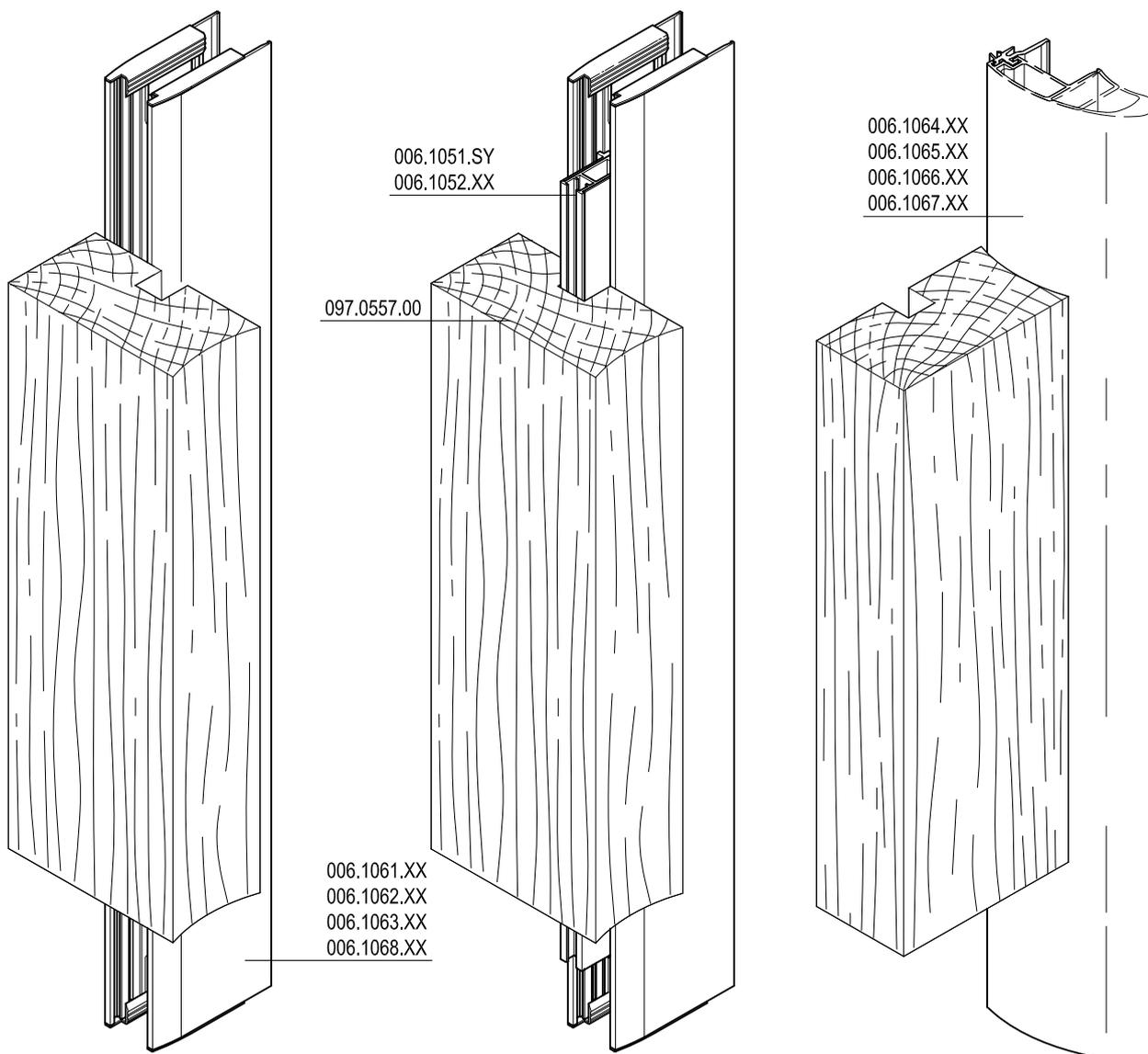
Placer les cales périphériques avec un léger serrage entre le vitrage et le châssis  
Place the peripheral support with light grip between the glazing and frame



Placer les cales de solidarisation à mi-distance de la portée susceptible de se déformer  
Place the peripheral support with light grip between the glazing and frame

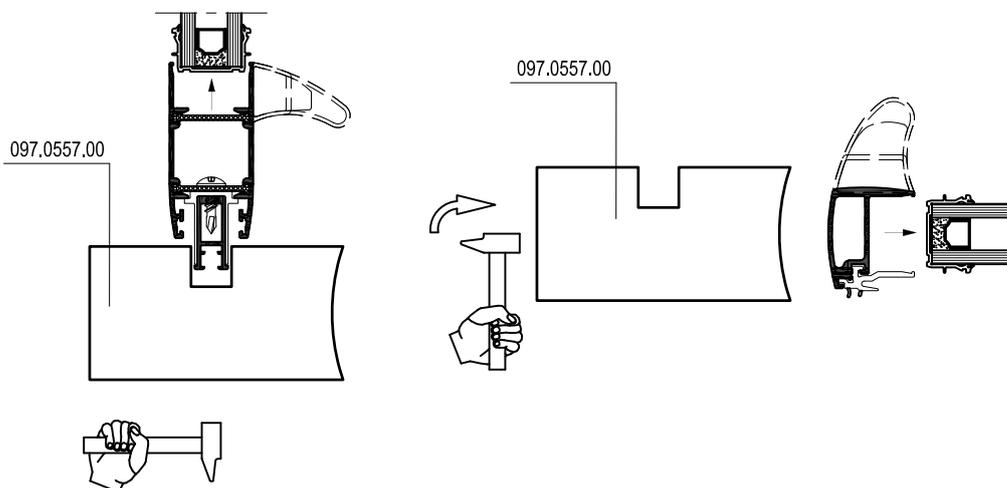
Se reporter au DTU 39 P1-1 pour la mise en oeuvre du calage de vitrage





IL EST RECOMMANDE POUR PLUS D'AISANCE DE  
MONTER L'ENSEMBLE JOINT+VITRAGE SUR LA  
CHICANE AVEC LA PARCLOSE ORIENTEE VERS LE  
BAS COMME LE DESSIN CI-DESSOUS

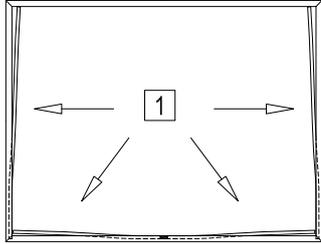
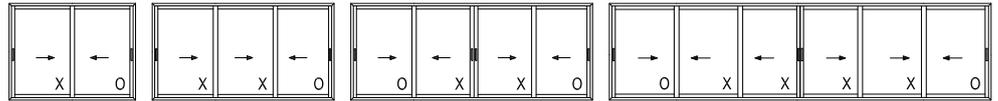
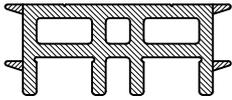
IT'S RECOMMENDED FOR MOST ASSEMBLY EASINESS  
TO GASKET & GLAZING ON THE MEETING SECTION  
WITH GLAZING BEAD IN POSITION ON DOWN SEE THE  
DRAWING ON DOWN



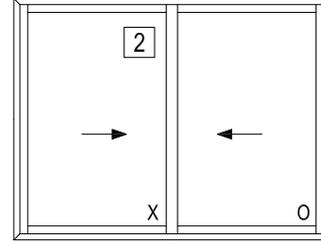
D1000465



029.5623.SY



Mise en place des joints sur 3 côtés du cadre dormant.  
Put gasket in place on 3 sides



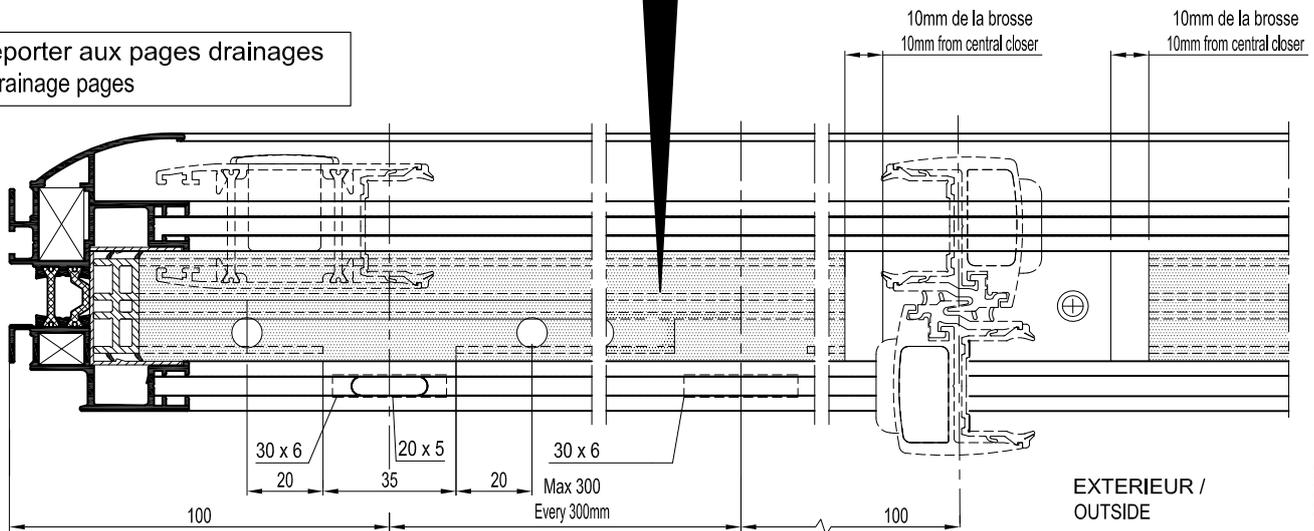
Mise en place des vantaux, puis de l'étanchéité haute  
Install vents and top central closer

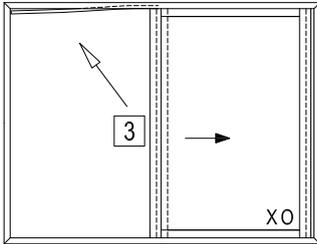
COTE EXTERIEUR / OUTSIDE

Découper seulement la 1ère lèvre (cutter) sur une longueur de 35mm, au droit de chaque drainage et poinçonner au Ø8mm sur l'axe de la rainure. Aucun perçage ne doit être en face de la découpe de la lèvre.  
Cut only the first lip 35mm in length right in front of every drainage profile. Punch Ø8 at least 20mm from horizontal drainage.

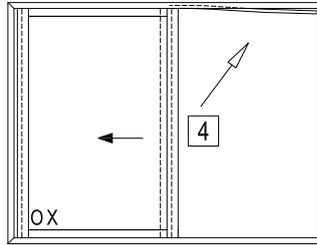
Faire 3 perçages Ø8 mm dans le bouclier thermique pour 1 drainage 30 x 6 mm dans le dormant  
For each drainage 30x6 process for 3 holes Ø8

Se reporter aux pages drainages  
See drainage pages





Repousser en totalité le vantail de service pour mise en place du joint supérieur.  
Open primary vent in totality and put in place top HI gasket.

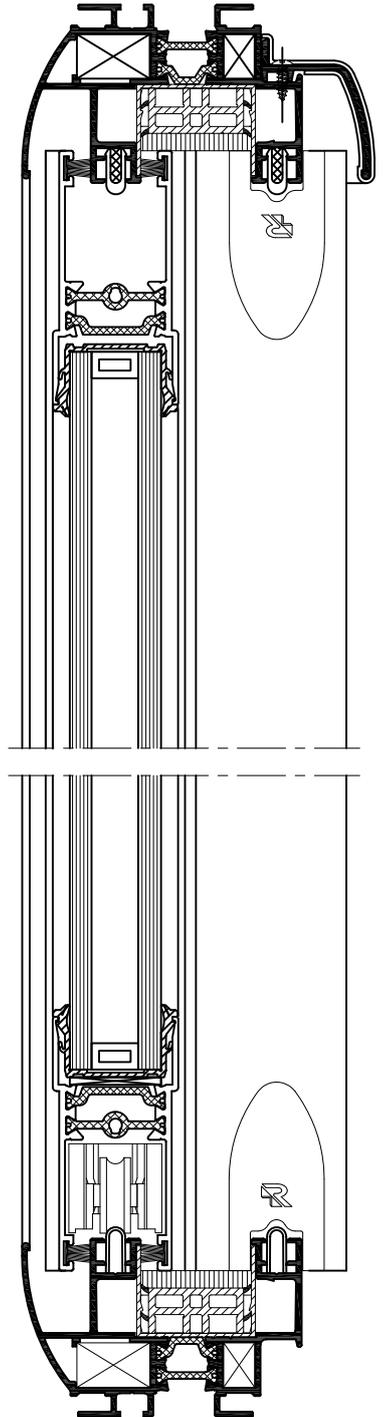
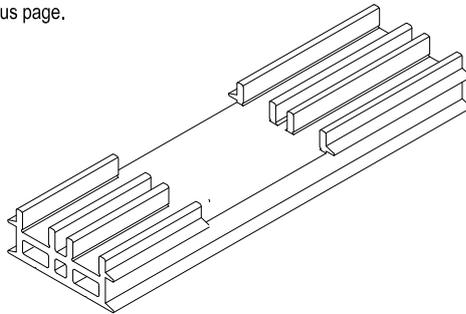


Nota : Dans le cas d'une intervention après pose du châssis, monter la totalité des joints suivant le principe des étapes 3 et 4, sans démonter les vantaux.  
In case of existing frame, just put in place like steps 3 and 4, without removing vents.

Repousser en totalité le vantail secondaire pour mise en place du joint supérieur  
Open secondary vent in totality and put in place the second part of the top HI gasket

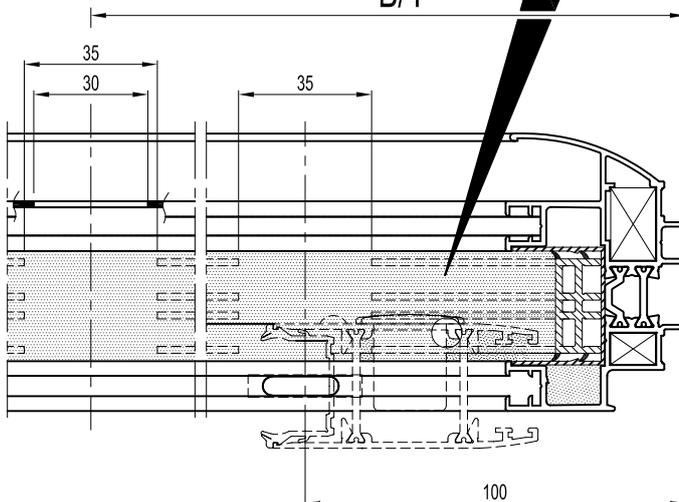
COTE INTERIEUR / INSIDE

Découper toutes les lèvres sur une longueur de 35 mm au droit des drainages, et percer au diamètre 8 mm  
Cut all lips 35mm in length right in front of every drainage profile.  
Punch Ø8 like previous page.



INTERIEUR / INSIDE

B/4

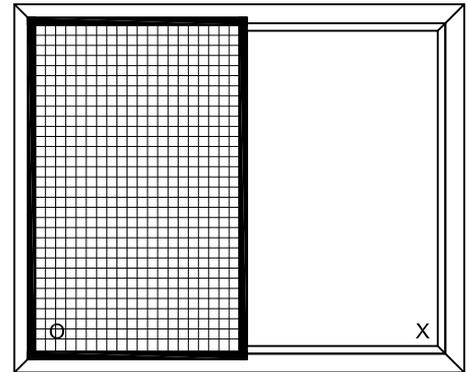
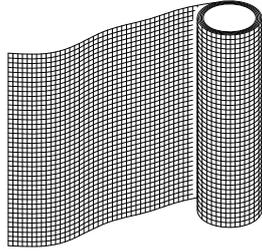
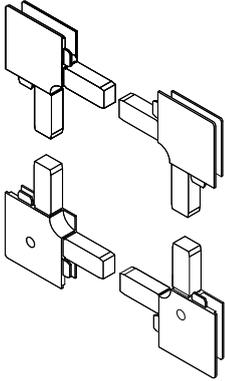


037.5615.SY

077.7011.04 120cm / 30m

077.7012.04 150cm / 30m

VUE INTERIEURE / INSIDE VIEW



049.5110.XX

037.5616.04

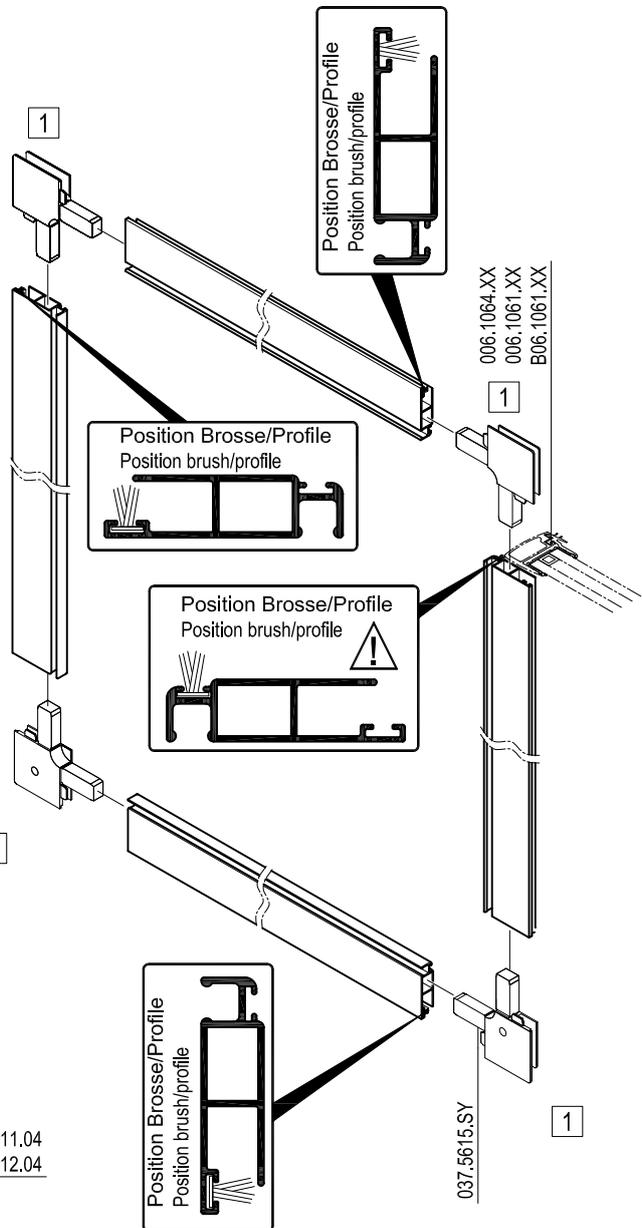
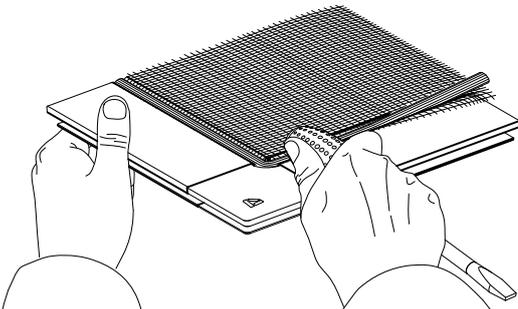
Utilisable seulement avec les montants centraux  
Use only with central vents  
006.1061.XX B06.1061.XX 006.1064.XX



037.5617.04

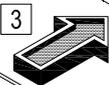


Enfoncer le joint dans la gorge, à l'aide d'une main de levage ou du manche d'un outil  
Place the gasket in the channel by using a tool handle



1

077.7011.04  
077.7012.04

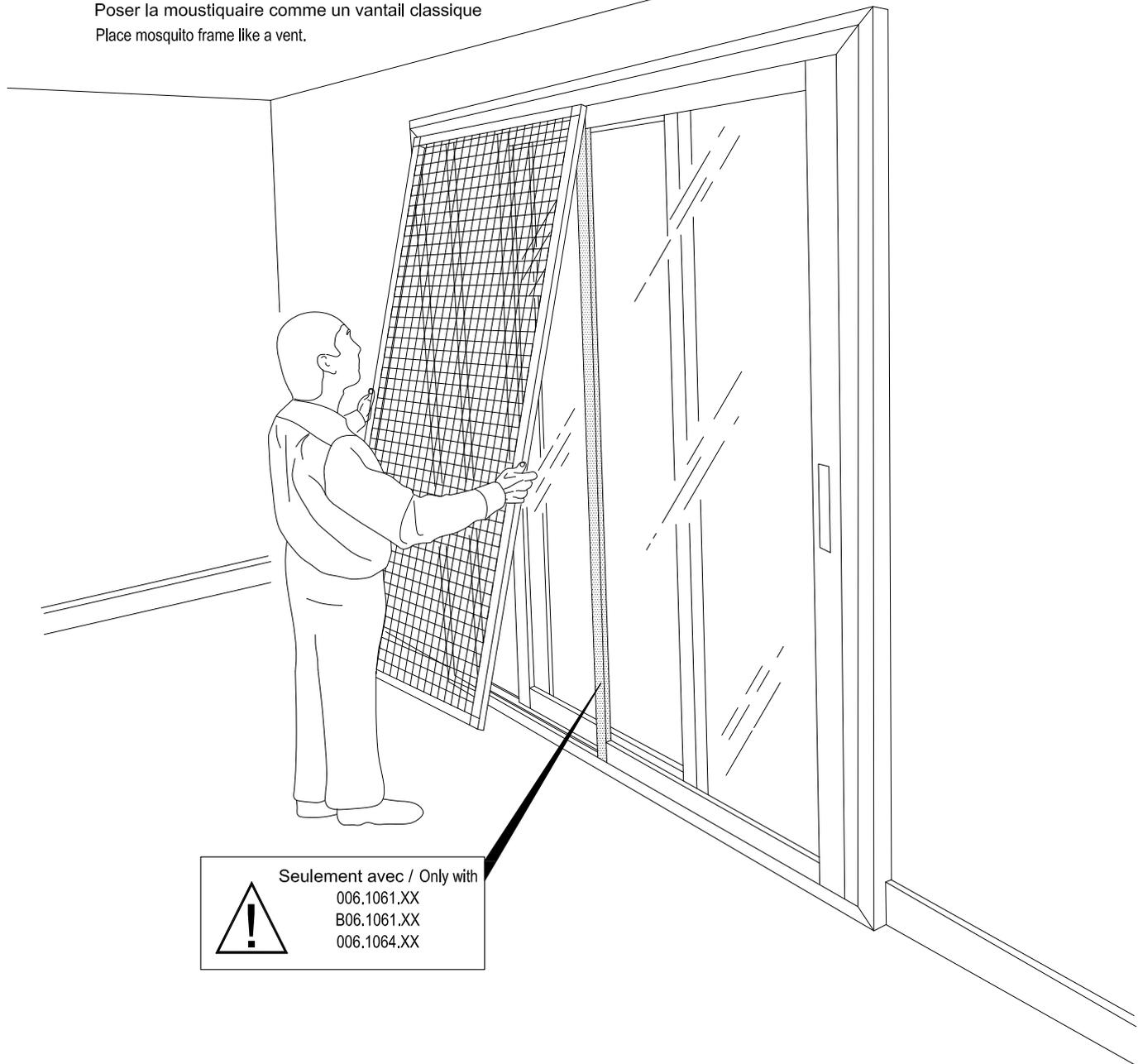


037.5617.04

L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1 2 3 .

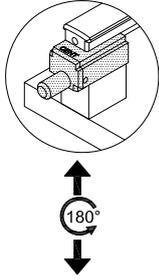
Poser la moustiquaire comme un vantail classique  
Place mosquito frame like a vent.



 Seulement avec / Only with  
006.1061.XX  
B06.1061.XX  
006.1064.XX

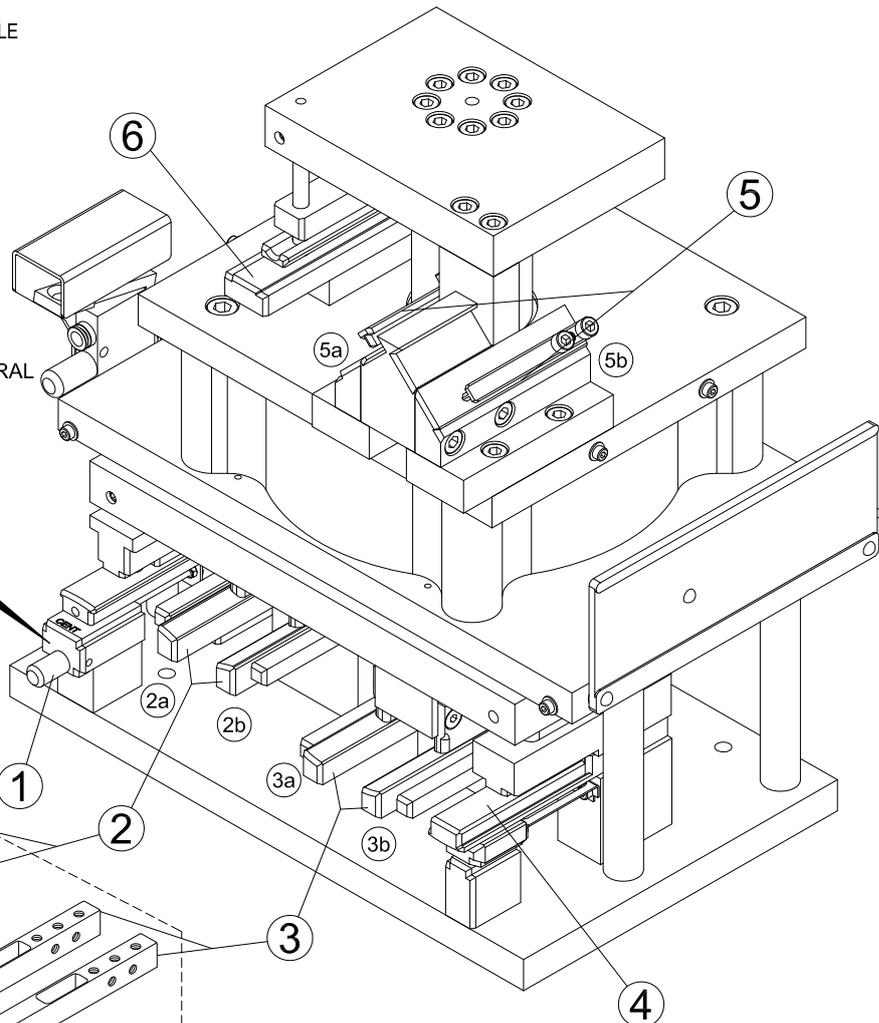
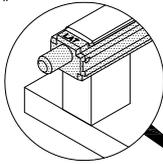
**POSITION POUR PROFILÉ CENTRAL**

Avoir en visuel l'abréviation "CENT"  
POSITION FOR CENTRAL VENT PROFILE  
Visual check "CENT" before proceed.

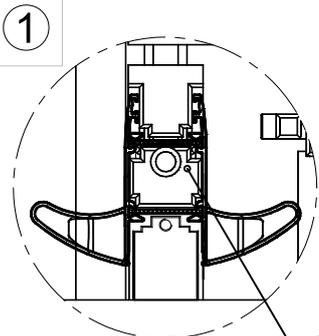
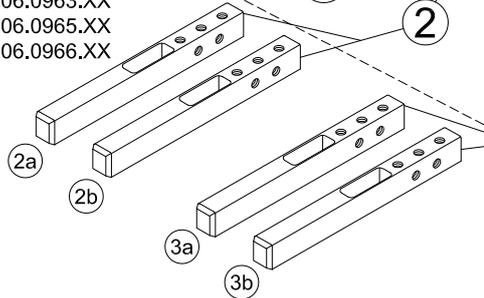


**POSITION POUR PROFILÉ LATÉRAL**

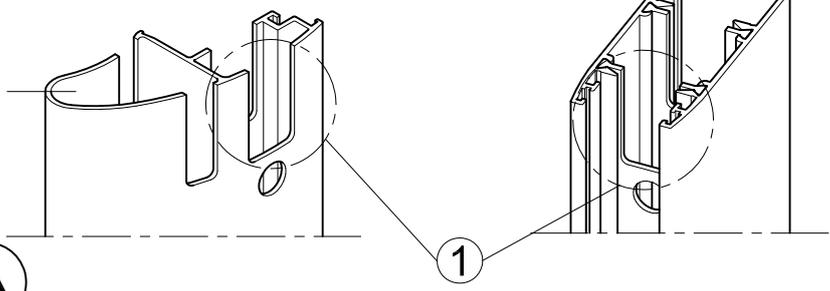
Avoir en visuel l'abréviation "LAT"  
POSITION FOR SIDE VENT PROFILE  
Visual check "LAT"



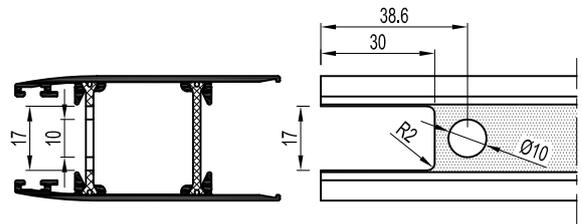
- 097.J821.00  
SEULEMENT/ONLY  
006.0962.XX  
006.0963.XX  
006.0965.XX  
006.0966.XX



**ATTENTION AVEC LA POSITION DE LA FOURCHETTE**  
**LOOK OUT THE BRACKET POSITION**



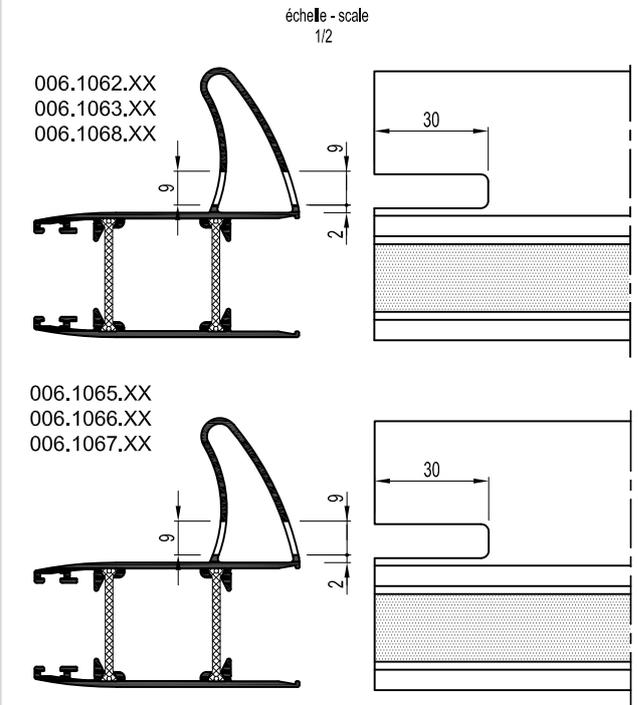
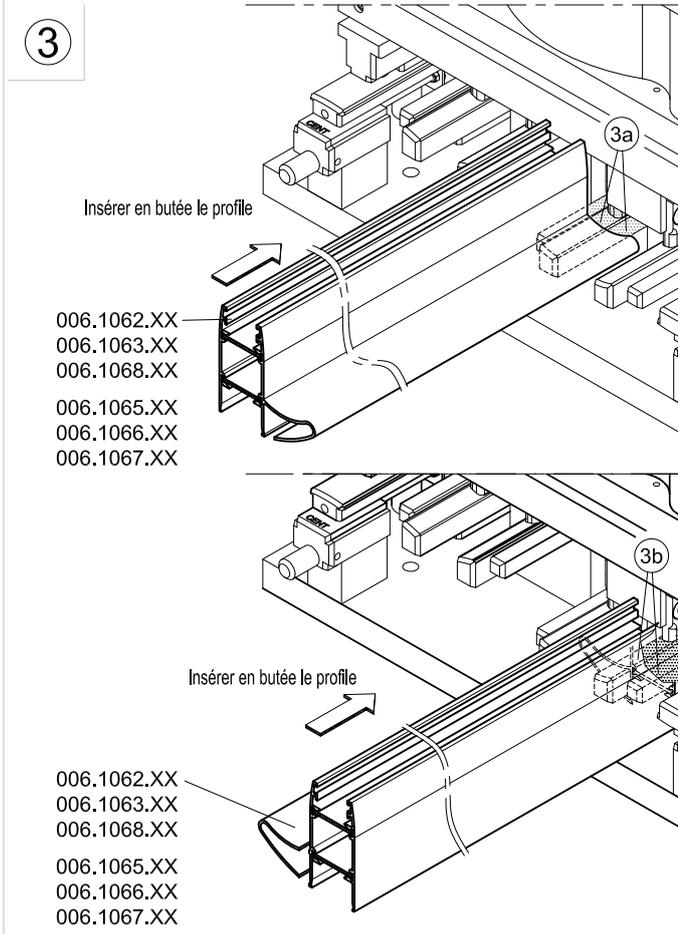
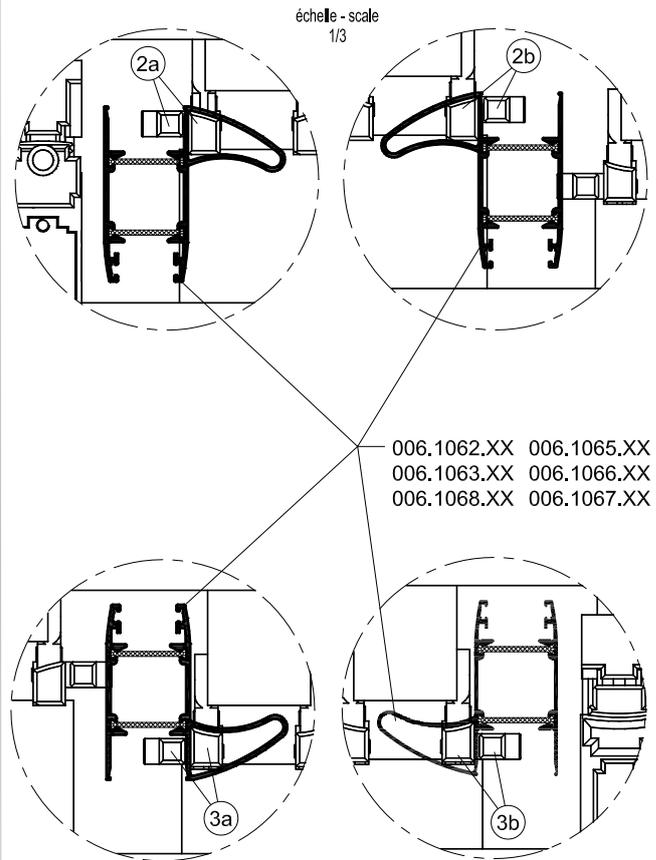
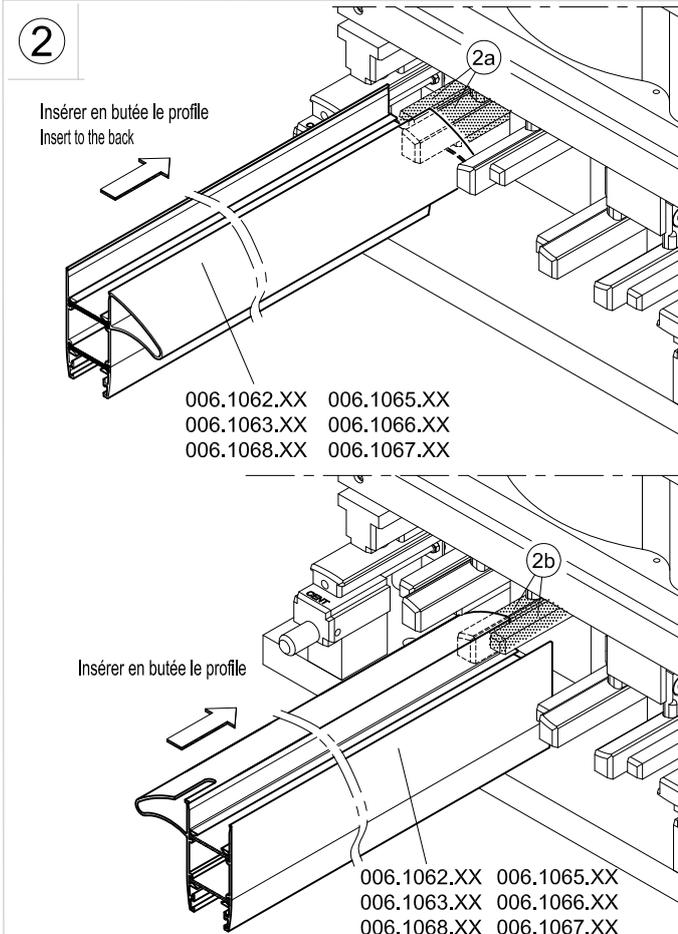
- 006.1061.XX - 006.1062.XX - 006.1063.XX - 006.1064.XX  
006.1065.XX - 006.1066.XX - 006.1067.XX - 006.1068.XX



escala - échelle  
scale - Maßstab  
1/2



D1000466



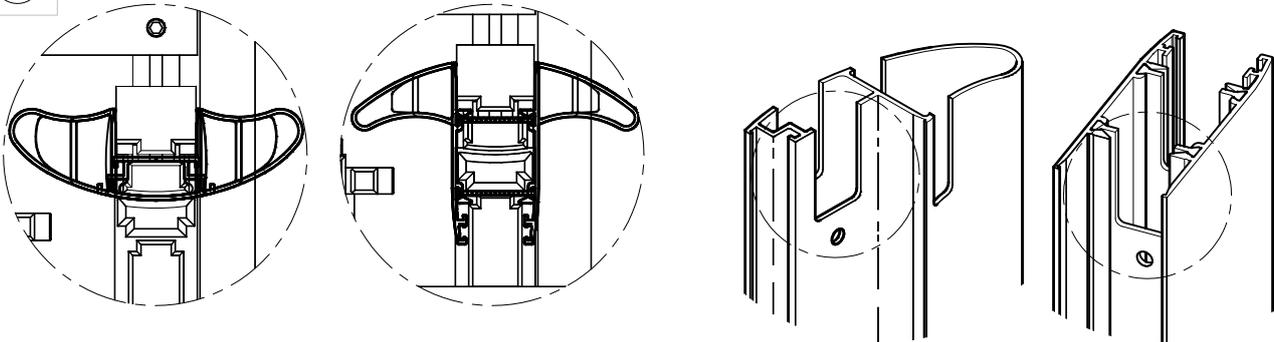
**ATTENTION/CAUTION:**

UTILISER 097.J821.00 POUR LES PROFILÉS :  
USE 097.J821.00 FOR PROFILES :

006.0962.XX 006.0963.XX 006.0965.XX 006.0966.XX

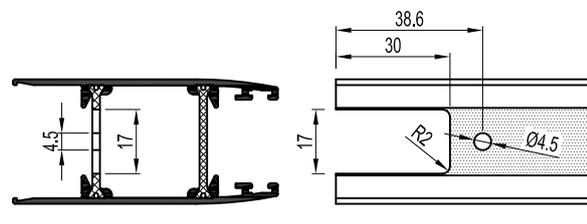
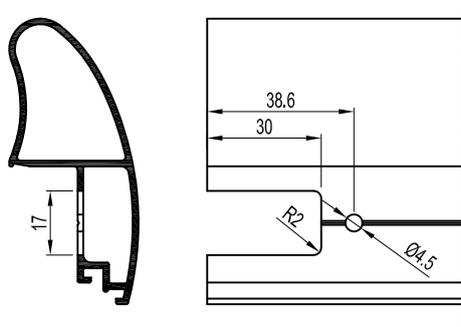


4

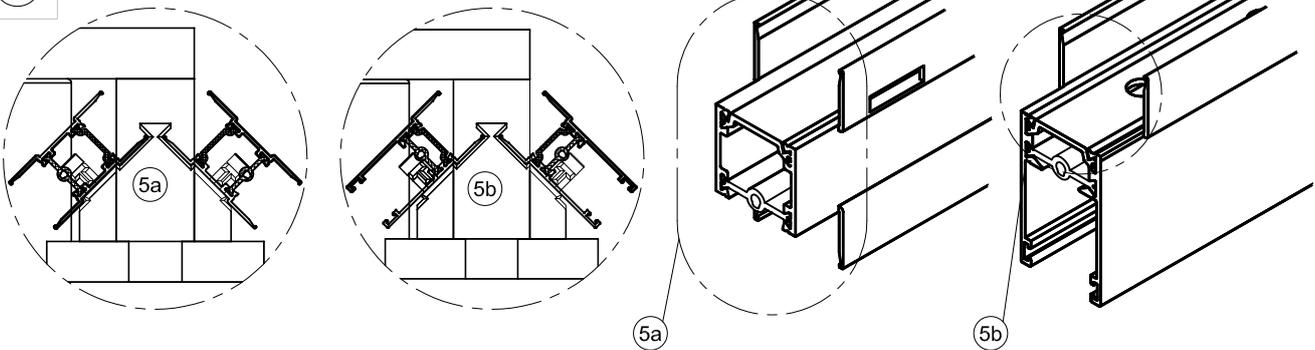


006.1065.XX - 006.1066.XX - 006.1067.XX

006.1061.XX - 006.1062.XX - 006.1063.XX - 006.1068.XX

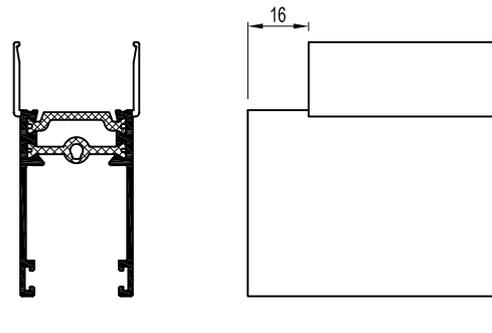
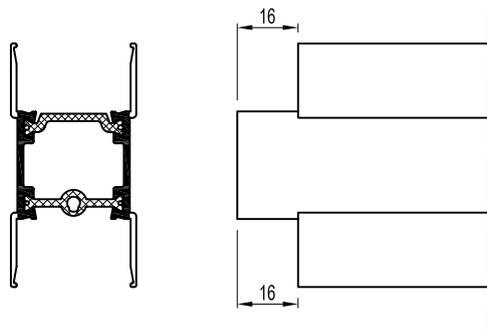


5



006.2086.XX

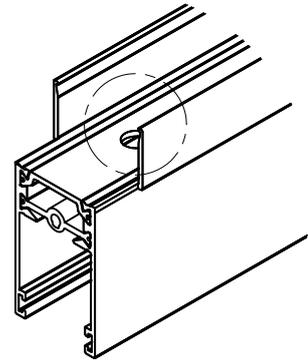
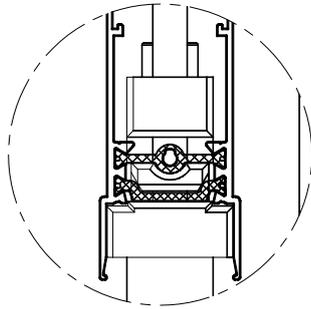
006.2085.XX



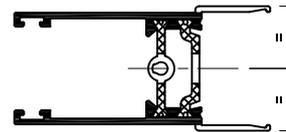
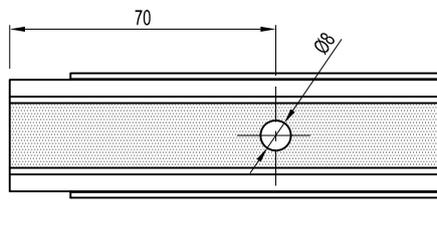
escala - échelle  
scale - Maßstab  
1/2

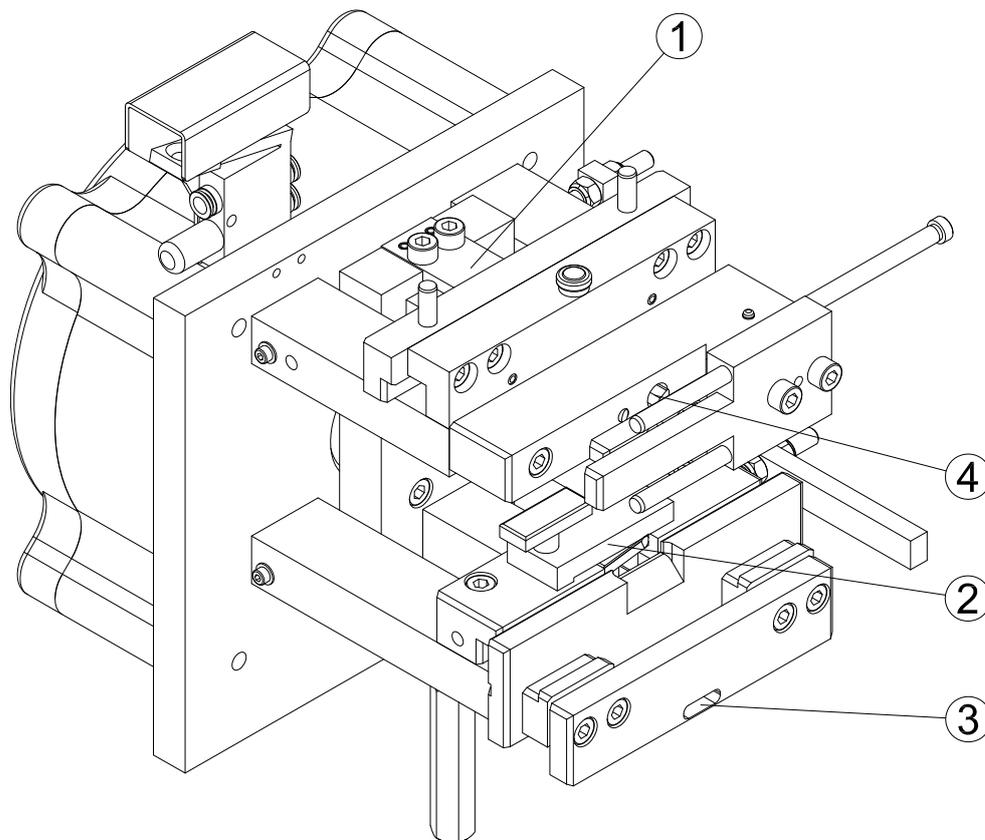


6

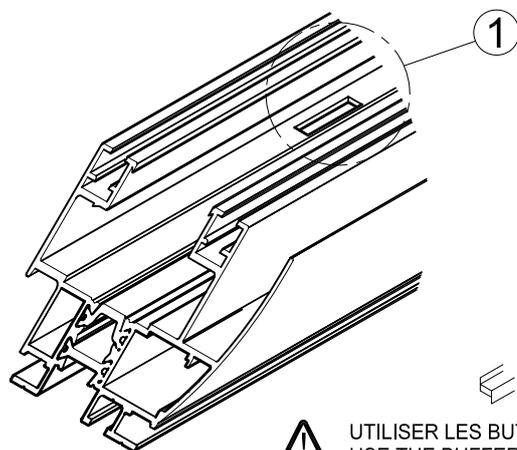


 006.2085.XX



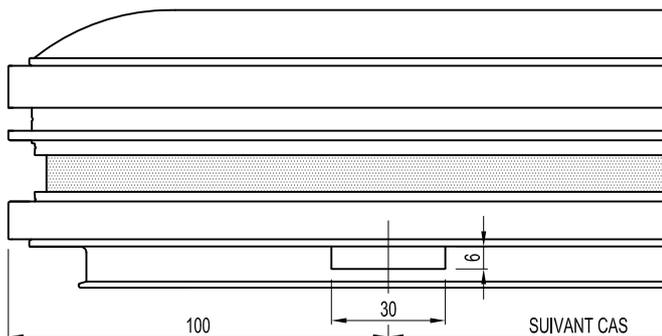
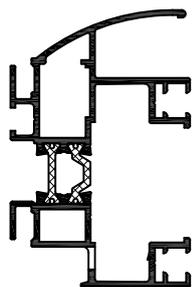


1



006.1001.XX - 006.1007.XX - 006.1009.XX - 006.1015.XX  
 006.1016.XX - 006.1021.XX - 006.1022.XX

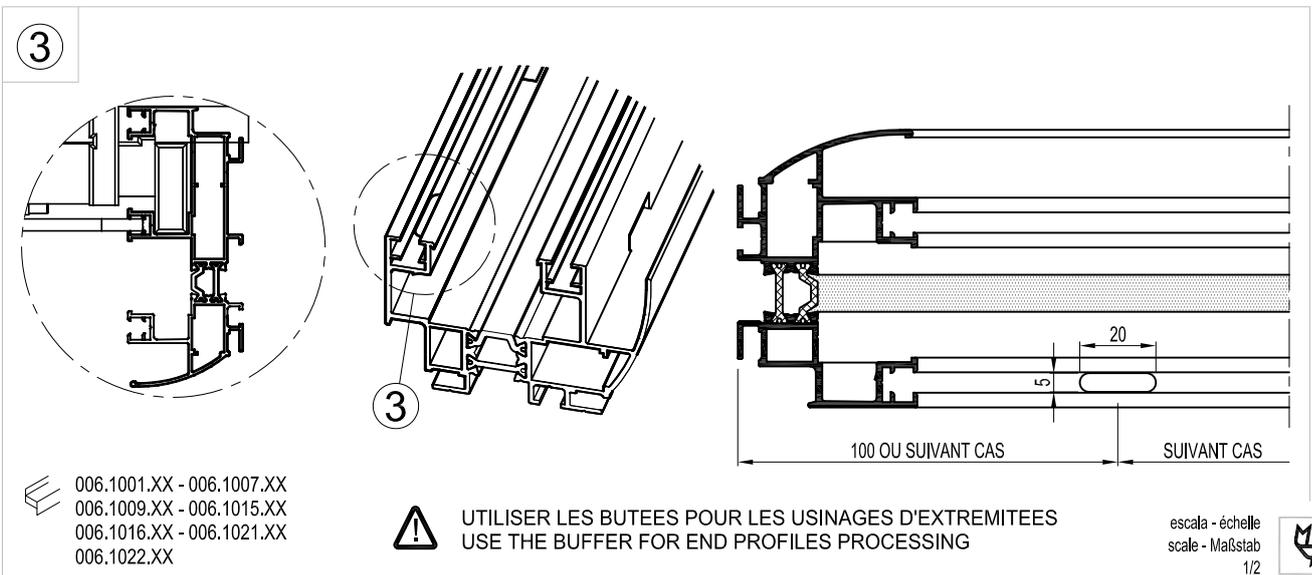
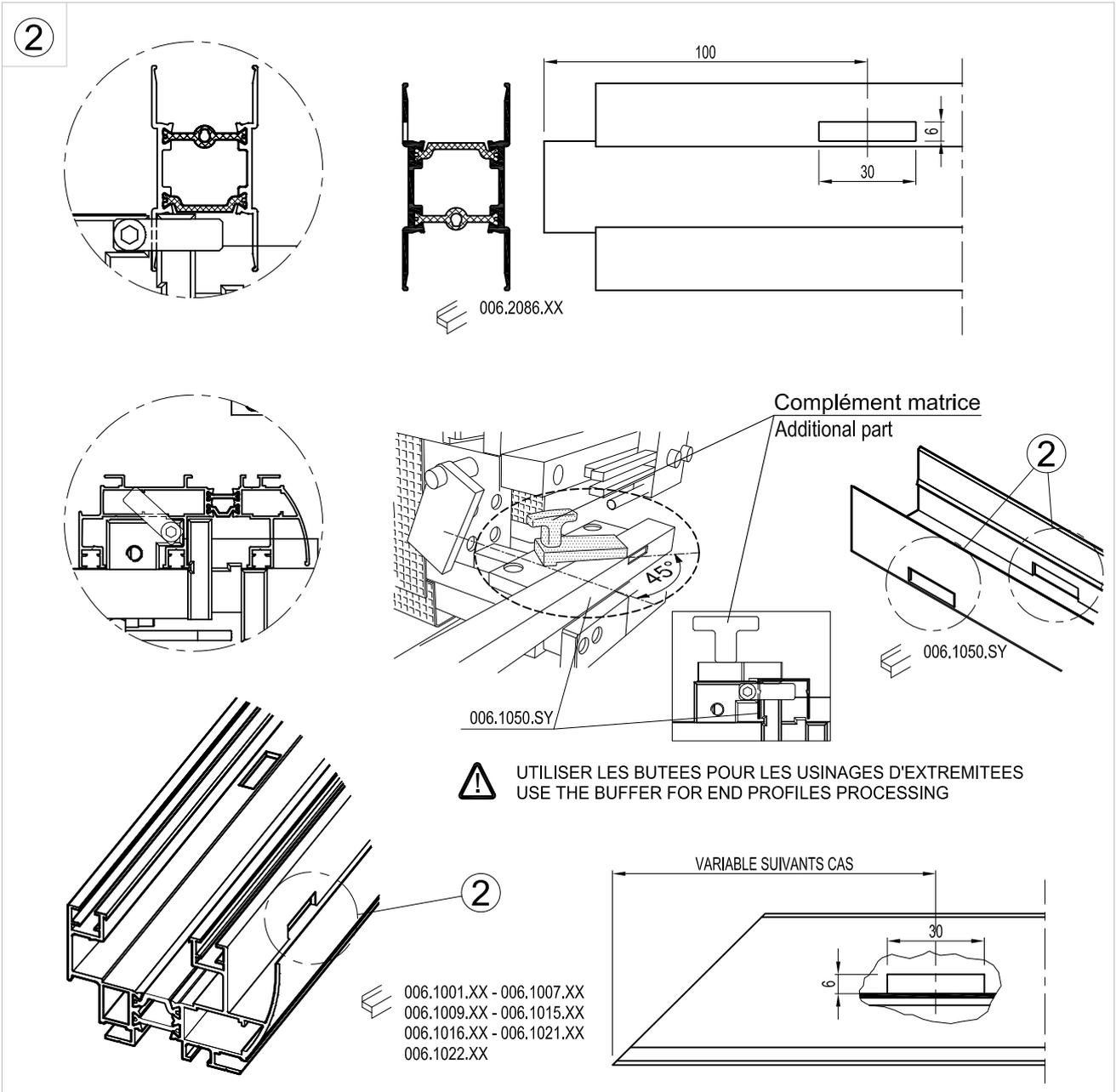
**⚠** UTILISER LES BUTEES POUR LES USINAGES D'EXTREMITES  
 USE THE BUFFER FOR END PROFILES PROCESSING



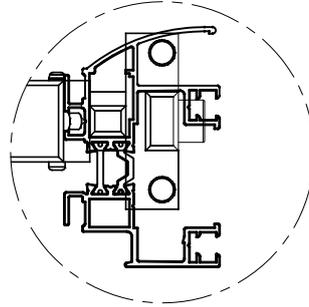
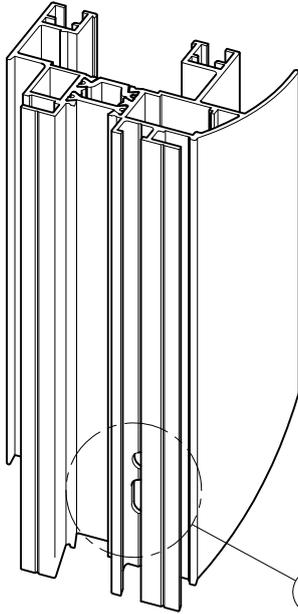
escala - échelle  
 scale - Maßstab  
 1/2



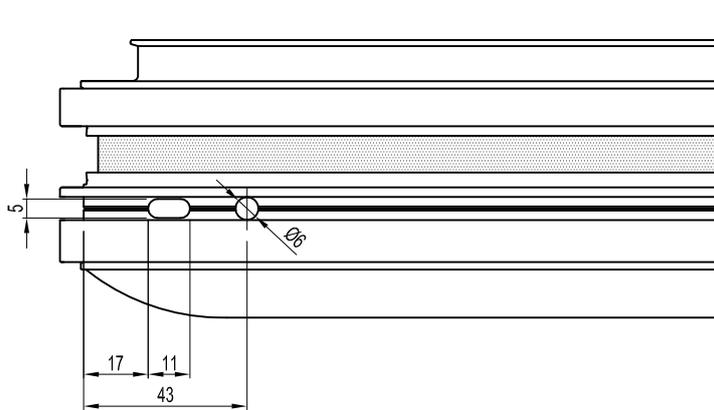
D1000468

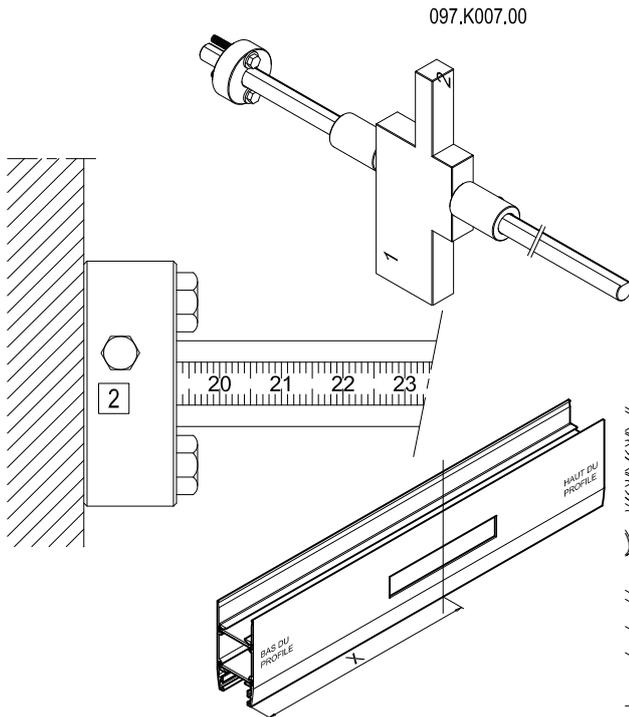


4



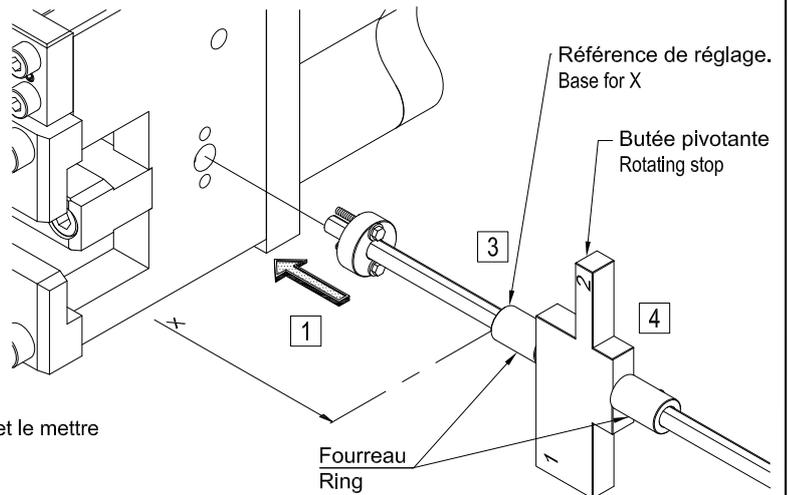
-  006.1001.XX - 006.1007.XX
- 006.1009.XX - 006.1015.XX
- 006.1016.XX - 006.1021.XX
- 006.1022.XX





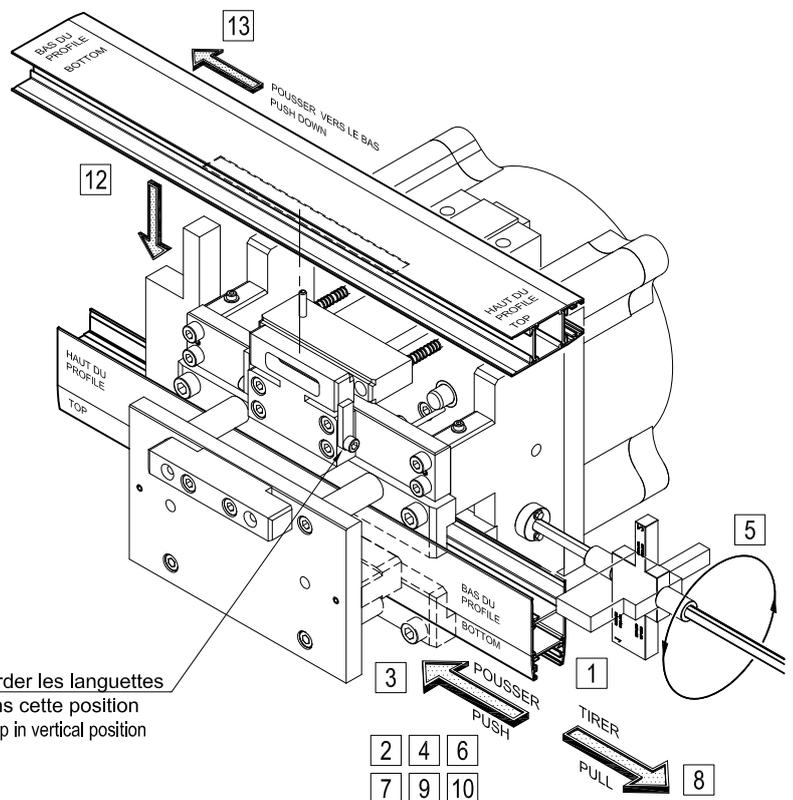
MISE EN PLACE DE L'OUTIL SUR LE BLOC 097.K000.00  
ASSEMBLY ON PUNCH TOOL 097.K000.00

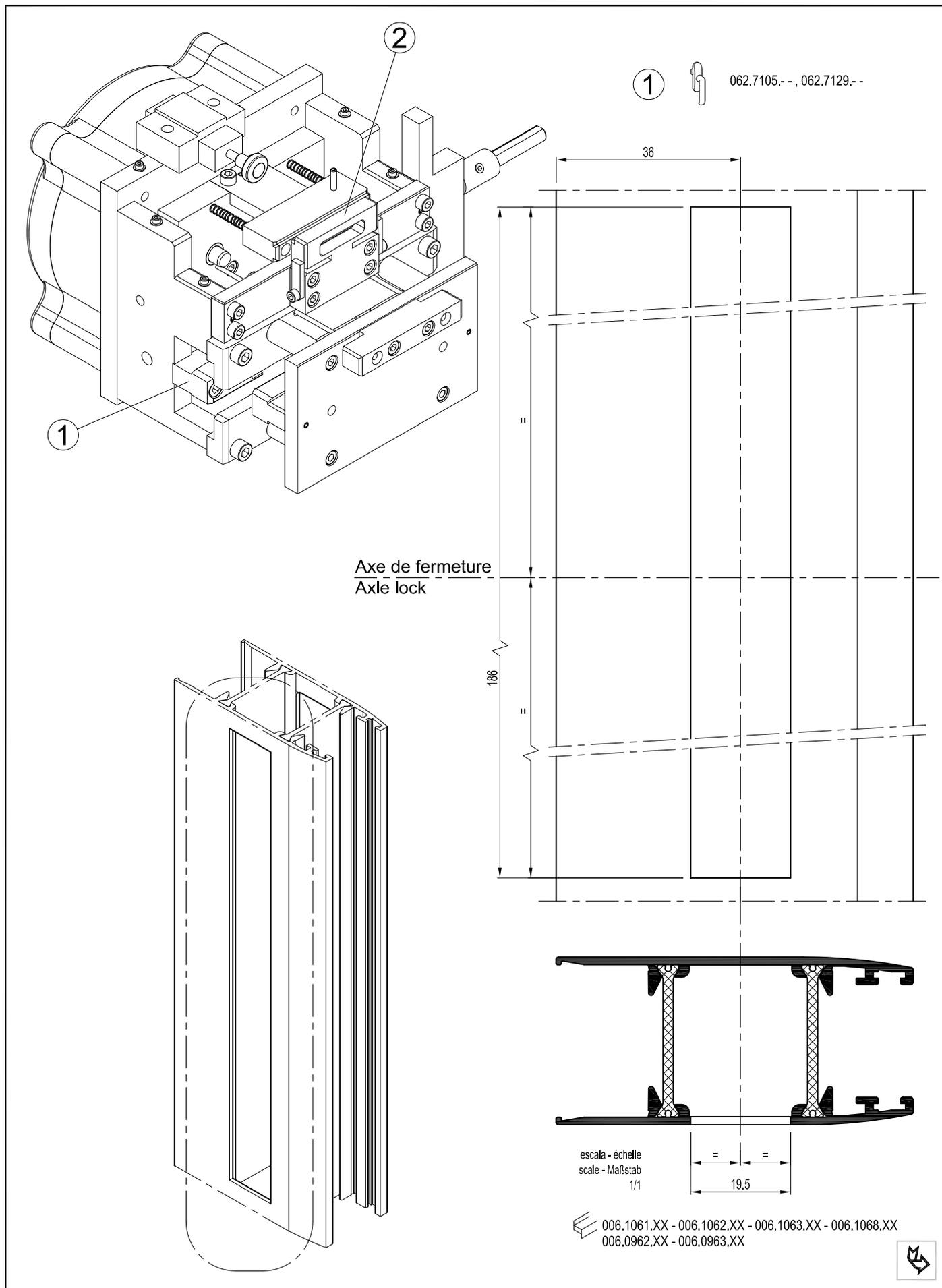
- 1 Placer la tige graduée dans son logement, côté droit ou gauche du bloc outil, et visser les 2 vis de l'embase.  
Install the adjustable ruller to the right or the left side of punch tool and tighten.
- 2 Caler la tige graduée sur 13 mm et serrer la vis latérale.  
Position at 13mm and tighten lateral screw.
- 3 Positionner l'avant du fourreau sur la graduation correspondant à la côte X, puis immobiliser.  
Position base for X on ruller graduation and lock it.
- 4 Insérer la butée pivotante, et le deuxième fourreau serrer ce dernier (les 3 éléments en contact).  
Insert the rotating stop and the second ring, then tighten it (in contact with rotating stop and first ring)



UTILISATION DU KIT DE BUTEE PIVOTANTE  
INSTRUCTIONS FOR USE

- 1 Présenter le bas et la bonne face du profilé sur le bloc outil, et le mettre en contact avec la butée (position 1).  
Bring profile (check bottom part and handle side).  
Put in contact with rotating stop (position 1).
- 2 Poinçonner et laisser le poinçon en place.  
Stamp and keep blanking punch in position.
- 3 Pousser le profilé qui va se mettre en contact sur le poinçon.  
Push profile on contact with blanking punch.
- 4 Faire revenir le poinçon en position initiale.  
Bring back blanking punch initial position.
- 5 Mettre le profilé en contact avec la butée en position "2".  
Put profile in contact with rotating stop (position 2).
- 6 Poinçonner, et laisser le poinçon en place.  
Stamp and keep blanking punch in position.
- 7 Libérer la butée.  
Unlock rotating stop.
- 8 Tirer le profilé.  
Pull profile.
- 9 Faire revenir le poinçon.  
Bring back blanking punch.
- 10 Extraire le profilé.  
Take off profile.
- 11 Passer au poste 2.  
Go to processing 2.
- 12 Pousser la protection, introduire le profilé.  
Push protection and insert profile.
- 13 Mettre en butée en posant le profilé vers le bas et poinçonner.  
Push towards bottom profile up to stop and stamp.





Axe de fermeture  
Axle lock

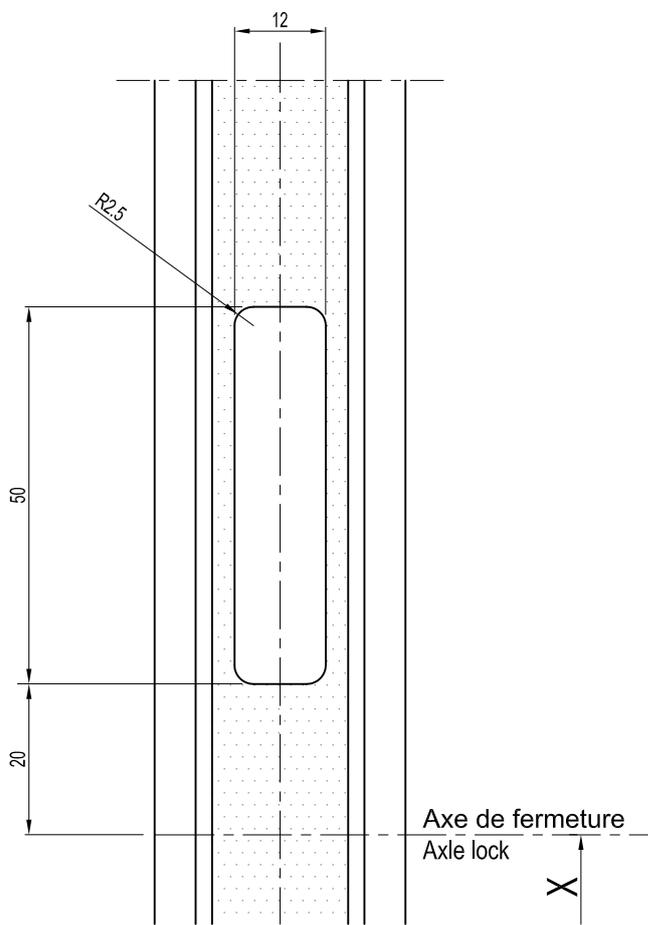
escala - échelle  
scale - Maßstab  
1/1

006.1061.XX - 006.1062.XX - 006.1063.XX - 006.1068.XX  
006.0962.XX - 006.0963.XX

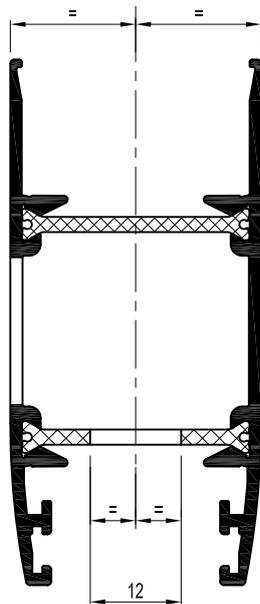


D1000470

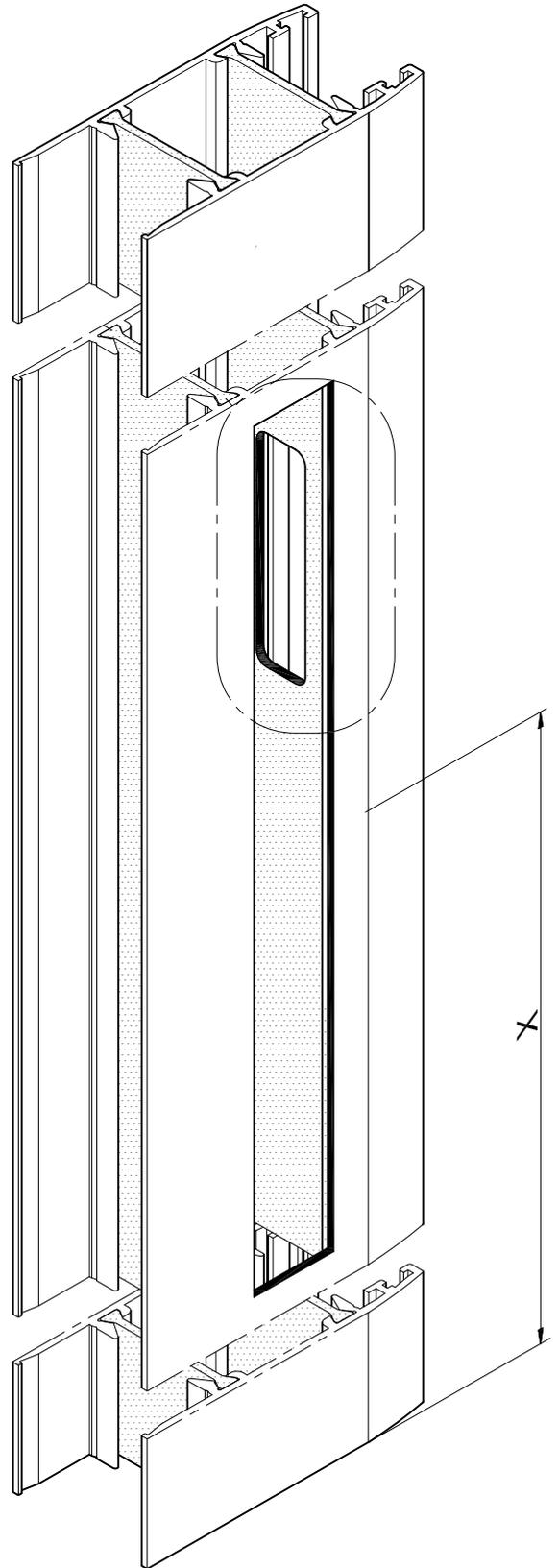
② 062.7105.-- , 062.7129.--



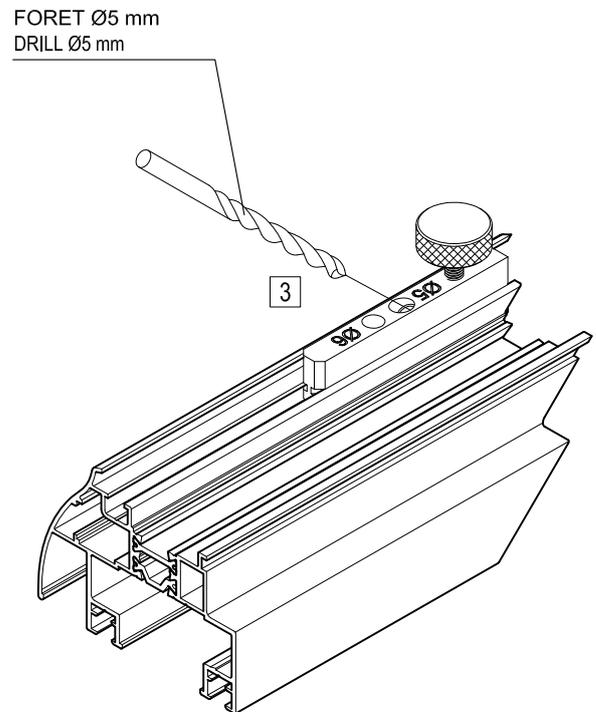
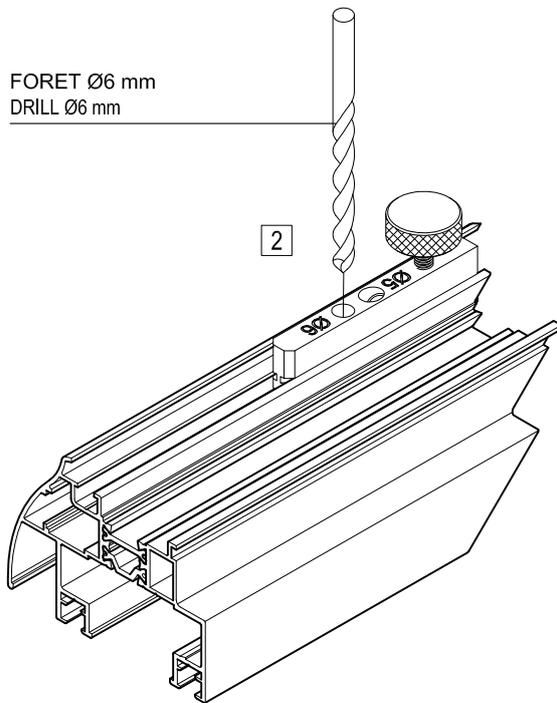
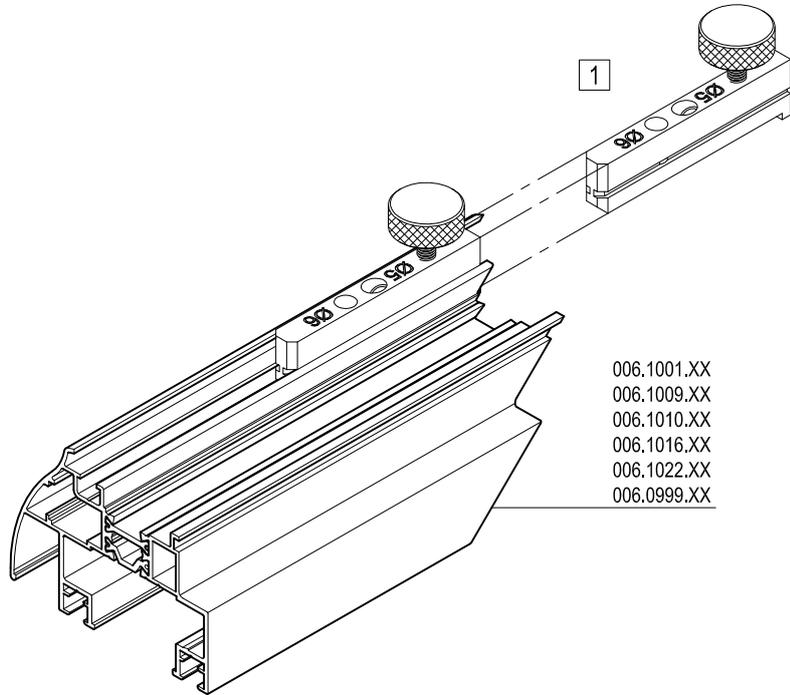
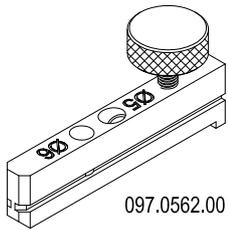
006.1061.XX - 006.1062.XX - 006.1063.XX - 006.1068.XX  
006.0962.XX - 006.0963.XX



1/1



D1000470



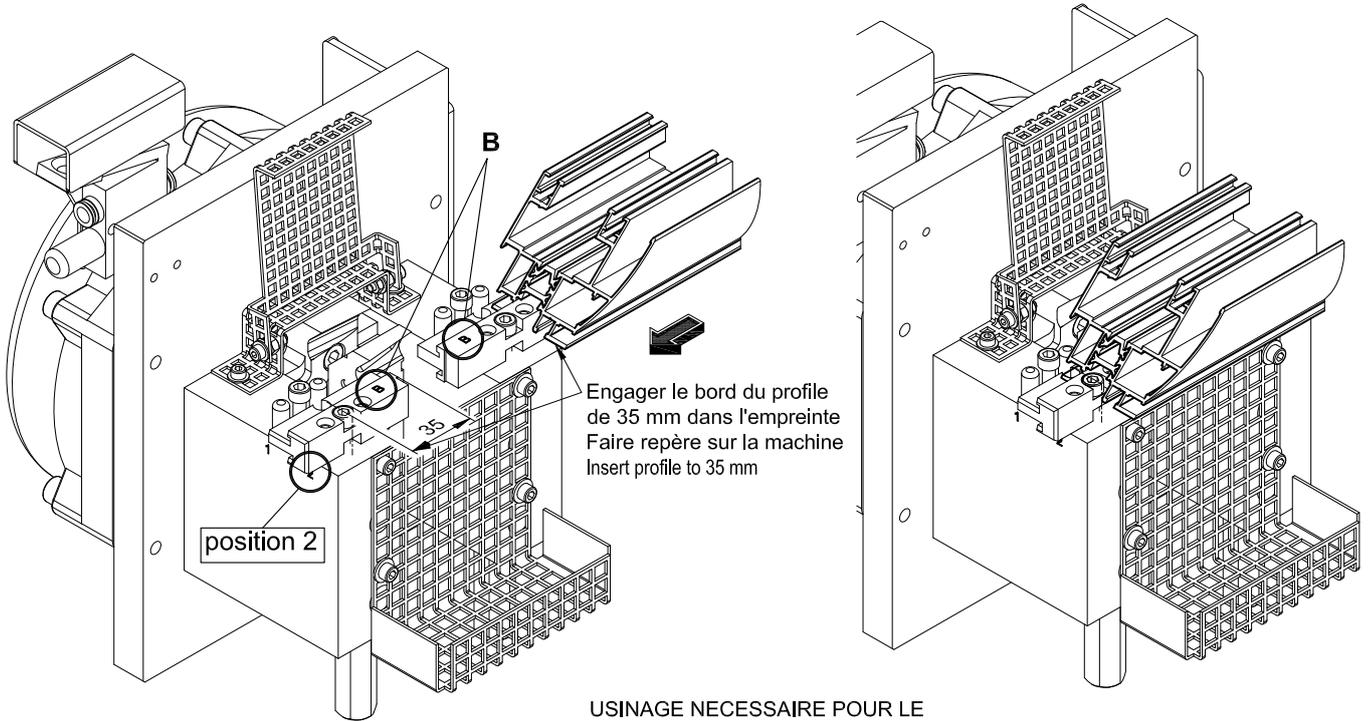
L'ORDRE DE MONTAGE  
THE ORDER OF ASSEMBLY

1	2	3	.
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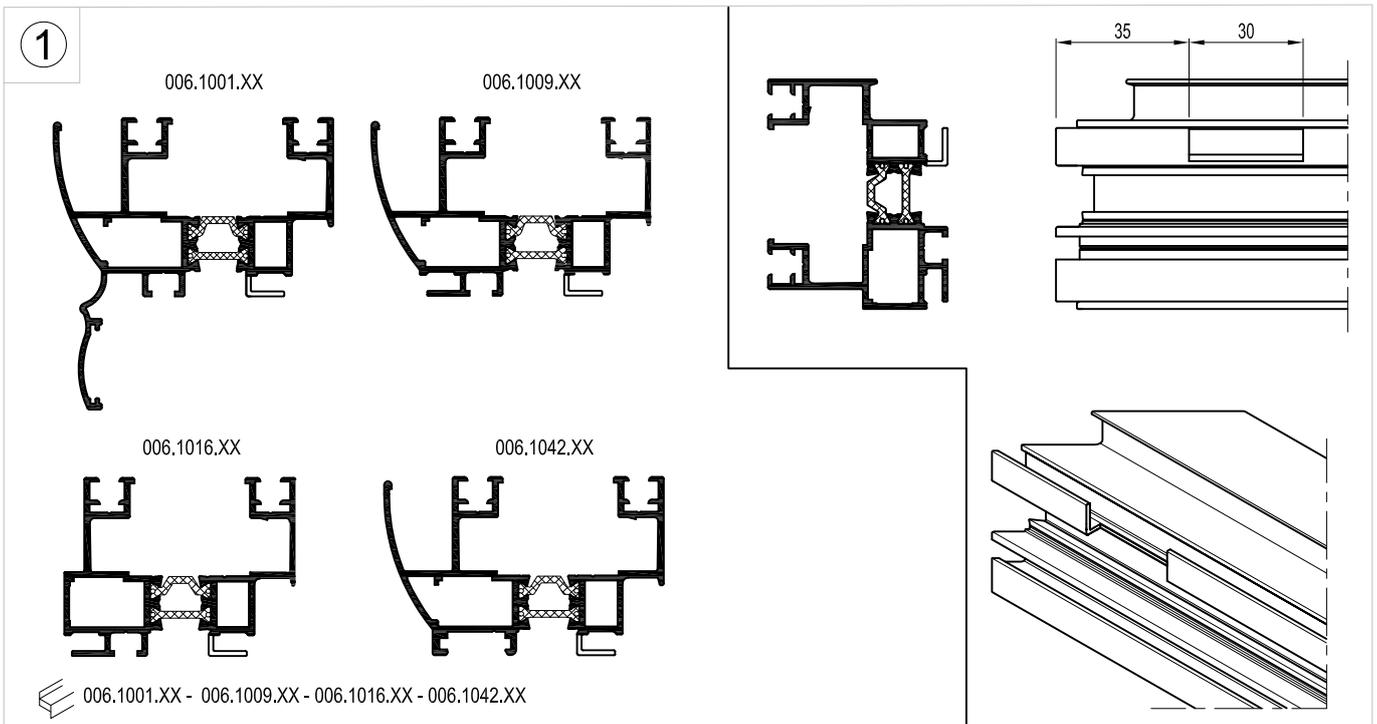


D1000471

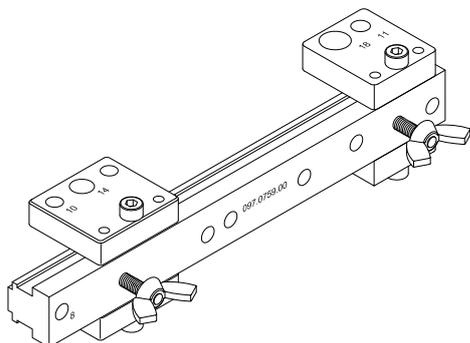
Utiliser matrice **B** en position 2  
Use part **B** in position 2



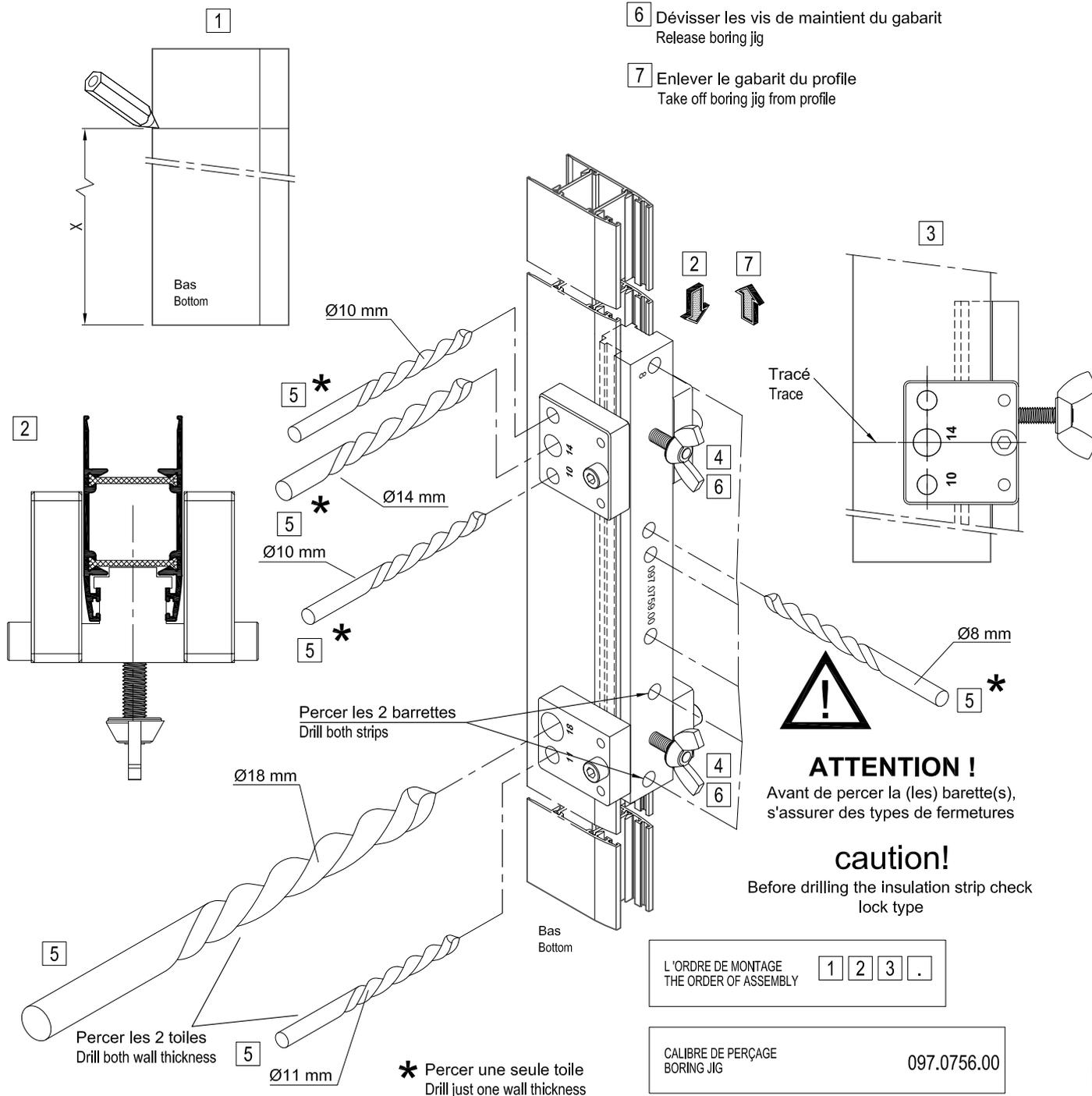
USINAGE NECESSAIRE POUR LE  
SERTISSAGE UNIQUEMENT  
PROCESS ONLY IN CASE OF CRIMPING



Gabarit de perçage 097.0759.00 pour fermeture CHRONOS  
Boring jig 097.0759.00 processing for lock CHRONOS

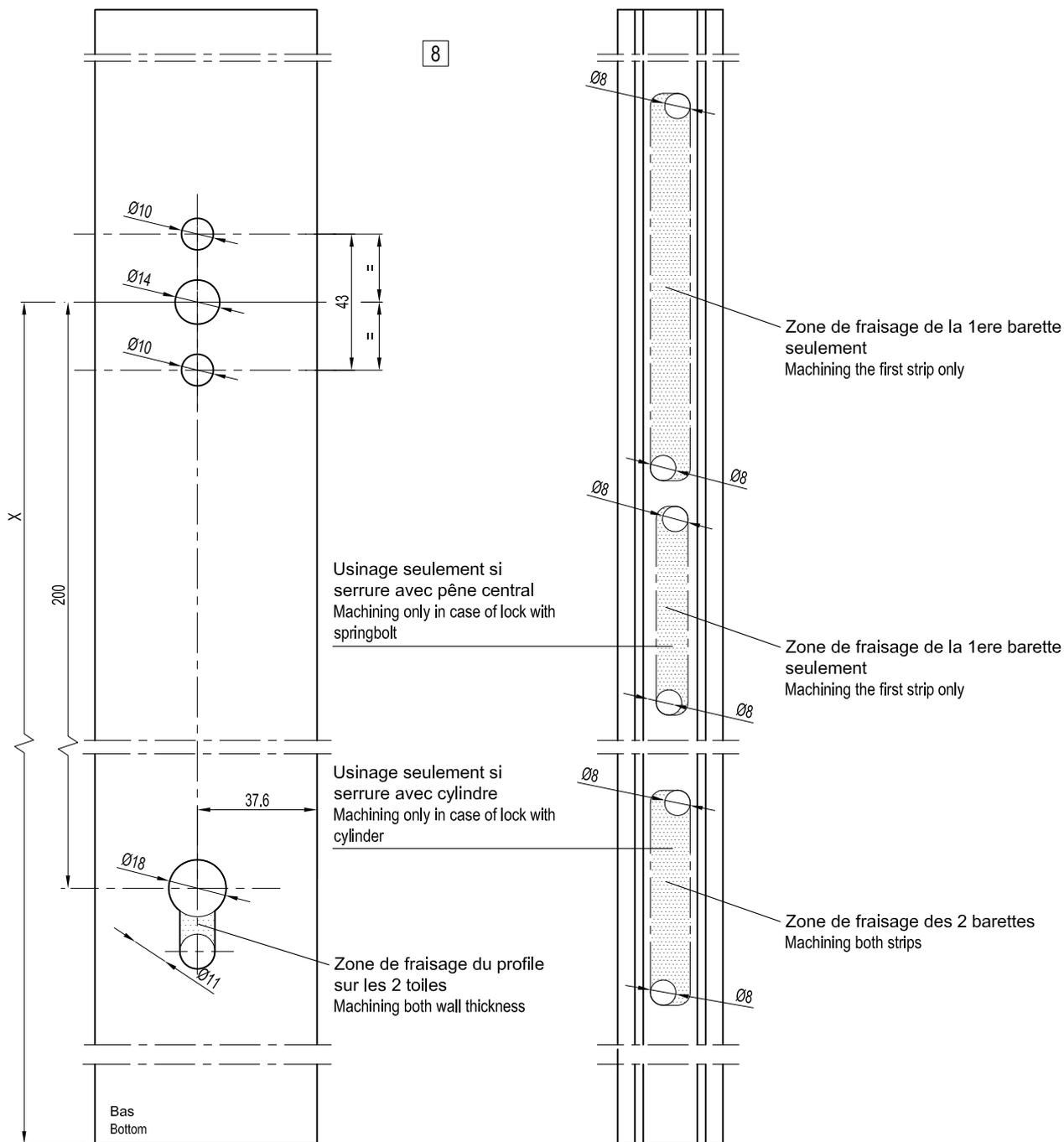


- 1 Tracer un trait sur le profile correspondant à la cote X  
(Voir 37F.f.055)  
Trace on profile the X position
- 2 Insérer le gabarit par l'extrémité du profile  
Insert boring jig by one end of the profile
- 3 Aligner l'axe de perçage centrale de la partie haute du gabarit, sur le tracé du profile  
Line trace up with Ø14 center
- 4 Serrer les vis de maintien du gabarit  
Tighten boring jig
- 5 Percer le profile avec des forêts correspondant aux différents diamètres du gabarit.  
Suivre les indications pour chaque perçage  
Drill by respecting instructions
- 6 Dévisser les vis de maintien du gabarit  
Release boring jig
- 7 Enlever le gabarit du profile  
Take off boring jig from profile



FRAISAGE DU PROFILE APRES PERCAGE  
MILLING PROFILE AFTER DRILLING

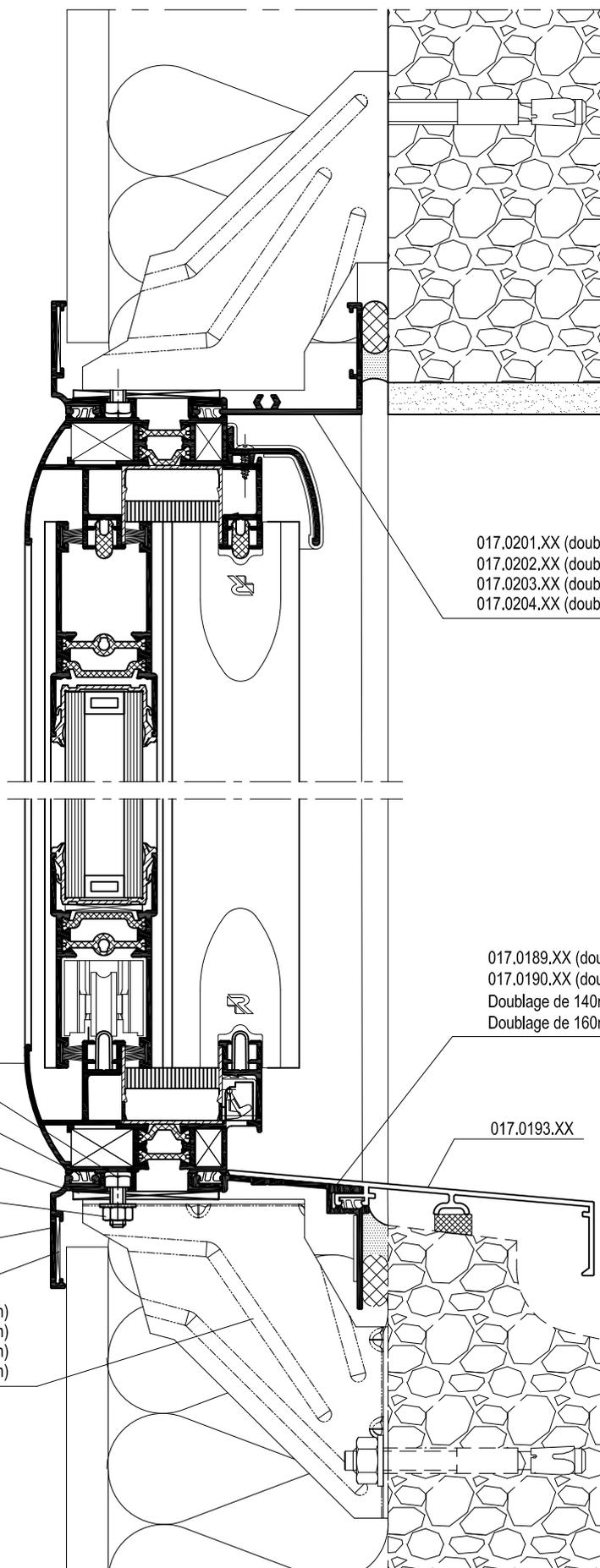
- 8 Fraiser les zones du profile décrite ci-dessous avec une fraise  $\varnothing 8$ . Les perçages délimites les extrémités. Respecter les consignes de fraisage pour chaque zone (1ou 2 toiles)  
Machining areas below with a  $\varnothing 8$  Milling tool.  $\varnothing 8$  holes demarcate ends. Respect machining instructions for each area (1 or 2 wall thickness)



Se reporter aux page 37F.f.055 pour les cotations  
See page 37F.f.055 for dimensioning

Doublage : 100mm

Verkleidung : 100mm



017.0201.XX (doublage de 100mm)  
017.0202.XX (doublage de 120mm)  
017.0203.XX (doublage de 140mm)  
017.0204.XX (doublage de 160mm)

017.0189.XX (doublage de 100mm)  
017.0190.XX (doublage de 120mm)  
Doublage de 140mm : Appui à reconstituer  
Doublage de 160mm : Appui à reconstituer

006.1009.XX

050.5340.--

022.3036.04

024.5044.01

024.5042.--

017.0120.XX

021.0245.00

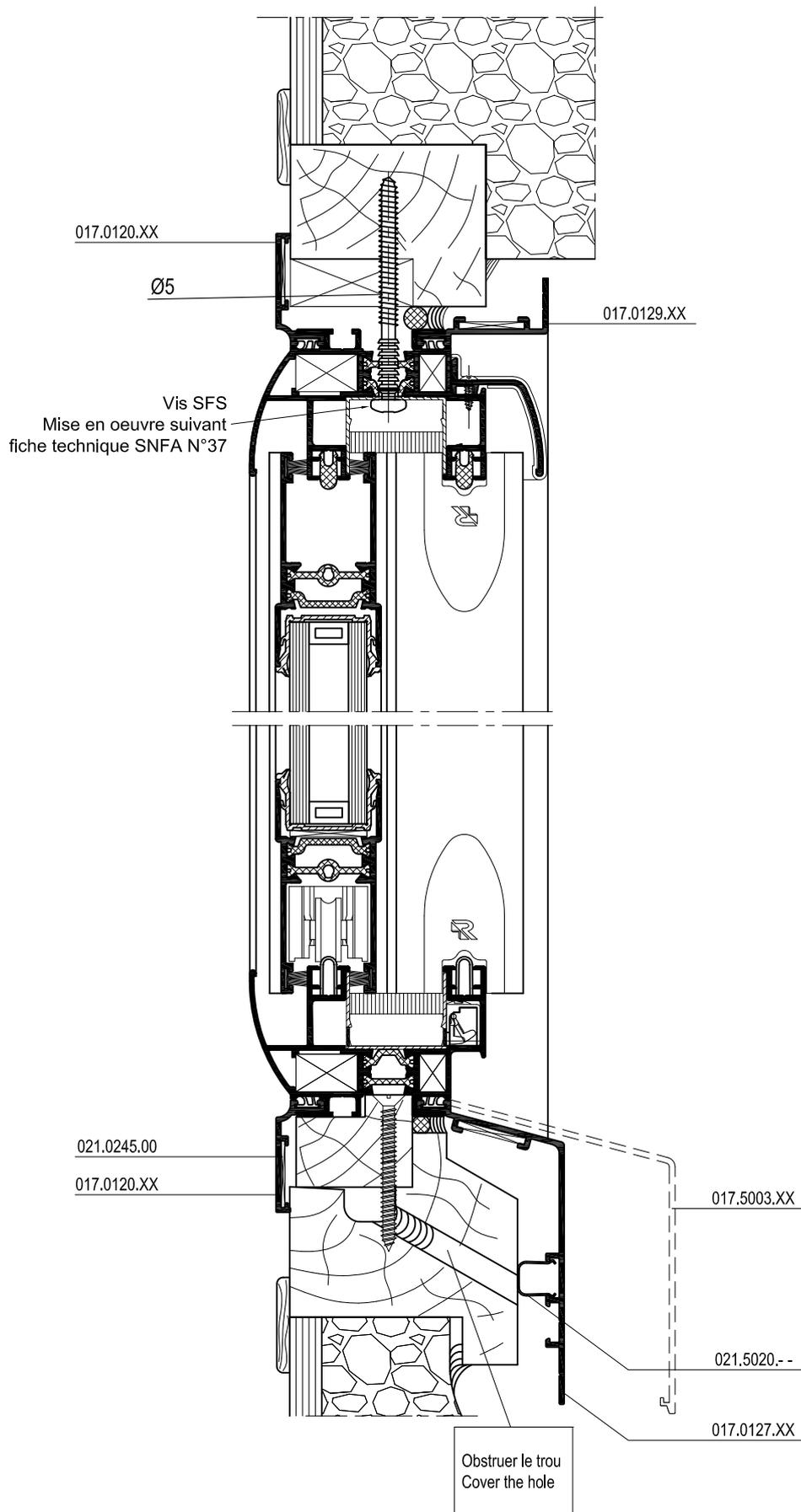
021.5170.-- (Doublage de 100mm)

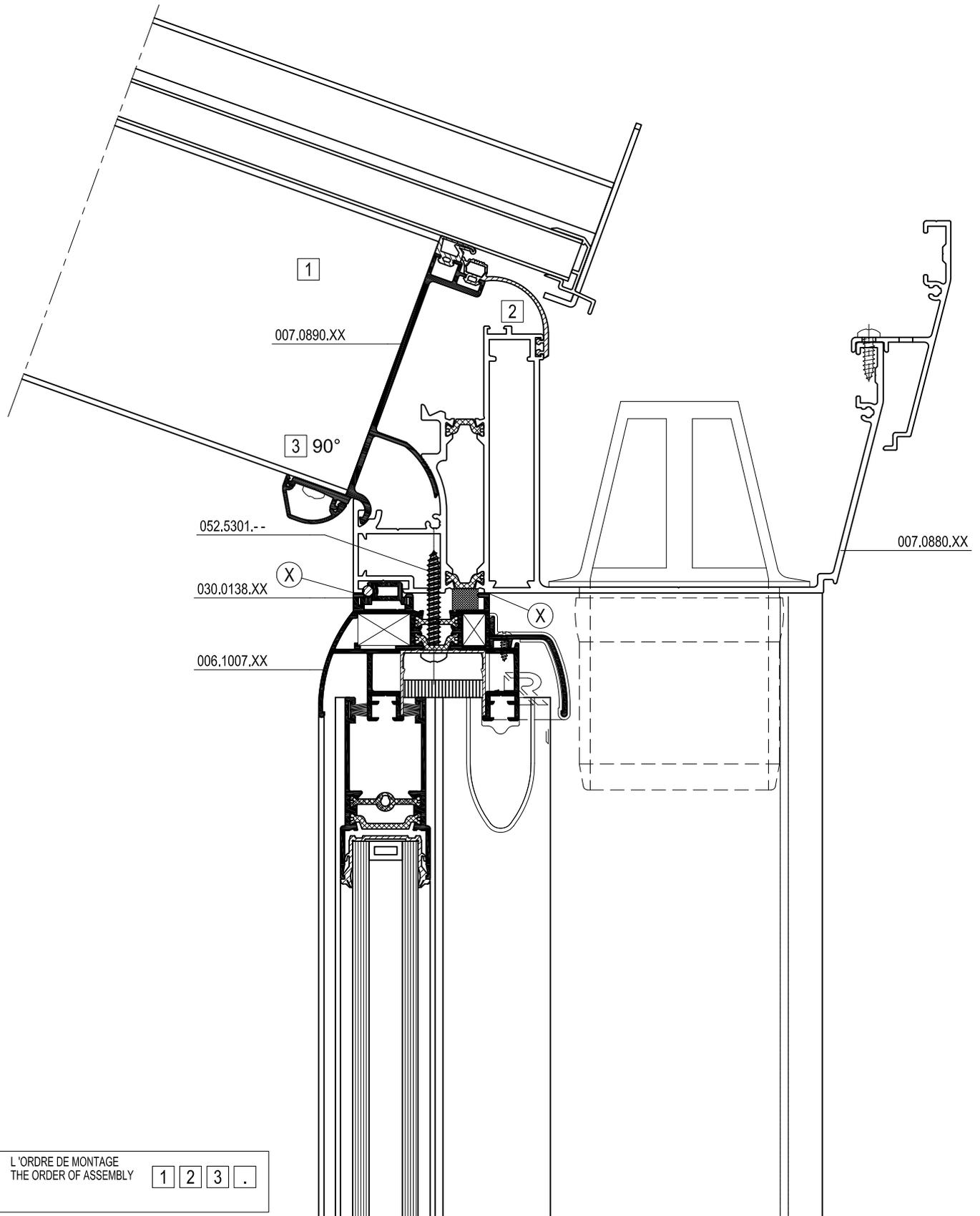
021.5172.-- (Doublage de 120mm)

021.5173.-- (Doublage de 140mm)

021.5174.-- (Doublage de 160mm)

017.0193.XX





L'ORDRE DE MONTAGE  
 THE ORDER OF ASSEMBLY

- |   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | . |
|---|---|---|---|

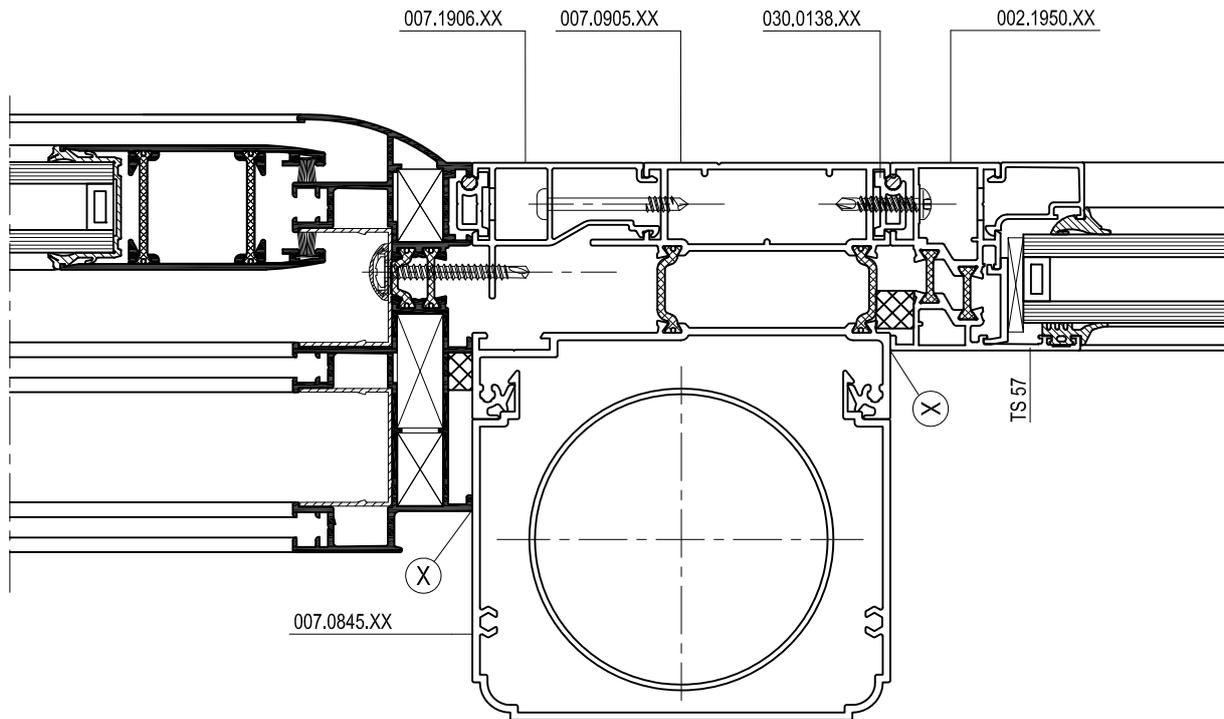
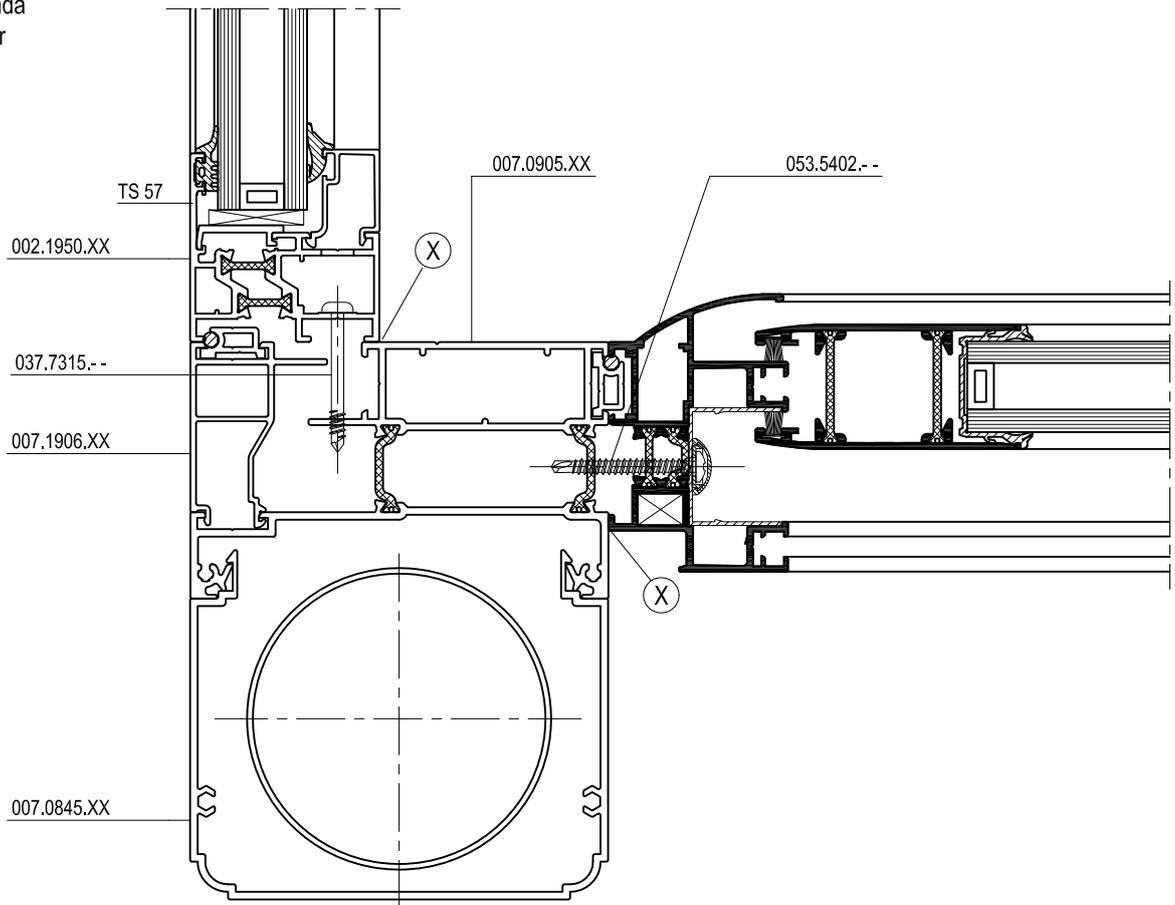
(X) MATIERE D'ETANCHEITE  
 SEALING AGENT

escala - échelle  
 scale - Maßstab  
 1/1



D1000473

Angle de véranda  
 Veranda corner



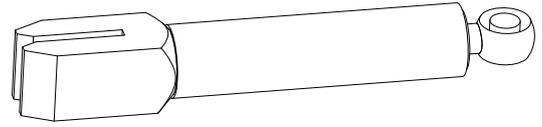
(X) MATIERE D'ETANCHEITE  
 SEALING AGENT

escala - échelle  
 scale - Maßstab  
 1/2

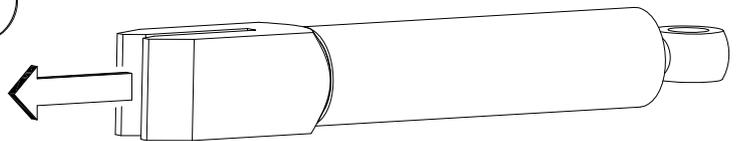
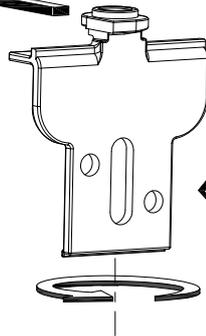
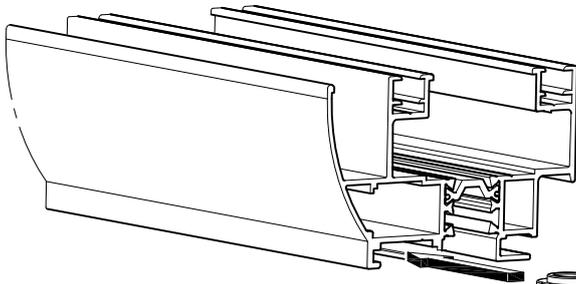
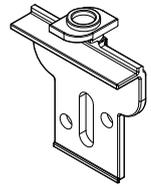


D1000473

097.0713.00



024.5045.00



006.1042.XX

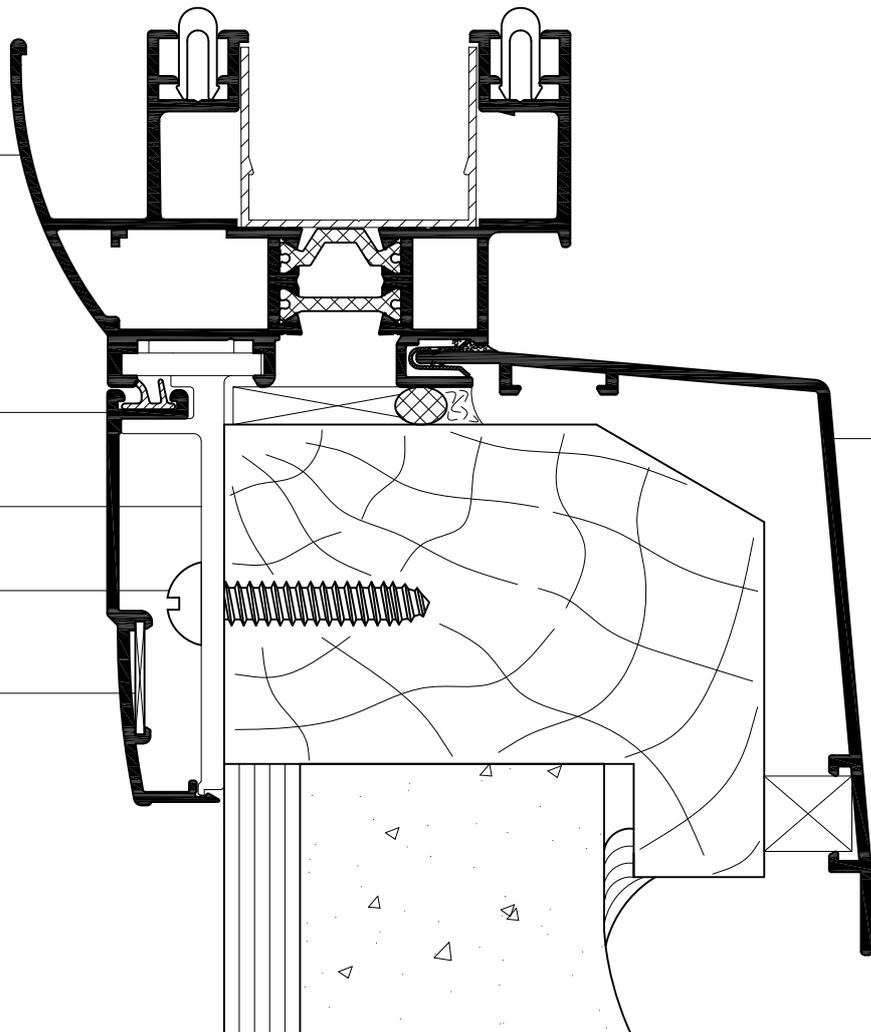
011.5129.XX

024.5045.00

Vis support Ø5 minimum

060.8724.00 ou/or  
021.5888.00

017.5019.XX





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**Toebehoren, gereedschappen en machines**

**Nomenclatures accessoires et outillages**

**Accessories, tools and machinery**

**Zubehör, Werkzeuge und Maschinen**



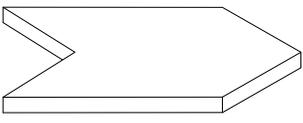
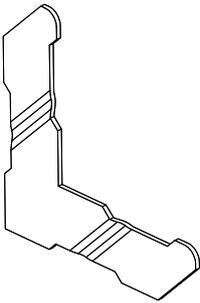
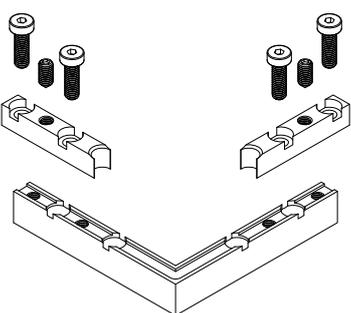
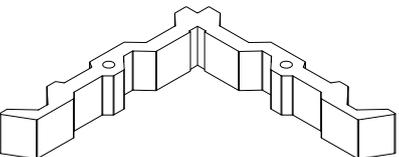
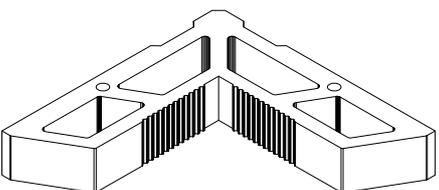


					
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021.5044.SY	37F.g.025	062.7121.04	37F.g.032	097.0559.00	37F.g.072
021.5146.07	37F.g.061	062.7122.SY	37F.g.032	097.0562.00	37F.g.072
021.5170.--	37F.g.060	062.7123.01	37F.g.032	097.0713.00	37F.g.073
021.5172.--	37F.g.060	062.7124.00	37F.g.001	097.0759.00	37F.g.073
021.5173.--	37F.g.060	062.7125.00	37F.g.001	097.J800.00	37F.g.071
021.5174.--	37F.g.060	062.7126.--	37F.g.025	097.J821.00	37F.g.071
021.5681.SY	37F.g.061	062.7129.--	37F.g.022	097.J900.00	37F.g.071
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024.5003.--	37F.g.061	062.7144.04	37F.g.033		
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050.5340.--	37F.g.052	062.7176.--	37F.g.028		
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052.5311.--	37F.g.052	062.7186.XX	37F.g.023		
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062.7108.XX	37F.g.021	068.7650.00	37F.g.001		
062.7110.XX	37F.g.021	068.7651.00	37F.g.001		
062.7111.SY	37F.g.033	071.6554.SY	37F.g.036		
062.7112.--	37F.g.025	077.7011.04	37F.g.062		
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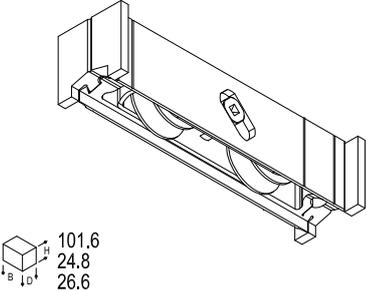
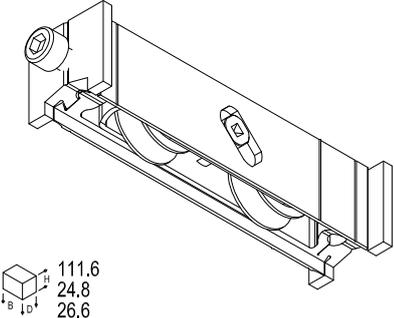
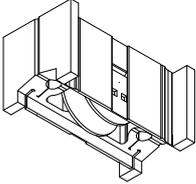
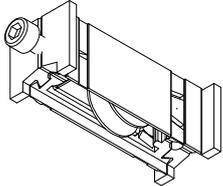
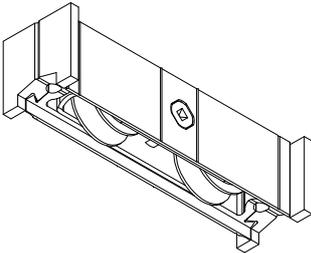


	<p><b>060.8724.00</b></p> <p>CALE DE FEILLURE</p> <p>REBATE SUPPORT</p>	<p>CP 50</p>		
	<p><b>062.7124.00</b></p> <p>EQUERRE A SERTIR 12x30</p> <p>CRIMP CORNER CLEAT 12x30</p>	<p>CP 50</p> <p>006.1021.XX</p> <p>006.1022.XX</p> <p>006.1023.XX</p>		
	<p><b>062.7125.00</b></p> <p>EQUERRE A SERTIR 12x8,4</p> <p>CRIMP CORNER CLEAT 12x8.4</p>	<p>CP 50</p> <p>006.1001.XX</p> <p>006.1003.XX</p> <p>006.1007.XX</p> <p>006.1009.XX</p> <p>006.1010.XX</p> <p>006.1015.XX</p> <p>006.1016.XX</p> <p>006.1041.XX</p> <p>006.1042.XX</p>		
	<p><b>068.7650.00</b></p> <p>EQUERRE A VISSER A PION 12x19</p> <p>SCREW CORNER CLEAT WITH PEG 12x19</p>	<p>CP 50</p> <p>006.1001.XX</p> <p>006.1003.XX</p> <p>006.1007.XX</p> <p>006.1009.XX</p> <p>006.1010.XX</p> <p>006.1015.XX</p> <p>006.1016.XX</p> <p>006.1021.XX</p> <p>006.1022.XX</p> <p>006.1023.XX</p> <p>006.1041.XX</p> <p>006.1042.XX</p>		
	<p><b>068.7651.00</b></p> <p>EQUERRE A SERTIR 12x19.4</p> <p>CRIMP CORNER CLEAT 12x19.4</p>	<p>CP 50</p> <p>006.1001.XX</p> <p>006.1003.XX</p> <p>006.1007.XX</p> <p>006.1009.XX</p> <p>006.1010.XX</p> <p>006.1015.XX</p> <p>006.1016.XX</p> <p>006.1021.XX</p> <p>006.1022.XX</p> <p>006.1023.XX</p> <p>006.1041.XX</p> <p>006.1042.XX</p>		



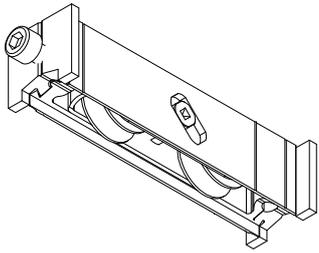
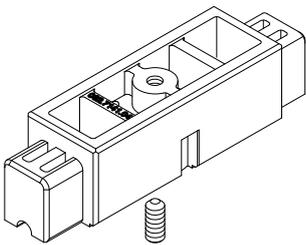
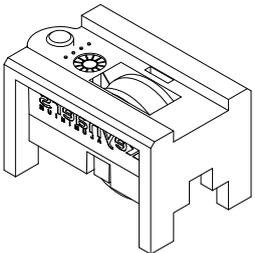
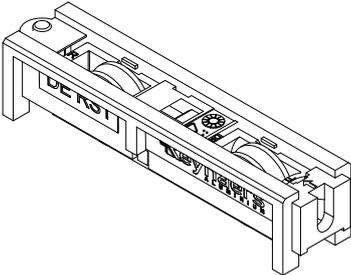
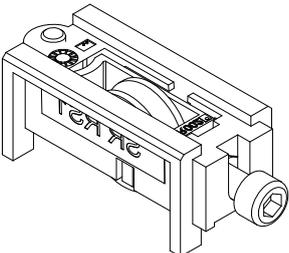
  	<p><b>021.0245.00</b></p> <p>EQUERRES DE REMPLISSAGE 21x1</p> <p>CORNER SUPPORTS 21x1</p>	<p>CP 50 006.1001.XX 006.1003.XX 006.1041.XX 017.0077.XX 017.0110.XX 017.0119.XX 017.0120.XX</p> <p>CP 45Pa CP 50-Ga CD 50</p>	<p>CS 45Pa OUVEA CS 77 MOOREA</p>	
  	<p><b>021.5888.00</b></p> <p>CALE DE FEUILLURE</p> <p>REBATE SUPPORT</p>	<p>CD 50</p>		
	<p><b>062.7204.00</b></p> <p>GACHE</p> <p>RECEIVER</p>	<p>CP 50</p>		
  	<p><b>068.7567.00</b></p> <p>EQUERRE</p> <p>CORNER CLEAT</p>	<p>CP 50 006.1001.XX 006.1007.XX 006.1009.XX 006.1015.XX 006.1016.XX</p>		
  	<p><b>068.7568.00</b></p> <p>EQUERRE</p> <p>CORNER CLEAT</p>	<p>CP 50 006.1001.XX 006.1007.XX 006.1009.XX 006.1015.XX 006.1016.XX</p>		

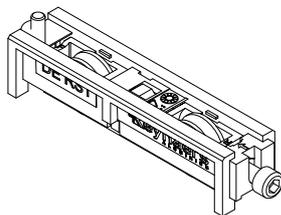


	<p><b>062.7095.--</b></p> <p>ROULETTE DOUBLE NON-REGLABLE INOX 200KG</p> <p>DOUBLE ROLLER NOT ADJUSTABLE INOX 200KG</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p>		
	<p><b>062.7096.--</b></p> <p>ROULETTE DOUBLE REGLABLE INOX 200KG</p> <p>DOUBLE ROLLER ADJUSTABLE INOX 200KG</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p>		
	<p><b>062.7101.--</b></p> <p>ROULETTE SIMPLE NON-REGLABLE</p> <p>SINGLE ROLLER NOT ADJUSTABLE</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p>		
	<p><b>062.7102.--</b></p> <p>ROULETTE SIMPLE REGLABLE</p> <p>SINGLE ROLLER ADJUSTABLE</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p>		
	<p><b>062.7103.--</b></p> <p>ROULETTE DOUBLE NON-REGLABLE</p> <p>DOUBLE ROLLER NOT ADJUSTABLE</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p>		

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	<p><b>062.7104.--</b></p> <p>ROULETTE DOUBLE REGLABLE</p> <p>DOUBLE ROLLER ADJUSTABLE</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p>		
	<p><b>062.7141.04</b></p> <p>PIECE DE SUPPORT OUVRANT FIXE</p> <p>SUPPORTING PIECE FIXED FRAME</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p>		
	<p><b>062.7163.--</b></p> <p>ROULETTE NON REGLABLE INOX</p> <p>ROLLER NOT ADJUSTABLE STAINLESS STEEL</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p>		
	<p><b>062.7164.--</b></p> <p>ROULETTE DOUBLE NON-REGLABLE INOX</p> <p>DOUBLE ROLLER NOT ADJUSTABLE INOX</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p>		
	<p><b>062.7165.--</b></p> <p>ROULETTE REGLABLE INOX</p> <p>ROLLER ADJUSTABLE INOX</p>	<p>CP 50 006.2085.XX</p> <p>CP 50-Ga 006.2085.XX</p> <p>CP 50-Mb 006.2085.XX</p>		



062.7166.--

ROULETTE DOUBLE REGLABLE INOX

DOUBLE ROLLER ADJUSTABLE INOX

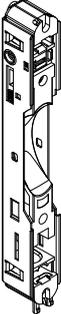
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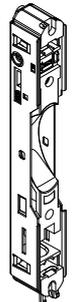
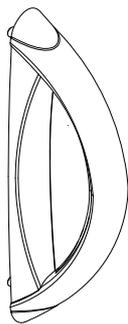
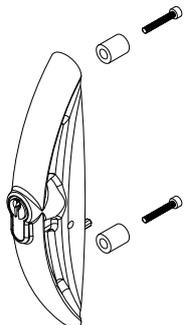
CP 50-Ga  
006.2085.XX

CP 50-Mb  
006.2085.XX

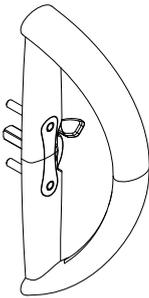
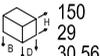
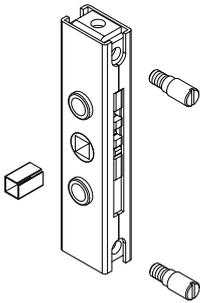
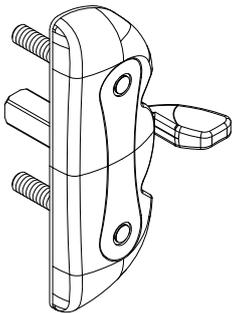




	<p><b>062.7105.--</b></p> <p>BASE FERMETURE</p> <p>BASIC CLOSER</p>	<p>CP 50 006.1061.XX - 006.1062.XX - 006.1063.XX - 006.1068.XX</p> <p>CP 50-Mb 006.1061.XX - 006.1062.XX</p>	<p>- 006.1063.XX - 006.1068.XX</p> <p>CP 45Pa</p> <p>CP 50-Ga CP 45Pa (GR)</p>	
	<p><b>062.7106.XX</b></p> <p>CACHE CLIPABLE</p> <p>COVERING PROFILE</p>	<p>CP 50 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 45Pa</p> <p>AV 47 AV 100 ESFERA 60 CP 50-Mb CP 50-Ga</p>	<p>CP 45Pa (GR)</p>	
	<p><b>062.7107.XX</b></p> <p>CACHE CLIPABLE</p> <p>COVERING PROFILE</p>	<p>CP 50 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>AV 47 AV 100 ESFERA 60 CP 45Pa CP 50-Mb CP 45Pa (GR)</p>		
	<p><b>062.7108.XX</b></p> <p>POIGNEE</p> <p>HANDLE</p>	<p>CP 50 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 45Pa CP 50-Mb CP 45Pa (GR)</p>		
	<p><b>062.7110.XX</b></p> <p>POIGNEE</p> <p>HANDLE</p>	<p>CP 50 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 45Pa CP 50-Mb CP 45Pa (GR)</p>		

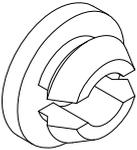
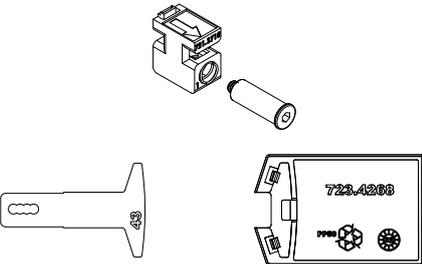
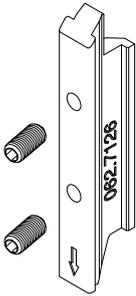
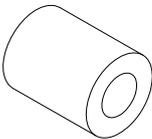
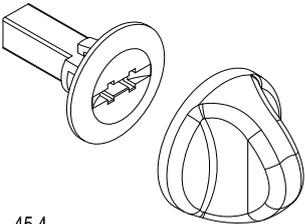
 				
	<p>062.7129.--</p> <p>BASE FERMETURE</p> <p>BASIC CLOSER</p>	<p>CP 50 CP 45Pa CP 50-Mb CP 45Pa (GR)</p>		
	<p>062.7132.XX</p> <p>POIGNEE</p> <p>HANDLE</p>	<p>CP 50 CP 45Pa CP 50-Mb CP 45Pa (GR)</p>		
	<p>062.7133.XX</p> <p>POIGNEE</p> <p>HANDLE</p>	<p>CP 50 CP 45Pa CP 50-Mb CP 45Pa (GR)</p>		
	<p>062.7145.XX</p> <p>POIGNEE FIXE AVEC CYLINDRE</p> <p>FIXED HANDLE WITH CYLINDER</p>	<p>CP 50 CP 45Pa CP 50-Mb CP 45Pa (GR)</p>		
	<p>062.7185.XX</p> <p>POIGNÉE DE TIRAGE</p> <p>LOCK CUP HANDLE</p>	<p>CP 50 CP 45Pa (GR)</p>		

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 	<p><b>062.7186.XX</b></p> <p>POIGNÉE DE TIRAGE PRINCIPALE</p> <p>PRINCIPAL LOCK CUP HANDLE</p>	<p>CP 50 CP 45Pa (GR)</p>		
 	<p><b>062.7187.XX</b></p> <p>POIGNÉE DE TIRAGE SECONDAIRE</p> <p>SECOND LOCK CUP HANDLE</p>	<p>CP 50 CP 45Pa (GR)</p>		
 	<p><b>062.7200.--</b></p> <p>ENTRAINEUR</p> <p>CARRIER BAR</p>	<p>CP 50</p>		
	<p><b>062.7205.XX</b></p> <p>ACCESSOIRE DE CONDAMNATION</p> <p>CLOSURE ACCESSORY</p>	<p>CP 50</p>		

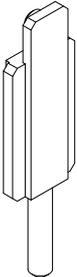
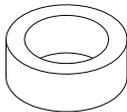
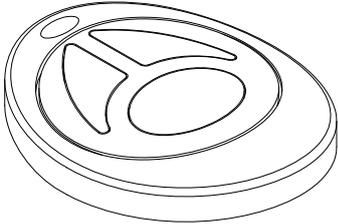




	<p><b>021.5044.SY</b></p> <p>100 BOUCHE-TROU</p> <p>100 PLUG</p>	<p>CW 50-FV CS 45Pa BOREALE CP 50 PALMA CP 45Pa CP 45Pa (GR)</p>		
	<p><b>062.7112.--</b></p> <p>CROCHET + ANTI-FAUSSE MANOEUVRE + GABARIT</p> <p>HOOK + ANTI-OPERATION DEVICE + JIG</p>	<p>CP 50 CP 50-Mb CP 50-Ga</p>		
	<p><b>062.7126.--</b></p> <p>GACHE</p> <p>RECEIVER</p>	<p>CP 50 CP 50-Mb CP 50-Ga</p>		
	<p><b>062.7160.--</b></p> <p>PIECE DE DISTANCE</p> <p>DISTANCE BUSH</p>	<p>CP 50 062.7145.XX</p> <p>CP 50-Ga 062.7145.XX</p> <p>CP 45Pa</p> <p>CP 50-Mb</p>		
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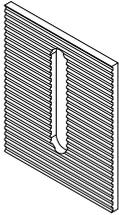
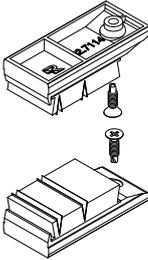
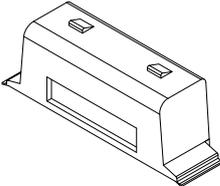
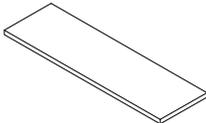
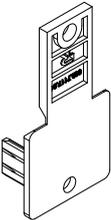
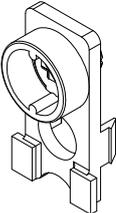


 	<p><b>062.7203.00</b></p> <p>SET VERROUILLAGE</p> <p>SET CLOSURE</p>	<p>CP 50</p>		
 	<p><b>062.7208.00</b></p> <p>ENTRETOISE</p> <p>SPACER</p>	<p>CP 50</p>		
	<p><b>062.7221.04</b></p> <p>TÉLÉCOMMANDE</p> <p>REMOTE CONTROL</p>	<p>CP 50</p>		
Empty section for additional accessories				

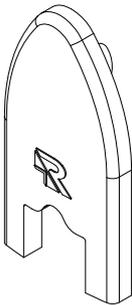
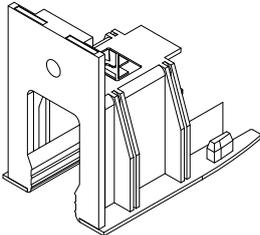
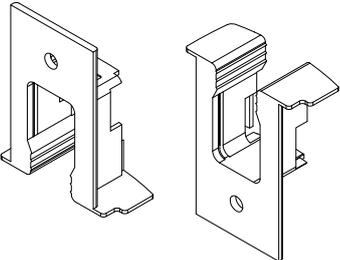
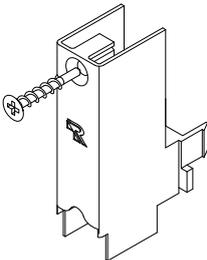
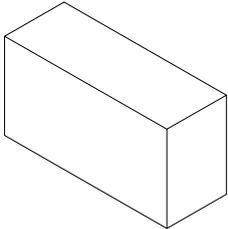


	<p><b>062.7113.--</b></p> <p>FERMETURE A 3 POINTS</p> <p>3-POINT LOCK</p>	<p>CP 50 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 50-Mb 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 50-Ga 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p>		
  	<p><b>062.7174.--</b></p> <p>FERMETURE A 3 POINTS SANS CYLINDRE</p> <p>3-POINT LOCK WITHOUT CYLINDRE</p>	<p>CP 50 CP 45Pa (GR)</p>		
  	<p><b>062.7176.--</b></p> <p>FERMETURE A 3 POINTS AVEC CYLINDRE</p> <p>3-POINT LOCK WITH CYLINDRE</p>	<p>CP 50 CP 45Pa (GR)</p>		

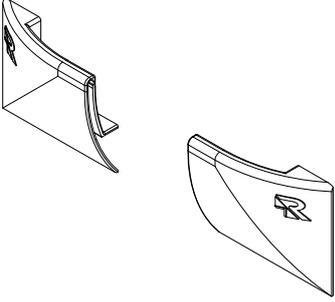
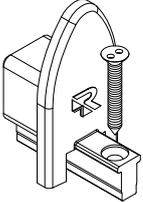
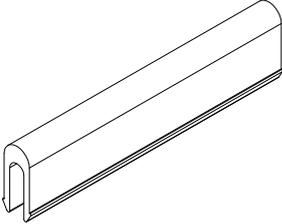
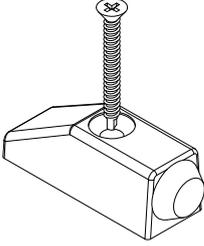
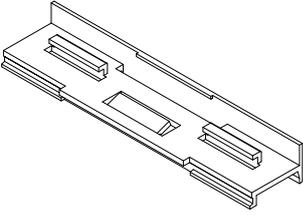


 	<p><b>024.5044.01</b></p> <p>CALE D'AJUSTEMENT 2.5MM ADJUSTING BLOCK 2.5MM</p>	<p>CS 45Pa CP 50 CP 50-Mb CP 50-Ga</p>		
	<p><b>062.7114.04</b></p> <p>ENSEMBLE BROSSSE D'ETANCHEITE CENTRALE SET SEALING BRUSHES</p>	<p>CP 50 CP 50-Mb CP 50-Ga</p>		
	<p><b>062.7115.04</b></p> <p>CAPUCHON DRAINAGE D'EAU WEEP HOLE COVER</p>	<p>CP 50 CP 50-Mb</p>		
	<p><b>062.7116.04</b></p> <p>SUPPORT CALE DE VITRAGE GLASS SUPPORT</p>	<p>CP 50 CP 50-Mb CP 50-Ga</p>		
	<p><b>062.7117.04</b></p> <p>PIECE FINALE TRAVERSE END PART TRANSOM-MULLION</p>	<p>CP 50 006.2086.XX</p> <p>CP 50-Mb 006.2086.XX</p> <p>CP 50-Ga 006.2086.XX</p>		
	<p><b>062.7118.04</b></p> <p>BOUCHE-TROU PLUG</p>	<p>CP 50 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 50-Mb 006.1061.XX 006.1062.XX 006.1063.XX</p>	<p>006.1068.XX</p>	

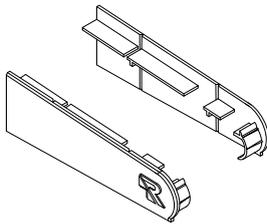
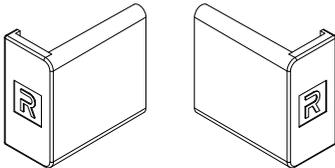
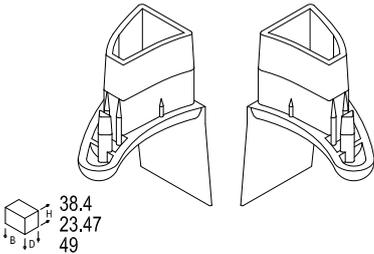
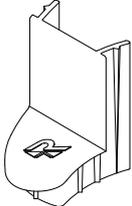
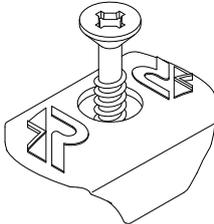
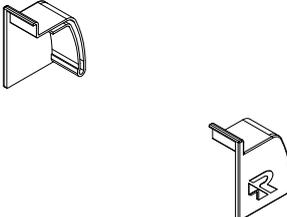


	<p><b>062.7119.SY</b></p> <p>CACHE CLIPABLE</p> <p>COVERING PROFILE</p>	<p>CP 50 006.1064.XX 006.1065.XX 006.1066.XX 006.1067.XX</p> <p>CP 50-Mb 006.1064.XX 006.1065.XX 006.1066.XX 006.1067.XX</p>		
	<p><b>062.7120.04</b></p> <p>PIECE FINALE</p> <p>END PIECE</p>	<p>CP 50 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 50-Mb 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p> <p>CP 50-Ga</p>	<p>006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p>	
	<p><b>062.7121.04</b></p> <p>BOUCHON CHICANE</p> <p>CAP MEETING SECTION</p>	<p>CP 50 006.1064.XX 006.1065.XX 006.1066.XX 006.1067.XX</p> <p>CP 50-Mb 006.1064.XX 006.1065.XX 006.1066.XX 006.1067.XX</p> <p>CP 50-Ga</p>	<p>006.1064.XX 006.1065.XX</p>	
	<p><b>062.7122.SY</b></p> <p>PIECE FINALE POUR 006.1052.XX</p> <p>END PIECE FOR 006.1052.XX</p>	<p>CP 50 006.1052.XX</p> <p>CP 50-Mb 006.1052.XX</p> <p>CP 50-Ga 006.1052.XX</p>		
	<p><b>062.7123.01</b></p> <p>BOUCHON RAIL</p> <p>CAP RAIL</p>	<p>CP 50 CP 50-Mb CP 50-Ga</p>		



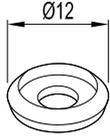
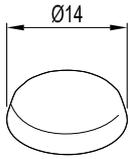
	<p><b>062.7111.SY</b></p> <p>PIECE D'ETANCHEITE</p> <p>SEALING PIECE</p>	<p>CP 50</p> <p>006.1001.XX 006.1007.XX 006.1009.XX 006.1010.XX 006.1021.XX 006.1022.XX</p>		
	<p><b>062.7140.SY</b></p> <p>FERMETURE DORMANT</p> <p>END PIECE FIXED FRAME</p>	<p>CP 50</p>		
	<p><b>062.7142.04</b></p> <p>OBTURATEUR DE RAIL HAUT</p> <p>TOP RAIL CLOSER</p>	<p>CP 50</p> <p>006.1001.XX 006.1007.XX 006.1009.XX 006.1015.XX 006.1016.XX 006.1021.XX 006.1022.XX</p> <p>CP 50-Mb</p>		
	<p><b>062.7143.XX</b></p> <p>BUTEE</p> <p>BUFFER</p>	<p>CP 50-Ga</p> <p>006.1026.XX 006.1036.XX</p> <p>CP 50</p> <p>006.1001.XX 006.1007.XX 006.1009.XX 006.1015.XX 006.1016.XX 006.1021.XX 006.1022.XX</p>	<p>CP 50-Mb</p>	
	<p><b>062.7144.04</b></p> <p>CLIP</p> <p>CLIP</p>	<p>CP 50</p> <p>006.1010.XX</p>		



	<p><b>024.5557.SY</b></p> <p>PIECE FINALE BAVETTE END PIECE SILL</p>	<p>CP 50 017.0236.XX</p> <p>CS 45Pa OUVEA TS 57-Fv S-Fr</p>		
	<p><b>062.7011.SY</b></p> <p>PIECE D'ETANCHEITE END PIECE FIXED FRAME</p>	<p>CP 50Fu</p>		
	<p><b>062.7090.SY</b></p> <p>PIECES FINALES END PIECES</p>	<p>CP 50</p>		
	<p><b>062.7146.SY</b></p> <p>EMBOUT RAIDISSEUR END PIECE NEWEL POST</p>	<p>CP 50 006.1065.XX 006.1066.XX</p> <p>CP 50-Mb 006.1065.XX 006.1066 CP 50-Ga</p>		
	<p><b>062.7147.SY</b></p> <p>GUIDE DE VANTAIL VENT GUIDE</p>	<p>CP 50</p>		
	<p><b>062.7157.SY</b></p> <p>CAPUCHON ABDECKKAPPE</p>	<p>CP 50 006.1040.XX</p>		



	<p><b>062.7091.SY</b></p> <p>PIECES FINALES END PIECES</p>	<p>CP 50</p>		
	<p><b>062.7161.SY</b></p> <p>PIECE FINALE END PIECE</p>	<p>CP 50 006.1065.XX 006.1066.XX</p> <p>CP 50-Mb 006.1065.XX 006.1066.XX</p> <p>CP 50-Ga 006.1065.XX 006.1066.XX</p>		
	<p><b>062.7162.SY</b></p> <p>PIECE FINALE END PIECE</p>	<p>CP 50 006.1062.XX 006.1063.XX 006.1163.XX</p> <p>CP 50-Mb 006.1062.XX 006.1063.XX 006.1163.XX</p> <p>CP 50-Ga 006.1062.XX 006.1063.XX 006.1163.XX</p>		
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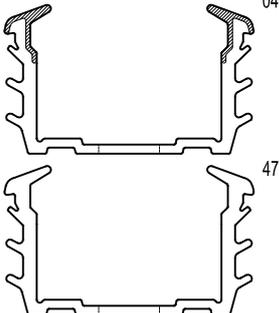
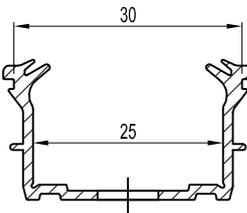
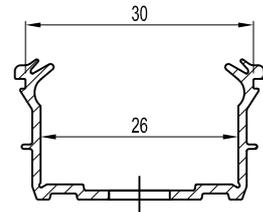
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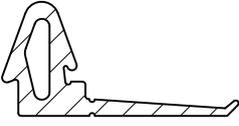
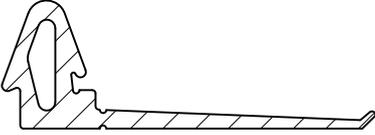
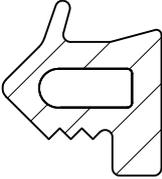
CAPUCHON

FACE CAP

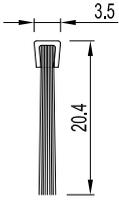
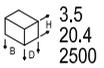
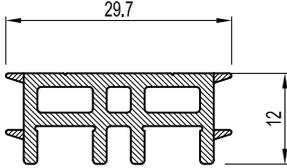
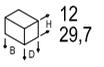
CP 50  
CP 130  
CP 155  
CR 120  
MOOREA(FR)



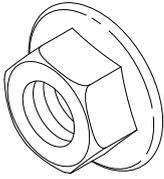
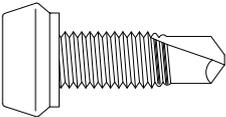
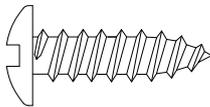
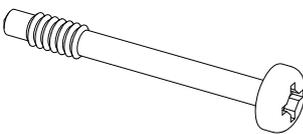
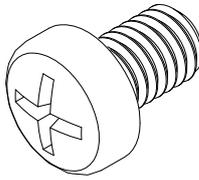
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	<p><b>080.9021.04</b></p> <p>JOINT DE VITRAGE 25MM</p> <p>GLAZING GASKET 25MM</p>	<p>CP 50</p> <p>006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX 006.2085.XX 006.2086.XX</p>		
	<p><b>080.9022.04</b></p> <p>JOINT DE VITRAGE 26MM</p> <p>GLAZING GASKET 26MM</p>	<p>CP 50</p> <p>006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX 006.2085.XX 006.2086.XX CP 50-Mb 006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX 006.2085.XX</p>	<p>006.2086.XX</p>	

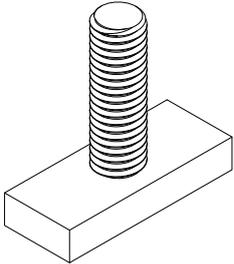
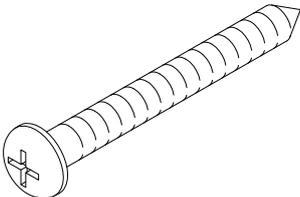
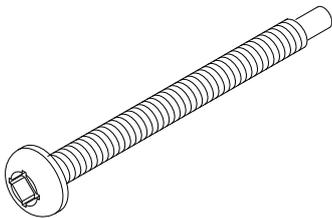
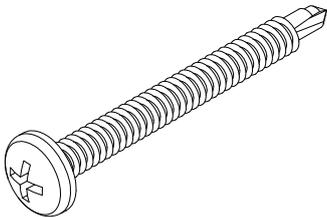
 				
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	<p><b>022.2019.04</b></p> <p>JOINT</p> <p>GASKET</p>	<p>CS 45Pa</p> <p>CP 50</p>		
	<p><b>022.2026.04</b></p> <p>JOINT D'OBTURATION</p> <p>SLIT GASKET</p>	<p>CS 45Pa</p> <p>CP 50</p> <p>CP 50-Mb</p> <p>CP 50-Ga</p>		
	<p><b>022.3036.04</b></p> <p>JOINT D'ASSEMBLAGE ADAPTABLE</p> <p>ADAPTABLE END GASKET</p>	<p>CW 50-FV</p> <p>CS 45Pa</p> <p>BOREALE</p> <p>CW 86</p> <p>CP 50</p>		
	<p><b>081.9098.07</b></p> <p>JOINT-BROSSE AVEC FINSEAL 7.5x5.8</p> <p>WOOLPILE WITH FINSEAL 7.5x5.8</p>	<p>CP 50</p> <p>006.1061.XX</p> <p>-</p> <p>006.1062.XX</p> <p>-</p> <p>006.1063.XX</p> <p>-</p> <p>006.1068</p> <p>006.2085.XX</p> <p>-</p> <p>006.1068</p> <p>006.2085.XX</p> <p>CP 50-Mb</p> <p>006.1061.XX</p> <p>-</p>	<p>006.1062.XX</p> <p>-</p> <p>006.1063.XX</p> <p>-</p> <p>006.1068</p> <p>006.2085.XX</p> <p>CP 50-Ga</p>	

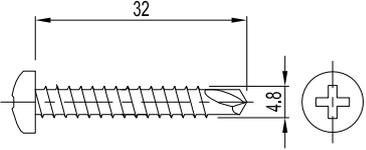
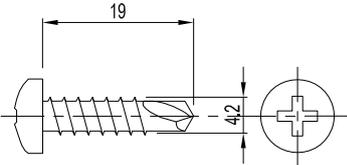


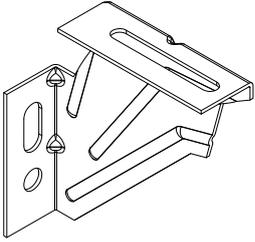
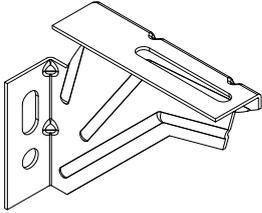
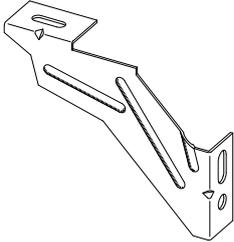
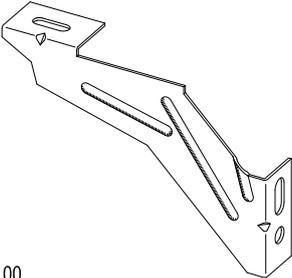
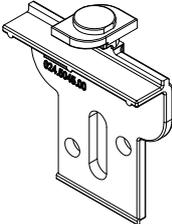
 	<p><b>029.5401.04</b></p> <p>JOINT-BROSSE 15.5MM</p> <p>WOOLPILE 15.5MM</p>	<p>CD 50-SD</p>		
 	<p><b>006.1057.SY</b></p> <p>BOUCLIER THERMIQUE</p> <p>THERMAL BREAK</p>	<p>CP 50 CP 50-HI</p>		

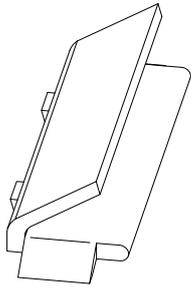
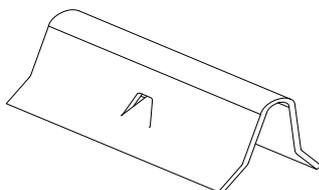
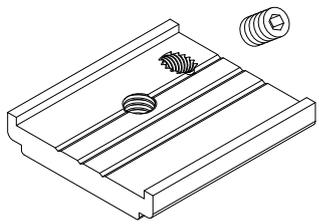


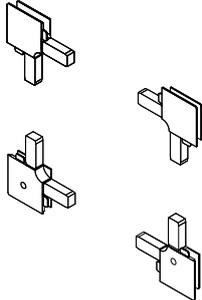
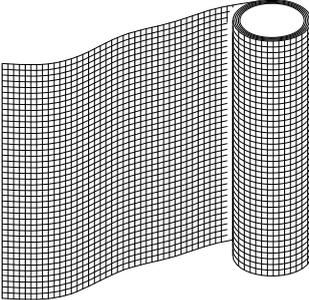
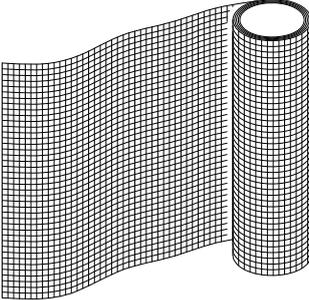
 	<p><b>024.5042.--</b></p> <p>ECROU HEXAGONALE M5</p> <p>HEXAGON NUT M5</p>	<p>CP 50</p>		
	<p><b>024.5521.--</b></p> <p>100 VIS AUTOPERCEUSE 4.8x14</p> <p>100 SCREW SELF-DRILLING 4.8x14</p>	<p>PALMA CP 50</p>		
	<p><b>033.0102.--</b></p> <p>100 VIS DE FIXATION INOX 2.9x9.5MM</p> <p>100 FIXING SCREW INOX 2.9x9.5MM</p>	<p>CS 45Pa CP 50 CP 45Pa CP 45Pa (GR)</p>		
	<p><b>037.7317.--</b></p> <p>100 VIS AUTOPERCEUSE 4.2x37</p> <p>100 SCREW SELF-DRILLING 4.2x37</p>	<p>CS 45Pa CP 50</p>		
	<p><b>050.5106.--</b></p> <p>VIS M5x10</p> <p>SCREW M5x10</p>	<p>CP 50</p>		

	<p><b>050.5340.--</b></p> <p>PIECE DE FIXATION CP 50</p> <p>FIXATION PLATE CP 50</p>	<p>CP 50</p>		
	<p><b>052.5301.--</b></p> <p>200 VIS PARKER DIN 7981 INOX 4.8 x 38</p> <p>200 ST-SCREW DIN 7981 INOX 4.8 x 38</p>	<p>CP 155 CP 50 FIXATIONS</p>		
	<p><b>052.5311.--</b></p> <p>200 VIS PARKER DIN 7982 INOX 4.2 x 16</p> <p>200 ST-SCREW DIN 7982 INOX 4.2 X 16</p>	<p>BS 100 CS 77-BP CW 86 FIXATIONS TS 57-FV (FR)</p>		
	<p><b>052.5325.--</b></p> <p>VIS 4.2x50</p> <p>SCREW 4.2x50</p>	<p>CP 50-Mb 006.1090.XX 006.1091.XX 006.1093.XX 006.1094.XX 006.1095.XX 006.1102.XX 006.1105.XX</p> <p>CP 50 006.2086.XX</p> <p>CP 50-Ga</p>		
	<p><b>053.5402.--</b></p> <p>20 VIS AUTOPERCEUSE DIN 7504N INOX 4.2 x 38</p> <p>20 SCREW SELF-DRILLING DIN 7504N INOX 4.2 x 38</p>	<p>CP 45Pa CP 50 CW 50 FIXATIONS</p>		

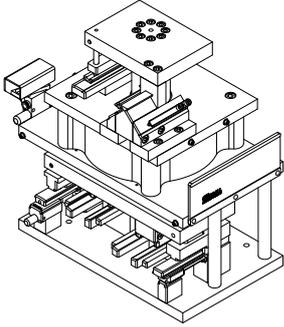
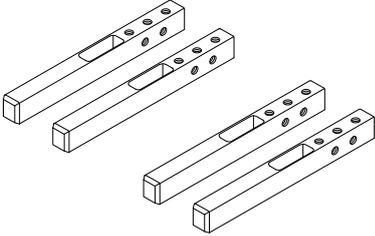
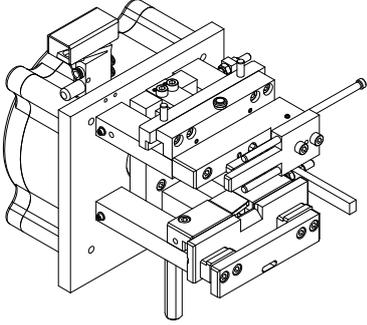
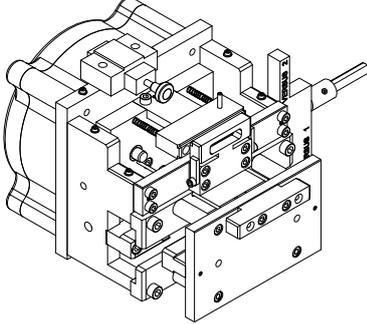
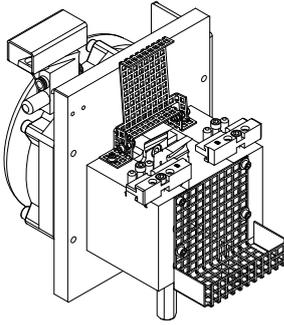
	<p><b>053.5411.--</b></p> <p>200 VIS AUTOPERCEUSE DIN 7504N INOX 4.8x32</p> <p>200 SCREW SELF-DRILLING DIN 7504N INOX 4.8x32</p>	<p>CW 50 FIXATIONS</p>		
	<p><b>053.5412.--</b></p> <p>200 VIS AUTOPERCEUSE DIN 7504N INOX 4.2x19 TCL Ø3.9x9.5 DIN7971</p> <p>200 SCREW SELF-DRILLING DIN 7504N INOX 4.2x19 TCL Ø3.9x9.5 DIN7971</p>	<p>BOREALE (FR) CP 155 CP 50 CW 50 FIXATIONS</p>		
	<p><b>057.5711.--</b></p> <p>50 ECROU NOYE TETE FRAISEE ALU M5</p> <p>50 BLIND RIVET NUT COUNTERSUNK HEAD ALU M5</p>	<p>CP 50 CS 24-SL CW 50 CW 50-HL CW 60 CW 86 FIXATIONS</p>		
	<p><b>068.5938.--</b></p> <p>CLOU JONCTION-T</p> <p>DRIVE PIN T-BRACKET</p>	<p>CP 50 angle CP 130 CS 130-LS CS 155 CP 155-LS CS 86-HI CW 60 CW 86 Eco system Eco system-AP</p>		

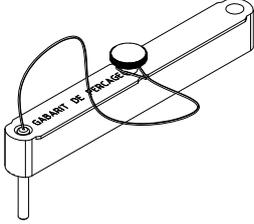
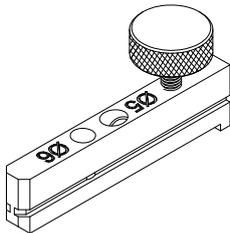
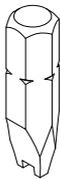
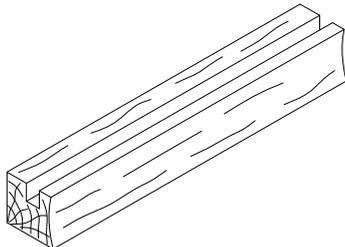
				
 	<p><b>021.5170.--</b></p> <p>PIECE DE FIXATION 95-100</p> <p>FIXING PIECE 95-100</p>	<p>CS 45Pa CP 50 CP 45Pa CP 50-Mb</p>		
 	<p><b>021.5172.--</b></p> <p>PIECE DE FIXATION 115-120</p> <p>FIXING PIECE 115-120</p>	<p>CS 45Pa CP 50 CP 45Pa CP 50-Mb</p>		
 	<p><b>021.5173.--</b></p> <p>PIECE DE FIXATION 135-140</p> <p>FIXATION PLATE 135-140</p>	<p>CP 50 CP 50-Mb</p>		
 	<p><b>021.5174.--</b></p> <p>PIECES DE FIXATION 155-160</p> <p>FIXATION PLATES 155-160</p>	<p>CS 45Pa CP 50 CP 45Pa CP 50-Mb</p>		
	<p><b>024.5045.00</b></p> <p>PIECE DE FIXATION</p> <p>FIXATION PLATE</p>	<p>TS 57-Fv XS 50 CP 50</p>		

			
	<p><b>021.5146.07</b></p> <p>SACHET 100 CLIPS HABILLAGE EXT</p> <p>100 CLIPS FIXATION FACE CAPS</p>	<p>CS 45Pa CP 50 CP 45Pa</p>	
	<p><b>021.5681.SY</b></p> <p>BUTEE</p> <p>BUFFER</p>	<p>CP 50 CP 45Pa</p>	
	<p><b>024.5003.--</b></p> <p>100 PIECE D'ECARTEMENT</p> <p>100 DISTANCE PIECE</p>	<p>CS 45Pa CP 50 CP 45Pa</p>	
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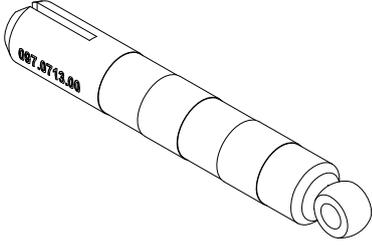
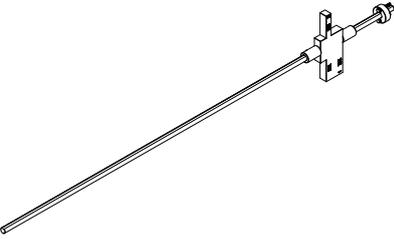
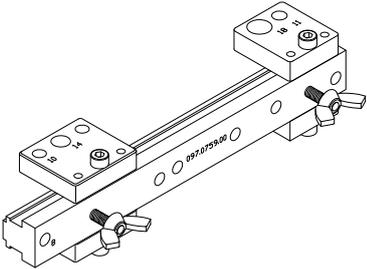
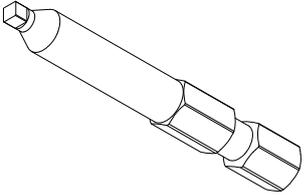
				
	<p><b>037.5615.SY</b></p> <p>SET DE MONTAGE SUPPORT MOSQUITO ASSEMBLY SET CONSOLE MOSQUITO</p>	<p>MOOREA 049.5110.XX CP 45Pa (GR)</p>		
	<p><b>037.5616.SY</b></p> <p>JOINT-BROSSE MOSQUITO WOOLPILE MOSQUITO</p>	<p>MOOREA</p>		
	<p><b>037.5617.04</b></p> <p>JOINT D'ASSEMBLAGE MOSQUITO END GASKET MOSQUITO</p>	<p>MOOREA</p>		
	<p><b>077.7011.04</b></p> <p>MOUSTIQUAIRE MOSQUITO</p>	<p>MOOREA OUVEA</p>		
	<p><b>077.7012.04</b></p> <p>MOUSTIQUAIRE MOSQUITO</p>	<p>MOOREA OUVEA</p>		



 	<p><b>097.J800.00</b></p> <p>BLOC OUTIL MULTIFONCTIONNEL -OUVRANTS MULTIFUNCTIONAL PUNCH TOOL -VENTS</p>	<p>006.1061.XX 006.1062.XX 006.1063.XX 006.1064.XX 006.1065.XX 006.1066.XX 006.1067.XX 006.1068.XX 006.2085.XX 006.2086.XX</p>		
	<p><b>097.J821.00</b></p> <p>MATRICE MOULD</p>	<p>CP 50Fu 006.0962.XX 006.0963.XX 006.0965.XX 006.0966.XX</p>		
	<p><b>097.J900.00</b></p> <p>BLOC OUTIL MULTIFONCTIONNEL -DORMANTS MULTIFUNCTIONAL PUNCH TOOL -OUTER FRAMES</p>	<p>006.1001.XX 006.1003.XX 006.1007.XX 006.1009.XX 006.1010.XX 006.1015.XX 006.1016.XX 006.1021.XX 006.1022.XX 006.1023.XX 006.1041.XX</p>		
	<p><b>097.K000.00</b></p> <p>BLOC OUTIL MULTIFONCTIONNEL -FERMETURES MULTIFUNCTIONAL PUNCH TOOL -LOCKS</p>	<p>006.1061.XX 006.1062.XX 006.1063.XX 006.1068.XX</p>		
	<p><b>097.K900.00</b></p> <p>BLOC OUTIL MULTIFONCTIONNEL -DORMANTS MULTIFUNCTIONAL PUNCH TOOL -OUTER FRAMES</p>	<p>006.1001.XX 006.1003.XX 006.1009.XX 006.1016.XX</p>		

	<p>097.0559.00</p> <p>GABARIT DE PERCAGE POUR POIGNEE</p> <p>BORING JIG FOR HANDLE</p>			
	<p>097.0562.00</p> <p>GABARIT DE PERCAGE</p> <p>BORING JIG</p>	006.1010.XX		
	<p>090.9984.--</p> <p>FRAISE</p> <p>MILLING HEAD</p>	<p>CP 50</p> <p>006.1061.XX</p> <p>-</p> <p>006.1062.XX</p> <p>-</p> <p>006.1063.XX</p> <p>-</p> <p>006.1068</p>		
	<p>090.5616.--</p> <p>EMBOUT POUR VIS INVOLABLE</p> <p>ADAPTATOR FOR SAFETY SCREW</p>			
	<p>097.0557.00</p> <p>CONTRE FORME POUR ASSEMBLAGE DES OUVRANTS</p> <p>ADAPTATOR FOR VENT ASSEMBLY</p>			



	<p><b>097.0713.00</b></p> <p>OUTIL TOOL</p>	<p>CP 50 XS 50</p>		
	<p><b>097.K007.00</b></p> <p>KIT DE BUTEE REVERSIBLE SET</p>	<p>CP 50</p>		
	<p><b>097.0759.00</b></p> <p>GABARIT DE PERCAGE DRILLING JIG</p>	<p>CP 50 ANGLE</p>		
	<p><b>024.0702.--</b></p> <p>EMBOUT SR2 ADAPTATOR SR2</p>	<p>CP 50 XS 50(FR)</p>		







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