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67.F.079_01.001	24/08/2021	D3009059	67.G.031	11/2020	D3006737
67.F.079_01.003	24/08/2021	D3008113	67.G.032	11/2020	D3006752
67.F.080	11/2020	D3007136	67.G.033	11/2020	D3006768
67.F.082	11/2020	D3007133	67.G.034	11/2020	D3006769
67.F.084	11/2020	D3007137	67.G.035	11/2020	D3006771
67.F.086	11/2020	D3007139	67.G.036	11/2020	D3006775
67.F.088	11/2020	D3007142	67.G.037	11/2020	D3006778
67.F.090	11/2020	D3007143	67.G.038	11/2020	D3006779
67.F.092	11/2020	D3007144	67.G.039	11/2020	D0101757
67.F.094	11/2020	D3007145	67.G.040	11/2020	D0068369
67.F.096	11/2020	D3007287	67.G.041	11/2020	D0068367
67.F.097_01.001	24/08/2021	D3008828	67.G.042	11/2020	D3007295
67.F.097_01.003	24/08/2021	D3008844	67.G.043	11/2020	D3007305
67.F.097_01.005	24/08/2021	D3008845	67.G.044	11/2020	D3007301
67.F.097_01.007	24/08/2021	D3009072	67.G.045	11/2020	D3007303
67.F.098	11/2020	D3007146	67.G.046	11/2020	
67.F.100	11/2020	D3007147	67.001	11/2020	
67.F.102	11/2020	D3007149	67.003	11/2020	
67.F.104	11/2020	D3007150	67.005	11/2020	
67.F.106	24/08/2021	D3007231	67.007	11/2020	
67.F.108	11/2020	D3007232			
67.F.110	11/2020	D3007291			
67.F.112	11/2020	D3007243			
67.F.114	11/2020	D3007244			
67.F.116	11/2020	D3007315			
67.F.118	11/2020	D3006994			
67.F.120	11/2020	D3006995			
67.F.122	11/2020	D3006996			
67.F.124	11/2020	D3006997			
67.F.126	11/2020	D3006998			
67.F.128	11/2020	D3006999			
67.F.130	11/2020	D3007000			
67.F.132	11/2020	D3007001			
67.F.134	11/2020	D3007003			
67.F.136	11/2020	D3007002			
67.F.138	11/2020				
67.G.001	11/2020	D3007326			
67.G.002	11/2020	D3007327			
67.G.003	11/2020	D3007328			
67.G.004	11/2020	D3007329			
67.G.005	11/2020	D3006751			
67.G.006	11/2020	D3006753			
67.G.007	11/2020	D3006755			

A



Reynaers
Aluminium

Algemene informatie

Généralités

General Information

Allgemeine Information

	Profil Profilé Profile Profil	Perfil Profil Profil		Verstek Onglet Mitre Gehrung	Inglete Połączenie katowe Taglio
	Anodisatie- of lakoppervlakte Surface anodisée ou laquée Anodizing or coating surface Eloxierte oder lackierte Oberfläche	Superficie anodizada o lacada Powierzchnia anodowana lub malowana Superficie anodizzata o verniciata		Aantal Nombre Number Anzahl	Número Ilość Numero
	Polijstoppervlakte Surface à polir Polishing surface Polieroberfläche	Superficie pulida Powierzchnia polerowana Superficie lucidata		Zie pagina Voir page See page Siehe Seite	Ver página Patrz strona Vedi pagina
	Lengte Longueur Length Länge	Longitud Długość Lunghezza		Type toebehoren Type accessoires Type accessories Typ Zubehör	Tipos de accesorios Rodzaj okuc Tipo di accessorio
	Afmetingen Dimensions Dimensions Abmessungen	Dimensiones Wymiary Dimensioni		Glasmaten Dimensions vitres Glass sizes Glasmasse	Dimensiones de los vidrios Wymiary szyby Dimensioni del vetro
	Toepassing Application Application Anwendung	Aplicación Zastosowanie Utilizzo		Toepassing Application Utilization Anwendung	Aplicación Zastosowanie Riferimenti
	Bevestigingsmiddelen Moyens de fixation Fixations Befestigungsmittel	Fijación Mocowanie Fissaggio		Asymmetrisch profil Profilé asymétrique Asymmetrical profile Asymmetrisches Profil	Perfil asimétrico Profil niesymetryczny Profilo asimmetrico
	Schroeven niet meegeleverd Fourniture sans vis Delivered without screws Lieferung ohne Schrauben	Entregado sin tornillos Dostarczane bez wkrętów Consegnato senza viti		Pagina Page Page Seite	Página Strona Pagina
	Montagevolgorde Ordre de montage The order of assembly Montagereihenfolge	Orden de montaje Kolejność montażu Ordine di montaggio		Laatste editie Dernière édition Last edition Letzte Edition	Edición Poprzednie wydanie Ultima edizione
	Dichtingsmiddel Matière d'étanchéité Sealing agent Abdichtungsmittel	Agente sellante Masa uszczelniająca Siliconatura		Vorige blz Page précédente Previous page Vorige Seite	Página siguiente Poprzednia strona Pagina precedente
	Verlijmen Coller Glue Verkleben	Collado Klej Colla		Verstevigingsprofiel Profil de renforcement Reinforcement profile Verstaerkungsprofil	Perfil refuerzo Profil wzmacniający Profilo di rinforzo
	Vulcaniseerlijm Colle vulcanisante Vulcanizing glue Vulkanisierkleber	Vulcanizante Klej wulkanizacyjny Colla vulcanizzante		Links van buiten gezien Gauche vue extérieur Left seen from outside Links Aussenansicht	Vista izquierda desde el exterior Na lewo widok od zewnątrz Sinistro visto da fuori
	Referentiemaat Dimension de référence Reference dimension Referenzmass	Dimension de referencia Punkt odniesienia wymiarowania Dimensioni di riferimento		Rechts van buiten gezien Droite vue extérieur Right seen from outside Rechts Aussenansicht	Vista derecha desde el exterior Na prawa widok od zewnątrz Destro visto da fuori
	Merkteken Marquage Mark Merkzeichen	Indicación Znak Contrassegno		Reynaprotector Reynaprotector Reynaprotector Reynaprotector	Reynaprotector Reynaprotector Reynaprotector Reynaprotector
	Struktureel gelijmd glaswerk Vitrage extérieur collé Structural sealing glazing UV-beständiger Scheibenrandverbund	Sellado acristalado estructural Szyba klejona spoiwem konstrukcyjnym Siliconatura vetro strutturale		Siliconen met lage modulus, compatibel met structurele verlijming Silicon a bas module, compatible avec le collage structurel Low modulus silicone, compatible with structural bonding Silikon mit niedrigem Modul, das mit strukturellen Verklebungen kompatibel ist	Silicona de bajo módulo, compatible con pegado estructural Silikon o niskim module sprężystości, kompatybilny z silikonem strukturalnym Silicone a basso modulo elastico, compatibile con incollaggio strutturale
	Primaire zichtzijde van een profiel Côté visible primaire d'un profilé Primary visible side of a profile Primäre sichtbare Seite eines Profils	Cara vista principal del perfil Główna widoczna powierzchnia profilu Primo lato visibile di un profilo			
	Secundaire zichtzijde van een profiel Côté visible secondaire d'un profilé Secondary visible side of a profile Sekund. sichtbare Seite eines Profils	Cara vista secundaria del perfil Drugorzędna widoczna powierzchnia profilu Secondo lato visibile di un profilo			
	Kleur buitenschaal (e) eerst aangeven in geval van bicolor (.69) 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) Falls zweifarbig (.69) soll man erst die Farbe des Aussenprofils (e) angeben En cas de bicolore (.69) il faut indiquer d'abord la couleur du				

	Inbraakwerend Anti-vol Burglar proof Einbruchhemmend	Protección anti-robo Antywłamaniowe Antiscasso		Pershoekverbinding Equerre à sertir Crimp corner cleat Presseckverbinder	Escuadra de ensamblar Naroznik zaciskany Squadrette a cianfrinare
	Basisveiligheid Sécurité de base Basic safety Basissicherheit	Seguridad básica Antywłamaniowosc podstawowa Antiscasso base		Hoekverbinding met schroefhoek (*) enkel voor klembaar beslag Equerre à blocage (*) seulement pour accessoires encastrables Corner cleat with screw (*) only for clamping accessories Eckverbinder mit Spannschraube (*) nur für klemmbaren Beschlag	Escuadra de atornillar (*) solo para accesorios apretables Naroznik skrecany (*) tylko dla akcesoriow zatrzaskiwanych Squadrette ad avvitare (*) solo per accessori a scatto
	Testen uitgevoerd volgens norm DIN V ENV 1627 Essais effectués par conformément la norme DIN V ENV 1627 Tests carried out according to standard DIN V ENV 1627 Einbruchhemmende Prüfungen gemäß Norm DIN V ENV 1627	Ensayos realizados según norma DIN V ENV 1627 Badania wykonane według normy DIN V ENV 1627 Antiscasso secondo DIN V ENV 1627		T-verbinding met schroef Jonction-T avec vis T-bracket with screw T-Verbinder mit Schraube	Tope de union con tornillo Lacznik teowy skrecany Giunti con viti
	Testen uitgevoerd volgens norm NEN 5096 + ENV 1627 Essais effectués par conformément la norme NEN 5096 + ENV 1627 Tests carried out according to standard NEN 5096 + ENV 1627 Einbruchhemmende Prüfungen gemäß Norm NEN 5096 + ENV 1627	Ensayos realizados según norma NEN 5096 + ENV 1627 Badania wykonane przez NEN 5098 + ENV 1627 Antiscasso secondo NEN 5098 + ENV 1627		T-verbinding met schroef voor buitendraaiend raam Jonction-T avec vis pour fenêtre ouvrant vers l'ext. T-bracket with screw outside opening window T-Verbinder mit Schraube ausßen öffnendes Fenster	Tope Unión con tornillo apertura exterior Lacznik teowy skrecany do okien otwieranych na zewnątrz Cavallotti conuiti ap est.
	Testen uitgevoerd door instituut IBS (Oostenrijk) volgens norm Ö B 3800/3850 Essais effectués par IBS(Autriche) conformément la norme Ö B 3800/3850 Tests carried out by IBS (Austria) according to standard Ö B 3800/3850 Brandschutzprüfungen durch- geführt beim IBS (Österreich) gemäß Norm Ö B 3800/3850	Ensayos hechos por IBS (Austria) según la estandard Ö B 3800/3850 Badania wykonane przez IBS (Austria) według norm Ö B 3800/3850 Testato presso IBS (Austria) IBS secondo Ö B 3800/3850		Vulhoek Equerre de remplissage Corner support Fülleckwinkel	Escuadra de relleno Wspornik narozny Squadretta di riempimento
	Testen uitgevoerd door instituut TNO (Nederland) volgens norm NEN 6069:1997 Essais effectués par TNO (Hollande) conformément la norme NEN 6069:1997 Tests carried out by TNO (The Netherlands) according to standard NEN 6069/1997 Brandschutzprüfungen durch- geführt beim IBS (Österreich) gemäß Norm Ö B 3800/3850	Ensayos realizados fuera por TNO(Holanda) según norma NEN 6069/1977 Badania wykonane przez TNO (Holandia) według norm NEN 6069/1977 Testato presso TNO (Paesi Bassi) secondo NEN 6069/1977		Verstelbare schroefhoek Equerre à visser réglable Adjustable screw corner cleat Verstellbarer Schraubeckwinkel	Escuadra de atornillar regulable Katowy naroznik skrecany Squadrette ad avvitare regolabili
	Steunhoeken verstelbaar Cales de feuillure réglables Rebate supports adjustable Verstellbare Eckwinkel Glasanschlag	Escuadra de alineamiento regulable Katowy naroznik nastawny Squadretta di allineamento regolabile		Hoekverbinding met nagel Equerre avec cheville Corner cleat with drive pin Eckverbinder mit Stift	Escuadra con clavia Lacznik narozny sworzniowy Squadretta a spinare
	Testen uitgevoerd volgens norm EN 1634-1(deuren) en EN 1364-1 (beglaasde wanden) Essais effectués par conformément la norme EN 1634-1(portes) et EN 1364-1(parois vitrés) Tests carried out according to standard EN 1634-1(doors) EN 1364-1(glazed partitioning) Prüfungen gemäß Norm EN 1634-1(Türen) und EN 1364-1(verglaste Wände)	Ensayos realizados según norma 1634-1/ EN 1364-1 - Badania wykonane według normy 1634-1 / EN 1364-1 - Antifuoco secondo EN 1634-1 / EN 1364-1 -		T-verbinding met nagel Jonction-T avec cheville T-bracket with drive pin T-Verbinder mit Stift	Tope de union con clavia Lacznik teowy sworzniowy Cavallotto a spinare
	Toebehoren brandwerend Accessoires anti-feu Fire-proof accessories Feuerhemmender Zubehör	Accesorios resistente al fuego Akcesoria ognioodporne Accessori Anti fuoco		T-verbinding met nagel voor buitendraaiend raam Jonction-T avec cheville pour fenêtre ouvrant vers l'ext. T-bracket with drive pin outward opening window T-Verbinder mit Stift nach ausßen öffnendes Fenster	Tope unión con clavia apertura exterior Lacznik teowy sworzniowy do okien otwieranych na zewnątrz Cavallotto a spinare ap. est.
	Brandcurve voor buitentoepassingen Courbe de feu complète External fire curve Externe Brandkurve	Accessorios resistente al fuego Akcesoria ognioodporne Accessori Anti fuoco		Verstelbare T-verbinding Jonction-T réglable Adjustable T-bracket Verstellbarer T-Verbinder	Union T regulable Lacznik teowy nastawny Giunti a T regolabili
	Volledige brandcurve voor binnentoepassingen Courbe de feu interne (complète) (Full) Internal fire curve (Volle) Interne Brandkurve	Accessorios resistente al fuego Akcesoria ognioodporne Accessori Anti fuoco		Kruisverbindingen Jonctions transversales Cross connections Kreuzverbindungen	Uniones transversales Polaczenie krzyzowe Collegamento a croce
	Gelaagd glas Verre feuilleté Laminated glass Verbundglas	Vidrio Laminado Szyba laminowana Vetro laminato		Kruisverbinding met schroef Jonction transversale avec vis Cross connection with screw Kreuzverbindung mit Schraube	Union transversal con tornillo Polaczenie krzyzowe skrecane Collegamento a croce con viti
	Glas Verre Glass Glas	Vidrio Szyba Vetro		Bevestiging drager Fixation chevon Fixation rafter Befestigung Dachsparren	Fijacion mainel Mocowanie krokwi Fissaggio montante
	Handleiding Manuel Manual Gebrauchsanweisung	Manual Instrukcja Manuale		Alleen voor CS 77 Seulement pour CS 77 Only for CS 77 Nur für CS 77	Solo para CS 77 Tylko do CS 77 Solo per CS 77

	Alleen voor CS 59 Seulement pour CS 59 Only for CS 59 Nur für CS 59	Solo para CS 59 Tylko do CS 59 Solo per CS 59		Elektrische deuropener Gâche pour serrure électrique Electric door opener Elektrischer Türöffner	Portero automatico Elektryrgiel Apertura porta elettrica
	Alleen voor CS 68 Seulement pour CS 68 Only for CS 68 Nur für CS 68	Solo para CS 68 Tylko do CS 68 Solo per CS 68		Deurgrendels en kantschuiven Verrous de condamnation portes Flush and door bolts Kantriegel und Türriegel	Pasadores puerta Rygle biernych skrzydeł Catenaacciolo chiusura centrale
	Eénpuntsluiting Fermeture à 1 point 1-Point lock Einfachverriegelung	Cerradura de 1 punto Zamek 1-punktowy Serratura a 1 punto di chiusura		Geen elektrische spanning bij gesloten deur En cas de porte fermé pas des tension électrique No electric tension in case of closed door Keine elektrische Spannung bei geschlossener Tür	Sin tensión eléctrica en caso de que la puerta esté cerrada Brak elektrycznego napięcia w przypadku zamkniętych drzwi Stacco tensione a porta chiusa
	Eénpuntsluiting met dagschieter Fermeture à 1 point à pêne 1-Point lock with latch Einfachverriegelung mit Falle	Cerradura 1 punto golpe Zamek 1-punktowy Serratura a 1 punto di chiusura con scrocco			
	Eénpuntsluiting met rol Fermeture à 1 points à rouleau 1-Point lock with roller Einfachverriegelung mit Rolle	Cerradura de 1 punto con rodillo Zamek 1-punktowy z barylka Serratura a 1 punto di chiusura con rullino		Raampompen Crémones Window handles Handhebel	Cremona Klamka okienna Cremonese
	Haakslot Serrure à crochet Hook lock Hakenschluss	Cerradura gancho Zamek hakowy Serratura a gancio		Deurkrukken Béquilles Door handles Türdrücker	Manubrios Klamka drzwiowa Maniglie
	Tweepuntsluiting Fermeture à 2 points 2-Point lock Zweifachverriegelung	Cerradura de 2 puntos Zamek 2-punktowy Serratura a 2 punti di chiusura		Sluitingen dubbele deur Serrures pour porte double Locks for double door Türeibriegel	Cerradura puerta doble Blokada drzwi dwuskrzydłowych Serratura porta a 2 ante
	Driepuntsluiting Fermeture à 3 points 3-Point lock Dreifachverriegelung	Cerradura de 3 puntos Zamek 3-punktowy Serratura a 3 punti di chiusura		Raampomp naar buiten draaiend raam Crémone fenêtre ouvrant vers l'extérieur Handle outward opening window Handhebel nach aussen öffnendes Fenster	Cremona ventana apertura exterior Klamka okna otwieranego na zewnątrz Cremonese apertura est.
	Driepuntsluiting met rol Fermeture à 3 points à rouleau 3-Point lock with roller Dreifachverriegelung mit Rolle	Cerradura de 3 puntos con rodillo Zamek 3-punktowy z barylka Serratura a 3 punti di chiusura con rullino			
	Vierpuntsluiting Fermeture à 4 points 4-Point lock Vierfachverriegelung	Cerradura de 4 puntos Zamek 4-punktowy Serratura a 4 punti di chiusura		Raamscharnieren Paumelles pour fenêtres Window hinges Fensterbänder	Bisagras ventana Zawias okienny Cerniere
	Vijfpuntsluiting Fermeture à 5 points 5-Point lock Fünffachverriegelung	Cerradura de 5 puntos Zamek 5-punktowy Serratura a 5 punti di chiusura		Deurscharnieren 2-delig Paumelles porte 2-partite Door hinges 2-part Türbänder 2-teilig	Pernio puerta 2 palas Zawias drzwiowy 2-czesciowy Cerniera 2 ali
	Vijfpuntsluiting met rol Fermeture à 5 points à rouleau 5-Point lock with roller Fünffachverriegelung mit Rolle	Cerradura de 5 puntos con rodillo Zamek 5-punktowy z barylka Serratura a 5 punti di chiusura con rullino		Deurscharnieren 3-delig Paumelles porte 3-partite Door hinges 3-part Türbänder 3-teilig	Pernio puerta 3 palas Zawias drzwiowy 3-czesciowy Cerniera 3 ali
	Zespuntsluiting Fermeture à 6 points 6-Point lock Sechsfachverriegelung	Cerradura de 6 puntos Zamek 6-punktowy Serratura a 6 punti di chiusura		Afstandsbusen Pièces de distance Set of distance bushes Distanzbuchsen	Piezas distanciadoras Tuleje dystansowe Set distanziali
	Zevenpuntsluiting Fermeture à 7 points 7-Point lock Siebenfachverriegelung	Cerradura de 7 puntos Zamek 7-punktowy Serratura a 7 punti di chiusura		Geen afstandsbussen nodig Pas de pièces de distance No distance bushes needed Keine Distanzbuchse	No necesario piezas distanciadoras Brak konieczności stosowania tuleji dystansowych Senza distanziali
	Espagnoletslot Fermeture espagnolette Espagnolette Lock Treibriegelverschluss	Cierre ventana Zamek drzwiowy do blokady pionowej Serratura a spagnoletta		Inbraakwerende kogel Bille anti-vol Anti-burglar ball Einbruchhemmende Kugel	Bola proteccion antirobbo Kulka antywłamaniowa Antiscasso
	Cilinders Cylindres Cylinders Zylinder	Bombines Cylindry Cilindri		Dieveklauw Pêne anti-degondage Anti-lift pin Sicherheitsbolzen	Perno antielevador Bolec antywyzaniowy Antisollevarento
	Cylinderplaten Ecussons Cylinder covers PZ-Rosette	Escudos bombin Osłona wkładki bebenkowej Copertura cilindri		Kozjindorpelvoer Pivot de frein aerien Overhead closer Obentürschliesser	Muelle aereo Samozamykacz górny Chiudi porta sup.
	Slotpaden Gâches Receivers Schliessbleche	Gancho Gniazdo rygla zamka Riscontri		Vloerveer Pivot de frein au sol Floor closer Bodentürschliesser	Muelle pavimento puerta Samozamykacz podłogowy Chiudi porta inf.
	Deursluiters Ferre-ports Door closer Türschliesser	Cierrapuertas Samozamykacz drzwiowy Chijdiporta			

	Eindstuk deurvleugel Pièce finale ouvr. porte End piece door vent Endkappe Türflügel		Tapeta hoja puerta Koncowka do skrzydła drzwiowego Terminale anta		Binnenbeglazingsdichting Joint à bourrer Inner glazing gasket Innenverglasungsdichtung		Junta de acristalado interior Uszczelka przyszybowa wewnętrzna Guarnizione del vetro interna
	Eindstukken bodemprofiel Pièces finales profilé de seuil End pieces floor profile Endkappe Schwelle		Piezas terminales perfil suelo Koncowki profilu podłogowego Terminale soglia		Buitenbeglazingsdichting Joint de vitrage extérieur Outer glazing gasket Aussenverglasungsdichtung		Junta de acristalado exterior Uszczelka przyszybowa zewnętrzna Guarnizione del vetro esterna
	Eindstukken Z-T deur Bouchon profilé porte Z-T End pieces Z-T door Endkappe Z-T Tür		Tapetas puerta Z-T Element koncowy Z-T drzwi Terminale profili porte Z e T		Buitenbeglazingsdichting Joint de vitrage extérieur Outer glazing gasket Aussenverglasungsdichtung		Junta de acristalado exterior Uszczelka przyszybowa zewnętrzna Guarnizione del vetro esterna
	Afdichtingen dorpels Profilés latéral pour bavettes Sill end pieces Endstück für Wetterschenkel		Tapetas condensacion Koncowki do profili podokiennych Tappi soglia		Akoestische dichting Joint acoustique Acoustical seal gasket Flügelauflagsdichtung		Junta acustica Uszczelka akustyczna Guarnizione di isolamento acustico
	Glassteunen Supports cale de vitrage Glazing supports Klotzbrücken		Soportes vidrio Podporka pod przeszklenie Supporti per vetro		Middendichtingen Joints centraux Central gaskets Mitteldichtungen		Junta central Uszczelka centralna Guarnizione centrale
	Afdekkap voor waterafvoersleuven Capuchon écoulement d'eau Weep hole cover Abdeckkappe Entwässerung		Deflector aire Maskownica otworu drenazowego Paratempsta		Aanslagdichting Joint de butée Butt strip Anschlagdichtung		Junta tope Uszczelka Guarnizione di battuta
	Eindstukken stolpprofielen Bouchons double ouvrant End parts double casement profile Endkappe Stulpprofil		Tapetas perfil doble hoja Koncowka profilu ruchomego słupka Tappo inversione		Dilatatie dichtingen Joints de dilatation Expansion gaskets Dehnungsdichtungen		Junta de dilatacion Uszczelka dyfuzyjna Guarnizione di espansione
	Koppelstuk Pièce de raccordement Connection piece Kopplungsstück		Pieza de union Element łączący Accessori collegamento		Dichting Joint Gasket Dichtung		Junta Uszczelka Guarnizione
	Eindstukken voor stolpprofielen Bouchons pièce finale pour profilé double ouvrant End parts for double casement profiles Endkappen für Stulpprofile		Tapeta perfil doble hoja Koncowka profilu ruchomego słupka Tappi 2 ante		Dichting Joint Gasket Dichtung		Junta Uszczelka Guarnizione
	Afdichting goot Fermature gouttière End piece gutter Endkappe Rinne		Tapetas canal Koncowka rynny Terminale gronda		Afdichtingsstuk Pièce d'étanchéité Sealing piece Dichtstück		Pieza de sellado Element uszczelniający Accessorio per sigillatura
	Afdichting goot Fermature gouttière End piece gutter Endkappe Rinne		Tapetas canal Koncowka rynny Terminale gronda		Opzwelende Dichting Joint Gonflant Swelling Gasket Schwellende Dichtung		Junta veranda Uszczelka do werandy Guarnizione espansione
	Eindstuk Pièce finale End piece Endkappe		Terminal Koncowka Terminale		Dichting veranda Joint véranda Gasket veranda Dichtung Wintergarten		Junta veranda Uszczelka do werandy Guarnizione veranda
	Stootplaat Arrêt vitrage toiture Glass panel stop Endstück Verglasung		Tope del panel de vidrio Ogranicznik wypełnienia Ferro x vetro		Borsteldichtingen Joints brosse Brushes Bürstendichtungen		Cepillos Szczotki Spazzole
	Veranda type 1 Veranda type 1 Veranda type 1 Veranda Typ 1		Veranda tipo 1 Weranda typu 1 Veranda tipo 1		Isolerend vulstuk Pièce de remplissage isolante Insulating filling piece Isolierendes Füllstück		Pieza de relleno aislante Wkładka izolacyjna Riempimento isolanta
	Paniekdeur Porte de panique Panic door Paniktür		Puerta antipánico Drzwi antypaniczne Porta antipanico		Einddichting Joint d'assemblage End gasket Enddichtung		Junta Uszczelka koncowa Angolo prestampato
	Diversen Divers Miscellaneous Diverse		Diversos Elementy uzupełniające Varie		Isolatie Isolant Insulation Isolation		Aislamiento Izolacja Isolante
	Klemstuk Clip Uchwyty Federklemme		Clip Uchwyty Clip		Brievenkleppen Entrées de courrier Letter boxes Briefeinwurf		Buzones Skrzynka na listy Cassetta posta
	Nokbevestiging Fixation de la faîtière Fixation of the ridge Firstanschluss		Fijacion del resalte Element mocujący kalenicowy Fissaggio colmo		Automatische deurdichtingen Fermatures automatiques Automatic door latches Automatische Türdichtungen		Cierrapuertas automaticos Drzwiowa automat. opadająca listwa Dispositivo di chiusura soglia
	Variant Variante Variant Variante		Variant Variante Variant Variante		Variant Variante Variant Variante		Variant Variante Variant Variante

	Stolp-kipraam Fenêtre double ouvr.-batt. Double casem.-tilt window Stulpfenster D/DK	Ventana abatible doble hoja Okno rozwierano-uchylne dwuskrzydłowe Finestra a 2 ante ribalta		DRAAISCHUIFFRAAM OUVRANT PROJETANT SIDE-HUNG SLIDING WINDOW DREHSCHIEBEFENSTER
	Draaikip Oscillo-battant Turn and tilt Drehkip	Oscilobatiente Okno rozwierano-uchylne Anta ribalta		
	Kipdraai Battantes-ouvrantes Tilt and turn Kippdreh	Batiente oscilante Okno uchylno-rozwierane Anta ribalta inversa		
	Draairaam Fenêtre ouvrante Side-hung window Drehfenster	Ventana practicable Okno rozwierane Battente		
	Stolpraam Fenêtre double ouvrant Double casement window Stulp-Flügel Fenster	Ventana doble hoja Okno rozwierane wuskrzydłowe Finestra a 2 ante		
	Valraam Fenêtre à soufflet Bottom hung window Kipp-Fenster	Ventana abatible Okno uchylne Wasistas		
	Afstandbedieningen valraam Commandes à distance pour fenêtre à soufflet Remote control for fanlight window Oberlichtbeschlag für Kipp-Flügel	Funcionamiento a distancia para ventana de techo Mechanizm do dystansowego uchylania okien Vasistas con telecomando		
	Buitendraaiend raam Fenêtre ouvrant vers l'extérieur Outside opening window Nach aussen öffnendes Fenster	Ventana apertura exterior Okno otwierane na zewnątrz Finestra ad apertura esterna		Verankeringen Ancrages Fixing lugs Verankerungen
	Uitzetzakraam Châssis à l'italienne Top-hung window Senk-Klappfenster	Ventana proyectante con compas Okno wychylnie na zewnątrz Sporgere con frizioni		Bulones y cerraderos Płytki i kolek ryglujący -
	Tuimel- en taatsraam Châssis pivotant Pivot window Schwingflügel	Ventana pivotante Okno obrotowe Bilico		Canal Rynna Gronda
	Vouwdeur Porte pliante Folding door Falttür	Puerta plegable Drzwi harmonijkowe Veranda libro		Ventana de techo Okno dachowe Lucernario
	Schuifkip (TF) Coulissant-tombant (TF) Slide and tilt (TF) Schiebekipptür (TF)	Paralela Uchylno-przesuwny Scorrevole parallelo		Cubierta en material sintético Wypełnienie poliwęglanem na dachy Pannelo
	Schuifraam Fenêtre coulissante Sliding window Schiebefenster	Ventana corredera Okno przesuwne Scorrevole		Cinta autoadhesiva de dos caras Biadesivo
	Parallel opengaand raam Fenêtre ouvrant parallèle Parallel opening window Parallelausstellfenster	Ventana proyectante paralela Okno równoległe wysuwane na zewnątrz Sporgere parallelo		Domótica Domotique Domotics Domotik
	Kipraam Fenêtre battante Tilt window Kippfenster	Oscilo Okno uchylne Vasistas		Perfiles alto aislamiento térmico Profile o wysokiej izolacyjności termicznej Alto isolarento
	Dubbele deur buitendraaiend Porte double ouvrant vers l'ext. Double door outward opening Zweiflügelige Tür aussen öffnend	Puerta doble apertura exterior Drzwi dwuskrzydłowe otw. na zew. Porta due ante apertura esterna		Ruletas Wózki Carrelli
	Deur binnendraaiend Porte ouvrant vers l'int. Door inward opening Tür nach innen öffnend	Puerta apertura interior Drzwi otw. do wewnątrz Porta apertura interna		Varilla de ajuste Listwy regulacyjne Astina
	Deur buitendraaiend Porte ouvrant vers l'ext. Door outward opening Tür aussen öffnend	Puerta apertura exterior Drzwi otw. na zewnątrz Porta apertura esterna		Placa guia Element naprowadzający Guida

	Gereedschap Outillage Tool Werkzeug	Util Narzędzie Utensile		Hydropneumatische pers Presse hydropneumatique Hydropneumatic press Hydropneumatische Presse	Prensa neumática Prasa hydropneumatyczna Pressa idropneumatica
	Gereedschappen en machines voor ontwatering van kader Outillage et machinerie pour drainage dormant Tools and machinery for draining outer frame Werkzeuge und Maschinen für Entwässerung Blendrahmen	Útiles y maquinaria para el drenaje del marco Narzędzia i maszyny do drenazy osiecznic Utensili e macchinari per il drenaggio del telaio		Zaagmachine Tronçonneuse Sawing machine Kreissäge	Maquina de corte Pila do ciec przestrzennych Macchina per taglio
	Gereedschappen en machines voor ontwatering van vleugel Outillage et machinerie pour drainage ouvrant Tools and machinery for draining vent Werkzeuge und Maschinen für Entwässerung Flügel	Útiles y maquinaria para el drenaje de la hoja Narzędzia i maszyny do drenazy skrzydeł Utensili e macchinari per il drenaggio dell'anta		Hoekenpers Sertisseuse Crimper Eckverbindungsmaschine	Ensambladora Zaciskarka narozy Cianfrinatrice
	Gereedschappen en machines voor ontwatering van vleugel Outillage et machinerie pour drainage ouvrant Tools and machinery for draining vent Werkzeuge und Maschinen für Entwässerung Flügel	Útiles y maquinaria para el drenaje de la hoja Narzędzia i maszyny do drenazy skrzydeł Utensili e macchinari per il drenaggio dell'anta		Handmatrijs Matrice manuelle Manual punch tool Handstanzwerkzeug	Prensa manual Wykrojnik reczny Punzonatrice manuale
	Decompressie Decompression Decompression Dekompression	Descompresion Dekompresja Decompressione		Gereedschap voor lijminjectie Outillage pour encollage Tool for injection Werkzeug fuer Klebeinjektion	Util para inyeccion Narzędzie do wtrysku kleju Utensile colla
	Decompressie Decompression Decompression Dekompression	Descompresion Dekompresja Decompressione		Gereedschap voor krukken Outillage pour cremones Tool for handles Werkzeug fuer Handhebel	Util para manetas Narzędzie do klamek Utensile per maniglie
	Gereedschappen en machines voor T-verbinding Outillage et machinerie pour jonction-T Tools and machinery for T-brackets Werkzeuge und Maschinen für T-Verbinder	Útiles y maquinaria para topes de unión Narzędzia i maszyny do polaczen teowych Utensili e macchinari per i giunti		Gereedschap voor sluitlatten Outillage pour tringles Tool for linkbars Werkzeug fuer Schubstange	Util para barras union Narzędzie do listew sterujacych okuciami Utensile per barre di collegamento
	Gereedschappen en machines voor T-verbinding Outillage et machinerie pour jonction-T Tools and machinery for T-brackets Werkzeuge und Maschinen für T-Verbinder	Útiles y maquinaria para topes de unión Narzędzia i maszyny do polaczen teowych Utensili e macchinari per i giunti		Gereedschap voor T-verbindingen Outillage pour connections-T Tool for T-connections Werkzeug fuer T-Verbindungen	Util para topes de union Narzędzie do polaczen Teowych Utensile per travesi
	Gereedschappen en machines voor krukuitsparing Outillage et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Útiles y maquinaria para el cierre Narzędzia i maszyny do zamknięcia Utensili e macchinari per le chiusure		Klemblokken Blocs de serrage Clamping blocks Spannbacken	Bloques de presión Blokki zaciskowe Blocchetti di supporto
	Gereedschappen en machines voor krukuitsparing Outillage et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Útiles y maquinaria para el cierre Narzędzia i maszyny do zamknięcia Utensili e macchinari per le chiusure		Gereedschap voor ontwatering buitenkaders Outillage pour drainage dormants Tool for drainage outer frames Werkzeug fuer Entwässerung Blendrahmen	Util drenaje marco Narzędzie do drenazy osiecznic Utensile per drenaggio telaio
	Multifunctionele matrijs Matrice multifonctionnelle Multifunctional punch tool Mehrzweckstanzwerkzeug	Matriz multifuncional Wykrojnik wielofunkcyjny Punzonatrice multifunzionale		Gereedschap voor hoekverbinding Outillage pour connection d'equerre Tool for corner connection Werkzeug fuer Eckverbindung	Util union esquina Narzędzie do polaczen narozynych Utensile per connessioni d'angolo
	Geleide matrijs Matrice guidée Punch tool Stanzwerkzeug	Matriz Wykrojnik Punzonatrice		Gereedschap voor montage Outillage pour montage Tool for assembly Werkzeug für Montage	Util para colocacion Narzędzie do montazu Utensile assemblaggio
	Handmatig gereedschap Outillage manuel Manual tools Handwerkzeuge	Util manual Narzędzie ręczne Dime		Gereedschap voor deursluter Outillage pour fermeture porte Tool for door closer Werkzeug für Türschliesser	Util para cierrapuertas Narzędzie do samozamykacza drzwiowego Utensile chiu di porta
	Freessjabloon Calibre de fraisage Stencil plate for milling head Fräseschablone	Plantilla para copiadora Szablon do frezarki Maschera per pantografo		Gereedschap voor scharnieren Outillage pour charnières Tool for hinges Werkzeug für Bänder	Util para bisagras Narzędzie do zawiasy Utensile cerniere
	Enkelkopse freemachine Frais. à copier à une broche Copy router 1 spindle Einspindel-Kopierfräse	Copiadora de un cabezal Frezarka z jedna głowica Pantografo di copia a 1 mandrino 1 mandrino		Gereedschap voor sloten Outillage pour fermetures Tool for locks Werkzeug für Schlösser	Util para cerraduras Narzędzie do zamka Utensile serrature
	Freess- en boormachine Fraiseuse et foreuse Router and drilling machine Fräse- und Bohrgerät	Copiadora taladradora Frezarka z wiertarka Centro dilavoro		Gereedschap voor wisselprofielen Outillage pour chicanes Tool for sections Werkzeug für Wechselprofile	Util para encuentros centrales Narzędzie do przekrojow Utensile chicanes
	Bewerkingscentrum Centre d'usinage Machining center Bearbeitungszentrum	Centre de mecanizado Centrum obródcze Centro di lavoro		Gereedschap voor beglazing Outillage pour vitrage Tool for glazing Werkzeug für Verglasung	Util para acristalamiento Narzędzie do przeszklon Utensile vetro
				Gereedschap voor diverse toepassingen Outillage pour applications divers Tool for miscellaneous applications Werkzeug für diverse Anwendungen	Útiles para varias aplicaciones Narzędzie do montazu elementow uzupełniających Utensile vari

	Gereedschap voor dichtingen Outils pour joints Tool for gaskets Werkzeug für Dichtungen	Util para juntas Narzędzie do uszczelki Utensile guarnizioni		Pneumatische aandrijving Propulsion pneumatic Pneumatic drive Pneumatische Antrieb	Destornillador neumático Pneumatyczny napęd Cilindro pneumatica
	Gereedschap voor bevestiging wielen Outils pour fixation des roulettes Tool for fixation rollers Werkzeug für Befestigung Laufräder	Util para fijación de ruletas Narzędzie do montażu wózków Utensile carrelli		Ponsunit Unité d'étamper Punch unit Stanzeinheit	Punzon Wykrojniki Unità punzonatrice
	Gereedschap voor ontwatering vleugels Outils pour drainage ouvrants Tool for drainage vents Werkzeug für Entwässerung Flügel	Util para drenaje hoja Narzędzie do drenażu skrzydła Utensile drenaggio anta		Land Pays Country Land	Pais Kraj Nazione
	Uitfrezing voor inbouw bovenspeun in kozijn Fraisage pour encastrement gond supérieur dans la fenêtre Milling for building in upper pivot in window Ausfräsung für Einbau eines oberen Lagers im Rahmen	Fresado para pivotante en marco superior Frez do montażu górnego sworznia w oknie Lavorazioni super. finestra pivotante		Min. profiellengte Longueur min. de profilé Min. length of profile Min. Profillänge	Longitud mínima del perfil Minimalna długość profilu Lunghezza minima profilo
	Uitfrezing voor inbouw vloerspeun in vleugel Fraisage pour encastrement gond inférieur dans l'ouvrant Milling for building in floor pivot in vent Ausfräsung für Einbau eines Bodenlagers im Flügel	Fresado para pivotante en hoja inferior Frez do montażu dolnego sworznia w skrzydle Lavorazioni infer. finestra pivotante		Max. profielhoogte Hauteur max. de profilé Max. height of profiles Max. Profilhöhe	Altura máxima del perfil Maksymalna wysokość profilu Max altezza
	Uitfrezing voor inbouw vloerspeun in vleugel Fraisage pour encastrement gond inférieur dans l'ouvrant Milling for building in floor pivot in vent Ausfräsung für Einbau eines Bodenlagers im Flügel	Fresado para pivotante en hoja inferior Frez do montażu dolnego sworznia w skrzydle Lavorazioni infer. finestra pivotante		Max. horizontale beweging Movement max. horizontale Max. horizontal movement Max. horizontale Versetzung	Movimiento horizontal máximo Maksymalny ruch poziomy Spostamento orizz. max
	Uitfrezing voor inbouw vloerspeun in vleugel Fraisage pour encastrement gond inférieur dans l'ouvrant Milling for building in floor pivot in vent Ausfräsung für Einbau eines Bodenlagers im Flügel	Fresado para pivotante en hoja inferior Frez do montażu dolnego sworznia w skrzydle Lavorazioni infer. finestra pivotante		Horizontaal hoekbereik Intervalle d'équerre horizontale Horizontal corner range Eckbereich Horizontal	Rango de corte a inglete horizontal Zakres katów poziomych Dimensione taglio orizz.
	Uitfrezing voor inbouw vloerspeun in vleugel Fraisage pour encastrement gond inférieur dans l'ouvrant Milling for building in floor pivot in vent Ausfräsung für Einbau eines Bodenlagers im Flügel	Fresado para pivotante en hoja superior Frez do montażu górnego sworznia w skrzydle Lavorazioni super. finestra pivotante		Verticaal hoekbereik Intervalle d'équerre verticale Vertical corner range Eckbereich Vertikal	Rango de corte a inglete vertical Zakres katów pionowych Dimensione taglio vert.
	Motor Moteur Motor Antrieb	Motor Moteur Motor Antrieb		Motor Moteur Motor Antrieb	Motor Silownik napędowy Motore
	Gewicht Poids Weight Gewicht	Gewicht Poids Weight Gewicht		Gewicht Poids Weight Gewicht	Pesos Ciężar Peso
	Max. toerental Vitesse d'axe max. Max. spindle speed Max. Drehzahl	Max. toerental Vitesse d'axe max. Max. spindle speed Max. Drehzahl		Max. toerental Vitesse d'axe max. Max. spindle speed Max. Drehzahl	Velocidad de sierra Maksymalna prędkość obrotowa Velocità max lama
	Compressor Compresseur Compressor Kompressor	Compressor Kompresor Compressore		Compressor Kompresor Compressore	Compressor Kompresor Compressore
	Kugel Dr. Hahn Bille Dr. Hahn Ball Dr. Hahn Kugel Dr. Hahn	Bola Dr. Hahn Kulka Dr. Hahn -		Bola Dr. Hahn Kulka Dr. Hahn -	Bola Dr. Hahn Kulka Dr. Hahn -
	Mechanische aansluiting Fixation mécanique Mechanical connection Mechanischer Anschluss	Conexión mecánica Polaczenie mechaniczne Fissaggio meccanico		Conexión mecánica Polaczenie mechaniczne Fissaggio meccanico	Conexión mecánica Polaczenie mechaniczne Fissaggio meccanico

B



Reynaers
Aluminium

Algemene informatie systemen

Généralités séries

General Information System

Allgemeine Information System

VERWERKINGSVOORSCHRIFTEN

I. ALGEMEEN

Zie catalogus "1.Algemene informatie" (089.C67A.00 editie 11/2020)

II. VERWERKINGSVOORSCHRIFTEN CURTAIN WALL EF 7 & EF 7 SG

Opbouw

EF 7

Dit systeem is een gevel bestaande uit geïsoleerde aluminium elementen (samengesteld) opgebouwd uit kaders met aan de buitenzijde glaslatprofielen die de contour van de verschillende volumes accentueren. Verkorte rubberdichtingen verzekeren een voegbreedte van 11mm tussen de kaders. De zichtbare breedte van de aluminium constructie aan de binnenzijde is 75mm. Deze elementen worden volledig geassembleerd (kader en invulling) in de workshop. Dit vereenvoudigt installatie op de werf. De gevel bestaat uit vaste delen met gelijkaardig uiterlijk om een uniform beeld te garanderen en profielen die niet breder zijn dan 75mm aan de binnen- en buitenzijde zijn op alle plaatsen. De profielen van de geassembleerde kaders zijn hol. De diepte van de structuur is afhankelijk van de inertie ten gevolge van de belasting. De kaderprofielen hebben ook voldoende stijfheid om transport toe te laten en de gepre-assembleerde elementen te plaatsen. Extrusie van op maat gemaakte profielen om de gevraagde inertie op te vangen en gewenste esthetiek te bereiken is mogelijk op aanvraag. De T-profiel heeft dezelfde zichtbare breedte van 65mm; de T-profiel kan het gewicht van het (glas)paneel opvangen.

EF 7 SG

Dit systeem is een gevel bestaande uit aluminium elementen (samengesteld) opgebouwd uit kaders beglaasd met verlijmd glas om een volledig gladde gevel te bekomen. De glasplaten worden verlijmd op een natuurlijk geanodiseerd profiel om een goede samenhang van de panelen op de basisstructuur te verwezenlijken. Verkorte rubberdichtingen verzekeren een voegbreedte van 11mm tussen de kaders. De zichtbare breedte van de aluminium constructie aan de binnenzijde is 75mm. Deze elementen worden volledig geassembleerd (kader en invulling) in de workshop. Dit vereenvoudigt installatie op de werf. De gevel bestaat uit vaste delen met gelijkaardig uiterlijk om een uniform beeld te garanderen. De profielen van de geassembleerde kaders zijn hol. De diepte van de structuur is afhankelijk van de inertie ten gevolge van de belasting. De kaderprofielen hebben ook voldoende stijfheid om transport toe te laten en de gepre-assembleerde elementen te plaatsen. Extrusie van op maat gemaakte profielen om de gevraagde inertie op te vangen en gewenste esthetiek te bereiken is mogelijk op aanvraag. De T-profiel heeft dezelfde zichtbare breedte van 75mm; de T-profiel kan het gewicht van het (glas)paneel opvangen.

II.1 CONSTRUCTIEVOORSCHRIFTEN

Om een blijvend een perfect eindproduct te garanderen, dienen tijdens de verwerking bepaalde regels in acht genomen te worden.

II.1.1 Verspanende bewerkingen

Onder verspanende bewerkingen wordt verstaan: alle mechanische bewerkingen zoals zagen, frezen, boren, ponsen en knippen. Voor gelakte profielen is het essentieel dat de laklagen aan de randen niet loskomen tijdens deze bewerkingen. Het is daarom van groot belang voor de kwaliteit van de verbindingen dat:

- het verspanende gereedschap geschikt en voldoende scherp is;
- de machines goed afgeregeld zijn (bv. toerental);
- een regelmatige controle van het gereedschap gebeurt;
- het verspanende gereedschap correct en voldoende gesmeerd wordt: smeerstick Reynatube (art. nr. 086.9191.--) voor zaagbladen, snijmiddel (art. nr. 086.9175.--) voor ponsgereedschap of de door de machineleveranciers voorgeschreven koel- en smeermiddelen;
- de gepaste klemblokken worden gebruikt;
- de aan- en afvoertafel vrij zijn van spanen en verontreinigingen;
- eventuele koeling gebeurt met chemisch neutrale producten die de oppervlaktebehandeling niet aantasten.

Positie/klemming van de profielen tijdens het zagen:

De positie van de profielen op de zaagtafel tijdens het verzagen is zeer belangrijk en is de basis om perfecte verstekken te bekomen na montage van raam of deur.

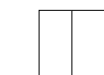
De grootste druk moet steeds op de «referentiezijde» van de profielen uitgeoefend worden.

De «referentiezijde» moet perfect horizontaal of verticaal op de zaagtafel geplaatst worden.

De klemblokken moeten gebruikt worden:

- om te vermijden dat speling op de profielen de kwaliteit van het verstek zou beïnvloeden;
- om te vermijden dat de profielen zouden kantelen op de tafel.

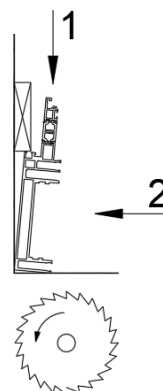
Referentiezijde ->



<- Referentiezijde

FOUTIEVE KLEMMING

- FOUT:** De hoofdklemming drukt op de zichtkant van het te verzagen profiel en het profiel kantelt.
- GEVOLG:** Scheve zaagsnede - de buitenzijde is korter dan de binnenzijde.
- RESULTAAT:** Bij het persen van de hoeken is het verstek aan de binnenzijde keurig dicht en gaapt aan de buitenzijde.

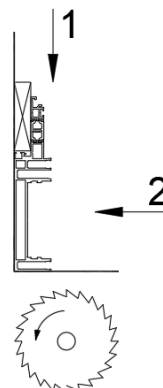


JUISTE KLEMMING

De hoofdklemming drukt op de sponningzijde. De zichtkant ondergaat een kleinere, secundaire druk. Het profiel heeft niet de neiging te kantelen of te vervormen tijdens het zagen, en het persen van de in verstek gezaagde profielen kan probleemloos verlopen.

Opmerking:

Het verdient aanbeveling om spanen die ontstaan tijdens het zagen af te zuigen.



II.1.2 Assemblage

Wij maken de volgende onderverdeling:

1. hoekverbindingen;
2. T-verbindingen en kruisverbinding
3. ontwatering en uitsparingen voor het beslag;
4. dichtingen

1.2.1 Hoekverbindingen

MITRE CUT

Stappen:

- a. Correct zagen.
- b. Beschermen van de zaagsneden door:
 - ontbramen (indien noodzakelijk);
 - verwijderen van stof en zaagresten op de zaagsnede en in de profielkamer;
 - ontvetten (Degreaser art.nr. 086.9210.--);
 - aanbrengen van anticorrosieproduct (Reynaprotector art.no. 086.9206.SY).
- c. Afdichten: op de zaagsneden een neutraal, elastisch dichtingmiddel aanbrengen.
- d. Verlijmen: aanbrengen van een goedgekeurd dichtingslijm (tweecomponentenlijm Reynaseal Duo art.no. 084.9080.--):
 - in alle profielkamers voor hoekverbinders;
- e. Verbinding tot stand brengen: de hoekstukken kunnen ingebracht worden en vervolgens wordt de mechanische hoekverbinding door persen tot stand gebracht.
- f. De samengevoegde elementen dienen enkel aan de zichtvlakken gereinigd te worden van lijmresten en dit uitsluitend met een niet-agressief middel (Reynafinish art.no. 086.9210.--).

STRAIGHT CUT

a. Correct zagen

b. Beschermen van de zaagsneden door:

- ontbramen (indien noodzakelijk);
 - verwijderen van stof en zaagresten op de zaagsnede en in de profielkamer;
 - ontvetten (Degreaser art.nr. 086.9210.--);
 - aanbrengen van anticorrosieproduct (Reynaprotector art.no. 086.9206.SY).
- c. Plaats het eindstuk
- d. Verbinding vastschroeven

1.2.2 T-verbinding van de kaders

Stappen:

- a. Correct zagen, frezen of boren:
- b. Beschermen van de zaagsneden door:
 - ontbramen (indien noodzakelijk);
 - verwijderen van stof en zaagresten op de zaagsnede en in de profielkamer;
 - ontvetten (Degreaser art.nr. 086.9210.--);
 - aanbrengen van anticorrosieproduct (Reynaprotector art.no. 086.9206.SY).
- c. Afdichten: door middel van een elastische kit op de aangeduide plaatsen.
- d. Verbinding tot stand brengen en vastschroeven.
- e. Overtollig afdichtingmiddel verwijderen.

1.2.3 Ontwatering en ontluchting van de kaders

Stappen:

- a. Correct ponsen, boren en frezen.
- b. Beschermen van de bewerkte vlakken door:
 - ontbramen (indien noodzakelijk);
 - verwijderen van stof en spanen;
 - ontvetten (Degreaser art. nr. 086.9210.--);
 - aanbrengen van anticorrosieproduct (Reynaprotector art.no. 086.9206.SY).

Aandachtspunten bij de ontwatering / ontluchting:

- Bij elke kader worden er ontwateringopeningen voorzien volgens de richtlijnen op pagina: 68.F...

1.2.4 Dichtingen

Alle dichtingrubbers zijn van weer- en verouderingsbestendig EPDM. De verwerking ervan dient zorgvuldig te gebeuren, aangezien hiervan de dichtheid van het venster afhangt.

Het aanbrengen van de beglazingsdichtingen

Stappen:

1. Correct versnijden: het versnijden van de beglazingsdichting dient met een speciale schaar (art.nr. 090.0121.00) te gebeuren en de dichting kan naargelang de soort profielverbinding in verstek of recht versneden worden. Benodigde overlengte (ca 10 mm per meter) dient voorzien te worden.
2. Aanbrengen dichting: de dichtingen worden aangebracht in de daarvoor voorziene groeven van de profielen; de overlengte wordt lichtjes opgestuikt om uitzetten of krimpen op te vangen. Moeilijkheden bij het inbrengen kunnen opgevangen worden met siliconenspray (art.nr. 086.9551.--).
3. Verlijmen (afdichten): in de hoeken dient de beglazingsdichting verlijmd te worden met vulkaniseerlijm (art.nr. 084.9108.04). Doordat de verbinding elastisch blijft, sluit de dichting ook in de hoeken perfect aan.

II.2 MONTAGEVOORSCHRIFTEN

II.2.1. Inbouw in de ruwbouw

Het gevelelement wordt door middel van verankeringen aan de dragende ruwbouw verbonden. Het aantal, de plaats en de wijze van verankering moet zodanig zijn dat de krachten die op het gevelelement worden uitgeoefend, goed op de omringende bouwkundige constructies kunnen worden overgedragen. Deze krachten kunnen onder andere zijn: windbelasting, eigen gewicht, gebruiksbelasting, zonwering, glazenwasserinstallaties, enz... De verankering mag geenszins het draagvermogen van de aangrenzende bouwonderdelen beïnvloeden. De plaats en uitvoering van de ankers of andere bevestigingsmiddelen dienen zodanig te zijn dat het element niet door de bouwkundige constructie kan worden belast en dat het element niet wordt gedeformeerd.

Lengteveranderingen, veroorzaakt door temperatuurwisselingen, moeten ongehinderd kunnen plaatsvinden. Ook de toegelaten toleranties van de ruwbouw moeten kunnen worden opgenomen door de gevelconstructie en de verankeringen zonder dat er waterlekage ontstaat of te veel luchtinfiltratie optreedt. De verankeringconstructie zal hiertoe voldoende instelmogelijkheden moeten bezitten om het inpassen tijdens de montage mogelijk te maken. Verankeringen mogen verder het goed functioneren van de beweegbare delen en het hang- en sluitwerk niet belemmeren. Bewegingen tussen ruwbouw en gevelelementen mogen niet tot gevolg hebben dat er hinderlijke geluiden door verankeringen worden veroorzaakt.

Soms kunnen verankeringen koudebruggen vormen. Het zal dan noodzakelijk zijn om de warmtestroom zo veel mogelijk te beperken. Hierbij dient men zich ervan te verzekeren dat de mechanische sterkte nog voldoende is. Alle verankeringen, voor zover niet uit aluminium of roestvrij staal, dienen afdoende tegen corrosie te zijn beschermd en mogen zelf ook geen aantasting van het aluminium veroorzaken.

De maximaal toelaatbare verplaatsingen van de ruwbouw ter plaatse van de verankeringen van de draagkaders is in functie van de hoogte – breedte verhouding van de elementen.

II.2.2. Inbouw van het beslag

Keuze van bevestigingspunten, aantal sluitpunten, max. vleugelgewicht, max. vleugelafmetingen, toegepast vleugelgewicht, e.a. dient te gebeuren volgens de richtlijnen van de systeemleverancier en de beslagfabrikant. Glijdende en bewegende delen zijn van neutraal vet te voorzien. Bij montage controleren of het beslag soepel en zonder hapering te bedienen is. Daar de mogelijkheid bestaat om de elementen beglaasd naar de werf te voeren dient ingeval dat deze optie weerhouden wordt, er voor worden gezorgd dat de vleugels niet kunnen bewegen t.o.v. het draagkader tijdens het transport.

II.3 BEGLAZING

Het CW65-systeem is ontworpen voor beglazing met EPDM-rubbers. Het toegepaste beglazingssysteem is het zogenaamde drukvereffende beglazingssysteem. Bij dit systeem wordt een zekere mate van watertoetreding in de constructie toegestaan. Het eventueel naar binnengedrongen water dient op een gecontroleerde wijze naar buiten te worden afgevoerd via de glaskaders.

De volgende aspecten zijn zeer belangrijk bij dit beglazingssysteem:

- De binnendichting dient zo goed mogelijk luchtdicht te zijn.
- De buitendichting dient zodanig te worden uitgevoerd dat watertoetreding in de sponning zoveel mogelijk voorkomen wordt.

Bevestiging van de beglazing

Geen enkel glaspaneel mag rechtstreeks in contact komen met het aluminium zonder tussenplaatsing van beglazingsblokjes en een rubberdichting.

Bij isolatieglas dienen beide glasbladen gelijkmatig ondersteund te worden.

De steunblokjes, die door een aluminium glassteunprofiel worden gedragen, zijn bedoeld om het gewicht van het glas over te brengen op de profielen en dienen bij voorkeur op een afstand van 0,25 tot 0,1 maal de lengte van de glasbreedte (minimaal 100 mm) uit het hoekpunt van het glas te worden geplaatst. Hierbij wordt uitgegaan van het midden van deze blokjes.

Om de doorbuiging van het dragende profiel onder invloed van het glasgewicht te beperken is het aan te raden de glassteunen zo ver mogelijk naar de glashoeken te plaatsen, rekening houdend met de hierboven vernoemde beperkingen.



EF 7:

De glasinklemming in de gevel is minimum 12mm. Hierbij is rekening gehouden met een speling van 10mm of het aluminium raam (5mm per zijde)

De glaslatten van de glaskaders worden minimaal 1 keer per profiel mechanisch beveiligd tegen ontclippen.

EF 7 SG:

Zie specifieke punten voor structurele beglazing in hoofdstuk II.4.3

II.4 EF 7-STRUCTURAL GLAZING

II.4.1. Algemeen

Het glasgevelsysteem SG is een plaatsingsmethode om een volledig gladde gevel te bekomen. De beglazing wordt verlijmd op een natuurlijk geanodiseerde profiel om een goede hechting op de hoofdstructuur te garanderen.

II.4.2. Bestelling van de profielen

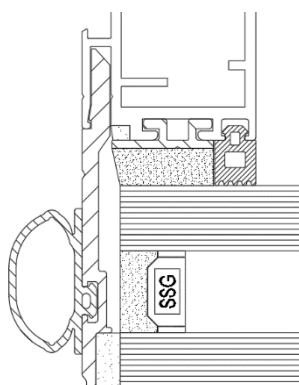
Voor ieder CW 65-EF/SG (of CW 65-EF met opengaande delen) project wordt door de Technische Dienst van Reynaers Aluminium Duffel een onderzoek gedaan op basis waarvan een goedkeuring kan gegeven worden voor de levering van de nodige verlijmingprofielen. De basis van dit onderzoek is een ingevulde aanvraag (form 158 of digitale aanvraag).

II.4.3. Structurele verlijming

a) Aandachtspunten structurele verlijming

- Te gebruiken structurele lijm = DC 993 van Dow Corning of Sika: SG500 of Tremco: VEC99 Proglaze II (of andere in ETA opgenomen siliconen)

Uitsluitend voor de structurele kit DC 993 /SG500/VEC 99/Proglaze II zijn de in de EOTA-gids voor structurele beglazingssystemen beschreven adhesieproeven en verenigbaarheidproeven met de omringende materialen uitgevoerd. Voor ieder nieuw lot van verlijmingprofiel worden bij Dow Corning / Sika / Tremco versnelde adhesieproeven (zgn. peeltesten) evenals de anotesten uitgevoerd. Op basis van de resultaten van deze proeven wordt een verlijmingvoorschrift voor het welbepaalde lot van het verlijmingprofiel opgemaakt (nr. DC XXXXX) waarin gemeld wordt dat de profielen goedgekeurd zijn voor structureel gebruik. Belangrijk om op te merken is dat dit voorschrift slechts 6 maanden geldig is. Een hernieuwing van het voorschrift kan bekomen worden door na 6 maanden de bovenvermelde testen opnieuw uit te voeren.



- Te gebruiken reinigingsmiddel voor verlijmingprofiel 134.1116.17SG / 107.0102.17SG

Voor het aanbrengen van de structurele lijm op het verlijmingprofiel moet dit profiel gereinigd worden en ontvet worden met een product zoals voorgeschreven door de siliconen leverancier. Het gebruik van een extra primer is niet noodzakelijk. Tenzij anders vermeld op het verlijmingvoorschrift.

- Mogelijke beglazingen

De meest courante beglazingen kunnen gebruikt worden in dit systeem; wij verwijzen naar de ETA om hier uitsluitsel over te bekomen. Voor dubbele beglazing is de te gebruiken kit voor de hermetische voeg tussen beide glasplaten bij voorkeur de kit DC 3362 of IG25 of Proglaze II of SS562, dewelke ook een structurele kit is. Bij de oplossing met verlijming op het buitenglasblad en getrapte beglazing mag de buitenste glasplaat niet volledig uitgehard zijn. Voor glas met verhoogde breukweerstand komt in dit geval voor de buitenste glasplaat uitsluitend halfgehard glas (durci) in aanmerking. Voor glasplaten met een coating op zijde 2 (de zijde waarop gekleefd wordt) is het noodzakelijk om in bepaalde gevallen deze coating te verwijderen ter hoogte van de lijmvoeg om een voldoende hechting in de tijd te garanderen. Meer informatie hieromtrent kan bekomen worden bij de glasleverancier en/of Dow Corning.

Min. Glasdikte =36

Max. Glasdikte =60

Toegelaten glassamenstellingen staan ook vermeld in de technische goedkeuring (ETA).

- Ondersteuning voor eigengewicht

Dit systeem mag uitsluitend gebruikt worden mits ondersteuning van beide glasplaten voor eigengewicht, zodat de lijmvoeg niet onderworpen is aan een continue afschuifbelasting o.i.v. eigengewicht. Concreet betekent dit, dat minstens

de helft van de buitenste glasplaat moet ondersteund zijn. In het geval van gelaagde beglazing moet minstens de helft van de meest buiten gelegen glasplaat half ondersteund zijn: bv. voor gelaagde beglazing type 44.2 met een totale dikte van ongeveer 8,8 mm moet minstens 6,8 mm ondersteund zijn. De PVB-lagen zijn immers niet ontwikkeld om een continue afschuifbelasting op te vangen. Voor dubbele beglazing moeten beide glasplaten ondersteund worden.

• Verenigbaarheid omringende materialen met de structurele voeg

Alle omringende materialen van de structurele voeg moeten verenigbaar zijn met de structurele voeg. De materialen van het systeem, zoals weergegeven in deze catalogus, zijn uiteraard getest op hun verenigbaarheid met de structurele kit, ook de gebruikte EPDM-dichtingen. Indien echter andere materialen worden toegepast in het systeem moeten de nodige verenigbaarheidstesten kunnen voorgelegd worden.

• Glassteunblokje

Tussen de aluminium glassteun en het glas dient een siliconenblokje geplaatst te worden type met een hardheid van 70 tot 80 SHORE A. Deze blokjes zijn niet in het Reynaers-gamma opgenomen maar de meeste verlijmingfirma's hebben deze standaard liggen. Belangrijk is dat ook deze verenigbaar zijn met structurele voeg.

• Verlijmingfirma's

Verlijming mag enkel worden uitgevoerd door verlijmers welke goedgekeurd zijn voor de uitvoering van structurele verlijming volgens ETAG 002.

De verlijming tussen glaspaneel en vleugelkader moet perfect haaks gebeuren voor de functionaliteit bij het openen en sluiten van de vleugel.

De maattoleranties op het verlijmd ondersteuningsprofiel zijn +/- 1mm.

b) Bestelling verlijmingprofiel

Voor ieder CW 65-EF/SG project wordt door de Technische Dienst van Reynaers Aluminium Duffel een onderzoek gedaan op basis waarvan een goedkeuring kan gegeven worden voor de levering van de nodige verlijmingprofielen. De basis van dit onderzoek is een ingevulde aanvraag (form 158 of digitale aanvraag). Dit onderzoek kan opgesplitst worden in volgende 3 delen:

• Controle afmetingen structurele voeg

Op basis van de windbelasting (piekwindbelasting met terugkeerperiode van 10 jaar), de elementafmetingen en de glassamenstelling wordt nagegaan of de klassieke hoogte van de structurele voeg (= 18.5/13.5 mm for profile 134.1116.17SG / 107.0102.17SG) volstaat om deze windbelasting op te nemen. Verder wordt ook gecontroleerd of de dikte van de structurele voeg (klassiek 6,4 mm) volstaat om het verschil in thermische uitzetting tussen glas en aluminium op te vangen. Telkens wordt een bevestiging gevraagd van deze berekeningen bij siliconenleverancier.

• Controle elementafmetingen

Voor opengaande delen wordt nagegaan of de voorgestelde elementafmetingen en het elementgewicht kunnen gerealiseerd worden met de scharen in ons gamma. Wij verwijzen daarvoor ook naar de diagrammen voor toelaatbare afmetingen verderop in de catalogus. Voor vaste gedeelten wordt vnl. een gewichtscontrole uitgevoerd (naast uiteraard de controle van de voegafmetingen zelf - zie eerste punt). Bij gebruik van 2 glassteunen met een breedte van 100 mm, hetgeen verplicht is, moet het totale elementgewicht beperkt blijven ivv glassteun en profieldoorsnede. Tenslotte wordt nog nagegaan of met de voorgestelde glassamenstelling de buitenste glasplaat half ondersteund is. Deze waarden gelden enkel wanneer de binnenste glasplaat even dik of dikker is als de buitenste glasplaat.

• Specifieke toepassingen

Voor specifieke toepassingen (hoekdetailering, gevel in facetten, ...) wordt bij een oplossing afwijkend van de catalogusoplossing de technische haalbaarheid nagegaan. Na goedkeuring van het project wordt voor het betreffende lot van verlijmingprofiel het verlijmingvoorschrift van de siliconenleverancier aan de klant opgestuurd.

Bijlage: FORM 158

STRUCTURELE VERLIJMINGSPROJECTEN
VOLGENS ETAG 002REYNAERS ALUMINIUM NV/SA
Oude Liersebaan 266 • B-2570 Duffel
t +32 15 30 86 00 • f +32 15 30 86 00
www.reynaers.com • info@reynaers.com

Gelieve dit document terug te sturen naar R&D van Reynaers Aluminium N.V. alsook uw bestelling naar onze Verkoopafdeling.

Projectnaam: _____
Werfadres: _____
Land: _____

Firma en contactpersoon: _____

Systeem	Profielen	Lengte	Aantal
☐ CW 50 – Top Hung	034.1116.17 SG	7m	
☐ CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐ CW 50-SG	034.1116.17 SG	7m	
☐ CW 50-SC	034.1116.17 SG	7m	
☐ CW 60	034.1116.17 SG	7m	
	028.2030.17 SG	7m	
☐ CW 86	028.2031.17 SG	7m	
	007.0161.17 SG	6m	
☐ CW 65-EF/SG	007.0220.17 SG	7m	
	007.0230.17 SG	7m	

Oppervlakte project: _____ m²
Max. paneelafmetingen: Breedte x Hoogte: _____ x _____ mm
Glassamenstelling: Binnenblad _____ mm x Spouw _____ mm x Buitenblad _____ mm
Piek winddruk: _____ Pa (ontwerpbelasting, terugkeerperiode van 10 jaar, incl. locale drukparameters)Hoekdetails: ☐ Ja → ☐ Oplossing volgens catalogoog
☐ Specifieke oplossing → tekening bijgevoegd
☐ NeeGebogen gevel: ☐ Ja → Hoek tussen 2 facetten = _____ °Verticale gevel: ☐ Nee
☐ Ja → Hoek β ten opzichte van het verticale vlak = _____ °

Tekeningen: _____ doorsneden/aanzichten/grondplannen in bijlage

Verlijmingsfirma: _____
Adres: _____

Goedkeuringsnummer voor Structurele Verlijming volgens ETAG, gegeven door Genotificeerde Instantie: _____

Silicone leverancier: _____ Type _____
Verlijmingsfirma goedgekeurd door silicone leverancier: ☐ Ja ☐ Nee

TECHNISCHE GOEDKEURING

In te vullen door R&D van Reynaers Aluminium DUFFEL, na beoordeling van project

Aantal	Profielen	Batch	Print	Kleur profielen	Rapport

Datum: _____ Door: _____

Form: FORM 158

Date: 10/01/11
Printed on: maandag 25 november 2013

Version: 6.0

1/2

II.4.4. Herbeglazing

Gezien de beglazing via verlijmingsprofiel rechtstreeks op de basisstructuur is verlijmd, is het niet mogelijk bij glasbreuk de kader te verwijderen voor herbeglazing in het werkhuis. Bij dit type gevel dient men de herbeglazing op de werf uit te voeren. Hiervoor zijn specifieke regels vooropgesteld via silicone leverancier alsook via de "European Technical Approval" (ETA). Mogelijk zijn er bijkomende landgebonden richtlijnen / beperkingen waar men rekening dient mee te houden.

Praktische werkwijze:

Stap 1: verwijderen van de gebroken beglazing en gebruikte verlijmingsprofielen

Stap 2: In het werkhuis wordt enkel aan de bovenzijde van de glasplaat een verlijmingsprofiel gemonteerd. De afstandshouder dient gekleefd te worden op de verlijmingsprofiel. De verkleinde voeg dient per project berekend te worden.

Stap 3: overige verlijmingsprofielen dienen direct op kader gemonteerd te worden. Deze moeten minimaal 1x mechanisch beveiligd worden.

Stap 4: een afstandshouder moet voorzien worden op verlijmingsprofiel. De afstandshouder moet lokaal onderbroken worden ter plaatse van de klipsen (zie detail x)

Stap 5: plaatsing van het glaspaneel op draagkader (op de werf). Het glaspaneel wordt met gemonteerd verlijmingsprofiel gehaakt op de basiskader. Ondersteuning van het eigengewicht moet voorzien worden via glassteunen.

Stap 6: glaspaneel moet tijdelijk mechanisch bevestigd worden. Dit met specifieke apparatuur eventueel met bijkomende glasklem 097.0762.00 in combinatie met uithaakbeveiliging.

Stap 7: verlijming van het glaspaneel via binnenzijde van het gebouw (volgens specifieke ETA voorschriften).

Stap 8: na uitharden van de verlijming moeten tijdelijk geplaatste glasklem 097.0762.00 verwijderd worden en deze openingen afgedicht worden.

Aandachtspunten structurele verlijming

Algemene info zie punt II.4.3 a)

Optimale beglazingsvoorwaarden (in combinatie met DC 895 van Dow Corning):

Temperatuursomstandigheden: 5°C to 40°C

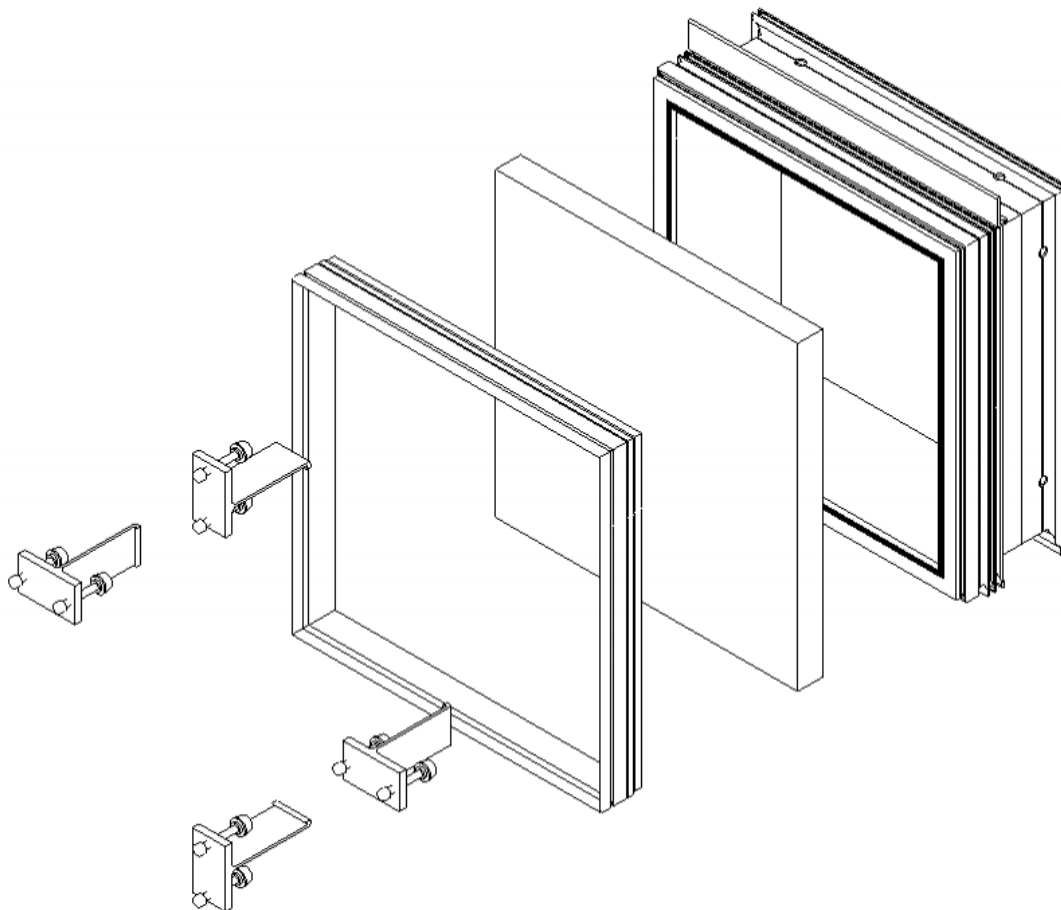
Vochtomstandigheden: 40% to 95%

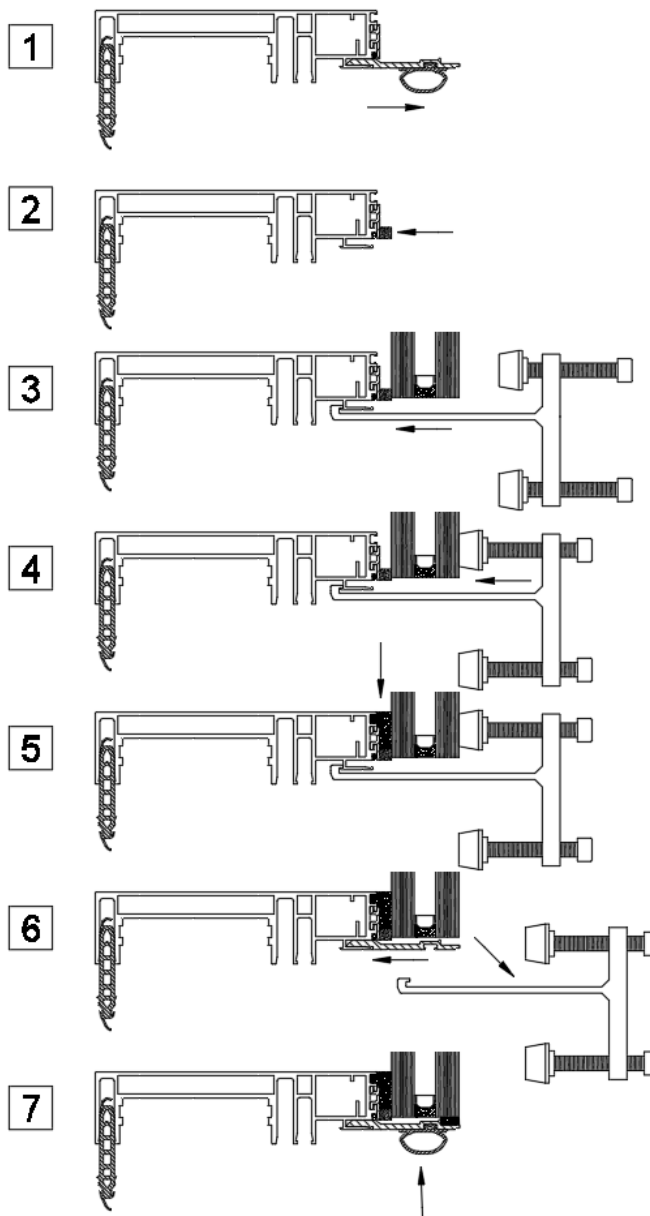
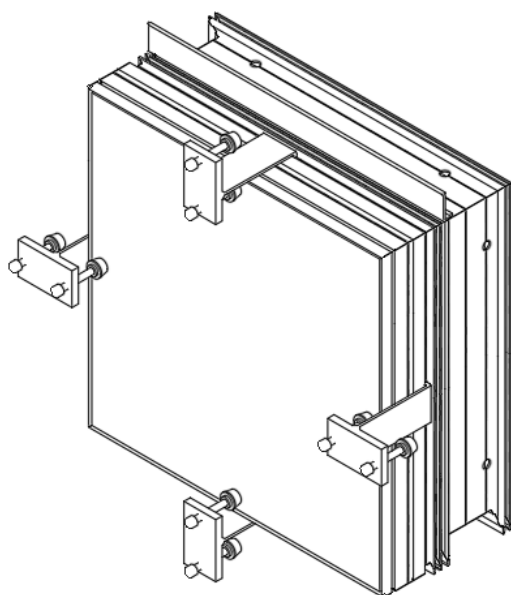
Aanbevolen temperatuurbereik: tussen 15°C en 30°C

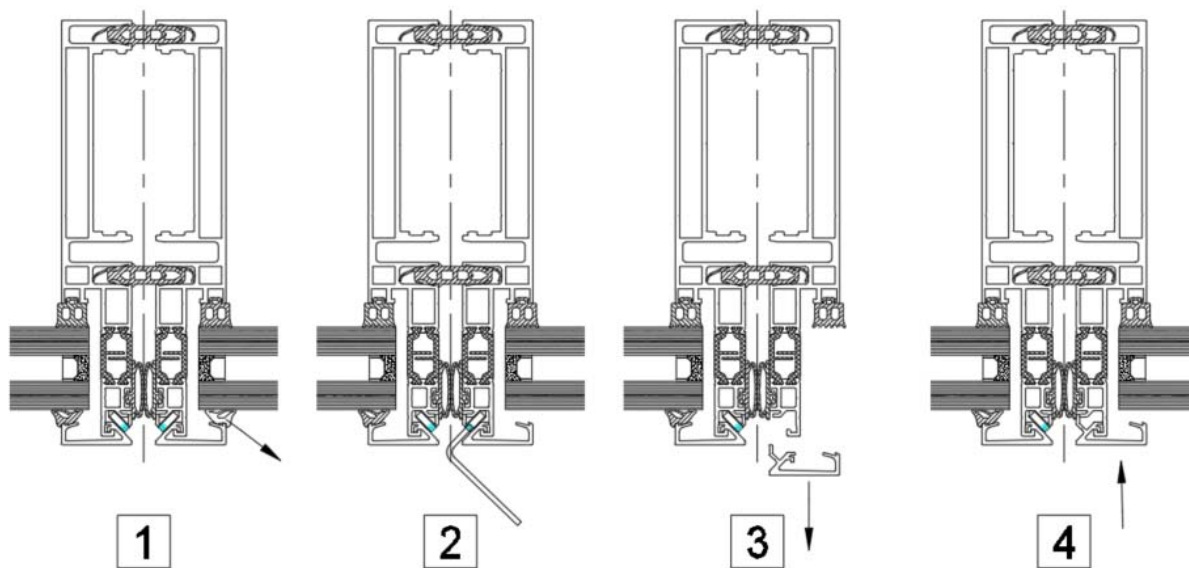
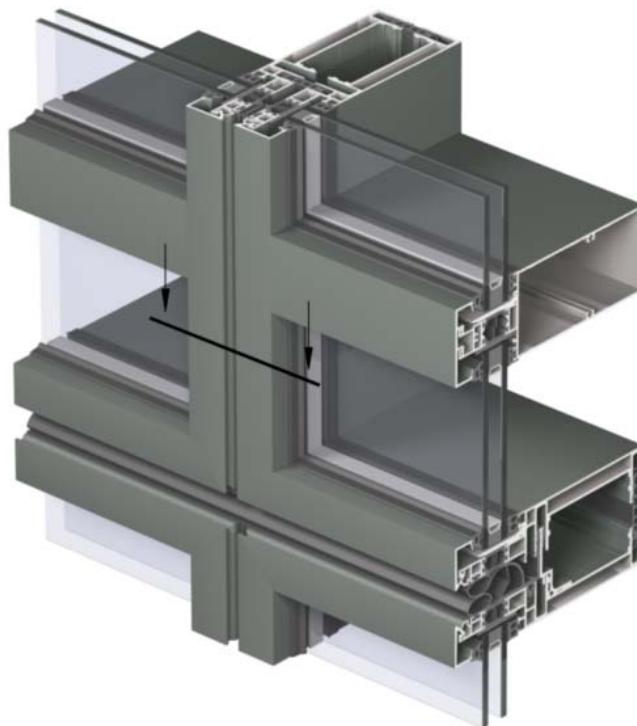
• Te gebruiken structurele lijm = DC 895 van Dow Corning (of andere in ETA opgenomen siliconen)
DC 895 is een één-component siliconeafdichting voor structurele beglazing

• Te gebruiken reinigingsmiddel voor verlijmingprofiel 007.0220.17 / 007.0230.17

Omdat men op de omgevingsvoorwaarden van een werf geen controle heeft, moeten de voegoppervlakken gereinigd en geprimed worden en moeten de panelen binnen een tijdsspanne van één (1) uur of minder geplaatst en afgedicht worden.







1. Beglazingsdichting verwijderen
2. Schroef verwijderen met inbussleutel (2s schroeven per hoe +/- 100mm vanaf de rand)
3. Glaslat verwijderen.
4. Glas vervangen
5. Glaslat plaatsen
6. Beglazingsdichting plaatsen
7. Schroef plaatsen.

RECOMMANDATIONS DE MISE EN OEUVRE

I. GENERAL

Voir catalogue '1. Informations générales' (089.C67A.00 édition 11/2020)

II. RECOMMANDATIONS DE TRAITEMENT DU MUR-RIDEAU EF 7 & EF 7 SG

Montage

EF 7

Ce système est un système (unifié) de cadres en aluminium isolés thermiquement, qui est formé de cadres vitrés, avec des parcloles à l'extérieur accentuant légèrement le contour des différents volumes. Des joints en caoutchouc encastrés garantissent une largeur de joint de 11 mm entre les cadres. La largeur visible de la structure en aluminium est de 75 mm à l'intérieur et à l'extérieur. Ces éléments sont entièrement assemblés (cadre et remplissage) en atelier. Cette solution simplifie l'installation sur le chantier. La façade se compose d'éléments fixes d'aspect identique qui forment un front uniforme et ne sont pas plus larges, en tout point, que les 75 mm visibles à l'intérieur et à l'extérieur. Les profilés des cadres assemblés sont tubulaires. La profondeur de la structure dépend de l'inertie résultant des charges. Les cadres possèdent également une rigidité suffisante pour permettre le transport et le positionnement d'éléments pré-assemblés. Sur demande, des profilés sur mesures peuvent être extrudés afin de répondre à l'inertie requise et à l'esthétique souhaitée. Les traverses ont la même largeur visible de 65 mm; les traverses peuvent supporter le poids du vitrage ou du remplissage.

EF 7 SG

Ce système est un système (unifié) de cadres en aluminium, composé de cadres qui sont vitrés avec un vitrage structurel pour présenter un aspect entièrement affleurant à l'extérieur du bâtiment. Les vitres structurelles sont collées sur un profilé anodisé naturel afin d'assurer une bonne cohésion des vitres sur la structure principale. Des joints en caoutchouc encastrés garantissent une largeur de joint de 11 mm entre les cadres. La largeur visible de la structure en aluminium est de 75 mm à l'intérieur. Ces éléments sont entièrement assemblés (cadre et remplissage) en atelier. Cette solution simplifie l'installation sur le chantier. La façade se compose d'éléments fixes d'aspect identique en vue de créer un front uniforme. Les profilés des cadres assemblés sont tubulaires. La profondeur de la structure dépend de l'inertie résultant des charges. Les cadres possèdent également une rigidité suffisante pour permettre le transport et le positionnement d'éléments pré-assemblés. Sur demande, des profilés sur mesures peuvent être extrudés afin de répondre à l'inertie requise et à l'esthétique souhaitée. Les traverses ont la même largeur visible de 75 mm; les traverses peuvent supporter le poids du vitrage ou du remplissage.

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 profilés 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 Reynatube (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;
- 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 profilés pendant le tronçonnage:

La position des profilés sur la table de sciage pendant le tronçonnage est très important et est la base pour obtenir des onglets parfaits après montage de la fenêtre ou de la porte.

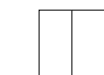
La pression principale doit toujours être exercée sur la «face de référence» des profilés.

La «face de référence» doit être positionnée parfaitement horizontale ou verticale sur la table de sciage.

Les mors de serrage doivent être utilisés:

- a. pour éviter que les tolérances sur les profilés influencent la qualité de l'onglet;
- b. pour éviter que les profilés ne basculent sur la table.

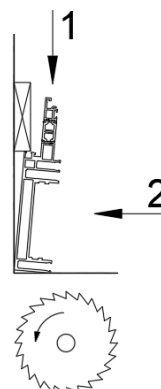
Face de référence



<- Face de référence

MAUVAIS TRONÇONNAGE

- DEFAULT: Le vérin principal presse sur la surface visible du profilé 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

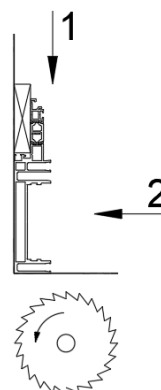
Le vérin principal exerce sa pression sur la face de la feuillure.

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 problèmes.

Remarque:

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



II.1.2 Assemblage

Nous faisons la subdivision suivante:

1. raccords d'angle;
2. assemblages T et jonction transversale
3. drainage et découpes pour les accessoires;
4. joints.

1.2.1 Raccords d'angle

COUPE A 45°

Etapes :

- a. Tronçonnage 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.n° 086.9210.--);
 - application de produit anticorrosion (Reynaprotector art.n° 086.9206.SY);
- c. Etanchement: appliquer sur les coupes de la matière d'étanchéité neutre et élastique.
- d. Encollage: appliquer une colle d'étanchéité approuvée (Reynaseal Duo art.no. 084.9080.--):
 - dans toutes les chambres de profilés des équerres;
- e. Assemblage: les équerres peuvent être introduites et ensuite le raccord d'angle mécanique est réalisé en sertissant.
- f. 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.n° 086.9210.--).

COUPE DROITE

Etapes :

- a. Tronçonnage 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.n° 086.9210.--);
 - application de produit anticorrosion (Reynaprotector art.n° 086.9206.SY).
- c. Insérer la pièce d'extrémité désignée sur la traverse.
- d. Visser le montant sur la traverse en utilisant les vis avec rondelles d'étanchéité.

1.2.2 Assemblage T de la structure portante / cadres portants

Etapes:

- a. Tronçonnage fraisage 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.n° 086.9210.--);
 - application de produit anticorrosion (Reynaprotector art.n° 086.9206.SY).
- c. Etanchement: à l'aide d'une matière d'étanchéité neutre sur les endroits indiqués
- d. Assembler et visser
- e. Enlever les résidus de colle.

1.2.3 Drainage et ventilation des cadres vitrés, cadres portants et montants-traverses

Etapes:

- a. Poinçonnage, forage et fraisage correct.
- b. Protection des surfaces traitées par:
 - ébavurage (si nécessaire);
 - enlèvement des poussières et des copeaux;
 - dégraissage (Degreaser art.n° 086.9210.--);
 - application de produit anticorrosion (Reynaprotector art.n° 086.9206.SY).

Lors du drainage ou de la ventilation, il faut prêter attention aux points suivants:

- Les fenêtres, quel que soit leur type, doivent obligatoirement être drainées suivant les prescriptions indiquées sur la page 68.F...

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 la fenêtre en dépend.

Application des joints de vitrage

Étapes:

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 profilés 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.--).
3. Encollage (étanchement): dans les angles, le joint de vitrage doit être encollé avec de la colle de vulcanisation (art.n° 084.9108.--). Cette colle permet à la jonction de rester élastique et de garantir parfaitement le rôle du joint même dans les angles.

II.2 RECOMMANDATIONS DE MONTAGE

II.2.1. Montage dans le gros œuvre

L'élément de façade est assemblé au gros œuvre portant au moyen d'ancrages. Le nombre d'ancres, leur emplacement et le mode d'ancrage doivent être tels que les forces exercées sur l'élément de façade soient bien reportées sur les structures constructives environnantes. Ces forces peuvent être, entre autres: la charge de vent, le poids propre, la charge d'usage, la protection solaire, les installations de laveurs de vitres, etc. L'ancrage ne peut en aucun cas influencer la capacité portante des éléments de construction adjacents. L'emplacement et la mise en œuvre des ancrs ou autres moyens de fixation doivent être tels que l'élément ne puisse pas être mis en contrainte par la structure constructive et que l'élément ne soit pas déformé. Les modifications longitudinales provoquées par les fluctuations de température doivent pouvoir avoir lieu sans être entravées. Les tolérances admises du gros œuvre doivent également pouvoir être reprises par la structure de façade et les ancrages sans qu'il se produise de fuites d'eau ou d'infiltrations d'air excessives. La structure de l'ancrage devra posséder à cette fin des possibilités de réglage suffisantes pour permettre l'ajustement pendant le montage. Les ancrages ne peuvent en outre pas entraver le bon fonctionnement des parties mobiles ainsi que des pentures et serrures. Les mouvements entre gros œuvre et éléments de façade ne peuvent pas avoir pour conséquence que les ancrages causent des bruits gênants. Il arrive parfois que les ancrages constituent des ponts thermiques. Il sera nécessaire, dans ce cas, de limiter autant que possible le flux thermique. On doit s'assurer à cet égard que la résistance mécanique est encore suffisante. Pour autant qu'ils ne soient pas en aluminium ou en acier inoxydable, tous les ancrages doivent être convenablement protégés contre la corrosion et ne peuvent pas non plus attaquer eux-mêmes l'aluminium. Les déplacements maximaux admissibles du gros œuvre au droit des ancrages des cadres porteurs est fonction du rapport hauteur/largeur des éléments.

II.2.2. Montage des accessoires

Le choix des points de fixation, du nombre de points de fermeture, du nombre de charnières, du poids max. d'ouvrant, des dimensions max. d'ouvrant, etc. doit se faire suivant les instructions 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. Comme il est possible d'amener les éléments dotés de leur vitrage sur le chantier, il faut veiller, au cas où cette option est retenue, à ce que les vantaux ne puissent pas bouger par rapport au cadre porteur pendant le transport.

II.3 VITRAGE

Le système CW86 est conçu pour les vitrages à garnitures en caoutchouc EPDM.

Le système de vitrage utilisé est le système dit "à compensation de pression".

Ce système permet une certaine pénétration d'eau dans la construction. L'eau qui a éventuellement pénétré à l'intérieur doit être évacuée à l'extérieur de manière contrôlée via les cadres vitrés ou les profilés horizontaux du cadre porteur ou du bâti.

Les aspects suivants sont très importants avec ce système de vitrage:

- La garniture intérieure doit être aussi étanche à l'air que possible;
- La garniture extérieure doit être exécutée de manière à éviter autant que possible la pénétration d'eau dans la feuillure.

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. En cas de vitrage isolé, les deux feuilles de verre doivent être supportées. Les cales de support, supportées par un support cale de vitrage en aluminium, doivent transmettre le poids du verre sur les profilés et doivent être posées de préférence à une distance de 0,25 jusqu'à 0,1 fois la longueur de la largeur du vitrage (au minimum 100mm) de l'origine d'angle du vitrage. Ici la référence est le milieu des cales. Afin de limiter la flexion du meneau sous l'influence du poids de vitrage il est à recommander de poser les cales de vitrage tout près des coins du vitrage, tenant compte des restrictions susmentionnées.



EF 7:

L'encastrement du vitrage dans le mur-rideau est de minimum 12 mm. Cette valeur tient compte d'une marge de 10 mm de la fenêtre en aluminium (5 mm par côté).

Les parcloles des cadres de vitre reçoivent au moins une sécurité mécanique contre le déclipage par profile

EF 7 SG:

Voir les points spécifiques pour le vitrage structurel au chapitre II.4.3.

II.4 VITRAGE STRUCTUREL CW 65

II.4.1. Généralités

Ce système est un système (unifié) de cadres en aluminium, composé de cadres qui sont vitrés avec un vitrage structurel pour présenter un aspect entièrement affleurant à l'extérieur du bâtiment. Les vitres structurelles sont collées sur un profilé anodisé naturel afin d'assurer une bonne cohésion des vitres sur la structure principale.

II.4.2. Commande des profiles

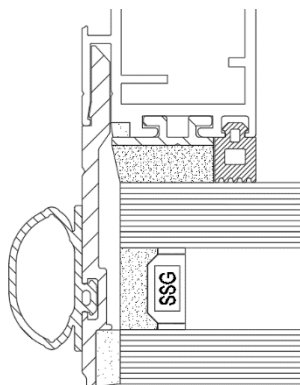
Pour chaque projet CW 65-EF/SG (ou CW 65-EF avec parties ouvrantes) le service technique de Reynaers Aluminium Duffel fait une analyse, à base de laquelle l'accord peut être donné pour la livraison des profilés nécessaires. La base de cette analyse est un formulaire de demande rempli (form 158 ou la demande digitale).

II.4.3. Vitrage extérieur collé

a) Vitrage extérieur collé: points à respecter

• Colle à utiliser = DC 993 de Dow Corning ou Sika: SG500 ou Tremco: VEC99 Proglaze II (ou d'autre mastic indiqué dans l'ETA)

Les essais d'adhérence et de compatibilité avec les matériaux environnants décrits dans le guide EOTA pour des systèmes de vitrage extérieur collé n'ont été réalisés que pour la colle DC 993 /SG500/VEC 99/Proglaze II. Pour chaque nouveau lot du profilé de collage, des essais d'adhérence accélérés (tests dits "peel") sont effectués chez Dow Corning / Sika / Tremco, ainsi que les essais ano. A base des résultats de ces essais, une prescription de collage (n° DC XXXXX) est faite pour ce lot bien déterminé du profilé de collage, dans laquelle est indiqué que les profilés ont été approuvés pour emploi extérieur collé. Il est important de remarquer que cette prescription ne reste valable que pendant 6 mois. Un renouvellement de la prescription peut être obtenu en faisant exécuter les essais mentionnés ci-dessus à nouveau après 6 mois.



• Nettoyant à utiliser pour profilé de collage 134.1116.17SG / 107.0102.17SG

Avant l'application de la colle sur le profilé de collage ce profilé doit être nettoyé. Le nettoyant sert aussi bien de produit de dégraissage que de primaire. L'utilisation d'un primaire supplémentaire n'est pas nécessaire. Ceci est évidemment également mentionné dans la prescription de collage.

• Vitrages possibles

Les vitrages les plus courants peuvent être utilisés dans ce système; nous nous référons au ETA pour donner une réponse définitive.

Pour le double vitrage, la colle à utiliser pour le joint hermétique entre les deux plaques de verre est de préférence le DC 3362 ou IG25 ou Proglaze II ou SS562, qui est également une colle pour usage VEC.

Si on choisit la solution de coller sur la feuille de verre extérieure et du vitrage débordé, la plaque de verre extérieure ne peut pas être complètement durcie. Pour du vitrage avec une résistance à la rupture augmentée, uniquement du vitrage demi-durci entre en ligne de compte dans ce cas pour la plaque de verre extérieure. Pour des plaques de verre avec un enduit sur face 2 (la face sur laquelle la colle est appliquée), il est nécessaire dans certains cas d'enlever cet enduit à la hauteur du joint de colle pour garantir une adhérence suffisante dans le temps. Veuillez vous adresser à votre fournisseur du vitrage et/ou à Dow Corning pour obtenir des renseignements complémentaires.

Min. épaisseur du vitrage 36

Max. épaisseur du vitrage 60.

Les compositions de vitrage admises sont aussi indiquées dans l'agrément technique (ETA).

• Support pour poids propre

Ce système ne peut être utilisé qu'à condition que les deux plaques de verre soient supportées pour leur poids propre, pour que le joint de colle ne soit pas soumis à une charge continue de cisaillement sous l'influence du poids propre. Concrètement cela signifie qu'au moins la moitié de la plaque de verre extérieure doit être supportée. Dans le cas de verre feuilleté, au moins la moitié de la plaque de verre la plus extérieure doit être à moitié supportée: par exemple, pour du verre feuilleté type 44.2 avec une épaisseur totale d'environ 8,8 mm, au moins 6,8 mm doit être supporté. Les couches PVB ne sont en effet pas développées pour accueillir une charge de cisaillement continue.

• Compatibilité des matériaux environnants avec joint extérieur collé

Tous les matériaux environnants du joint extérieur collé doivent être compatibles avec joint extérieur collé. Les matériaux du système comme décrits dans ce catalogue ont évidemment été testés sur leur compatibilité avec la colle DC 993, également les joints EPDM utilisés. Si toutefois d'autres matériaux sont appliqués dans le système, les certificats nécessaires de compatibilité doivent être produits sur demande.

• Cales de vitrage

Entre la cale de vitrage aluminium et le verre, un bloc silicone doit être appliqué type colypro (colymit) avec une dureté de 70 jusqu'à 80 SHORE A. Ces blocs ne sont pas inclus dans la gamme Reynaers, mais la plupart des sociétés de collage les ont en stock. Il est important que ceux-ci soient également compatibles avec le joint extérieur collé.

• Sociétés de collage

Le collage ne peut être fait que par de colleurs approuvés pour la réalisation du collage structurel conformément à l'ETAG 002. Le collage entre le vitrage et l'ouvrant doit être parfaitement perpendiculaire pour la fonctionnalité lors de l'ouverture et de la fermeture de l'ouvrant. Les tolérances dimensionnelles sur le Vitrage collé de soutien profil sont +/-1mm.

b) Commande profile de collage

Pour chaque projet CW 65-EF/SG le service technique de Reynaers Aluminium Duffel fait une analyse, à base de laquelle l'accord peut être donné pour la livraison des profilés de collage

Nécessaires. La base de cette analyse est un formulaire de demande rempli (form 158 ou la demande digitale). Cette analyse peut être divisée en 3 parties comme décrit ci-dessous.

• Contrôle dimensions joint extérieur collé

A base de la charge du vent (charge extrême avec période de retour de 10 ans), les dimensions des éléments et la composition du vitrage, on vérifie si la hauteur classique du joint extérieur collé (= 18.5/13.5 mm pour profil 134.1116.17SG / 107.0102.17SG) suffit pour accueillir cette charge du vent. On contrôle également si l'épaisseur du joint extérieur collé (classique 6,4 mm) suffit pour couvrir la différence en expansion thermique entre le verre et l'aluminium. Une confirmation de ces calculs est également demandée aux sociétés de collage.

• Contrôle des dimensions des éléments

Pour des parties ouvrantes, on vérifie si les dimensions des éléments et le poids des éléments proposés peuvent être réalisés avec les compas dans notre gamme. Nous nous référons aussi aux diagrammes pour dimensions admissibles plus loin dans le catalogue. Pour des parties fixes, on effectue surtout un contrôle du poids (à part bien sûr le contrôle des dimensions du joint mêmes – voir premier point). Si 2 cales de vitrage sont utilisées avec une largeur de 100 mm, ce qui est obligatoire, le poids total de l'élément doit rester limité en fonction de compas, support cale de vitrage, la section de profil.

Finalement, on vérifie si, avec la composition de verre proposée, la plaque de verre extérieure est à moitié supportée.

Ces valeurs ne sont valables qu'en cas où la plaque de verre intérieure est aussi épaisse ou plus épaisse que la plaque de verre extérieure.

• Applications spécifiques

Pour des applications spécifiques (détaillage coin, façade en facettes, façade inclinée,...) et si la solution diffère de la solution du catalogue, la faisabilité technique est vérifiée. Si le projet est approuvé, la prescription de collage de sociétés de collage est envoyée au client pour le lot en question du profilé de collage.

Annexe: FORM 158

STRUCTURELE VERLIJMINGSPROJECTEN
VOLGENS ETAG 002REYNAERS ALUMINIUM NV/SA
Oude Liersebaan 266 • B-2670 Duffel
t +32 16 30 86 00 • f +32 16 30 86 00
www.reynaers.com • info@reynaers.com

Gelieve dit document terug te sturen naar R&D van Reynaers Aluminium N.V. alsook uw bestelling naar onze Verkoopafdeling.

Projectnaam: _____
Verfadres: _____
Land: _____

Firma en contactpersoon: _____

Systeem	Profielen	Lengte	Aantal
☐ CW 50 – Top Hung	034.1116.17 SG	7m	
☐ CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐ CW 50-SG	034.1116.17 SG	7m	
☐ CW 50-SC	034.1116.17 SG	7m	
☐ CW 60	034.1116.17 SG	7m	
	028.2030.17 SG	7m	
☐ CW 86	028.2031.17 SG	7m	
	007.0161.17 SG	6m	
	007.0220.17 SG	7m	
☐ CW 65-EF/SG	007.0230.17 SG	7m	

Oppervlakte project: _____ m²
Max. paneelafmetingen: Breedte x Hoogte: _____ x _____ mm
Glassamenstelling: Binnenblad _____ mm x Spouw _____ mm x Buitenblad _____ mm
Piek winddruk: _____ Pa (ontwerpbelasting, terugkeerperiode van 10 jaar, incl. locale drukparameters)Hoekdetails: ☐ Ja → ☐ Oplossing volgens catalogoog
☐ Specifieke oplossing → tekening bijgevoegd
☐ NeeGebogen gevel: ☐ Ja → Hoek tussen 2 facetten = _____ °Verticale gevel: ☐ Nee
☐ Ja → Hoek β ten opzichte van het verticale vlak = _____ °

Tekeningen: _____ doorsneden/aanzichten/grondplannen in bijlage

Verlijmingsfirma: _____
Adres: _____

Goedkeuringsnummer voor Structurele Verlijming volgens ETAG, gegeven door Genotificeerde Instantie: _____

Silicone leverancier: _____ Type _____
Verlijmingsfirma goedgekeurd door silicone leverancier: ☐ Ja ☐ Nee

TECHNISCHE GOEDKEURING

In te vullen door R&D van Reynaers Aluminium DUFFEL, na beoordeling van project

Aantal	Profielen	Batch	Print	Kleur profielen	Rapport

Datum: _____ Door: _____

Form: FORM 158

Data: 10/01/11
Printed on: maandag 25 november 2013

Version: 6.0

1/2

II.4.4. Remplacement du vitrage

Comme le vitrage est directement collé sur la structure de base via le profilé de collage, il n'est pas possible d'ôter, en cas de bris de vitre, le cadre pour remplacer le vitrage en atelier. Sur ce type de mur-rideau, le vitrage doit être remplacé sur le chantier. Des règles spécifiques ont été définies à cette fin par les fournisseurs de silicone ainsi que via "l'Agrément technique européen (ATE)". Il est possible que des directives / restrictions nationales supplémentaires doivent également être respectées.

Procédure pratique:

Étape 1: dépose de la vitre brisée et des profilés de collage usagés.

Étape 2: en atelier, un profilé de collage est seulement monté sur la face supérieure de la vitre. Le réducteur de feuilure doit seulement être collé sur le profilé de collage. Le joint réduit doit être calculé par projet.

Étape 3: les profilés de collage restants doivent être montés directement sur le cadre. Ils doivent au minimum posséder une sécurité mécanique.

Étape 4: un réducteur de feuilure doit être prévu sur le profilé de collage. Le réducteur de feuilure doit être interrompu localement à l'emplacement des clips (voir les détails x).

Étape 5: placement du vitrage sur le dormant (sur le chantier). Le vitrage est accroché au cadre de base avec le profilé de collage monté. Le poids propre doit être soutenu par des supports cales de vitrage.

Étape 6: le vitrage doit recevoir une sécurité mécanique temporaire, au moyen d'un système spécifique, le cas échéant en combinant des clamp de vitrage 097.0762.00 supplémentaires et un système anti-dégondage.

Étape 7: collage du vitrage par l'intérieur du bâtiment (selon des prescriptions ATE spécifiques).

Étape 8: après durcissement de la colle, les clamp de vitrage 097.0762.00 temporaires doivent être enlevés et ces ouvertures doivent être étanchéifiées.

Points importants du collage structurel

Pour des informations générales, voir le point II.4.3 a).

Conditions de pose optimales du vitrage (en liaison avec DC 895 de Dow Corning):

Température ambiante: 5 °C à 40 °C

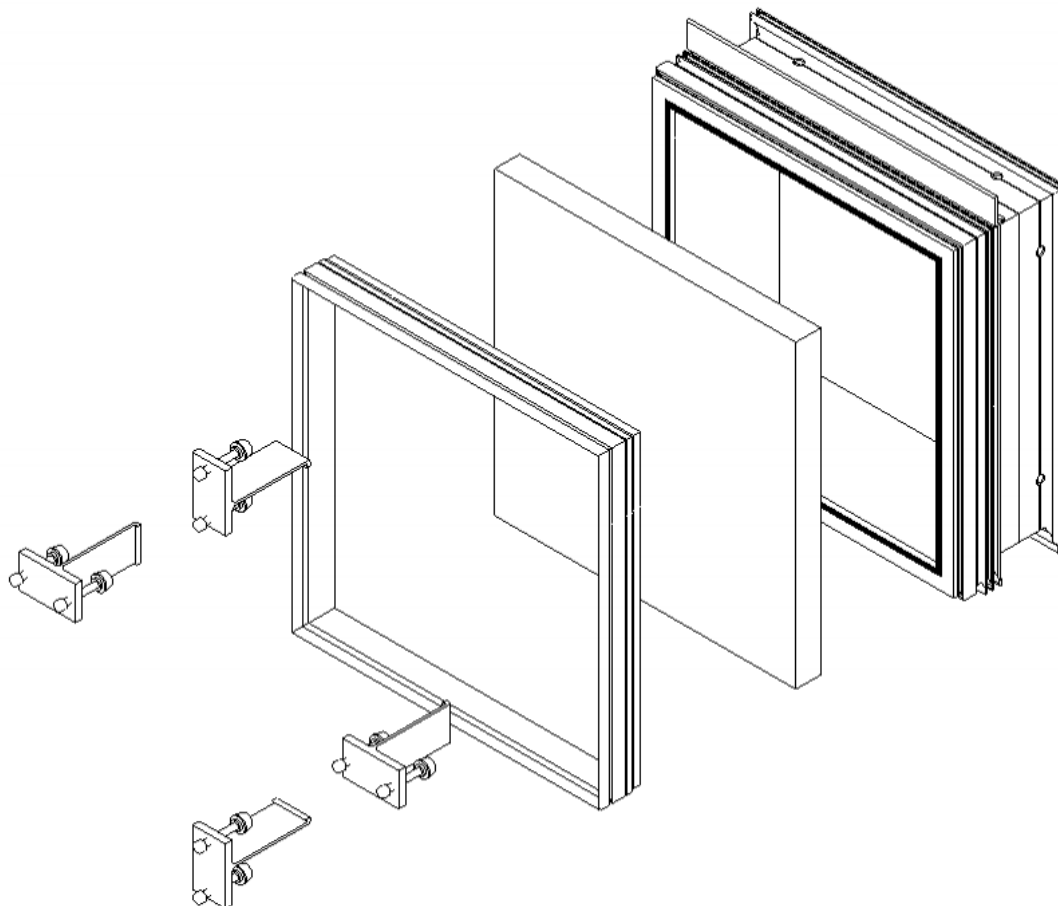
Humidité ambiante: 40 % à 95 %

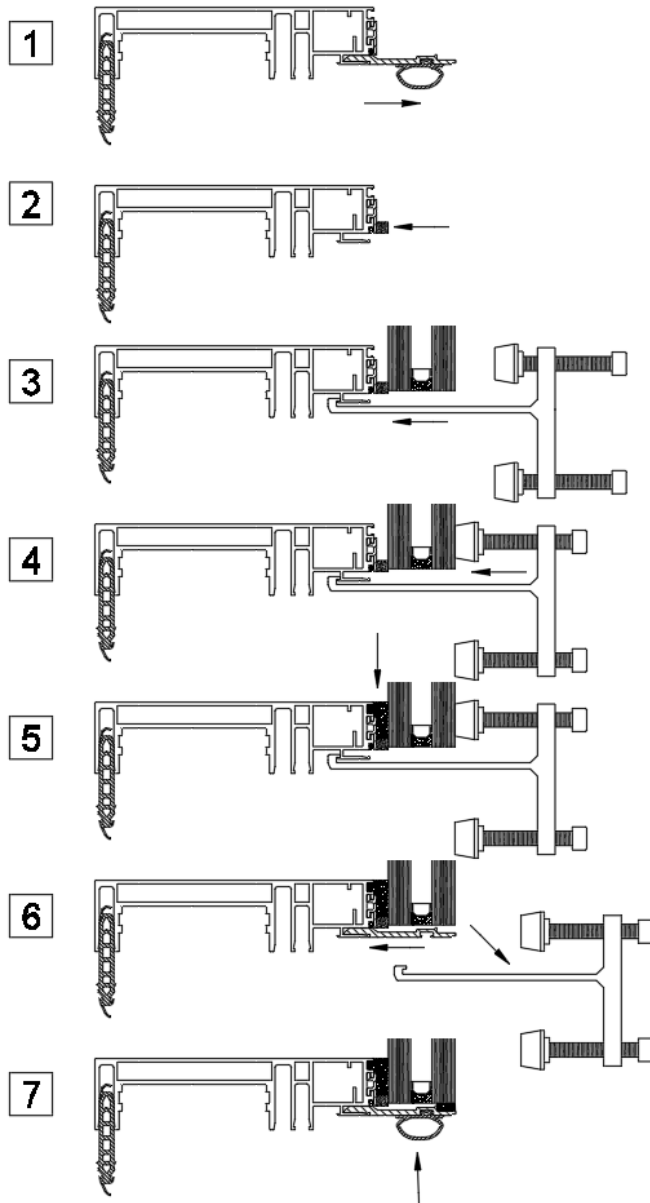
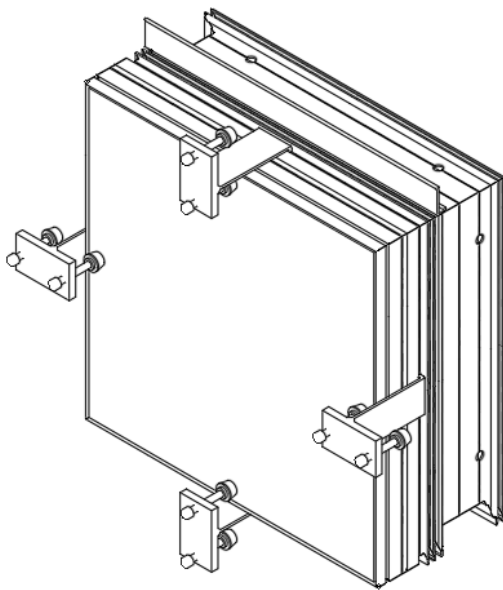
Plage de températures conseillée: entre 15 °C et 30 °C

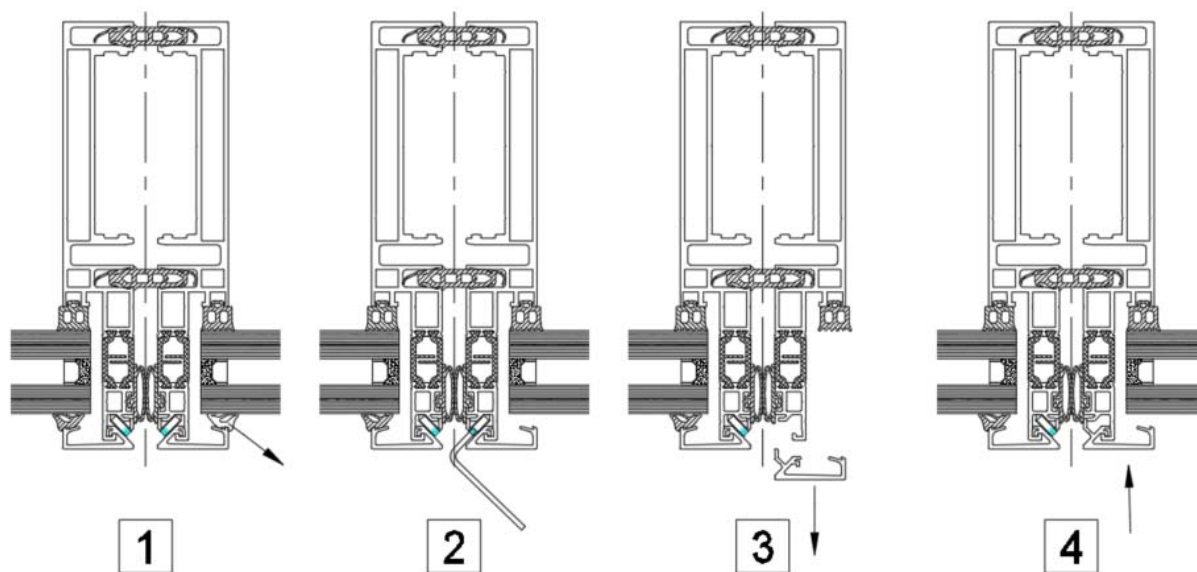
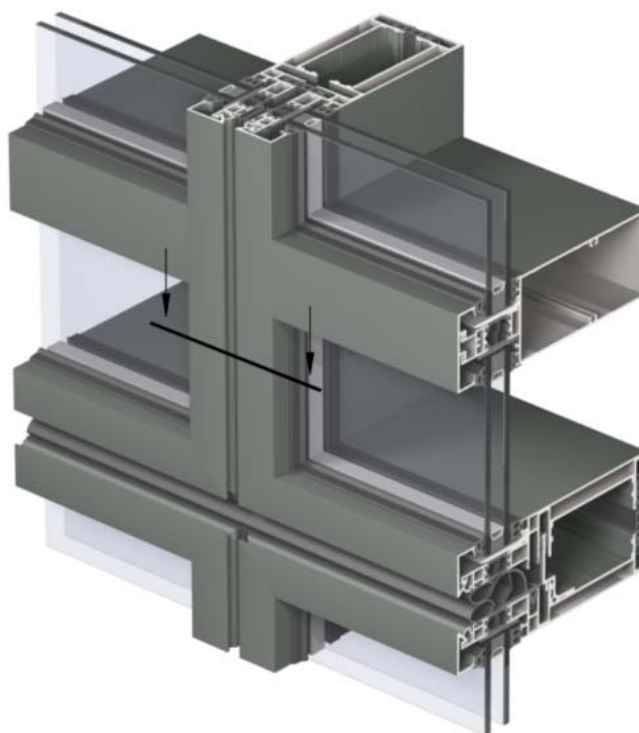
• Colle structurelle à employer = DC 895 de Dow Corning (ou autres colles silicones reprises dans l'ATE)
DC 895 est un produit de fermeture mono-composant à la silicone pour vitrages structurels.

• Nettoyant à employer pour profilés de collage 007.0220.17 / 007.0230.17

Comme les conditions d'environnement d'un chantier ne sont pas contrôlées, les surfaces du joint doivent être nettoyées et apprêtées et les vitrages doivent être installés et étanchéifiés dans un délai d'une (1) heure ou moins.







1. Retirer le joint de vitrage
2. Retirer les vis pointeau avec une clé Allen (2 vis par angle à +/- 100mm des bords)
3. Démonter les parclores
4. Remplacer le volume verrier
5. Remonter les parclores
6. Replacer le joint le vitrage
7. Remettre en place les vis pointeau

PROCESSING DATA

I. GENERAL

See catalogue "1. General Information" (089.C67A.00 edition 11/2020)

II. PROCESSING DATA CURTAIN WALL EF 7 & EF 7 SG

Assembly

EF 7

This system is a thermally insulated aluminium element (unitised) façade consisting of frames that are glazed on the outsides with slightly glazing beads that accentuate the contour of the different volumes. Recessed rubber gaskets ensure a joint width of 11mm between the frames. The visible width of the aluminium construction on inside and outside is 75 mm. These elements are completely assembled (frame and filler) in the workshop. This simplifies installation on site. The façade consists of fixed parts of identical appearance so that they create a uniform front and are not wider than the visible 75 mm on the inside and outside at any point. The profiles for the assembled frames are tubular. The depth of the structure depends on the inertia resulting from the loads. The frames also have sufficient rigidity to allow the transport and positioning of preassembled elements. Extrusion of made-to-measure profiles to meet the demanded inertia and desired aesthetics is possible on request. The transoms have the same visible width of 65 mm; the transoms are able to bear the weight of the glazing or filler.

EF 7 SG

This system is an aluminium element (unitised) façade consistent on frames that are glazed with structural glass to become a complete flush appearance at the outside of the building. The structural glass panels are bonded on a natural anodised profile to guarantee a good cohesion of the panels to the main structure. Recessed rubber gaskets ensure a joint width of 11mm between the frames. The visible width of the aluminium construction at the inside is 75 mm. These elements are completely assembled (frame and filler) in the workshop. This simplifies installation on site. The façade consists of fixed parts of identical appearance so that they create a uniform front. The profiles for the assembled frames are tubular. The depth of the structure depends on the inertia resulting from the loads. The frames also have sufficient rigidity to allow the transport and positioning of preassembled elements. Extrusion of made-to-measure profiles to meet the demanded inertia and desired aesthetics is possible on request. The transoms have the same visible width of 75mm; the transoms are able to bear the weight of the glazing or filler.

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: Reynatube cutting grease block (Art.no. 086.9191.--) for saw blades, cutting spray (art.no. 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 for obtaining perfect mitres and saw cuts after assembly of a window or door.

The largest pressure must always be applied on the reference side of the profiles. This reference side should be placed perfectly horizontal or vertical on the sawing table.

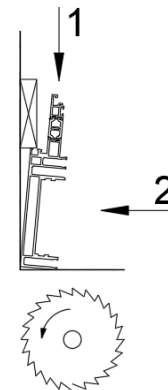
Clamping blocks are to be used :

- 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

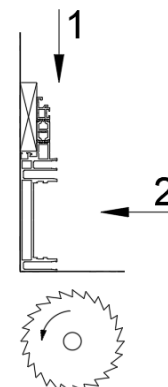
- FAULT:** The clamping pressure is on the upper side of the profile, allowing it to twist during cutting.
- CONSEQUENCE:** An oblique saw cut resulting in the outside of the profile being shorter than the inside.
- RESULT:** On assembly, the corner is closed on the inside and open on the outside.



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 during assembly :

1. Corner connections
2. T-brackets and cross sections
3. Drainage and recesses for accessories
4. Gaskets.

1.2.1 Corner connections

MITRE CUT

Steps:

- a. Correct sawing.
- 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.no. 086.9210.--);
 - applying anti-corrosion product (Reynaprotector art.no. 086.9206.SY).
- c. Sealing: applying a neutral elastic sealing agent on the saw cuts.
- d. Gluing: applying an approved sealing glue (glue for corner connection Reynaseal Duo art.no. 084.9080.--):
 - in the profile chambers for corner connections.
- e. Making the connection: the corner cleats can be inserted and the mechanical corner connection can be made by crimping.
- f. The adhesive residue on the visible sides of the completed elements has to be removed by means of a non-aggressive product (Reynafinish art.no. 086.9210.--).

STRAIGHT CUT

Steps:

- a. Correct sawing.
- 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.no. 086.9210.--);
 - applying anti-corrosion product (Reynaprotector art.no. 086.9206.SY);
- c. Insert the designated end piece on the transoms.
- d. Screw the mullion to the transom.

1.2.2 T-bracket of the supporting structure – main frames

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.no. 086.9210.--);
 - applying anti-corrosion product (Reynaprotector art.no. 086.9206.SY).
- c. Sealing: by means of an elastic sealing agent on the indicated spots.
- d. Screw the profiles together.
- e. Remove excess sealing residue.

1.2.3 Drainage and decompression of glass frames, main frames and mullion-transoms

Steps :

- a. Correct sawing, drilling or milling.
- b. Protection of the treated surfaces by :
 - deburring (if necessary);
 - removing dust and burrs;
 - degreasing (Degreaser art.no. 086.9210.--);
 - applying anti-corrosion product (Reynaprotector art.no. 086.9206.SY).

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

- each glass frame is provided with drainage holes in accordance with the prescriptions indicated on page 68.F...

1.2.4 Gaskets

All gaskets are of EPDM resistant to weathering and ageing. They should be carefully applied to ensure the tightness of the curtain wall.

Applying the glazing 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 in the appropriate grooves within the profiles; 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.no. 086.9551.--).
3. Gluing (sealing): in the corners, glazing gaskets should be glued with vulcanising agent (art.no. 084.9108.04).

This vulcanising agent will remain elastic and because of this the gasket will also fit perfectly into the corners.

II.2 INSTALLATION

II.2.1. Fitting into the structural opening

The curtain wall element is fixed on the supporting structure by means of anchoring. Quantity, position and anchoring method must be so that forces applied on the curtain wall element can be transferred to the adjacent building structure. These forces can be: wind load, self-weight, application load, sun protection, installations for window-cleaners. Anchoring may under no condition influence the bearing power of the adjacent building parts. Anchoring or other fixations must be positioned and executed in such way that the construction cannot be loaded by the surrounding structure or be deformed. Changes in the length, resulting from temperature fluctuations, must be allowed for. Also, the allowed tolerances of the structural work must be compensated for by the curtain wall construction and anchoring without any water leakage or air infiltration. Therefore the anchoring construction must offer enough adjusting possibilities in order to allow fitting during assembly. Anchoring may under no condition hinder the good functioning of moveable parts and accessories. Movements between the structural work and the curtain wall element may not cause any disturbing noise caused by the anchoring. In certain cases, anchoring can cause a thermal bridge. In those cases it will be necessary to restrict the flow of heat as much as possible. The mechanical strength however must remain sufficient. All anchoring, as far as they are not made of aluminium or stainless steel, should be adequately corrosion-protected and may not attack the aluminium themselves. The max. admissible movements of the structural work at the height of the anchoring of the main frames depends on the height-width relation of the elements.

II.2.2. Fitting of the accessories

The choice of the fixing points, number of locking points, max. vent weight, max. vent sizes, applied vent weight, 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 jammed. Because of the possibility to transport glazed elements to the building site, and in case one opts for this possibility, one should take care that vents with regard to the main frame cannot move during transport.

II.3 GLAZING

The CW 65-EF-system is designed for glazing with EPDM gaskets.

The applied glazing system is the so-called pressure equalised glazing system.

This system allows a certain extent of water infiltration in the construction. The possible infiltrated water must be drained in a controlled way by the glass frames or the horizontal profiles of main frame or mullion-transom.

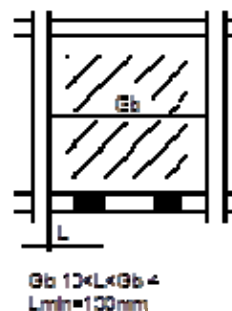
The following aspects are of major importance for this glazing system :

- the inner gasket must be air tight;
- the outer gasket must prevent water from infiltrating into the rebate

Fixation of the glazing

Glass panels may not be in direct contact with the aluminium without application of glazing blocks and a gasket. In case of insulated glass, both glass plates must be regularly supported. The supporting blocks, supported by an aluminium glass support, should transfer the glass weight on to the profiles and must be positioned at a distance of 0.25 to 0.1 times the length of the glass width (at least 100mm) from the corner of the glazing. The reference point is the centre of these blocks

In order to restrict deflection of the suspension profile under the influence of the glass weight, we recommend to position the glass supports at the glass corners, taking into account the above mentioned restrictions.



EF 7:

The glass frame in the curtain wall is at least 12 mm. This takes account of a tolerance of 10 mm or the aluminium frame (5 mm per side)

The glazing beads of the glass frames are mechanically protected against unclipping at least once per profile.

EF 7 SG:

See specific points for structural glazing in chapter II.4.3.

II.4 CW 65-STRUCTURAL GLAZING

II.4.1. General

This system is an aluminium element (unitised) façade consistent on frames that are glazed with structural glass to become a complete flush appearance at the outside of the building. The structural glass panels are bonded on a natural anodised profile to guarantee a good cohesion of the panels to the main structure.

II.4.2. Order of the profiles

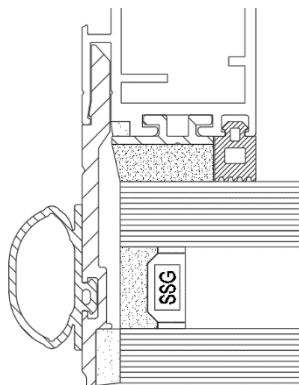
For each CW 65-EF/SG (or CW 65-EF with opening elements) project the Technical Department of Reynaers Aluminium Duffel conducts an investigation on the basis of which an approval can be given for the delivery of the necessary gluing profiles. The basis of this investigation is a completed application form (Form 158 of digital request).

II.4.3. Structural gluing

a) Structural gluing : items to be observed

• Structural glue to be used = DC 993 or Dow Corning or Sika: SG500 or Tremco: VEC99 Proglaze II (or other silicones indicated in ETA).

The adherence tests and compatibility tests with surrounding materials described in the EOTA guide for structural glazing systems have only been performed for the structural glue DC 993/SG500/VEC 99/Proglaze II. For each new batch of gluing profile Dow Corning/Sika/Tremco performs accelerated adherence tests (so called peel tests). Based on the results of these tests, a gluing prescription (nr. DC XXXXX) for this particular lot of the gluing profile is drawn up, stating that the profiles have been approved for structural use. Note that this prescription only remains valid for 6 months. A renewal of the prescription can be obtained by having the abovementioned tests performed again after 6 months.



• Cleaner to be used for gluing profile 134.1116.17SG / 107.0102.17SG

Before applying the structural glue to the gluing profile, this profile has to be cleaned. The cleaner has the double function of degreaser and primer. The use of an extra primer is not necessary. This is of course also mentioned in the gluing prescription.

• Possible glazing types

The most current glazing types can be used in this system; We refer to the ETA for more precise information. For double glazing the glue DC 3362 or IG25 or Proglaze II or SS562, which is also structural glue, is preferably used for the hermetic joint between both glass plates. The solution with glueing on the outer glass plate and stepped glazing implies that the outer glass plate may not be fully hardened. For glass with increased breaking resistance only half hardened glass (durci) is suitable for the outer glass plate in this case. Glass plates with a coating on the side on which are glued, require in certain cases the removal of this coating at the height of the glue joint to guarantee sufficient long-lasting adhesion. For more information please contact the glass supplier and/or Dow Corning.

Min. glass thickness 36

Max. glass thickness 60.

The allowed glass compositions are also indicated in the technical approval (ETA).

• Support for self-weight

This system may only be used if there is support of both glass plates for self-weight, so that the glue joint is not submitted to a continuous shearing load under the influence of self-weight. In practice this means that at least half of the outer glass plate has to be supported. In case of laminated glazing at least half of the most outer glass plate has to be half supported: e.g. for laminated glazing type 44.2 with a total thickness of approximately 8.8 mm, at least 6.8 mm has to be supported. The PVB layers are indeed not developed to receive a continuous shearing load.

- Compatibility of the surrounding materials with the structural seal

All surrounding materials of the structural joint have to be compatible with the structural glue. The materials of the system shown in this catalogue, including the EPDM gaskets used, have of course been tested on their compatibility with the structural glue. However, if other materials are applied in the system, the required compatibility certificates must be shown when asked.

- Glass supports

Between the aluminium glass support and the glass a silicone block type with hardness of 70 to 80 SHORE A has to be fitted. These blocks are not included in the Reynaers range but most gluing companies keep them in stock. Their compatibility with the structural seal is also very important.

- Gluing companies

Gluing can only be done by gluing companies approved for structural gluing according to ETAG 002. Glueing between the glass sheet and the vent profile must be at right angles in order to guarantee the good functionality of the vent when opening and closing it. The dimensional tolerances on the structural sealant support frame are +/- 1mm.

b) Order gluing profile

For each project CW 65-EF/SG the technical department of Reynaers Aluminium Duffel has to conduct an investigation on the basis of which an approval can be given for the delivery of the necessary gluing profiles. The basis of this investigation is a completed application (form 158 or digital request). This investigation can be split up into the following 3 parts:

- Checking the sizes of the structural joint

Based on the wind load (peak wind load with a returning period of 10 years), the element sizes and the glass composition, it is checked whether the standard height of the structural joint (= 18.5/13.5 mm for profile 134.1116.17SG / 107.0102.17SG) is sufficient to take up this wind load. It is also checked whether the thickness of the structural joint (standard 6.4 mm) is sufficient to cover the difference in thermal expansion between glass and aluminium. Silicone supplier is also asked for confirmation of these calculations.

- Checking the element sizes

For opening parts it is checked whether the proposed element sizes and the element weight can be realised with the friction stays in our product range. We also refer to the diagrams for permissible sizes further on in the catalogue. For fixed parts mainly a weight check is carried out (next to the control of the joint sizes themselves of course - see first item). If 2 glass supports with a width of 100 mm are used, which is compulsory, the total element weight has to remain restricted in function of friction stay, glass support and profile section. Finally it is checked whether, with the proposed glass composition, the outer glass plate is half supported.

These values are only valid in case the inner glass thickness is equal to or bigger than the outer glass thickness.

- Specific applications

For specific applications (angle details, curtain wall in facets, sloped curtain wall,...) the technical feasibility is checked in case the solution is different from the catalogue solution.

After approval of the project, the glueing prescription of Silicone supplier for the lot of glueing profile concerned is sent to the customer.

Exhibit: FORM 158

STRUCTURELE VERLUMINGSPROJECTEN
VOLGENS ETAG 002

REYNAERS ALUMINIUM NV/SA

Oude Liersbaan 266 • B-2570 Duffel
t +32 15 30 86 00 • f +32 15 30 86 00
www.reynaers.com • info@reynaers.com

Gelieve dit document terug te sturen naar R&D van Reynaers Aluminium N.V. alsook uw bestelling naar onze Verkoopafdeling.

Projectnaam: _____
Werfadres: _____
Land: _____

Firma en contactpersoon: _____

Systeem	Profielen	Lengte	Aantal
☐ CW 50 – Top Hung	034.1116.17 SG	7m	
☐ CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐ CW 50-SG	034.1116.17 SG	7m	
☐ CW 50-SC	034.1116.17 SG	7m	
☐ CW 60	034.1116.17 SG	7m	
	028.2030.17 SG	7m	
☐ CW 86	028.2031.17 SG	7m	
	007.0161.17 SG	6m	
☐ CW 65-EF/SG	007.0220.17 SG	7m	
	007.0230.17 SG	7m	

Oppervlakte project: _____ m²
Max. paneelafmetingen: Breedte x Hoogte: _____ x _____ mm
Glassamenstelling: Binnenblad _____ mm x Spouw _____ mm x Buitenblad _____ mm
Piekl winddruk: _____ Pa (ontwerpbelasting, terugkeerperiode van 10 jaar, incl. locale drukparameters)Hoekdetails: ☐ Ja → ☐ Oplossing volgens catalogoog
☐ Specifieke oplossing → tekening bijgevoegd
☐ NeeGebogen gevel: ☐ Ja → Hoek tussen 2 facetten = _____ °Verticale gevel: ☐ Nee
☐ Ja → Hoek β ten opzichte van het verticale vlak = _____ °

Tekeningen: _____ doorsneden/aanzichten/grondplannen in bijlage

Verlijmingsfirma: _____
Adres: _____

Goedkeuringsnummer voor Structurele Verlijming volgens ETAG, gegeven door Genotificeerde Instantie: _____

Silicone leverancier: _____ Type _____
Verlijmingsfirma goedgekeurd door silicone leverancier: ☐ Ja ☐ Nee

TECHNISCHE GOEDKEURING

In te vullen door R&D van Reynaers Aluminium DUFFEL, na beoordeling van project

Aantal	Profielen	Batch	Print	Kleur profielen	Rapport

Datum: _____ Door: _____

Form: FORM 158

Date: 10/01/11
Printed on: maandag 25 november 2013

Version: 6.0

1/2

II.4.4. Replacing glass panel

Since the glazing is glued directly into the basic structure via the glazing profile, it is not possible to remove the frame for replacing glass panel in the workshop if the glass breaks. With this type of curtain wall, replacing glass panel must be carried out on site. Specific rules have been put forward for this via the silicone supplier as well as the “European Technical Approval” (ETA). There may also be additional country-specific guidelines / restrictions which must be taken into account.

Practical procedure:

Step 1: remove the broken glazing and the used glazing profiles

Step 2: In the workshop, glazing profile is only fitted to the top of the glass plate. The fillister reducer must be glued to the glazing profile. The reduced gasket must be calculated per project.

Step 3: other glazing profiles must be fitted directly to frame. These must be mechanically protected at least once.

Step 4: fillister reducer must be fitted to glazing profile. Fillister reducer must be interrupted locally at the clips (see det. x)

Step 5: fitting of the glass sheet to mainframe (on site). The glass sheet is hooked onto the base frame with fitted glazing profile. Support for own weight must be provided via glass supports.

Step 6: glass sheet must be temporarily mechanically secured. This must be done using specific equipment, possibly with additional glass clamp 097.0762.00 in combination with safety against unhooking.

Step 7: gluing the glass sheet via inside of the building (in accordance with specific ETA instructions).

Step 8: once the glue has hardened temporarily fitted glass clamp 097.0762.00 must be removed and these openings sealed up

Points for consideration re structural gluing

General info see point II.4.3 a)

Optimal glazing conditions (in combination with DC 895 from Dow Corning):

Temperature conditions: 5°C to 40°C

Humidity conditions: 40% to 95%

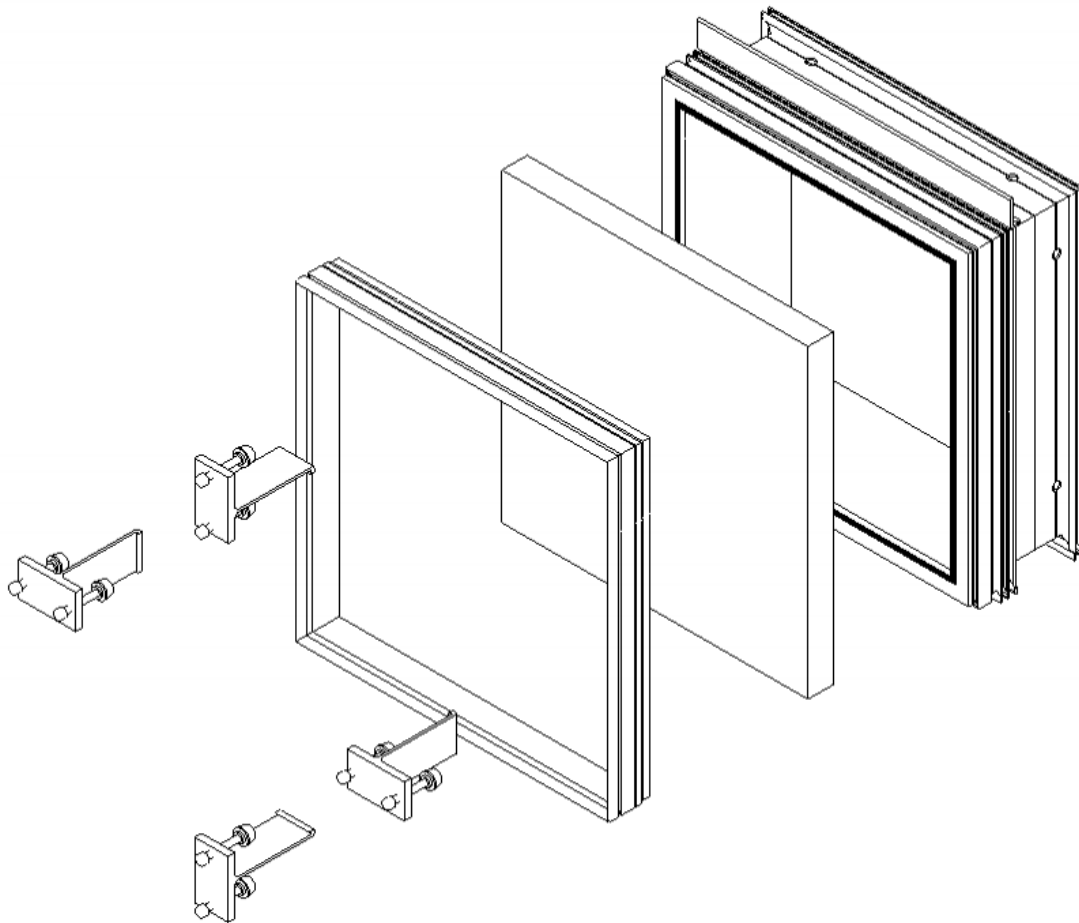
Recommended temperature range: between 15°C and 30°C

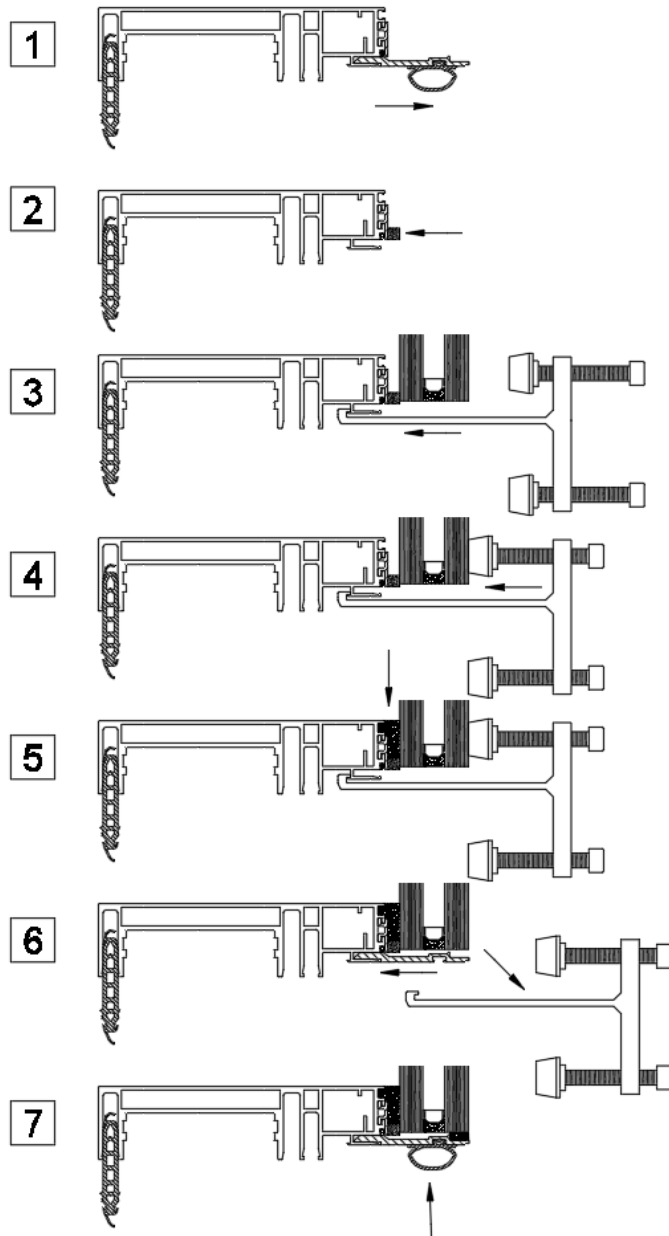
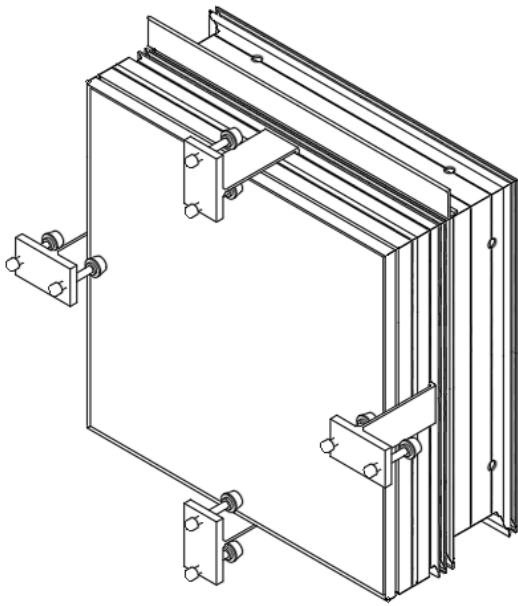
- Structural glue to be used = DC 895 from Dow Corning (or other silicones included in ETA)

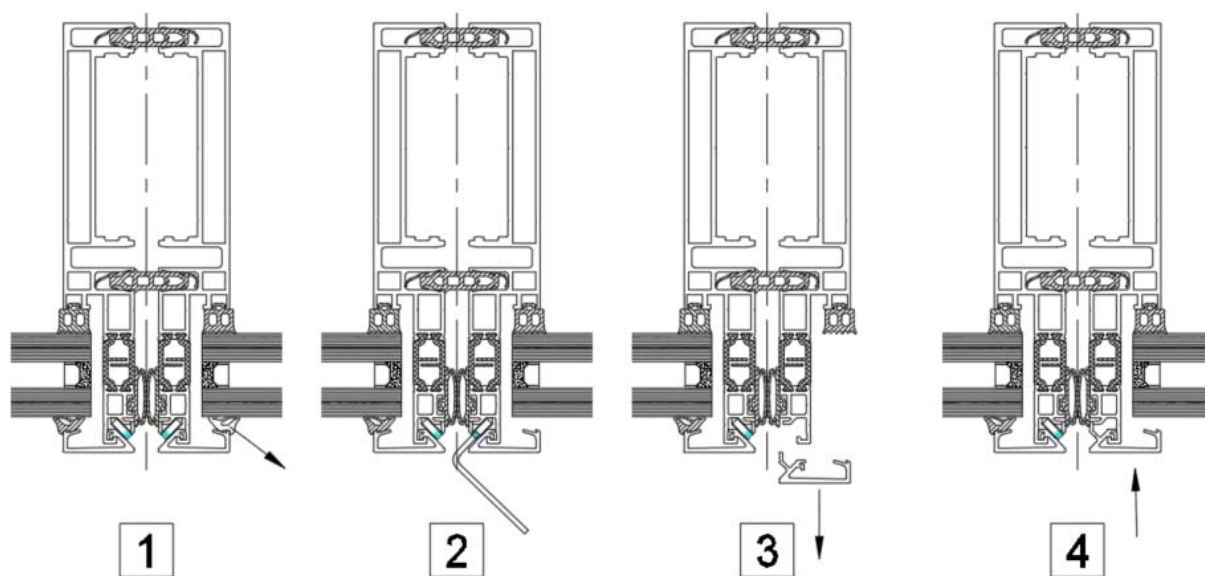
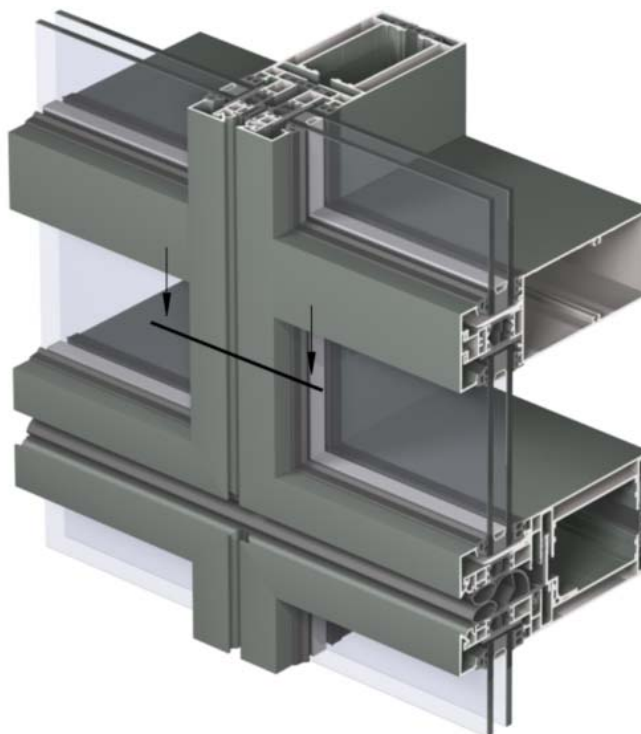
DC 895 is a single-component silicon gasket for structural glazing

- Cleaning agent to be used for glazing profile 007.0220.17 / 007.0230.17

Because the ambient conditions on a site cannot be controlled, the gasket surfaces must be cleaned and primed and the panels fitted and sealed within one (1) hour or less.







1. Remove frame gasket
2. Remove hexagon socket screw with hexagon socket key (2 screws per corner +/- 100mm from the edge)
3. Remove glazing bead.
4. Replace glass panel
5. Install glazing bead
6. Install frame gasket.
7. Install hexagon screw.

VERARBEITUNGSVORSCHRIFTEN

I. ALLGEMEIN

Siehe Katalog "1. Allgemeine Information (089.C67A.00 editie 11/2020)

II. VERARBEITUNGSVORSCHRIFTEN FÜR DIE FASSADEN EF7 und EF7 SG65-EF/HI

Montage

EF 7

Bei diesem System handelt es sich um eine wärmeisolierte einheitliche Fassade aus Aluminiumelementen, die aus Rahmen besteht, welche an der Außenseite mit leichten Glasleisten verglast werden, die wiederum die Konturen der verschiedenen Räume akzentuieren. Die ausgesparten Gummidichtungen sorgen für eine gleichmäßige Ausdehnung einer Fugenbreite von 11 mm zwischen den Rahmen. Die sichtbare Breite der Aluminiumkonstruktion an der Innen- und Außenseite beträgt 75 mm. Diese Elemente (Rahmen und Füllmasse) werden vollständig in der Werkstatt montiert. Dies vereinfacht wiederum die Installation vor Ort. Die Fassade besteht aus befestigten Elementen eines identischen Erscheinungsbildes. Hierdurch entsteht eine einheitliche Front, deren Breite in allen Bereichen der Innen- und Außenseite nicht mehr als 75 mm beträgt.

Die Profile des montierten Rahmens sind röhrenförmig. Die Tiefe der Struktur ist abhängig von der Trägheit, die aus der Last hervorgeht. Die Rahmen verfügen zudem über eine ausreichende Festigkeit, um den Transport und die Positionierung der vormontierten Elemente zu ermöglichen. Eine Extrusion der auf Maß zu fertigenden Profile, um die erforderliche Trägheit und die gewünschte Ästhetik zu gewährleisten, ist gegebenenfalls möglich. Die Sprossen verfügen ebenfalls über eine sichtbare Breite von 65 mm. Sie sind in der Lage, das Gewicht der Verglasung oder der Füllmasse zu tragen.

EF7 SG

Bei diesem System handelt es sich um eine einheitliche Fassade aus Aluminiumelementen, die gleichmäßig auf dem Rahmen aufliegen. Die Verglasung erfolgt mit Strukturglas, um ein vollständig ebenes Erscheinungsbild an der Außenseite des Gebäudes zu garantieren. Die strukturellen Glaspaneele sind mit einem natürlich eloxierten Profil verbunden, damit eine gute Haftung der Paneele an der Basisstruktur gewährleistet werden kann. Die ausgesparten Gummidichtungen sorgen für eine Fugenbreite von 11mm zwischen den Rahmen. Die sichtbare Breite der Aluminiumkonstruktion an der Innenseite beträgt 75 mm. Diese Elemente (Rahmen und Füllmasse) werden vollständig im Werkstattdbereich montiert. Dies vereinfacht wiederum die Installation vor Ort. Die Fassade besteht aus festen Komponenten eines identischen Erscheinungsbildes. Hierdurch wird eine einheitliche Front geschaffen. Die Profile des montierten Rahmens sind röhrenförmig. Die Tiefe der Struktur ist abhängig von der Trägheit, die aus der Last hervorgeht. Die Rahmen verfügen zudem über eine ausreichende Festigkeit, um den Transport und die Positionierung der vormontierten Elemente zu ermöglichen. Eine Extrusion der auf Maß zu fertigenden Profile, um die erforderliche Trägheit und die gewünschte Ästhetik zu gewährleisten, ist gegebenenfalls möglich. Die Sprossen verfügen ebenfalls über eine sichtbare Breite von 75 mm. Sie sind in der Lage, das Gewicht der Verglasung oder der Füllmasse zu tragen.

II.1 VERARBEITUNG

Um ein qualitativ hochwertiges Endprodukt zu erstellen, sollen bei der Verarbeitung folgende Punkte berücksichtigt werden:

II.1.1 Spanende Bearbeitungen

Mit ‚spanenden Bearbeitungen‘ sind alle mechanischen Bearbeitungen, wie Sägen, Fräsen, Bohren, Stanzen gemeint. Bei allen mechanischen Bearbeitungen ist auf den Einsatz geeigneter Sägeblätter, Fräser und Bohrer zu achten, damit die Oberfläche nicht durch Grate oder abplatzende Beschichtung beschädigt wird.

Zur Profilbearbeitung geben wir folgende Hinweise:

- Die spanabhebenden Werkzeuge müssen für den Werkstoff geeignet und ausreichend scharf sein.
- Die Maschinendrehzahl muss auf den Werkstoff Aluminium abgestimmt sein.
- Die Profilaufgaben müssen sauber und spanfrei sein.
- Zur Verlängerung der Werkzeugstandzeiten können geeignete Gleitmittel, wie der Fettstift Reynatube (Art.-Nr. 086.9191.--), das Reynaers-Schneidmittel (Art.-Nr. 086.9175.--) oder die von den Maschinenlieferanten vorgeschriebenen Kühl- und Schneidmittel eingesetzt werden. Diese Kühl- und Schneidmittel müssen chemisch neutrale Produkte sein, die die Oberfläche nicht angreifen.

Zuschnitt:

Der Auflage-/Säge-Tisch sollte eine glatte und ebene Auflagefläche bieten. Der dahinterliegende Anschlag sollte exakt im Winkel von 90° positioniert sein. Auf dem Maschinentisch sollen keine Verunreinigungen, wie Sägespäne oder Kleberreste vorhanden sein. Eine Fixierung der Profile erfolgt mittels Hand- oder pneumatischer Spannzyylinder, welche von oben und von vorne auf das Profil wirken.

Ein Verdrehen der Profile während des Sägevorganges ist durch den Einsatz von Schneidzulagen zu verhindern..

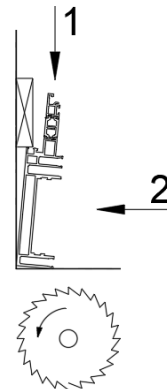
Bezugsseite ->



<- Bezugsseite

FALSCHE EINSpannung

- FEHLER:** Da der Hauptdruck der Spannvorrichtung auf die Falzseite des zu sägenden Profils einwirkt, verdreht sich das Werkstück.
- FOLGE:** Schiefer Sägeschnitt. Die Außenseite des Profils ist länger als die Innenseite.
- ERGEBNIS:** Beim Verpressen der Profile ist die Gehrung an der Innenseite dicht, steht aber an der Außenseite offen.



RICHTIGES SPANNEN

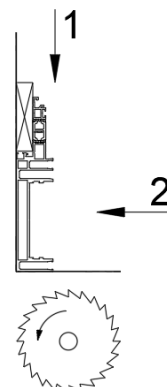
Der Hauptdruck der Spannvorrichtung wirkt ein auf die gesamte Fläche. Die Falzseite wird durch eine zweite Spannvorrichtung mit geringerer Kraft gehalten.

Durch diese korrekte Einspannung kann sich das Profil beim Sägevorgang nicht verdrehen.

Die Gehrung wird in der Eckverbindermaschine in der gleichen Art und Weise fixiert, so dass eine exakte Verbindung erreicht wird.

Anmerkung:

Es empfiehlt sich die Späne während des Sägevorganges abzu-saugen.



II.1.2 Profilverbindungen und deren Verarbeitung

In den Reynaers-Katalogen wird nach 4 Verarbeitungsschritten unterschieden :

1. Eckverbindungen;
2. Kleuzverbindung;
3. Entwässerung und Vorbereitung führt den Beschlageinbau;
4. Dichtungen.

1.2.1 Eckverbindungen

MITRE CUT

Verfahrensweise :

- a) Zuschneiden.
- b) Schutz der Schnittkanten:
 - Entgraten (falls erforderlich).
 - Schnittfläche und Profilkammern von Staub und Sägeresten säubern.
 - Entfetten der Profile (Degreaser Art.-Nr. 086.9210.--).
 - Korrosionsschutzprodukt (Reynaprotector art.no. 086.9206.SY) aufbringen.
- c) Abdichtung: die Schnittflächen mit einer neutralen Dichtungsmasse versehen.
- d) Klebereinsatz: Zweikomponentenkleber (z.B. Reynaseal Duo art.no. 084.9080.--) einbringen:
 - in allen Profilkammern Eckverbinders;
- e) Verbinden: die Verbindung der Profilstücke kann durch verpressen der Eckwinkel vorgenommen werden.
- f) Ausgetretener Kleber oder Dichtungsmittelreste müssen von den Sichtseiten entfernt werden (Reynaclean Art.-Nr. 086.9210.--)..

STRAIGHT CUT

c0078Verfahrensweise :

- a) Zuschneiden.
- b) Schutz der Schnittkanten:
 - Entgraten (falls erforderlich).
 - Schnittfläche und Profilkammern von Staub und Sägeresten säubern.
 - Entfetten der Profile (Degreaser art.no. 086.9210.--);
 - Korrosionsschutzprodukt (Reynaprotector art.no. 086.9206.SY) aufbringen.
- c. Setz das vorgesehene Eindstück in das Pfostenprofil ein.
- d. Schraub den Pfosten mit Schrauben mit einem Dichtring

1.2.2 Verbinder der Tragstruktur

Verfahrensweise:

- a) Zuschneiden, stanzen oder bohren.
- b) Schutz der Schnittkanten:
 - Entgraten (falls erforderlich).
 - Schnittfläche und Profilkammern von Staub und Sägeresten säubern.
 - Entfetten der Profile (Degreaser Art.-Nr. 086.9210.--).
 - Korrosionsschutzprodukt (Reynaprotector art.no. 086.9206.SY) aufbringen;
- c) Abdichtung: die Schnittflächen mit einer neutralen Dichtungsmasse versehen.
- d) Verbinden und festschrauben.
- e) Ausgetretener Kleber oder Dichtungsmittelreste entfernen.

1.2.3 Entwässerung und Entlüftung der verglasten Rahmen, Tragrahmen und Pfosten-Riegel

Verfahrensweise:

- a) Stanzen, bohren oder fräsen.
- b) Schutz der Schnittkanten:
 - Entgraten (falls erforderlich).
 - Schnittfläche und Profilkammern von Staub und Sägeresten säubern.
 - Entfetten der Profile (Degreaser Art.-Nr. 086.9210.--).
 - Korrosionsschutzprodukt (Reynaprotector art.no. 086.9206.SY) aufbringen.

Insbesondere ist auf folgendes zu achten:

- Alle Rahmenkonstruktionen müssen im Solbankbereich bzw. an den horizontalen T-Profilen mit entsprechenden Ausnehmungen versehen werden – siehe Seiten 69.F...

1.2.4 Dichtungen

Alle angebotenen Dichtungsprofile bestehen aus EPDM mit einer hohen Alterungs- und Witterungsbeständigkeit. Die Verarbeitung der Dichtungen hat sorgfältig und entsprechend den folgenden Hinweisen zu erfolgen:

Einbringen der Verglasungsdichtungen

Verfahrensweise :

1. Korrekt zuschneiden; die Mitteldichtung soll mit einer speziellen Schere (Art.-Nr. 090.0121.00) gemacht werden. Um ein Schrumpfen der Dichtungen zu vermeiden, sind diese je lfdm. ca. 10 mm länger zuzuschneiden.
2. Das Einbringen der Dichtung erfolgt in die vorgesehenen Dichtungsaufnahmen. Die Verarbeitung wird durch gerade Zuschnitte erleichtert. Die Verbindung dieser EPDM-Profile erfolgt wie vor beschrieben. Durch die Anwendung des Silikonssprays (Art.-Nr. 086.9551.--) wird das Einbringen der Dichtungen erleichtert.
3. Verleimen (Abdichten): Die Dichtungsecken oder –Stöße sollen grundsätzlich mit einem Vulkanisierkleber (art.no. 084.9108.04) verklebt werden. Der Einsatz dieses Klebers verhindert das Aushärten der Dichtungen im Stossbereich.

II.2 MONTAGE

II.2.1. Befestigung am Baukörper

Das Fassadenelement wird mit Verankerungen mit dem tragenden Rohbau verbunden. Anzahl, Anordnung und Art der Verankerung müssen so gewählt werden, dass die Kräfte, die auf das Fassadenelement wirken, gut auf die benachbarten baulichen Anlagen übertragen werden können. Diese Kräfte können unter anderem sein: Windlast, Eigengewicht, Gebrauchslasten, Sonnenschutz, Fensterputzanlagen usw. Die Verankerung darf die Tragfähigkeit angrenzender Bauelemente nicht beeinträchtigen. Die Anordnung und die Ausführung der Anker oder anderer Befestigungsmittel muss so erfolgen, dass das Element nicht durch bauliche Anlagen belastet werden kann und nicht verformt wird.

Längenveränderungen, die durch Temperaturschwankungen bedingt sind, müssen ungehindert möglich sein. Auch die zulässigen Toleranzen des Rohbaus müssen von der Fassadenkonstruktion und den Verankerungen aufgenommen werden können, ohne dass Feuchtigkeit eindringt oder es zu einer zu hohen Luftinfiltration kommt. Die Verankerungskonstruktion muss deshalb genügend Einstellmöglichkeiten bieten, damit sie während der Montage eingepasst werden kann. Die Verankerungen dürfen ferner die Funktionstüchtigkeit der beweglichen Elemente sowie der Beschläge nicht beeinträchtigen. Bewegungen zwischen Rohbau und Fassadenelementen dürfen nicht dazu führen, dass von den Verankerungen störende Geräusche verursacht werden. Bisweilen können Verankerungen Kältebrücken bilden. Dann muss der Wärmefluss so weit wie möglich eingeschränkt werden. Dabei ist sicherzustellen, dass die mechanische Festigkeit ausreichend hoch ist. Alle Verankerungen müssen – sofern nicht aus Aluminium oder Edelstahl – ausreichend vor Korrosion geschützt werden und dürfen auch das Aluminium nicht angreifen. Die maximal zulässigen Bewegungen des Rohbaus gegenüber den Verankerungen der Tragrahmen hängen vom Verhältnis der Höhe der Elemente zu ihrer Breite ab.

II.2.2. Einbau der Beschläge

Die Auswahl der Beschläge hat entsprechend den Vorgaben des Systemlieferanten bzw. des Herstellers der Beschläge zu erfolgen. Die hier angegebenen Werte bzgl. der max. Flügelabmessungen, des max. Flügelgewichtes, der Anzahl der Verschlusspunkte und der Anzahl der Türbänder sind einzuhalten. Bewegliche Teile sind, entsprechend den Angaben des Beschlagherstellers, mit säurefreiem Fett zu versehen. Eine Funktionsprüfung der Beschläge ist nach erfolgter Fertigung und Montage unerlässlich. Wo die Möglichkeit besteht, die Elemente verglast auf die Baustelle zu fahren, und diese Option gewählt wird, muss dafür gesorgt werden, dass sich die Flügel während des Transports nicht im Tragrahmen bewegen können.

II.3 VERGLASUNG

Das System CW86 wurde für die Verglasung mit EPDM-Dichtungen konzipiert.

Bei dem verwendeten Verglasungssystem handelt es sich um ein so genanntes Druckausgleichssystem.

Bei diesem System ist der Eintritt von Wasser in die Konstruktion in einem gewissen Rahmen zulässig. Eventuell eingedrungenes Wasser muss über die Glasrahmen oder die horizontalen Profile des Tragrahmens bzw. der Pfosten-Riegel-Konstruktion kontrolliert nach außen abgeleitet werden.

Folgende Aspekte sind bei dieser Art der Verglasung sehr wichtig:

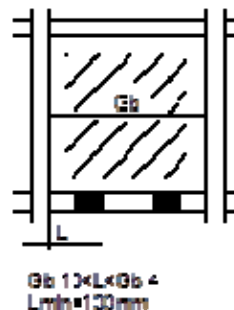
- Die Innendichtung muss so luftdicht wie möglich sein.
- Die Außendichtung muss so ausgeführt werden, dass möglichst kein Wasser in den Anschlag eindringt.

Verglasungsbefestigung.

Das Glaspaneel darf nicht direkt mit Aluminium in Kontakt kommen.

Der Gebrauch von Verglasungsklötzen und EPDM-Dichtungen ist unerlässlich. Bei Isolierglas müssen die beiden Einzelscheiben gleichmäßig unterstützt werden. Die Stützklötze, die von einem Aluminium-Glasauflageprofil unterstützt werden, sollen das Glasgewicht an die Profile ableiten. Diese sollen vorzugsweise in einem Abstand von 0,25 bis 0,1 Mal der der Glasbreite (mindestens 100mm) aus der Glasecke heraus positioniert werden. Bezugsmass ist die Mitte der Verglasungsklötze.

Um die Durchbiegung des Riegelprofils unter Einfluß des Glasgewichts zu beschränken, empfehlen wir, die Stützklötze so weit wie möglich in die Glasecken zu setzen. Die vorgenannten Mindestabstände sind einzuhalten.



EF 7:

Die Einklemmung des Glases in der Fassade beträgt mindestens 12 mm. Hierbei muss in Bezug auf den Aluminiumrahmen ein Spiel von 10mm berücksichtigt werden (also an beiden Seiten jeweils 5 mm).

Die Glasleisten der Glasrahmen werden an jedem Profil mindestens einmal mechanisch gegen ein Herausspringen gesichert.

EF 7 SG:

Zu den spezifischen Kriterien der strukturellen Verglasung vgl. Kapitel II.4.3

II.4 CW 65-STRUKTURELLE VERGLASUNG

II.4.1. Allgemeines

Bei diesem System handelt es sich um eine einheitliche Fassade aus Aluminiumelementen, die gleichmäßig auf dem Rahmen aufliegen. Die Verglasung erfolgt mit Strukturglas, um ein vollständig ebenes Erscheinungsbild an der Außenseite des Gebäudes zu garantieren. Die strukturellen Glaspaneele sind mit einem natürlich eloxierten Profil verbunden, damit eine gute Haftung der Paneele an der Basisstruktur gewährleistet werden kann.

II.4.2. Bestellung Profile

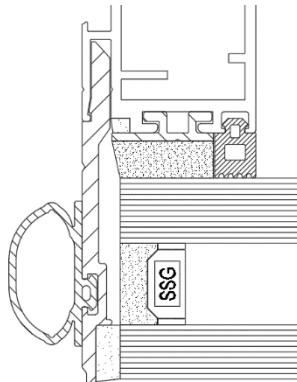
Für jedes CW 65-EF/SG (oder CW 65-EF mit aufgehende Teile) Objekt führt die technische Abteilung von Reynaers Aluminium Duffel eine Untersuchung durch. Auf dieser Grundlage kann eine Genehmigung für die Lieferung der notwendigen Profile erteilt werden. Diese Untersuchung stützt sich auf ein ausgefülltes Antragsformular (Typ Form 158 oder digitale Anwendung).

II.4.3. Strukturelle Verklebung

a) Strukturelle Verklebung: zu berücksichtigen Punkte

- Struktureller Klebstoff zu benutzen = DC 993 vom Dow Corning oder Sika: SG500 oder Tremco: VEC 99 Proglaze II (oder andere Silikonen angegeben in ETA)

Nur für den strukturellen Klebstoff DC 993 /SG500/VEC 99/Proglaze II sind die im EOTA-Führer für strukturelle Verglasungssysteme Beschriebenen Adhäsionsprüfungen und Vereinbarkeitsprüfungen mit den umliegenden Materialien ausgeführt. Für jede neue Partie von Verklebungsprofil werden bei Dow Corning / Sika / Tremco beschleunigte Adhäsionsprüfungen (sogenannte "Peeltests"), genauso wie die Anoprüfungen ausgeführt. Auf der Grundlage der Ergebnisse dieser Prüfungen wird eine Verklebungsvorschrift (nr. DC XXXXX) für diese Partie des Verklebungsprofils aufgestellt in der gemeldet wird, dass die Profile für strukturelle Benutzung genehmigt sind. Es ist wichtig zu bemerken, dass diese Vorschrift nur 6 Monate gültig ist. Eine Erneuerung der Vorschrift kann bekommen werden wenn man nach 6 Monaten die obigen Tests aufs Neue ausführen lässt.



- Reinigungsmittel zu benutzen für Verklebungsprofil 134.1116.17SG / 107.0102.17SG

Vor dem Anbringen des strukturellen Klebstoffs auf das Verklebungsprofil muss dieses Profil gereinigt werden. Das Reinigungsmittel dient sowohl als Entfettungsmittel als auch als Primer. Die Anwendung eines zusätzlichen Primers ist nicht notwendig. Das steht selbstverständlich auch in der Verklebungsvorschrift angegeben.

- Mögliche Verglasungen

Die meist üblichen Verglasungen können in diesem System eingesetzt werden; ETA kann hierüber Aufschluss geben. Für Doppelverglasung ist der zu benutzen Klebstoff für die hermetische Fuge zwischen beiden Glasplatten bevorzugt DC 3362 oder IG25 oder Proglaze II oder SS562, auch ein struktureller Klebstoff. Bei der Lösung mit Verklebung auf dem äußeren Glasblatt und Stufenglas darf die äußere Glasplatte nicht völlig erhärtet sein. Für Glas mit erhöhtem Bruchwiderstand kommt in diesem Fall für die äußere Glasplatte nur halberhärtetes Glas (durci) in Betracht. Für Glasplatten mit einem Coating auf Seite 2 (die Seite auf der geklebt wird) ist es notwendig in bestimmten Fällen dieses Coating auf der Höhe der Leimfuge zu entfernen um eine genügende Haftung in der Zeit zu garantieren. Mehr Information hierüber können Sie beim Glaslieferanten und/oder bei Dow Corning bekommen.

Min. Glasdicke 36

Max. Glasdicke 60.

Die zugelassenen Glaszusammensetzungen sind ebenso in der technischen Genehmigung angegeben (ETA).

• Unterstützung für Eigengewicht

Dieses System darf nur eingesetzt werden unter der Bedingung, dass beide Glasplatten für Eigengewicht unterstützt sind, so dass die Leimfuge nicht einer kontinuierlichen Scherbelastung unter Einfluss des Eigengewichtes ausgesetzt ist. Konkret heißt das, dass mindestens die Hälfte der äußeren Glasplatte unterstützt sein muss. Im Fall von geschichteter Verglasung muss mindestens die Hälfte der meist äußeren Glasplatte halb unterstützt sein: z.B. für geschichtete Verglasung Typ 44.2 mit einer Gesamtdicke von ungefähr 8,8 mm muss mindestens 6,8 mm unterstützt sein. Die PVB Schichten sind doch nicht entwickelt um eine kontinuierliche Scherbelastung aufzufangen.

• Vereinbarkeit umliegende Materialien mit dem strukturellen Klebstoff

Alle umringenden Materialien der strukturellen Fuge müssen mit dem strukturellen Klebstoff vereinbar sein. Die Materialien des Systems wie in diesem Katalog beschrieben, sind selbstverständlich auf ihre Vereinbarkeit mit dem strukturellen Klebstoff DC 993 getestet, auch die benutzten EPDM-Dichtungen. Wenn aber andere Materialien im System eingesetzt werden, müssen die notwendigen Vereinbarkeitszeugnisse vorgelegt werden können.

• Glasauflagen

Zwischen die Aluminium-Glasauflage und das Glas muss ein Silikonklotz Type colypro (colimit) mit einer Härte von 70 bis 80 SHORE A montiert werden. Diese Klötze sind nicht in der Reynaers-Produktpalette anwesend aber bei den meisten Verklebungsfirmen sind sie aus Vorrat lieferbar. Wichtig ist, dass auch diese mit dem strukturellen Klebstoff vereinbar sind.

• Verklebungsfirmen

Die Verleimung darf nur ausgeführt werden von Verleimern die für die strukturelle Verleimung gemäß ETAG 002 genehmigt wurden. Die Verleimung zwischen der Glasplatte und dem Flügel soll perfekt rechtwinklich gemacht werden damit die Funktionalität beim Öffnen und Schließen des Flügels zu versichern. Die Maßtoleranzen des verleimten Unterstützungsprofils sind +/- 1 mm.

b) Bestellung Verklebungsprofile

Für jedes CW 65-EF/SG Objekt, für das das Verklebungsprofil angewandt wird, führt die technische Abteilung von Reynaers Aluminium Duffel eine Untersuchung durch. Auf dieser Grundlage kann eine Genehmigung erteilt werden, die für die Lieferung der Verklebungsprofile notwendig ist. Diese Untersuchung stützt sich auf ein vollständig ausgefülltes Antragsformular (Typ Form 158 oder digitale Anwendung). Diese Untersuchung kann in folgende 3 Teile aufgeteilt werden.

• Kontrolle Abmessungen strukturelle Fuge

Auf der Grundlage der Windbelastung (Höchstwindbelastung mit Rückkehrperiode von 10 Jahren), der Elementabmessungen und der Glaszusammensetzung wird geprüft, ob die klassische Höhe der strukturellen Fuge (= 18.5/13.5 mm für profil 134.1116.17SG / 107.0102.17SG) reicht um diese Windbelastung aufzufangen. Weiter muss auch kontrolliert werden, ob die Dicke der strukturellen Fuge (klassisch 6,4 mm) reicht um den Unterschied in Wärmeausdehnung zwischen Glas und Aluminium aufzufangen. Auch wird bei verklebungsfirma eine Bestätigung dieser Berechnungen gefragt.

• Kontrolle Elementabmessungen

Für aufgehende Teile wird geprüft, ob die vorgeschlagenen Elementabmessungen und das Elementgewicht realisiert werden können mit den Scheren in unserer Produktpalette. Wir beziehen uns hierfür auch auf die Diagramme für zulässige Abmessungen weiter im Katalog. Für feste Teile wird hauptsächlich eine Gewichtskontrolle ausgeführt (neben selbstverständlich der Kontrolle der Fugenabmessungen selbst - siehe ersten Punkt). Bei Einsetzung von 2 Glasauflagen mit einer Breite von 100 mm, was verpflichtet ist, muss das gesamte Elementgewicht in Abhängigkeit von ausstellscheren, glasauflageprofil, profil durch schnitt beschränkt bleiben. Schließlich wird noch geprüft, ob mit der vorgeschlagenen Glaszusammensetzung die äußere Glasplatte halb unterstützt ist. Diese Werte sind nur gültig wenn die innere Glasscheibe gleich dick oder dicker als die äußere Glasscheibe ist.

• Spezifische Anwendungen

Für spezifische Anwendungen (Eckdetaillierung, Fassade in Facetten, Fassade unter Neigung,...) wird bei einer Lösung die von der Kataloglösung abweicht, die technische Machbarkeit untersucht. Nach Genehmigung des Objektes wird für die betreffende Partie vom Verklebungsprofil die Verklebungsvorschrift von verklebungsfirma zur Kunde geschickt.

Anlage: FORM 158

STRUCTURELE VERLIJMINGSPROJECTEN
VOLGENS ETAG 002REYNAERS ALUMINIUM NV/SA
Oude Liersebaan 266 • B-2670 Duffel
t +32 16 30 86 00 • f +32 16 30 86 00
www.reynaers.com • info@reynaers.com

Gelieve dit document terug te sturen naar R&D van Reynaers Aluminium N.V. alsook uw bestelling naar onze Verkoopafdeling.

 Projectnaam: _____
 Werfadres: _____
 Land: _____
 Firma en contactpersoon: _____

Systeem	Profielen	Lengte	Aantal
☐ CW 50 – Top Hung	034.1116.17 SG	7m	
☐ CW 50 – Turn & Tilt	034.1116.17 SG	7m	
☐ CW 50-SG	034.1116.17 SG	7m	
☐ CW 50-SC	034.1116.17 SG	7m	
☐ CW 60	034.1116.17 SG	7m	
	028.2030.17 SG	7m	
☐ CW 86	028.2031.17 SG	7m	
	007.0161.17 SG	6m	
	007.0220.17 SG	7m	
☐ CW 65-EF/SG	007.0230.17 SG	7m	

 Oppervlakte project: _____ m²
 Max. paneelafmetingen: Breedte x Hoogte: _____ x _____ mm
 Glassamenstelling: Binnenblad _____ mm x Spouw _____ mm x Buitenblad _____ mm
 Pieklinddruk: _____ Pa (ontwerpbelasting, terugkeerperiode van 10 jaar, incl. locale drukparameters)

 Hoekdetails: ☐ Ja → ☐ Oplossing volgens catalogoog
☐ Specifieke oplossing → tekening bijgevoegd
☐ Nee

 Gebogen gevel: ☐ Ja → Hoek tussen 2 facetten = _____ °
☐ Nee

 Verticale gevel: ☐ Ja
☐ Nee → Hoek β ten opzichte van het verticale vlak = _____ °

Tekeningen: _____ doorsneden/aanzichten/grondplannen in bijlage

 Verlijmingsfirma: _____
 Adres: _____

Goedkeuringsnummer voor Structurele Verlijming volgens ETAG, gegeven door Genotificeerde Instantie: _____

 Silicone leverancier: _____ Type _____
 Verlijmingsfirma goedgekeurd door silicone leverancier: ☐ Ja ☐ Nee

TECHNISCHE GOEDKEURING

In te vullen door R&D van Reynaers Aluminium DUFFEL, na beoordeling van project

Aantal	Profielen	Batch	Print	Kleur profielen	Rapport

Datum: _____ Door: _____

Form: FORM 158

Data: 10/01/11
Printed on: maandag 23 november 2013

Version: 6.0

1/2

II.4.4. Wiederverglasung

Angesichts dessen, dass die Verglasung über das Verglasungsprofil unmittelbar mit der Basisstruktur verleimt wird, ist es nicht möglich, bei einem Glasbruch den Rahmen zu einer erneuten Verglasung in der Werkstatt zu entfernen. Bei dieser Art der Fassadengestaltung muss die Wiederverglasung vor Ort ausgeführt werden. Hierzu werden vom Silikonlieferanten sowie über die "European Technical Approval" (ETA) verschiedene Regeln vorausgesetzt. Zudem sind zusätzliche landesweite Richtlinien und Einschränkungen möglich die berücksichtigt werden müssen.

Praktische Vorgehensweise:

Schritt 1: Entfernen Sie die gebrochene Verglasung sowie die verwendeten Verglasungsprofile.

Schritt 2: Im Werkstattbereich wird lediglich an der oberen Seite der Glasplatte ein Verglasungsprofil montiert. Das Falzverkleinerungsprofil muss auf das Verglasungsprofil geklebt werden. Die verkleinerte Fuge muss entsprechend des Projektes berechnet werden.

Schritt 3: Die übrigen Verglasungsprofile müssen direkt auf den Rahmen montiert und mindestens einmal mechanisch gesichert werden.

Schritt 4: Das Falzverkleinerungsprofil muss mit einem Verglasungsprofil versehen und im Bereich der Klemmen örtlich unterbrochen werden (vgl. Detail x)

Schritt 5: Die Platzierung der Füllung auf dem Tragrahmen erfolgt vor Ort. Die Füllung wird mit dem montierten Verglasungsprofil an den Basisrahmen festgehakt. Die Abstützung des Eigengewichts erfolgt über die Glasauflageprofile.

Schritt 6: Die Füllung muss vorläufig mechanisch befestigt werden. Dies erfolgt mit einer für diese Zwecke vorgesehenen Apparatur, eventuell mit den zusätzlichen Glas-Klemme 097.0762.00 sowie kombiniert mit einer Aushaksicherung.

Schritt 7: Nun erfolgt die Verleimung der Füllung über die Innenseite des Gebäudes (im Einklang mit den hierfür vorgesehenen ETA-Vorschriften).

Schritt 8: Nach dem Aushärten der Verleimung müssen die vorläufig angebrachten Glas-Klemme 097.0762.00 entfernt und die Öffnungen abgedichtet werden.

a) Schwerpunkte zur strukturellen Verleimung

Zu den allgemeinen Informationen vgl. Punkt II.4.3 a)

Optimale Bedingungen zur Verglasung (in Kombination mit DC 895 von Dow Corning):

Temperaturverhältnisse: 5°C bis 40°C

Feuchtigkeitsverhältnisse: 40% bis 95%

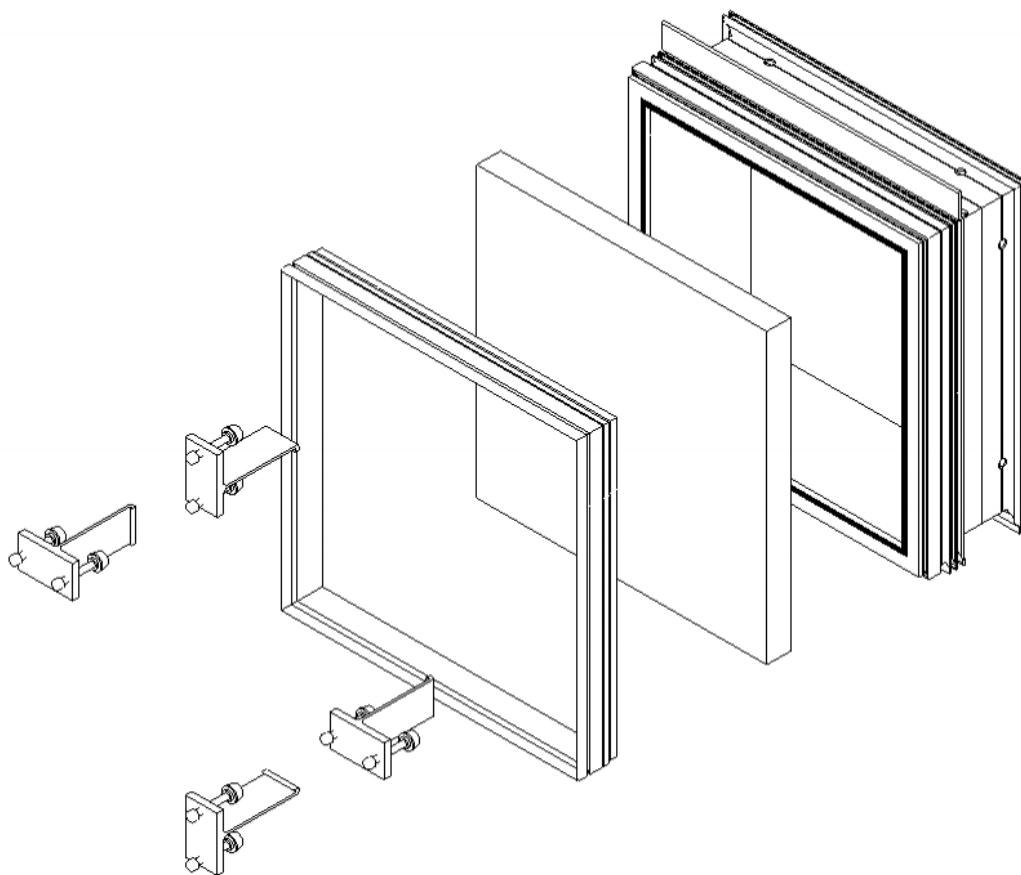
Empfohlener Temperaturbereich: zwischen 15°C und 30°C

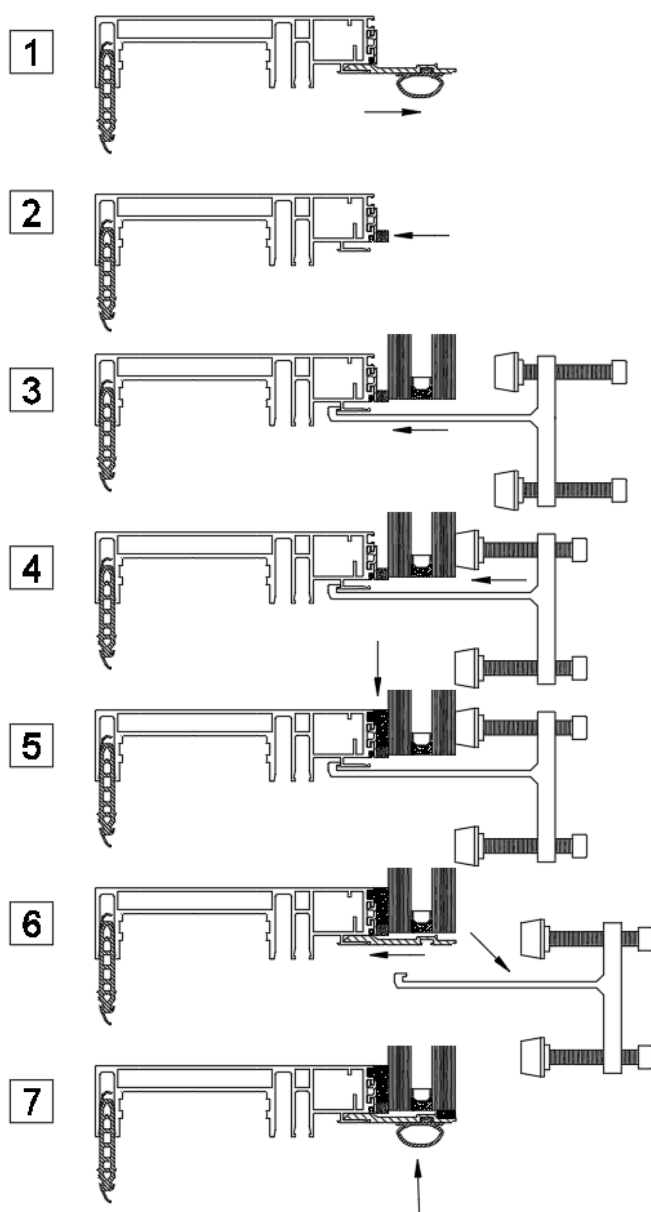
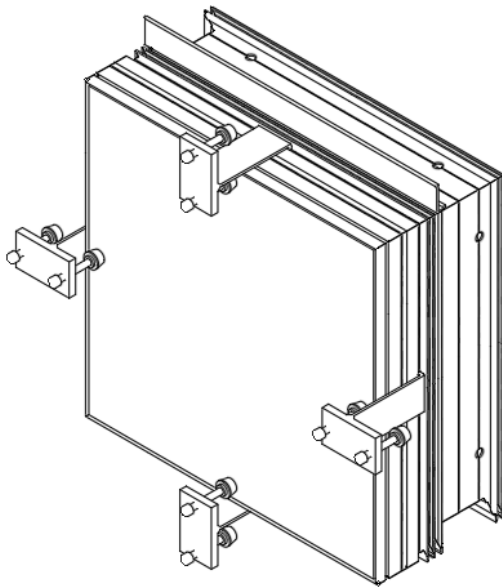
- Zu verwendender struktureller Kleber = DC 895 von Dow Corning (oder eine andere Silikonart, die in der ETA aufgenommen wurde)

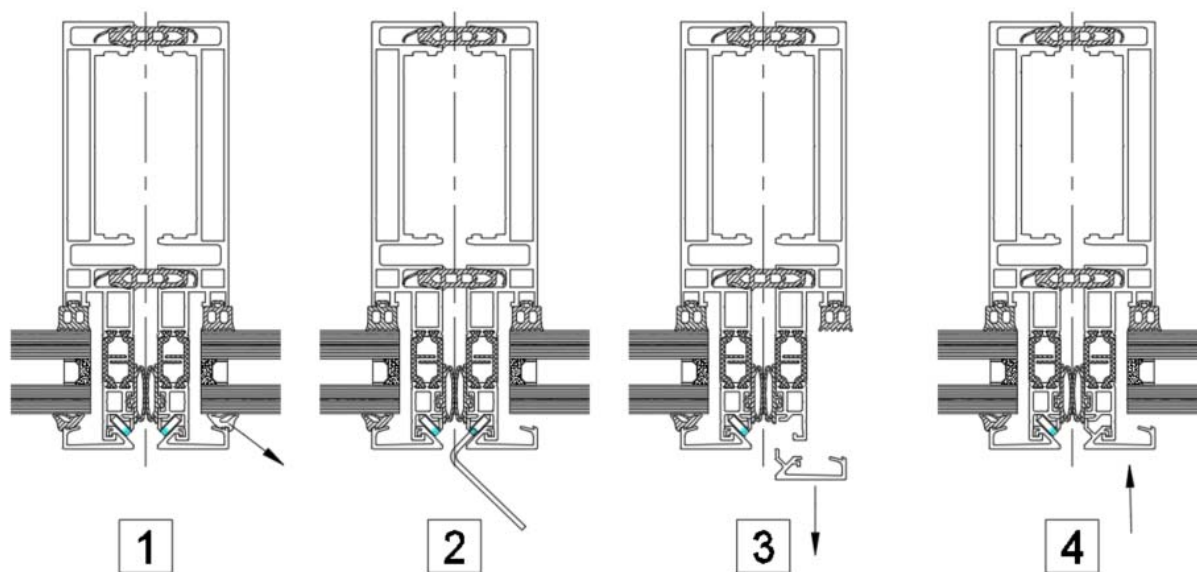
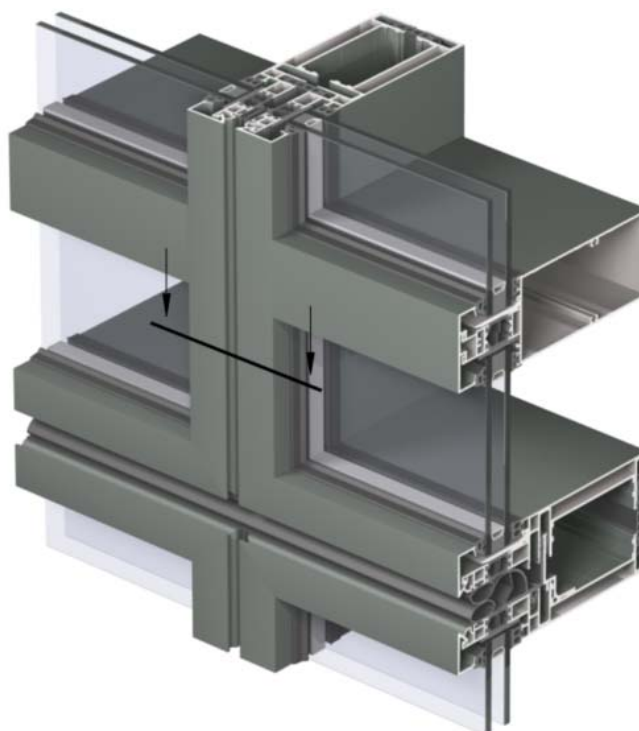
Bei DC 895 handelt es sich um eine Einkomponenten-Silikondichtung für strukturelle Verglasungen.

- Zu verwendendes Reinigungsmittel für das Verglasungsprofil 007.0220.17 / 007.0230.17

Da im Hinblick auf die Umgebungstemperaturen vor Ort keine Kontrolle möglich ist, muss die Fugenoberfläche gereinigt und mit Primer behandelt werden. Zudem ist es erforderlich, die Paneele in einem Zeitraum von maximal einer Stunde zu montieren und abzudichten.







1. Randdichtung entfernt
2. Innensechskantschraube entfernen mit dem Innensechskantschlüssel (2 Schrauben pro Ecke +/- 100 mm von der Kante)
3. Glasleiste entfernen.
4. Glasscheibe wechseln.
5. Glasleiste einbauen.
6. Randdichtung einbauen
7. Sechskantschraube einbauen.

III. TECHNICAL INFORMATION

III.1 MATERIAL

Application	Type	International indication	Standard composition	Standard mechanical properties	Standard size (tolerance)	References
Profile	AlMgSi 0.5	EN AW 6060/6063	EN 573 parts 3 and 4	EN 755 part 2	EN 10210-2	Eg. 134.6301.00, 134.0331.XX
Plate (paint quality)	Non-alloyed (Al 99,5)	EN AW 1050 H24	EN 573 part 3	EN 485 part 2	EN 485 part 4	Eg. 0P2.015M.XX
Plate (anodization quality)	AlMg1	EN AW 5005 H14 AQ	EN 573 part 3	EN 458 part 2	EN 485 part 4	Eg. 0P2.015M.XX
Aluminium accessories Fabricated out of extrusion profiles	AlMgSi 0.5	EN AW 6060/6063	EN 573 parts 3 and 4	EN 755 part 2	EN 10210-2 for profile ISO 2768 for accessory	Egg. 168.6510.00 173.7510.00 173.8400.00 Eg. 073.7104.--
Stainless steel accessories: Die casted articles	GX5CrNi 19-10	EN 10213-4 : 1996			ISO 2768	Eg. 073.7104.--
Stainless steel accessories: Welded articles	X5CrNi 18-10	EN 10088-1:2005			ISO 2768	Eg. 073.7101.--
Stainless steel fixations: Bolts and threaded rod	A2-70	EN ISO 3506-1			ISO... or DIN...	Eg. 050.5389.--
Stainless steel fixations: Nuts	A2-70	EN ISO 3506-2			ISO... or DIN...	Eg. 079.5398.--
Stainless steel fixations: Socket set screw (not under tensile stress articles)	A2-70	EN ISO 3506-3			ISO... or DIN...	Eg. 050.5215.--
Stainless steel fixations: Screws	A2-70	EN ISO 3506-4			ISO... or DIN...	Eg. 052.5200.-- 152.5201.--

III.2 STATICAL CALCULATIONS

III.2.1 MAXIMUM DIMENSIONS

1.1.1 Specifications

Vertical profiles (suspension profiles) should be calculated with L/200 max deflection 15mm for wind.)

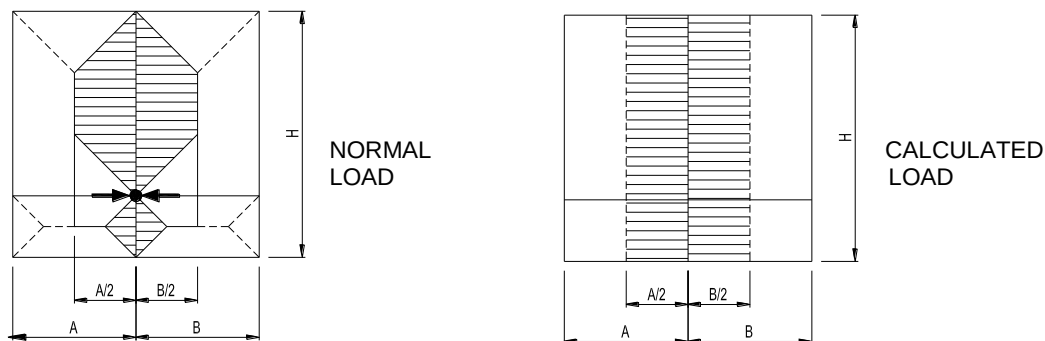


Figure 1 shows the formulas used for the calculations where 2 support points have been used.

FIGURE 1

$q = \text{LOAD} = \text{N/m} = p \cdot b$

$p = \text{PRESSURE} = \text{N/m}^2 = \text{Pa}$

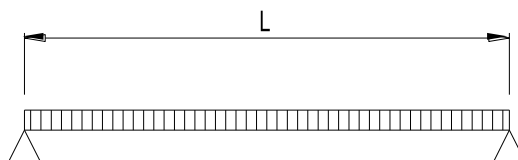
$b = \text{WIDTH} = m = (A + B)/2$

$L = \text{LENGTH} = m$

$E = \text{YOUNG'S MODULUS} = \text{N/mm}^2 = 70000 \text{ N/mm}^2$

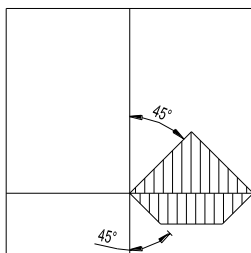
$I_x = \text{MOMENT OF INERTIA} = \text{cm}^4$

$f = \text{DEFLECTION} = \text{mm}$



$$f = \frac{5 \times q \times L^4}{384 \times E \times I_x} \times 10^5$$

H Horizontal profiles (transom profiles) should be calculated with L/300 max deflection 8mm for wind. (depending on national guidellines).



$$I_x = \frac{q \times B^4}{120 \times E \times f} \times 10^5$$

FIGURE 3

Triangular distribution :

$q = \text{LOAD} = \text{N/m} = p \cdot B/2$

$p = \text{PRESSURE} = \text{N/m}^2 = \text{Pa}$

$B = \text{WIDTH} = m$

$E = \text{YOUNG'S MODULUS} = 70000 \text{ N/mm}^2$

$f = \text{DEFLECTION} = \text{mm}$

$I_x = \text{MOMENT OF INERTIA} = \text{cm}^4$

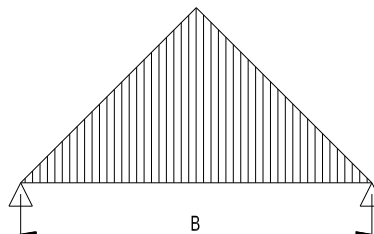


FIGURE 4

Trapezoid distribution :

q = LOAD = N/m = p . a

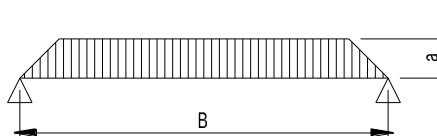
B = LENGTH = m

E = YOUNG'S MODULUS = N/mm² = 70000 N/mm²

f = DEFLECTION = mm

I_x = MOMENT OF INERTIA = cm⁴

a = PANEL HEIGHT / 2 = m

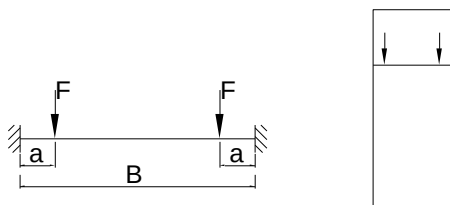


$$I_x = \frac{q \times B^4}{1920 \times E \times f} \times \left(25 - 40 \times \frac{a^2}{B^2} + 16 \times \frac{a^4}{B^4} \right) \times 10^5$$

Transom profiles should be calculated with L/500 max deflection for weight

FIGURE 5

F = FORCE = N = 10 x G/2



B = LENGTH = m

E = YOUNG'S MODULUS = N/mm² = 70000 N/mm²

I_y = MOMENT OF INERTIA = cm⁴

f = DEFLECTION = mm

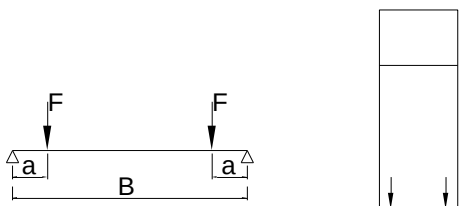
a = DISTANCE TO GLASS SUPPORT = m

G = GLASS WEIGHT = kg

$$I_y = \frac{F \times a^2}{24 \times E \times f} \times (3 \times B - 4 \times a) \times 10^5$$

Horizontal profiles (outer frame) should be calculated with L/500 max deflection for weight.

FIGURE 6



F = FORCE = N = 10 x G/2

B = LENGTH = m

E = YOUNG'S MODULUS = N/mm² = 70000 N/mm²

I_y = MOMENT OF INERTIA = cm⁴

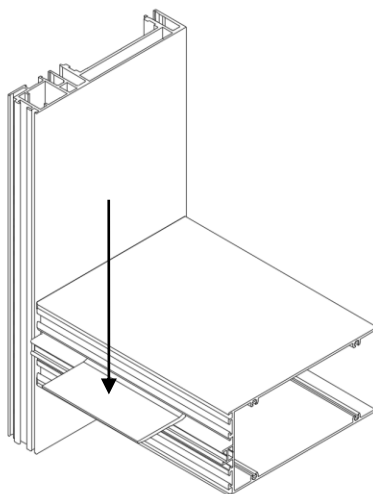
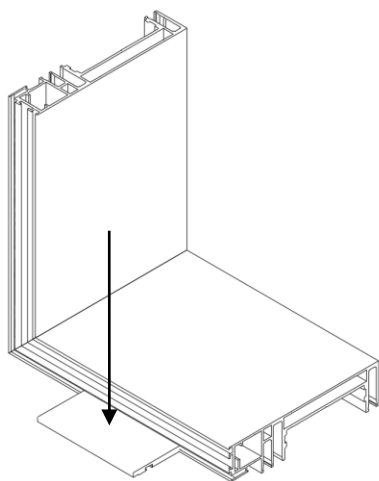
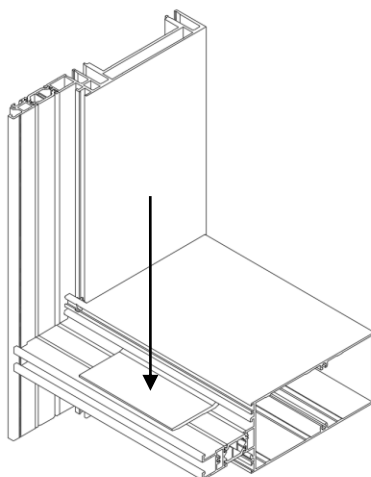
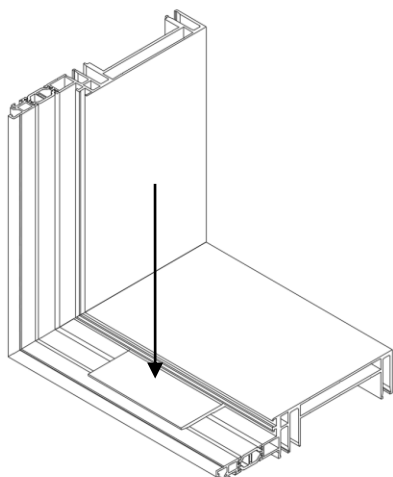
f = DEFLECTION = mm

a = DISTANCE TO GLASS SUPPORT = m

G = GLASS WEIGHT = kg

$$I_y = \frac{F \times a}{24 \times E \times f} \times (3 \times B^2 - 4 \times a^2) \times 10^5$$

III.2.2 MAXIMUM WEIGHT / GLASS SUPPORT & FRAME CONNECTION



EF7

ARTICLES	F Max (N) per glass support
173.8400.00 (100mm)	1400
173.8401.XX (100mm)	1300
173.8402.00 (100mm)	850
173.8403.XX (100mm)	700
173.8404.00 (100mm)	550
PROJECT SOLUTIONS	F Max (N/mm)
134.0330.00	14
134.0331.XX	13
134.0332.00	8.5
134.0333.XX	7
134.0334.00	5.5

F max for double-glazing with max glass thickness: 12/20/8

F max for triple glazing with max glass thickness: 12/14/6/14/12

EF7 SG

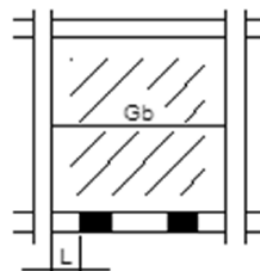
ARTICLES	F Max (N) per glass support
107.8505.C35 (200mm)	1500*
107.8506.C35 (200mm)	1500*
PROJECT SOLUTIONS	F Max (N/mm)
134.0350.C35	7.5**
134.0351.C35	7.5**

F max for double-glazing with max glass thickness: 12/20/8

F max for triple glazing with max glass thickness: 12/16/6/16/12

* Crimped and glued mitre corner frame is limited to 175kg per glass panel.

** 1x5,5mm screw/50mm of glass support.



$$Gb/10 < L < Gb/4$$

$$L_{min} = 100mm$$

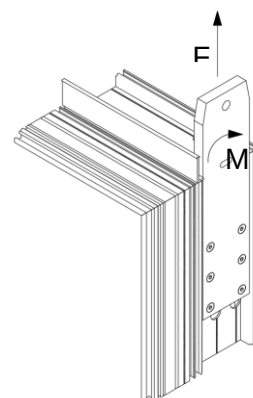
III.2.3 MAXIMUM WEIGHT / DIMENSIONS / FRAME

SPIGOT:

FOR 156.6360.00/156.6361.00

F_L max = 3 kN

M max = 2500 kNmm



ANCHORS:

FOR SIDE ANCHOR

Combinations C1, C2*

F_L max = 3000 N

F_w max = 12 700 N

Combination C3*

F_L max = 3000 N

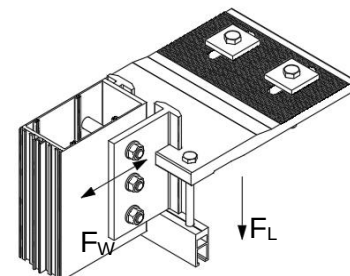
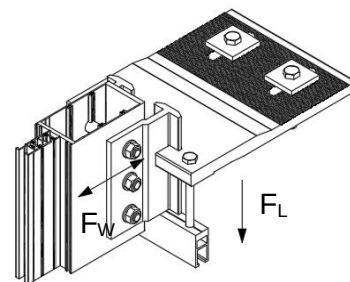
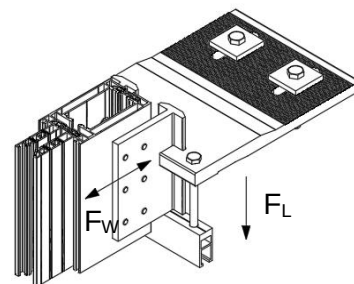
F_w max = 7700 N

FOR MIDDLE ANCHOR:

Combination C3*

F_L max = 3000 N

F_w max = 15 300 N



FOR VERTICAL LINE SHIFTING – MITRE CUT:

Combinations C1, C2, C3*

F_w max = 6500 N

F_L max = 1600 N

F_{Li} max = 5900 N

FOR VERTICAL LINE SHIFTING – STRAIGHT CUT:

Combinations C1, C2*

F_w max = 3700 N

F_L max = 1200 N

F_{Li} max = 2700 N

Max width = 1500 mm

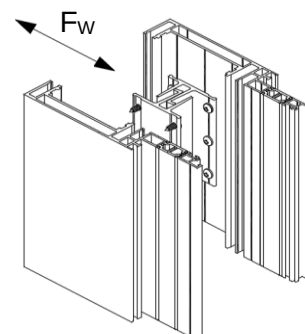
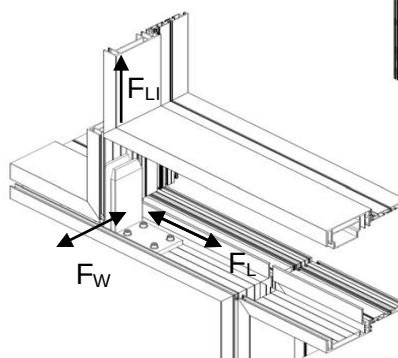
Combination C3*

F_w max = 3700 N

F_L max = 1200 N

F_{Li} max = 2700 N

Max width = 1100 mm



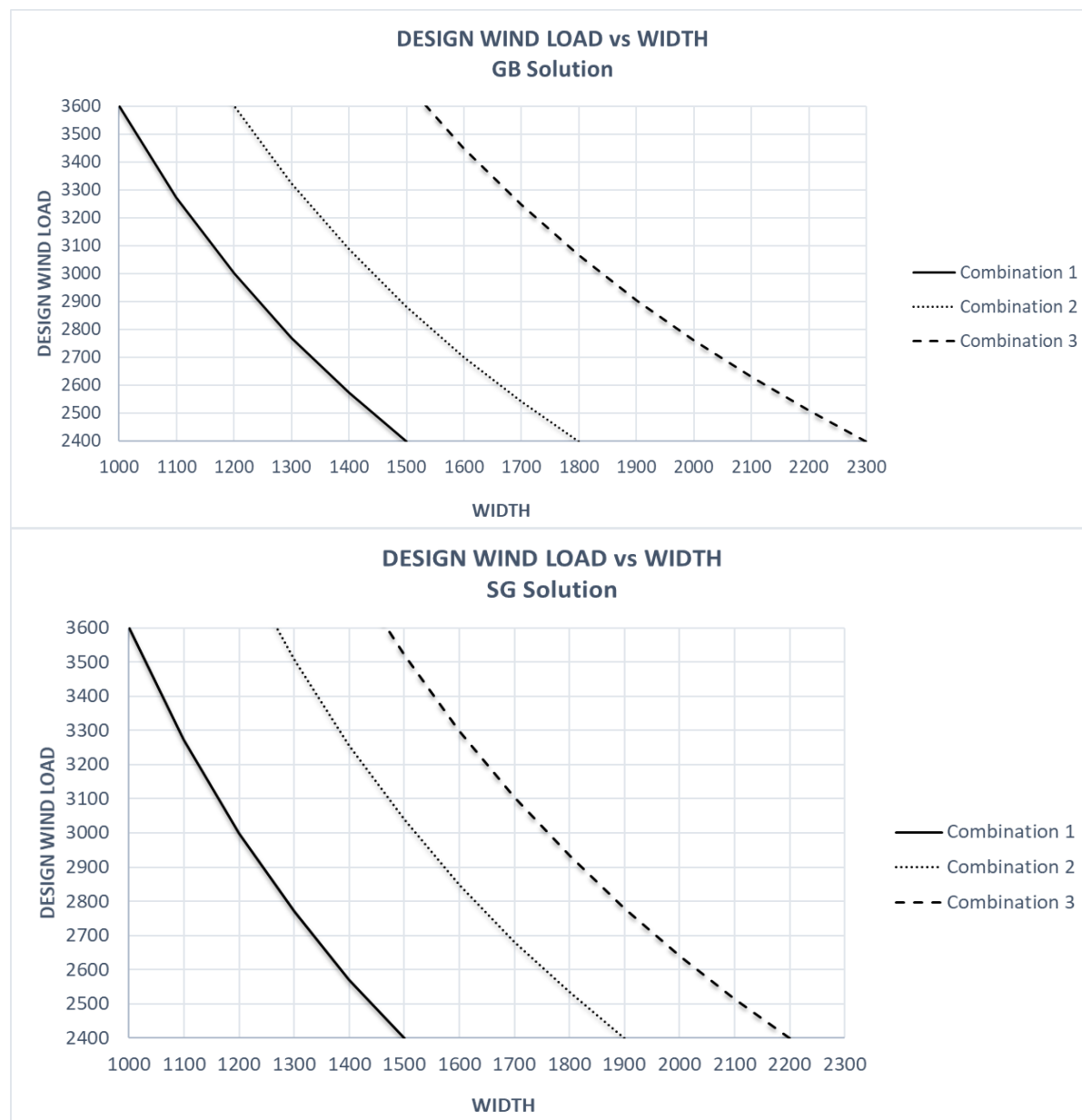
*Representation of combinations C1, C2, C3 to be found below in maximum frame sizes.

STABILIZING PIECES:

FOR 056.6368.00

F_w max = 700 N

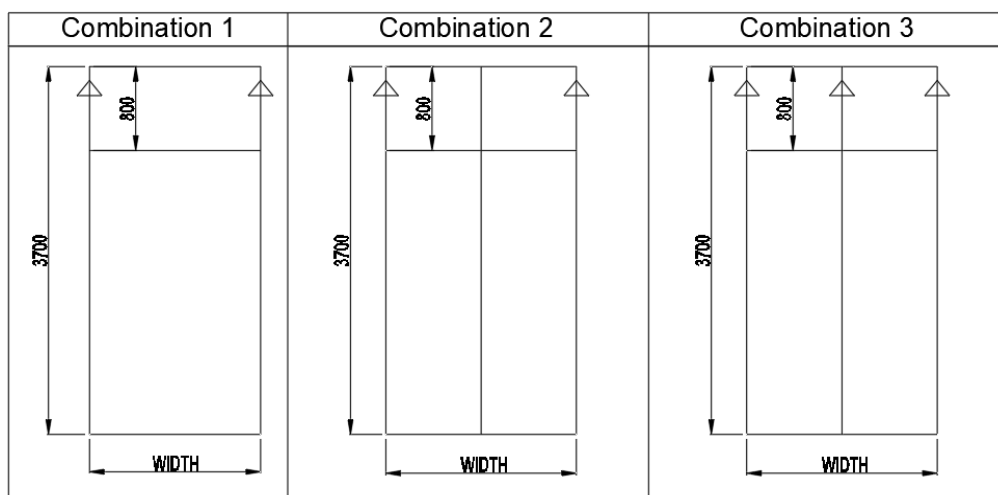
MAXIMUM FRAME SIZE



The estimation is based on interpolation of test data.

The above graph considers a maximum frame height of 3700mm.

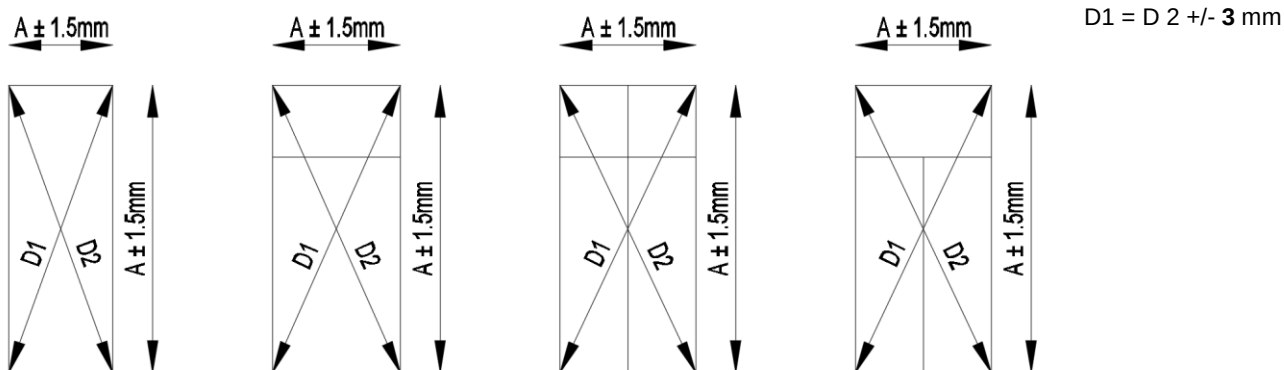
For the different frame configurations please see picture below.



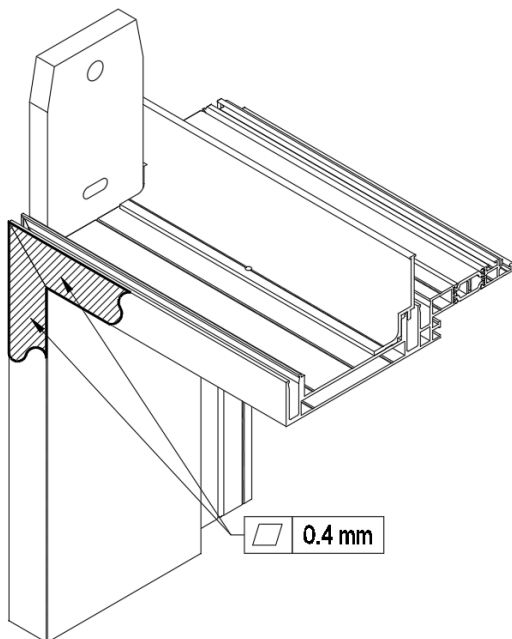
III.4 TOLERANCES

General tolerances of unitized façade module should be kept as follows:

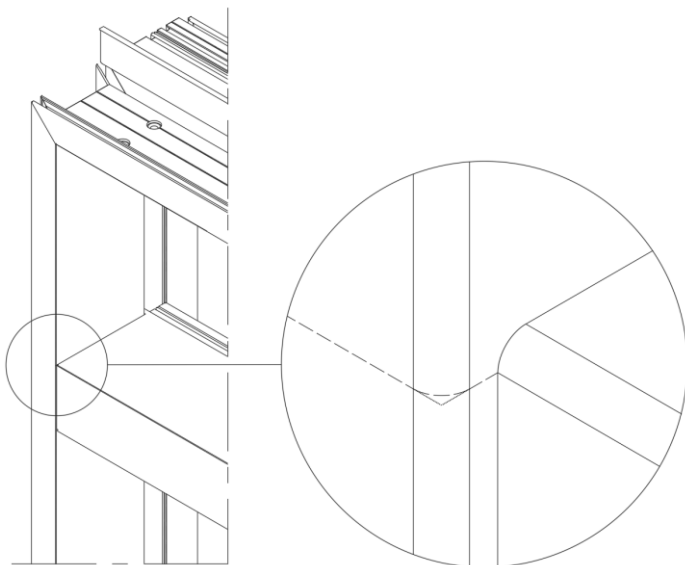
1. The size of an assembled frame shall be within $\pm 1,5$ mm of nominal size in any dimension. Difference between diagonals of a module frame should not exceed 3 mm.



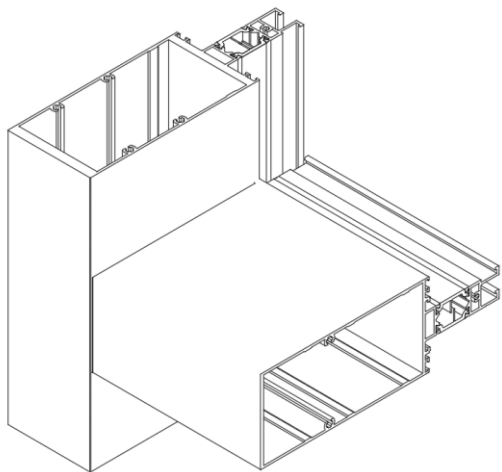
2. The flatness of the corner from the back of the frame should be 0,4 mm.



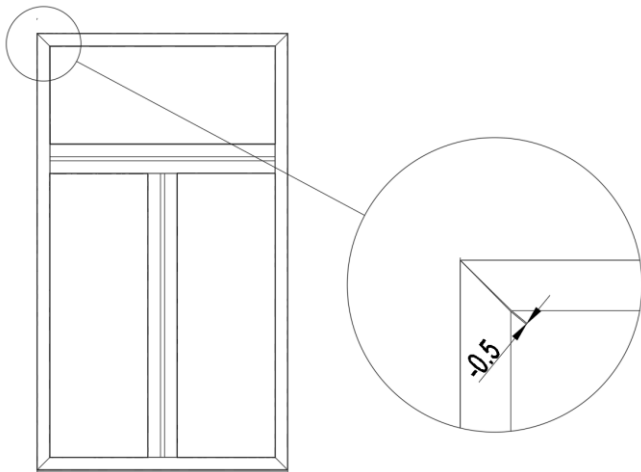
3. The back wall of the transom should not exceed the surface of a module frame.



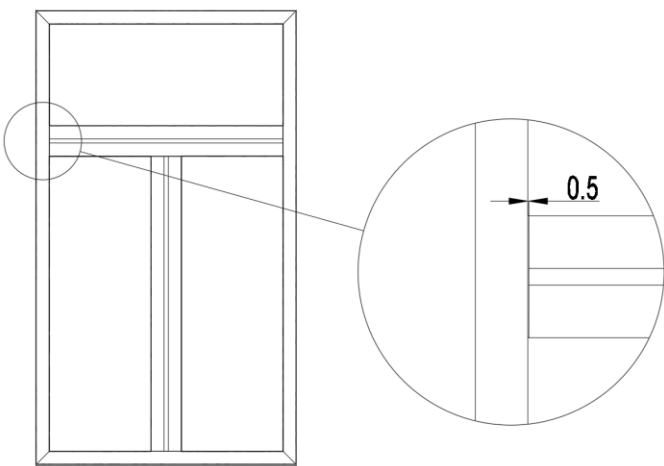
4. The back wall of the horizontal transom should not exceed the back wall of the vertical transom..



5. The gap between glazing beads of the frame (in the corner) should not exceed **0.5 mm**.



6. The gap between transom glazing bead and frame/transom glazing bead should not exceed **0.5 mm**.



III.5 Uf VALUES

Please contact your local Reynaers office to receive the latest version of EF7/EF7 SG and EF7 HI/EF7 SG HI UF values.



C



Reynaers
Aluminium

Profielen

Profilés

Profiles

Profile

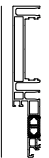
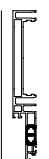
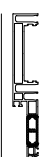
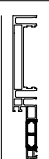
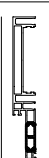
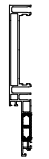
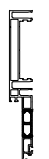
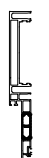
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034.0514.XX	67C.011	D3006155	107.0400.XX	67C.028	D3004985
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034.0611.04	67C.011	D3006155	107.0402.XX	67C.005	D3005074
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034.0618.XX	67C.073	D3005045	107.0422.XX	67C.006	D3005075
034.0619.XX	67C.011	D3006155	107.0422.XX	67C.013	D3007331
034.0619.XX	67C.073	D3005045	107.0422.XX	67C.034	D3004986
034.1651.00	67C.010	D3005079	107.0501.XX	67C.007	D3005076
034.1651.00	67C.075	D3005067	107.0501.XX	67C.013	D3007331
107.0102.XXSG	67C.011	D3006155	107.0501.XX	67C.038	D3004988
107.0102.XXSG	67C.072	D3005062	107.0510.XX	67C.007	D3005076
107.0110.00	67C.010	D3005079	107.0510.XX	67C.013	D3007331
107.0110.00	67C.074	D3004984	107.0510.XX	67C.040	D3005040
107.0210.XX	67C.001	D3005069	107.0520.XX	67C.007	D3005076
107.0210.XX	67C.013	D3007331	107.0520.XX	67C.013	D3007331
107.0210.XX	67C.016	D3004976	107.0520.XX	67C.044	D3005046
107.0211.XX	67C.001	D3005069	107.0521.XX	67C.008	D3005077
107.0211.XX	67C.013	D3007331	107.0521.XX	67C.013	D3007331
107.0211.XX	67C.016	D3004976	107.0521.XX	67C.042	D3004989
107.0212.XX	67C.001	D3005069	107.0580.XX	67C.008	D3005077
107.0212.XX	67C.013	D3007331	107.0580.XX	67C.013	D3007331
107.0212.XX	67C.016	D3004976	107.0580.XX	67C.068	D3005050
107.0220.XX	67C.002	D3005071	107.0585.XX	67C.008	D3005077
107.0220.XX	67C.013	D3007331	107.0585.XX	67C.056	D3005054
107.0220.XX	67C.022	D3004980	134.0302.04	67C.009	D3005078
107.0221.XX	67C.002	D3005071	134.0302.04	67C.076	D3005066
107.0221.XX	67C.013	D3007331	134.0304.04	67C.009	D3005078
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107.0222.XX	67C.013	D3007331	134.0330.00	67C.071	D3005059
107.0222.XX	67C.022	D3004980	134.0331.XX	67C.009	D3005078
107.0225.XX	67C.010	D3005079	134.0331.XX	67C.071	D3005059
107.0225.XX	67C.070	D3004987	134.0332.00	67C.009	D3005078
107.0227.XX	67C.010	D3005079	134.0332.00	67C.071	D3005059
107.0227.XX	67C.070	D3004987	134.0333.XX	67C.009	D3005078
107.0236.XX	67C.010	D3005079	134.0333.XX	67C.071	D3005059
107.0236.XX	67C.070	D3004987	134.0334.00	67C.009	D3005078
107.0238.XX	67C.010	D3005079	134.0334.00	67C.071	D3005059
107.0238.XX	67C.070	D3004987	134.0350.C35	67C.009	D3005078
107.0280.XX	67C.003	D3005072	134.0350.C35	67C.071	D3005059
107.0280.XX	67C.013	D3007331	134.0351.C35	67C.009	D3005078
107.0280.XX	67C.059	D3005018	134.0351.C35	67C.071	D3005059
107.0281.XX	67C.003	D3005072	134.0600.04	67C.011	D3006155
107.0281.XX	67C.013	D3007331	134.0600.04	67C.072	D3005062
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107.0285.XX	67C.013	D3007331	134.1116.17SG	67C.072	D3005062
107.0285.XX	67C.047	D3005023	134.1117.00	67C.011	D3006155
107.0286.XX	67C.004	D3005073	134.1117.00	67C.072	D3005062
107.0286.XX	67C.013	D3007331	134.1651.00	67C.010	D3005079
107.0286.XX	67C.050	D3005026	134.1651.00	67C.075	D3005067
107.0287.XX	67C.004	D3005073	134.6300.00	67C.010	D3005079
107.0287.XX	67C.013	D3007331	134.6300.00	67C.077	D3005065
107.0287.XX	67C.053	D3006290	134.6301.00	67C.010	D3005079
107.0300.00	67C.010	D3005079	134.6301.00	67C.077	D3005065
107.0300.00	67C.074	D3004984	134.6302.00	67C.010	D3005079

Art. N°			Art. N°		
134.6302.00	67C.077	D3005065	C07.2282.XX	67C.064	D3006285
134.6303.00	67C.010	D3005079	C07.2285.XX	67C.004	D3005073
134.6303.00	67C.077	D3005065	C07.2285.XX	67C.046	D3005022
C07.1210.XX	67C.001	D3005069	C07.2286.XX	67C.004	D3005073
C07.1210.XX	67C.014	D3005005	C07.2286.XX	67C.049	D3005025
C07.1211.XX	67C.001	D3005069	C07.2287.XX	67C.004	D3005073
C07.1211.XX	67C.014	D3005005	C07.2287.XX	67C.052	D3006301
C07.1212.XX	67C.001	D3005069	C07.2300.00	67C.010	D3005079
C07.1212.XX	67C.014	D3005005	C07.2300.00	67C.074	D3004984
C07.1220.XX	67C.002	D3005071	C07.2400.XX	67C.005	D3005074
C07.1220.XX	67C.020	D3005012	C07.2400.XX	67C.027	D3005031
C07.1221.XX	67C.002	D3005071	C07.2401.XX	67C.005	D3005074
C07.1221.XX	67C.020	D3005012	C07.2401.XX	67C.027	D3005031
C07.1222.XX	67C.002	D3005071	C07.2402.XX	67C.005	D3005074
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Art. N°			Art. N°		
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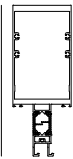
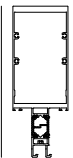
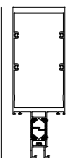
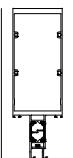
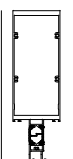
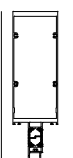
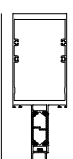
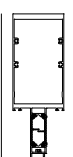
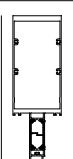
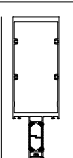
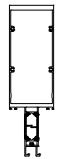
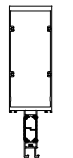
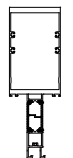
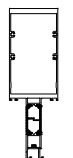
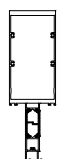
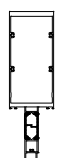
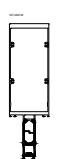
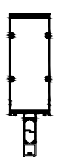
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107.0210.XX		72.31	16.1	7.00	287.256	10.950	
C07.3210.XX		68.08	17.1	7.00	334.761	11.285	
C07.4210.XX		70.08	18.1	7.00	387.204	11.607	
C07.5210.XX		72.08	19.1	7.00	444.770	11.919	
C07.1211.XX		62.08	14.1	7.00	221.294	10.239	
C07.2211.XX		64.08	15.1	7.00	258.636	10.601	
107.0211.XX		72.31	16.1	7.00	300.285	10.950	
C07.3211.XX		68.08	17.1	7.00	346.414	11.285	
C07.4211.XX		70.08	18.1	7.00	397.201	11.608	
C07.5211.XX		72.08	19.1	7.00	452.923	11.919	
C07.1212.XX		64.08	14.1	7.00	263.714	10.838	
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107.0212.XX		74.31	16.1	7.00	349.812	11.597	
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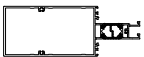
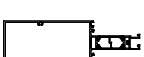
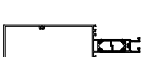
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C07.2220.XX		71.46	15.9	7.00	268.069	14.843
107.0220.XX		79.81	16.9	7.00	315.752	15.308
C07.3220.XX		81.81	17.9	7.00	368.428	15.748
C07.4220.XX		77.58	18.9	7.00	426.531	16.172
C07.5220.XX		85.81	19.9	7.00	490.251	16.579
C07.1221.XX		69.58	14.9	7.00	240.137	14.364
C07.2221.XX		71.58	15.9	7.00	281.390	14.846
107.0221.XX		79.81	16.9	7.00	327.406	15.308
C07.3221.XX		75.58	17.9	7.00	378.363	15.748

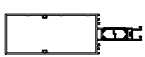
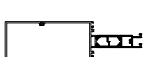
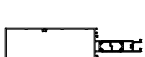
					$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
C07.4221.XX		77.58	18.9	7.00	434.440	16.171
C07.5221.XX		79.58	19.9	7.00	495.813	16.578
C07.1222.XX		71.60	14.9	7.00	283.722	14.824
C07.2222.XX		73.58	15.9	7.00	328.376	15.329
107.0222.XX		81.81	16.9	7.00	377.953	15.811
C07.3222.XX		77.58	17.9	7.00	432.633	16.274
C07.4222.XX		79.58	18.9	7.00	492.594	16.717
C07.5222.XX		81.58	19.9	7.00	558.014	17.144

DRAAGPROFIEL
MENEAU
SUSPENSION PROFILE
PFOSTENPROFIL

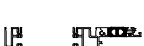
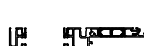
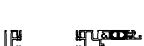
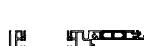
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C07.1280.XX		51.29	29.2	7.00	378.174	71.690	
C07.2280.XX		53.29	31.2	7.00	444.284	75.097	
107.0280.XX		63.10	33.2	7.00	516.943	78.503	
C07.3280.XX		57.29	35.2	7.00	596.298	81.910	
C07.4280.XX		59.29	37.2	7.00	682.496	85.317	
C07.5280.XX		61.29	39.2	7.00	775.683	88.724	
C07.1281.XX		51.29	29.2	7.00	394.634	71.690	
C07.2281.XX		53.29	31.2	7.00	458.821	75.097	
107.0281.XX		63.10	33.2	7.00	529.178	78.503	
C07.3281.XX		57.29	35.2	7.00	605.844	81.910	
C07.4281.XX		59.29	37.2	7.00	688.955	85.317	
C07.5281.XX		61.29	39.2	7.00	778.649	88.724	
C07.1282.XX		61.10	29.2	7.00	442.375	71.989	
C07.2282.XX		55.29	31.2	7.00	510.128	75.396	
107.0282.XX		65.10	33.2	7.00	584.189	78.803	
C07.3282.XX		59.29	35.2	7.00	664.695	82.209	
C07.4282.XX		61.29	37.2	7.00	751.785	85.616	
C07.5282.XX		63.29	39.2	7.00	845.595	89.023	

T-PROFIEL
 TRAVERSE
 TRANSOM-MULLION
 SPROSSE

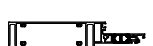
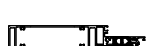
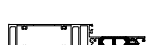
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C07.1285.XX			53.18	29.1	7.00	252.953	59.227
C07.2285.XX			55.18	31.1	7.00	296.278	63.201
107.0285.XX			64.99	33.1	7.00	344.109	67.171
C07.3285.XX			59.18	35.1	7.00	396.624	71.142
C07.4285.XX			61.18	37.1	7.00	453.998	75.112
C07.5285.XX			63.18	39.1	7.00	516.401	79.082
C07.1286.XX			53.18	29.1	7.00	272.549	59.227
C07.2286.XX			55.18	31.1	7.00	315.265	63.201
107.0286.XX			64.99	33.1	7.00	362.234	67.171
C07.3286.XX			59.18	35.1	7.00	413.623	71.142

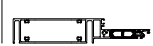
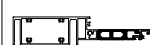
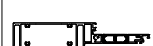
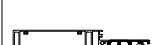
			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
C07.4286.XX			61.18	37.1	7.00	469.594	75.112
C07.5286.XX			63.18	39.1	7.00	530.308	79.082
C07.1287.XX			55.18	29.1	7.00	312.452	59.526
C07.2287.XX			57.18	31.1	7.00	358.432	63.500
107.0287.XX			66.99	33.1	7.00	408.806	67.470
C07.3287.XX			61.18	35.1	7.00	463.743	71.441
C07.4287.XX			63.18	37.1	7.00	523.404	75.411
C07.5287.XX			65.18	39.1	7.00	587.951	79.381

KADERPROFIEL
PROFILE DORMANT
FRAME PROFILE
BLENDRAHMENPROFIL

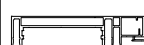
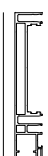
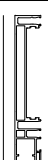
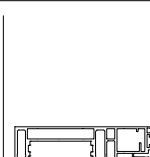
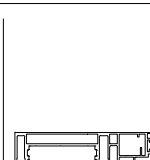
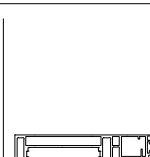
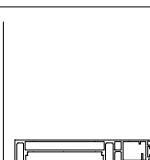
					$I_x \text{ cm}^4$	$I_y \text{ cm}^4$						$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
C07.1400.XX		73.53	14.1	7.00	211.135	12.765			81.53	18.1	7.00	399.764	14.670
C07.2400.XX		75.53	15.1	7.00	248.917	13.270			83.53	19.1	7.00	453.857	15.103
107.0400.XX		83.77	16.1	7.00	291.106	13.754			85.34	14.1	7.00	266.950	13.233
C07.3400.XX		79.53	17.1	7.00	337.812	14.221			77.53	15.1	7.00	306.407	13.759
C07.4400.XX		81.53	18.1	7.00	389.147	14.669			85.77	16.1	7.00	350.149	14.266
C07.5400.XX		83.53	19.1	7.00	445.218	15.102			81.53	17.1	7.00	398.280	14.753
C07.1401.XX		73.53	14.1	7.00	227.100	12.766			83.53	18.1	7.00	450.904	15.223
C07.2401.XX		75.53	15.1	7.00	263.916	13.270			85.53	19.1	7.00	508.124	15.677
107.0401.XX		83.77	16.1	7.00	304.896	13.754							
C07.3401.XX		79.53	17.1	7.00	350.145	14.221							

KADERPROFIEL
PROFILE DORMANT
FRAME PROFILE
BLENDRAHMENPROFIL

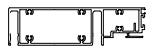
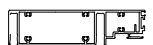
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C07.1420.XX		58.04	14.9	7.00	221.621	21.072
C07.2420.XX		60.04	15.9	7.00	262.598	22.518
107.0420.XX		68.27	16.9	7.00	308.514	23.964
C07.3420.XX		64.04	17.9	7.00	359.551	25.411
C07.4420.XX		66.04	18.9	7.00	415.888	26.857
C07.5420.XX		68.04	19.9	7.00	477.704	28.303
C07.1421.XX		58.04	14.9	7.00	237.778	21.071
C07.2421.XX		60.04	15.9	7.00	277.786	22.518
107.0421.XX		68.27	16.9	7.00	322.459	23.964
C07.3421.XX		64.04	17.9	7.00	371.967	25.410

					$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
C07.4421.XX		66.04	18.9	7.00	426.476	26.856
C07.5421.XX		68.04	19.9	7.00	486.154	28.302
C07.1422.XX		60.04	14.9	7.00	279.406	21.355
C07.2422.XX		62.04	15.9	7.00	322.539	22.801
107.0422.XX		70.27	16.9	7.00	370.483	24.246
C07.3422.XX		66.04	17.9	7.00	423.408	25.692
C07.4422.XX		68.04	18.9	7.00	481.482	27.138
C07.5422.XX		70.04	19.9	7.00	544.871	28.583

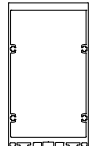
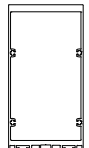
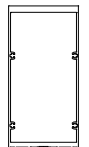
KADERPROFIEL PROFILE DORMANT FRAME PROFILE BLENDRAHMENPROFIL

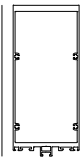
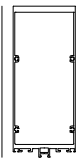
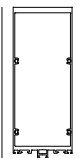
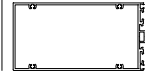
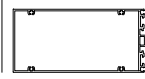
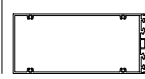
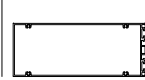
					$I_x \text{ cm}^4$	$I_y \text{ cm}^4$							$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	
C07.1510.XX		59.69	16.9	7.00	192.780	9.937				75.74	21.7	7.00	436.173	16.343	
C07.2510.XX		61.69	17.9	7.00	233.989	10.207				77.74	22.7	7.00	506.726	16.670	
107.0510.XX		63.69	18.9	7.00	280.421	10.468				71.08	16.8	7.00	188.474	13.271	
C07.3510.XX		65.69	19.9	7.00	332.298	10.721				73.08	17.8	7.00	228.063	13.665	
C07.4510.XX		67.69	20.9	7.00	389.843	10.969				75.08	18.8	7.00	272.526	14.042	
C07.5510.XX		69.69	21.9	7.00	453.277	11.210				77.08	19.8	7.00	321.988	14.404	
C07.1501.XX		67.74	17.7	7.00	216.079	14.914				79.08	20.8	7.00	376.571	14.752	
C07.2501.XX		69.74	18.7	7.00	262.234	15.293				81.08	21.8	7.00	436.400	15.085	
107.0501.XX		71.74	19.7	7.00	314.151	15.656									
C07.3501.XX		73.74	20.7	7.00	372.056	16.006									

KADERPROFIEL
PROFILE DORMANT
FRAME PROFILE
BLENDRAHMENPROFIL

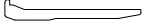
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C07.1521.XX		56.66	17.6	7.00	200.061	22.490
C07.2521.XX		58.66	18.6	7.00	242.837	23.955
107.0521.XX		60.66	19.6	7.00	291.084	25.418
C07.3521.XX		62.66	20.6	7.00	345.011	26.881
C07.4521.XX		64.66	21.6	7.00	404.827	28.342
C07.5521.XX		66.66	22.7	7.00	470.741	29.802

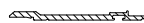
T-PROFIEL
TRAVERSE
TRANSOM-MULLION
SPROSSE

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
C07.1580.XX		51.58	34.6	7.00	472.567	118.294
C07.2580.XX		53.58	36.6	7.00	556.337	123.624
107.0580.XX		55.58	38.6	7.00	647.930	128.954

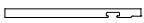
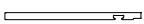
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
C07.3580.XX		57.58	40.6	7.00	747.545	134.285
C07.4580.XX		59.58	42.6	7.00	855.384	139.615
C07.5580.XX		61.58	44.6	7.00	971.646	144.945
C07.1585.XX		52.34	34.5	7.00	254.472	94.238
C07.2585.XX		57.41	36.5	7.00	302.647	99.568
107.0585.XX		56.34	38.5	7.00	355.962	104.898
C07.3585.XX		58.34	40.5	7.00	414.616	110.229
C07.4585.XX		60.34	42.5	7.00	478.812	115.559
C07.5585.XX		62.34	44.5	7.00	548.750	120.889

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL

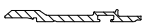
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
134.0330.00		9.89	-	7.00	2.464	0.018
134.0331.XX		10.89	7.8	7.00	3.383	0.019
134.0332.00		14.09	-	7.00	7.755	0.023
134.0333.XX		14.89	11.8	7.00	9.240	0.024
134.0334.00		16.09	-	7.00	11.881	0.026

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
134.0304.04		0.01	-	7.00	13.506	0.039

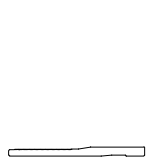
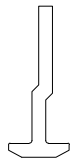
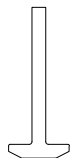
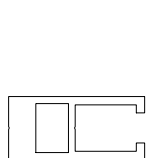
BASISPROFIEL GLASSTEUN
PROFILE DE BASE SUPPORT CALE DE VITRAGE
BASIC PROFILE GLASS SUPPORT
BASISPROFIL GLASAUFLAGEPROFIL

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
134.0350.C35		17.68	-	7.00	18.796	0.077
134.0351.C35		21.68	-	7.00	37.179	0.098

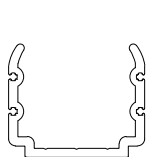
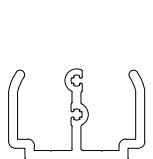
AFDICHTINGSPROFIEL
PROFILE D'ETANCHEITE
SEALING PROFILE
ABDICHTUNGSPROFIL

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
134.0302.04		0.01	-	7.00	5.735	0.032

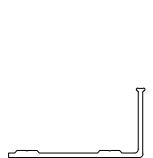
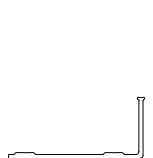
**ANKER
 ANCRAGE
 ANCHOR
 ANKER**

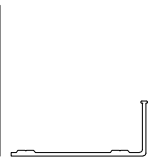
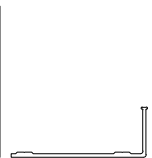
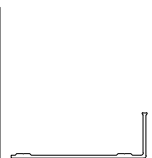
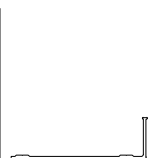
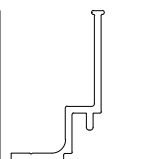
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
134.6300.00		71.23	-	3.00	13.528	3746.970
134.6301.00		30.14	-	7.00	166.556	7.129
134.6302.00		29.73	-	7.00	166.520	6.206
134.6303.00		20.93	-	7.00	3.532	12.414

**PROFIEL T-VERBINDER
 PROFILE JONCTION-T
 PROFILE T-BRACKET
 PROFIL T-VERBINDER**

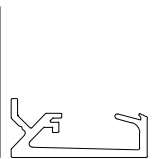
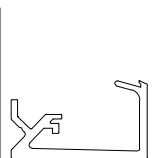
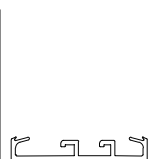
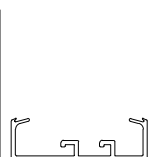
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
034.1651.00		34.61	-	7.00	13.995	32.516
134.1651.00		36.73	-	7.00	27.793	10.462

**VERBINDUNGSPROFIEL
 PROFILE DE RACCORDEMENT
 CONNECTION PROFILE
 KUPPLUNGSPROFIL**

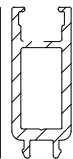
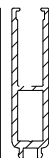
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
C07.1300.00		22.99	-	7.00	3.578	19.478
C07.2300.00		24.99	-	7.00	3.665	27.265

		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
107.0300.00		26.99	-	7.00	3.740	36.744
C07.3300.00		28.99	-	7.00	3.806	48.045
C07.4300.00		30.99	-	7.00	3.863	61.300
C07.5300.00		32.99	-	7.00	3.915	76.638
107.0110.00		19.06	-	7.00	2.102	6.745

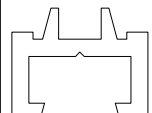
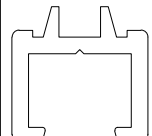
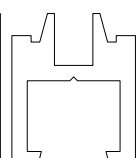
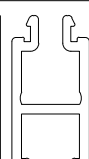
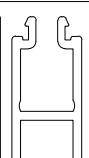
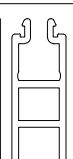
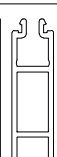
**GLASLAT
 PARCLOSE
 GLAZING BEAD
 GLASLEISTE**

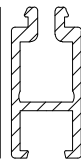
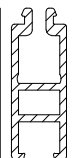
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
107.0225.XX		14.32	5.8	7.00	0.179	1.539
107.0227.XX		15.92	6.6	7.00	0.402	1.906
107.0236.XX		22.20	7.7	7.00	0.197	6.782
107.0238.XX		25.28	9.2	7.00	0.647	8.854

**AFSTANDHOUDER
 PIECE D'ECARTEMENT
 DISTANCE PIECE
 DISTANZSTUECK**

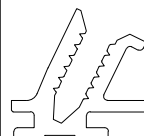
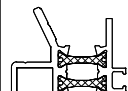
			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
134.0600.04			0.01	-	7.00	1.425	0.382
134.0601.04			0.01	-	7.00	5.485	0.626

**AFSTANDSHOUDER BEGLAZING
 REDUCTEUR DE FEUILLURE VITRAGE
 FILLISTER REDUCER PART GLAZING
 GLASFALZVERKLEINERUNGSPROFIL**

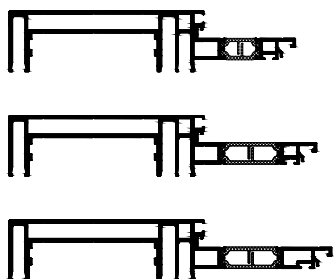
			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
034.0617.XX			5.28	1.2	7.00	-	-
034.0514.XX			6.06	0.2	7.00	-	-
034.0618.XX			6.88	2.0	7.00	-	-
034.0615.XX			10.45	3.3	7.00	-	-
034.0619.XX			11.25	3.7	7.00	-	-
034.0616.XX			12.23	4.9	7.00	-	-
034.0420.XX			13.85	6.5	7.00	-	-

			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
034.0610.04			-	-	7.00		
034.0611.04			-	-	7.00	-	-

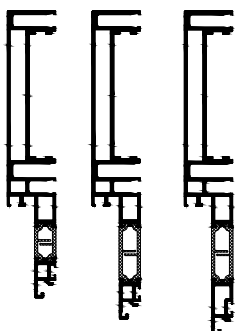
**BEGLAZINGSPROFIEL
 PROFILE DE VITRAGE
 GLAZING PROFILE
 VERGLASUNGSPROFIL**

			$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$I_y \text{ cm}^4$
134.1116.17SG			6.57	-	7.00	0.123	0.015
134.1117.00			0.01	-	7.00	0.252	0.146
107.0102.17SG			12.87	-	7.00	1.587	0.911

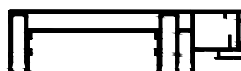
107.0220.XX
107.0221.XX
107.0222.XX



107.0212.XX
107.0211.XX
107.0210.XX



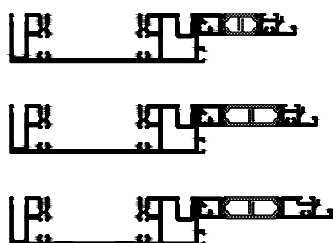
107.0501.XX



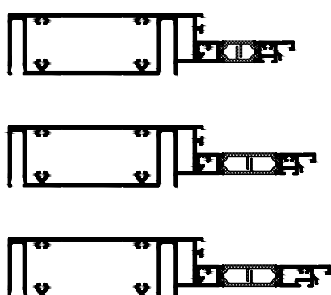
107.0510.XX



107.0400.XX
107.0401.XX
107.0402.XX



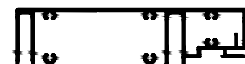
107.0420.XX
107.0421.XX
107.0422.XX



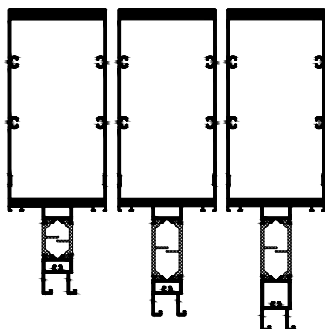
107.0520.XX



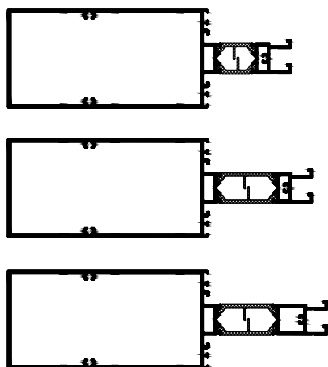
107.0521.XX



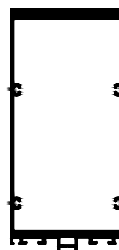
107.0280.XX
107.0281.XX
107.0282.XX



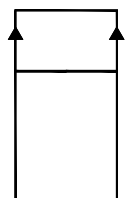
107.0285.XX
107.0286.XX
107.0287.XX



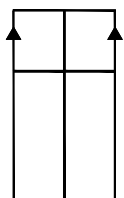
107.0580.XX



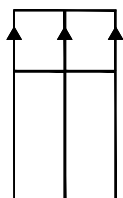
107.0585.XX



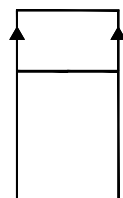
1.5 x 3.7 m



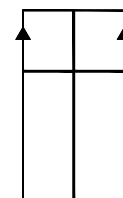
1.8 x 3.7 m



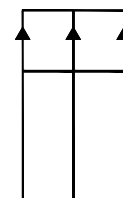
2.7 x 3.7 m



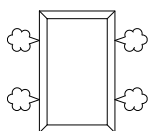
1.5 x 3.7 m



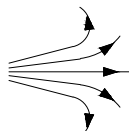
1.9 x 3.7 m



2.7 x 3.7 m



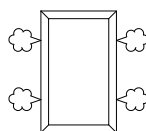
1200 Pa



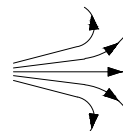
2400 Pa (SLS)
3600 Pa (ULS)



1200 Pa



1200 Pa



2400 Pa (SLS)
3600 Pa (ULS)



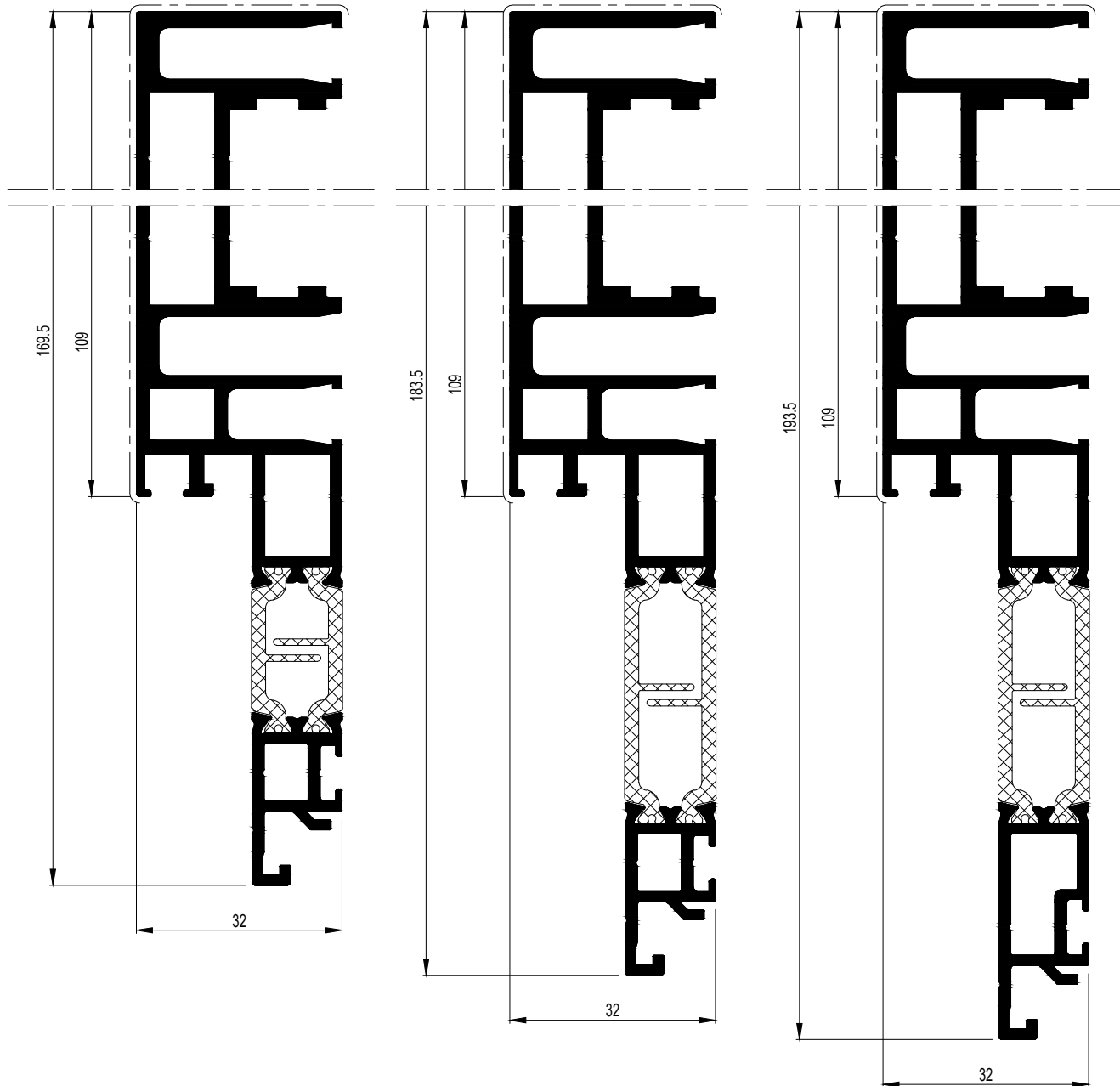
1200 Pa

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1210.XX	62.08	14.1	7.00	206.308	21.390	96.45	10.228	5.822	14.64	
C07.1211.XX	62.08	14.1	7.00	221.294	20.379	108.59	10.239	5.829	14.64	
C07.1212.XX	64.08	14.1	7.00	263.714	23.099	114.17	10.838	6.317	15.05	

C07.1210.XX

C07.1211.XX

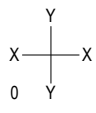
C07.1212.XX



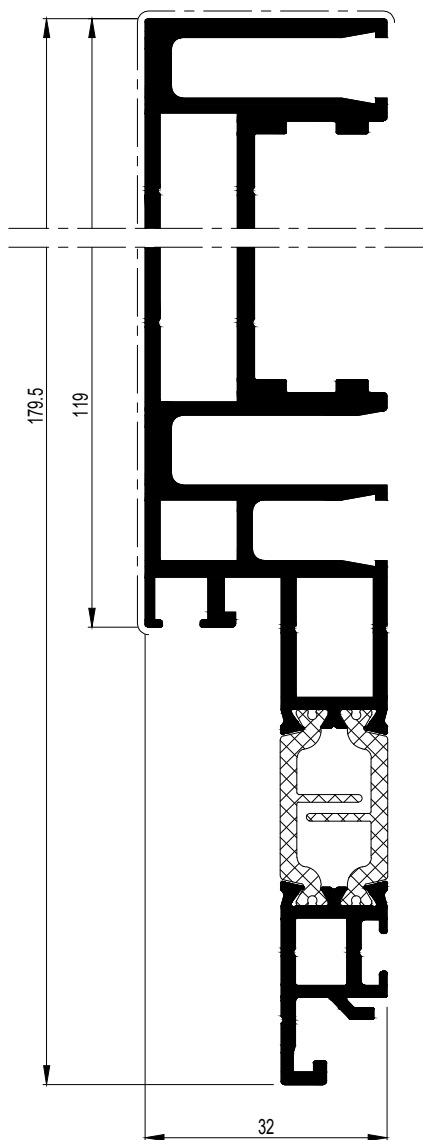
	C07.1210.XX	
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	---

	C07.1211.XX	
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	---

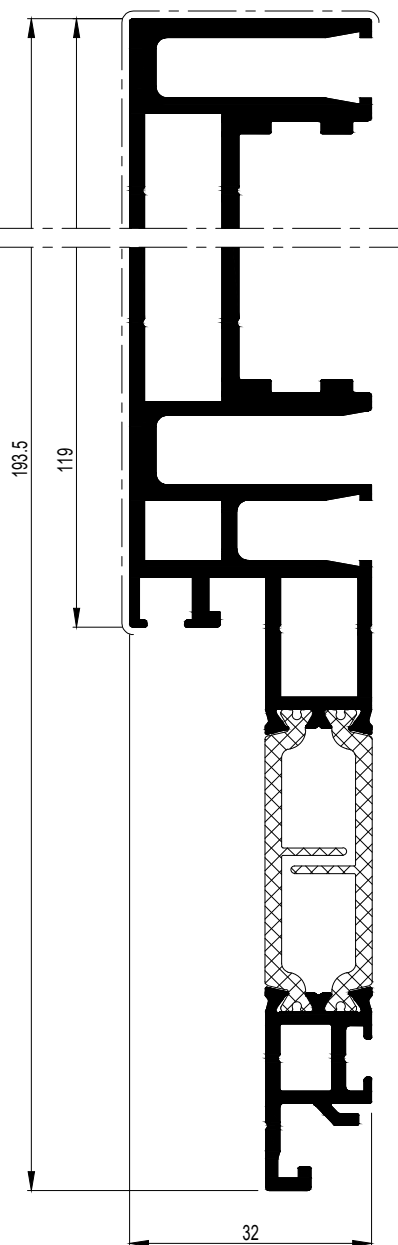
	C07.1212.XX	
	168.6511.00 168.6520.00 C68.1522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.1522.00 168.6512.00	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
C07.2210.XX	64.08	15.1	7.00	244.501	24.231	100.90	10.602	5.943	14.37	
C07.2211.XX	64.08	15.1	7.00	258.636	22.866	113.11	10.601	5.942	14.37	
C07.2212.XX	66.08	15.1	7.00	304.528	25.657	118.69	11.225	6.438	14.77	

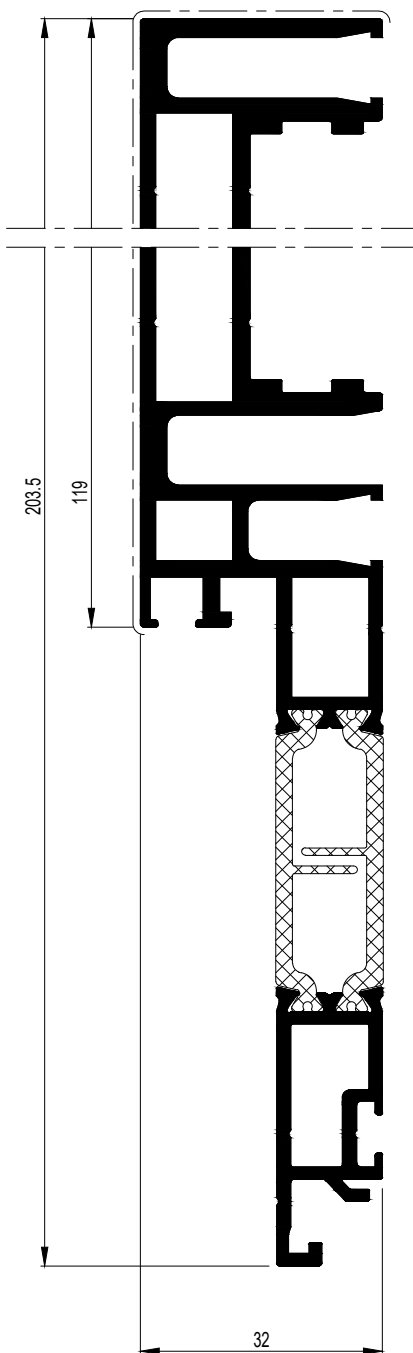
C07.2210.XX



C07.2211.XX



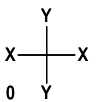
C07.2212.XX



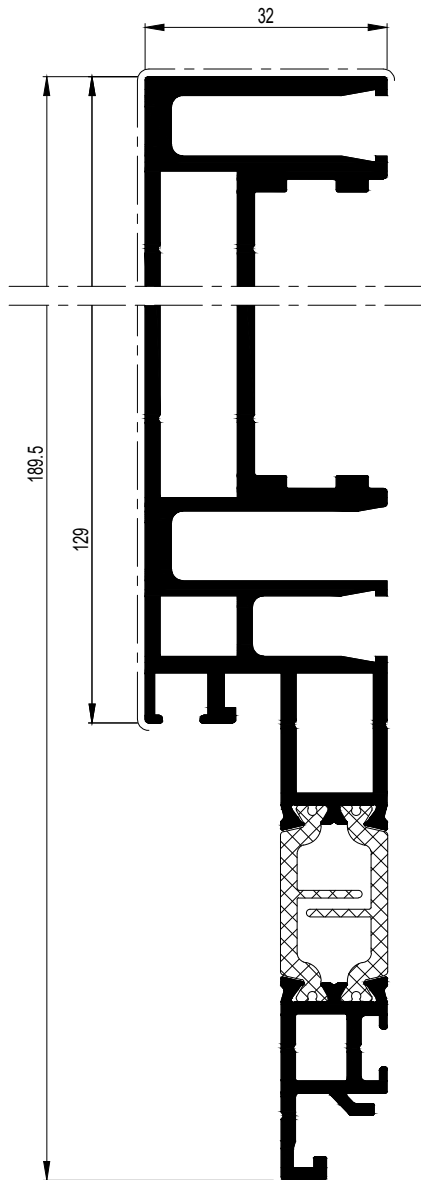
	C07.2210.XX	
	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	---

	C07.2211.XX	
	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	---

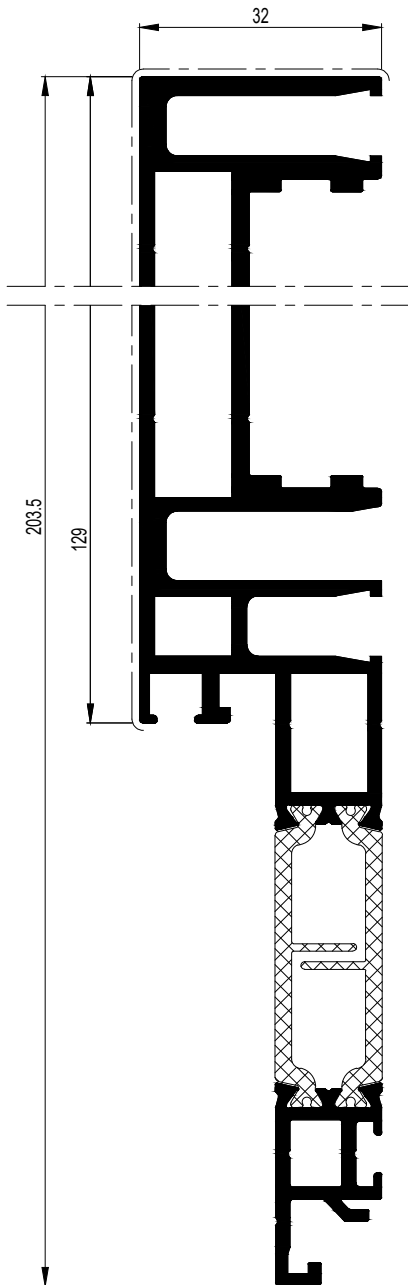
	C07.2212.XX	
	168.6511.00 168.6520.00 C68.2522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.2522.00 168.6512.00	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
107.0210.XX	72.31	16.1	7.00	287.256	27.255	105.40	10.950	6.052	18.09	
107.0211.XX	72.31	16.1	7.00	300.285	25.519	117.67	10.950	6.052	18.09	
107.0212.XX	74.31	16.1	7.00	349.812	28.381	123.25	11.597	6.553	17.70	

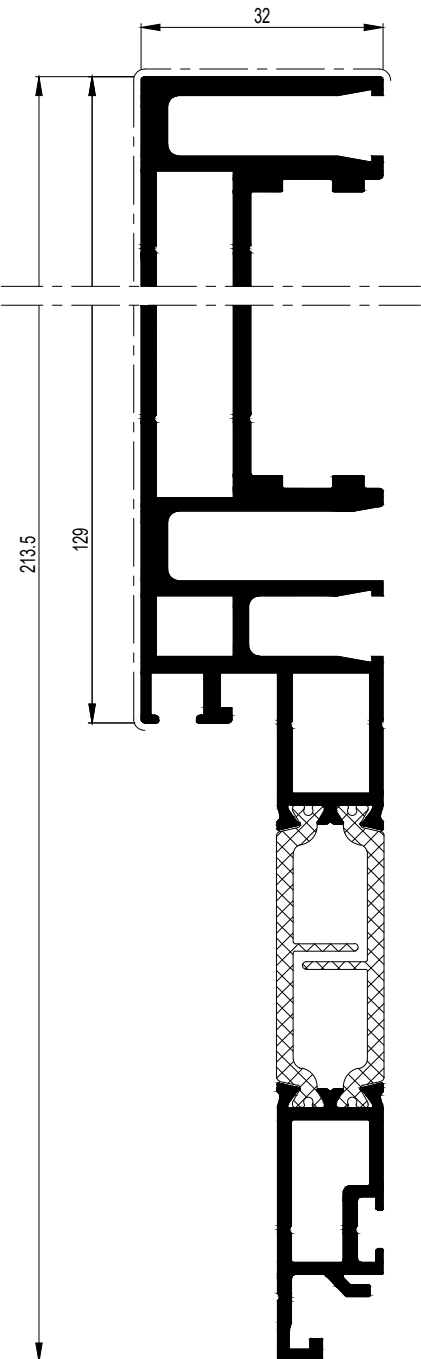
107.0210.XX



107.0211.XX



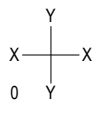
107.0212.XX

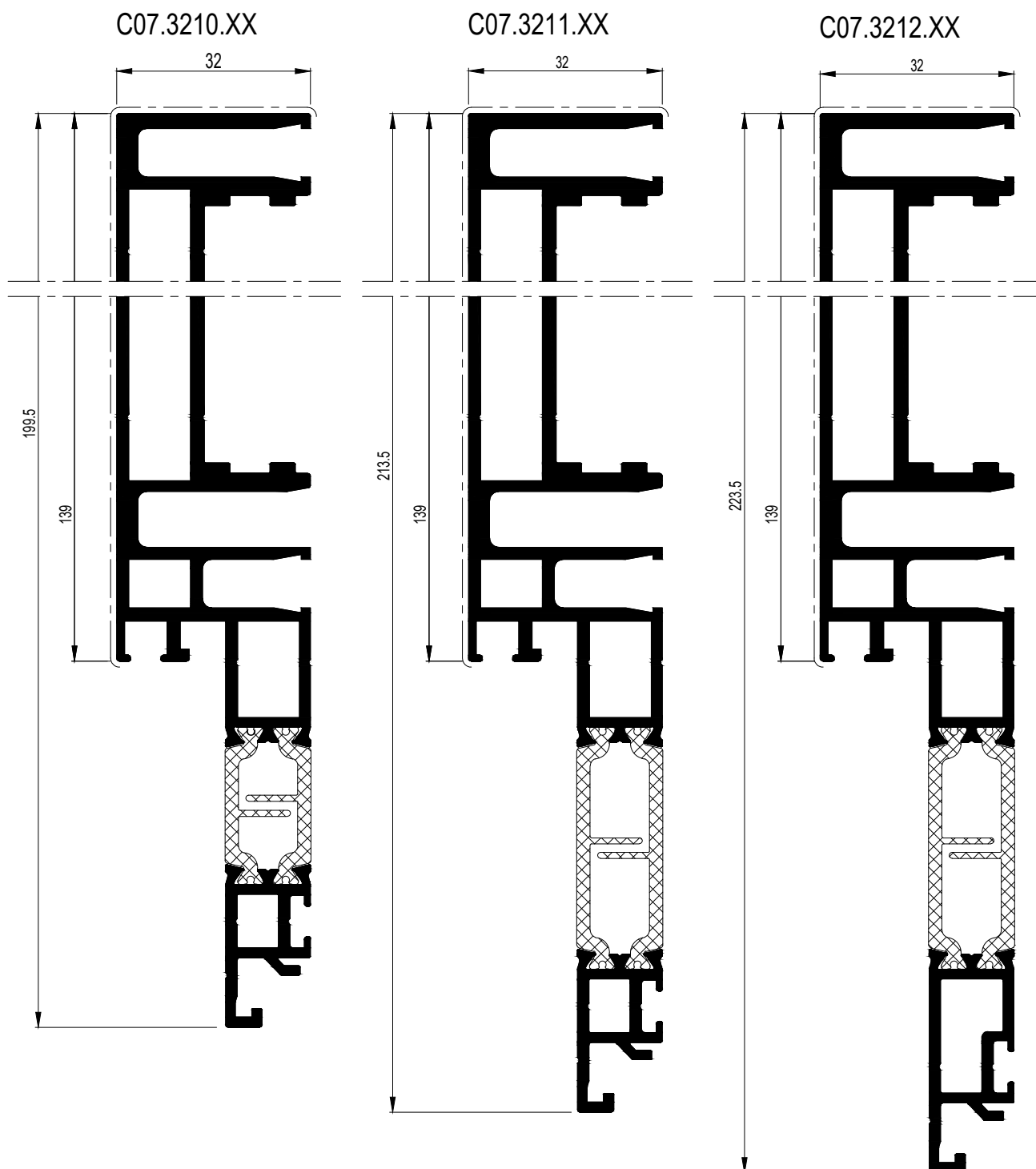


	107.0210.XX	
	168.6520.00 168.6522.00 168.6512.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 168.6510.00 168.6522.00	---

	107.0211.XX	
	168.6512.00 168.6520.00 168.6522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 168.6522.00 168.6510.00	---

	107.0212.XX	
	168.6511.00 168.6520.00 168.6522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 168.6522.00 168.6512.00	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.3210.XX	68.08	17.1	7.00	334.761	30.454	109.93	11.285	6.157	13.88	
C07.3211.XX	68.08	17.1	7.00	346.414	28.333	122.27	11.285	6.157	13.88	
C07.3212.XX	70.08	17.1	7.00	399.740	31.267	127.85	11.953	6.664	14.27	



	C07.3210.XX	
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	

	C07.3211.XX	
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	

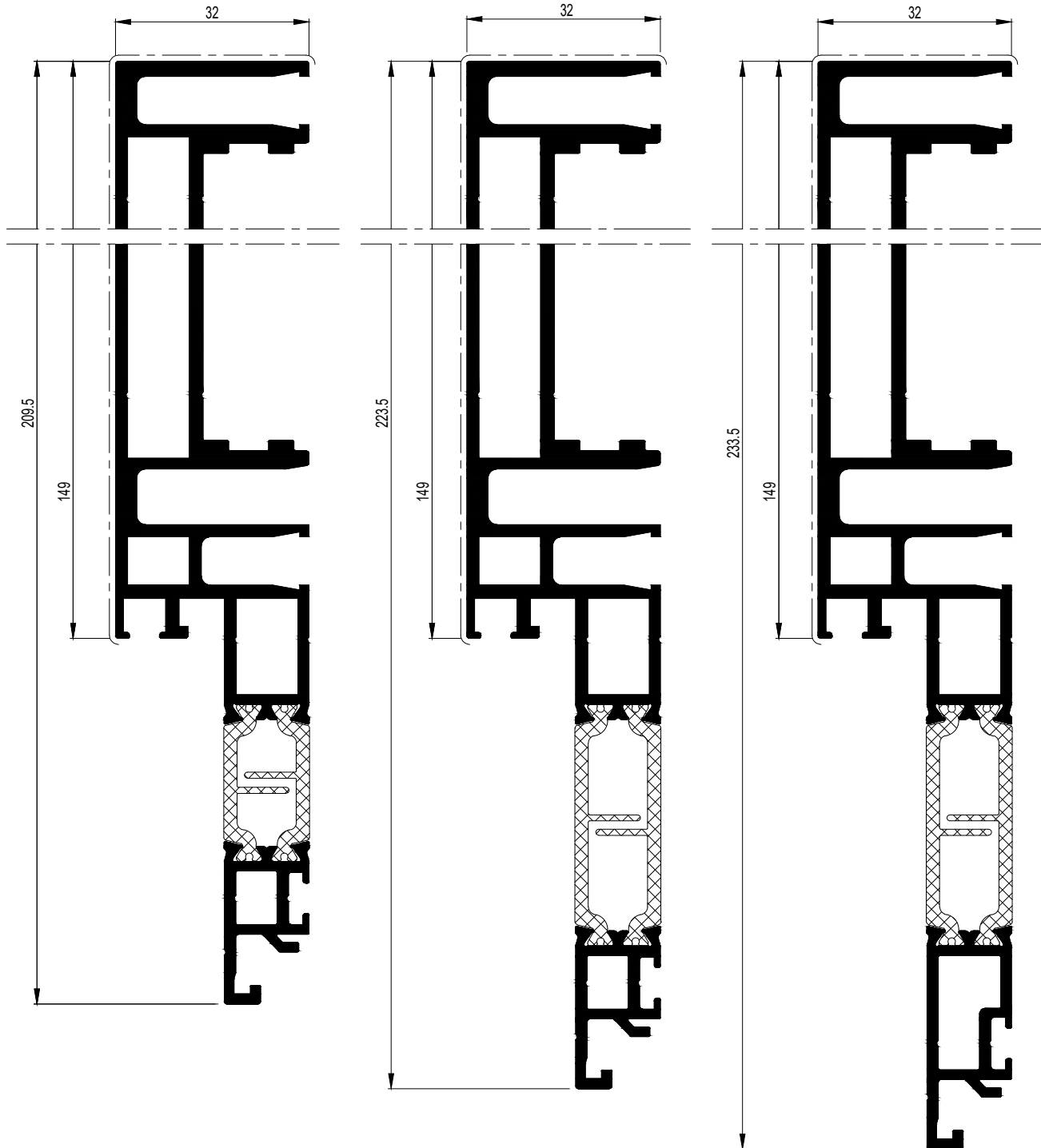
	C07.3212.XX	
	168.6511.00 168.6520.00 C68.3522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.3522.00 168.6512.00	

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.4210.XX	70.08	18.1	7.00	387.204	33.821	114.49	11.607	6.259	13.66	
C07.4211.XX	70.08	18.1	7.00	397.201	31.304	126.89	11.608	6.259	13.66	
C07.4212.XX	72.08	18.1	7.00	454.491	34.310	132.47	12.297	6.771	14.05	

C07.4210.XX

C07.4211.XX

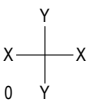
C07.4212.XX

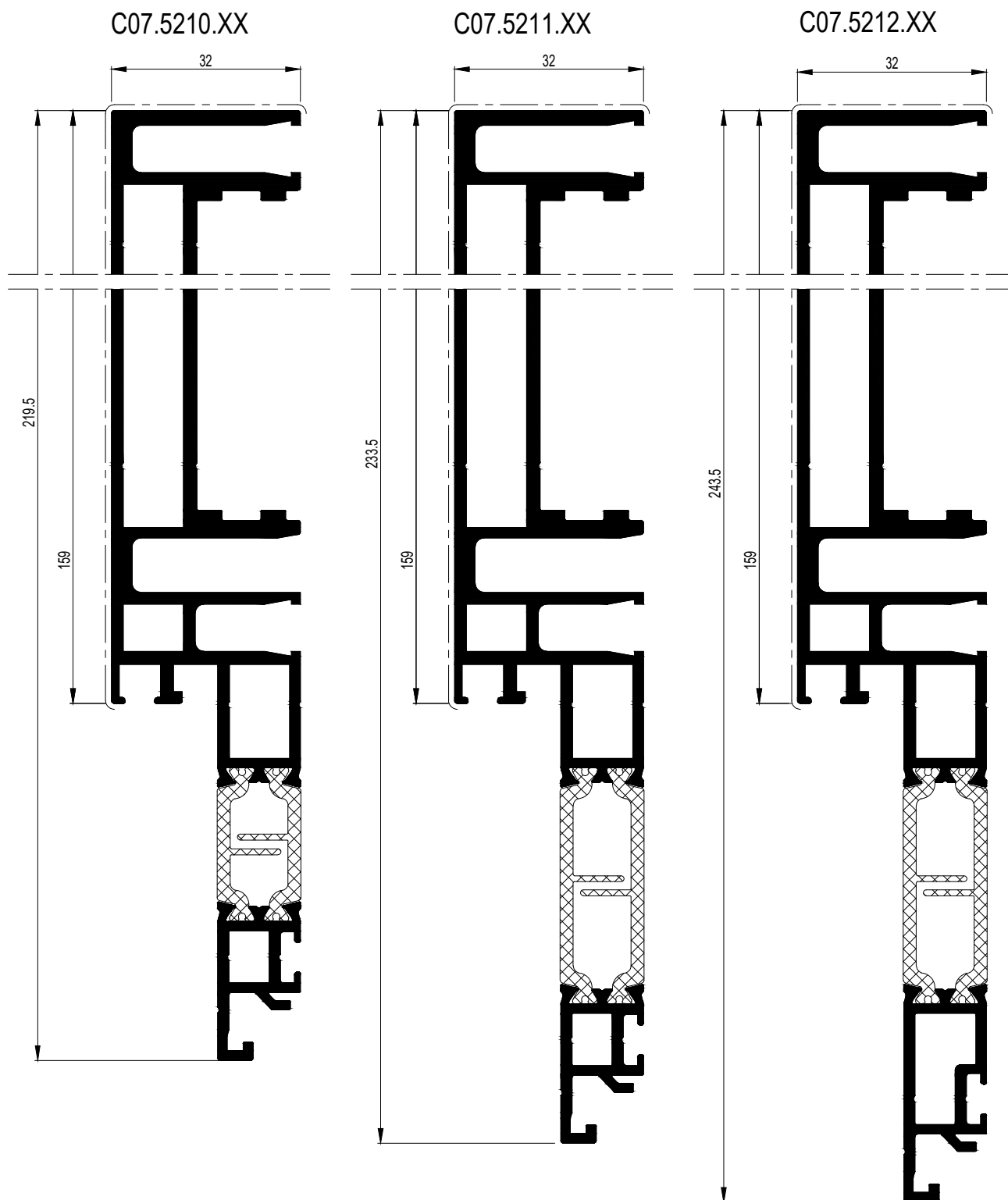


	C07.4210.XX	
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	---

	C07.4211.XX	
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	---

	C07.4212.XX	
	168.6511.00 168.6520.00 C68.4522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.4522.00 168.6512.00	---

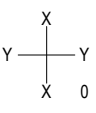
	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.5210.XX	72.08	19.1	7.00	444.770	37.350	119.08	11.919	6.357	13.46	
C07.5211.XX	72.08	19.1	7.00	452.923	34.431	131.54	11.919	6.357	13.46	
C07.5212.XX	74.08	19.1	7.00	514.237	37.505	137.11	12.629	6.874	13.84	



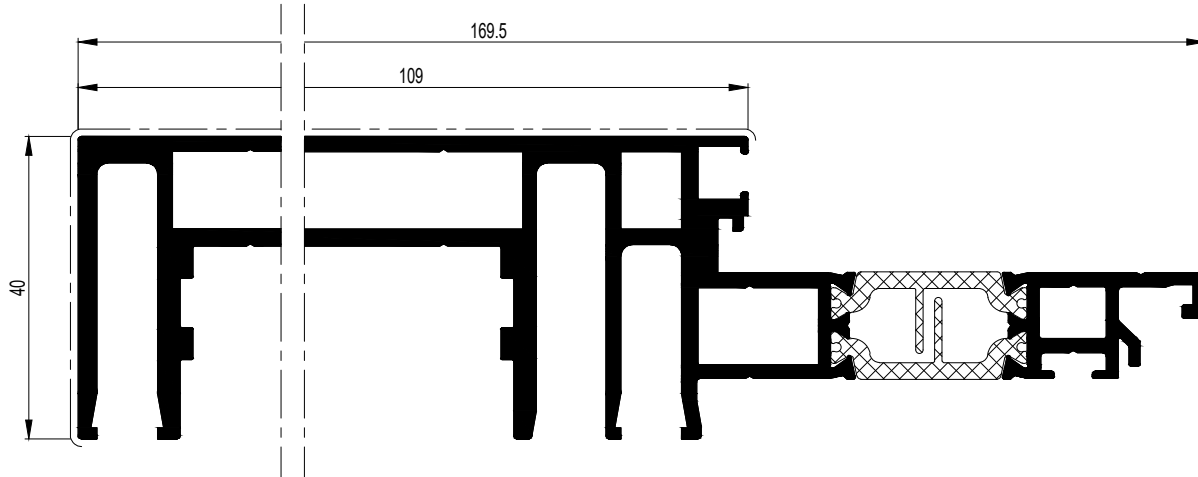
	C07.5210.XX	
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	---

	C07.5211.XX	
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	---

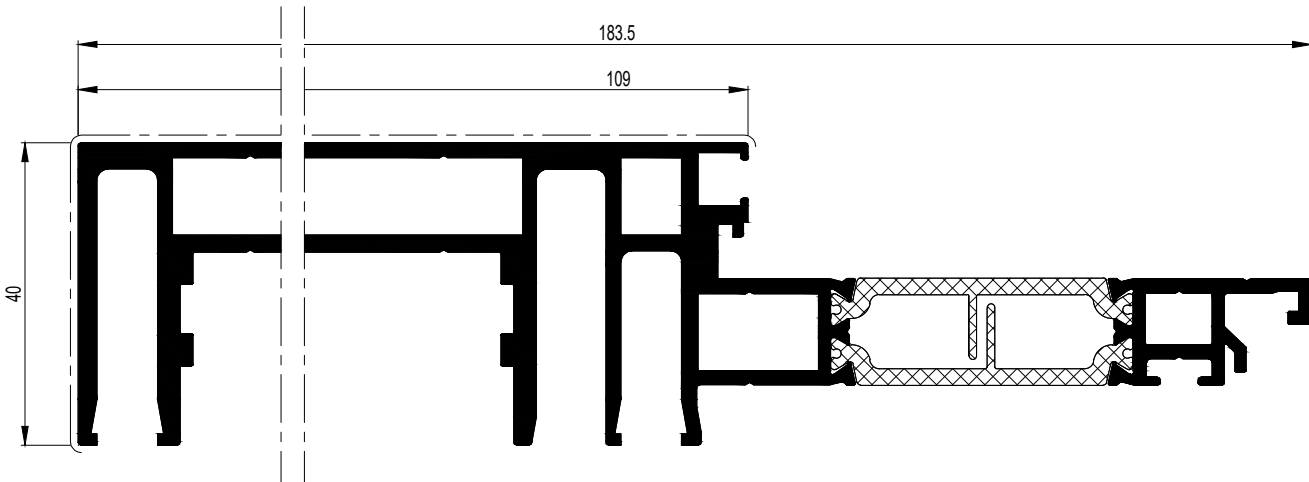
	C07.5212.XX	
	168.6511.00 168.6520.00 C68.5522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.5522.00 168.6512.00	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.1220.XX	69.58	14.9	7.00	225.921	23.150	97.59	14.365	6.049	23.75	
C07.1221.XX	69.58	14.9	7.00	240.137	21.846	109.92	14.364	6.049	23.75	
C07.1222.XX	71.60	14.9	7.00	283.722	24.480	115.90	14.824	6.323	23.44	

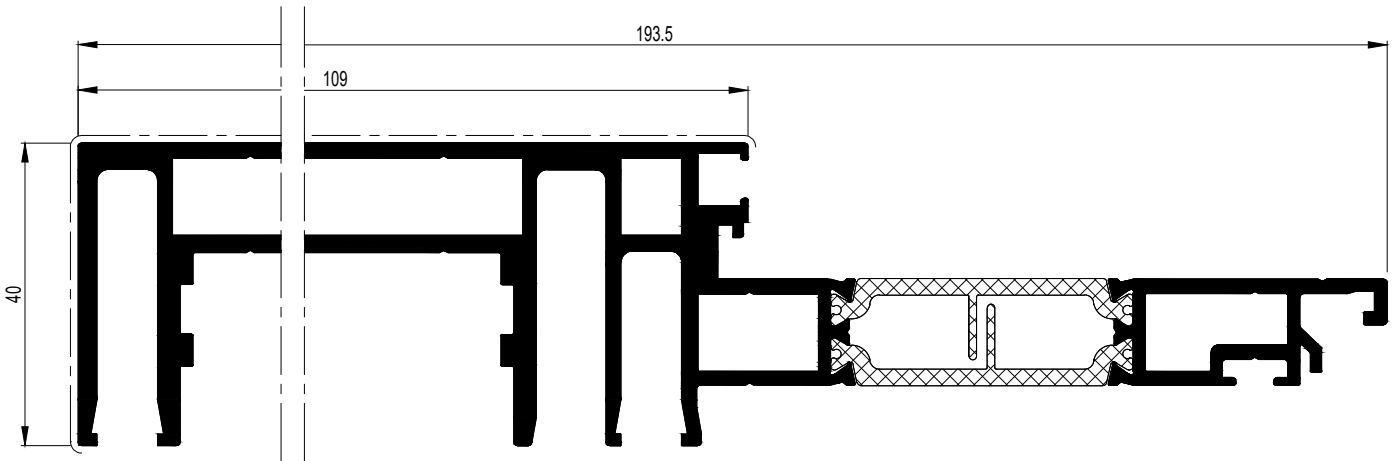
C07.1220.XX



C07.1221.XX



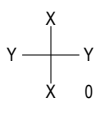
C07.1222.XX



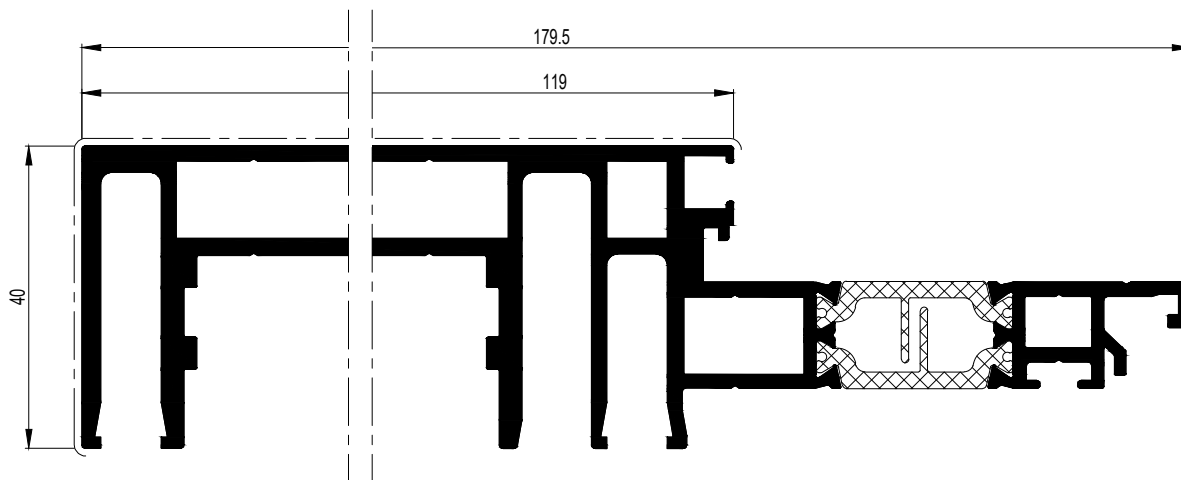
	C07.1220.XX	
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	---

	C07.1221.XX	
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.1522.00 168.6510.00	---

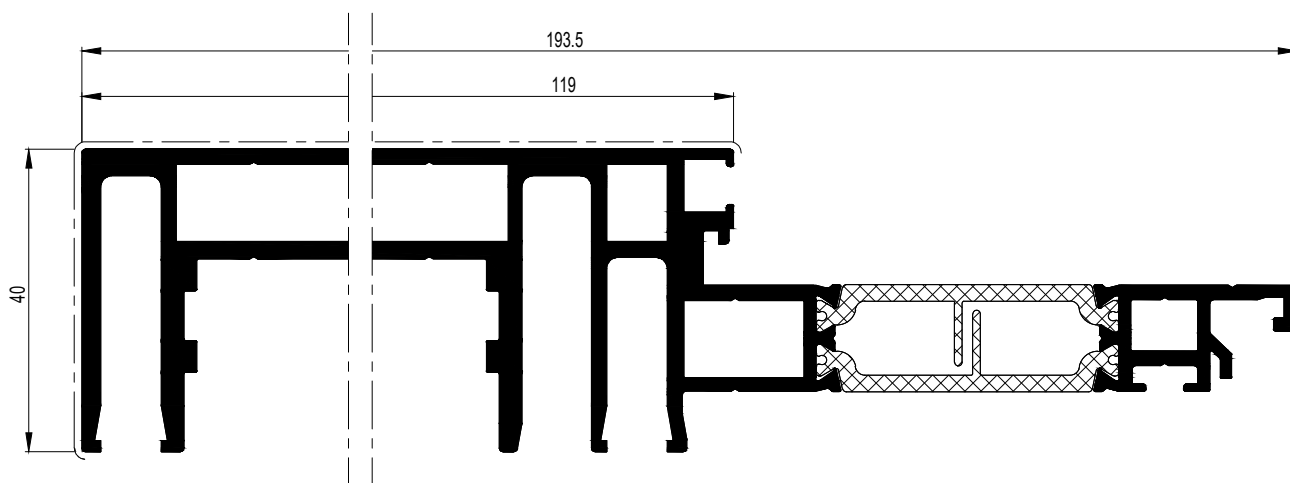
	C07.1222.XX	
	168.6511.00 168.6520.00 C68.1522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.1522.00 168.6512.00	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
C07.2220.XX	71.46	15.9	7.00	268.069	26.293	101.96	14.843	6.168	24.07	
C07.2221.XX	71.58	15.9	7.00	281.390	24.618	114.30	14.846	6.171	24.06	
C07.2222.XX	73.58	15.9	7.00	328.376	27.302	120.28	15.329	6.453	23.75	

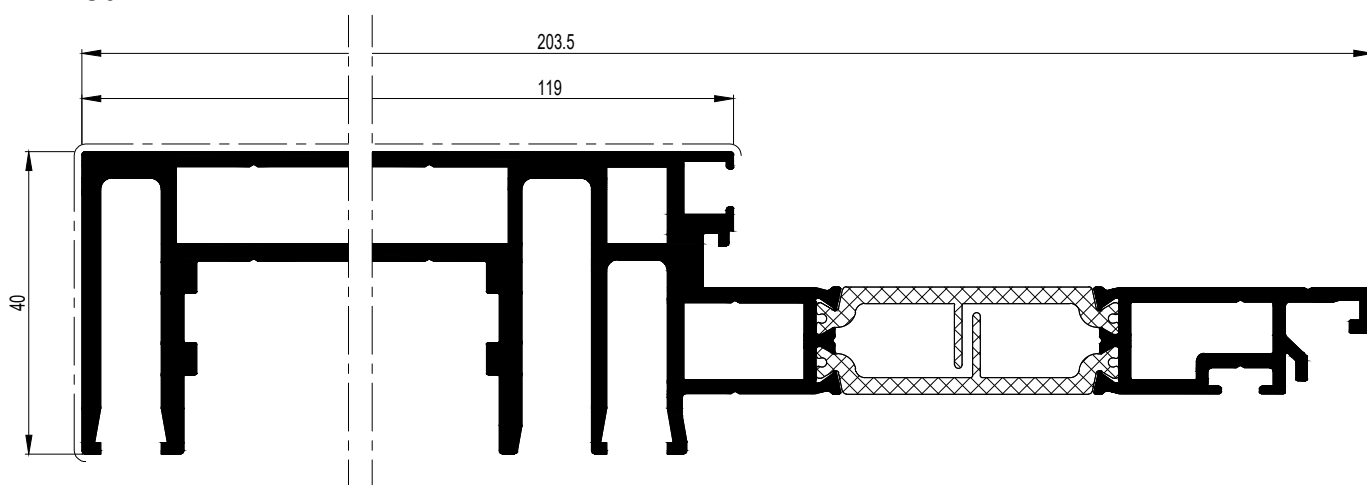
C07.2220.XX



C07.2221.XX



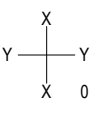
C07.2222.XX



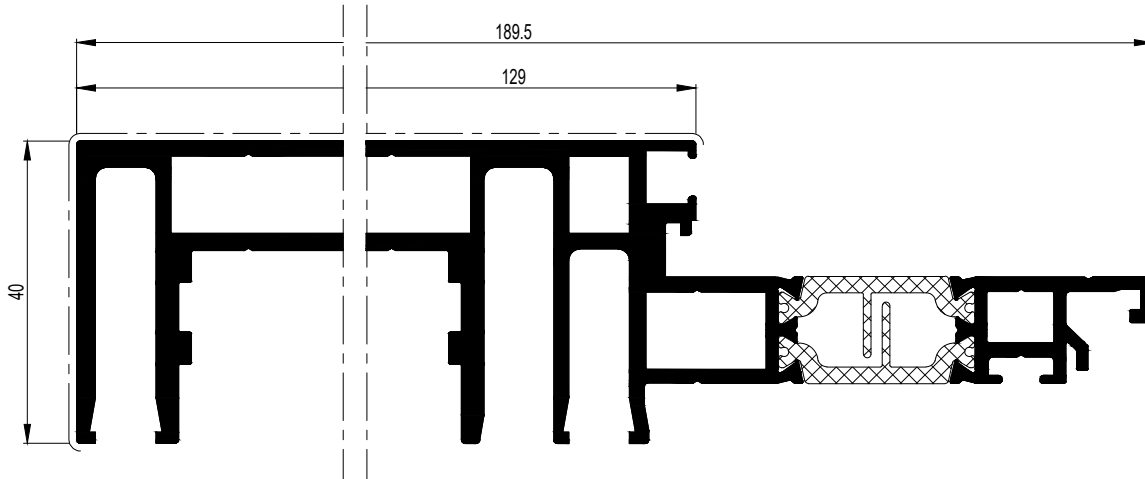
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	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	---

	C07.2221.XX	
	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.2522.00 168.6510.00	---

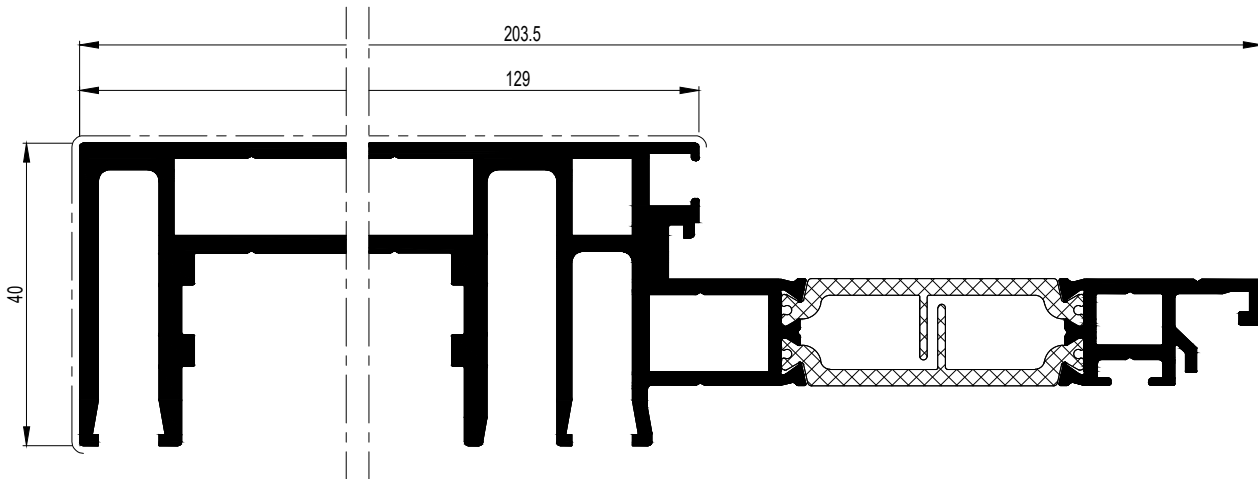
	C07.2222.XX	
	168.6511.00 168.6520.00 C68.2522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.2522.00 168.6512.00	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
107.0220.XX	79.81	16.9	7.00	315.752	29.709	106.28	15.308	6.287	24.35	
107.0221.XX	79.81	16.9	7.00	327.406	27.577	118.73	15.308	6.287	24.35	
107.0222.XX	81.81	16.9	7.00	377.953	30.311	124.69	15.811	6.576	24.05	

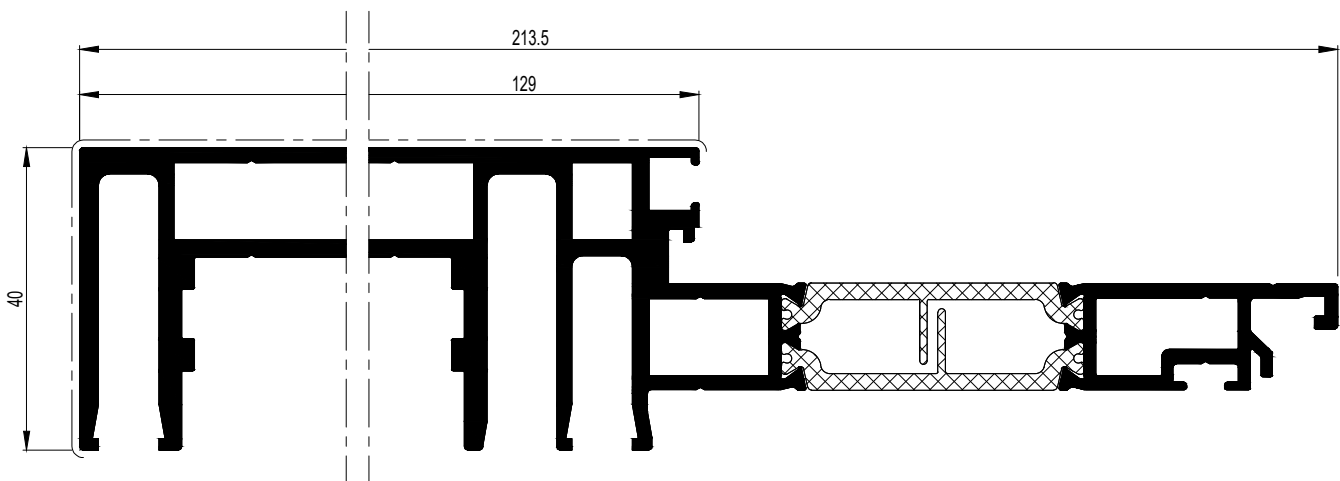
107.0220.XX



107.0221.XX



107.0222.XX



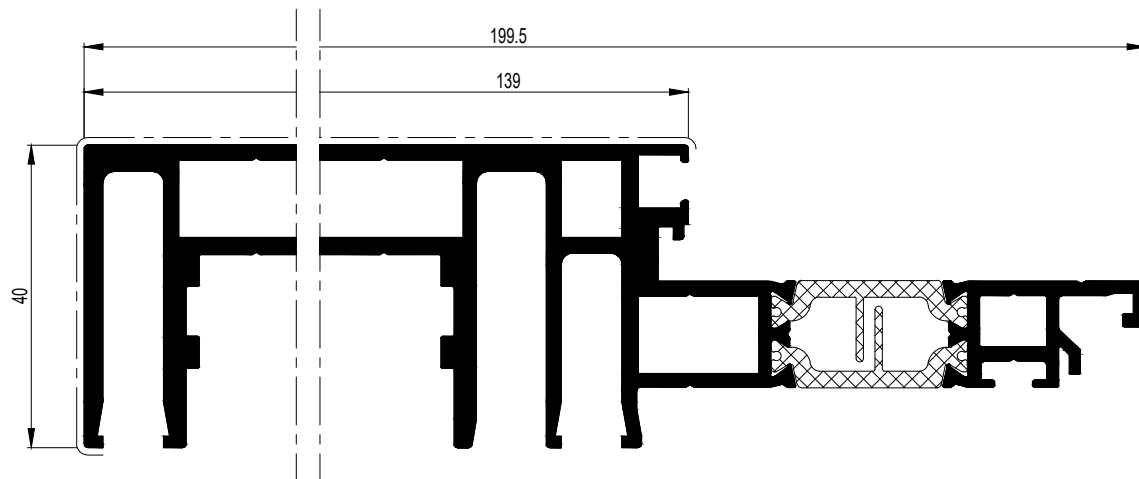
	107.0220.XX	
	168.6512.00 168.6520.00 168.6522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 168.6522.00 168.6510.00	---

	107.0221.XX	
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	168.6512.00 168.6520.00 168.6522.00 168.6510.00	---

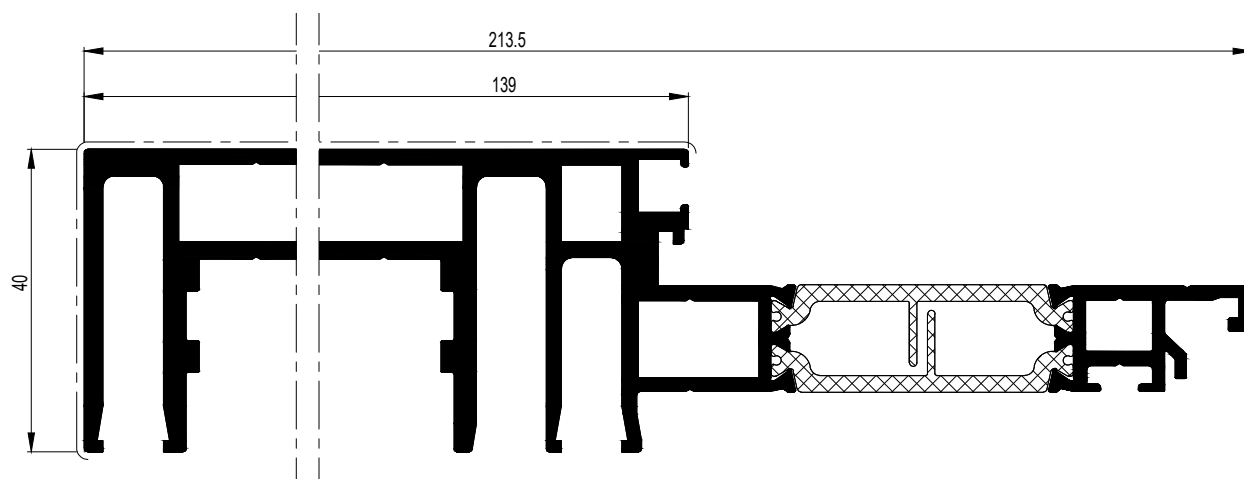
	107.0222.XX	
	168.6511.00 168.6520.00 168.6522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 168.6522.00 168.6512.00	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.3220.XX	81.81	17.9	7.00	368.428	33.284	110.69	15.748	6.397	24.62	
C07.3221.XX	75.58	17.9	7.00	378.363	30.714	123.19	15.748	6.396	24.62	
C07.3222.XX	77.58	17.9	7.00	432.633	33.499	129.15	16.274	6.692	24.32	

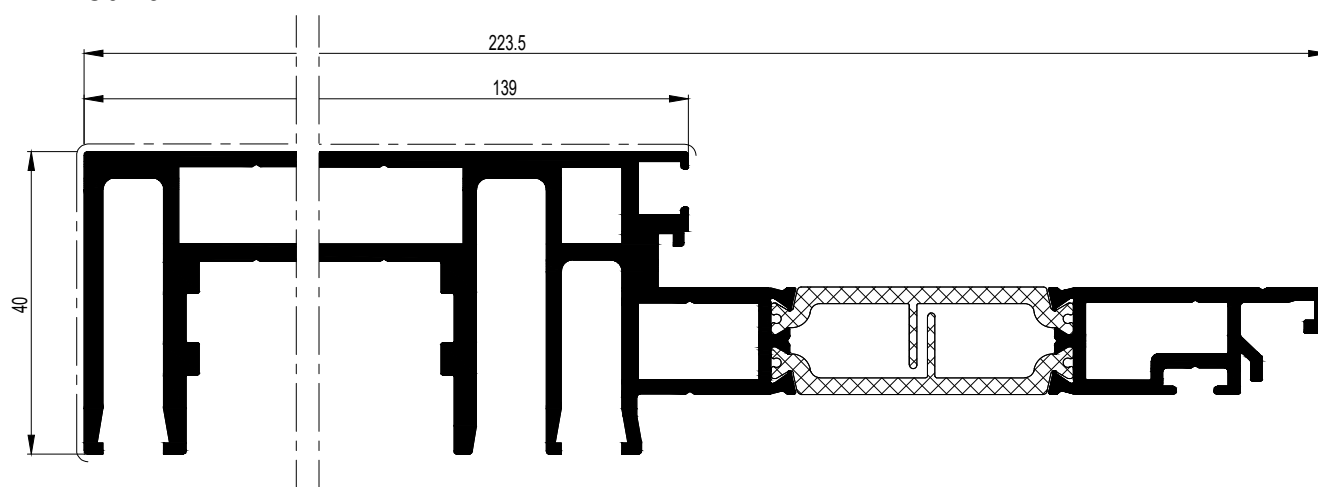
C07.3220.XX



C07.3221.XX



C07.3222.XX



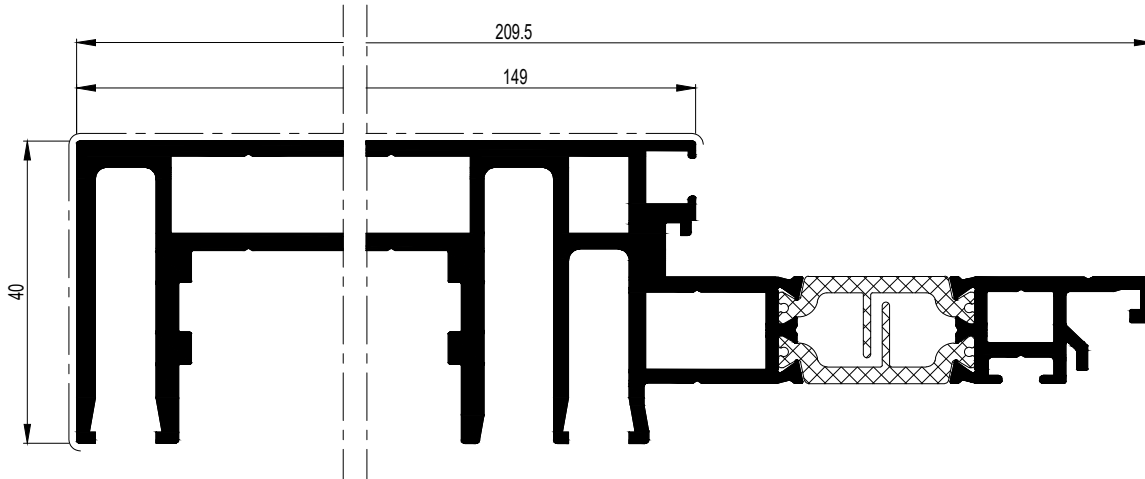
	C07.3220.XX	
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	---

	C07.3221.XX	
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.3522.00 168.6510.00	---

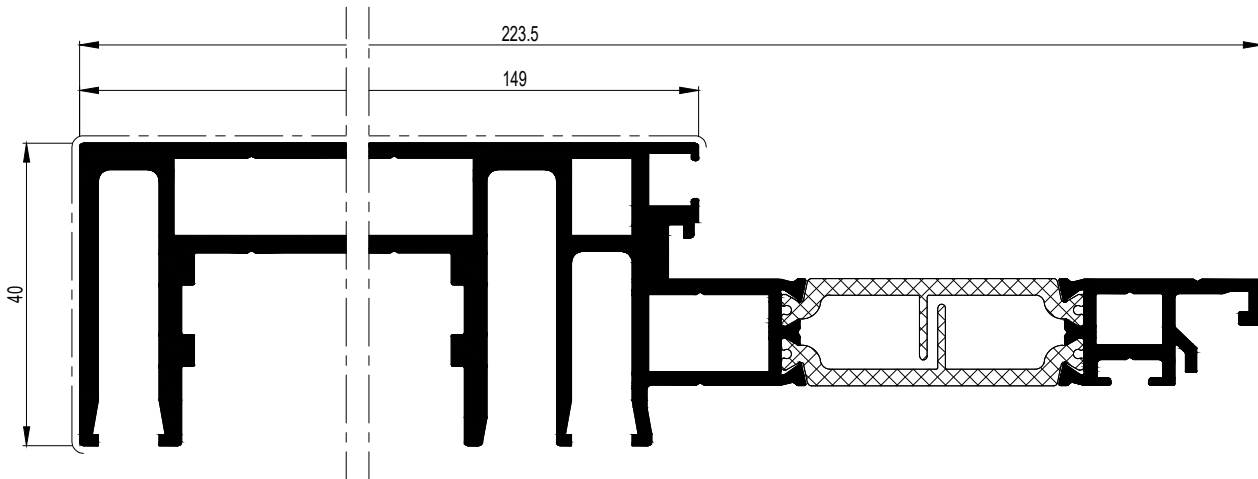
	C07.3222.XX	
	168.6511.00 168.6520.00 C68.3522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.3522.00 168.6512.00	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm
C07.4220.XX	77.58	18.9	7.00	426.531	37.045	115.14	16.172	6.502	24.87
C07.4221.XX	77.58	18.9	7.00	434.440	34.024	127.69	16.171	6.501	24.87
C07.4222.XX	79.58	18.9	7.00	492.594	36.861	133.63	16.717	6.803	24.57

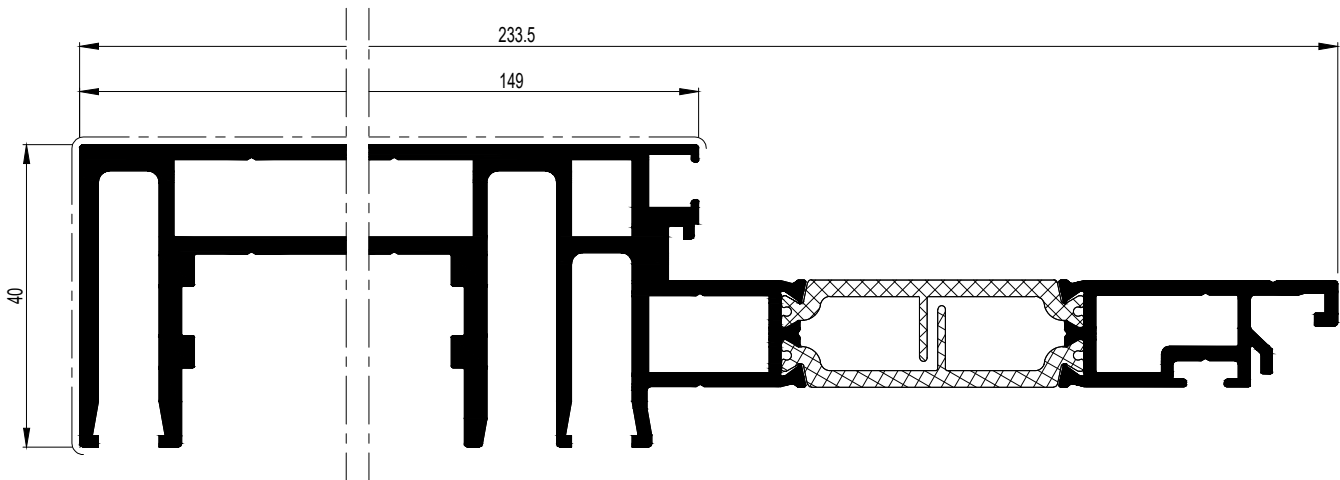
C07.4220.XX



C07.4221.XX



C07.4222.XX



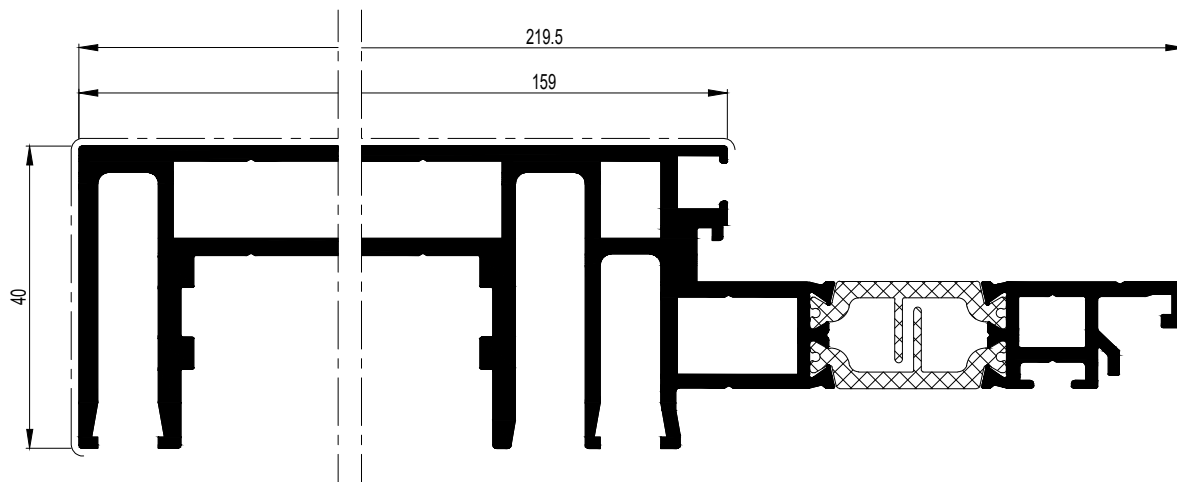
	C07.4220.XX	
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	---

	C07.4221.XX	
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.4522.00 168.6510.00	---

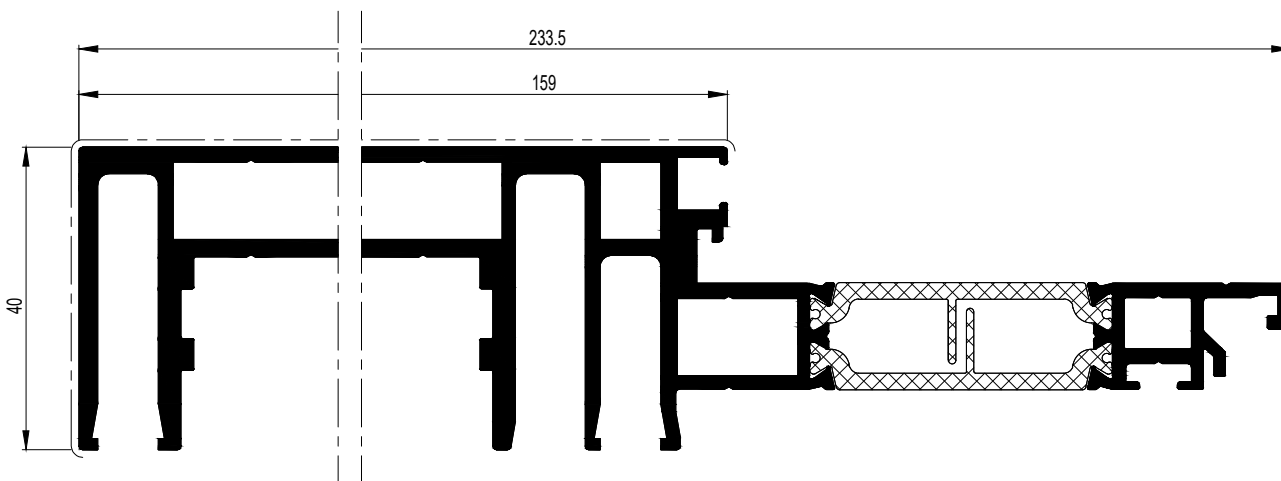
	C07.4222.XX	
	168.6511.00 168.6520.00 C68.4522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.4522.00 168.6512.00	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.5220.XX	85.81	19.9	7.00	490.251	40.983	119.62	16.579	6.602	25.11	
C07.5221.XX	79.58	19.9	7.00	495.813	37.501	132.21	16.578	6.602	25.11	
C07.5222.XX	81.58	19.9	7.00	558.014	40.391	138.15	17.144	6.909	24.81	

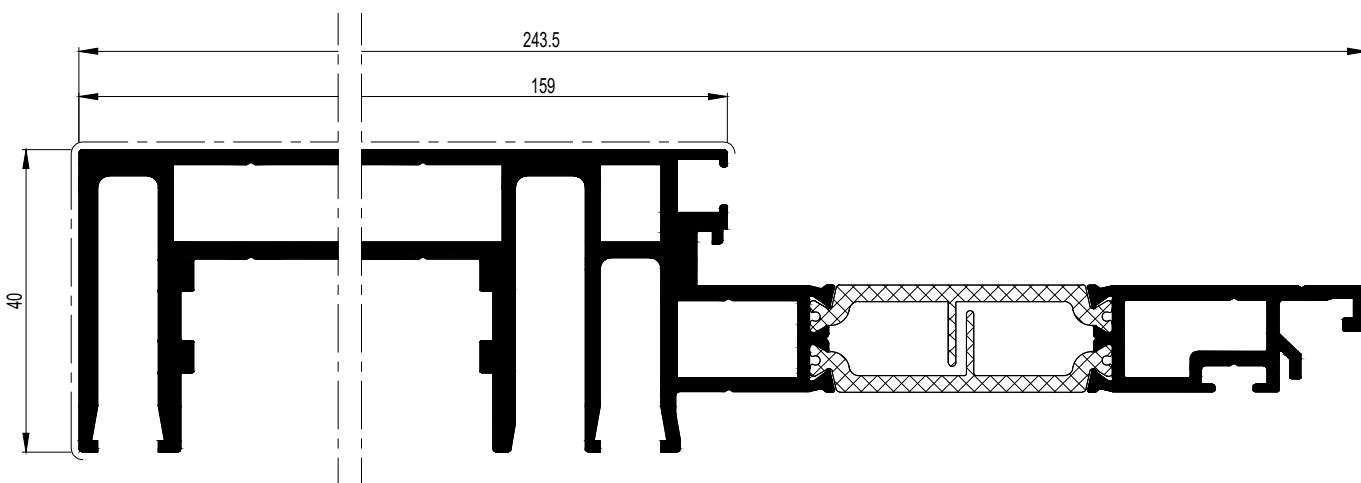
C07.5220.XX



C07.5221.XX



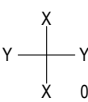
C07.5222.XX



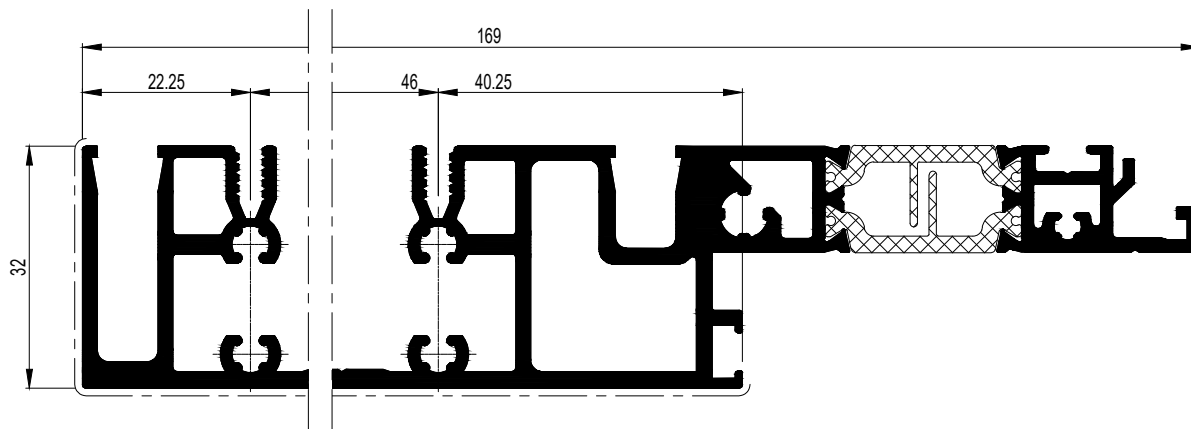
	C07.5220.XX	
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	---

	C07.5221.XX	
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	095.B500.00
	168.6512.00 168.6520.00 C68.5522.00 168.6510.00	---

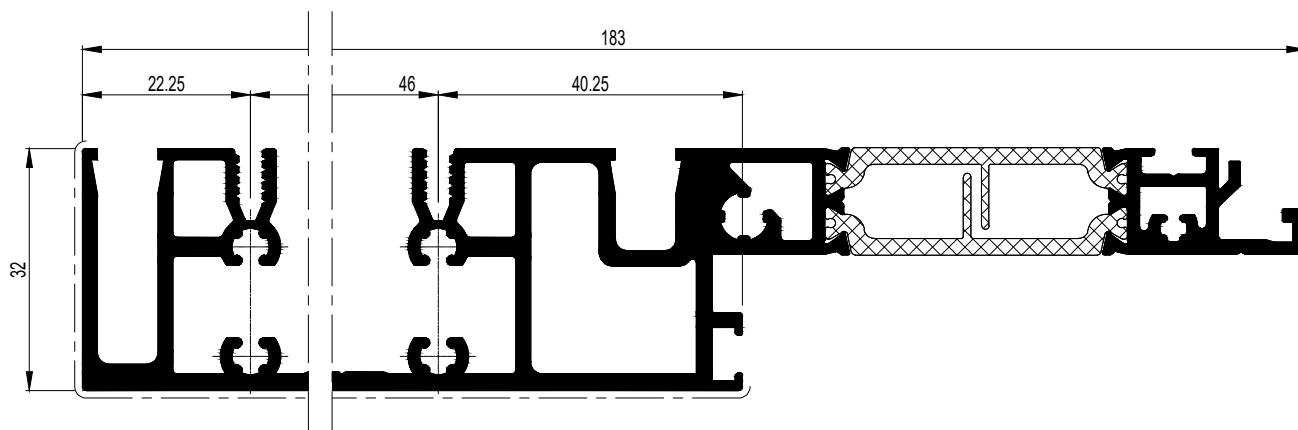
	C07.5222.XX	
	168.6511.00 168.6520.00 C68.5522.00 168.6512.00	095.B500.00
	168.6511.00 168.6520.00 C68.5522.00 168.6512.00	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.1400.XX	73.53	14.1	7.00	211.135	22.657	93.19	12.765	7.745	16.48	
C07.1401.XX	73.53	14.1	7.00	227.100	21.580	105.24	12.766	7.746	16.48	
C07.1402.XX	85.34	14.1	7.00	266.950	23.990	111.27	13.233	7.874	16.81	

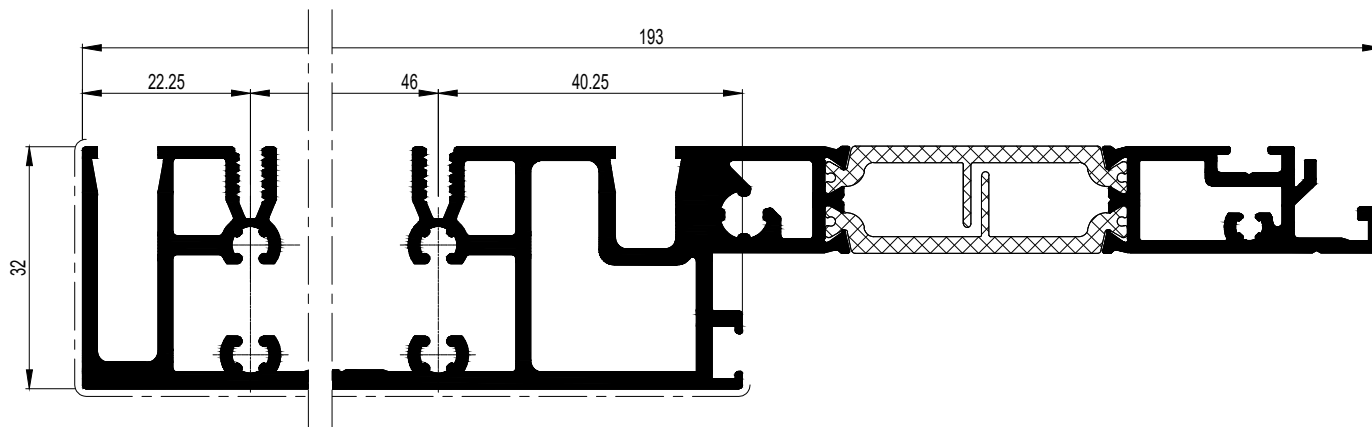
C07.1400.XX



C07.1401.XX



C07.1402.XX



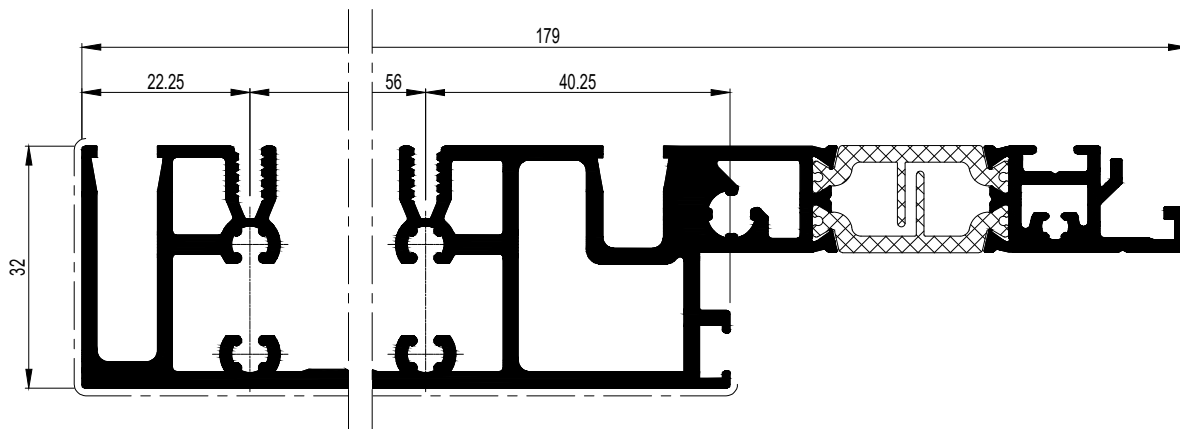
	C07.1400.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	C07.1401.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

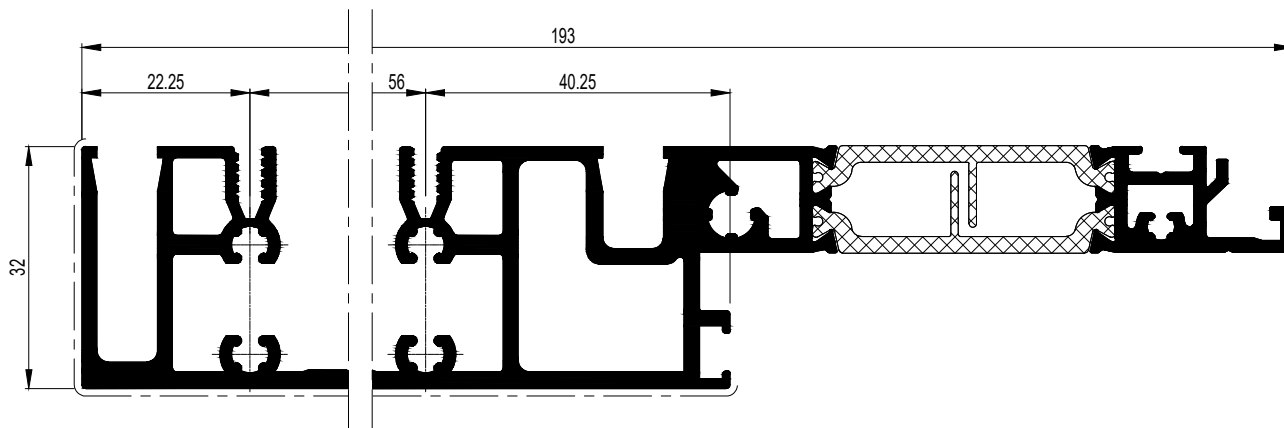
	C07.1402.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.2400.XX	75.53	15.1	7.00	248.917	25.696	96.87	13.270	8.202	16.18	
C07.2401.XX	75.53	15.1	7.00	263.916	24.221	108.96	13.270	8.202	16.18	
C07.2402.XX	77.53	15.1	7.00	306.407	26.655	114.95	13.759	8.336	16.51	

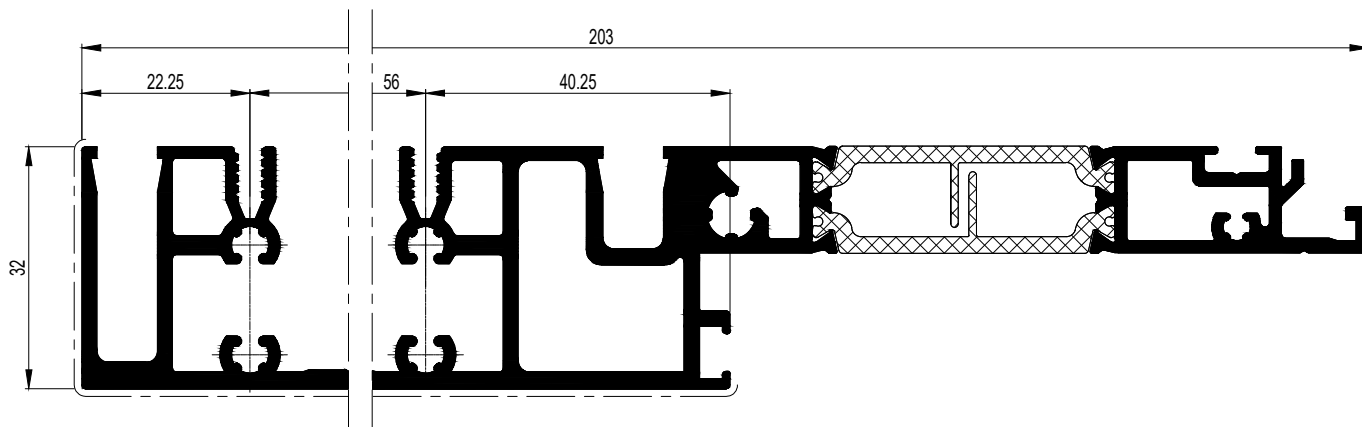
C07.2400.XX



C07.2401.XX



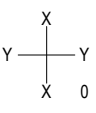
C07.2402.XX



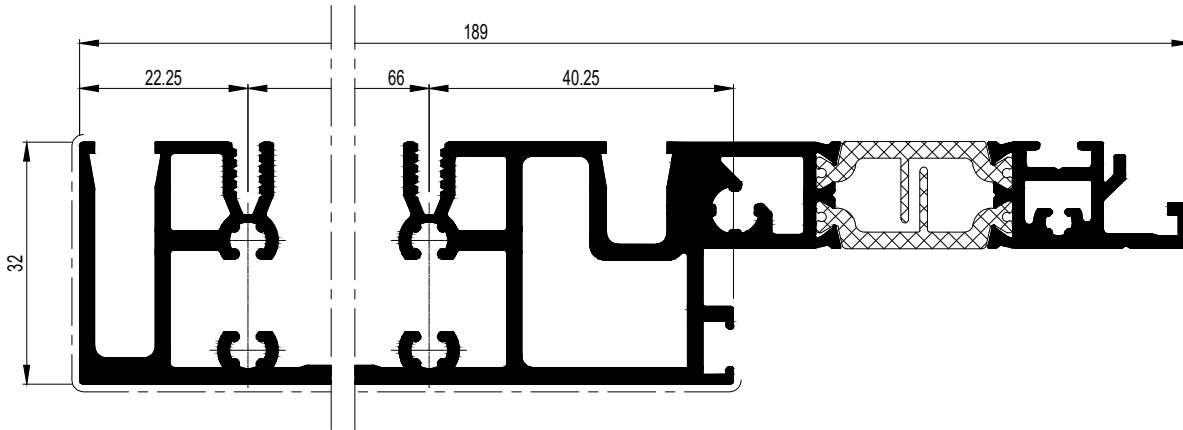
	C07.2400.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	C07.2401.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

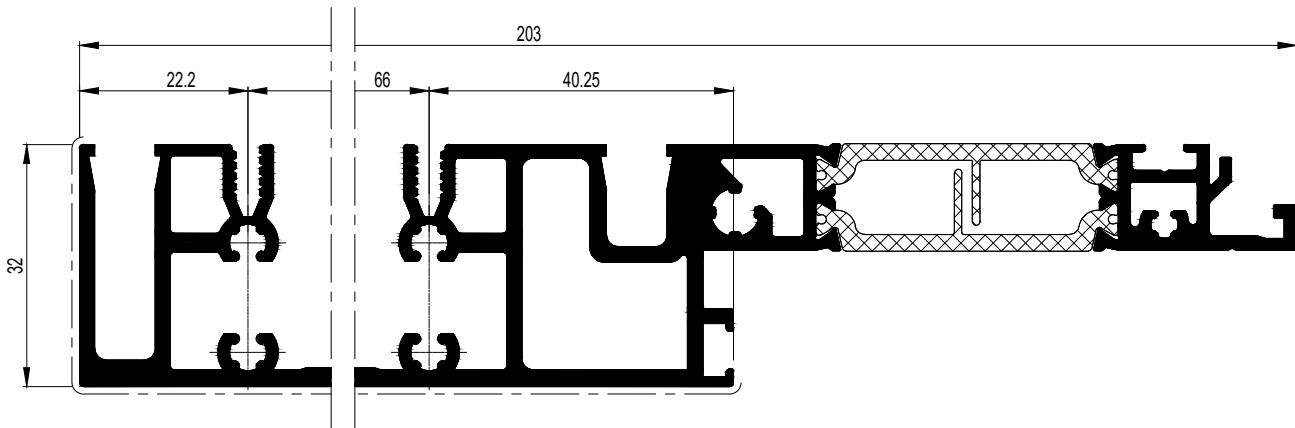
	C07.2402.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
107.0400.XX	83.77	16.1	7.00	291.106	28.934	100.61	13.754	8.428	15.89	
107.0401.XX	83.77	16.1	7.00	304.896	27.045	112.74	13.754	8.428	15.89	
107.0402.XX	85.77	16.1	7.00	350.149	29.504	118.68	14.266	8.796	16.22	

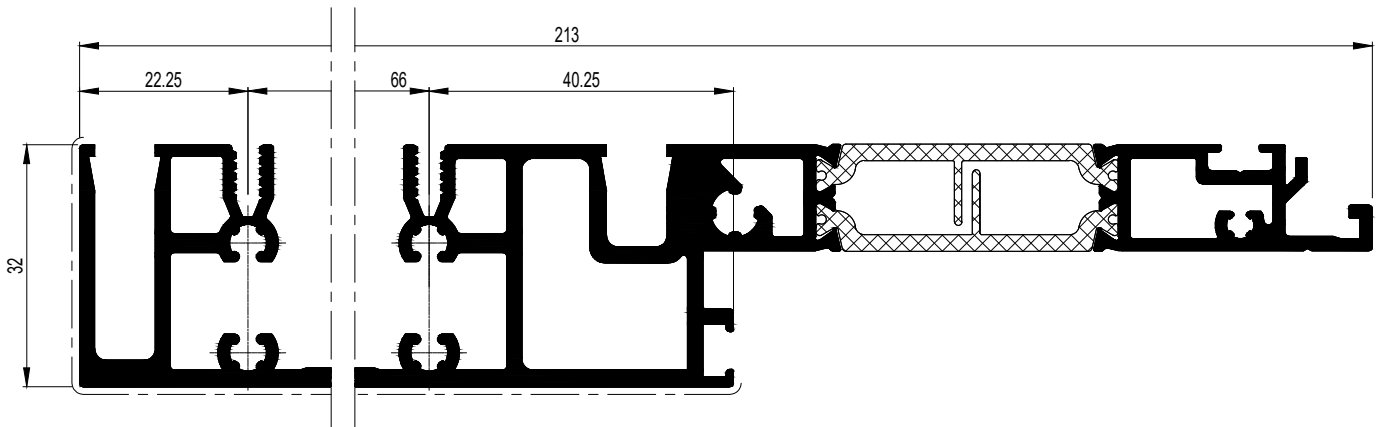
107.0400.XX



107.0401.XX



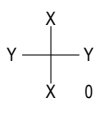
107.0402.XX



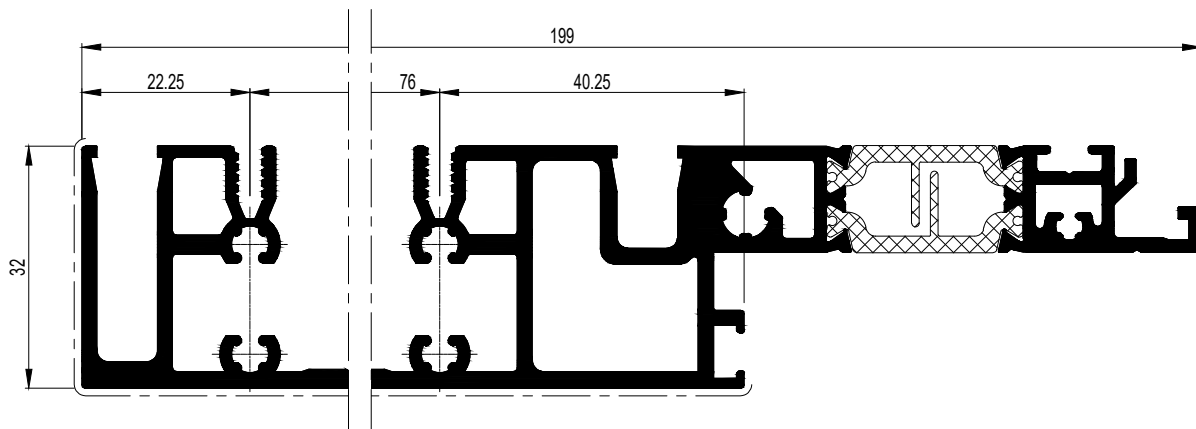
	107.0400.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	107.0401.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

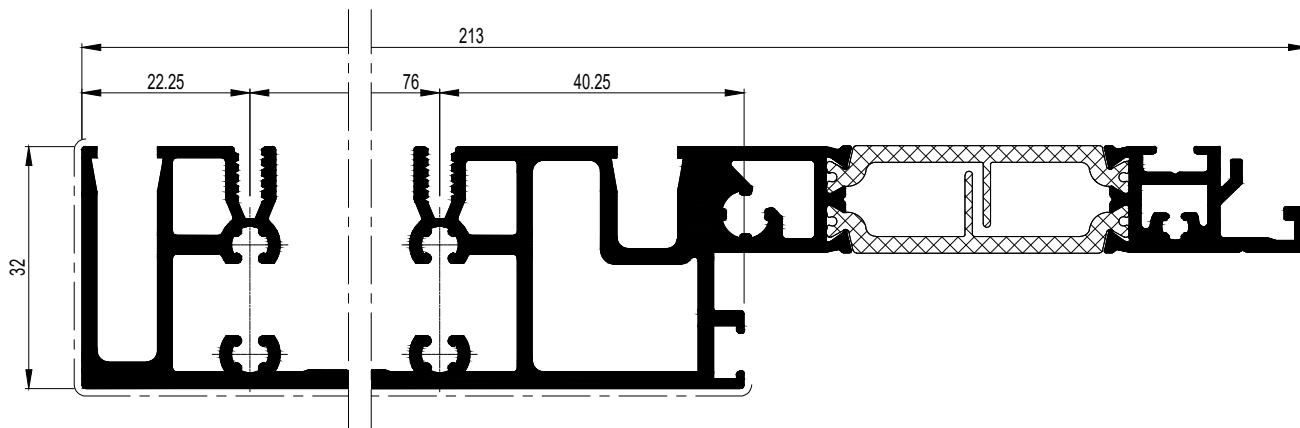
	107.0402.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.3400.XX	79.53	17.1	7.00	337.812	32.359	104.39	14.221	8.567	15.61	
C07.3401.XX	79.53	17.1	7.00	350.145	30.040	116.56	14.221	8.568	15.61	
C07.3402.XX	81.53	17.1	7.00	398.280	32.525	122.45	14.753	9.070	15.94	

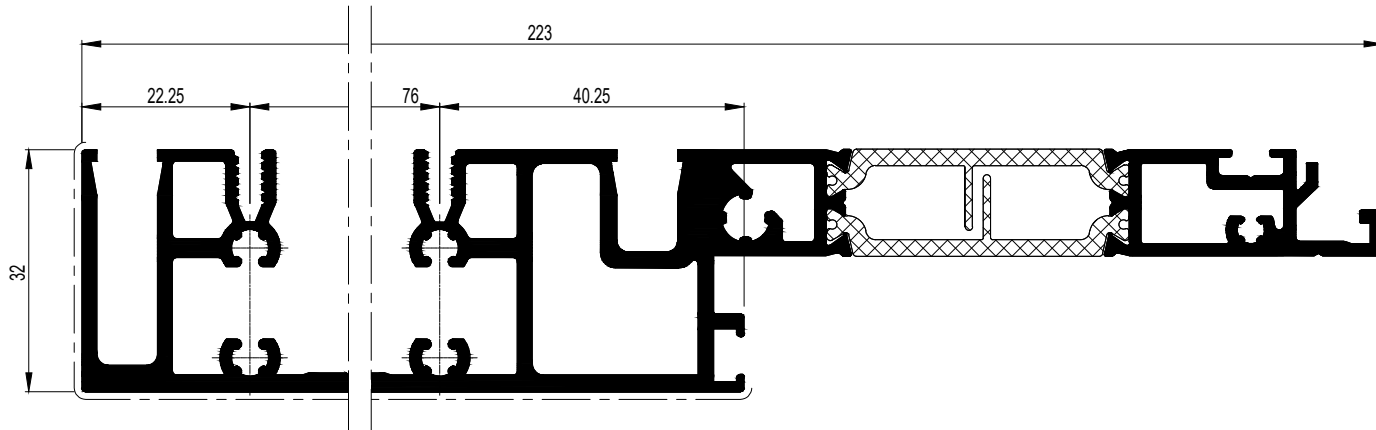
C07.3400.XX



C07.3401.XX



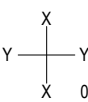
C07.3402.XX



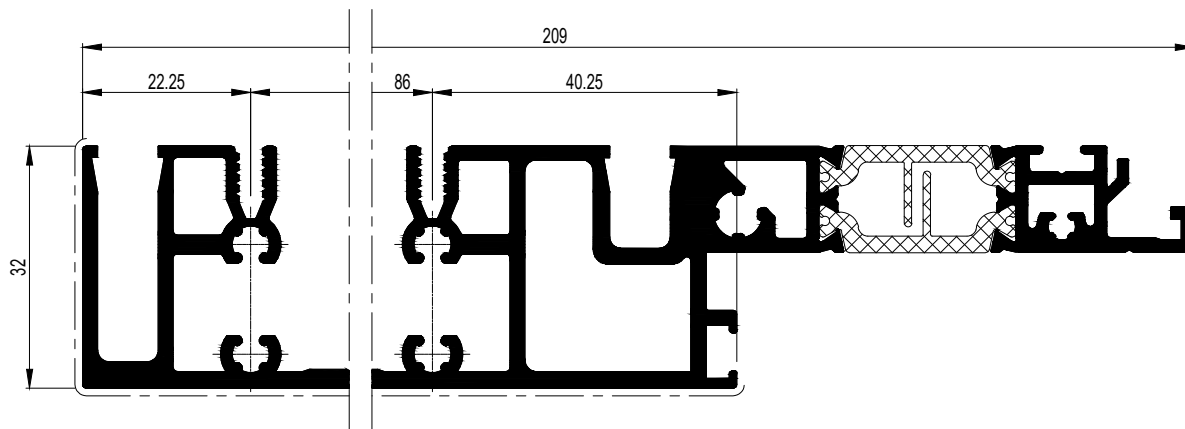
	C07.3400.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	C07.3401.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

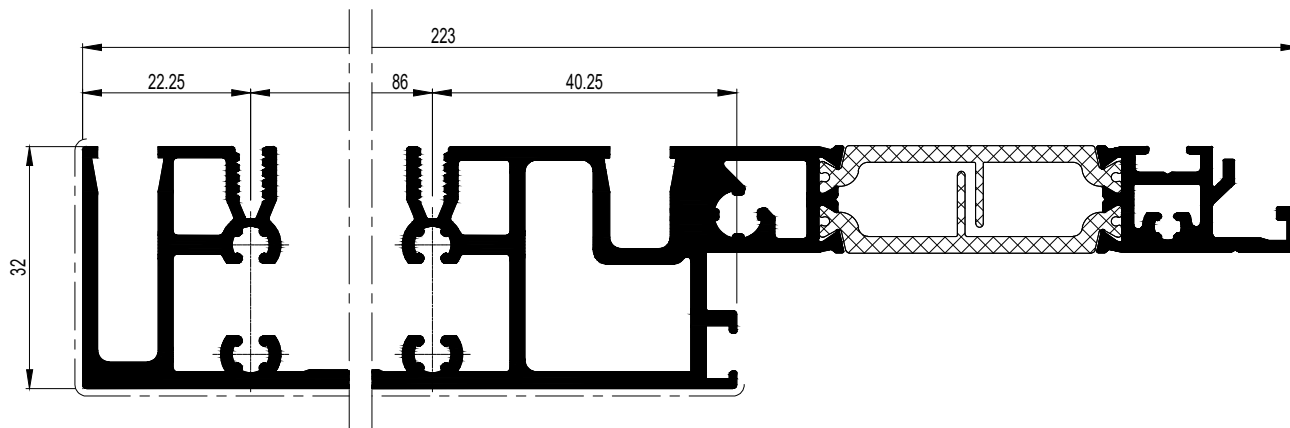
	C07.3402.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.4400.XX	81.53	18.1	7.00	389.147	35.957	108.22	14.669	8.696	15.34	
C07.4401.XX	81.53	18.1	7.00	399.764	33.197	120.42	14.670	8.697	15.34	
C07.4402.XX	83.53	18.1	7.00	450.904	35.709	126.27	15.223	9.208	15.68	

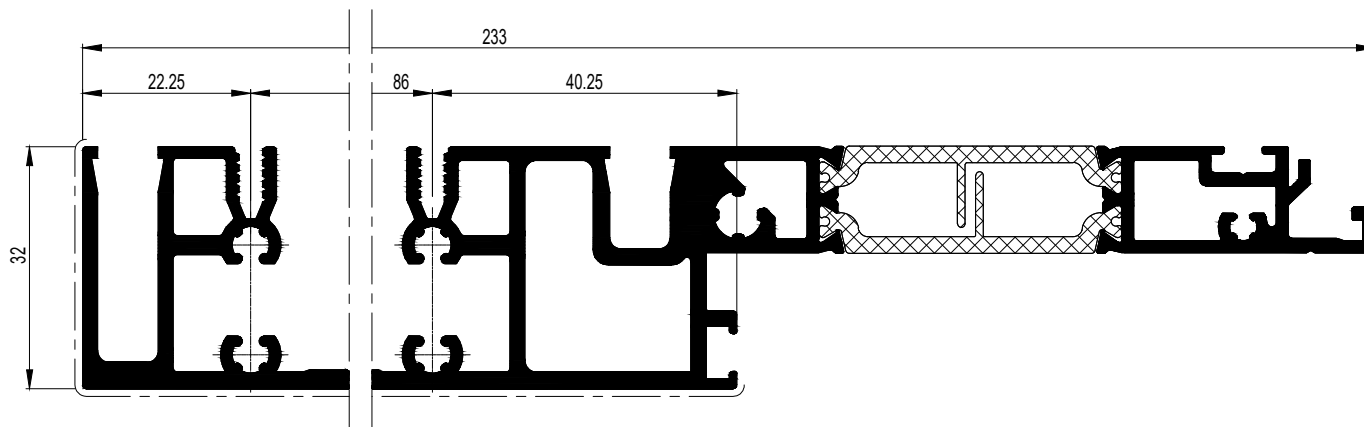
C07.4400.XX



C07.4401.XX



C07.4402.XX



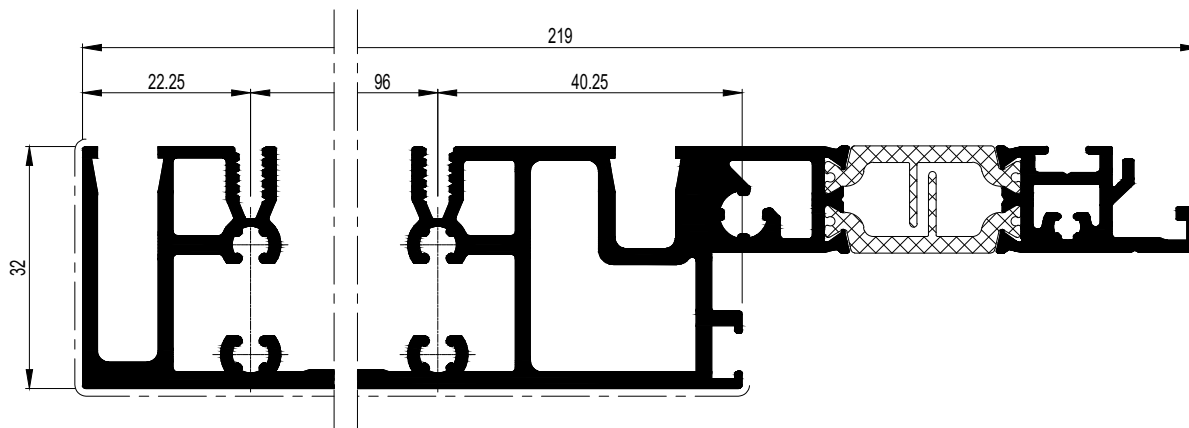
	C07.4400.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	C07.4401.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

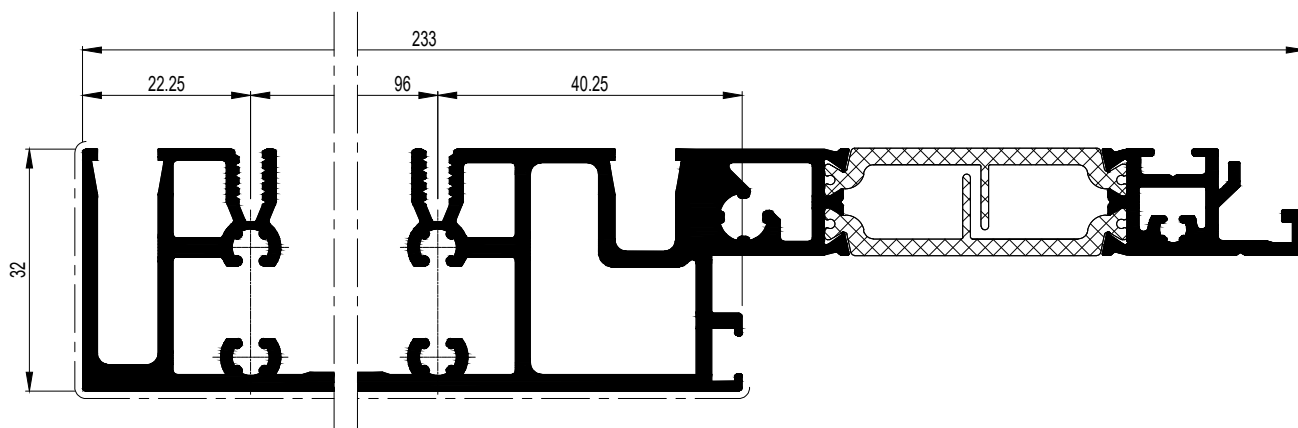
	C07.4402.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.5400.XX	83.53	19.1	7.00	445.218	39.717	112.10	15.102	8.817	15.08	
C07.5401.XX	83.53	19.1	7.00	453.857	36.504	124.33	15.103	8.818	15.08	
C07.5402.XX	85.53	19.1	7.00	508.124	39.046	130.13	15.677	9.337	15.42	

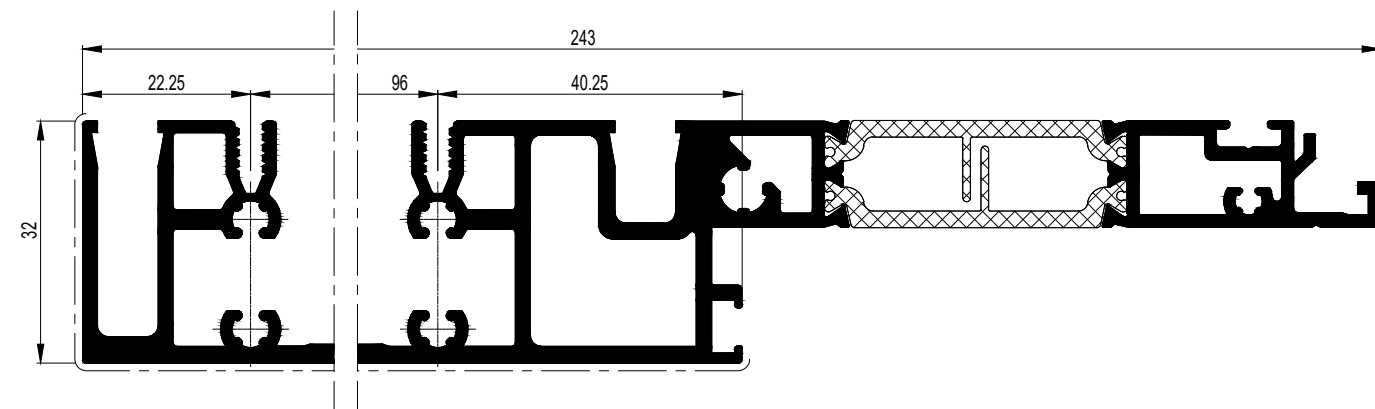
C07.5400.XX



C07.5401.XX



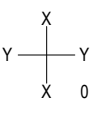
C07.5402.XX



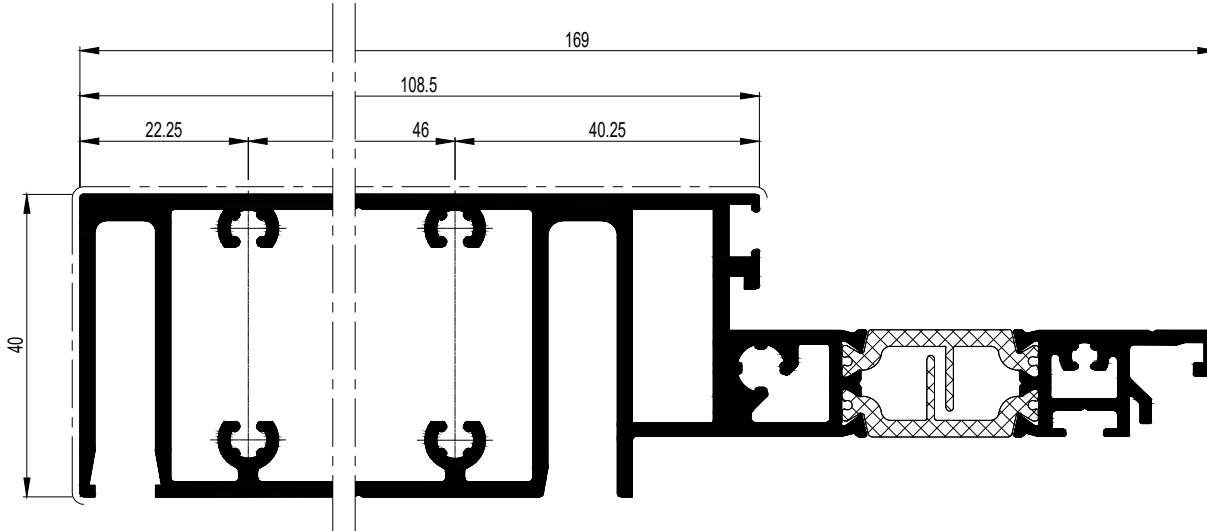
	C07.5400.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	C07.5401.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

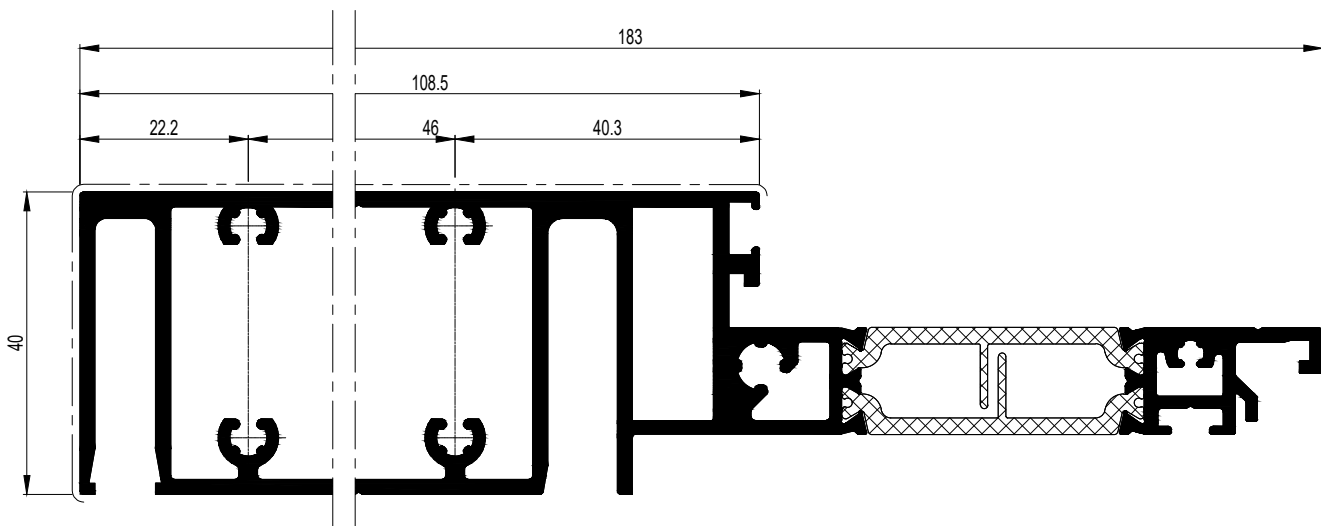
	C07.5402.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
C07.1420.XX	58.04	14.9	7.00	221.621	23.201	95.52	21.072	10.227	20.60	
C07.1421.XX	58.04	14.9	7.00	237.778	22.082	107.68	21.071	10.226	20.61	
C07.1422.XX	60.04	14.9	7.00	279.406	24.544	113.84	21.355	10.470	20.40	

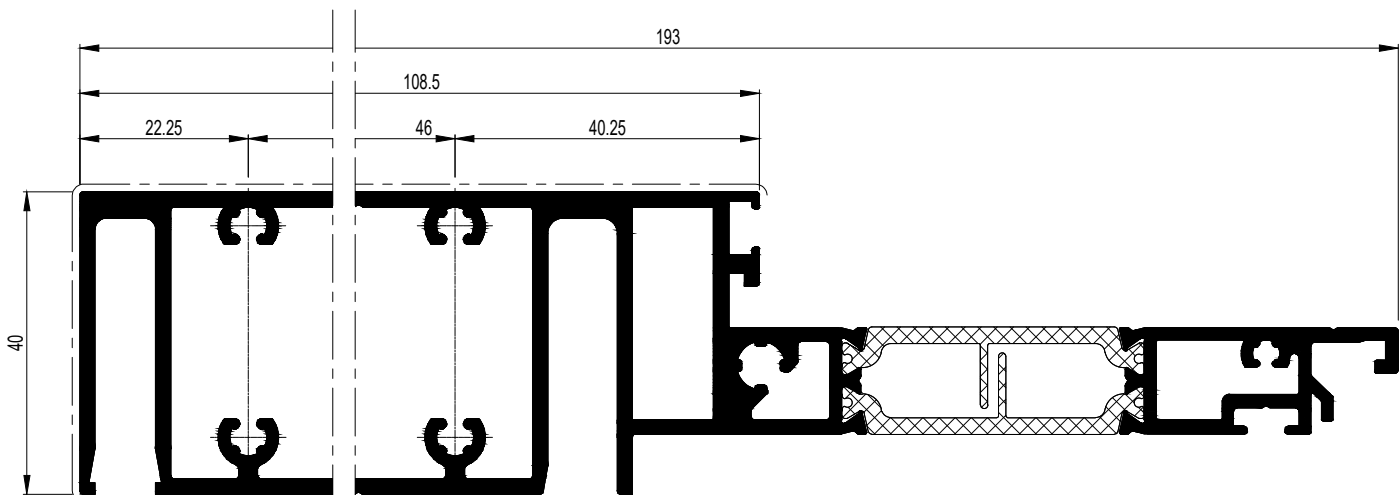
C07.1420.XX



C07.1421.XX



C07.1422.XX



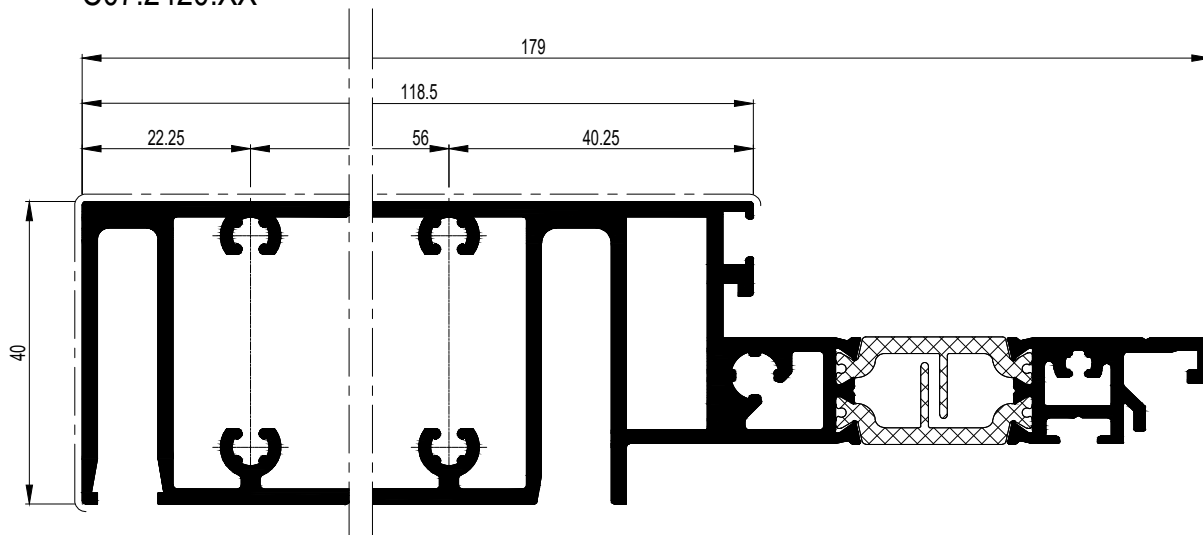
	C07.1420.XX	
	152.5301 -- (4x)	---
	152.5381 -- (1x)	
	152.5201 -- (1x)	

	C07.1421.XX	
	152.5301 -- (4x)	---
	152.5381 -- (1x)	
	152.5201 -- (1x)	

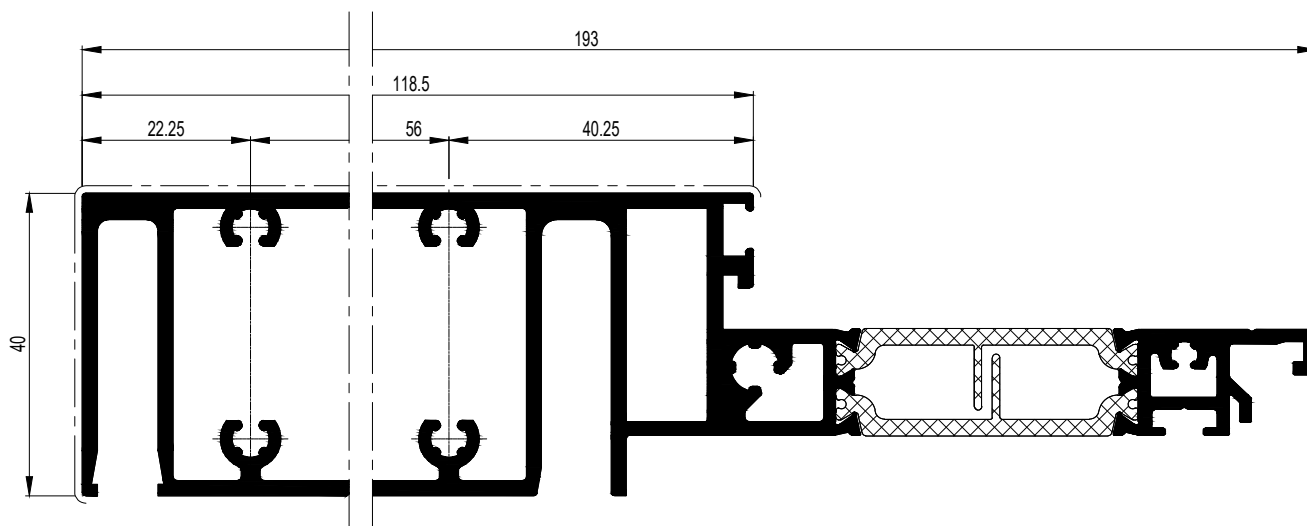
	C07.1422.XX	
	152.5301 -- (4x)	---
	152.5381 -- (1x)	
	152.5201 -- (1x)	

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.2420.XX	60.04	15.9	7.00	262.598	26.328	99.74	22.518	10.938	20.59	
C07.2421.XX	60.04	15.9	7.00	277.786	24.811	111.96	22.518	10.937	20.59	
C07.2422.XX	62.04	15.9	7.00	322.539	27.308	118.11	22.801	11.184	20.39	

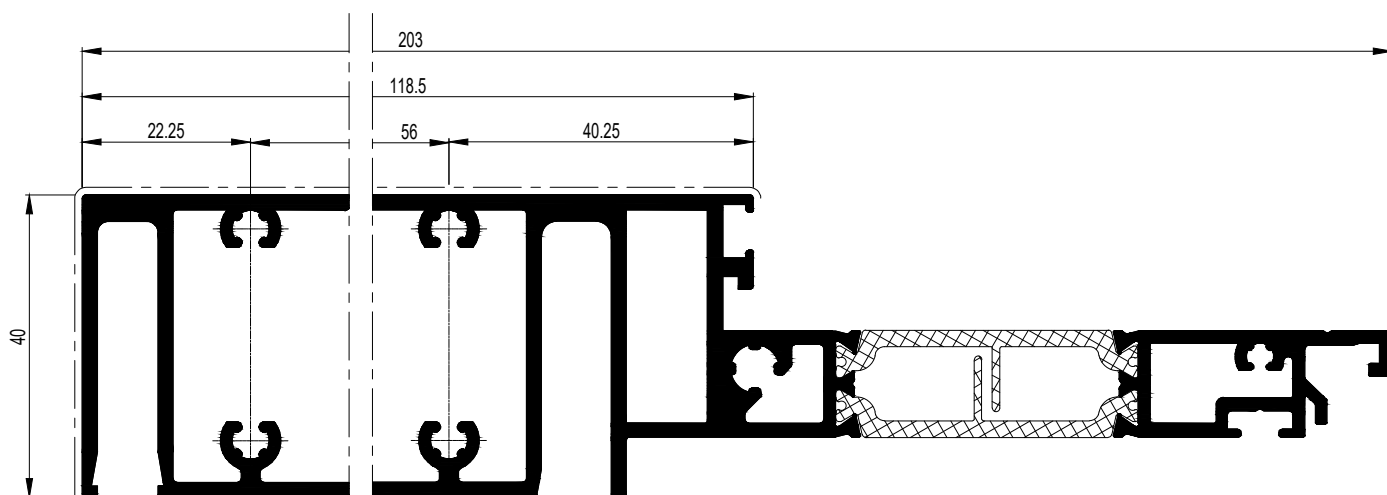
C07.2420.XX



C07.2421.XX



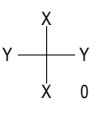
C07.2422.XX



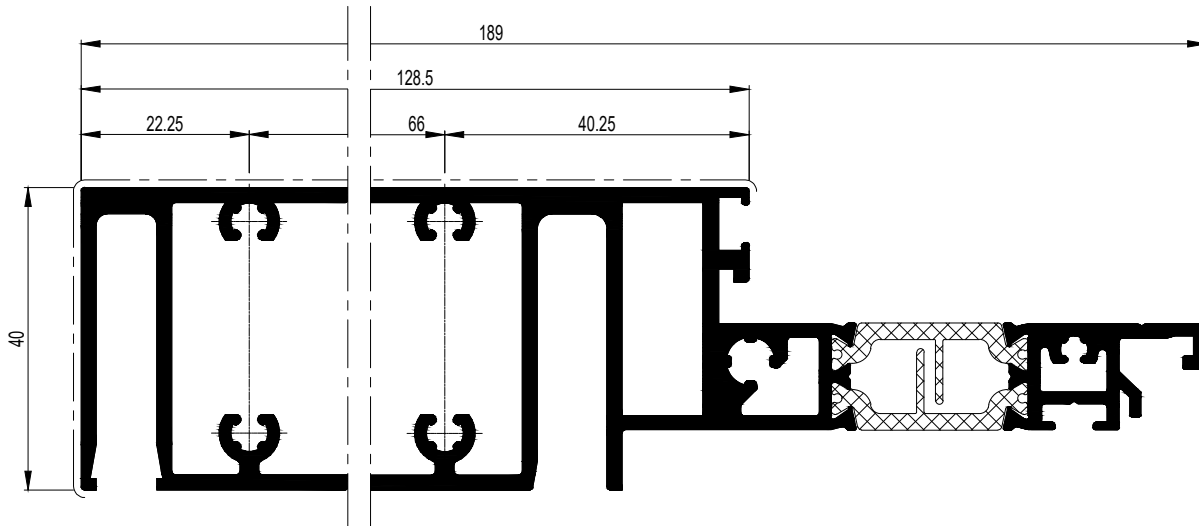
	C07.2420.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	C07.2421.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

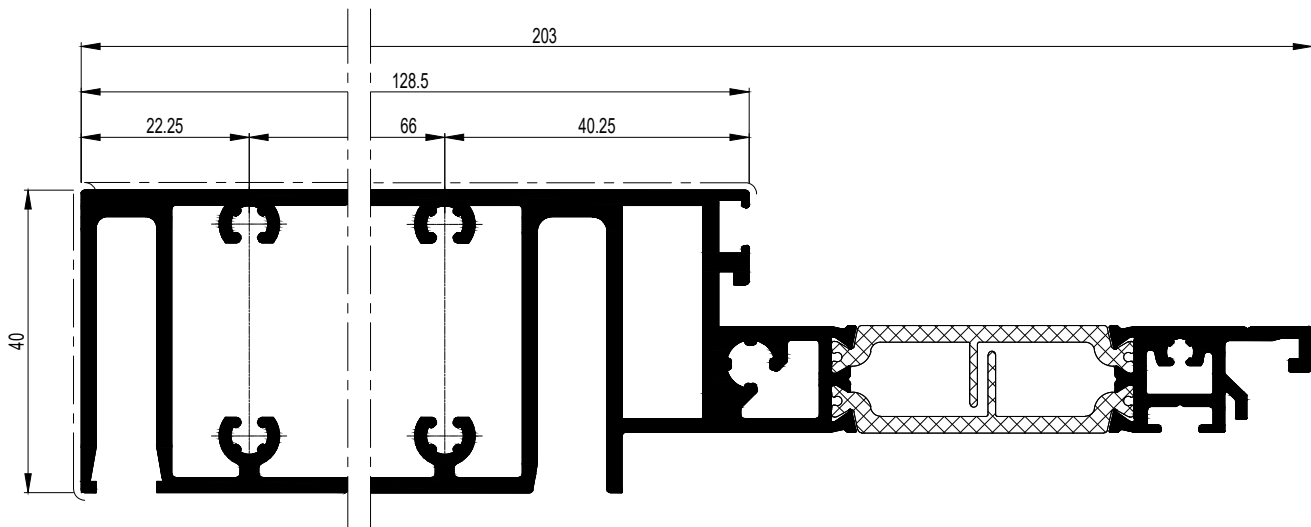
	C07.2422.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
107.0420.XX	68.27	16.9	7.00	308.514	29.662	104.01	23.964	11.649	20.57	
107.0421.XX	68.27	16.9	7.00	322.459	27.730	116.29	23.964	11.649	20.57	
107.0422.XX	70.27	16.9	7.00	370.483	30.260	122.43	24.246	11.898	20.38	

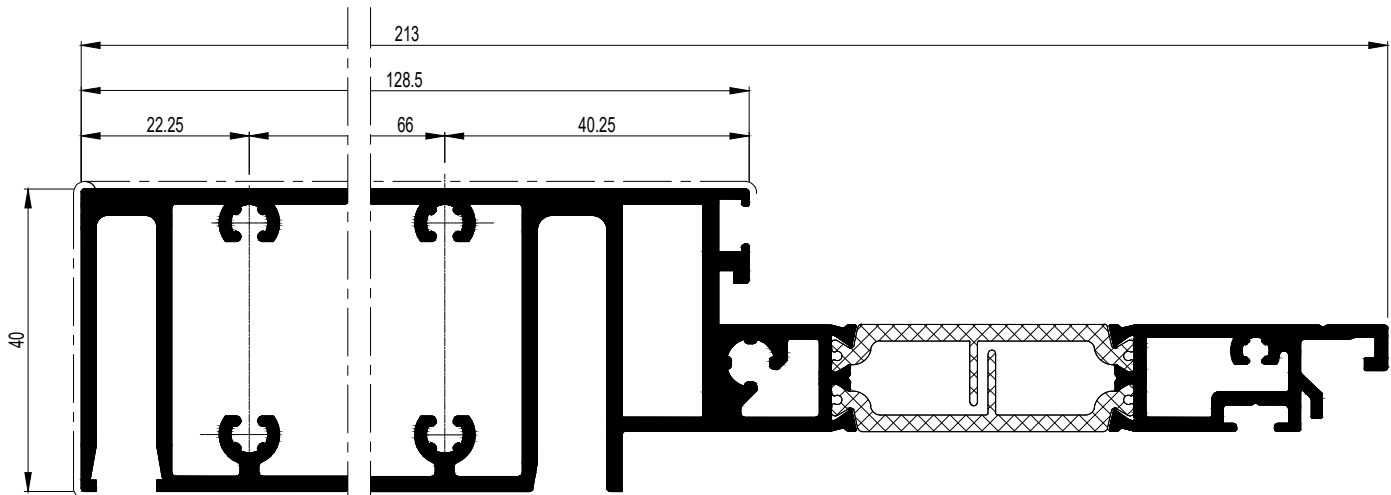
107.0420.XX



107.0421.XX



107.0422.XX



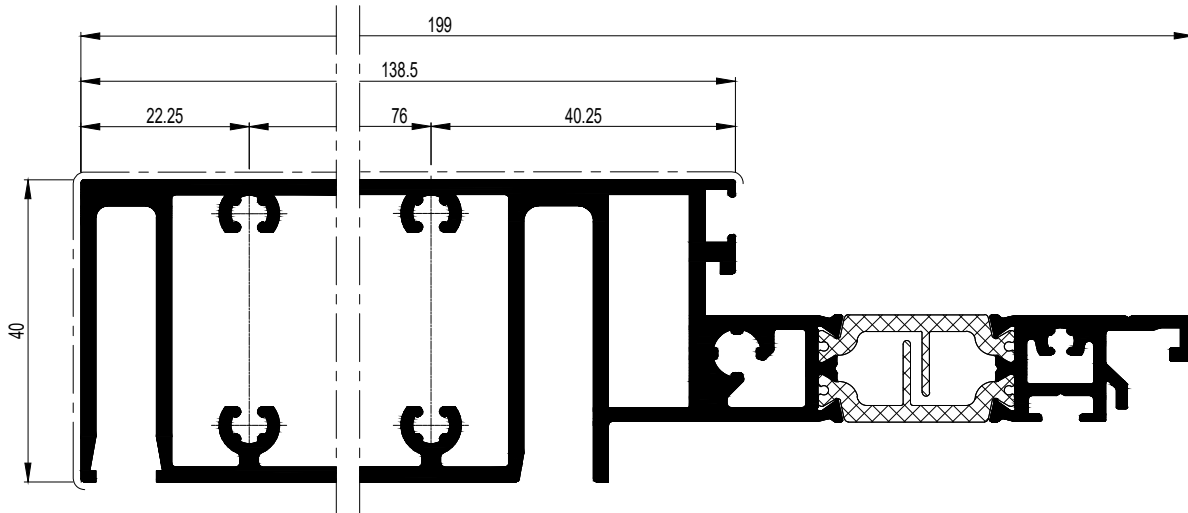
	107.0420.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	107.0421.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

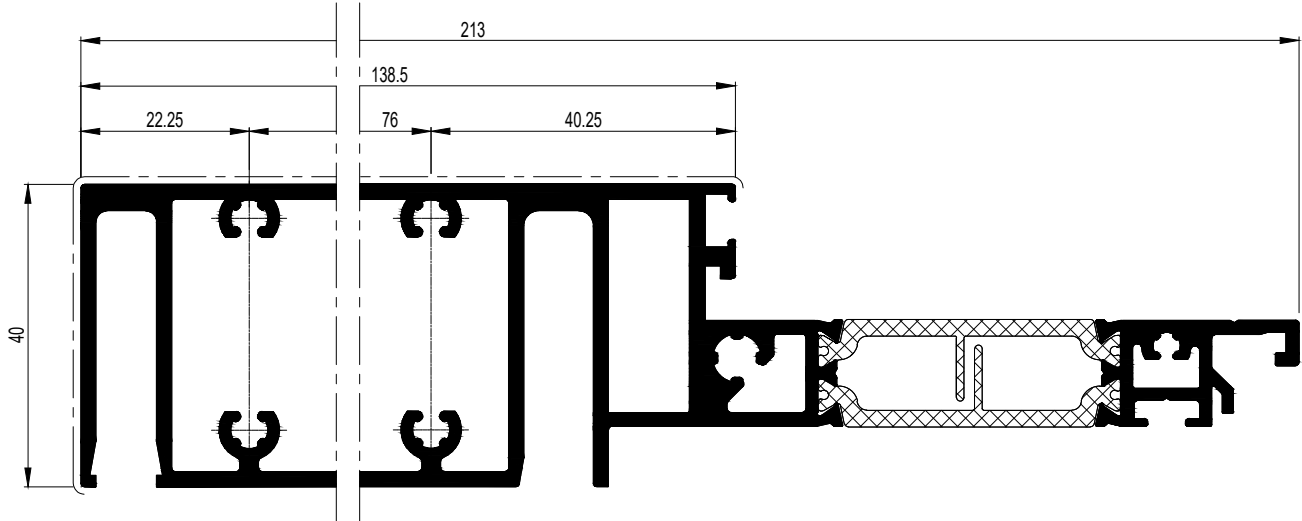
	107.0422.XX	
	152.5301-- (4x) 152.5381-- (1x) 152.5201-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.3420.XX	64.04	17.9	7.00	359.551	33.191	108.33	25.411	12.361	20.56	
C07.3421.XX	64.04	17.9	7.00	371.967	30.828	120.66	25.410	12.360	20.56	
C07.3422.XX	66.04	17.9	7.00	423.408	33.393	126.80	25.692	12.613	20.37	

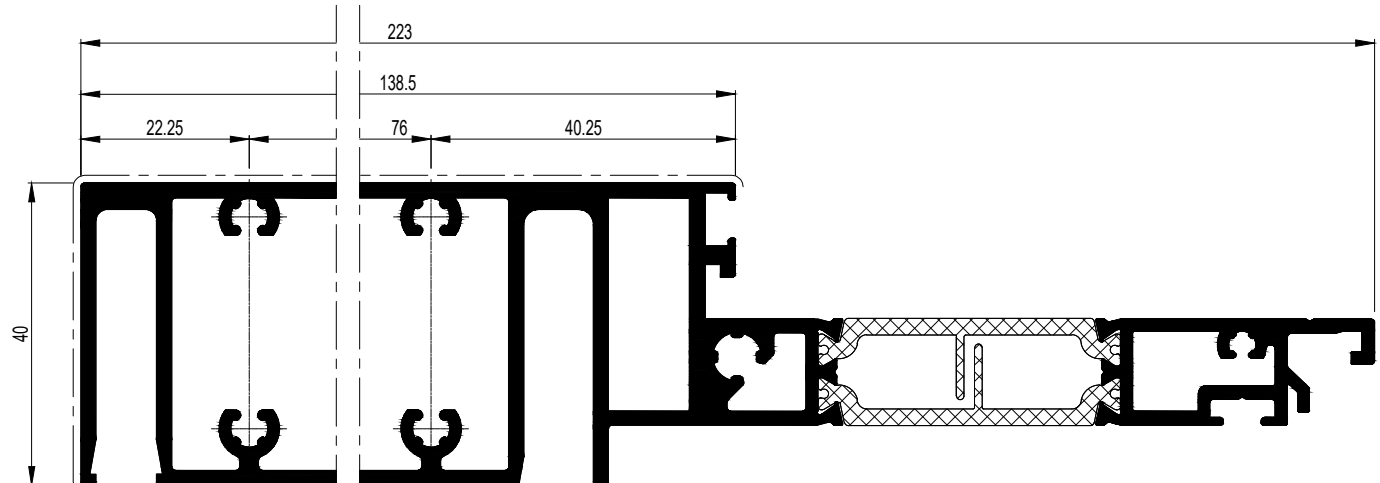
C07.3420.XX



C07.3421.XX



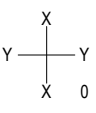
C07.3422.XX



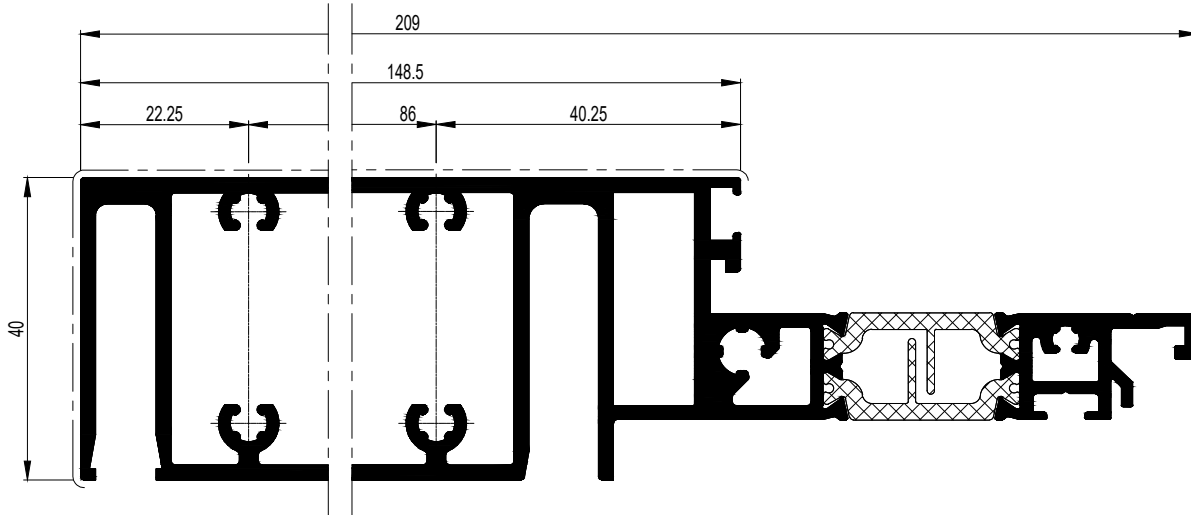
	C07.3420.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	C07.3421.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

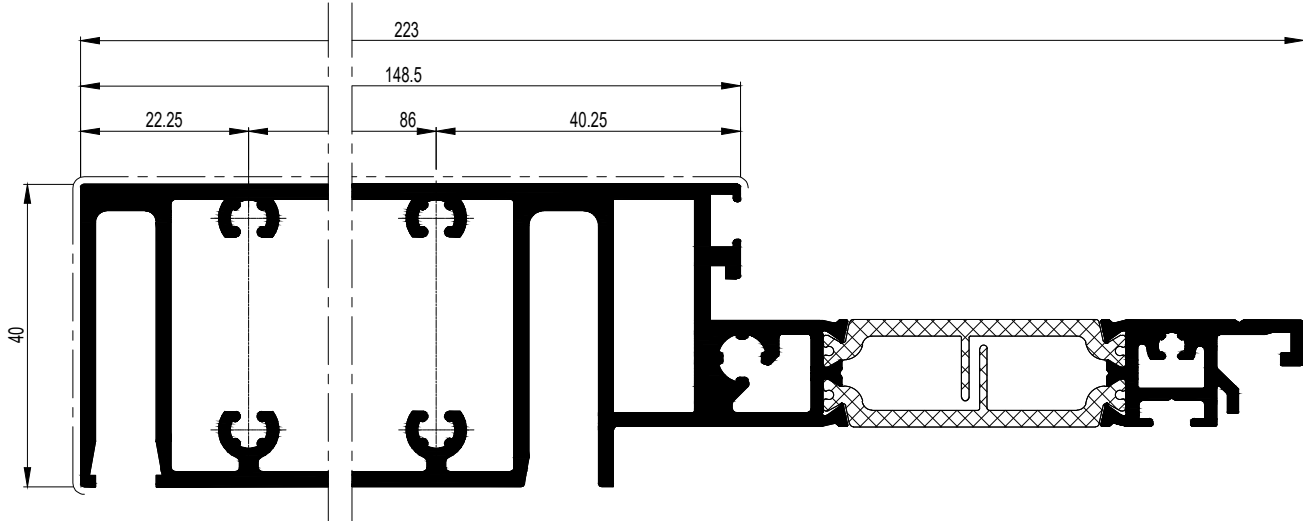
	C07.3422.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.4420.XX	66.04	18.9	7.00	415.888	36.907	112.68	26.857	13.073	20.54	
C07.4421.XX	66.04	18.9	7.00	426.476	34.100	125.07	26.856	13.073	20.54	
C07.4422.XX	68.04	18.9	7.00	481.482	36.700	131.20	27.138	13.328	20.36	

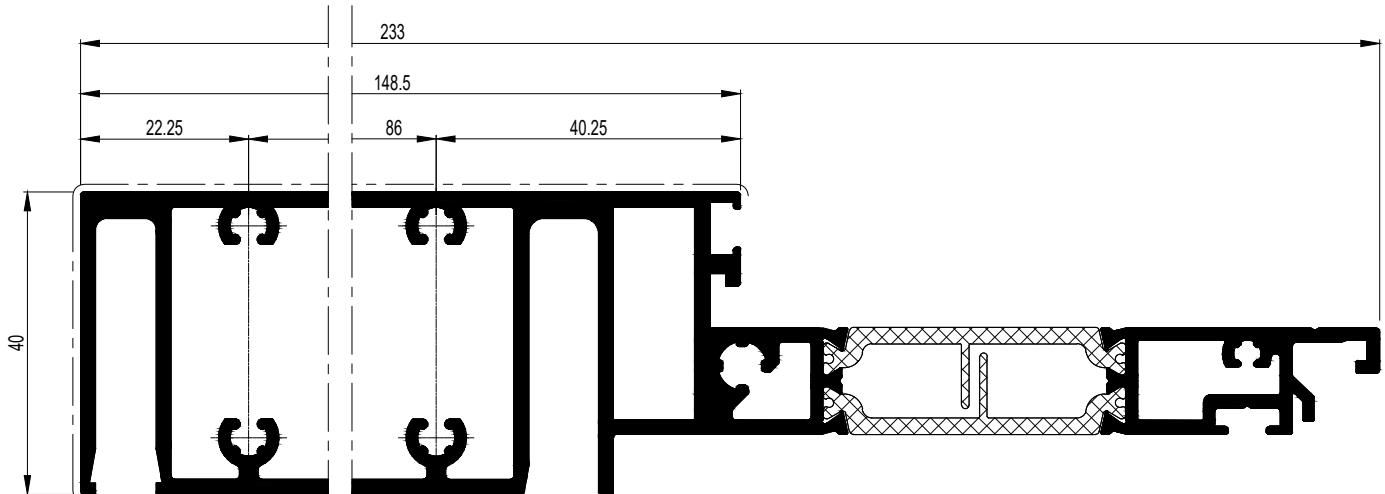
C07.4420.XX



C07.4421.XX



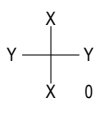
C07.4422.XX



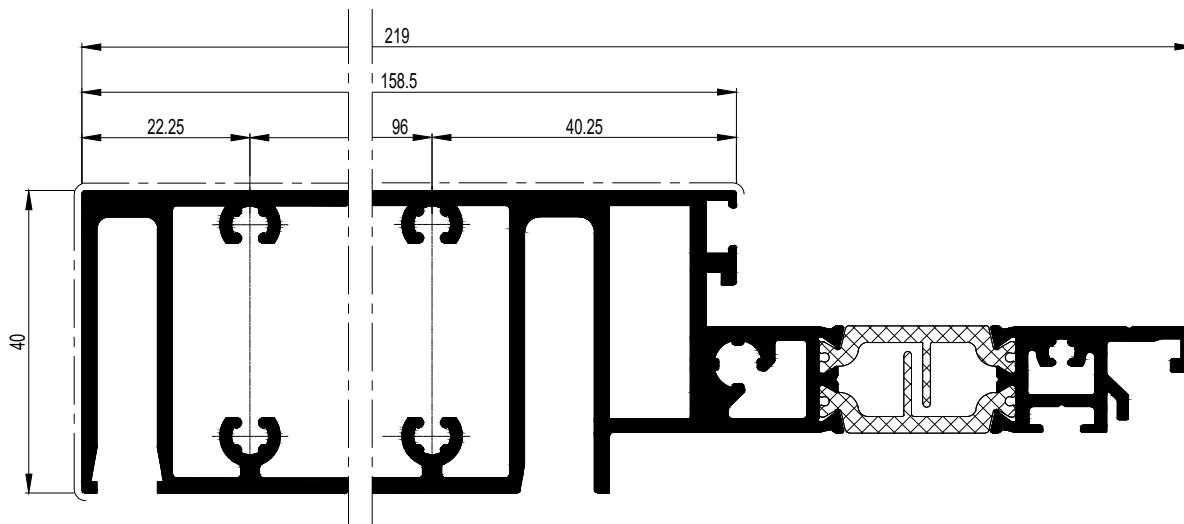
	C07.4420.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	C07.4421.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

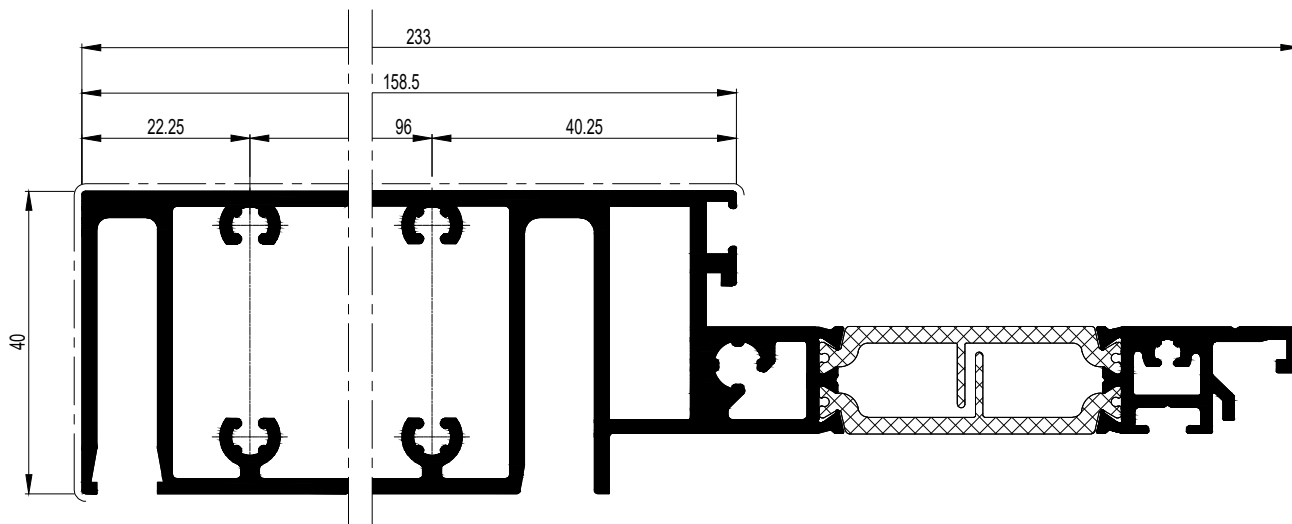
	C07.4422.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.5420.XX	68.04	19.9	7.00	477.704	40.802	117.08	28.303	13.786	20.53	
C07.5421.XX	68.04	19.9	7.00	486.154	37.538	129.51	28.302	13.785	20.53	
C07.5422.XX	70.04	19.9	7.00	544.871	40.174	135.63	28.583	14.043	20.35	

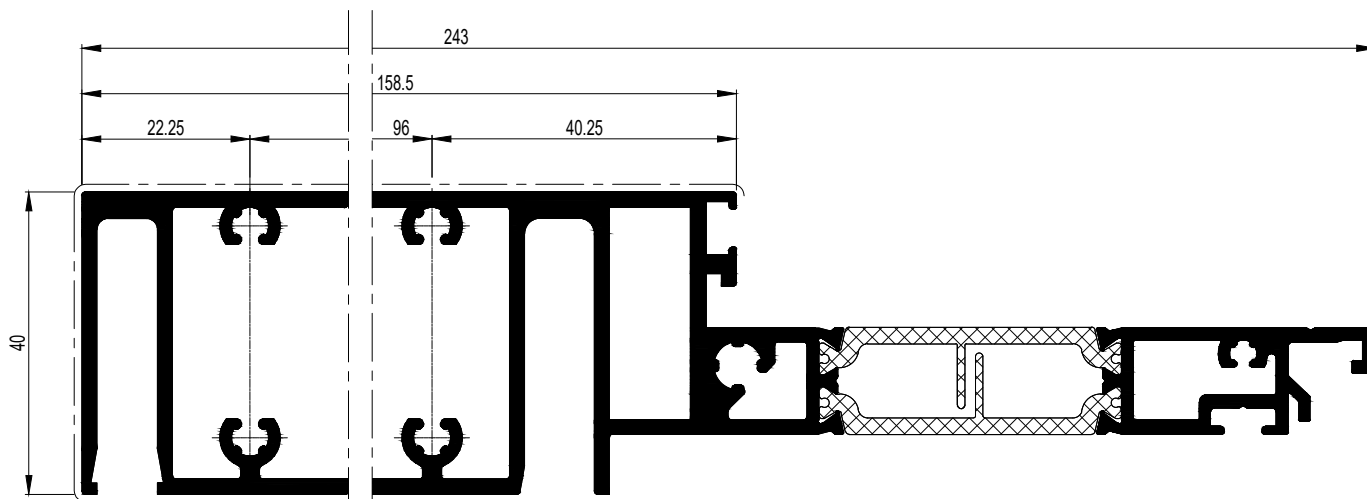
C07.5420.XX



C07.5421.XX



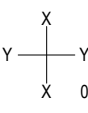
C07.5422.XX



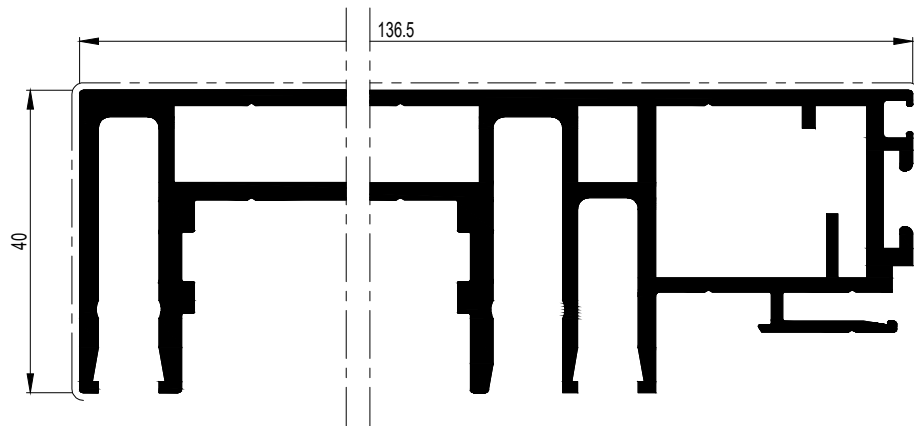
	C07.5420.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	C07.5421.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

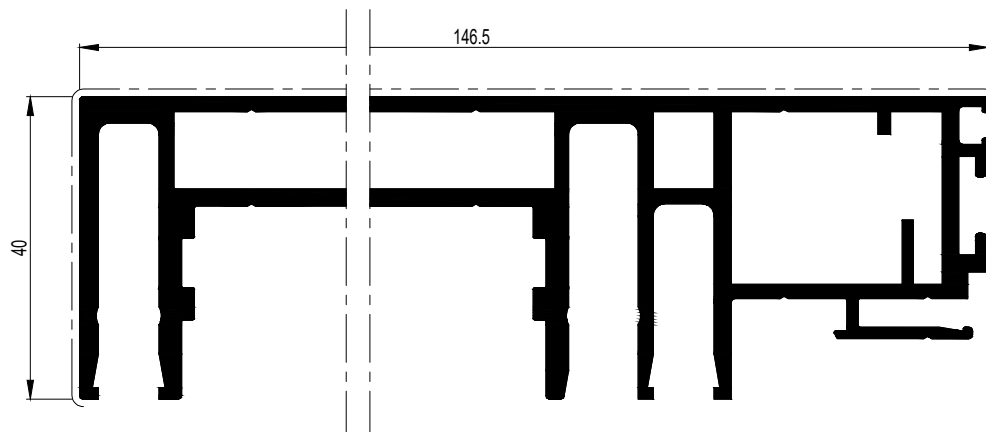
	C07.5422.XX	
	152.5301 -- (4x) 152.5381 -- (1x) 152.5201 -- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.1501.XX	67.74	17.7	7.00	216.079	31.573	68.06	14.914	5.915	25.21	
C07.2501.XX	69.74	18.7	7.00	262.234	35.327	72.58	15.293	5.978	25.58	
107.0501.XX	71.74	19.7	7.00	314.151	39.333	76.94	15.656	6.062	25.83	

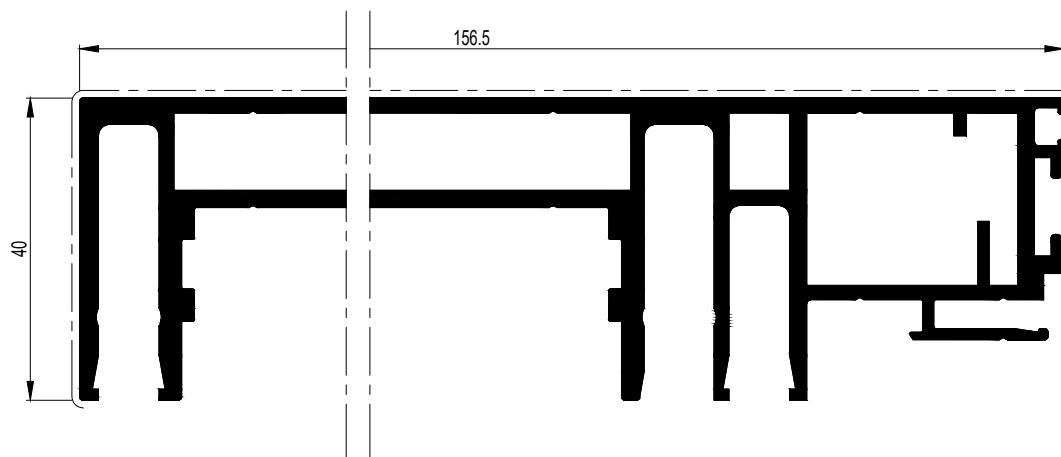
C07.1501.XX



C07.2501.XX



107.0501.XX



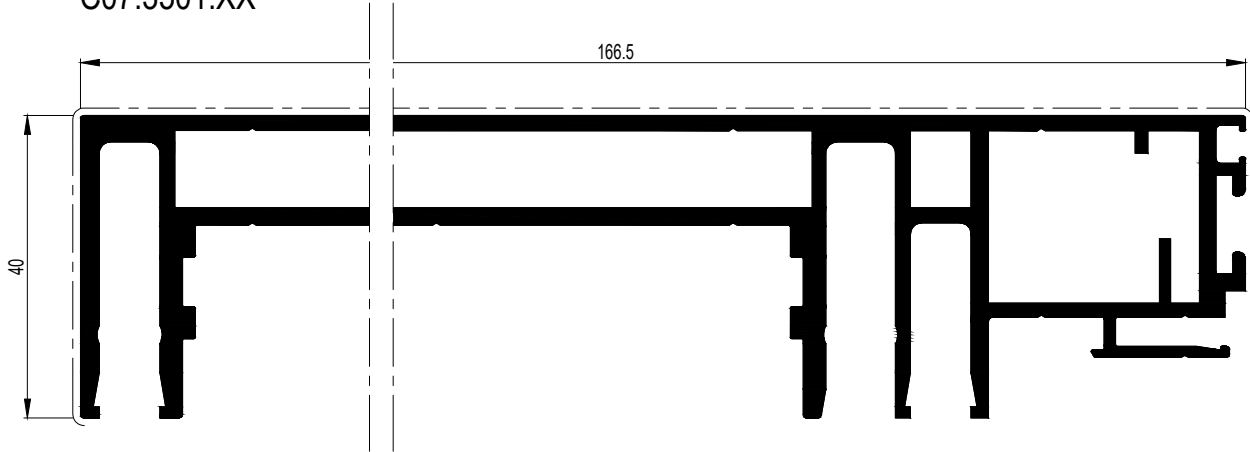
	C07.1501.XX	
	C68.1522.00 168.6520.00 160.6523.00	095.B500.00
	C68.1522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

	C07.2501.XX	
	C68.2522.00 168.6520.00 160.6523.00	095.B500.00
	C68.2522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

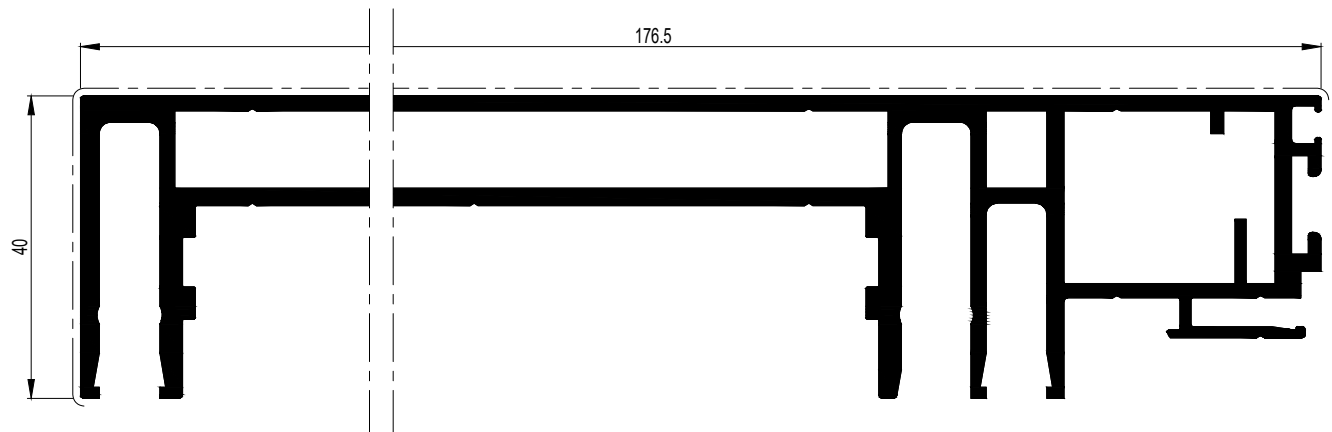
	107.0501.XX	
	168.6522.00 168.6520.00 160.6523.00	095.B500.00
	168.6522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x cm^4$	$W_x cm^3$	$a_x mm$	$I_y cm^4$	$W_y cm^3$	$a_y mm$	
C07.3501.XX	73.74	20.7	7.00	372.056	43.532	81.34	16.006	6.143	26.05	
C07.4501.XX	75.74	21.7	7.00	436.173	47.919	85.79	16.343	6.222	26.27	
C07.5501.XX	77.74	22.7	7.00	506.726	52.486	90.27	16.670	6.299	26.47	

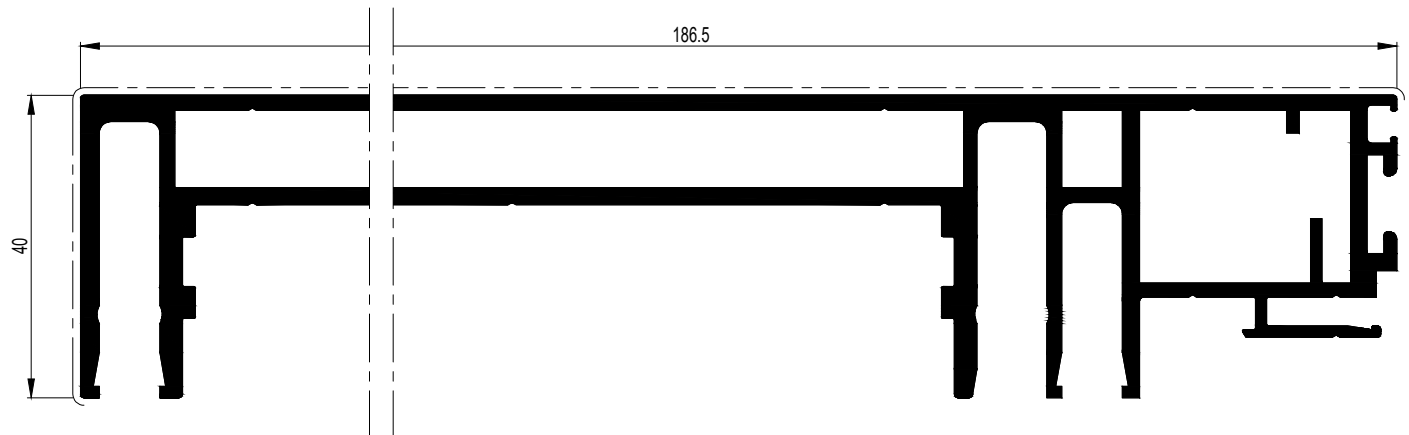
C07.3501.XX



C07.4501.XX



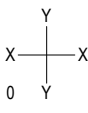
C07.5501.XX



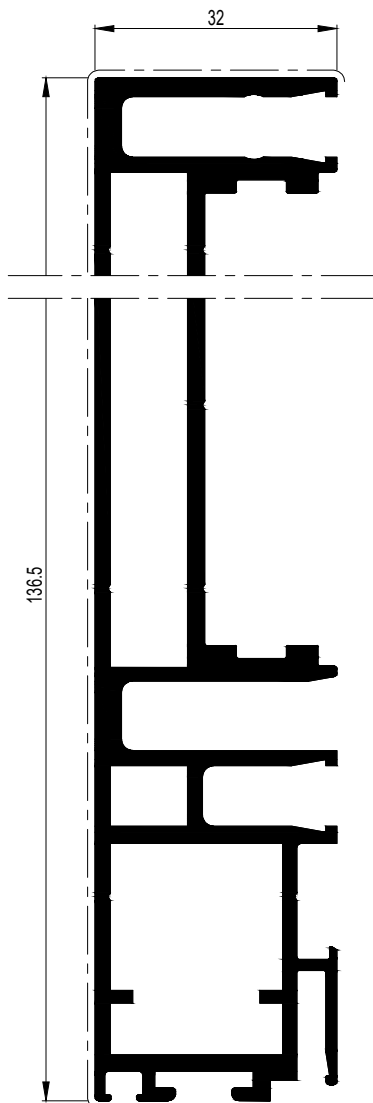
	C07.3501.XX	
	C68.3522.00 168.6520.00 160.6523.00	095.B500.00
	C68.3522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

	C07.4501.XX	
	C68.4522.00 168.6520.00 160.6523.00	095.B500.00
	C68.4522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

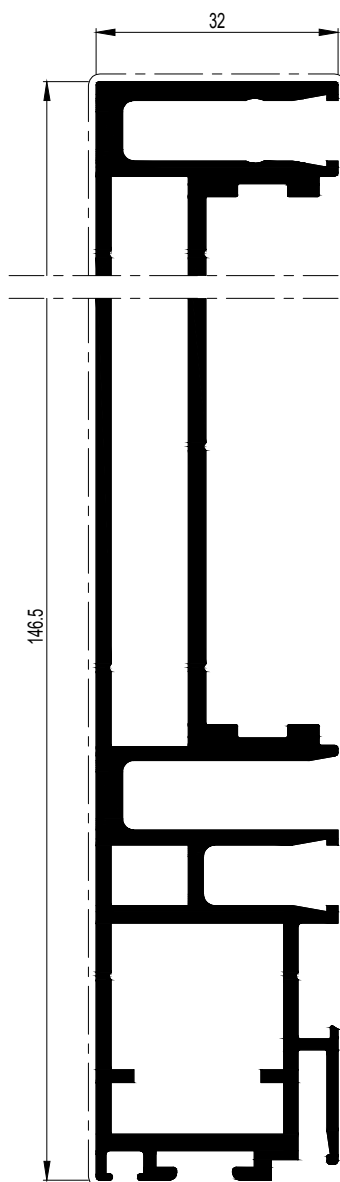
	C07.5501.XX	
	C68.5522.00 168.6520.00 160.6523.00	095.B500.00
	C68.5522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1510.XX	59.69	16.9	7.00	192.780	27.706	66.92	9.937	5.131	12.63	
C07.2510.XX	61.69	17.9	7.00	233.989	31.073	71.51	10.207	5.188	12.53	
107.0510.XX	63.69	18.9	7.00	280.421	34.674	75.94	10.468	5.270	12.34	

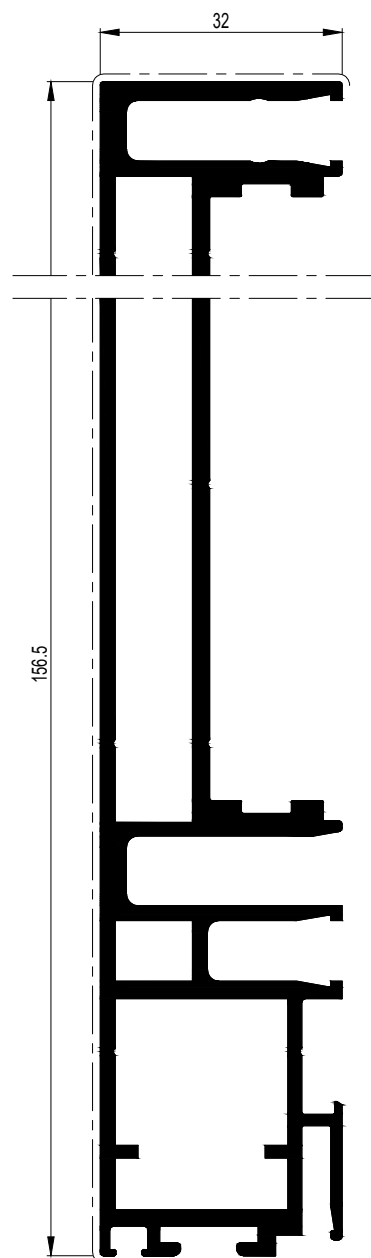
C07.1510.XX



C07.2510.XX



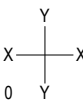
107.0510.XX



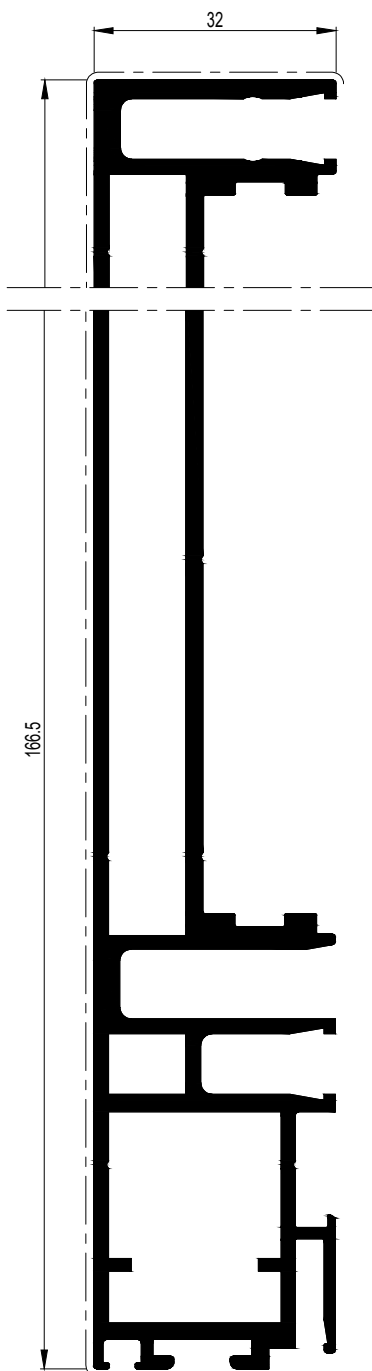
	C07.1510.XX	
	C68.1522.00 168.6520.00 160.6523.00	095.B500.00
	C68.1522.00 168.6520.00 160.6523.00 050.5091-- (4x)	---

	C07.2510.XX	
	C68.2522.00 168.6520.00 160.6523.00	095.B500.00
	C68.2522.00 168.6520.00 160.6523.00 050.5091-- (4x)	---

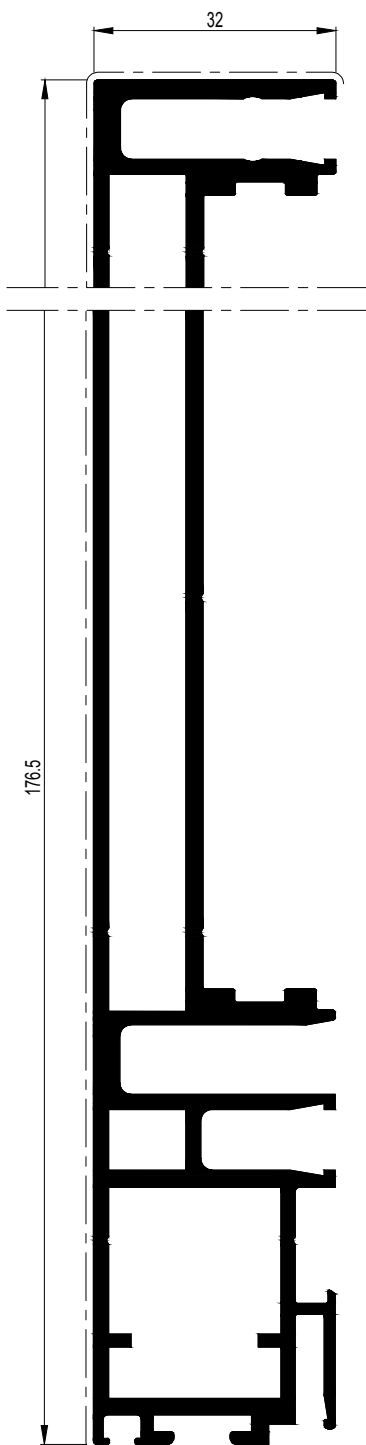
	107.0510.XX	
	168.6522.00 168.6520.00 160.6523.00	095.B500.00
	168.6522.00 168.6520.00 160.6523.00 050.5091-- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x cm^4$	$W_x cm^3$	$a_x mm$	$I_y cm^4$	$W_y cm^3$	$a_y mm$	
C07.3510.XX	65.69	19.9	7.00	332.298	38.460	80.41	10.721	5.351	12.17	
C07.4510.XX	67.69	20.9	7.00	389.843	42.425	84.92	10.969	5.430	12.01	
C07.5510.XX	69.69	21.9	7.00	453.277	46.564	89.47	11.210	5.509	11.86	

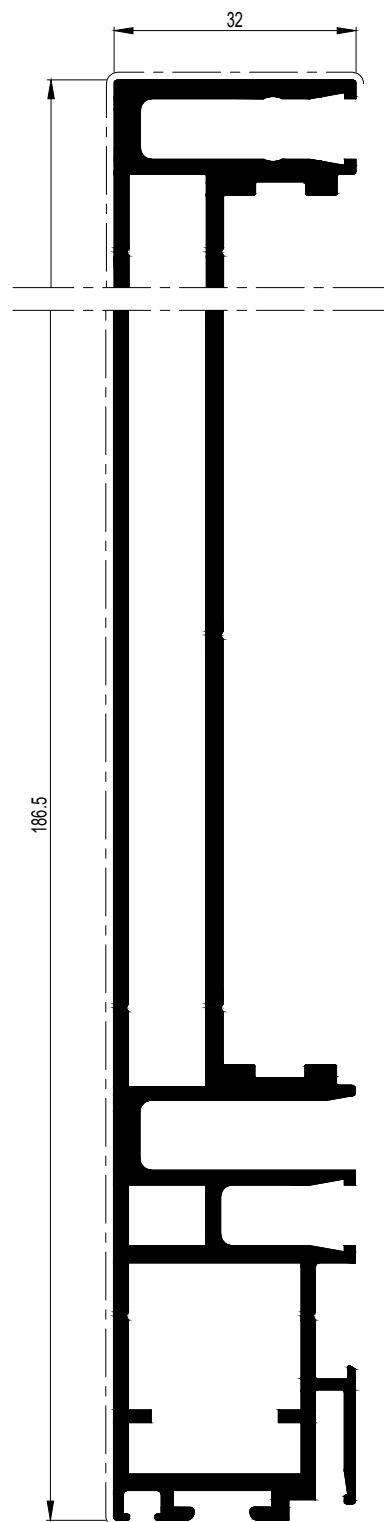
C07.3510.XX



C07.4510.XX



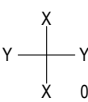
C07.5510.XX



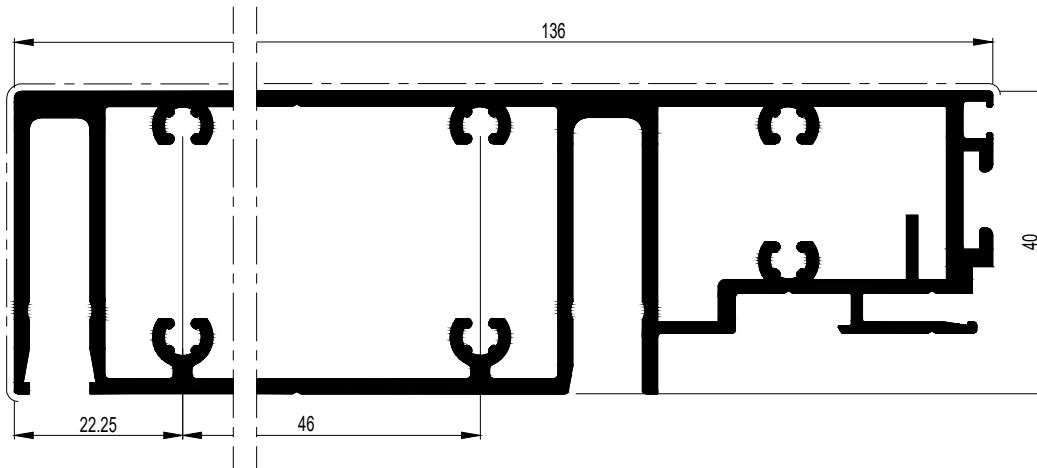
	C07.3510.XX	
	C68.3522.00 168.6520.00 160.6523.00	095.B500.00
	C68.3522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

	C07.4510.XX	
	C68.4522.00 168.6520.00 160.6523.00	095.B500.00
	C68.4522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

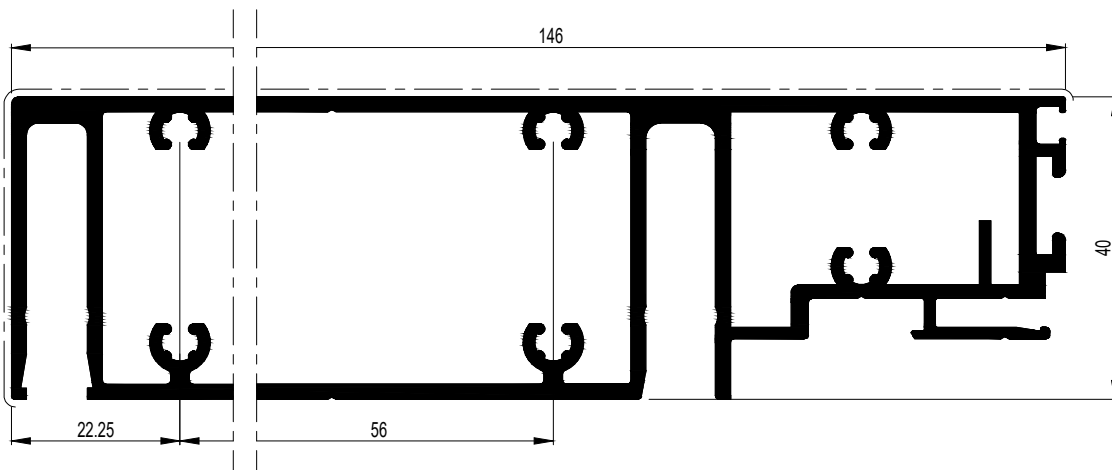
	C07.5510.XX	
	C68.5522.00 168.6520.00 160.6523.00	095.B500.00
	C68.5522.00 168.6520.00 160.6523.00 050.5091 -- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.1521.XX	56.66	17.6	7.00	200.061	29.275	68.08	22.490	10.057	22.36	
C07.2521.XX	58.66	18.6	7.00	242.837	32.799	72.38	23.955	10.752	22.28	
107.0521.XX	60.66	19.6	7.00	291.084	36.527	76.73	25.418	11.447	22.21	

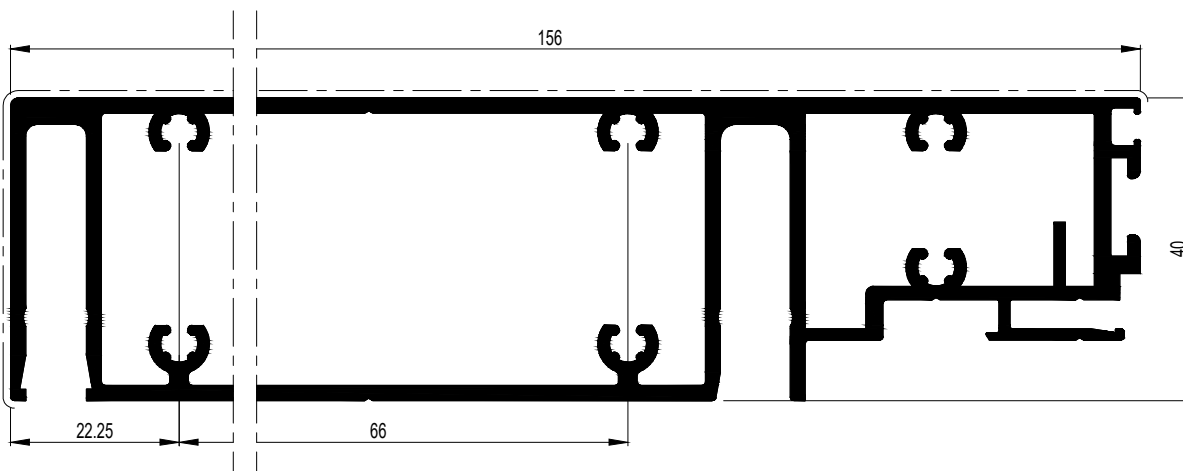
C07.1521.XX



C07.2521.XX



107.0521.XX



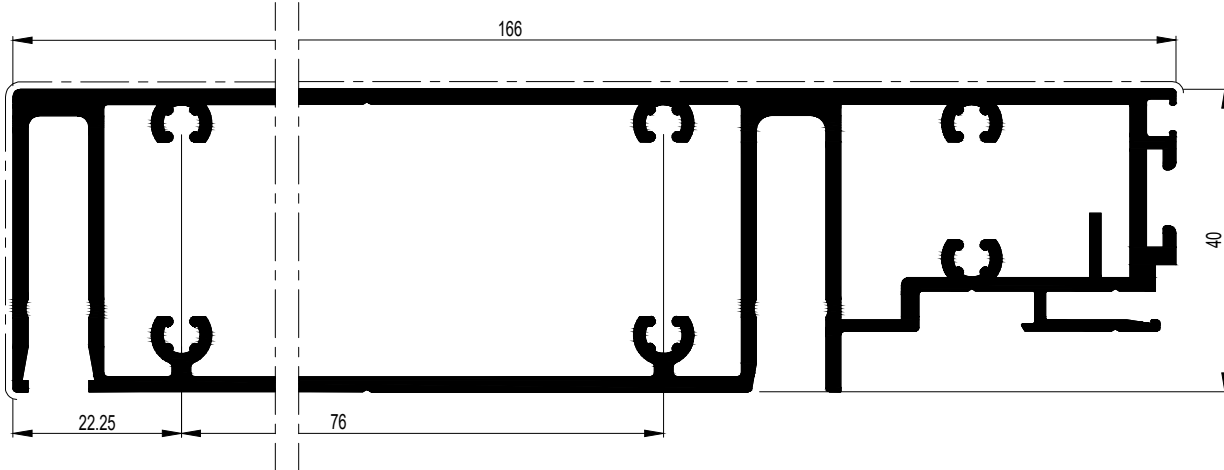
	C07.1521.XX	
	152.5301.-- (5x)	---

	C07.2521.XX	
	152.5301.-- (5x)	---

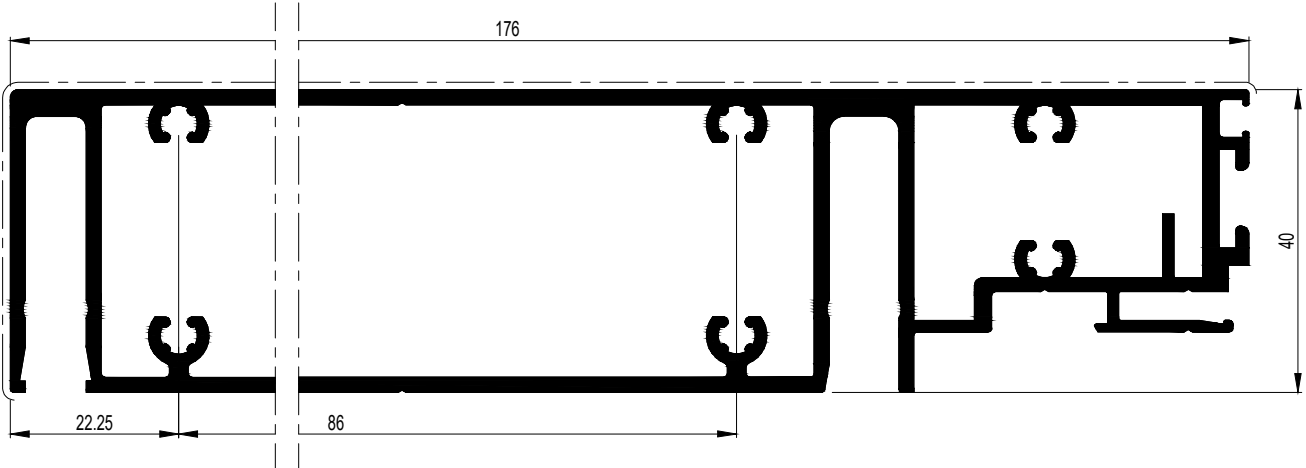
	107.0521.XX	
	152.5301.-- (5x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.3521.XX	62.66	20.6	7.00	345.011	40.448	81.12	26.881	12.144	22.13	
C07.4521.XX	64.66	21.6	7.00	404.827	44.654	85.34	28.342	12.903	21.97	
C07.5521.XX	66.66	22.7	7.00	470.741	48.938	89.81	29.802	13.606	21.90	

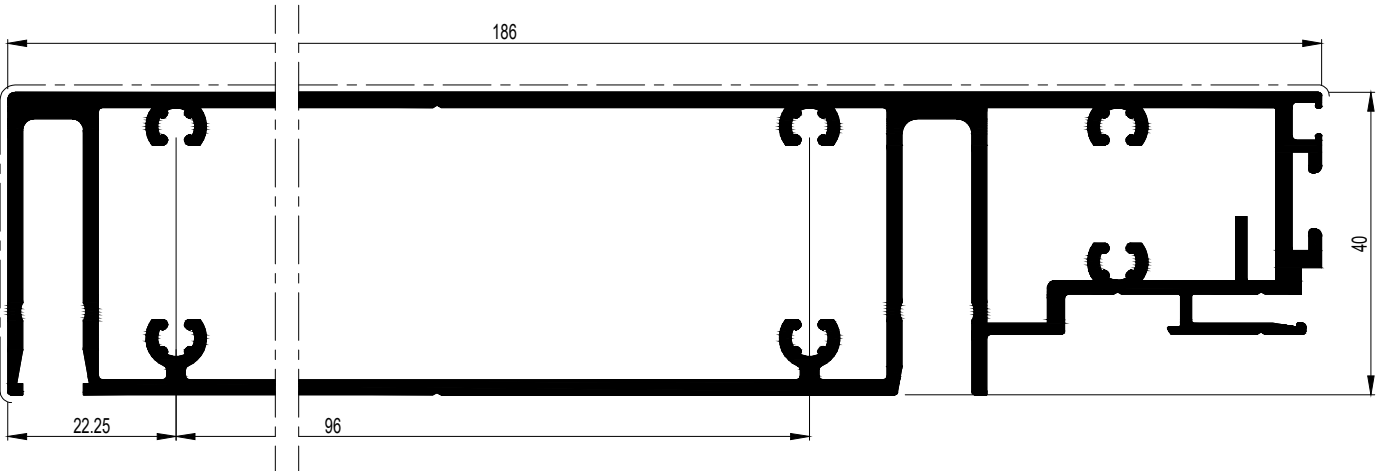
C07.3521.XX



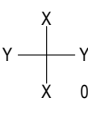
C07.4521.XX



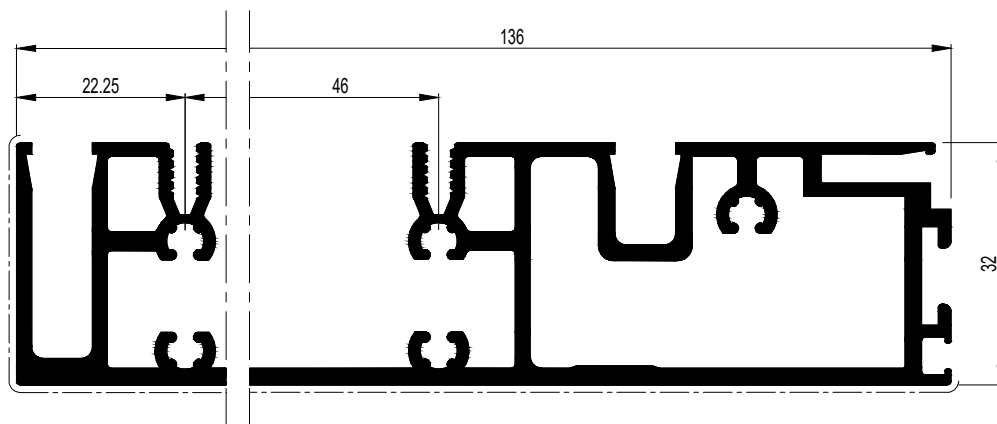
C07.5521.XX



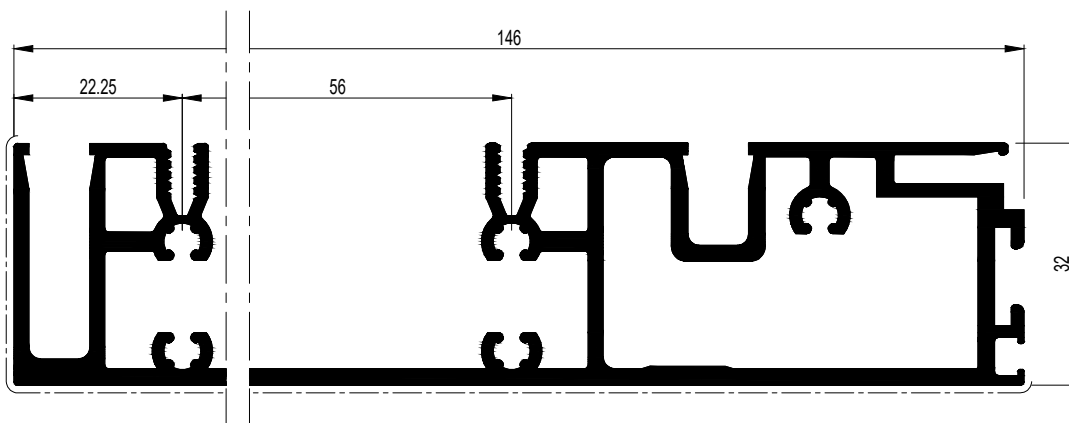
 C07.3521.XX 	 C07.4521.XX 	 C07.5521.XX 
 152.5301.-- (5x) ---	 152.5301.-- (5x) ---	 152.5301.-- (5x) ---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1520.XX	71.08	16.8	7.00	188.474	27.097	66.76	13.271	7.588	14.72	
C07.2520.XX	73.08	17.8	7.00	228.063	30.145	70.65	13.665	7.686	14.43	
107.0520.XX	75.08	18.8	7.00	272.526	33.352	74.60	14.042	7.776	14.15	

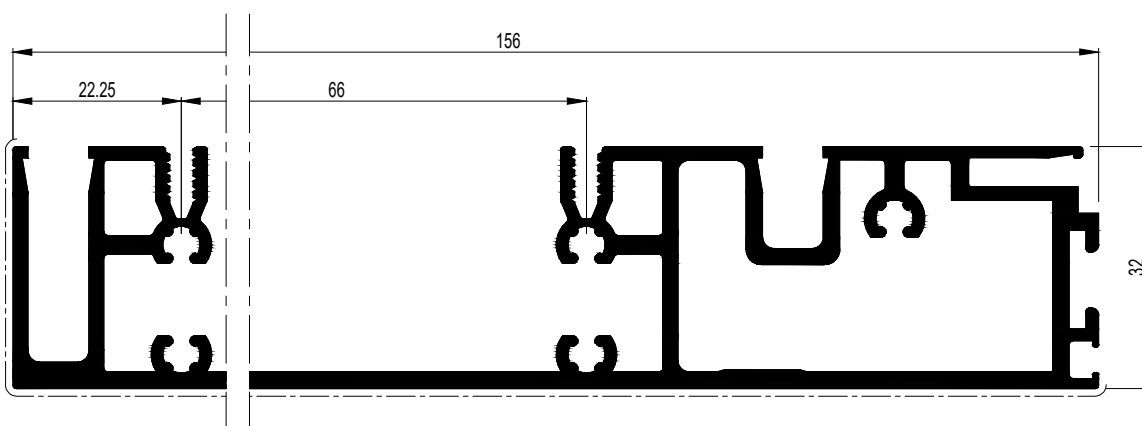
C07.1520.XX



C07.2520.XX



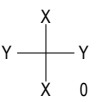
107.0520.XX



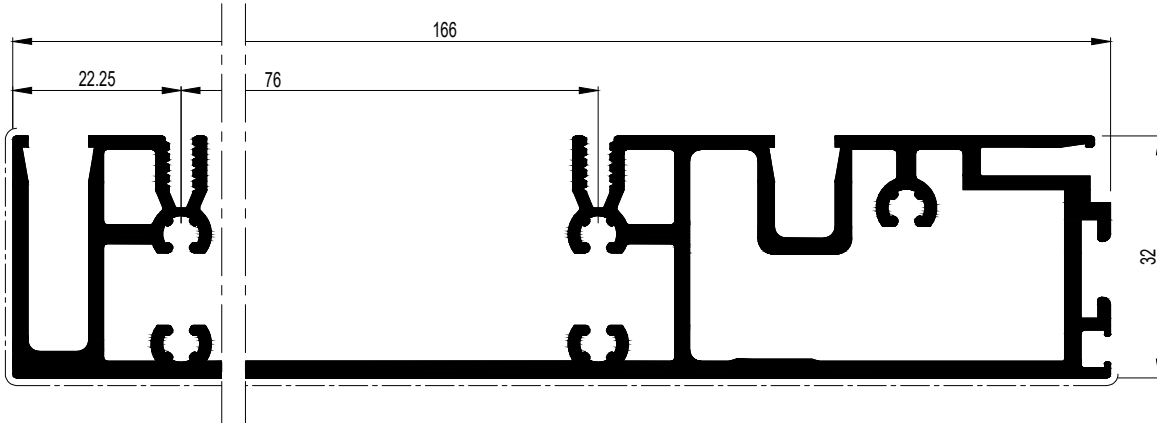
	C07.1520.XX	
	152.5301.-- (5x)	---

	C07.2520.XX	
	152.5301.-- (5x)	---

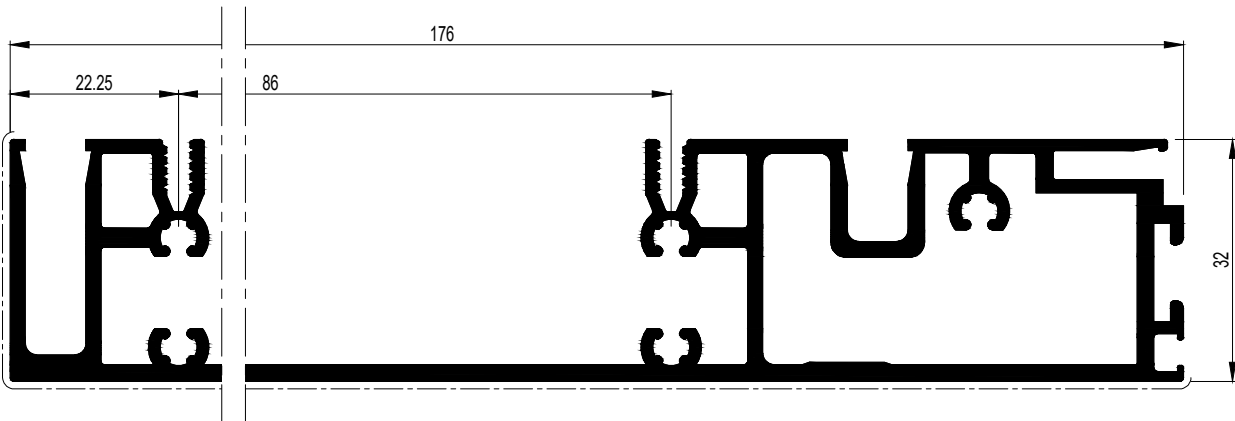
	107.0520.XX	
	152.5301.-- (5x)	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
C07.3520.XX	77.08	19.8	7.00	321.988	36.705	78.59	14.404	7.860	13.88	
C07.4520.XX	79.08	20.8	7.00	376.571	40.192	82.62	14.752	7.939	13.63	
C07.5520.XX	81.08	21.8	7.00	436.400	43.804	86.68	15.085	8.012	13.38	

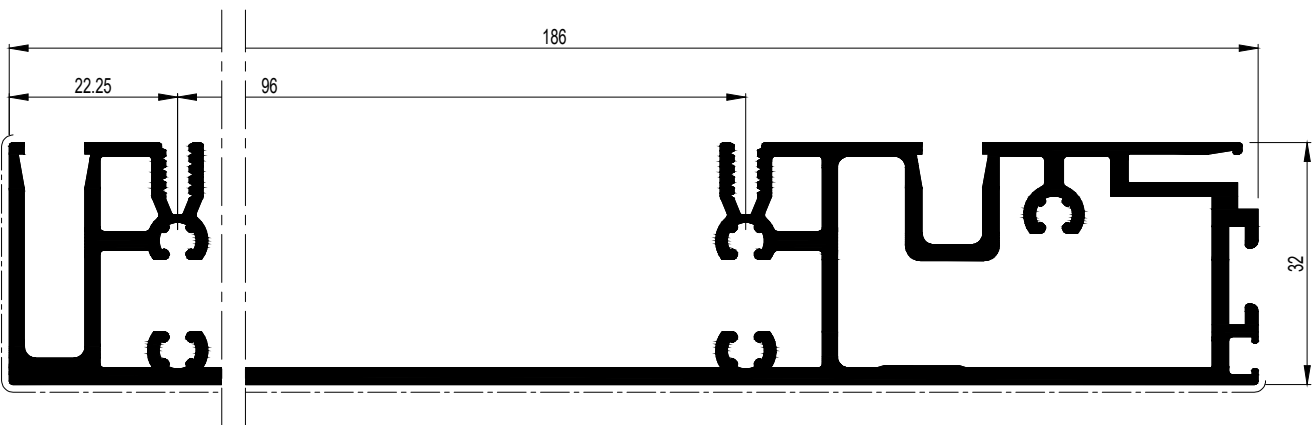
C07.3520.XX



C07.4520.XX



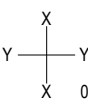
C07.5520.XX



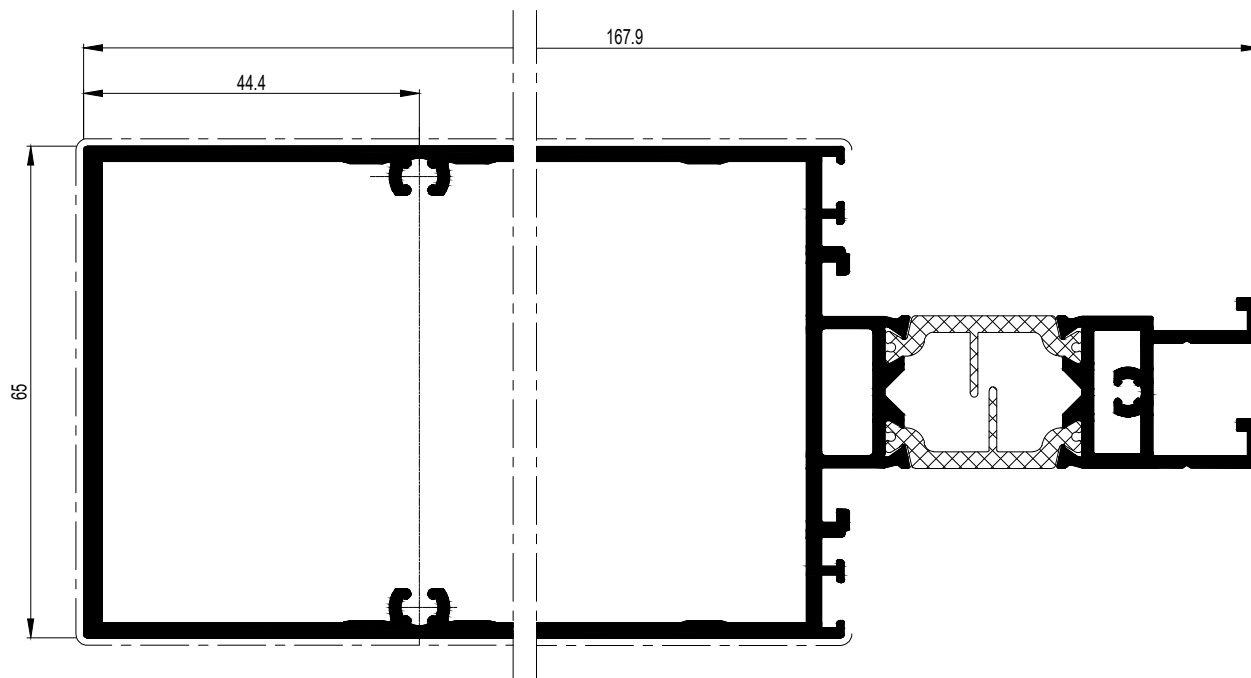
	C07.3520.XX	
	152.5301.-- (5x)	---

	C07.4520.XX	
	152.5301.-- (5x)	---

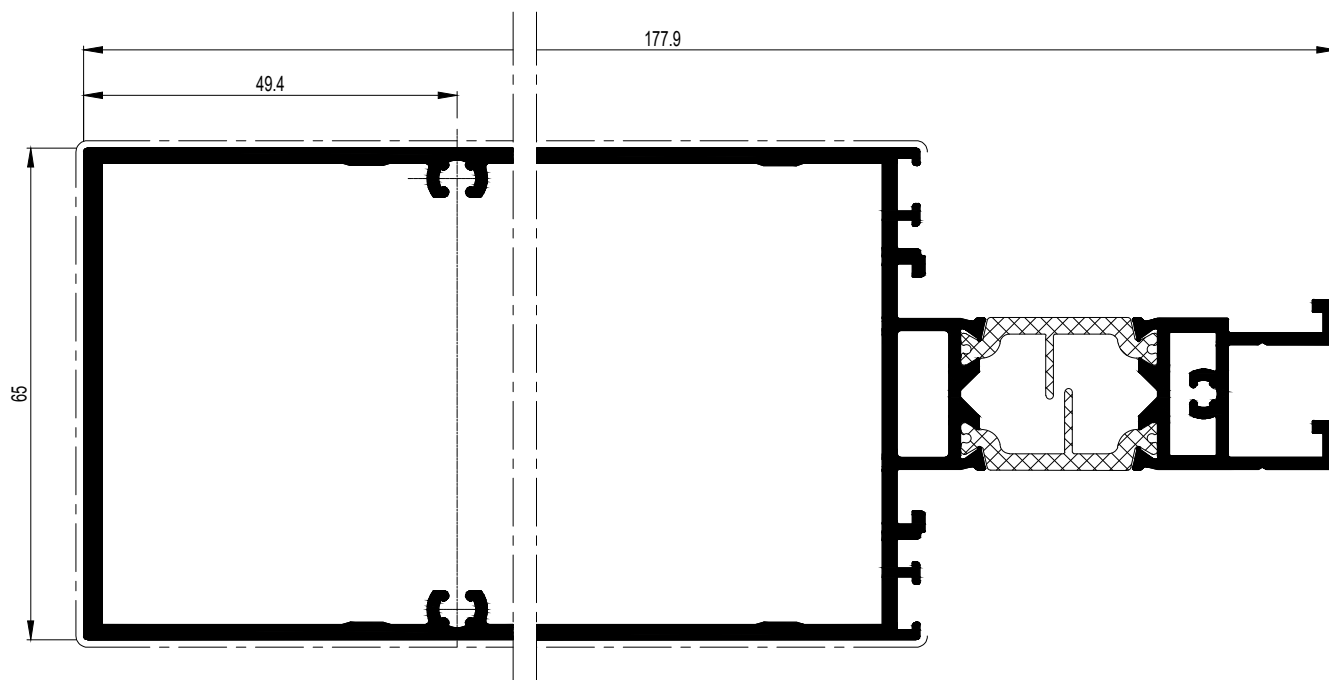
	C07.5520.XX	
	152.5301.-- (5x)	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
C07.1285.XX	53.18	29.1	7.00	252.953	27.867	90.77	59.227	18.165	32.61	
C07.2285.XX	55.18	31.1	7.00	296.278	31.084	95.32	63.201	19.384	32.61	

C07.1285.XX

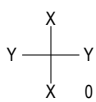


C07.2285.XX

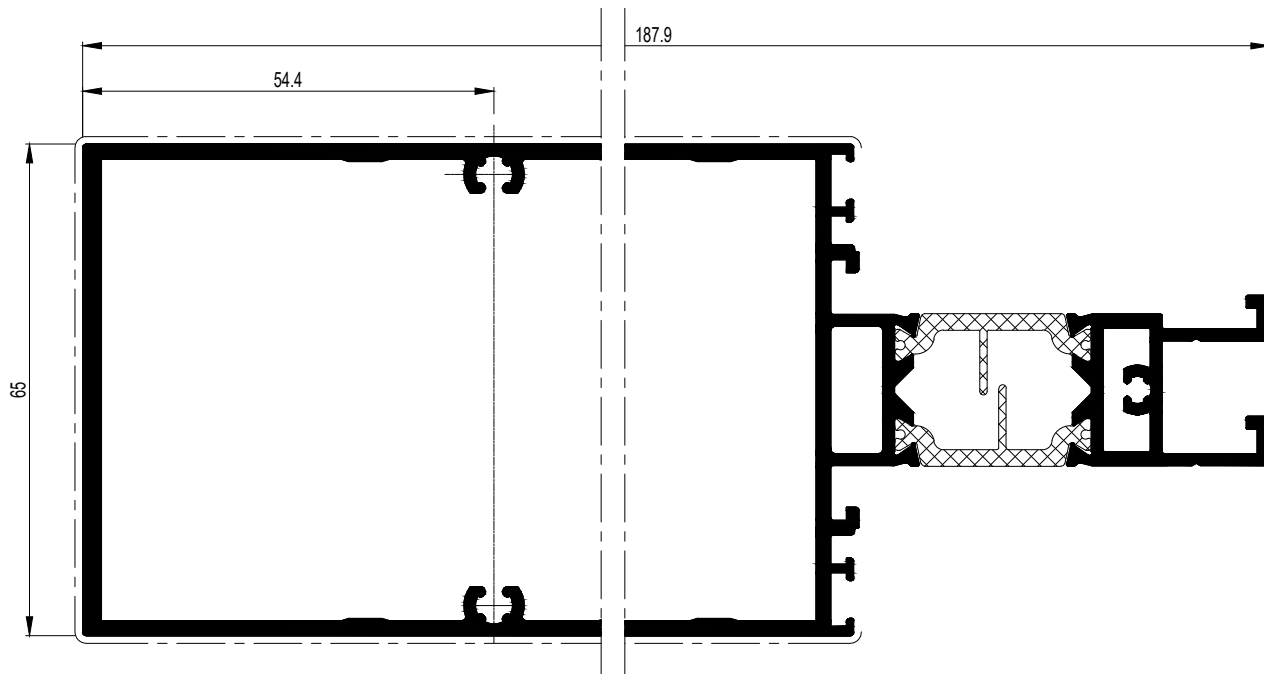


	C07.1285.XX	
	C73.1510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

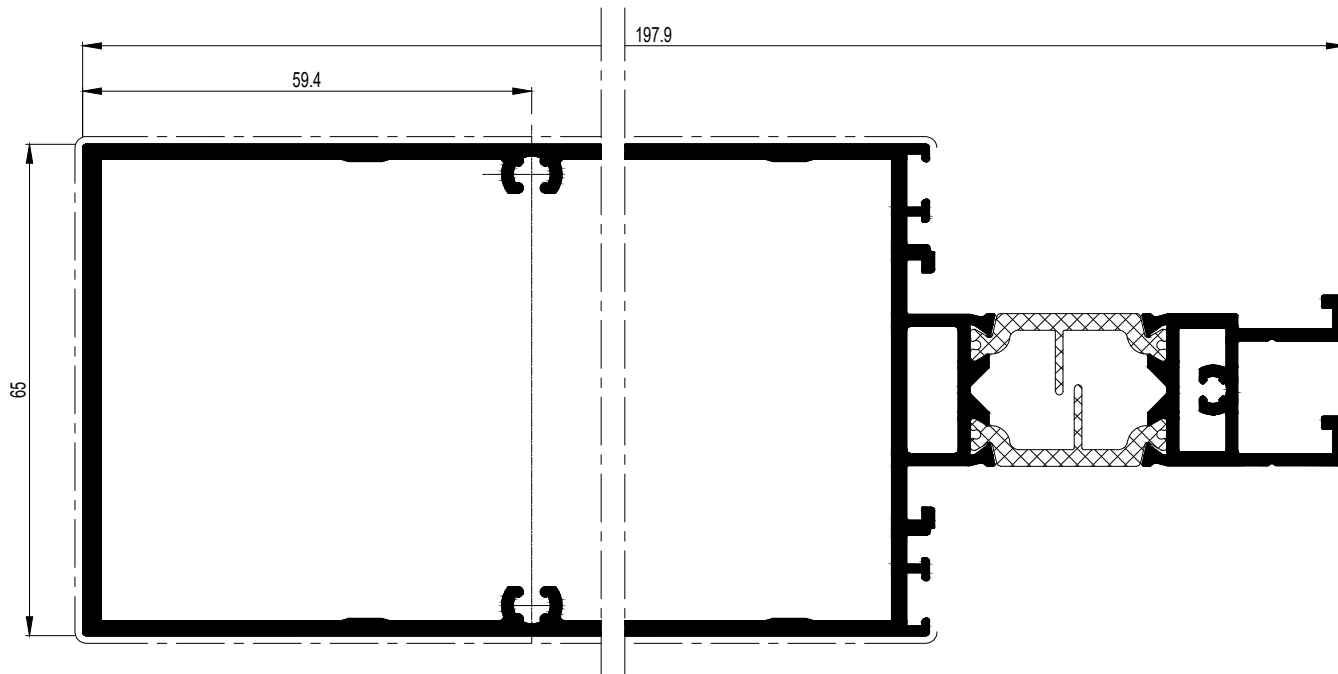
	C07.2285.XX	
	C73.2510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x cm^4$	$W_x cm^3$	$a_x mm$	$I_y cm^4$	$W_y cm^3$	$a_y mm$	
107.0285.XX	64.99	33.1	7.00	344.109	34.448	99.89	67.171	20.601	32.61	
C07.3285.XX	59.18	35.1	7.00	396.624	37.956	104.50	71.142	21.819	32.61	

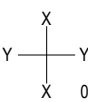
107.0285.XX



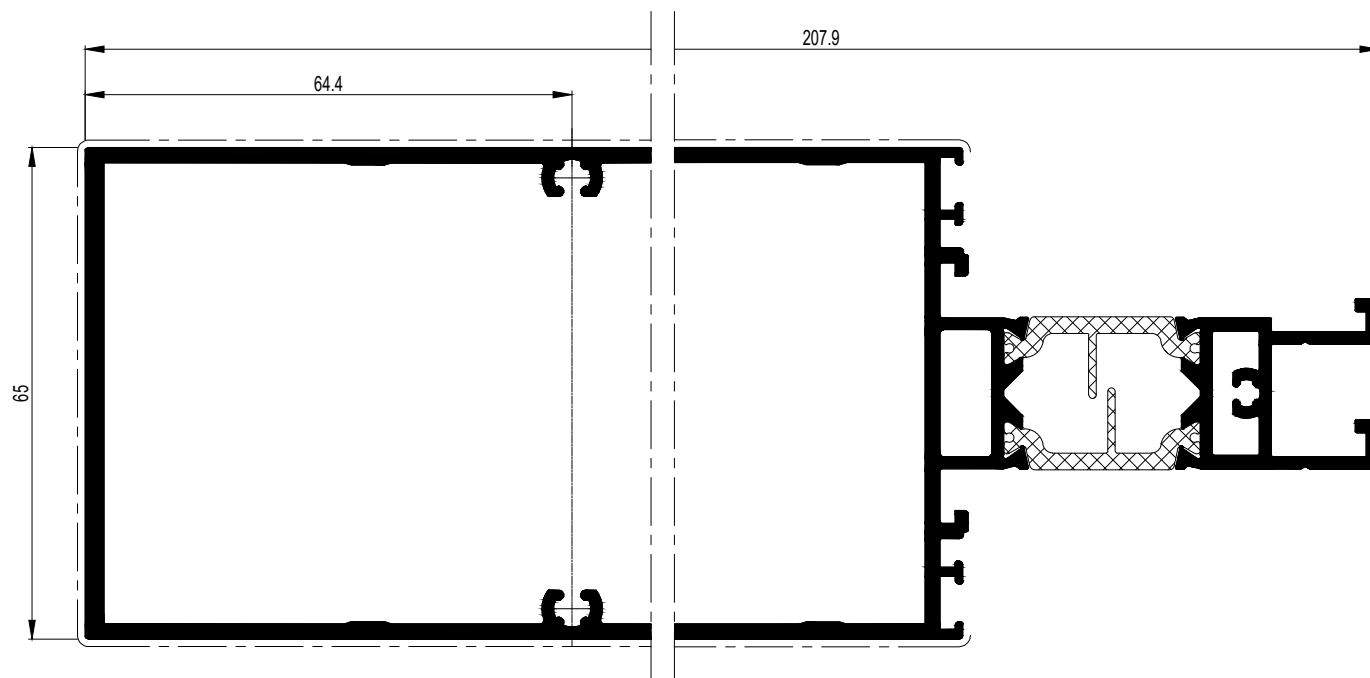
C07.3285.XX



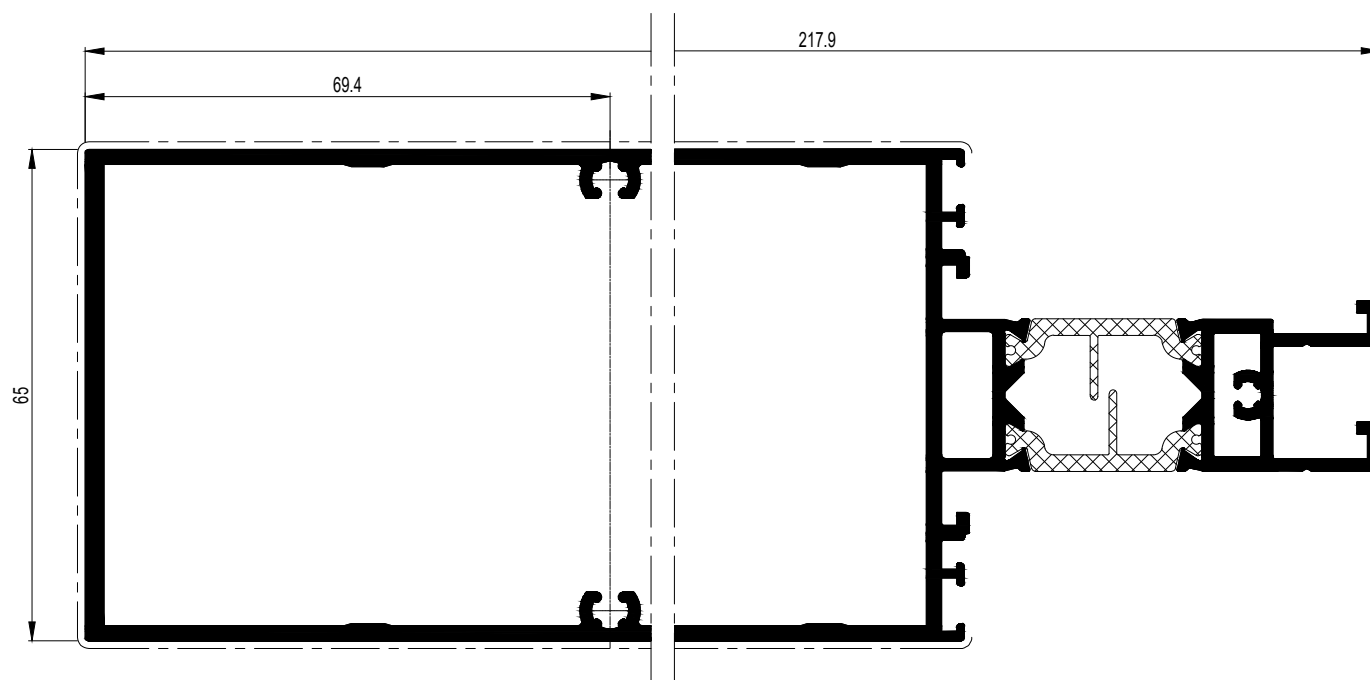
	107.0285.XX			C07.3285.XX	
	173.7510.00 052.6330.-- (4x)	---		C73.3510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---		152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.4285.XX	61.18	37.1	7.00	453.998	41.603	109.13	75.112	23.037	32.61	
C07.5285.XX	63.18	39.1	7.00	516.401	45.386	113.78	79.082	24.255	32.61	

C07.4285.XX

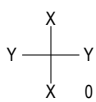


C07.5285.XX

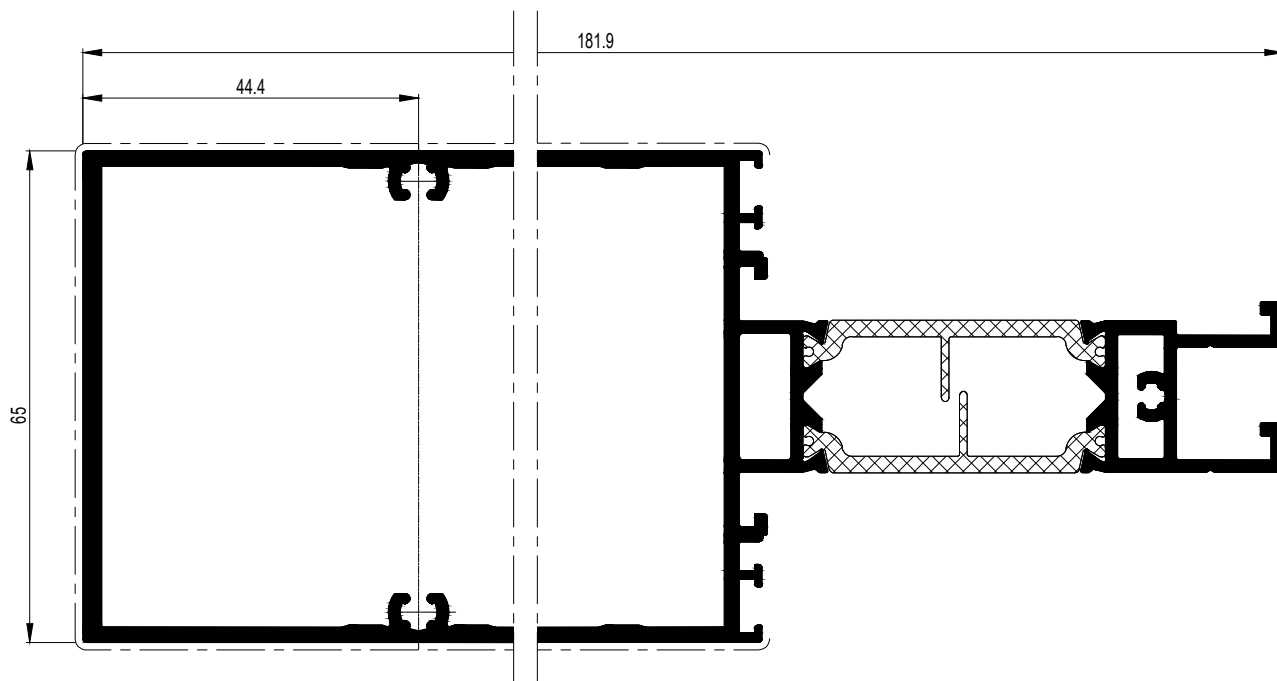


	C07.4285.XX	
	C73.4510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

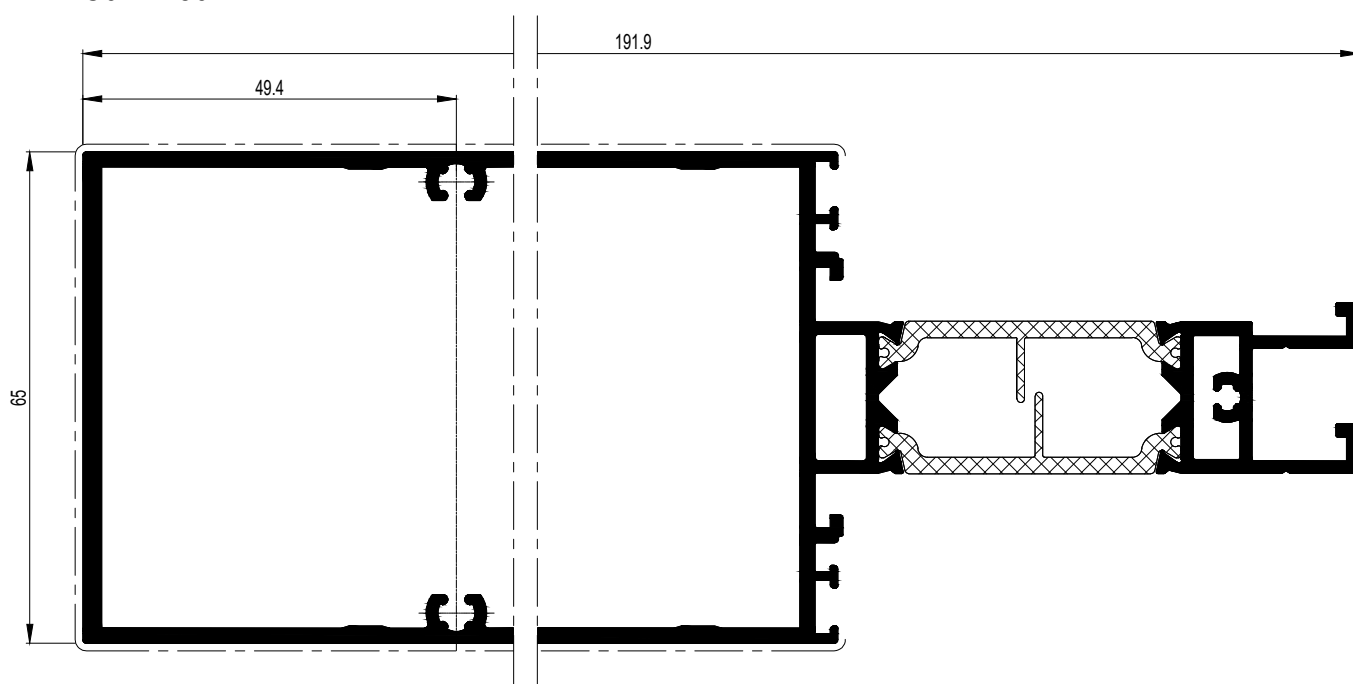
	C07.5285.XX	
	C73.5510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1286.XX	53.18	29.1	7.00	272.549	26.645	102.29	59.227	18.164	32.61	
C07.2286.XX	55.18	31.1	7.00	315.265	29.485	106.92	63.201	19.383	32.61	

C07.1286.XX

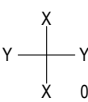


C07.2286.XX

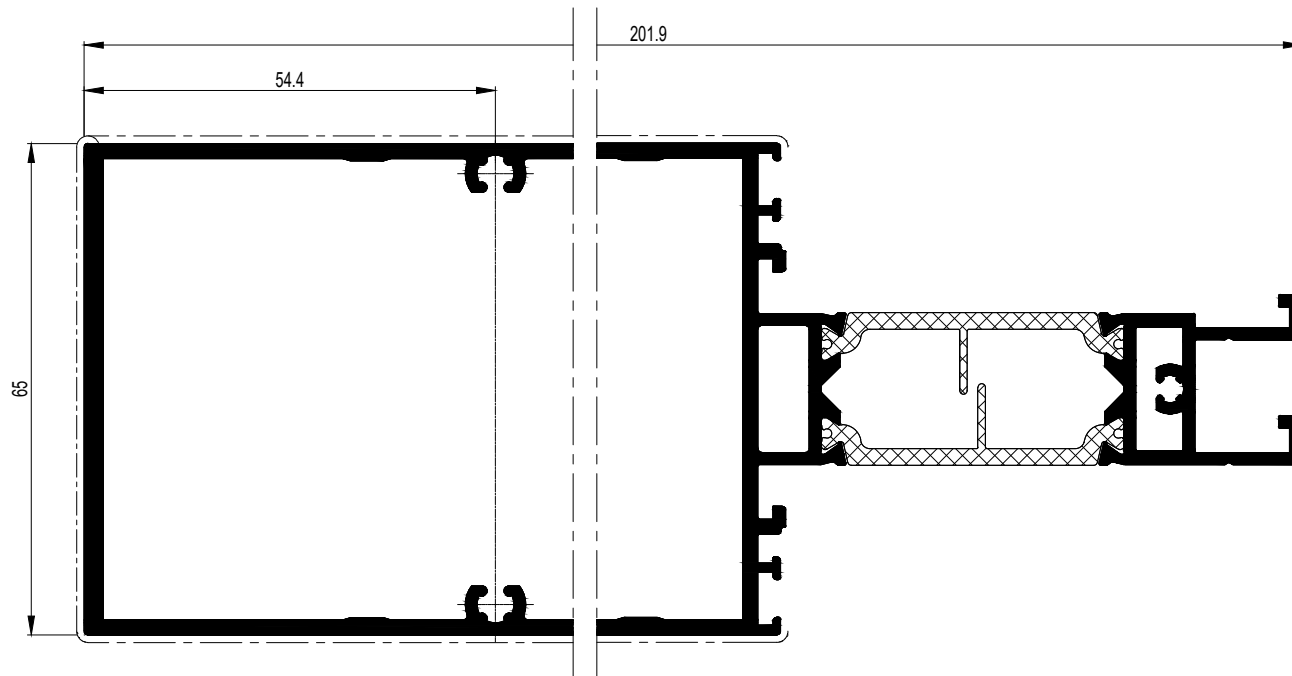


	C07.1286.XX	
	C73.1510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

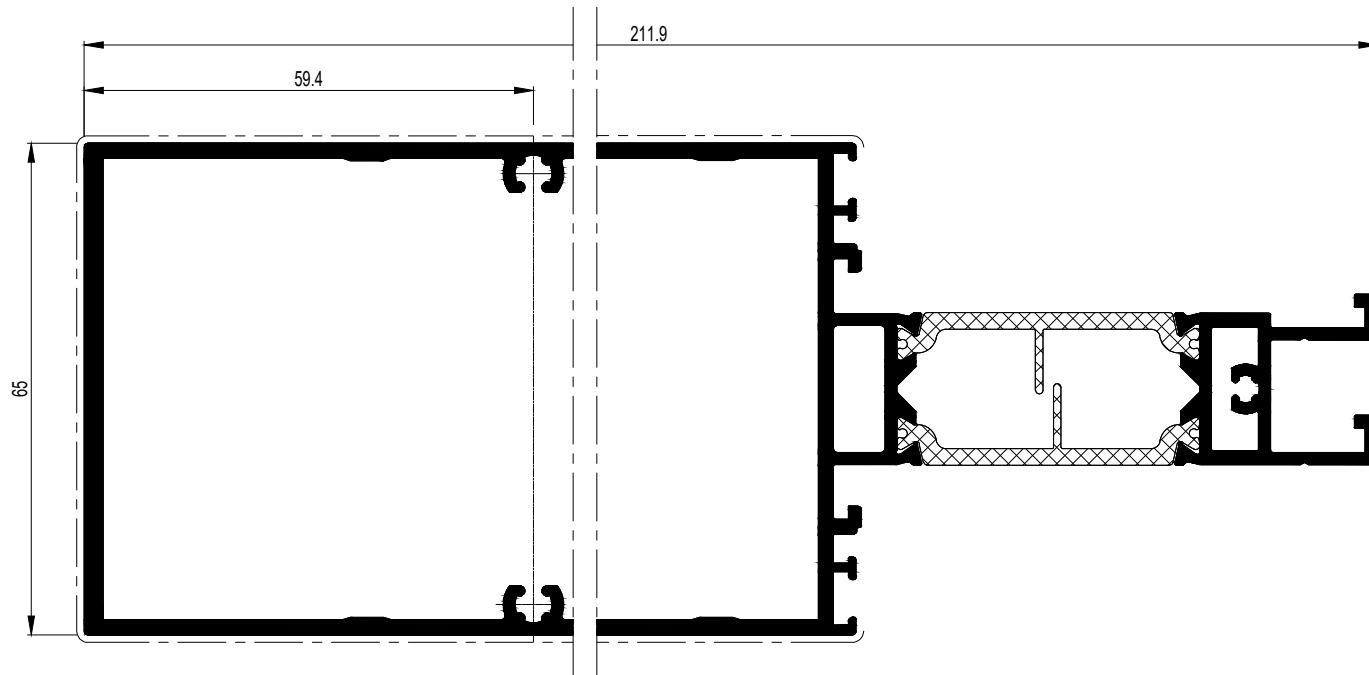
	C07.2286.XX	
	C73.2510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
107.0286.XX	64.99	33.1	7.00	362.234	32.463	111.58	67.171	20.601	32.61	
C07.3286.XX	59.18	35.1	7.00	413.623	35.576	116.26	71.142	21.819	32.61	

107.0286.XX

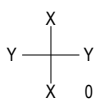


C07.3286.XX

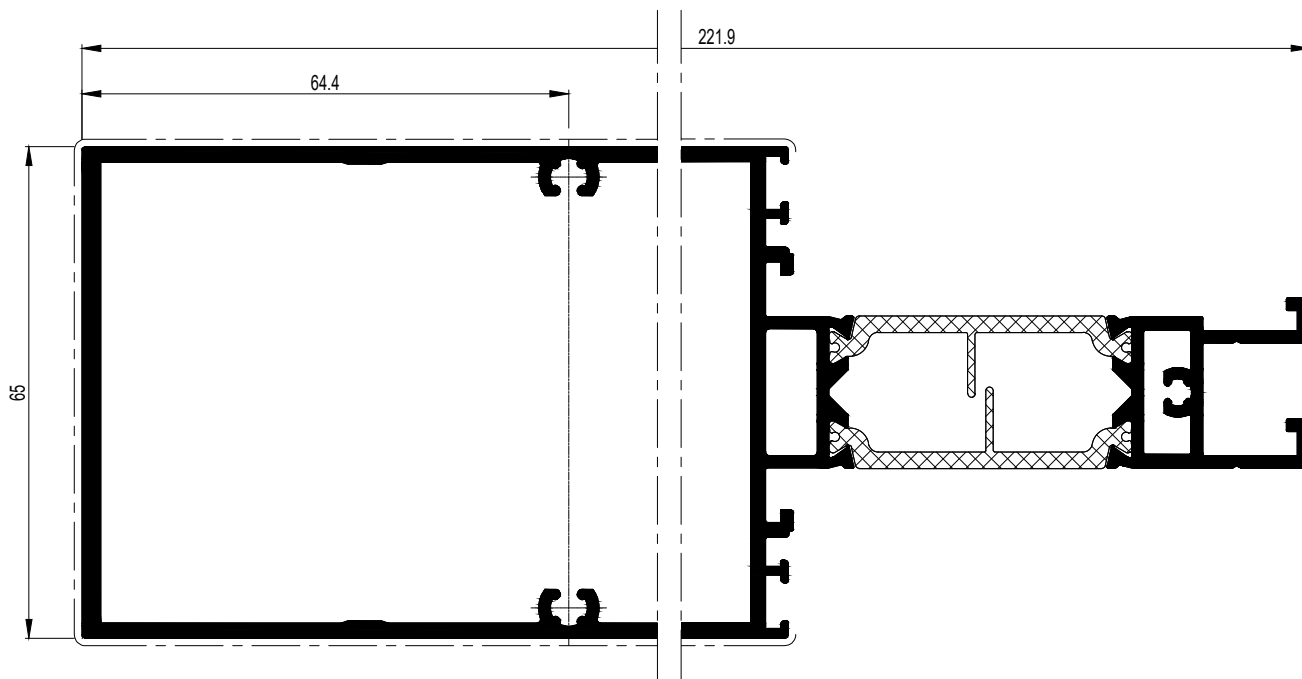


	107.0286.XX	
	173.7510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

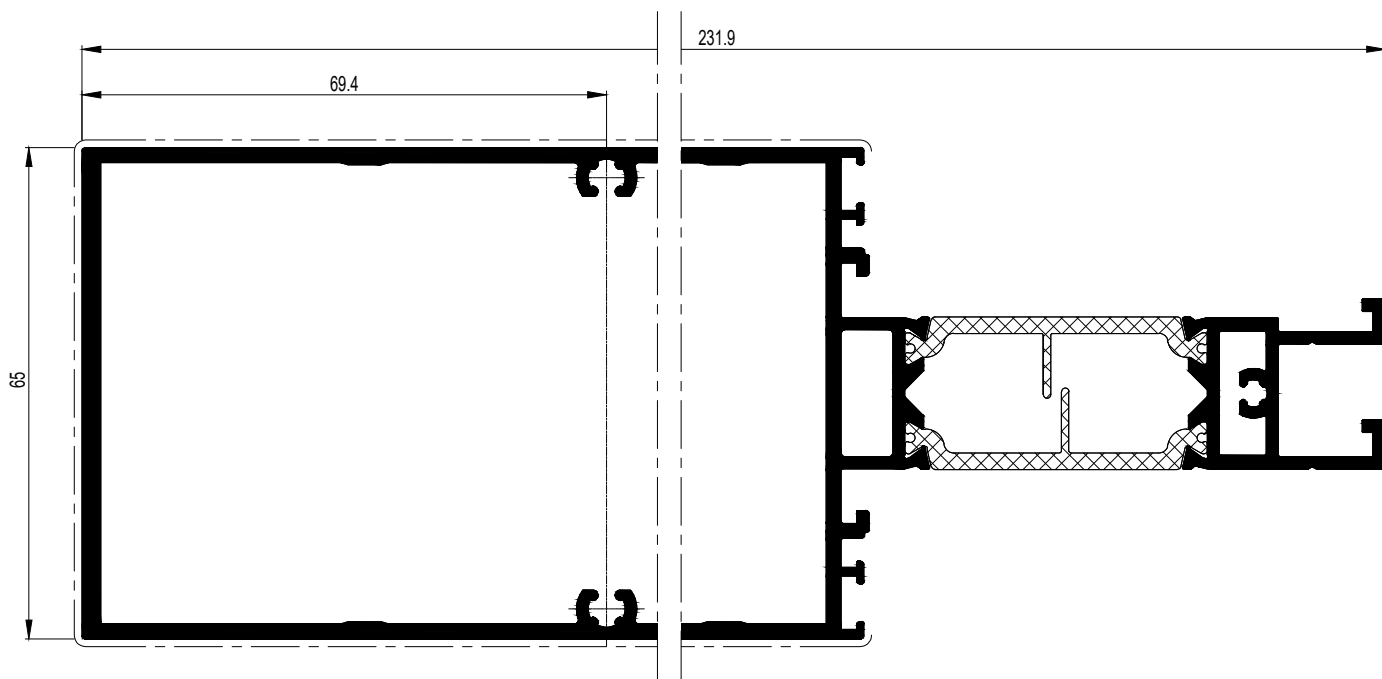
	C07.3286.XX	
	C73.3510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.4286.XX	61.18	37.1	7.00	469.594	38.820	120.97	75.112	23.037	32.61	
C07.5286.XX	63.18	39.1	7.00	530.308	42.192	125.69	79.082	24.255	32.61	

C07.4286.XX

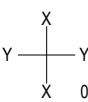


C07.5286.XX

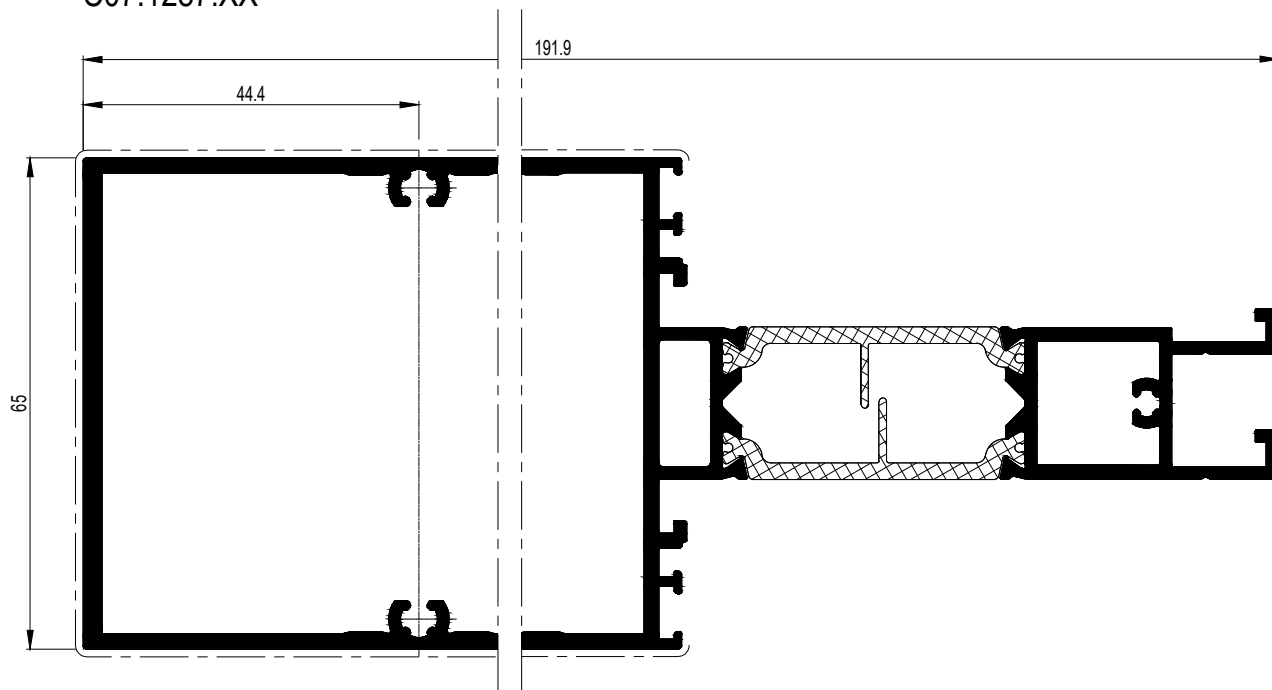


	C07.4286.XX	
	C73.4510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

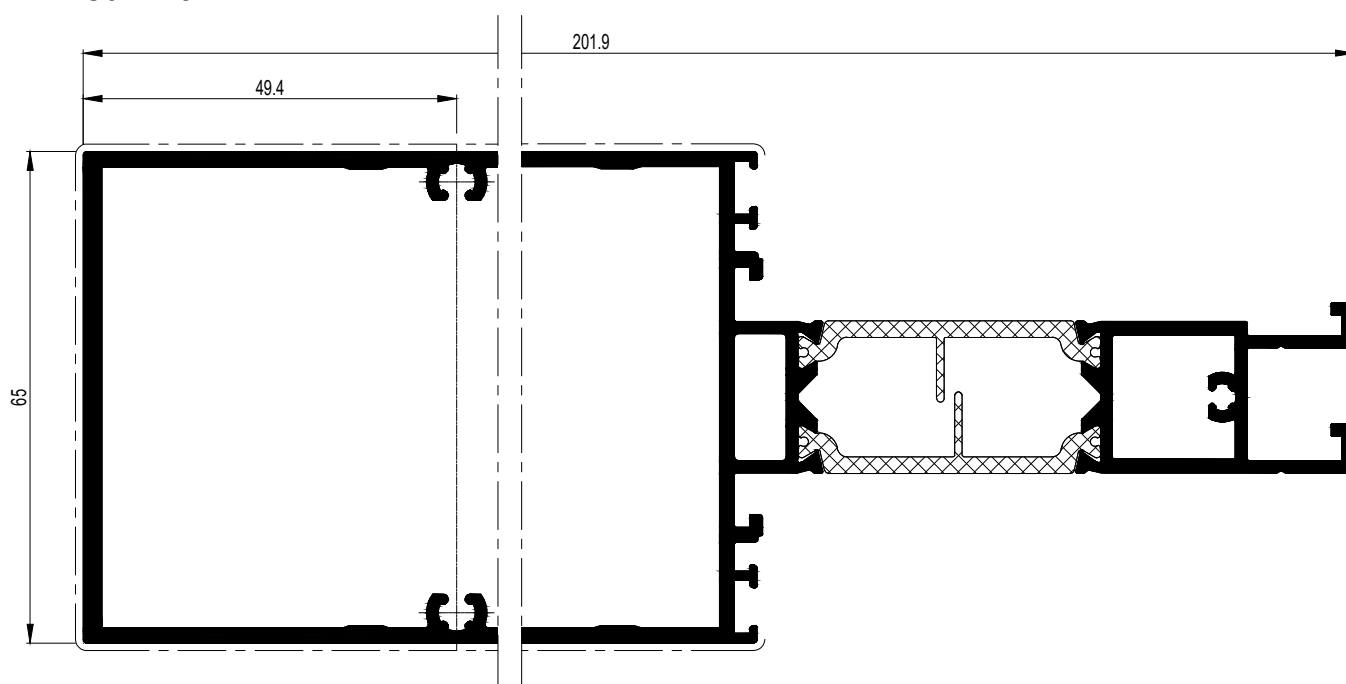
	C07.5286.XX	
	C73.5510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1287.XX	55.18	29.1	7.00	312.452	28.852	108.29	59.526	18.256	32.61	
C07.2287.XX	57.18	31.1	7.00	358.432	31.741	112.92	63.500	19.475	32.61	

C07.1287.XX

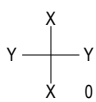


C07.2287.XX

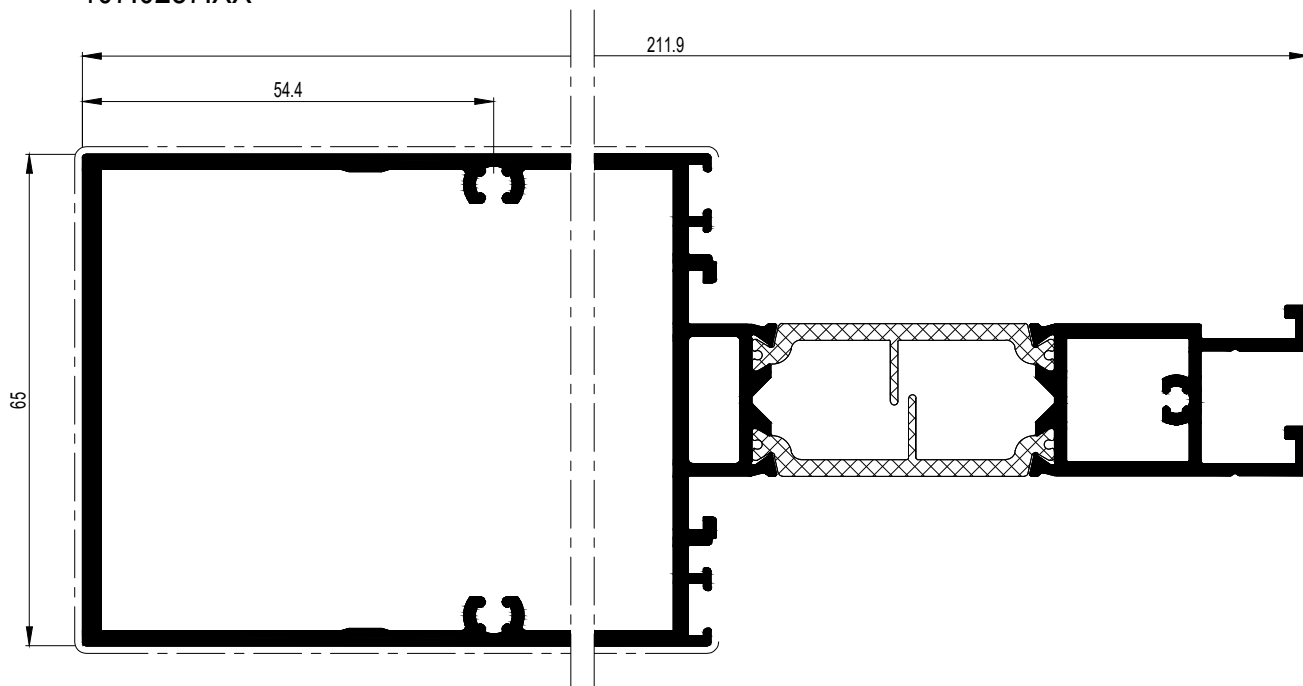


	C07.1287.XX	
	C73.1510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

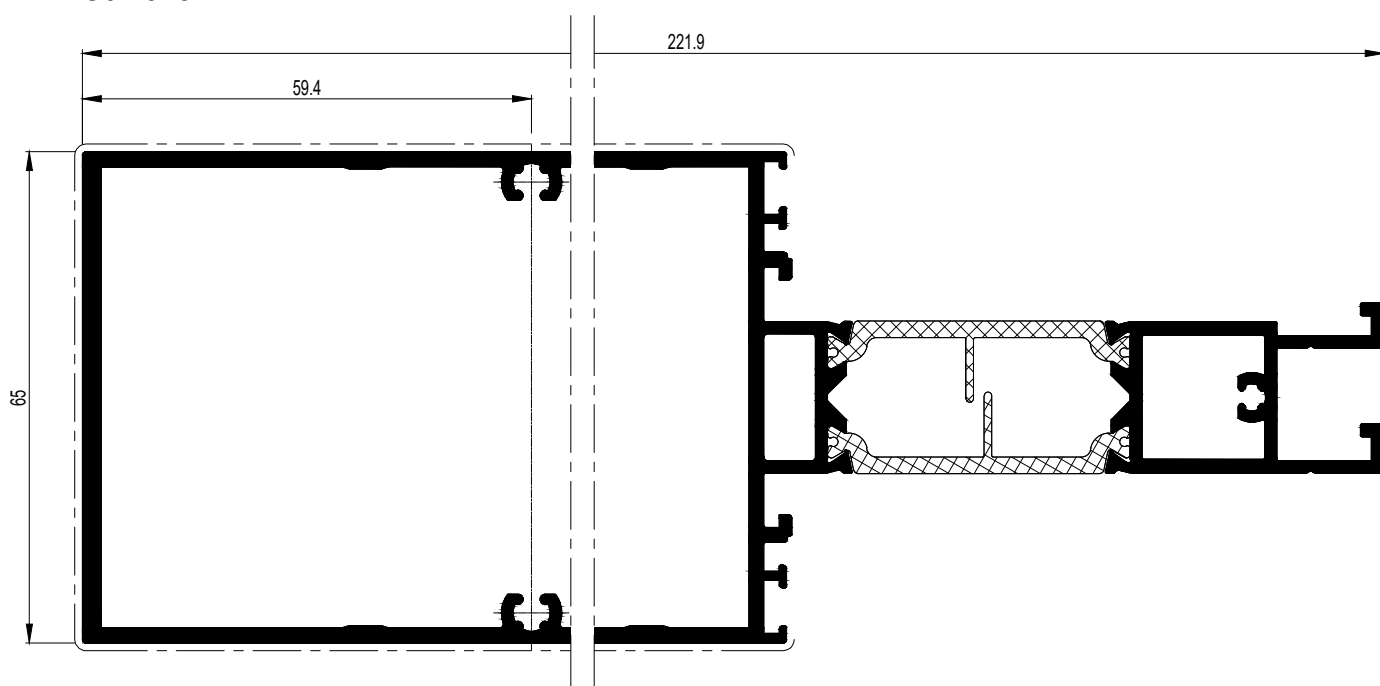
	C07.2287.XX	
	C73.2510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
107.0287.XX	66.99	33.1	7.00	408.806	34.770	117.58	67.470	20.693	32.61	
C07.3287.XX	61.18	35.1	7.00	463.743	37.934	122.25	71.441	21.911	32.61	

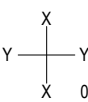
107.0287.XX



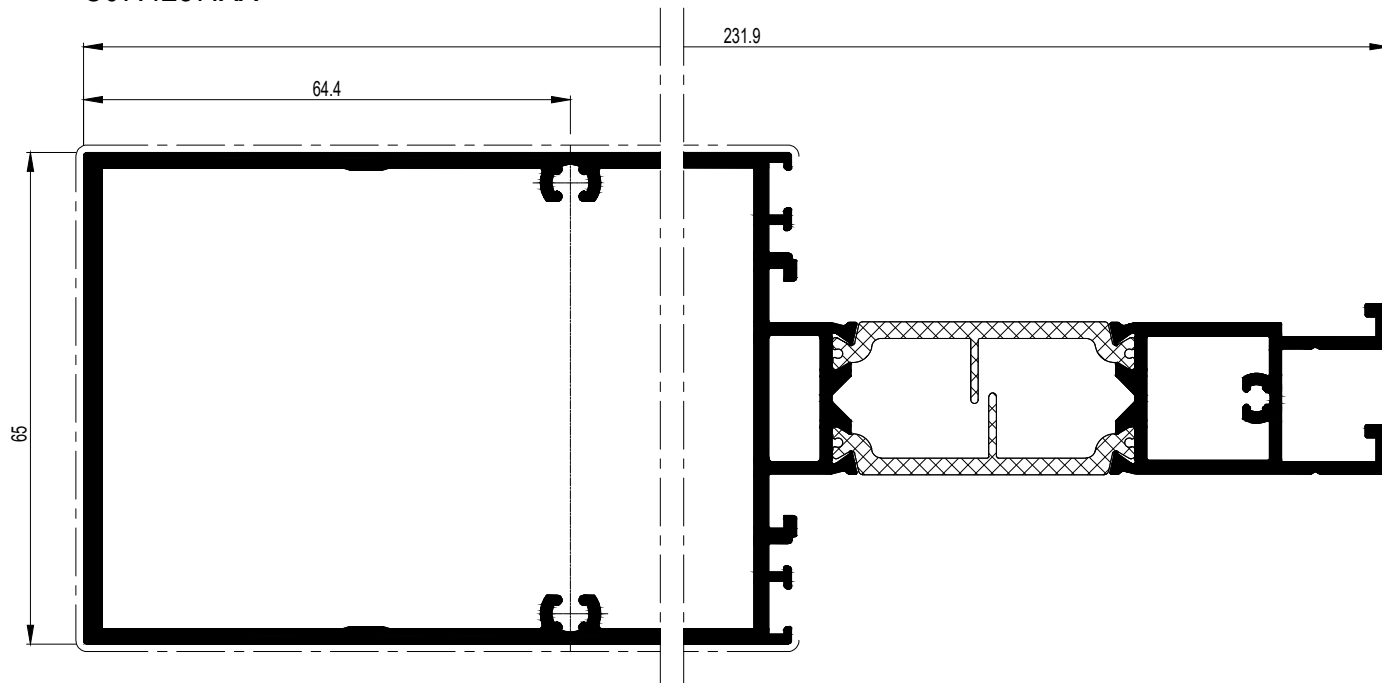
C07.3287.XX



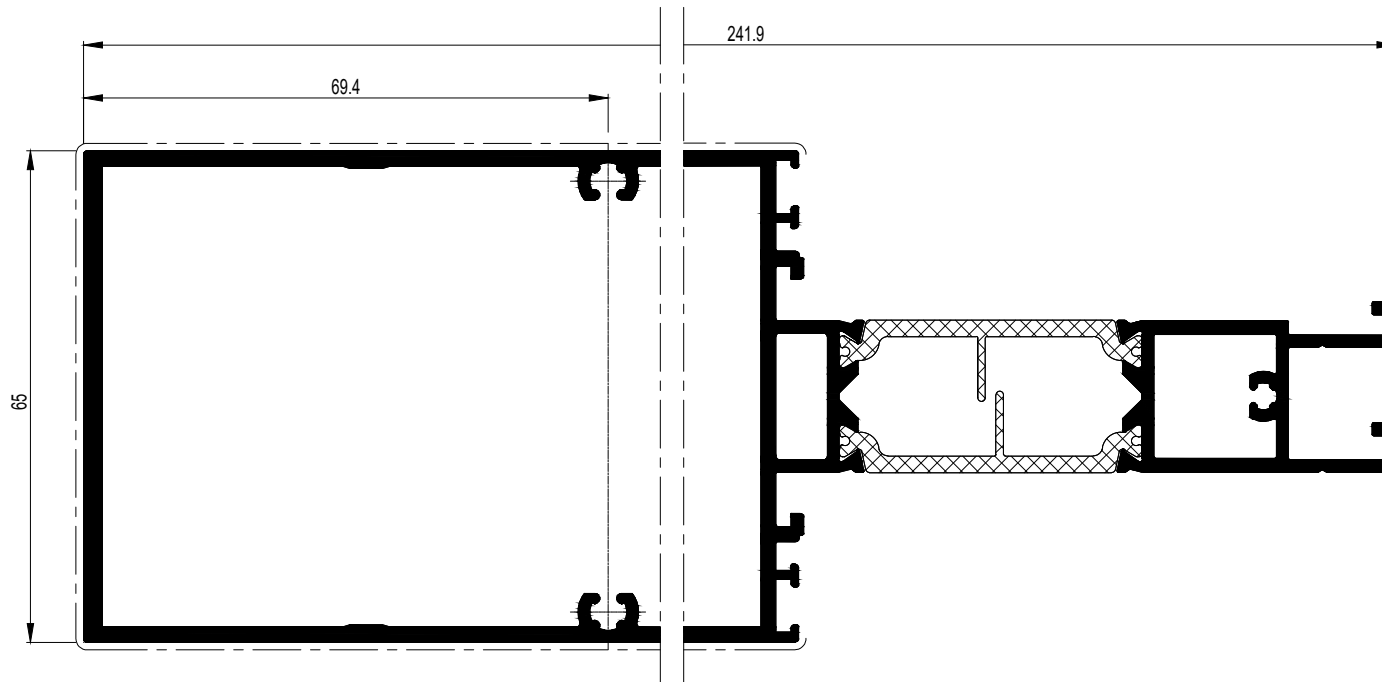
	107.0287.XX			C07.3287.XX	
	173.7510.00 052.6330.-- (4x)	---		C73.3510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---		152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.4287.XX	63.18	37.1	7.00	523.404	41.230	126.95	75.411	23.128	32.61	
C07.5287.XX	65.18	39.1	7.00	587.951	44.657	131.66	79.381	24.346	32.61	

C07.4287.XX



C07.5287.XX

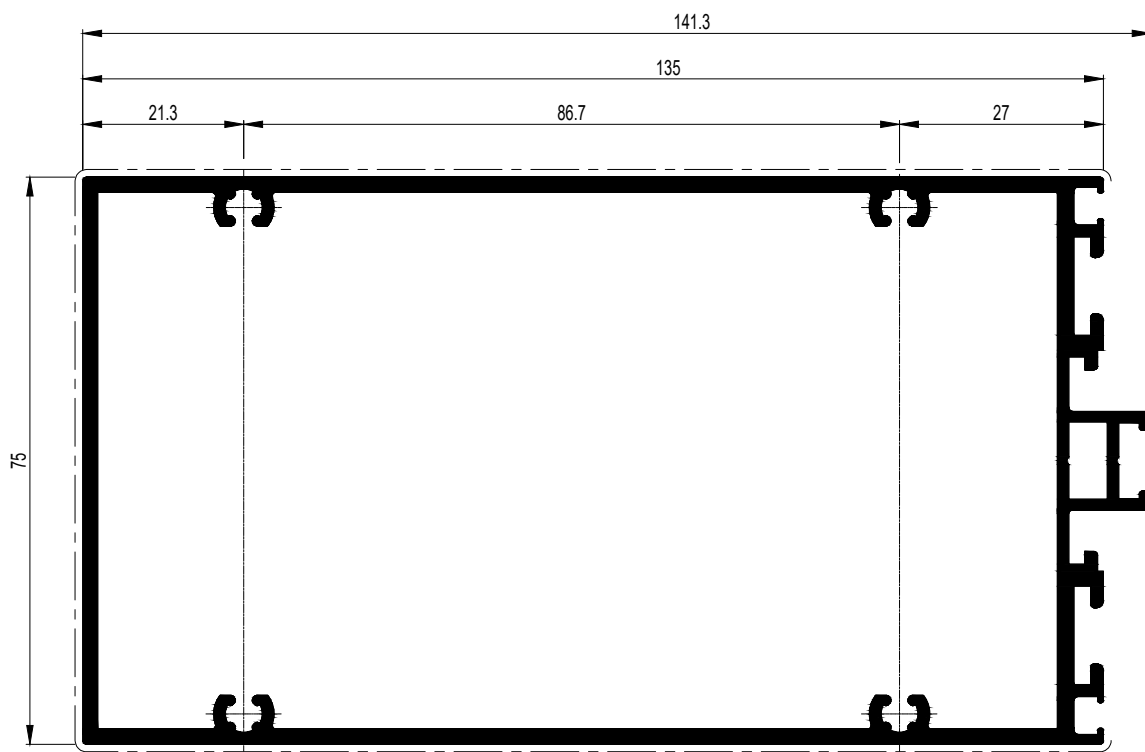


	C07.4287.XX	
	C73.4510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

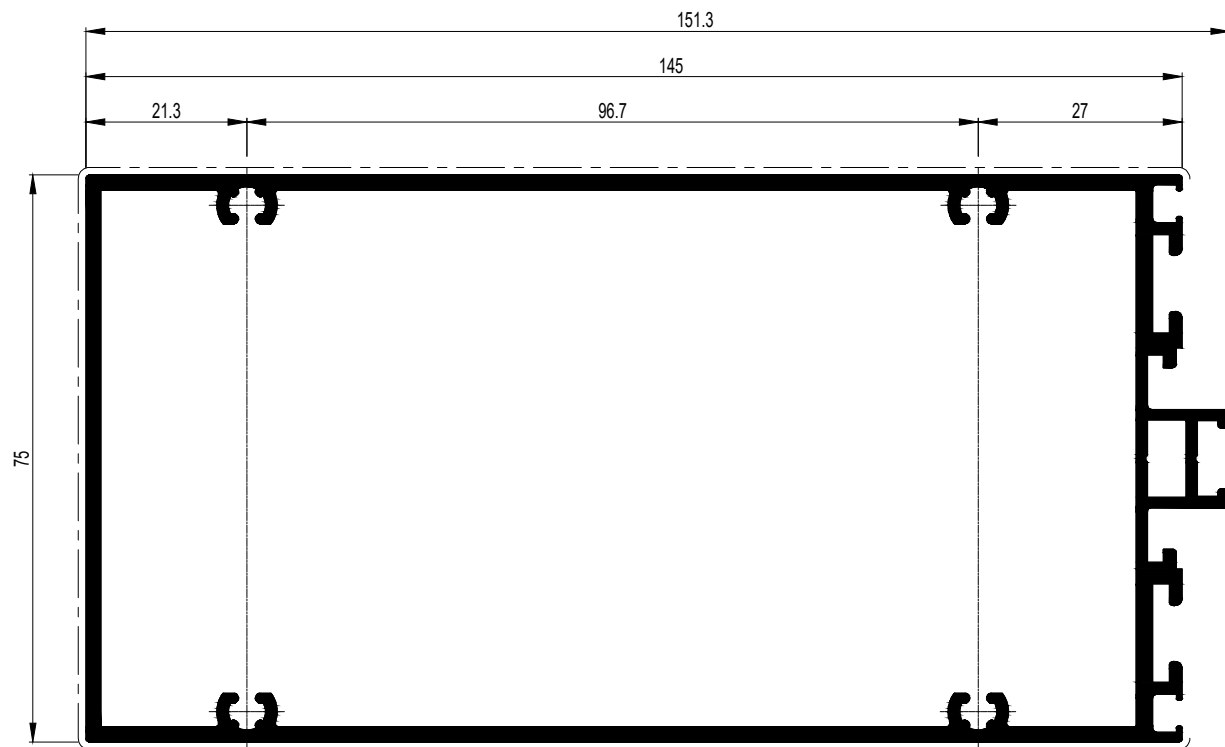
	C07.5287.XX	
	C73.5510.00 052.6330.-- (4x)	---
	152.5301.-- (2x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x cm^4$	$W_x cm^3$	$ax mm$	$I_y cm^4$	$W_y cm^3$	$ay mm$	
C07.1585.XX	52.34	34.5	7.00	254.472	34.588	67.94	94.238	25.061	37.60	
C07.2585.XX	57.41	36.5	7.00	302.647	38.397	72.69	99.568	26.478	37.60	

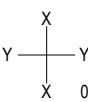
C07.1585.XX



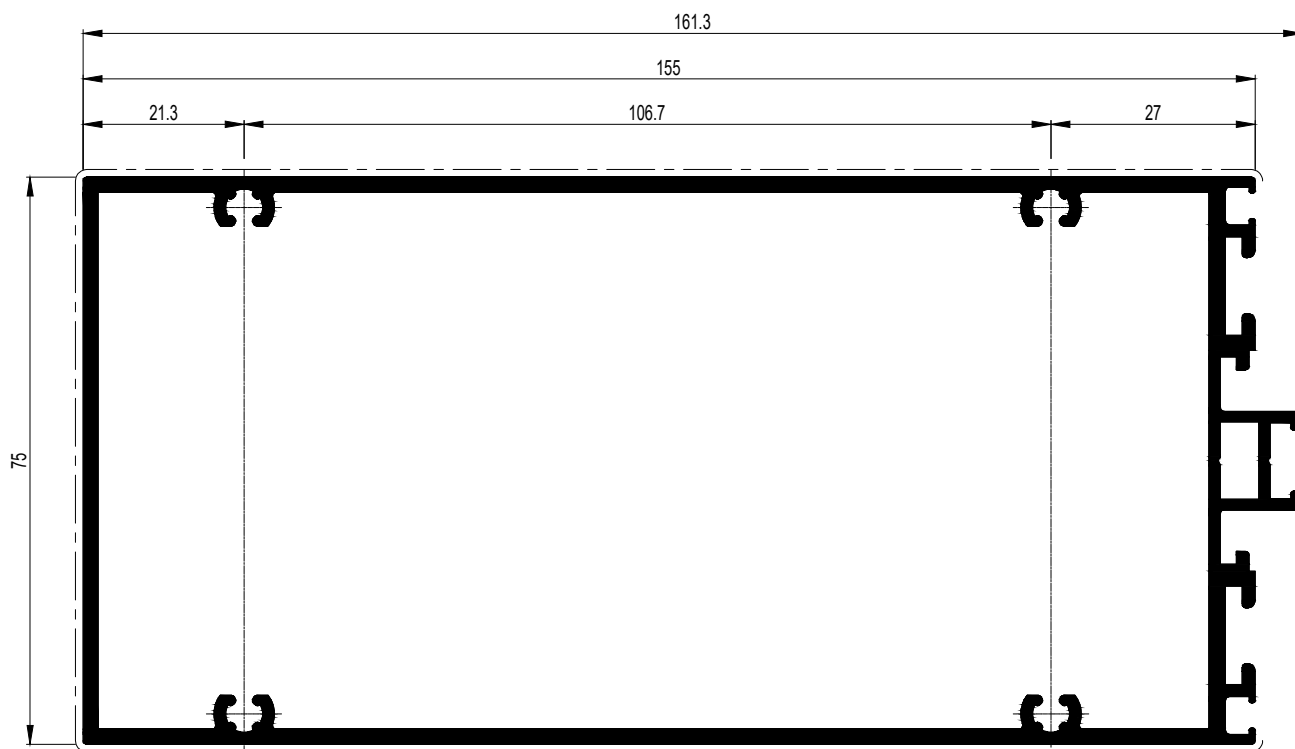
C07.2585.XX



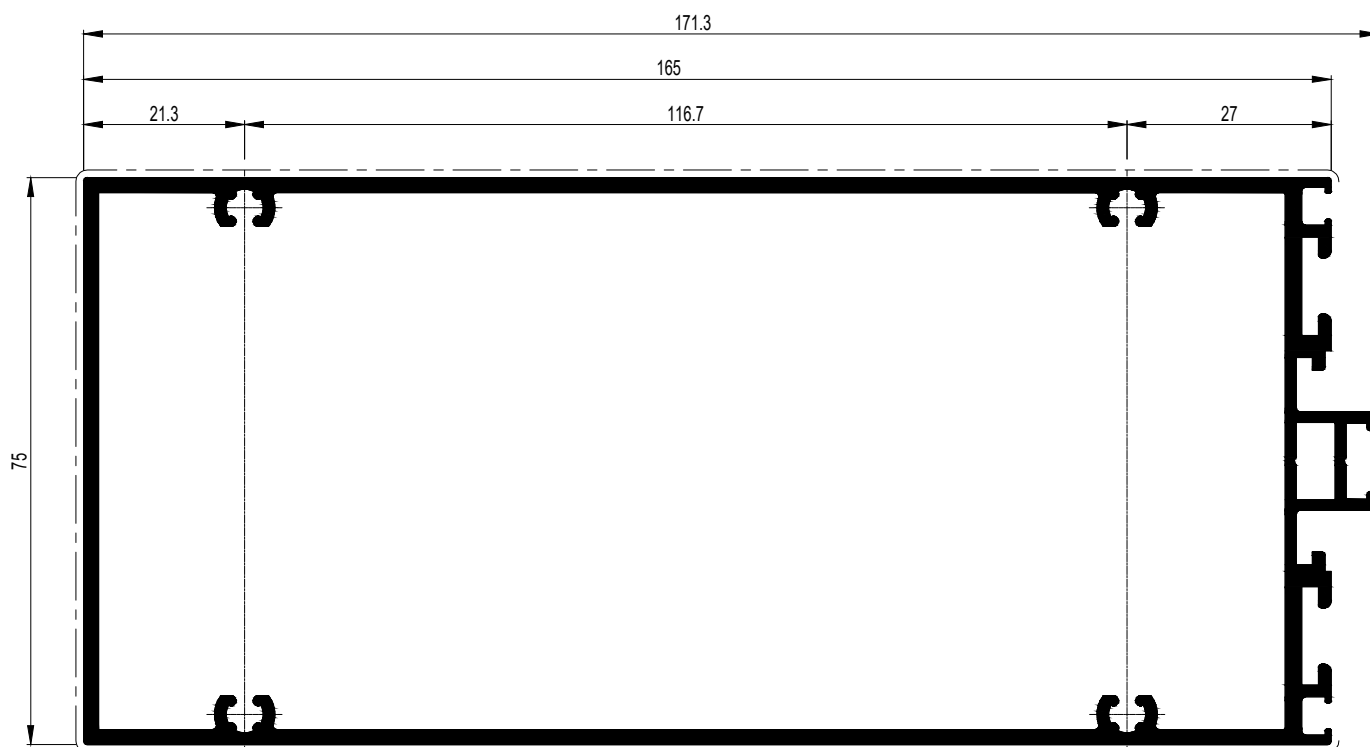
	C07.1585.XX			C07.2585.XX	
	052.5330.-- (4x) 052.5336.-- (2x) C73.1517.00	---		052.5330.-- (4x) 052.5336.-- (2x) C73.2517.00	---
	152.5301.-- (4x)	---		152.5301.-- (4x)	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
107.0585.XX	56.34	38.5	7.00	355.962	42.351	77.46	104.898	27.896	37.60	
C07.3585.XX	58.34	40.5	7.00	414.616	46.449	82.24	110.229	29.313	37.60	

107.0585.XX



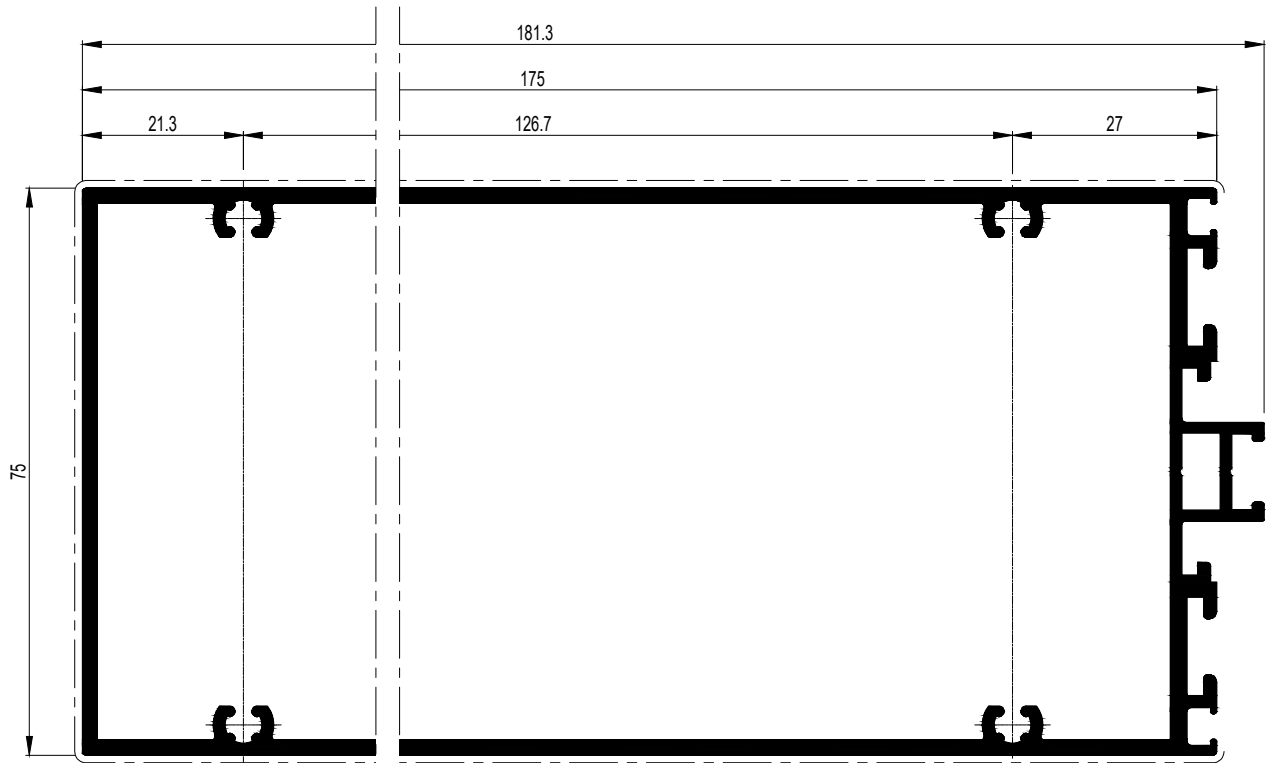
C07.3585.XX



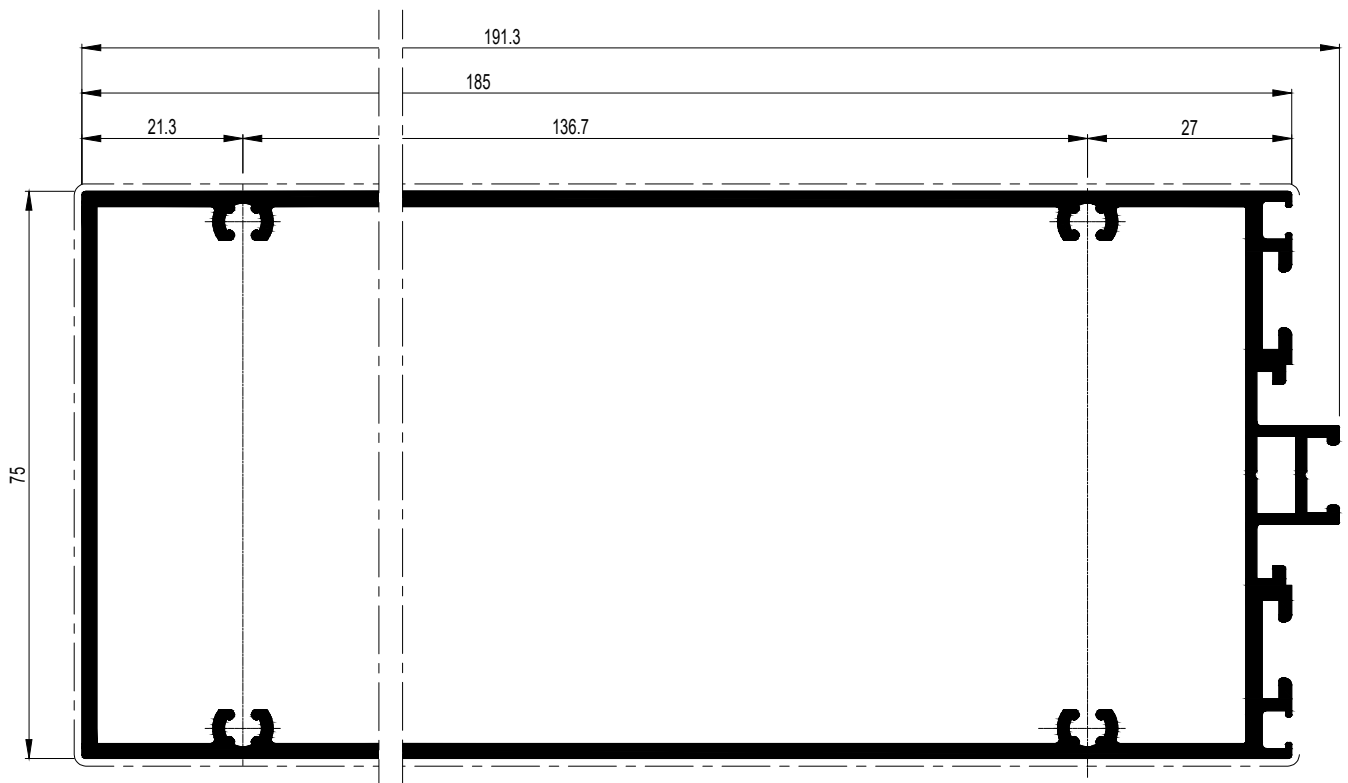
	107.0585.XX			C07.3585.XX	
	052.5330.-- (4x) 052.5336.-- (2x) 173.7517.00	---		052.5330.-- (4x) 052.5336.-- (2x) C73.3517.00	---
	152.5301.-- (4x)	---		152.5301.-- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.4585.XX	60.34	42.5	7.00	478.812	50.688	87.05	115.559	30.731	37.60	
C07.5585.XX	62.34	44.5	7.00	548.750	55.069	91.86	120.889	32.148	37.60	

C07.4585.XX

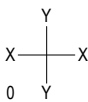


C07.5585.XX

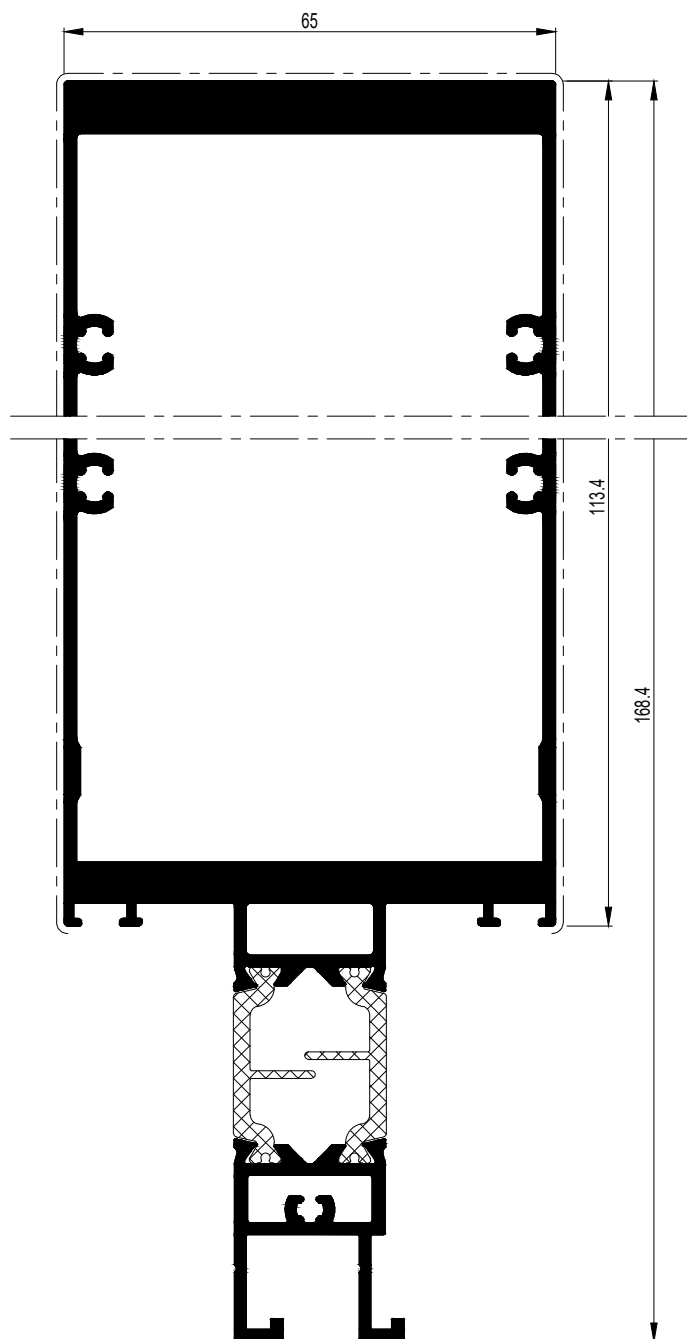


	C07.4585.XX	
	052.5330.-- (4x) 052.5336.-- (4x) C73.4517.00	---
	152.5301.-- (4x)	---

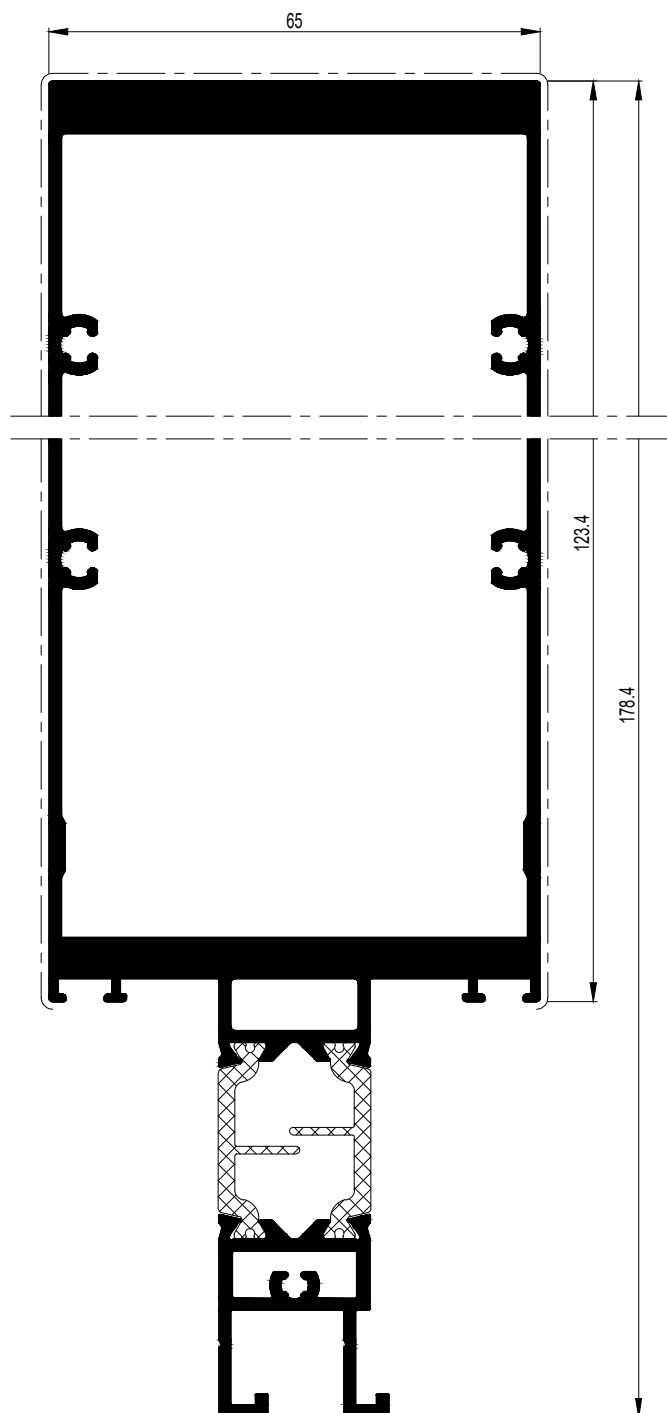
	C07.5585.XX	
	052.5330.-- (4x) 052.5336.-- (2x) C73.5517.00	---
	152.5301.-- (4x)	---

	 $\frac{A}{dm^2/m}$	 $\frac{P}{dm^2/m}$	 L_m	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1280.XX	51.29	29.2	7.00	378.174	37.663	100.41	71.690	21.988	32.61	
C07.2280.XX	53.29	31.2	7.00	444.284	42.295	105.04	75.097	23.032	32.61	

C07.1280.XX



C07.2280.XX

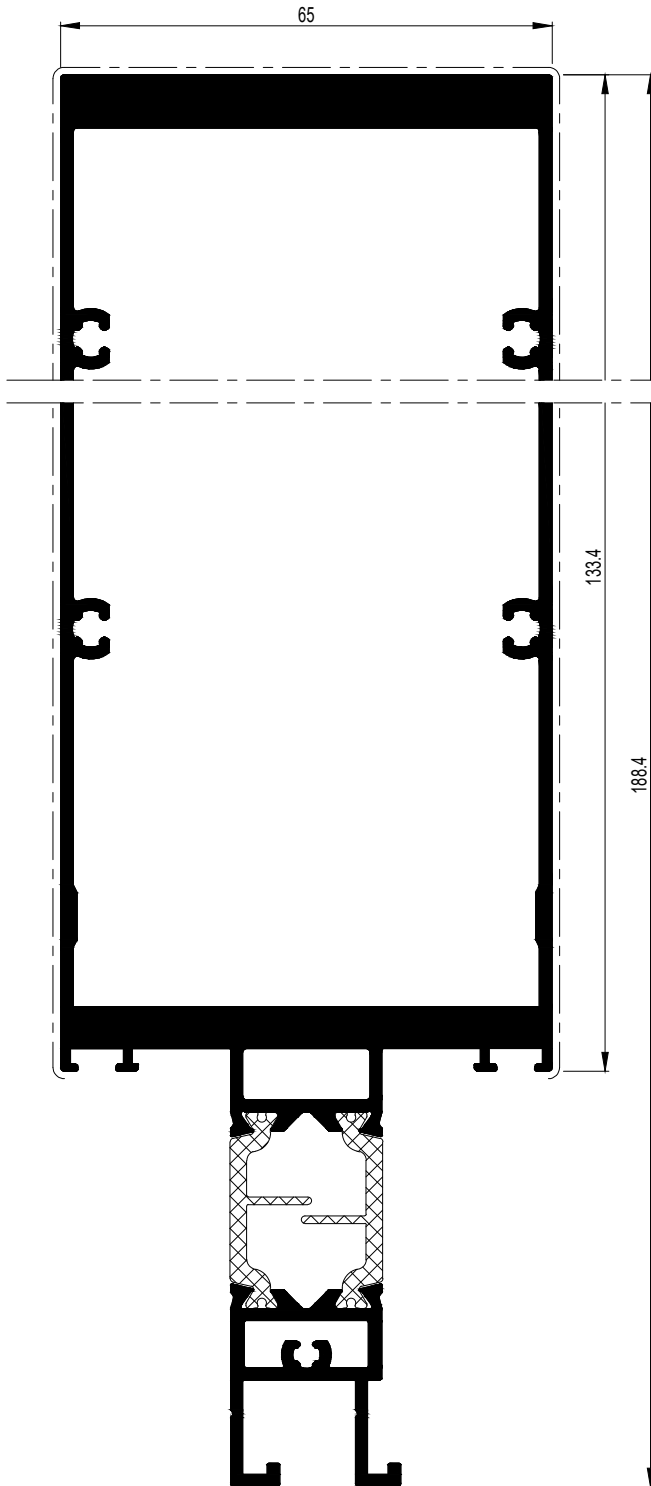


	C07.1280.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

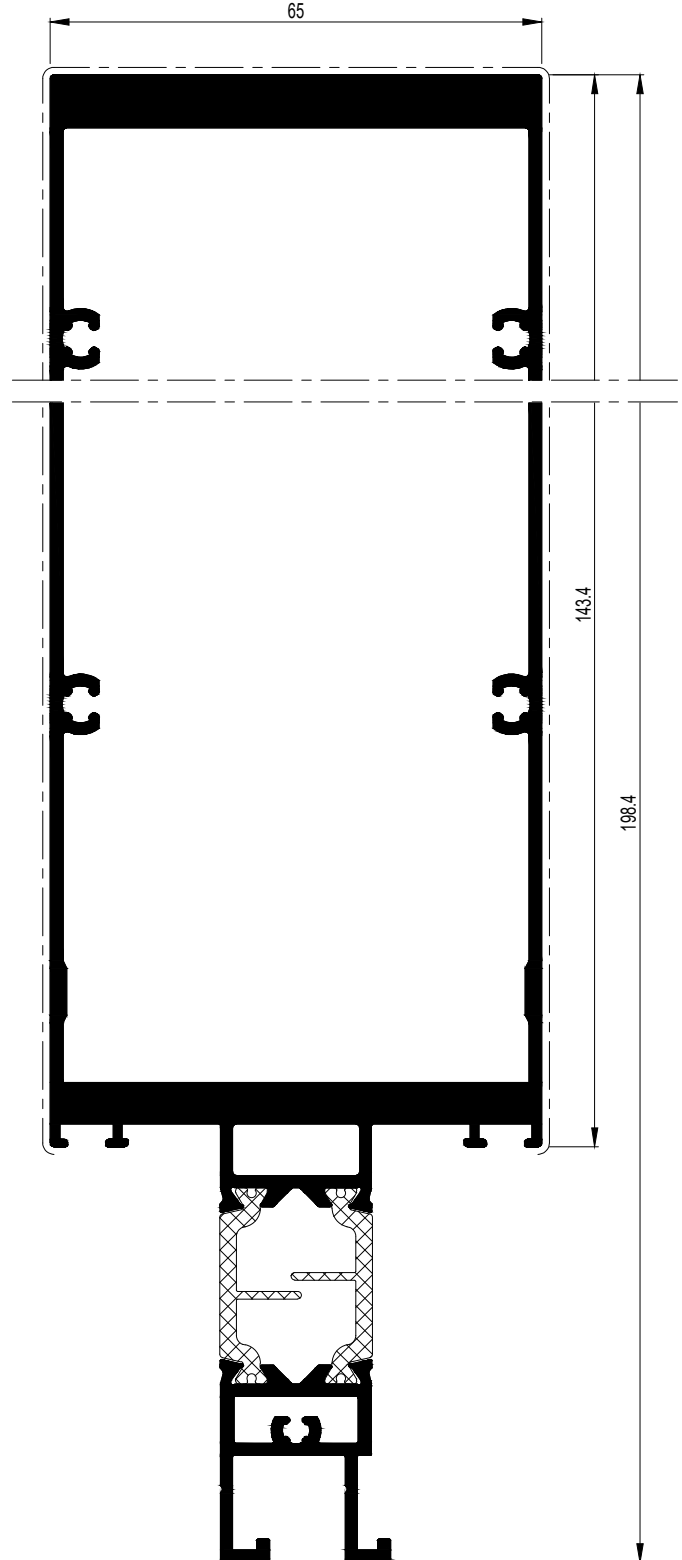
	C07.2280.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
107.0280.XX	63.10	33.2	7.00	516.943	47.127	109.69	78.503	24.077	32.61	
C07.3280.XX	57.29	35.2	7.00	596.298	52.145	114.35	81.910	25.122	32.61	

107.0280.XX

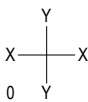


C07.3280.XX

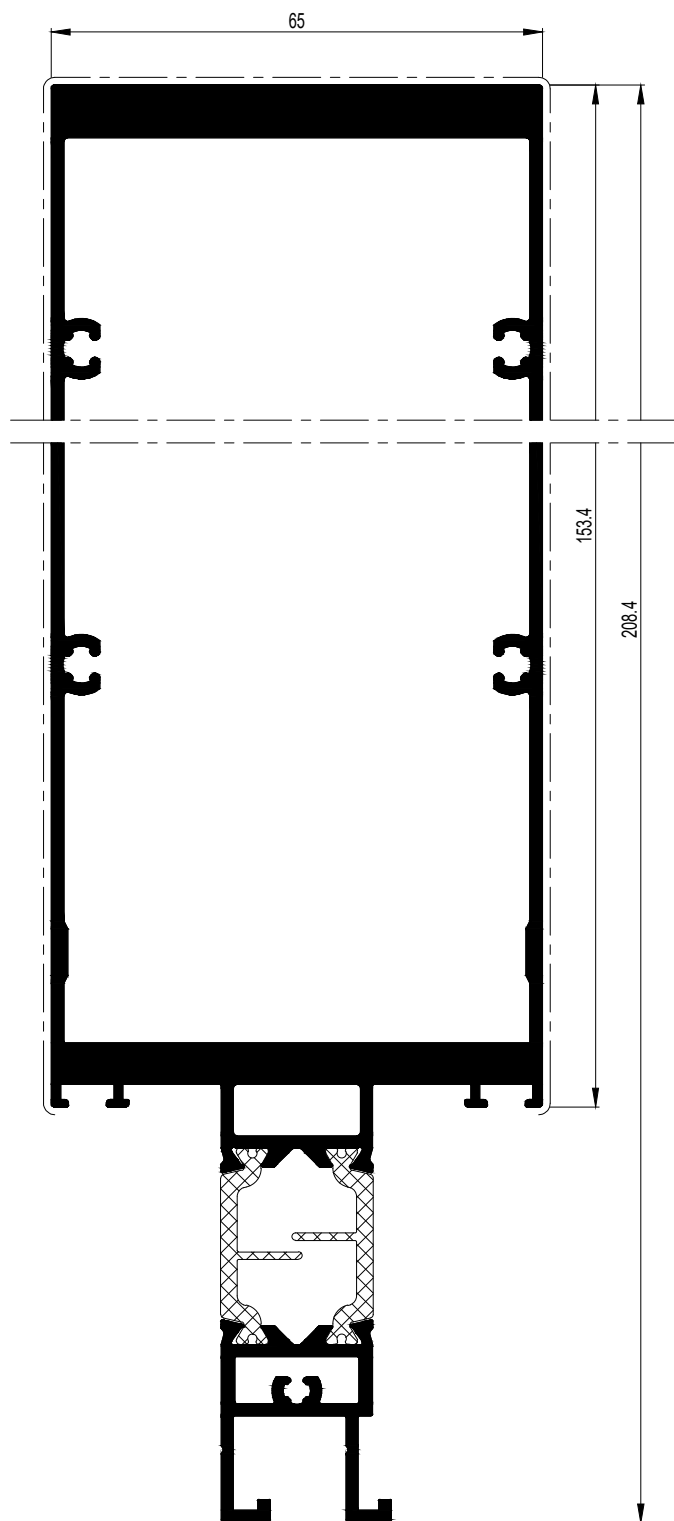


	107.0280.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

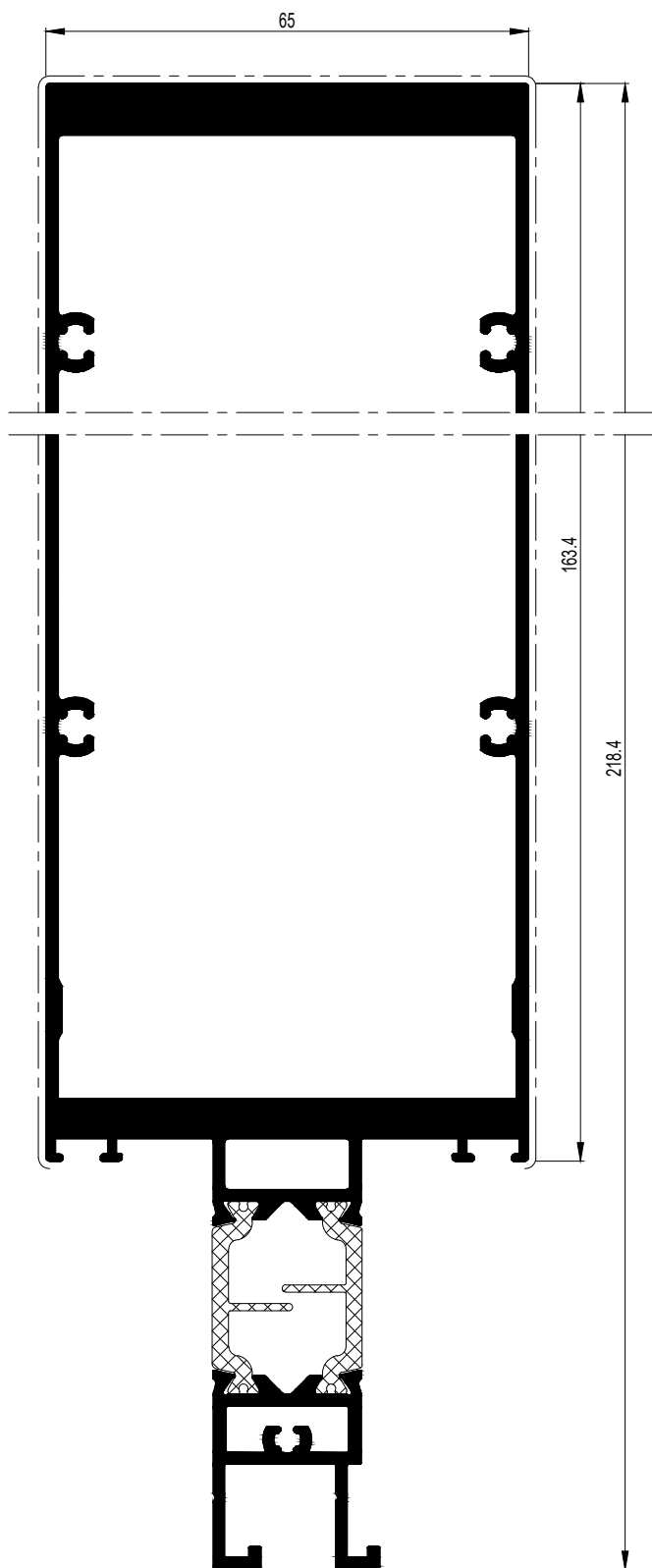
	C07.3280.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
C07.4280.XX	59.29	37.2	7.00	682.496	57.338	119.03	85.317	26.167	32.61	X Y 0
C07.5280.XX	61.29	39.2	7.00	775.683	62.697	123.72	88.724	27.212	32.61	

C07.4280.XX



C07.5280.XX

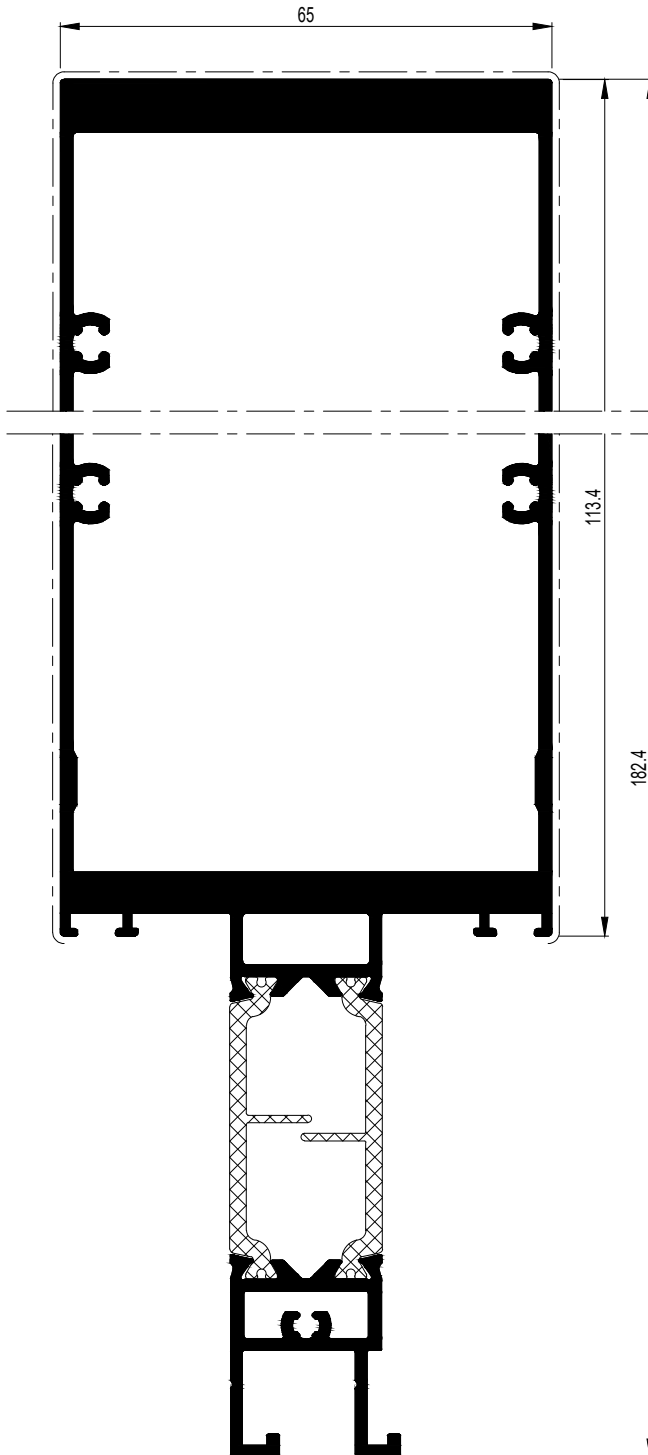


	C07.4280.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

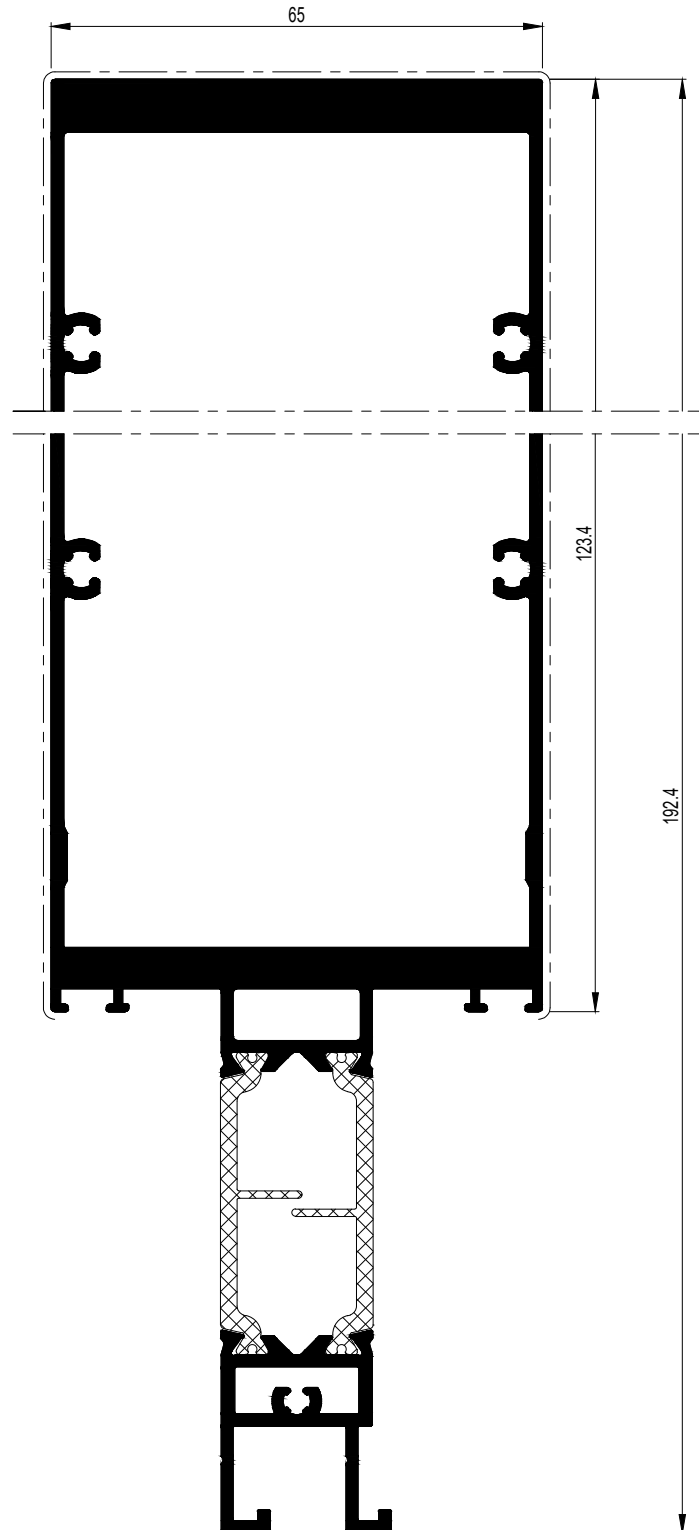
	C07.5280.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1281.XX	51.29	29.2	7.00	394.634	35.027	112.67	71.690	21.987	32.61	
C07.2281.XX	53.29	31.2	7.00	458.821	39.103	117.34	75.097	23.032	32.61	

C07.1281.XX

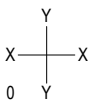


C07.2281.XX

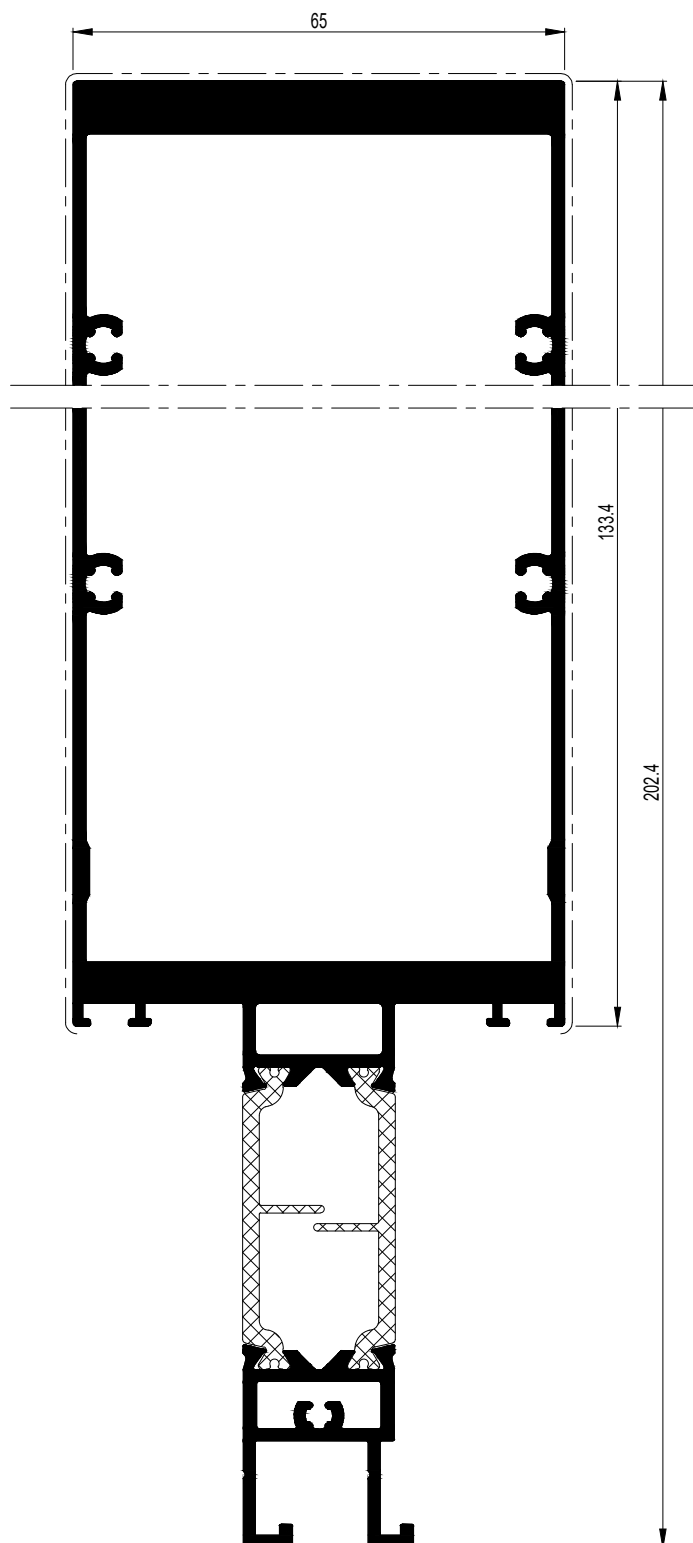


	C07.1281.XX	
	152.5301.- (4x) 152.5201.-- (1x)	---

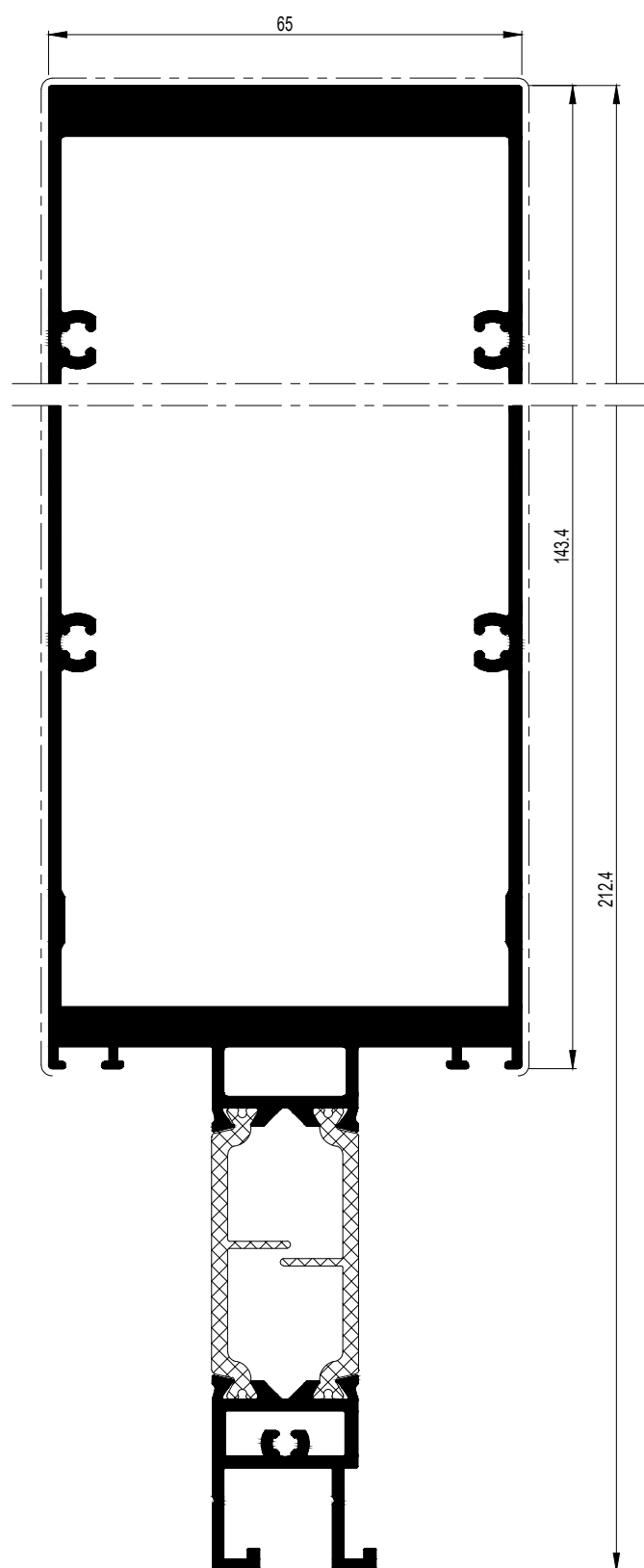
	C07.2281.XX	
	152.5301.- (4x) 152.5201.-- (1x)	---

	 $\frac{A}{dm^2/m}$	 $\frac{P}{dm^2/m}$	 L_m	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
107.0281.XX	63.10	33.2	7.00	529.178	43.367	122.02	78.503	24.077	32.61	
C07.3281.XX	57.29	35.2	7.00	605.844	47.810	126.72	81.910	25.122	32.61	

107.0281.XX



C07.3281.XX

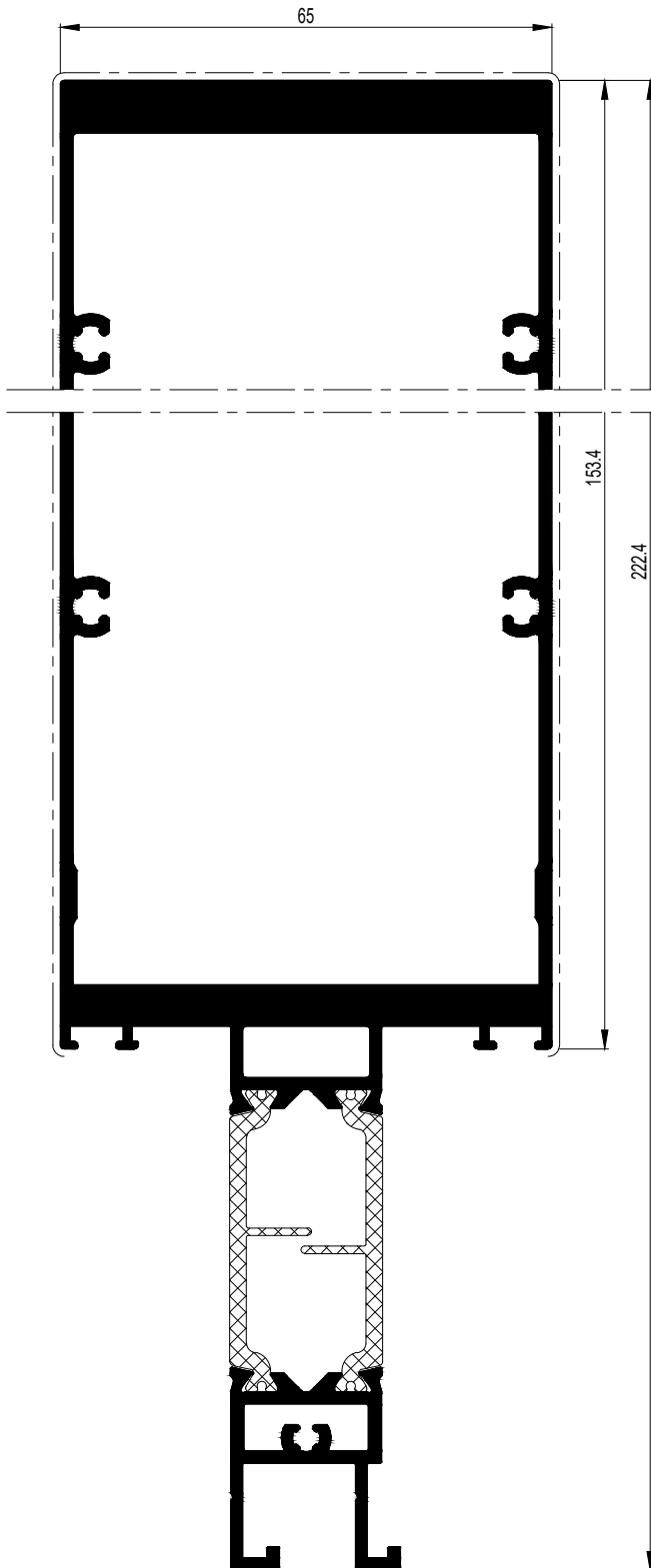


	107.0281.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

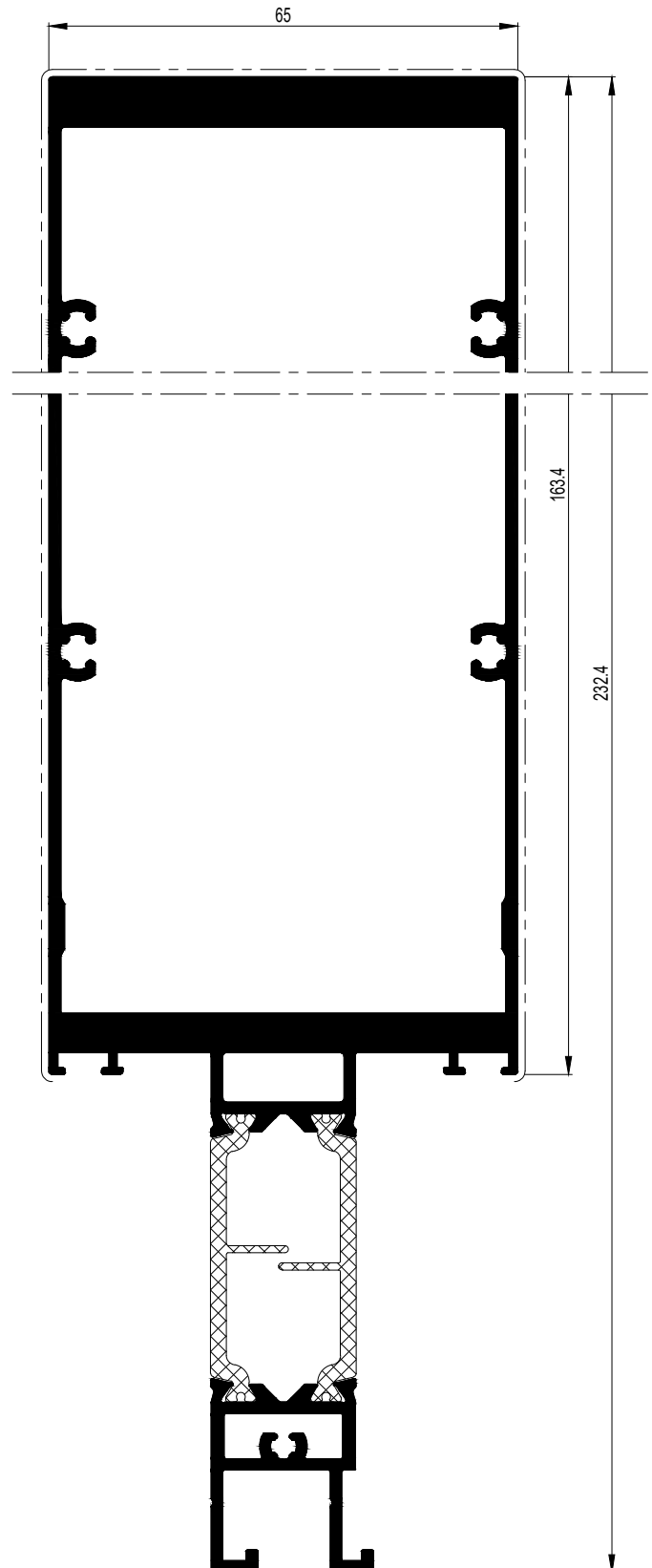
	C07.3281.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.4281.XX	59.29	37.2	7.00	688.955	52.420	131.43	85.317	26.167	32.61	
C07.5281.XX	61.29	39.2	7.00	778.649	57.190	136.15	88.724	27.212	32.61	

C07.4281.XX

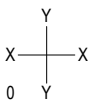


C07.5281.XX

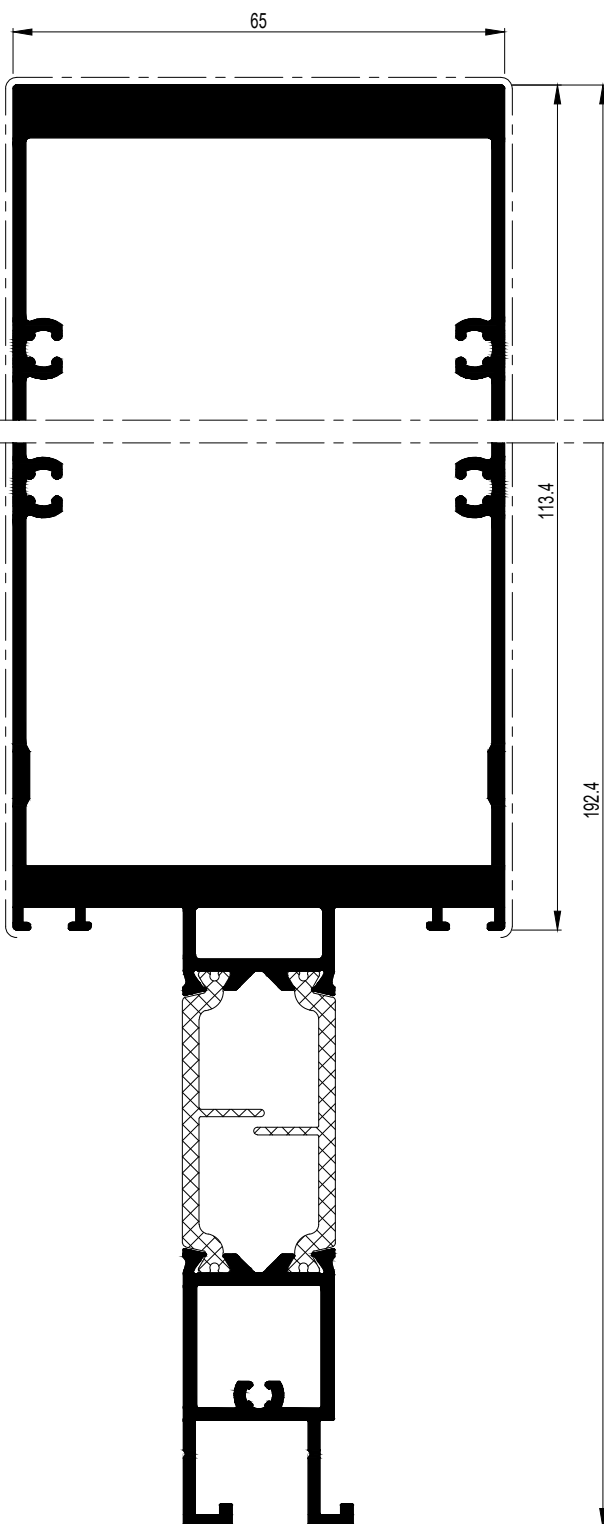


	C07.4281.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

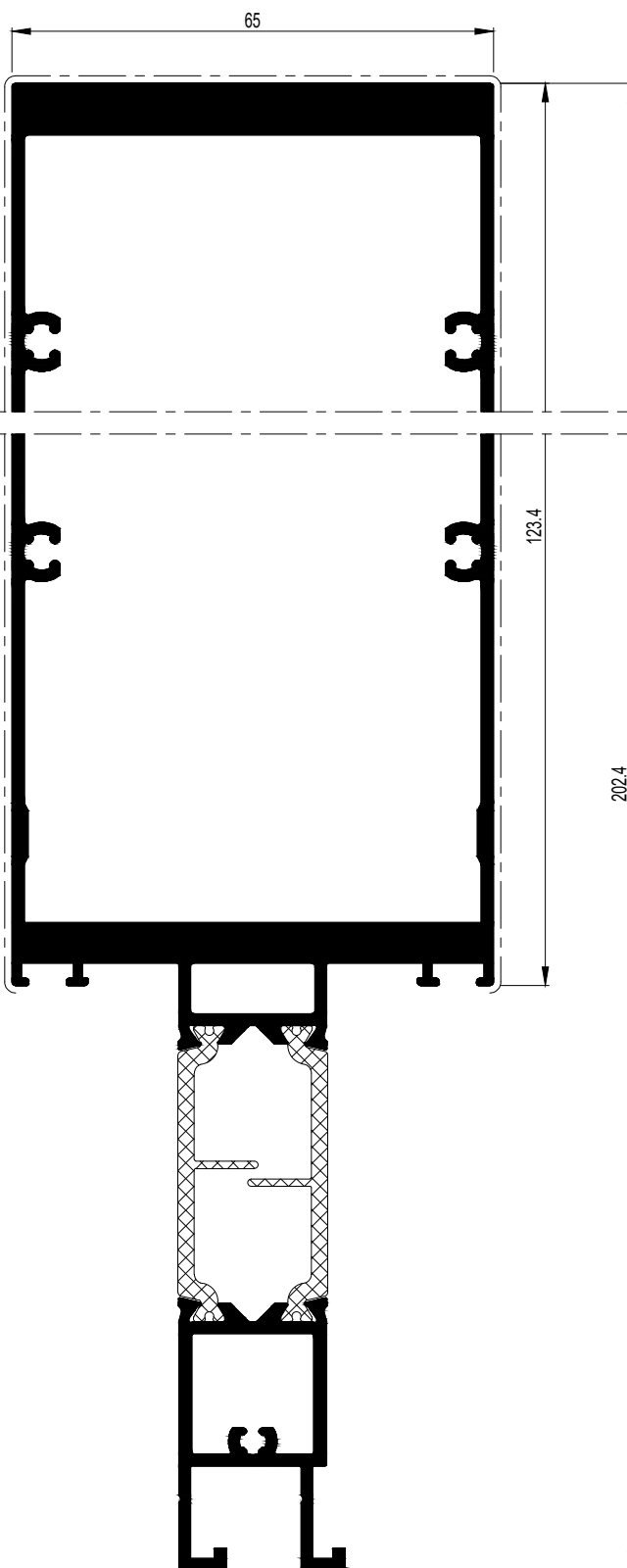
	C07.5281.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1282.XX	61.10	29.2	7.00	442.375	36.990	119.60	71.989	22.079	32.61	
C07.2282.XX	55.29	31.2	7.00	510.128	41.065	124.23	75.396	23.124	32.61	

C07.1282.XX



C07.2282.XX

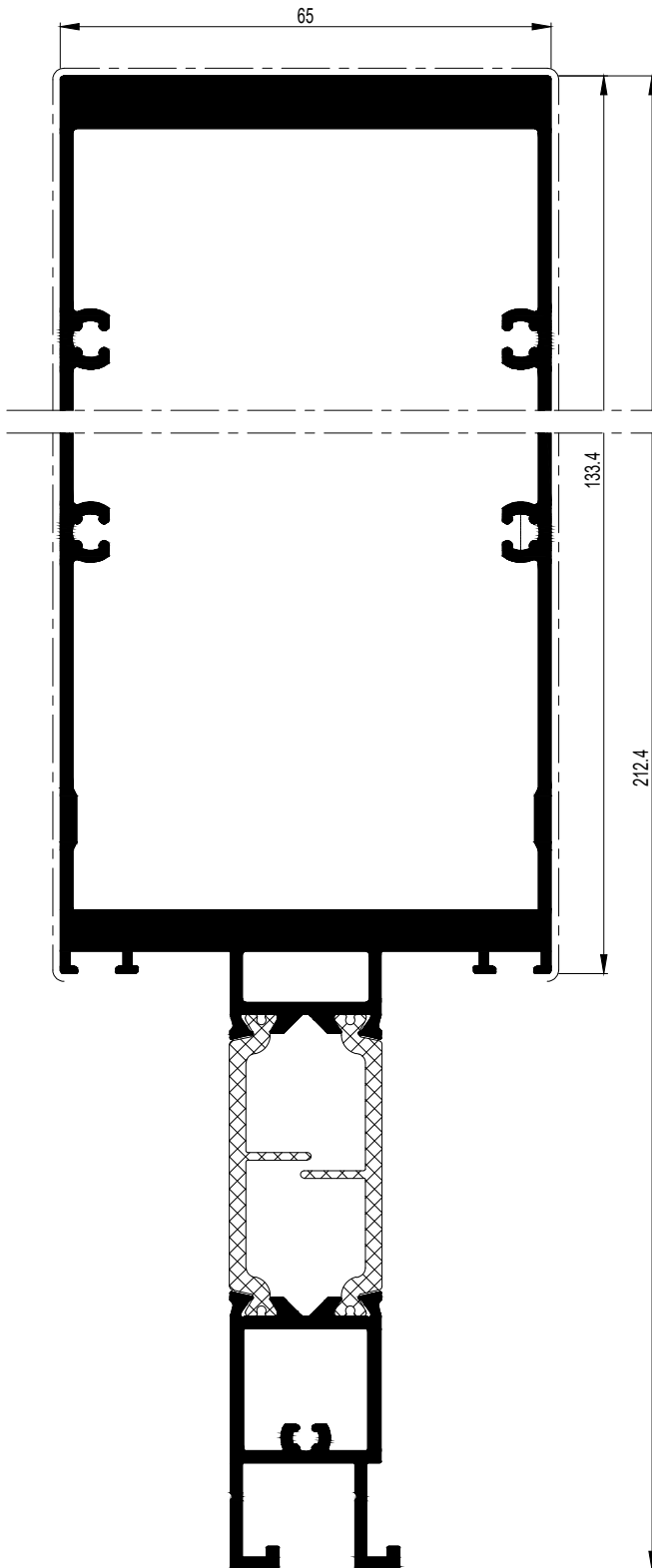


	C07.1282.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

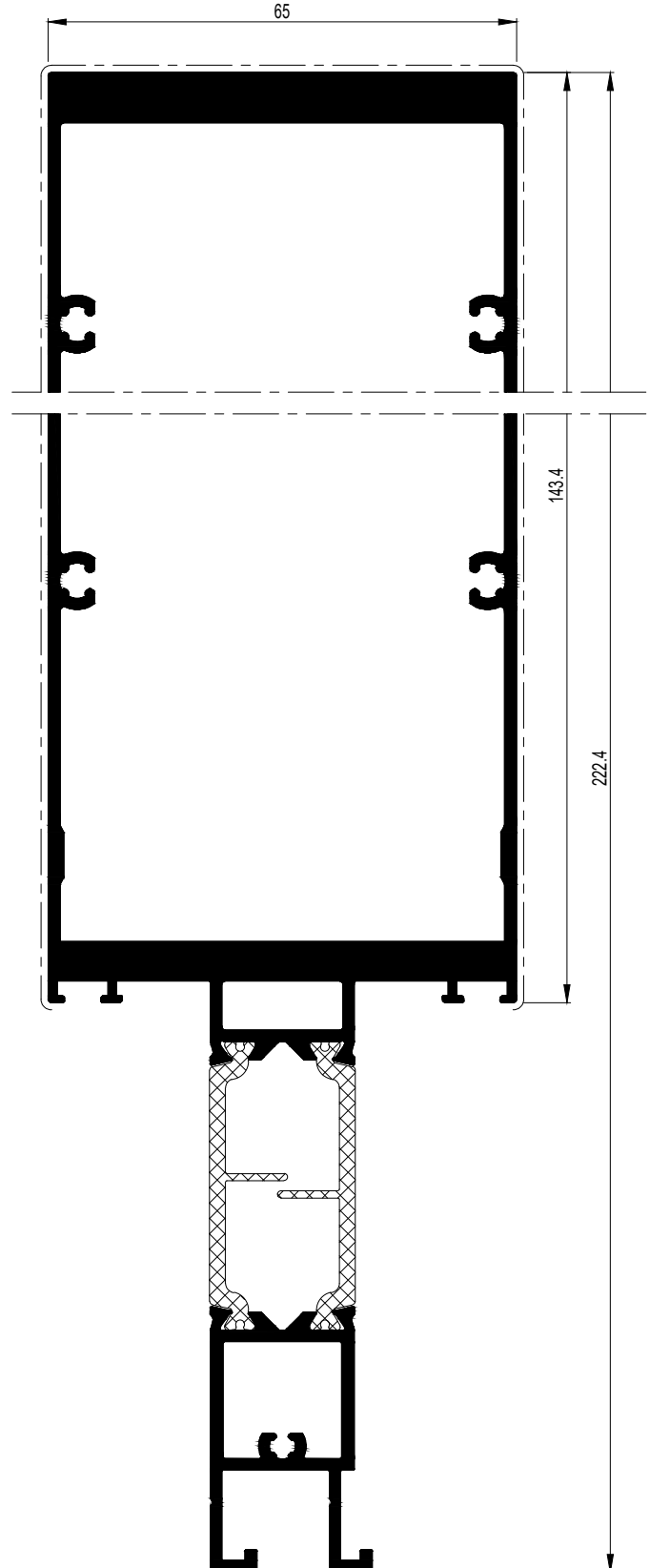
	C07.2282.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \overrightarrow{}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
107.0282.XX	65.10	33.2	7.00	584.189	45.331	128.87	78.803	24.169	32.61	
C07.3282.XX	59.29	35.2	7.00	664.695	49.778	133.53	82.209	25.214	32.61	

107.0282.XX

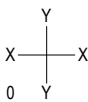


C07.3282.XX

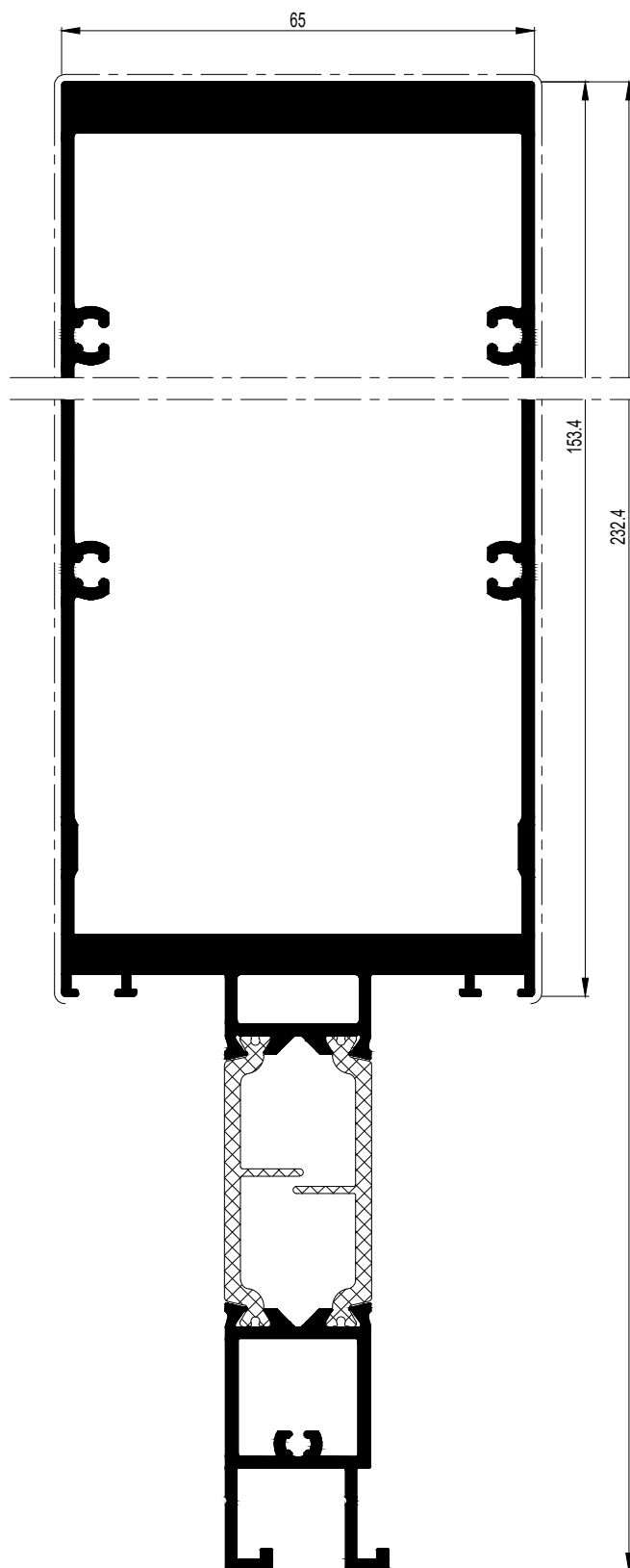


	107.0282.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	C07.3282.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

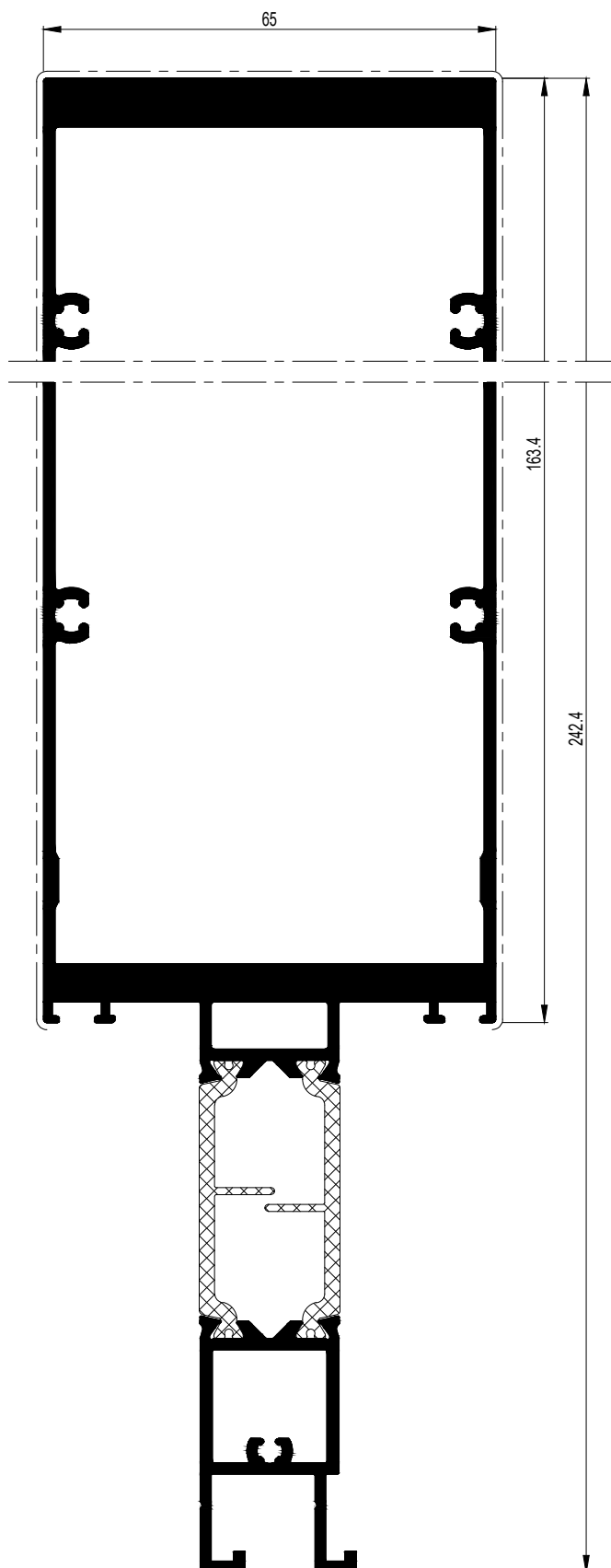
	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.4282.XX	61.29	37.2	7.00	751.785	54.396	138.21	85.616	26.259	32.61	
C07.5282.XX	63.29	39.2	7.00	845.595	59.177	142.89	89.023	27.304	32.61	

C07.4282.XX



	C07.4282.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

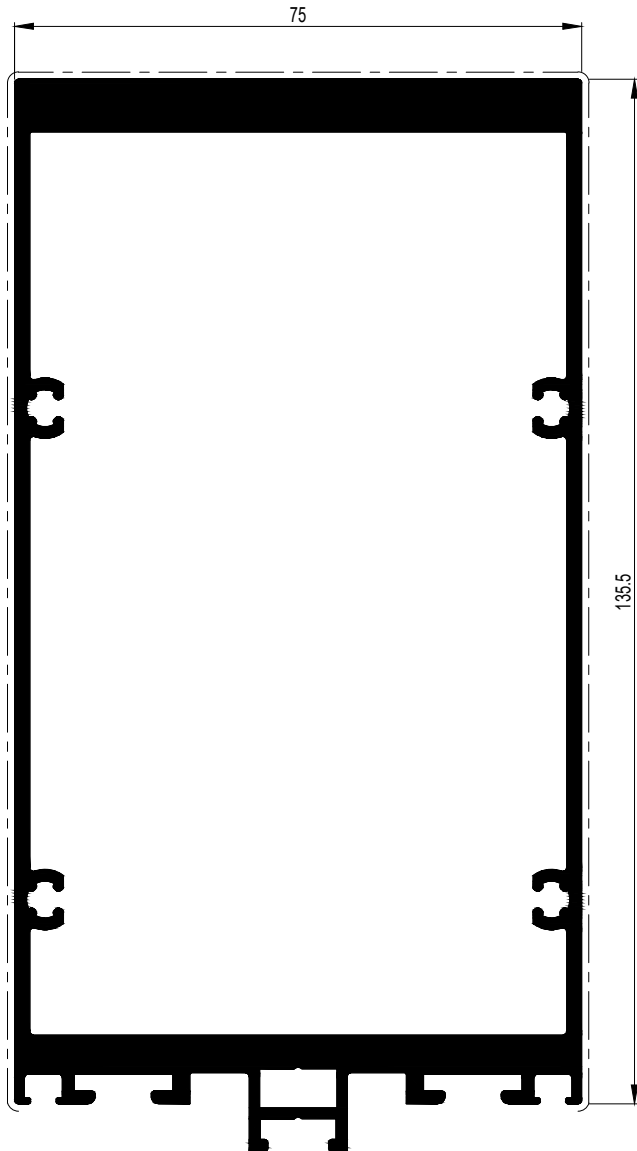
C07.5282.XX



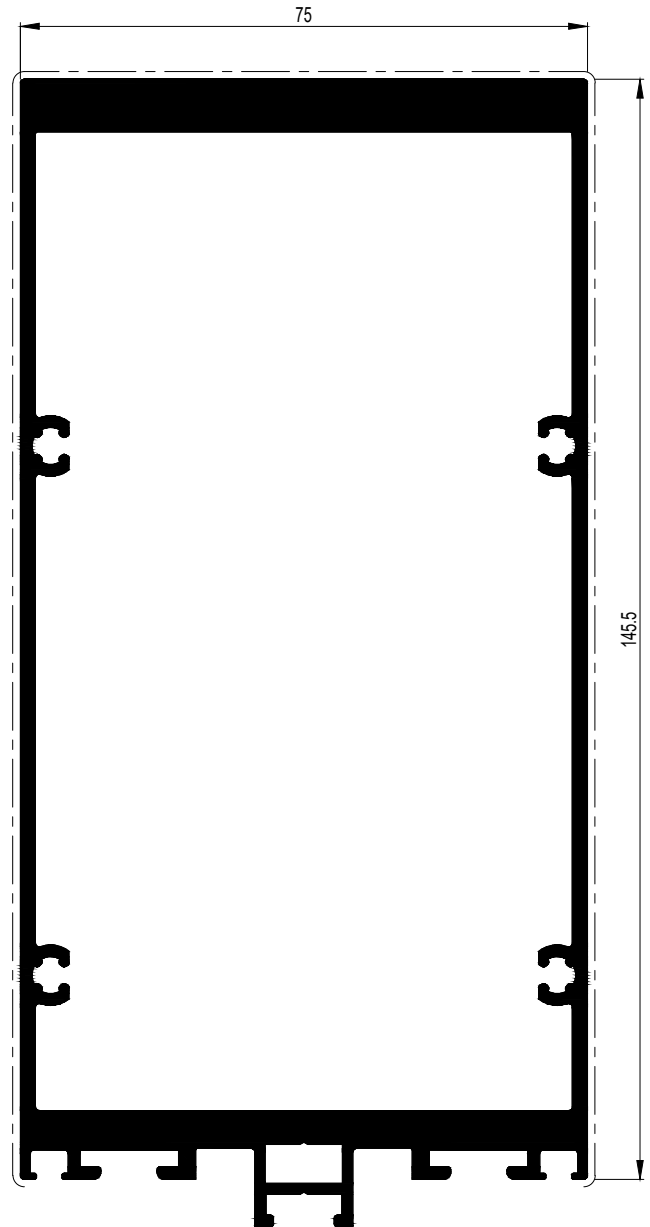
	C07.5282.XX	
	152.5301.-- (4x) 152.5201.-- (1x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.1580.XX	51.58	34.6	7.00	472.567	62.064	76.14	118.294	31.458	37.60	
C07.2580.XX	53.58	36.6	7.00	556.337	68.576	81.13	123.624	32.876	37.60	

C07.1580.XX

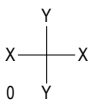


C07.2580.XX

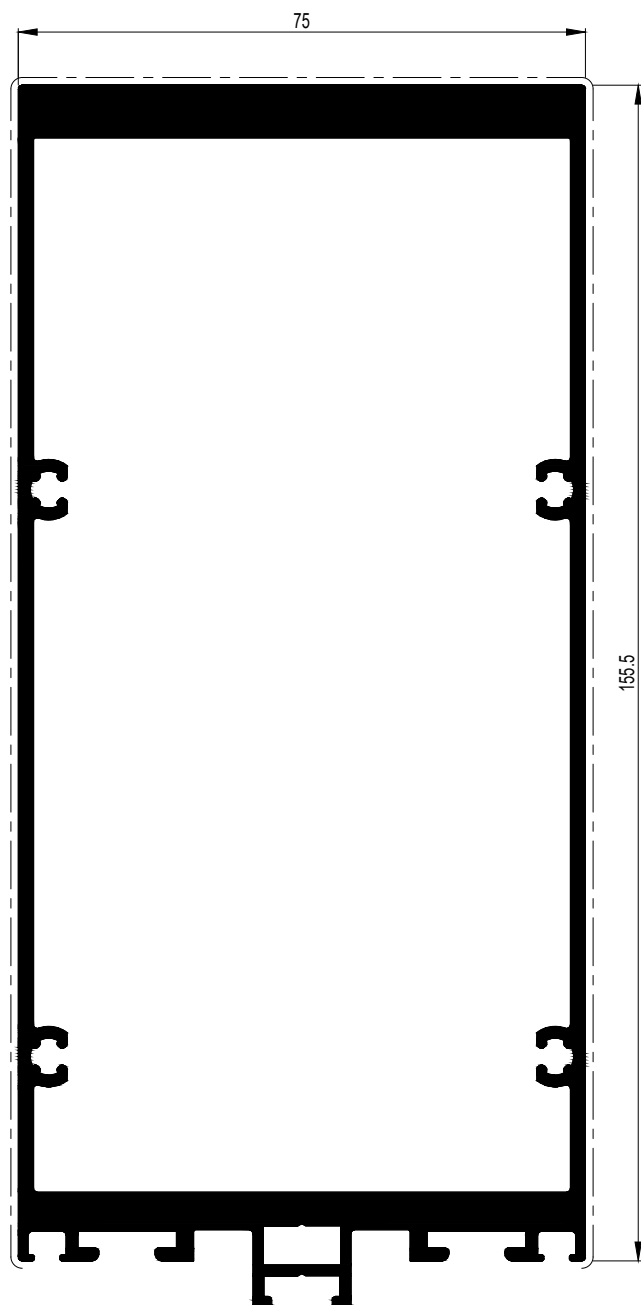


	C07.1580.XX	
	052.5330.-- (4x) 052.5336.-- (2x) C73.1517.00	---
	152.5301.-- (4x)	---

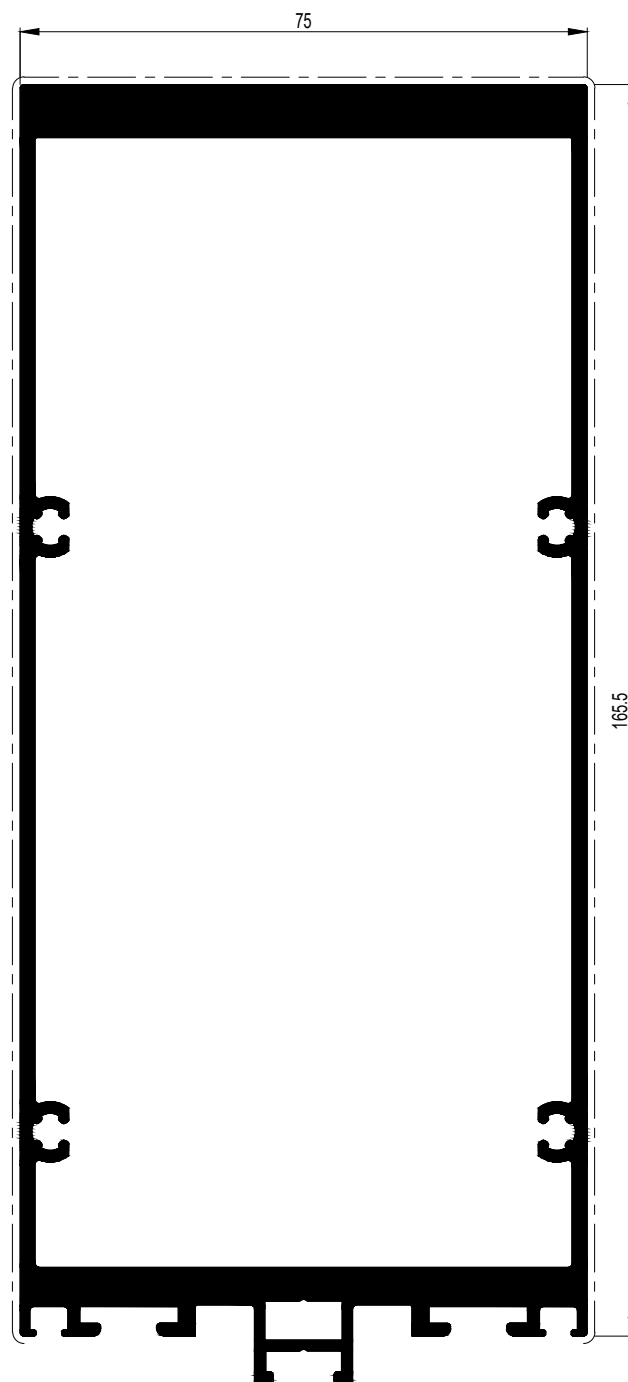
	C07.2580.XX	
	052.5330.-- (4x) 052.5336.-- (2x) C73.2517.00	---
	152.5301.-- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
107.0580.XX	55.58	38.6	7.00	647.930	75.242	86.11	128.954	34.293	37.60	
C07.3580.XX	57.58	40.6	7.00	747.545	82.058	91.10	134.285	35.711	37.60	

107.0580.XX

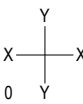


C07.3580.XX

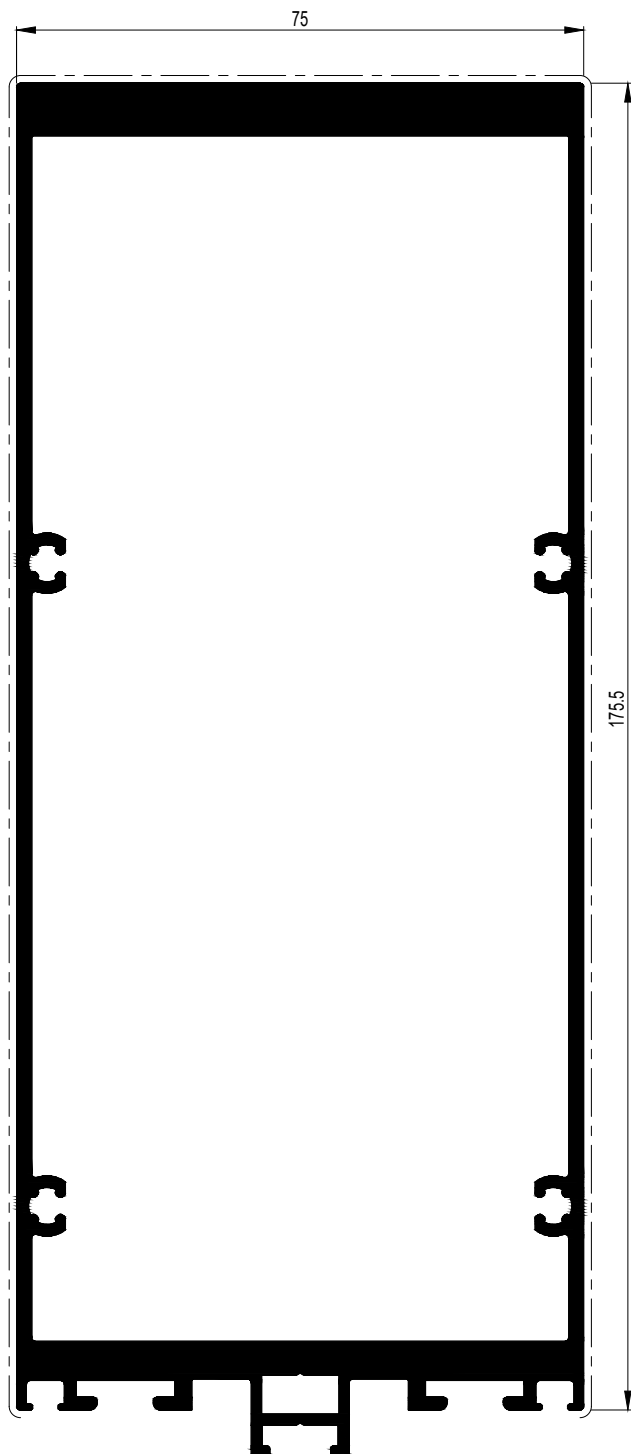


	107.0580.XX	
	052.5330.-- (4x) 052.5336.-- (2x) 173.7517.00	---
	152.5301.-- (4x)	---

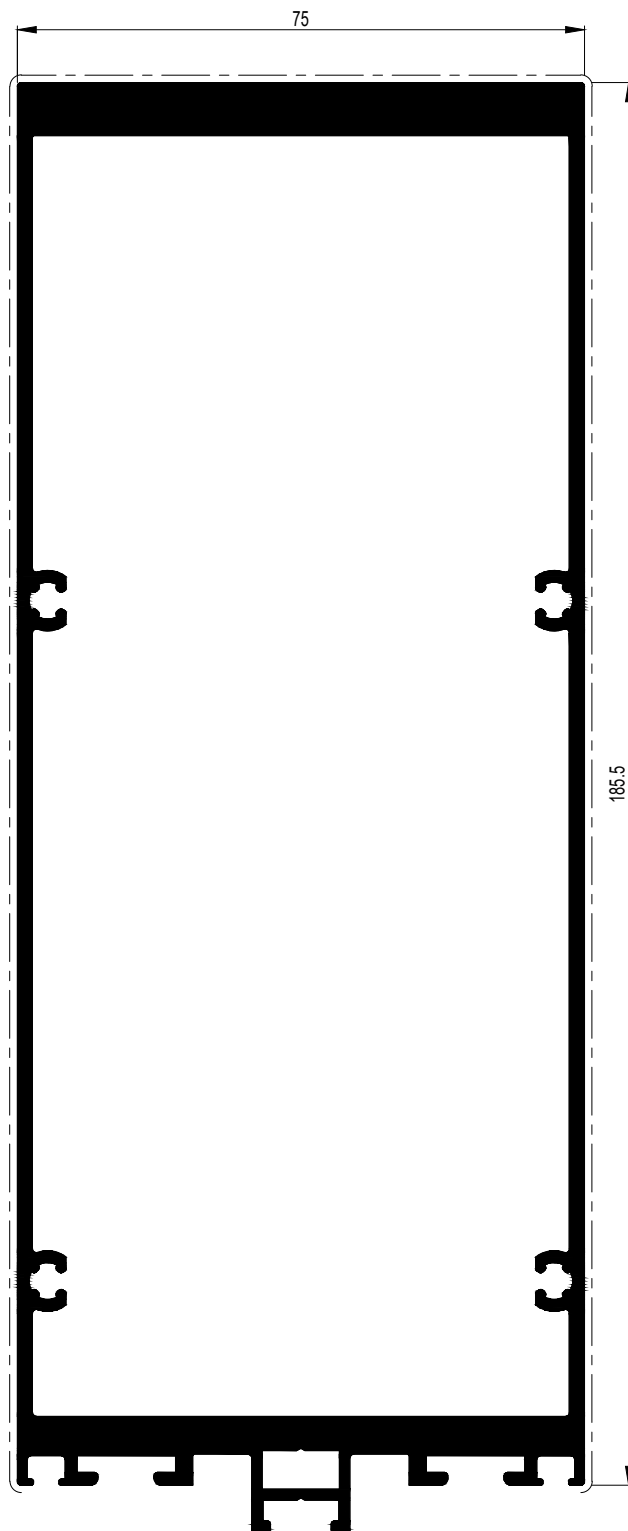
	C07.3580.XX	
	052.5330.-- (4x) 052.5336.-- (2x) C73.3517.00	---
	152.5301.-- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
C07.4580.XX	59.58	42.6	7.00	855.384	89.022	96.09	139.615	37.128	37.60	
C07.5580.XX	61.58	44.6	7.00	971.646	96.131	101.08	144.945	38.546	37.60	

C07.4580.XX

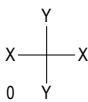


C07.5580.XX

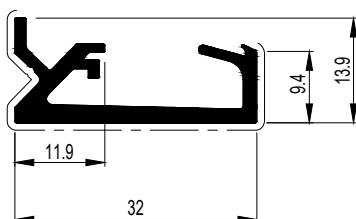


	C07.4580.XX	
	052.5330.-- (4x) 052.5336.-- (2x) C73.4517.00	---
	152.5301.-- (4x)	---

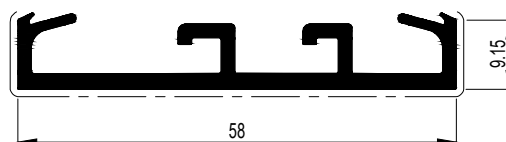
	C07.5580.XX	
	052.5330.-- (4x) 052.5336.-- (2x) C73.5517.00	---
	152.5301.-- (4x)	---

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
107.0225.XX	14.32	5.8	7.00	0.179	0.184	4.21	1.539	0.868	14.37	
107.0227.XX	15.92	6.6	7.00	0.402	0.313	5.57	1.906	1.183	16.00	
107.0236.XX	22.08	7.6	7.00	0.185	0.279	3.35	6.577	2.185	30.10	
107.0238.XX	25.28	9.2	7.00	0.647	0.502	5.12	8.854	2.954	29.97	

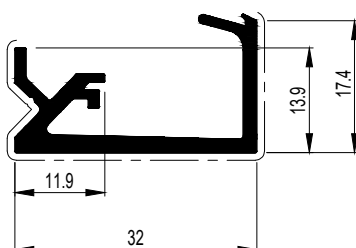
107.0225.XX



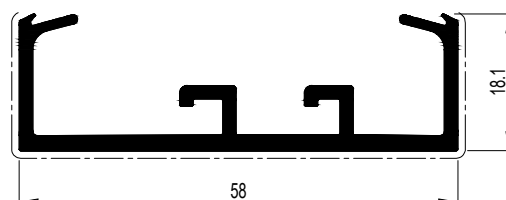
107.0236.XX

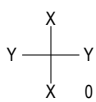


107.0227.XX

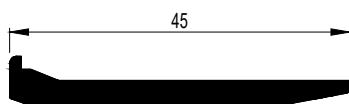


107.0238.XX

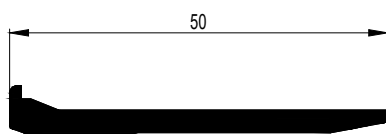


	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \overrightarrow{}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
134.0330.00	9.89	-	7.00	2.464	0.982	25.08	0.018	0.040	2.13	
134.0331.XX	10.89	7.8	7.00	3.383	1.223	27.66	0.019	0.042	2.12	
134.0332.00	14.09	-	7.00	7.755	2.158	35.94	0.023	0.048	2.09	
134.0333.XX	14.89	11.8	7.00	9.240	2.433	37.97	0.024	0.050	2.09	
134.0334.00	16.09	-	7.00	11.881	2.882	41.22	0.026	0.054	2.06	
134.0350.C35	17.68	-	7.00	18.796	4.569	37.86	0.077	0.300	2.43	
134.0351.C35	21.68	-	7.00	37.179	7.248	47.71	0.098	0.383	2.44	

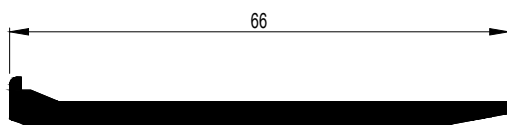
134.0330.00



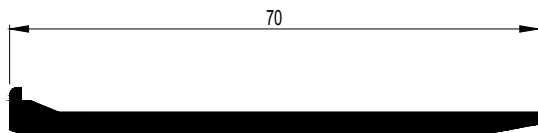
134.0331.XX



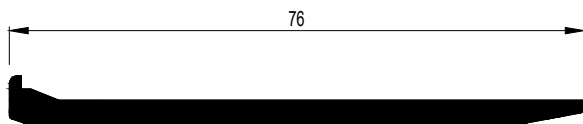
134.0332.00



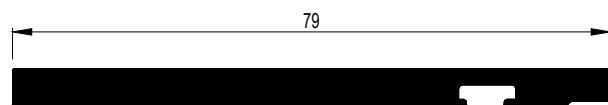
134.0333.XX



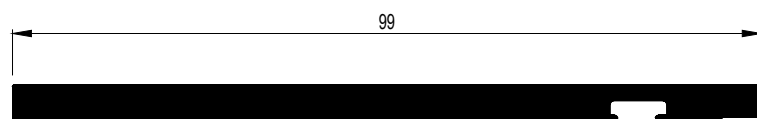
134.0334.00

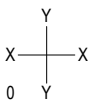


134.0350.C35

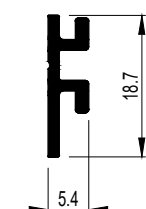


134.0351.C35

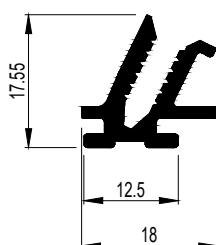


	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftrightarrow{L_m}$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
134.1116.17SG	6.57	-	7.00	0.123	0.117	10.57	0.015	0.044	2.13	
134.1117.00	-	-	7.00	0.252	0.254	9.47	0.146	0.153	7.22	
107.0102.17SG	12.87	-	7.00	1.587	0.901	17.61	0.911	0.532	9.36	
134.0600.04	0.01	-	7.00	1.425	0.833	16.19	0.382	0.552	6.91	
134.0601.04	0.01	-	7.00	5.485	1.944	25.10	0.626	0.906	6.91	

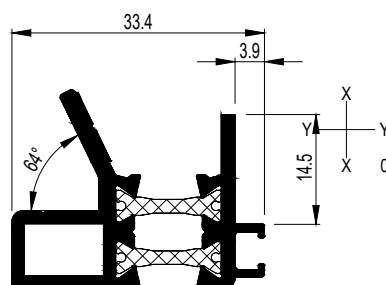
134.1116.17SG



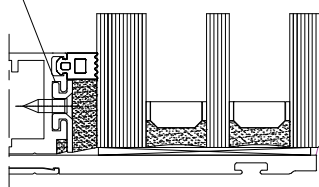
134.1117.00



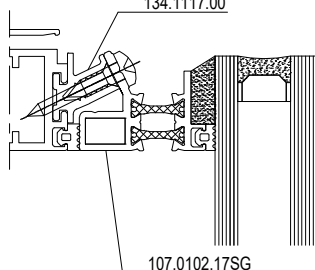
107.0102.17SG



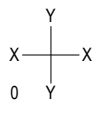
134.1116.17SG



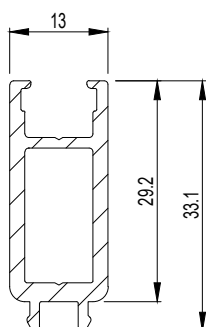
134.1117.00



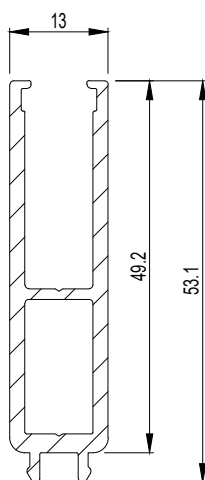
107.0102.17SG

	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m}$	$I_x cm^4$	$W_x cm^3$	$a_x mm$	$I_y cm^4$	$W_y cm^3$	$a_y mm$	
134.0600.04	-	-	7.00	-	-	-	-	-	-	
134.0601.04	-	-	7.00	-	-	-	-	-	-	
034.0617.XX	5.28	1.2	7.00	-	-	-	-	-	-	
034.0514.XX	6.06	0.2	7.00	-	-	-	-	-	-	
034.0618.XX	6.88	2.0	7.00	-	-	-	-	-	-	
034.0615.XX	10.45	3.3	7.00	-	-	-	-	-	-	
034.0619.XX	11.25	3.7	7.00	-	-	-	-	-	-	
034.0616.XX	12.23	4.9	7.00	-	-	-	-	-	-	
034.0420.XX	13.85	6.5	7.00	-	-	-	-	-	-	
034.0610.04	-	-	7.00	-	-	-	-	-	-	
034.0611.04	-	-	7.00	-	-	-	-	-	-	

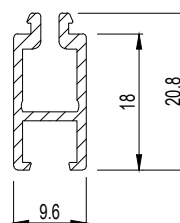
134.0600.04



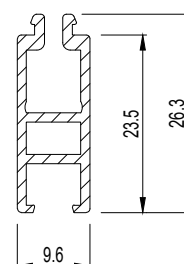
134.0601.04



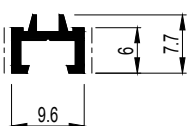
034.0610.04



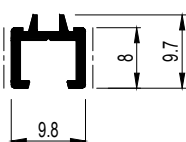
034.0611.04



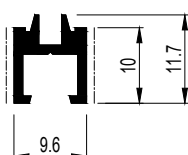
034.0617.XX



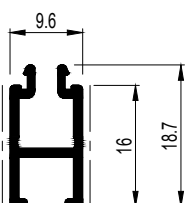
034.0514.XX



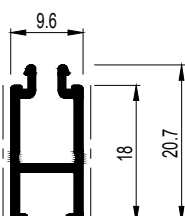
034.0618.XX



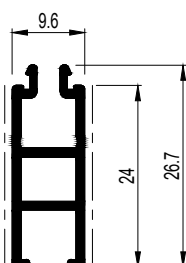
034.0615.XX



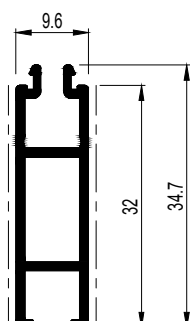
034.0619.XX

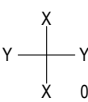


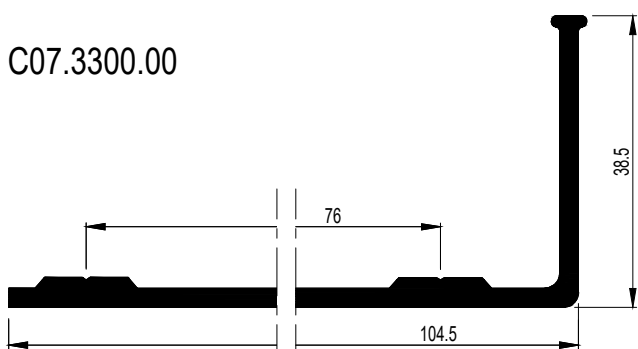
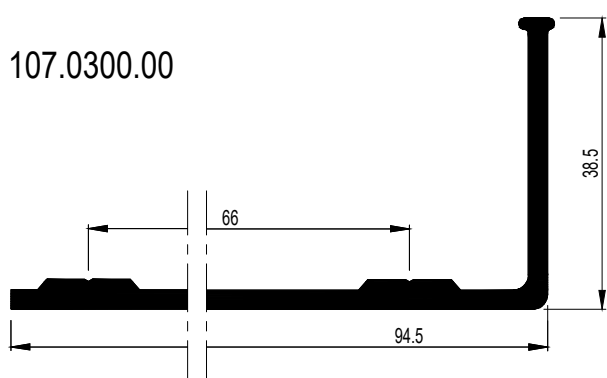
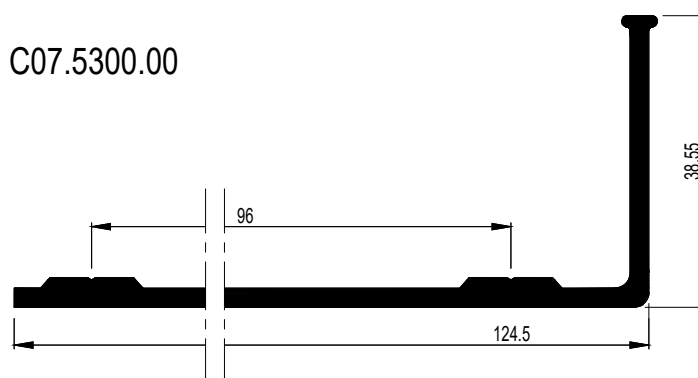
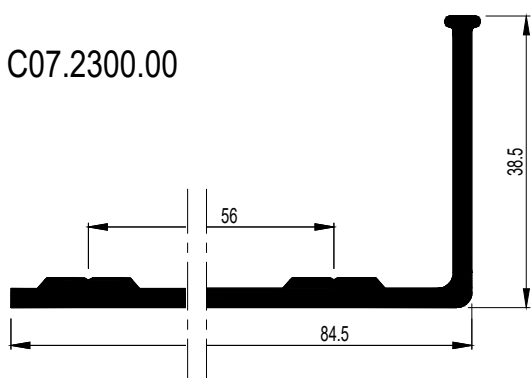
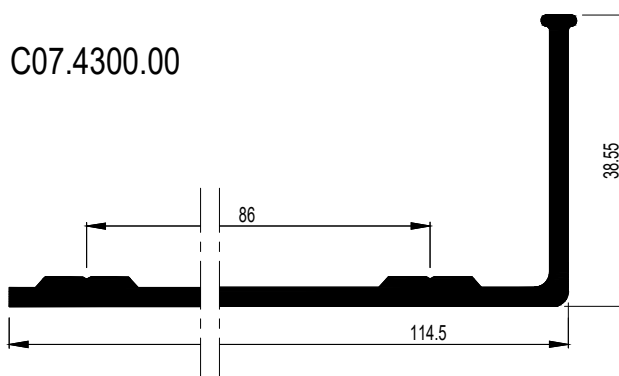
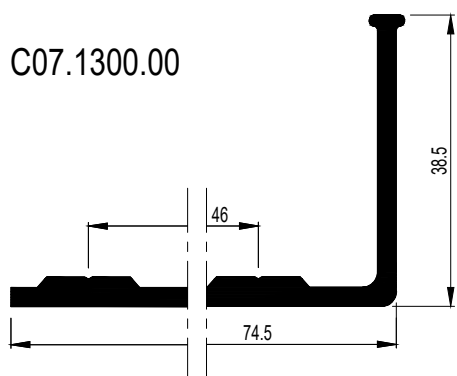
034.0616.XX



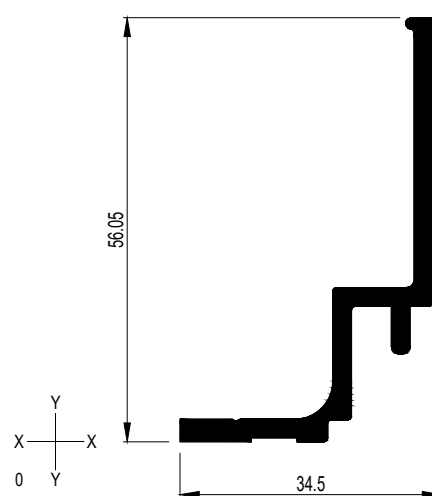
034.0420.XX



	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\leftarrow L_m \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	ax mm	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	ay mm	
C07.1300.00	22.99	-	7.00	3.578	1.143	7.71	19.478	4.112	47.37	
C07.2300.00	24.99	-	7.00	3.665	1.155	7.27	27.265	5.147	52.97	
107.0300.00	26.99	-	7.00	3.740	1.164	6.88	36.744	6.282	58.49	
C07.3300.00	28.99	-	7.00	3.806	1.172	6.54	48.045	7.514	63.94	
C07.4300.00	30.99	-	7.00	3.863	1.179	6.25	61.300	8.841	69.34	
C07.5300.00	32.99	-	7.00	3.915	1.185	5.99	76.638	10.261	74.69	
107.0110.00	19.06	-	7.00	2.102	0.875	10.54	6.745	1.897	20.75	

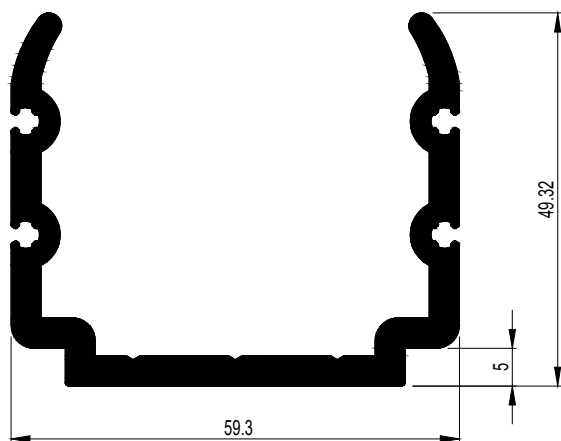


107.0110.00

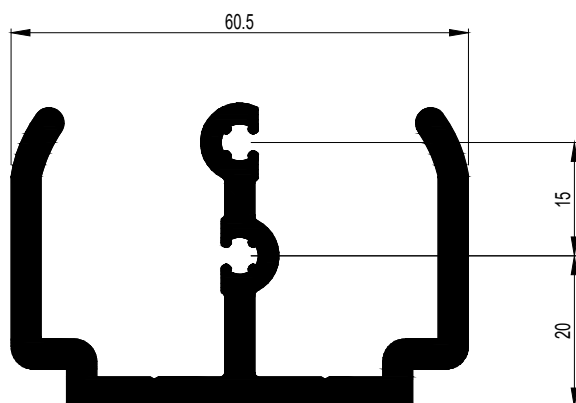


	$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
034.1651.00	34.61	-	7.00	13.995	4.325	17.74	32.516	10.742	30.27	
134.1651.00	0.01	-	7.00	27.793	9.003	30.87	10.462	3.978	15.73	

034.1651.00

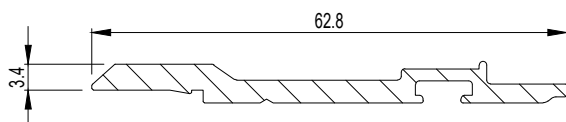


134.1651.00

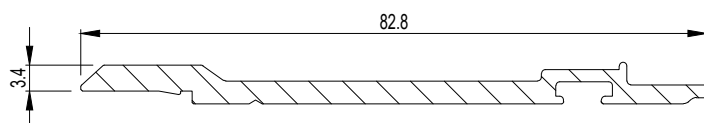


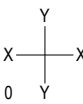
	 A dm ² /m	 P dm ² /m	 L _m	I _x cm ⁴	W _x cm ³	a _x mm	I _y cm ⁴	W _y cm ³	a _y mm	
134.0302.04	-	-	7.00	5.735	1.729	33.18	0.032	0.097	2.28	
134.0304.04	-	-	7.00	13.506	3.110	43.42	0.039	0.112	2.10	

134.0302.04

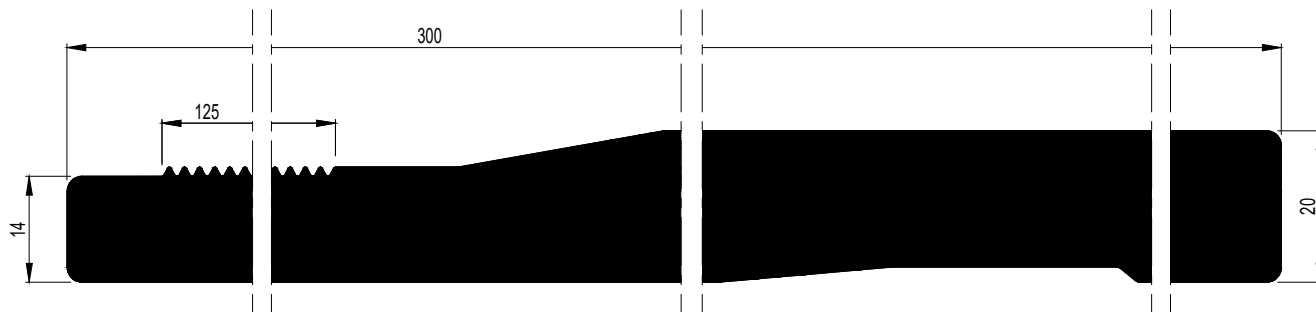


134.0304.04



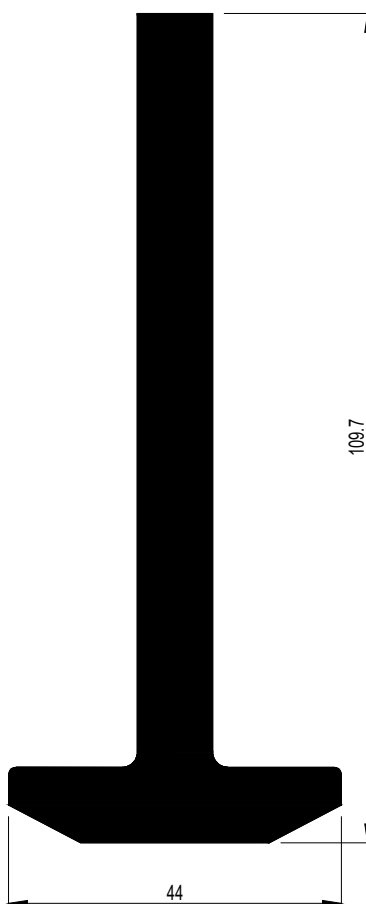
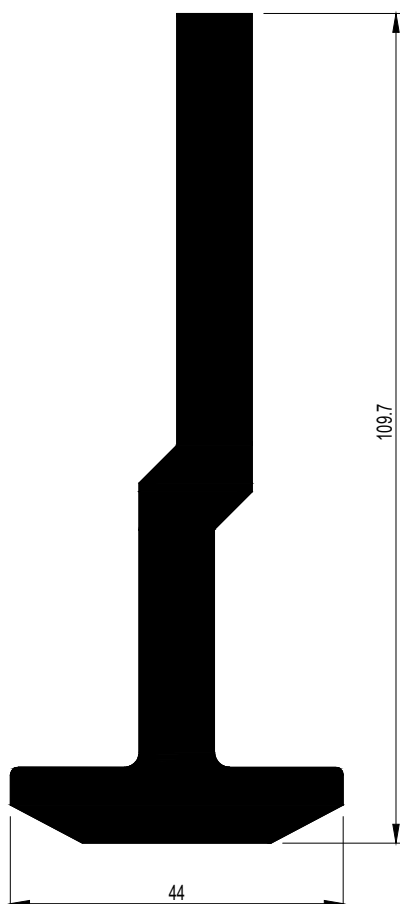
		$\frac{A}{dm^2/m}$	$\frac{P}{dm^2/m}$	$\overleftarrow{L_m} \rightarrow$	$I_x \text{ cm}^4$	$W_x \text{ cm}^3$	$a_x \text{ mm}$	$I_y \text{ cm}^4$	$W_y \text{ cm}^3$	$a_y \text{ mm}$	
134.6300.00		71.23	-	3.00	13.528	11.695	9.26	3746.970	232.658	161.05	
134.6301.00		30.14	-	7.00	166.556	25.543	44.50	7.129	2.914	24.47	
134.6302.00		29.73	-	7.00	166.520	25.516	44.44	6.206	2.794	22.21	
134.6303.00		20.93	-	7.00	3.532	3.071	11.50	12.414	4.047	19.33	

134.6300.00

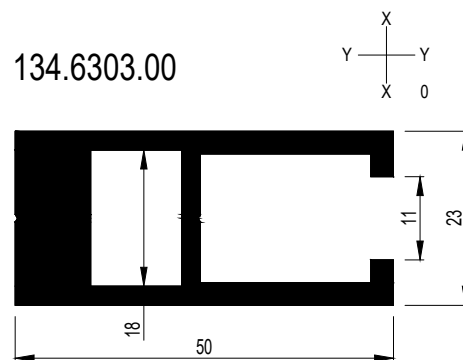


134.6301.00

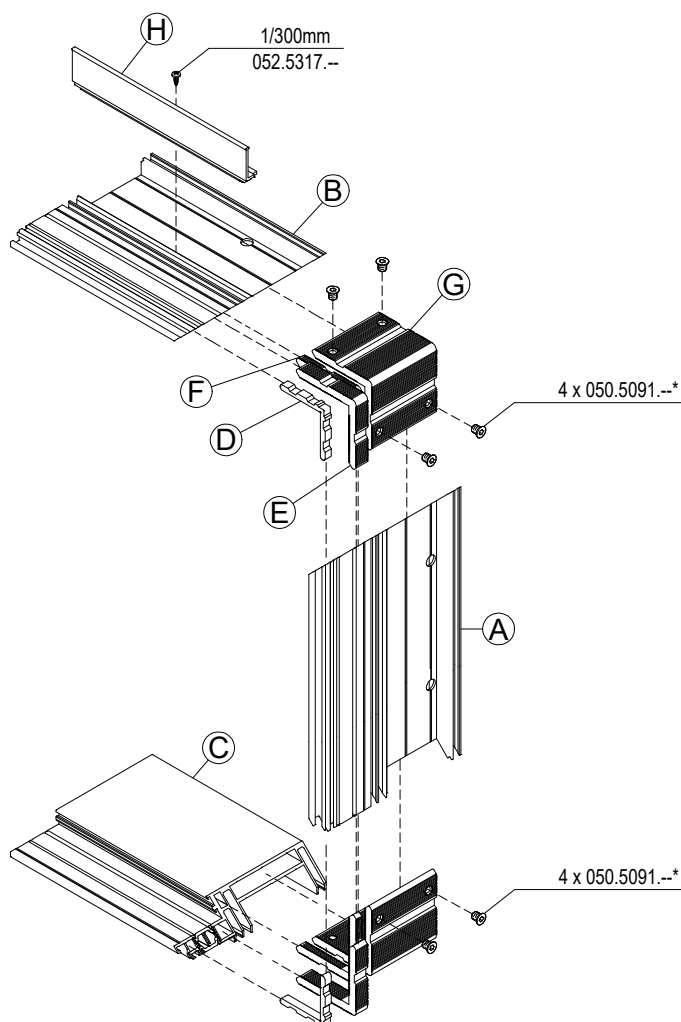
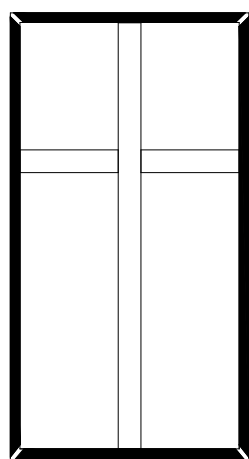
134.6302.00



134.6303.00

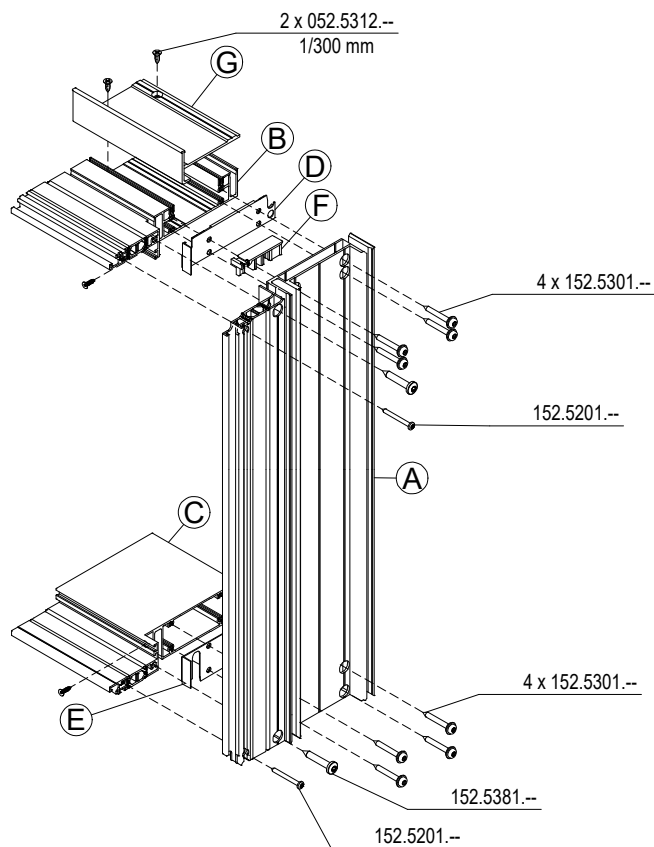
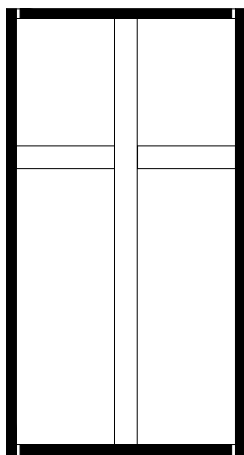


(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)			
107.0210.XX	107.0210.XX	107.0220.XX	168.6510.00	168.6512.00	168.6520.00	168.6522.00	107.0110.00			
C07.1210.XX	C07.1210.XX	C07.1220.XX				C68.1522.00				
C07.2210.XX	C07.2210.XX	C07.2220.XX				C68.2522.00				
C07.3210.XX	C07.3210.XX	C07.3220.XX				C68.3522.00				
C07.4210.XX	C07.4210.XX	C07.4220.XX				C68.4522.00				
C07.5210.XX	C07.5210.XX	C07.5220.XX				C68.5522.00				
107.0211.XX	107.0211.XX	107.0221.XX	168.6510.00						168.6522.00	
C07.1211.XX	C07.1211.XX	C07.1221.XX							C68.1522.00	
C07.2211.XX	C07.2211.XX	C07.2221.XX							C68.2522.00	
C07.3211.XX	C07.3211.XX	C07.3221.XX							C68.3522.00	
C07.4211.XX	C07.4211.XX	C07.4221.XX							C68.4522.00	
C07.5211.XX	C07.5211.XX	C07.5221.XX							C68.5522.00	
107.0212.XX	107.0212.XX	107.0222.XX	168.6511.00						168.6522.00	
C07.1212.XX	C07.1212.XX	C07.1222.XX							C68.1522.00	
C07.2212.XX	C07.2212.XX	C07.2222.XX							C68.2522.00	
C07.3212.XX	C07.3212.XX	C07.3222.XX							C68.3522.00	
C07.4212.XX	C07.4212.XX	C07.4222.XX				C68.4522.00				
C07.5212.XX	C07.5212.XX	C07.5222.XX				C68.5522.00				



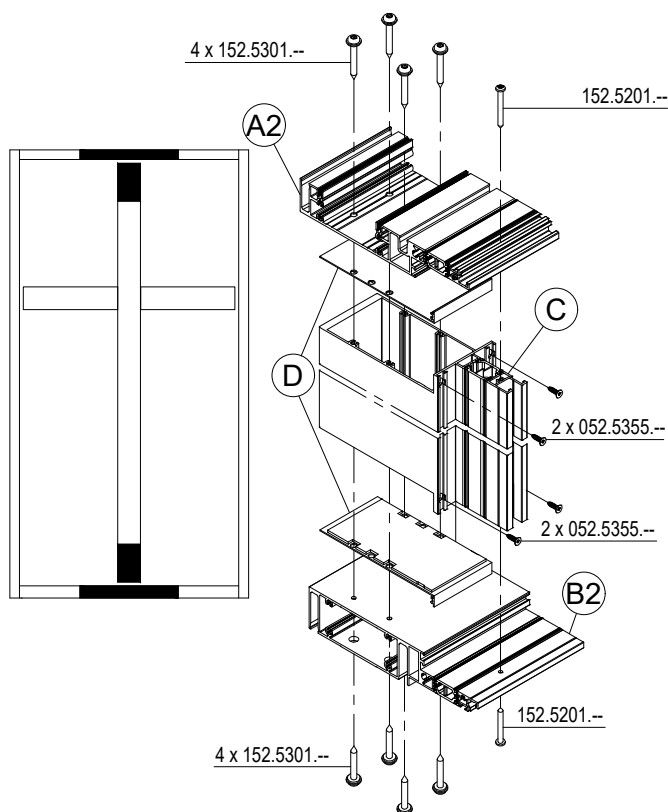
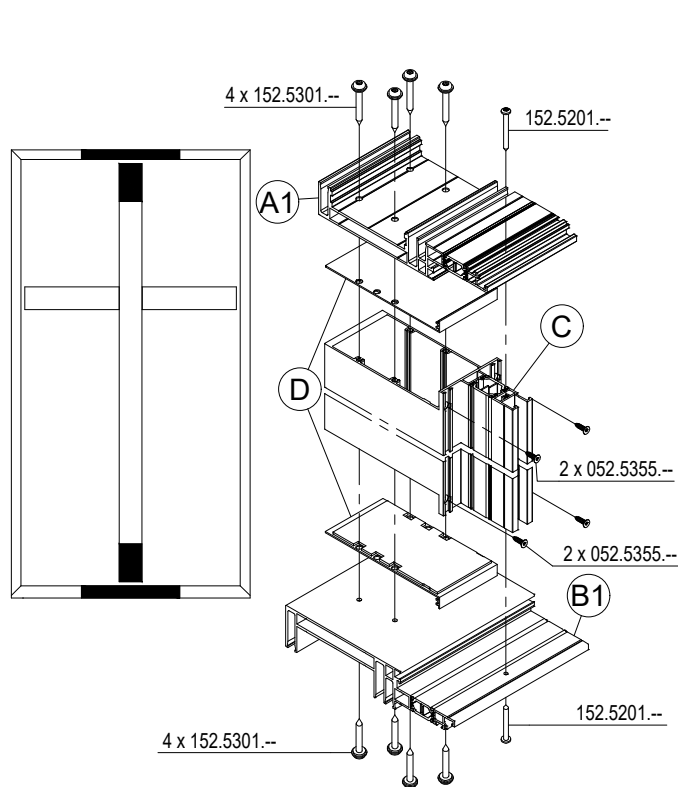
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VARIANT

Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	
107.0210.XX	107.0400.XX	107.0420.XX	162.9411.04	162.9409.04	169.8400.04	107.0300.00	
C07.1210.XX	C07.1400.XX	C07.1420.XX	C62.1411.04	C62.1409.04			
C07.2210.XX	C07.2400.XX	C07.4220.XX	C62.2411.04	C62.2409.04			
C07.3210.XX	C07.3400.XX	C07.3420.XX	C62.3411.04	C62.3409.04			
C07.4210.XX	C07.4400.XX	C07.4420.XX	C62.4411.04	C62.4409.04			
C07.5210.XX	C07.5400.XX	C07.5420.XX	C62.5411.04	C62.5409.04			
107.0211.XX	107.0401.XX	107.0421.XX	162.9411.04	162.9409.04	169.8403.04		
C07.1211.XX	C07.1401.XX	C07.1421.XX	C62.1411.04	C62.1409.04			
C07.2211.XX	C07.2401.XX	C07.4221.XX	C62.2411.04	C62.2409.04			
C07.3211.XX	C07.3401.XX	C07.3421.XX	C62.3411.04	C62.3409.04			
C07.4211.XX	C07.4401.XX	C07.4421.XX	C62.4411.04	C62.4409.04			
C07.5211.XX	C07.5401.XX	C07.5421.XX	C62.5411.04	C62.5409.04			
107.0212.XX	107.0402.XX	107.0422.XX	162.9411.04	162.9409.04	169.8406.04		
C07.1212.XX	C07.1402.XX	C07.1422.XX	C62.1411.04	C62.1409.04			
C07.2212.XX	C07.2402.XX	C07.2422.XX	C62.2411.04	C62.2409.04			
C07.3212.XX	C07.3402.XX	C07.3422.XX	C62.3411.04	C62.3409.04			
C07.4212.XX	C07.4402.XX	C07.4422.XX	C62.4411.04	C62.4409.04			
C07.5212.XX	C07.5402.XX	C07.5422.XX	C62.5411.04	C62.5409.04			

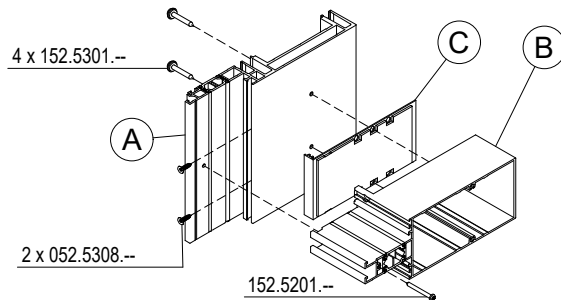
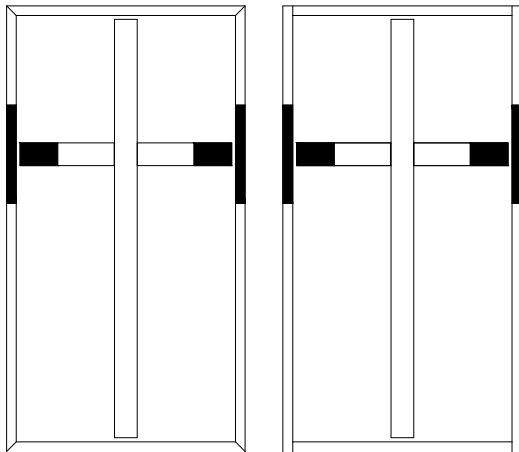


(A1)	(B1)	(C)	(D)
107.0210.XX	107.0220.XX	107.0280.XX	180.9405.04
C07.1210.XX	C07.1220.XX	C07.1280.XX	C80.1405.04
C07.2210.XX	C07.2220.XX	C07.2280.XX	C80.2405.04
C07.3210.XX	C07.3220.XX	C07.3280.XX	C80.3405.04
C07.4210.XX	C07.4220.XX	C07.4280.XX	C80.4405.04
C07.5210.XX	C07.5220.XX	C07.5280.XX	C80.5405.04
107.0211.XX	107.0221.XX	107.0281.XX	180.9405.04
C07.1211.XX	C07.1221.XX	C07.1281.XX	C80.1405.04
C07.2211.XX	C07.2221.XX	C07.2281.XX	C80.2405.04
C07.3211.XX	C07.3221.XX	C07.3281.XX	C80.3405.04
C07.4211.XX	C07.4221.XX	C07.4281.XX	C80.4405.04
C07.5211.XX	C07.5221.XX	C07.5281.XX	C80.5405.04
107.0212.XX	107.0222.XX	107.0282.XX	180.9405.04
C07.1212.XX	C07.1222.XX	C07.1282.XX	C80.1405.04
C07.2212.XX	C07.2222.XX	C07.2282.XX	C80.2405.04
C07.3212.XX	C07.3222.XX	C07.3282.XX	C80.3405.04
C07.4212.XX	C07.4222.XX	C07.4282.XX	C80.4405.04
C07.5212.XX	C07.5222.XX	C07.5282.XX	C80.5405.04

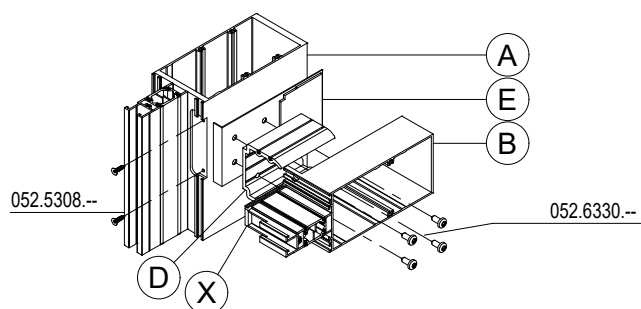
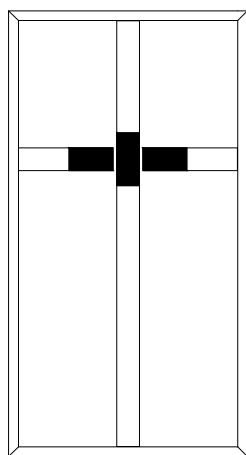
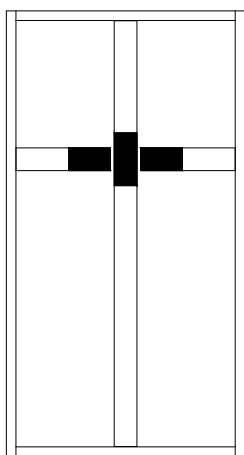
(A2)	(B2)	(C)	(D)
107.0400.XX	107.0420.XX	107.0280.XX	180.9405.04
C07.1400.XX	C07.1420.XX	C07.1280.XX	C80.1405.04
C07.2400.XX	C07.2420.XX	C07.2280.XX	C80.2405.04
C07.3400.XX	C07.3420.XX	C07.3280.XX	C80.3405.04
C07.4400.XX	C07.4420.XX	C07.4280.XX	C80.4405.04
C07.5400.XX	C07.5420.XX	C07.5280.XX	C80.5405.04
107.0401.XX	107.0421.XX	107.0281.XX	180.9405.04
C07.1401.XX	C07.1421.XX	C07.1281.XX	C80.1405.04
C07.2401.XX	C07.2421.XX	C07.2281.XX	C80.2405.04
C07.3401.XX	C07.3421.XX	C07.3281.XX	C80.3405.04
C07.4401.XX	C07.4421.XX	C07.4281.XX	C80.4405.04
C07.5401.XX	C07.5421.XX	C07.5281.XX	C80.5405.04
107.0402.XX	107.0422.XX	107.0282.XX	180.9405.04
C07.1402.XX	C07.1422.XX	C07.1282.XX	C80.1405.04
C07.2402.XX	C07.2422.XX	C07.2282.XX	C80.2405.04
C07.3402.XX	C07.3422.XX	C07.3282.XX	C80.3405.04
C07.4402.XX	C07.4422.XX	C07.4282.XX	C80.4405.04
C07.5402.XX	C07.5422.XX	C07.5282.XX	C80.5405.04



Ⓐ	Ⓑ	Ⓒ
107.0210.XX	107.0285.XX	180.9405.04
C07.1210.XX	C07.1285.XX	C80.1405.04
C07.2210.XX	C07.2285.XX	C80.2405.04
C07.3210.XX	C07.3285.XX	C80.3405.04
C07.4210.XX	C07.4285.XX	C80.4405.04
C07.5210.XX	C07.5285.XX	C80.5405.04
107.0211.XX	107.0286.XX	180.9405.04
C07.1211.XX	C07.1286.XX	C80.1405.04
C07.2211.XX	C07.2286.XX	C80.2405.04
C07.3221.XX	C07.3286.XX	C80.3405.04
C07.4221.XX	C07.4286.XX	C80.4405.04
C07.5221.XX	C07.5286.XX	C80.5405.04
107.0212.XX	107.0287.XX	180.9405.04
C07.1212.XX	C07.1287.XX	C80.1405.04
C07.2212.XX	C07.2287.XX	C80.2405.04
C07.3212.XX	C07.3287.XX	C80.3405.04
C07.4212.XX	C07.4287.XX	C80.4405.04
C07.5212.XX	C07.5287.XX	C80.5405.04

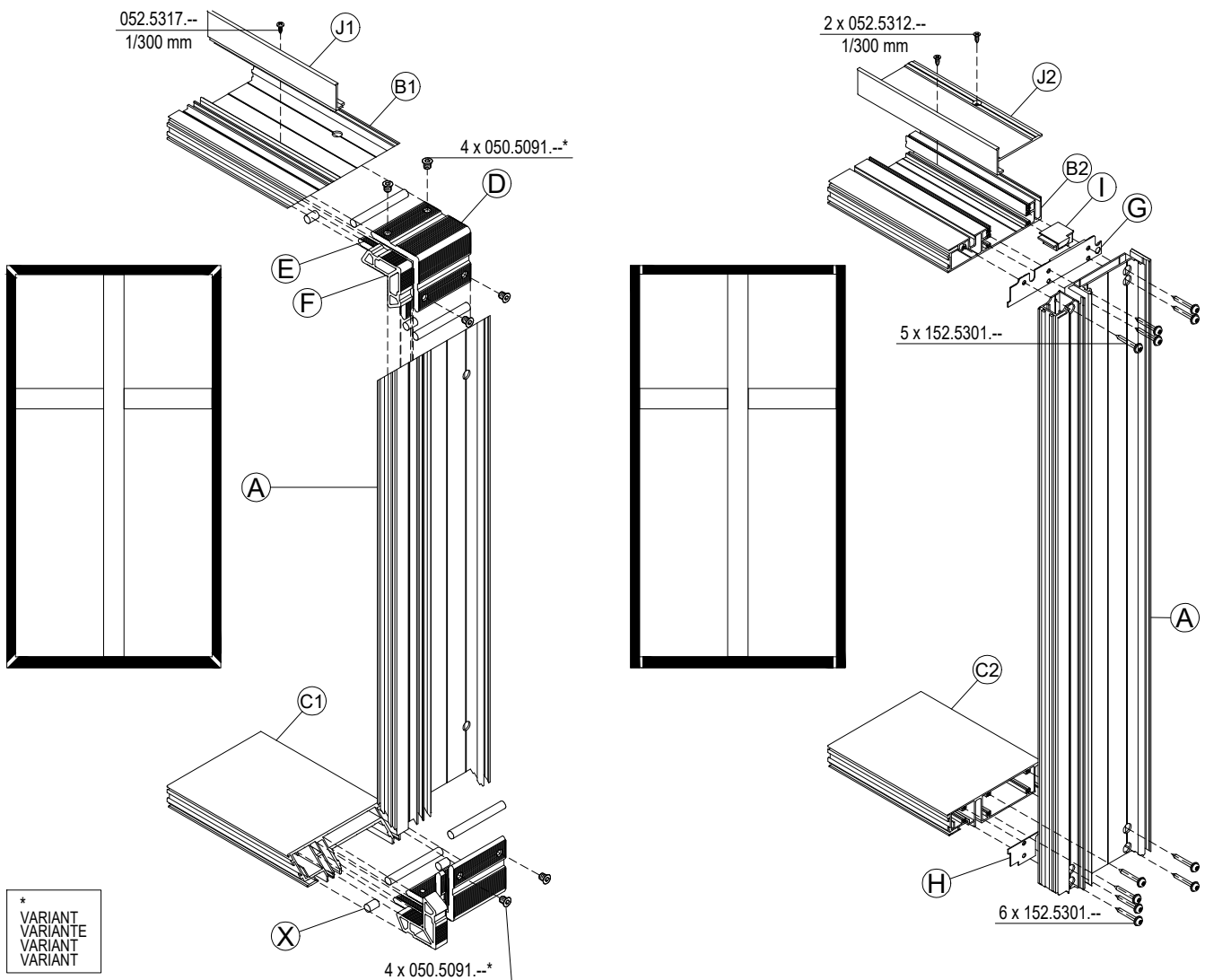


Ⓐ	Ⓑ	Ⓒ	Ⓓ
107.0280.XX	107.0285.XX	173.7510.00	180.9404.04
C07.1280.XX	C07.1285.XX	C73.1510.00	C80.1404.04
C07.2280.XX	C07.2285.XX	C73.2510.00	C80.2404.04
C07.3280.XX	C07.3285.XX	C73.3510.00	C80.3404.04
C07.4280.XX	C07.4285.XX	C73.4510.00	C80.4404.04
C07.5280.XX	C07.5285.XX	C73.5510.00	C80.5404.04
107.0281.XX	107.0286.XX	173.7510.00	180.9404.04
C07.1281.XX	C07.1286.XX	C73.1510.00	C80.1404.04
C07.2281.XX	C07.2286.XX	C73.2510.00	C80.2404.04
C07.3281.XX	C07.3286.XX	C73.3510.00	C80.3404.04
C07.4281.XX	C07.4286.XX	C73.4510.00	C80.4404.04
C07.5281.XX	C07.5286.XX	C73.5510.00	C80.5404.04
107.0282.XX	107.0287.XX	173.7510.00	180.9404.04
C07.1282.XX	C07.1287.XX	C73.1510.00	C80.1404.04
C07.2282.XX	C07.2287.XX	C73.2510.00	C80.2404.04
C07.3282.XX	C07.3287.XX	C73.3510.00	C80.3404.04
C07.4282.XX	C07.4287.XX	C73.4510.00	C80.4404.04
C07.5282.XX	C07.5287.XX	C73.5510.00	C80.5404.04



(A)	(B1)	(C1)	(D)	(E)	(F)	(J1)
107.0510.XX	107.0510.XX	107.0501.XX	168.6522.00	168.6520.00	160.6523.00	107.0110.00
C07.1510.XX	C07.1510.XX	C07.1501.XX	C68.1522.00			
C07.2510.XX	C07.2510.XX	C07.2501.XX	C68.2522.00			
C07.3510.XX	C07.3510.XX	C07.3501.XX	C68.3522.00			
C07.4510.XX	C07.4510.XX	C07.4501.XX	C68.4522.00			
C07.5510.XX	C07.5510.XX	C07.5501.XX	C68.5522.00			

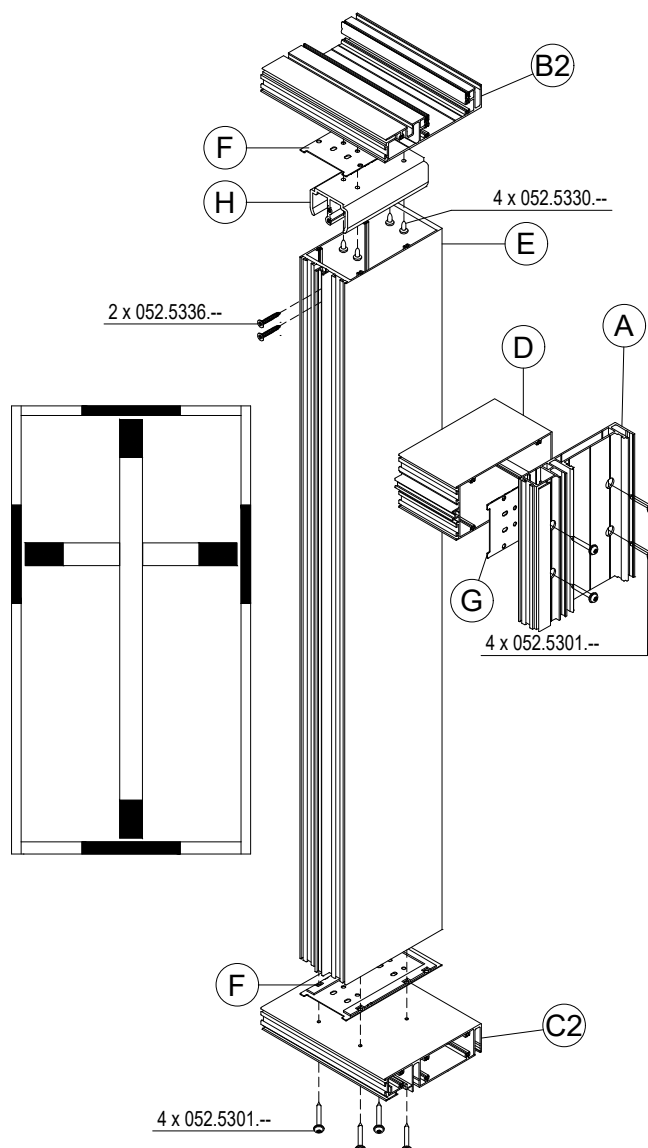
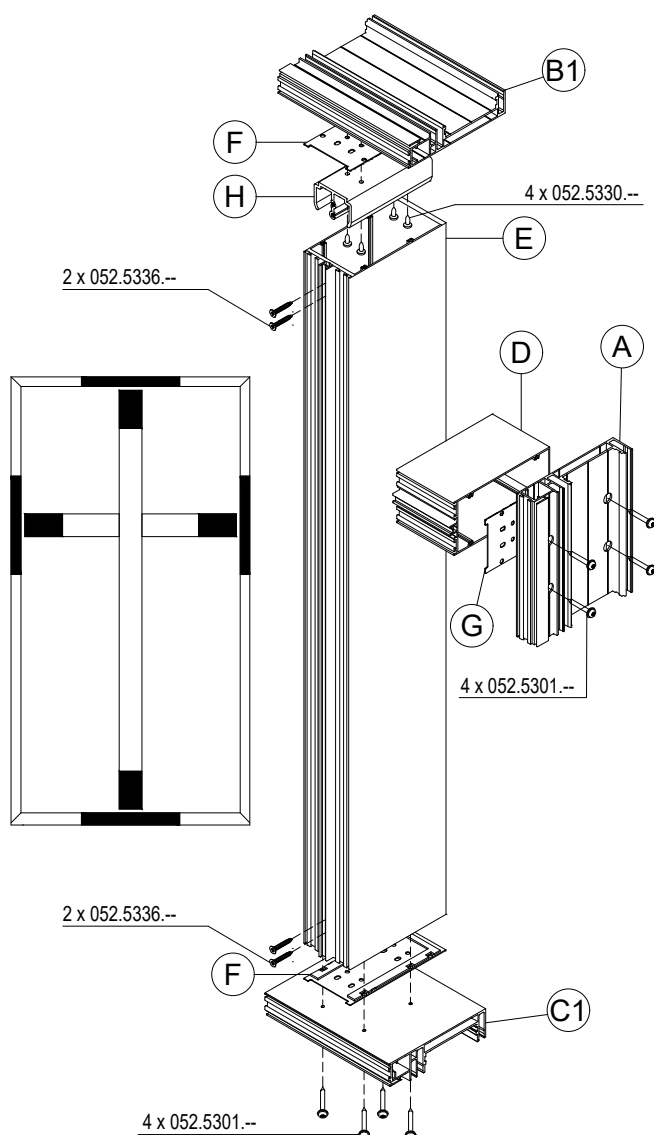
(A)	(B2)	(C2)	(G)	(H)	(I)	(J2)
107.0510.XX	107.0520.XX	107.0521.XX	162.9408.04	162.9410.04	169.8410.04	107.0300.00
C07.1510.XX	C07.1520.XX	C07.1521.XX	C62.1408.04	C62.1410.04		
C07.2510.XX	C07.2520.XX	C07.2521.XX	C62.2408.04	C62.2410.04		
C07.3510.XX	C07.3520.XX	C07.3521.XX	C62.3408.04	C62.3410.04		
C07.4510.XX	C07.4520.XX	C07.4521.XX	C62.4408.04	C62.4410.04		
C07.5510.XX	C07.5520.XX	C07.5521.XX	C62.5408.04	C62.5410.04		



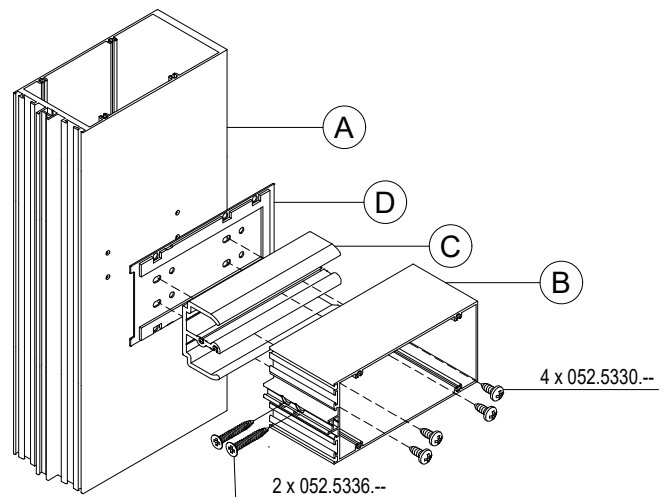
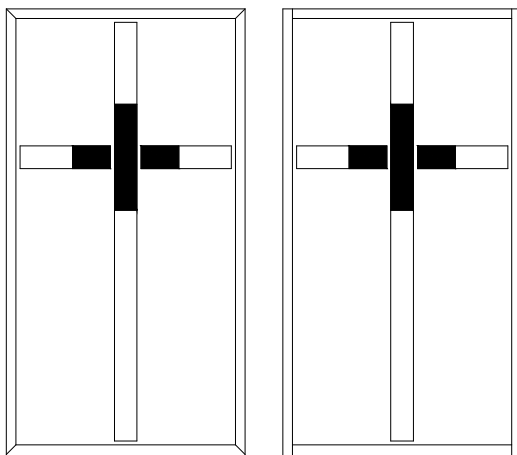
(A)	(D)	(G)
107.0510.XX	107.0585.XX	162.9412.04
C07.1510.XX	C07.1585.XX	C62.1412.04
C07.2510.XX	C07.2585.XX	C62.2412.04
C07.3510.XX	C07.3585.XX	C62.3412.04
C07.4510.XX	C07.4585.XX	C62.4412.04
C07.5510.XX	C07.5585.XX	C62.5412.04

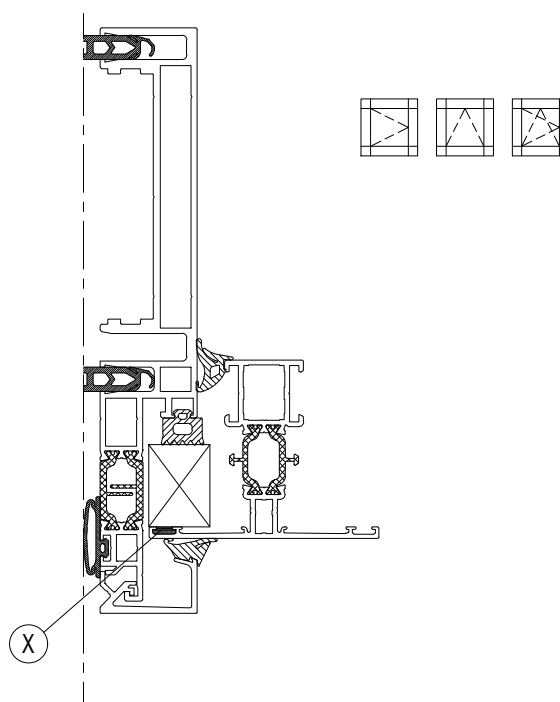
(B1)	(C1)	(E)	(F)	(H)
107.0510.XX	107.0501.XX	107.0580.XX	162.9412.04	173.7517.00
C07.1510.XX	C07.1501.XX	C07.1580.XX	C62.1412.04	C73.1517.00
C07.2510.XX	C07.2501.XX	C07.2580.XX	C62.2412.04	C73.2517.00
C07.3510.XX	C07.3501.XX	C07.3580.XX	C62.3412.04	C73.3517.00
C07.4510.XX	C07.4501.XX	C07.4580.XX	C62.4412.04	C73.4517.00
C07.5510.XX	C07.5501.XX	C07.5580.XX	C62.5412.04	C73.5517.00

(B2)	(C2)	(E)	(F)	(H)
107.0520.XX	107.0521.XX	107.0580.XX	162.9412.04	173.7517.00
C07.1520.XX	C07.1521.XX	C07.1580.XX	C62.1412.04	C73.1517.00
C07.2520.XX	C07.2521.XX	C07.2580.XX	C62.2412.04	C73.2517.00
C07.3520.XX	C07.3521.XX	C07.3580.XX	C62.3412.04	C73.3517.00
C07.4520.XX	C07.4521.XX	C07.4580.XX	C62.4412.04	C73.4517.00
C07.5520.XX	C07.5521.XX	C07.5580.XX	C62.5412.04	C73.5517.00



Ⓐ	Ⓑ	Ⓒ	Ⓓ
107.0580.XX	107.0585.XX	173.7517.00	162.9412.04
C07.1580.XX	C07.1585.XX	C73.1517.00	C62.1412.04
C07.2580.XX	C07.2585.XX	C73.2517.00	C62.2412.04
C07.3580.XX	C07.3585.XX	C73.3517.00	C62.3412.04
C07.4580.XX	C07.4585.XX	C73.4517.00	C62.4412.04
C07.5580.XX	C07.5585.XX	C73.5517.00	C62.5412.04



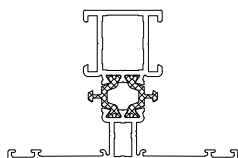


PRINCIPEVOORBEELD
EXEMPLE DE PRINCIPE
EXAMPLE IN PRINCIPE
GRUNDSATZBEISPIEL

(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

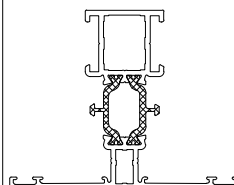
CS 59 / CS 59-HV

001.0113.XX

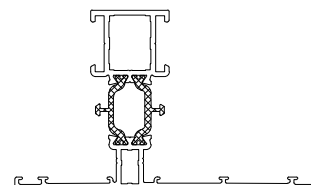


CS 68 / CS 68-HV

005.0113.XX

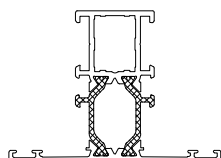


005.1513.XX



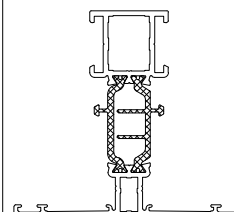
ES 50

003.0013.XX

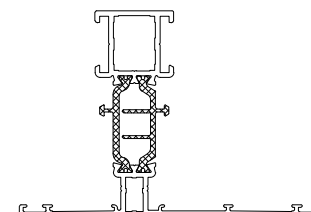


CS 77 / CS 77-HV

008.3113.XX

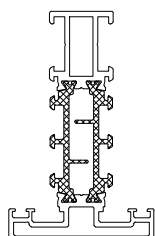


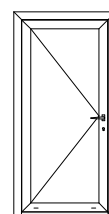
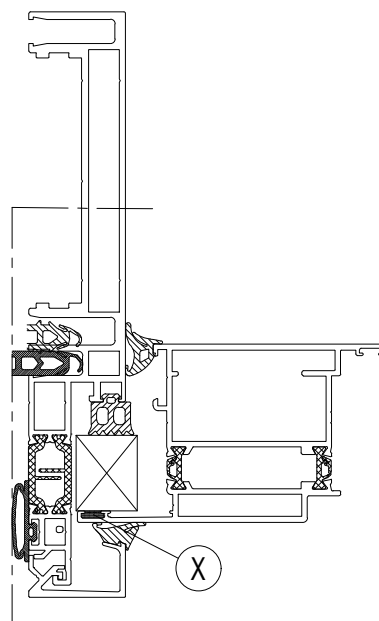
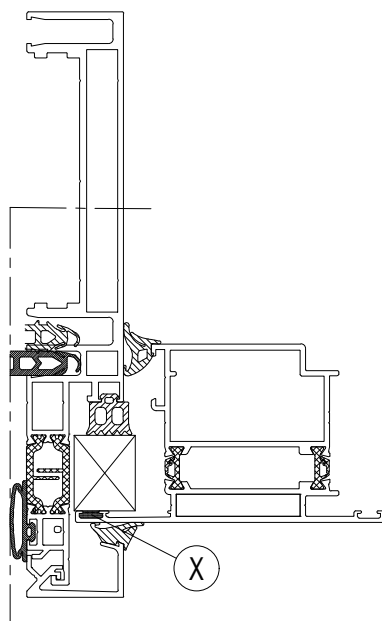
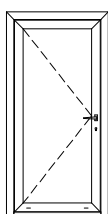
008.4513.XX



SL 38

403.0214.XX





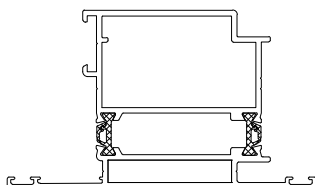
PRINCIPEVOORBEELD
 EXEMPLE DE PRINCIPE
 EXAMPLE IN PRINCIPLE
 GRUNDSATZBEISPIEL

(X) DICHTINGSMIDDEL
 MATIERE D'ETANCHEITE
 SEALING AGENT
 ABDICHTUNG

CS 68



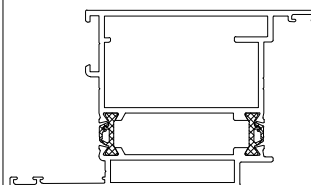
005.3014.XX



CS 68



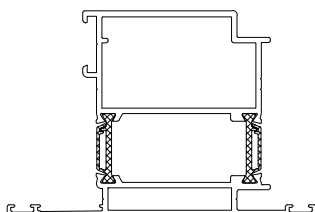
005.3026.XX



CS 77



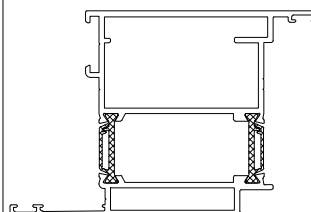
008.2014.XX



CS 77



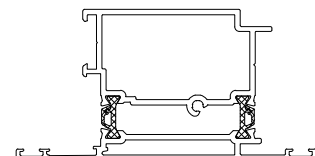
008.2026.XX



ECO



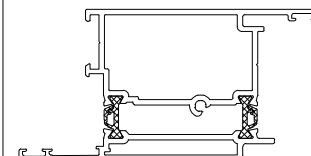
103.2814.XX

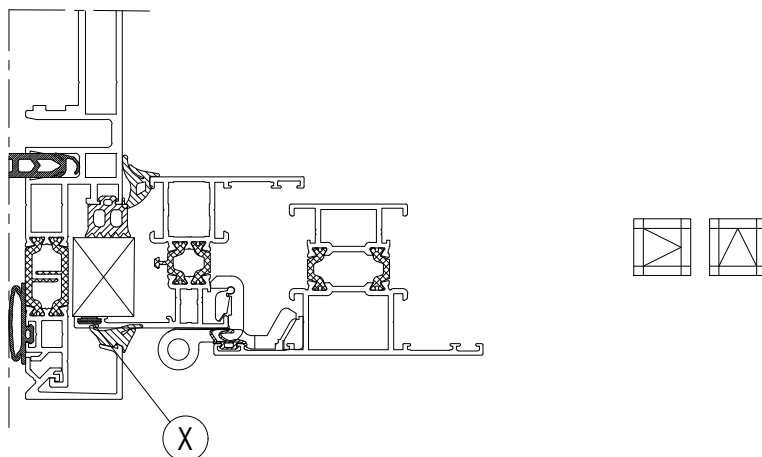


ECO



103.2826.XX





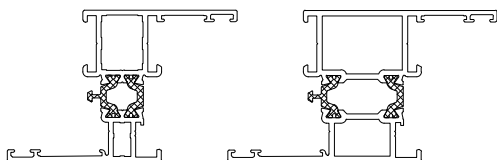
PRINCIPEVOORBEELD
 EXEMPLE DE PRINCIPE
 EXAMPLE IN PRINCIPLE
 GRUNDSATZBEISPIEL

(X) DICHTINGSMIDDEL
 MATIERE D'ETANCHEITE
 SEALING AGENT
 ABDICHTUNG

CS 59

001.1442.XX

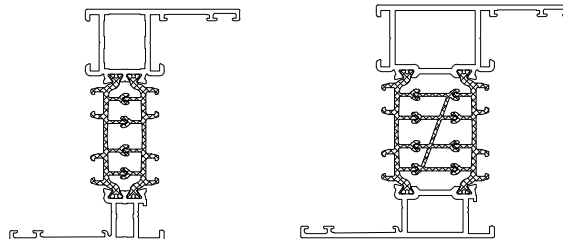
001.1443.XX



CS 86-HI

108.0442.XX

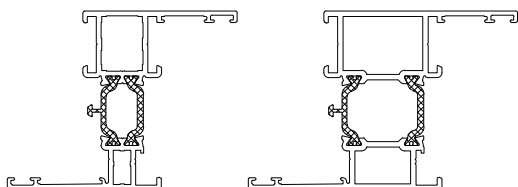
108.0443.XX



CS 68

005.1442.XX

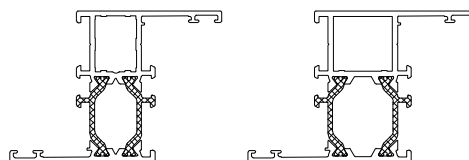
005.1443.XX



ECO

003.0442.XX

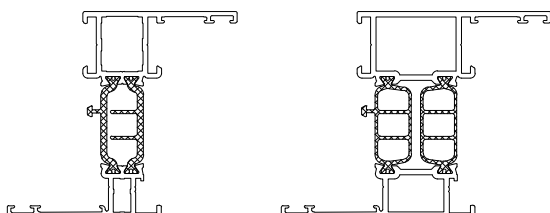
003.0441.XX



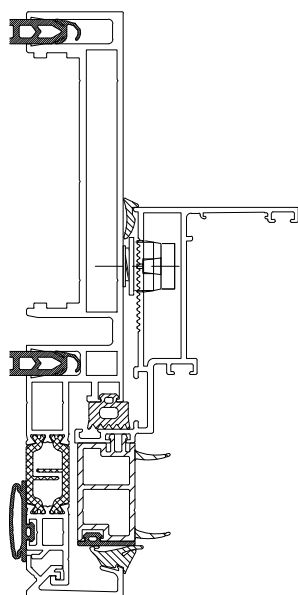
CS 77

008.3442.XX

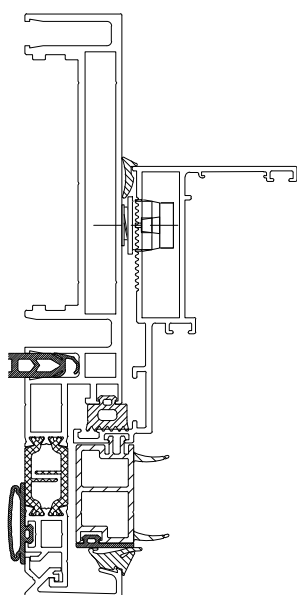
008.3443.XX



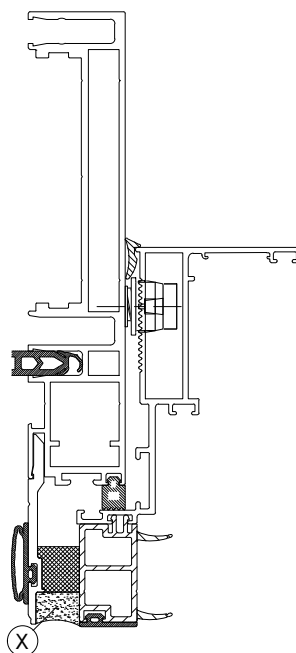
EF 7 GB



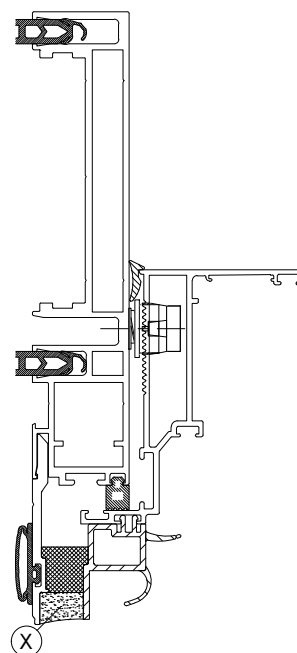
EF 7 GB



EF 7 SSG



EF 7 SSG STEPPED GLASS



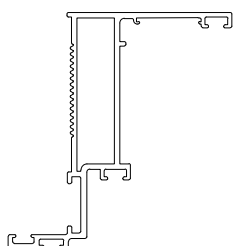
PRINCIPEVOORBEELD
EXEMPLE DE PRINCIPE
EXAMPLE IN PRINCIPLE
GRUNDSATZBEISPIEL

(X)

DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

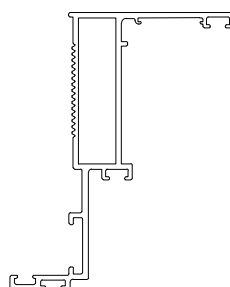
EF 7 GB + OUTWARD OPENING GB

134.0125.XX



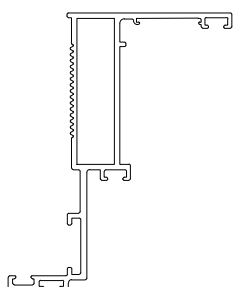
EF 7 GB+ OUTWARD OPENING SSG

134.0135.XX



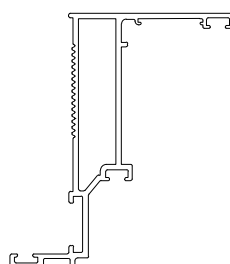
EF 7 SSG+ OUTWARD OPENING SSG

134.0135.XX



EF7 SSG STEPPED GLASS

134.0145.XX



EF 7

UITZETRAAM
FENETRE OUVRANT A SOUFFLET
TOP-HUNG WINDOW
KLAPPFENSTER



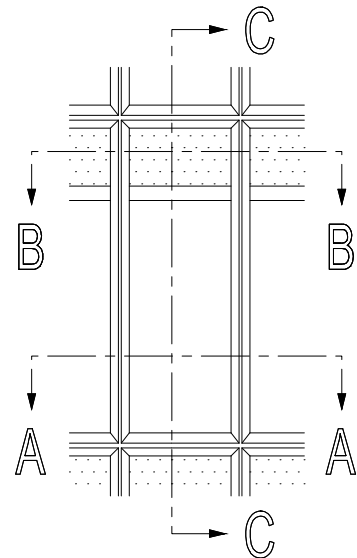
C

E



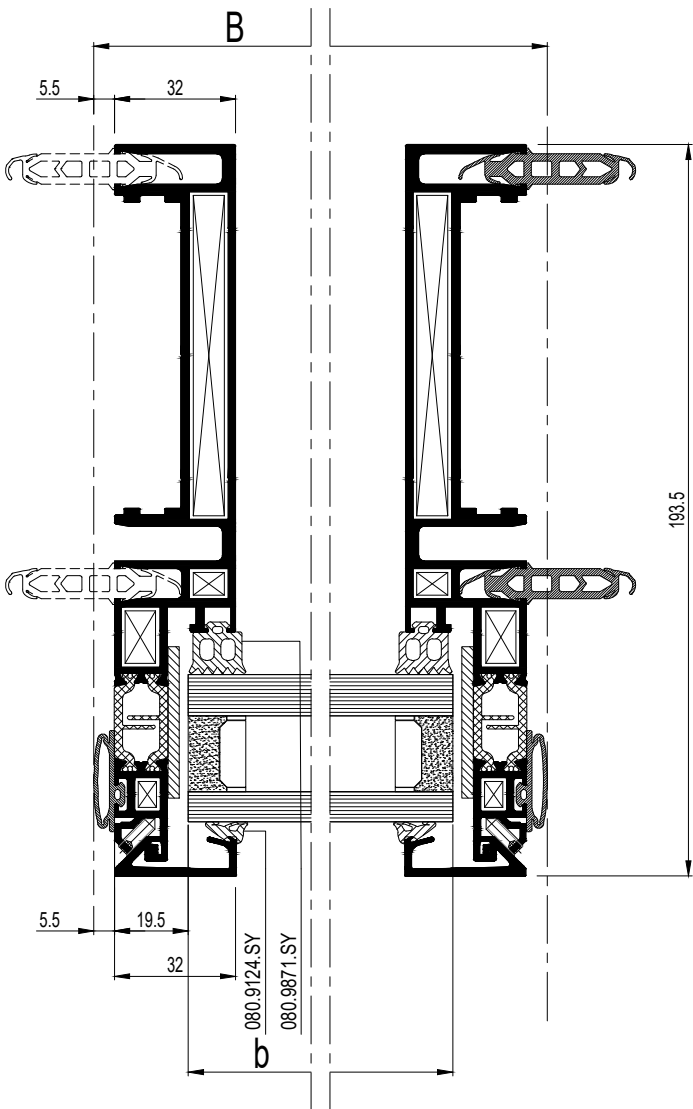
Reynaers
Aluminium

Werktekeningen
Coupes et débits
Work drawings
Werkzeichnungen

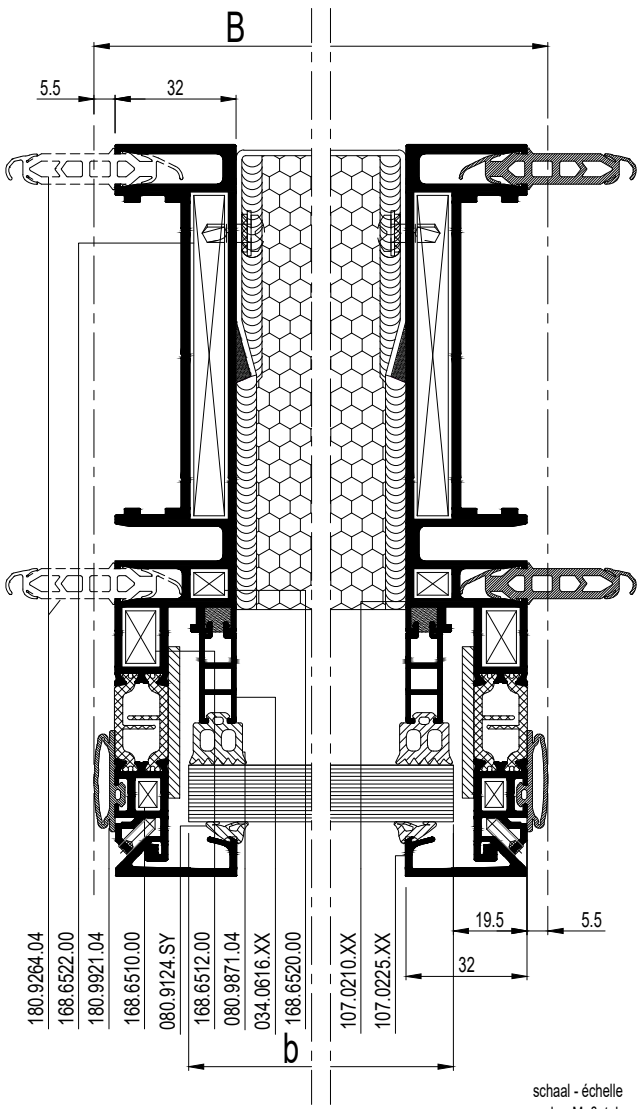


				#	$\leftarrow L_m \rightarrow$
b = B - 50	107.0220.XX			1	B + 5 B - 11
h1 = H1 - 44.5	107.0210.XX			1	B - 11
h2 = H2 - 52.5	107.0110.00			2	H - 27
	107.0285.XX			1	B - 11
	107.0225.XX			1	B - 40
	107.0225.XX			2	H - 27
	107.0236.XX			2	B - 11
	107.0236.XX			1	B - 77
	034.0616.XX			1	B - 55
				1	B - 75
				2	H1 - 64

A - A

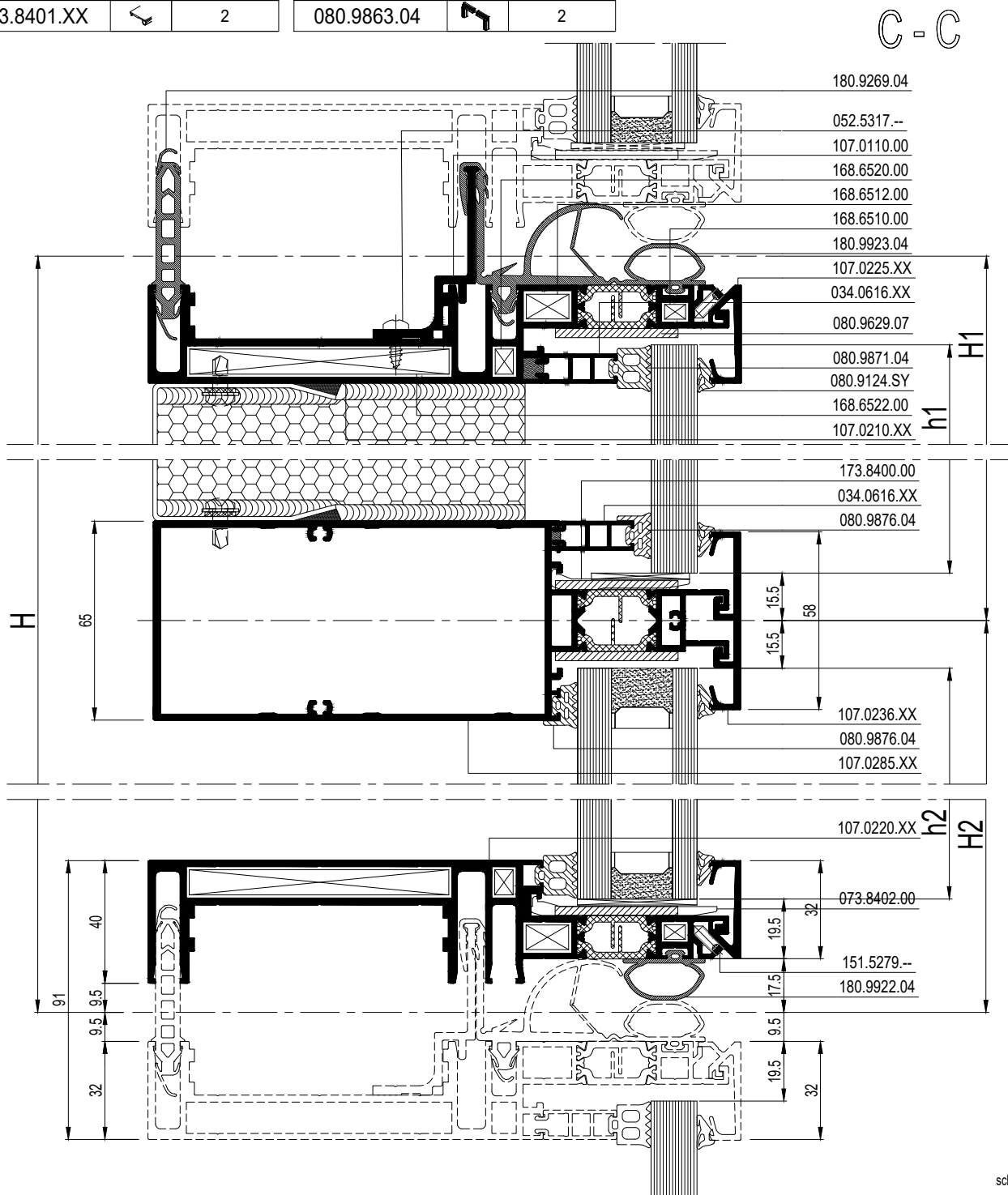


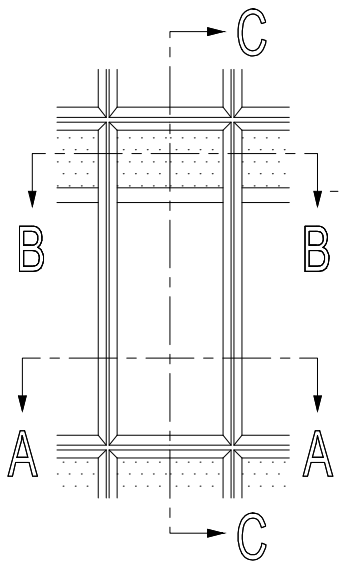
B - B



schaal - échelle
scale - Maßstab
1/2

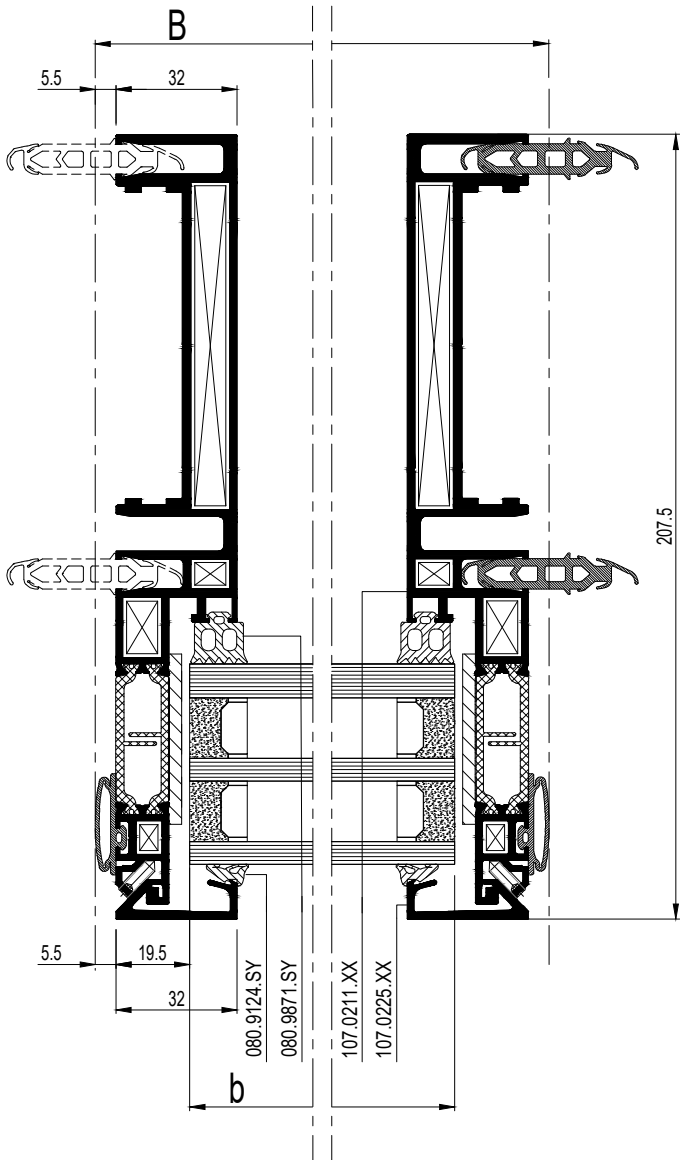
		#			#			#
168.6510.00		4	180.9921.04		2xH	180.9920.04		1
168.6512.00		4	180.9922.04		1xB	OPTIE / OPTION / OPTION / OPTION (**)		
168.6520.00		4	180.9923.04		1xB	080.9629.07		4xB + 2xH
168.6522.00		4	180.9264.04		2xH			
052.5317.--		1/500 mm	180.9269.04		1xB			
052.5355.--		4	080.9871.04		2xb			
152.5201.--		2	080.9876.04		(2xb)+(2xh1)+(2xh2)			
152.5301.--		4	080.9124.SY		(4xb)+(2xh1)+(2xh2)			
151.5279.--		8	180.9405.04		2			
073.8402.00		2	180.9865.04		4			
173.8401.XX		2	080.9863.04		2			



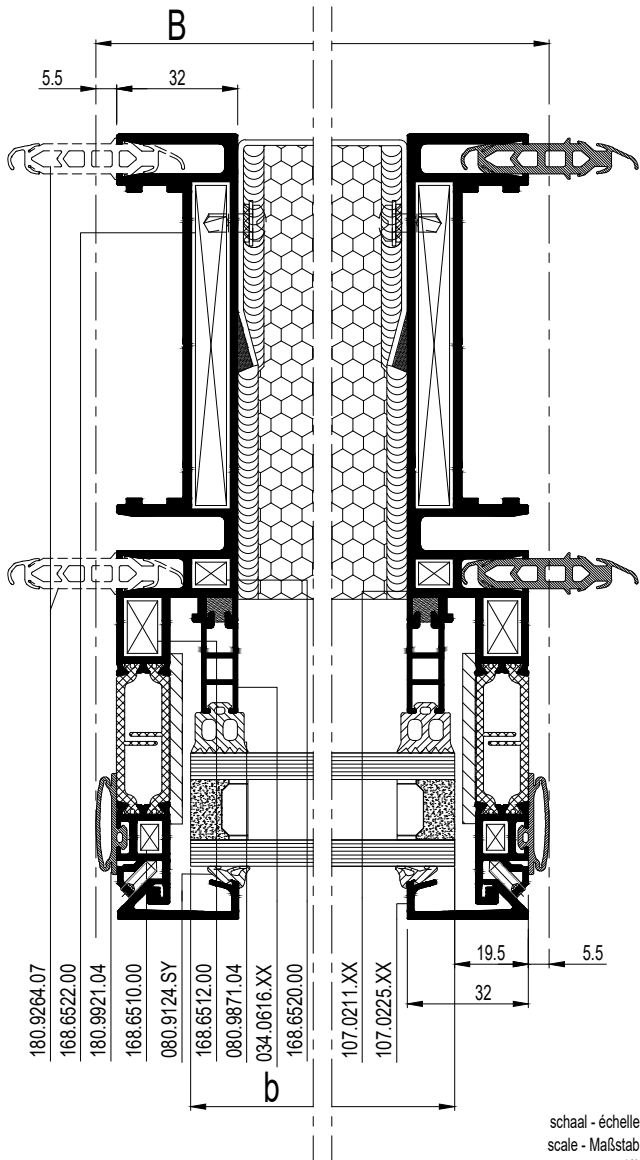


				#	Lm
b = B - 50 h1 = H1 - 44.5 h2 = H2 - 52.5	107.0221.XX			1	B + 5 B - 11
	107.0211.XX			1	B - 11
				2	H - 27
	107.0110.00			1	B - 11
	107.0286.XX			1	B - 40
	107.0225.XX			2	H - 27
				2	B - 11
	107.0236.XX			1	B - 77
	034.0616.XX			1	B - 55
				1	B - 75
				2	H1 - 64

A - A



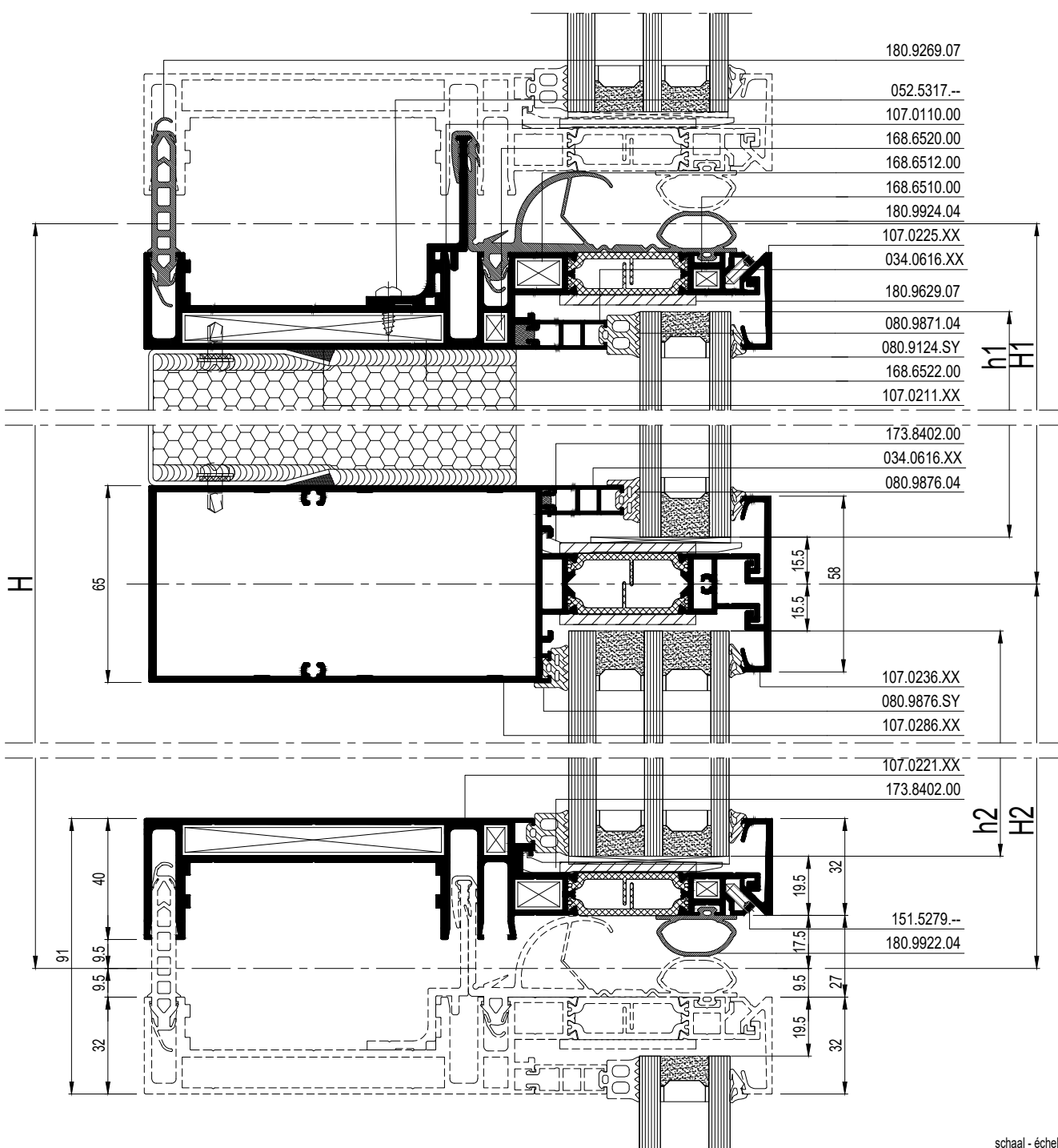
B - B

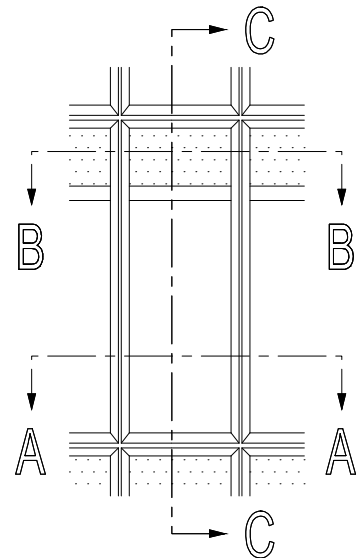


schaal - échelle
scale - Maßstab
1/2

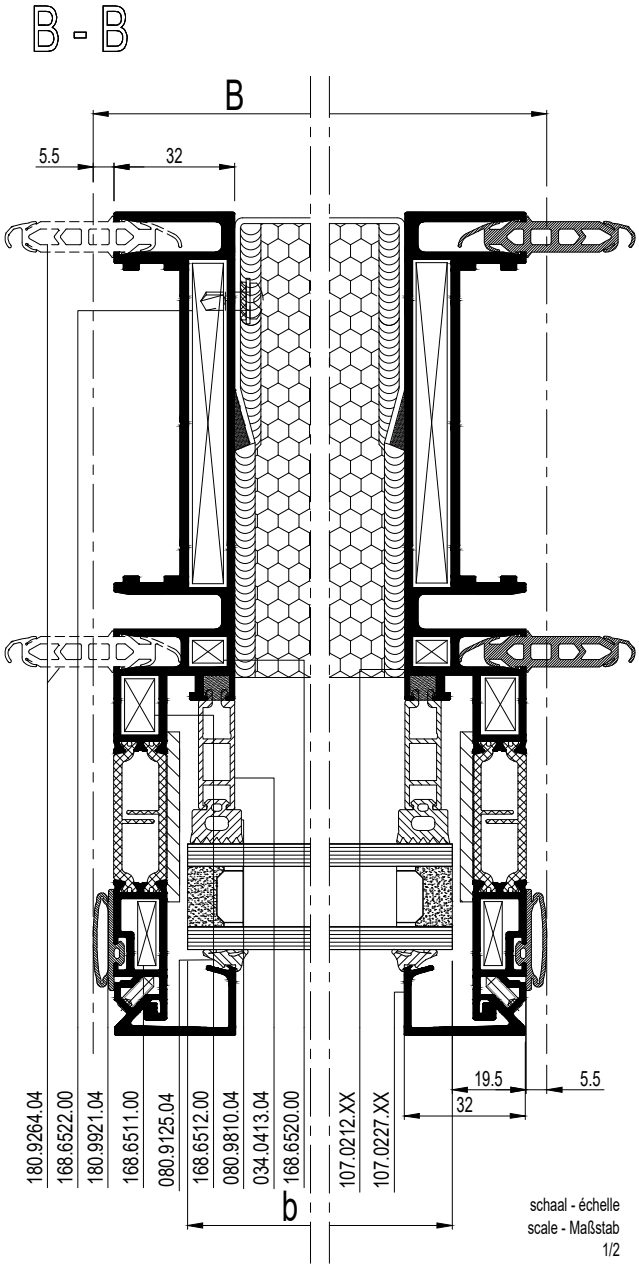
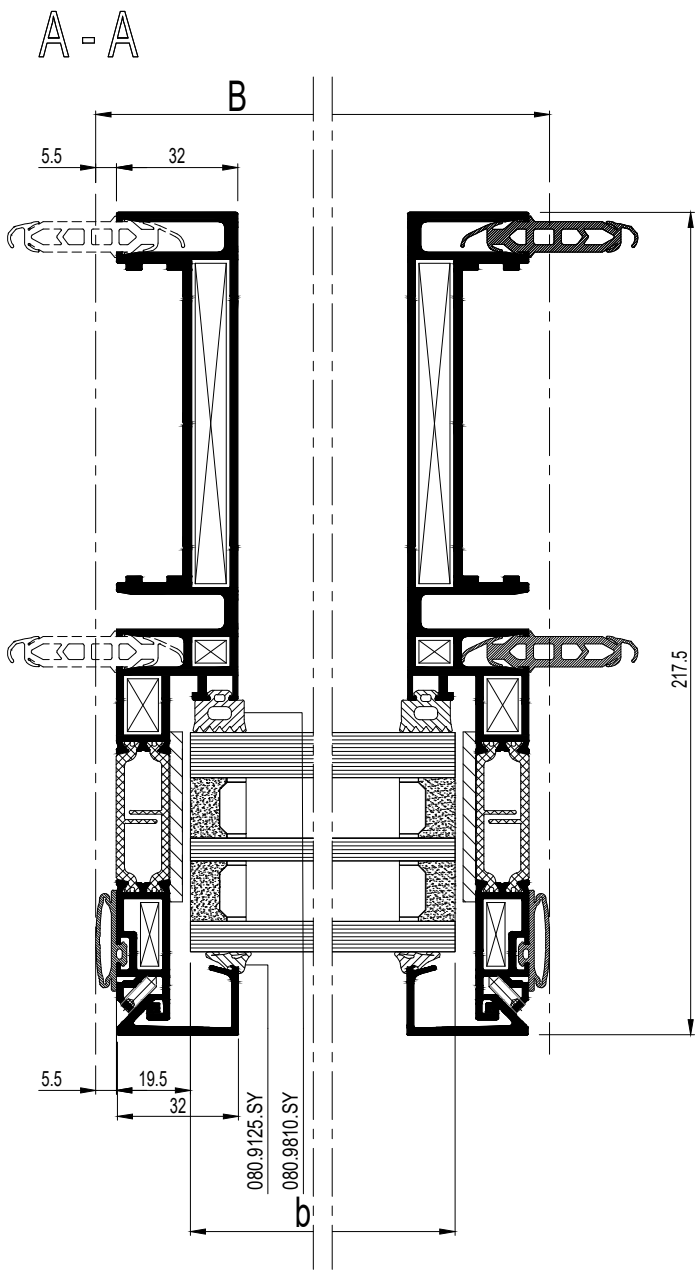
		#			#			#
168.6510.00		4	180.9921.04		2xH	080.9863.04		2
168.6512.00		4	180.9922.04		1xB	180.9920.04		1
168.6520.00		4	180.9924.04		1xB	OPTIE / OPTION / OPTION / OPTION (**)		
168.6522.00		4	180.9264.04		2xH	180.9629.07		4xB + 2xH
052.5317.--		1/500 mm	180.9269.04		1xB			
052.5355.--		4	080.9876.SY		2xb			
152.5201.--		2	080.9871.04		(2xb)+(2xh1)+(1xh2)			
152.5301.--		4	080.9124.SY		(4xb)+(2xh1)+(2xh2)			
151.5279.--		8	180.9405.04		2			
173.8402.00		4	180.9865.04		4			

C - C





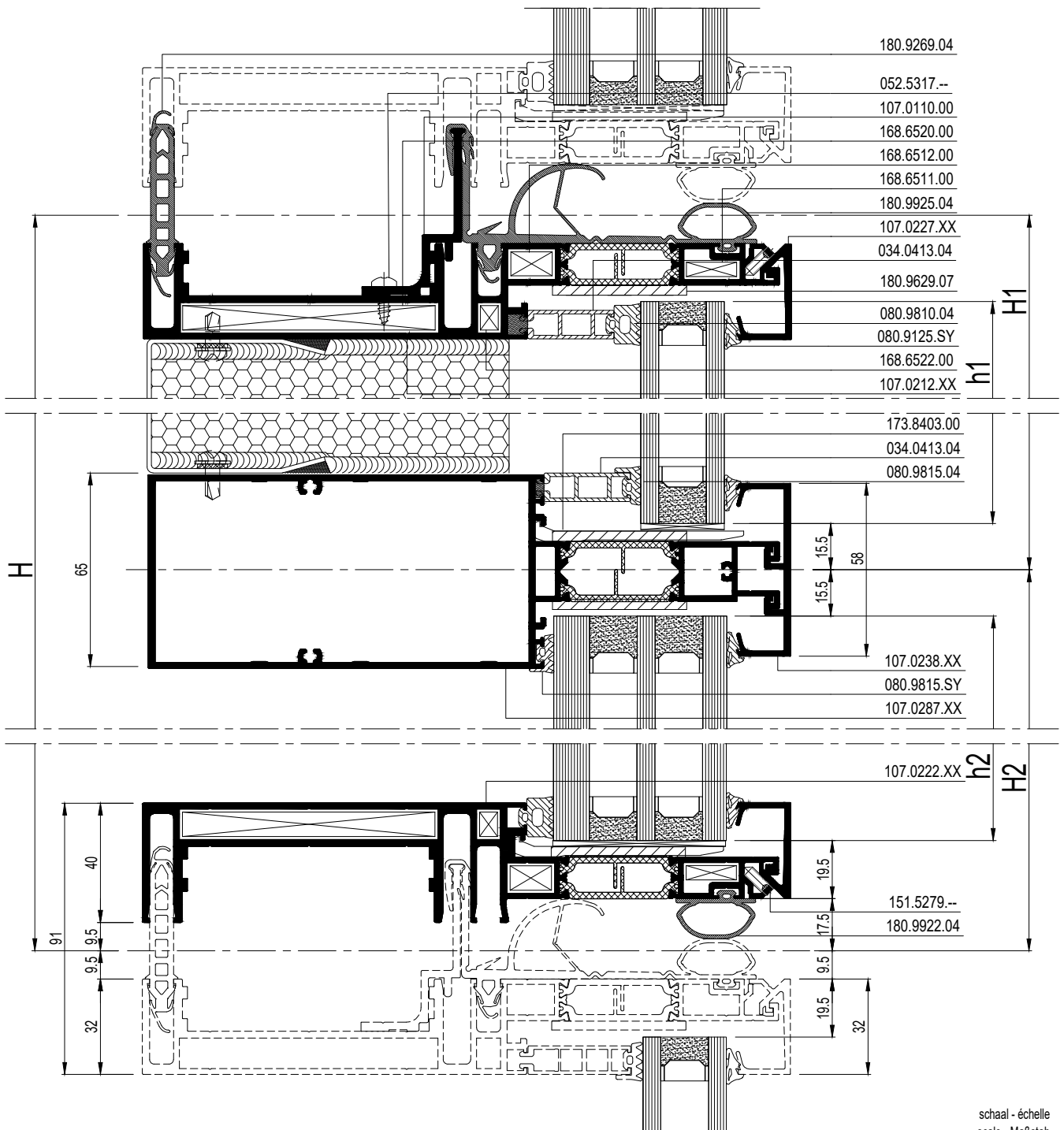
				#	Lm
b = B - 50 h1 = H1 - 44.5 h2 = H2 - 52.5	107.0222.XX			1	B + 5 B - 11
	107.0212.XX			1	B - 11
	107.0110.00			2	H - 27
	107.0287.XX			1	B - 11
	107.0227.XX			1	B - 40
	107.0227.XX			2	H - 27
	107.0238.XX			2	B - 11
	107.0238.XX			1	B - 77
	034.0413.04			1	B - 55
				1	B - 75
				2	H1 - 64



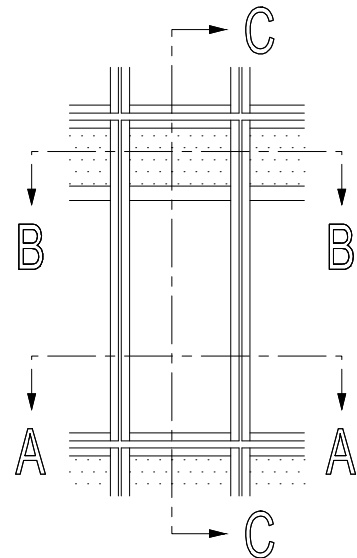
schaal - échelle
scale - Maßstab
1/2

		#			#			#
168.6511.00		4	180.9921.04		2xH	080.9864.04		2
168.6512.00		4	180.9922.04		1xB	180.9920.04		1
168.6520.00		4	180.9925.04		1xB	OPTIE / OPTION / OPTION / OPTION (**)		
168.6522.00		4	180.9264.04		2xH	180.9629.07		4xB + 2xH
052.5317.--		1/500 mm	180.9269.04		1xB			
052.5355.--		4	080.9815.SY		2xb			
152.5201.--		2	080.9810.SY		(2xb)+(2xh1)+(2xh2)			
152.5301.--		4	080.9125.SY		(4xb)+(2xh1)+(2xh2)			
151.5279.--		8	180.9405.04		2			
173.8403.00		4	080.9872.04		2			

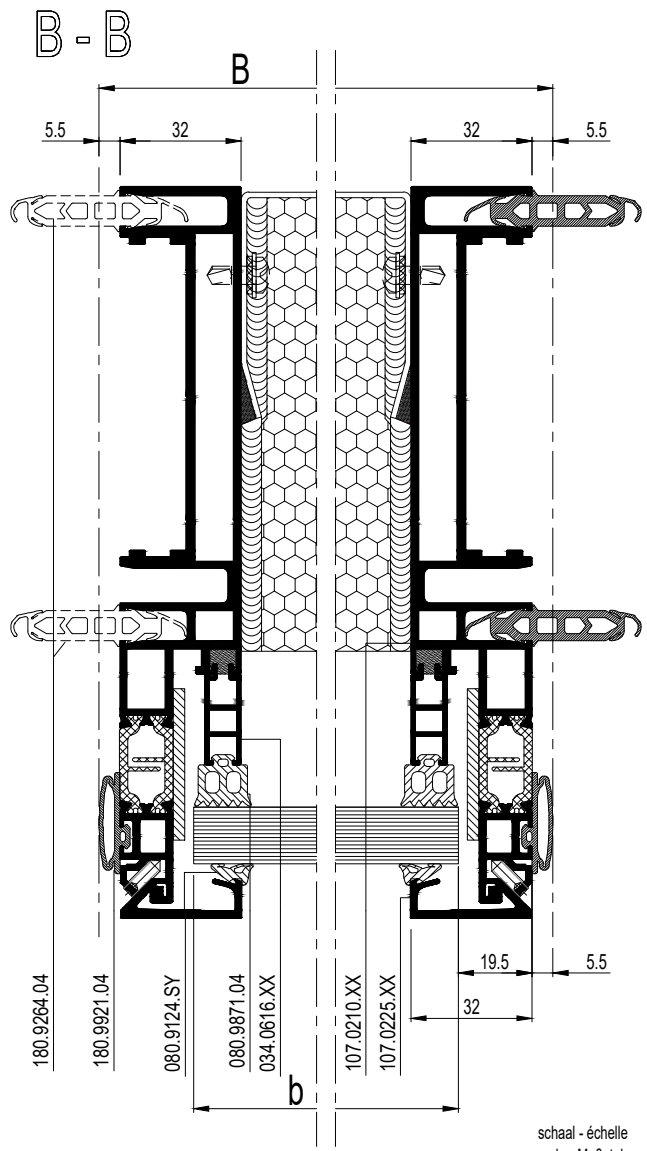
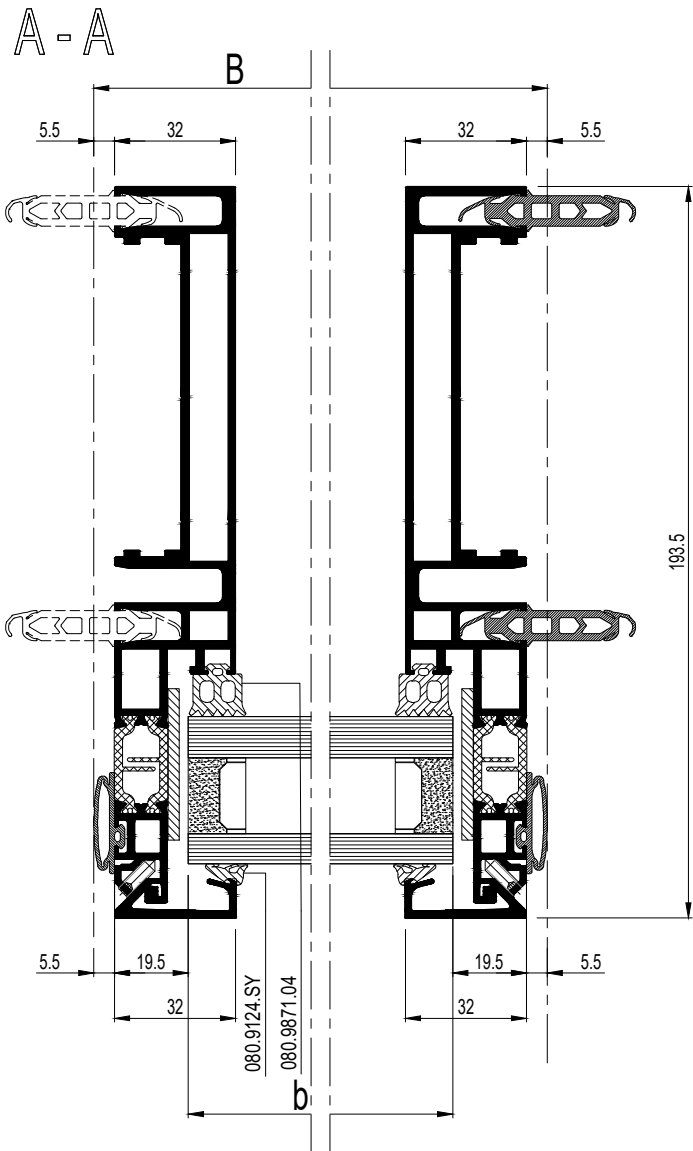
C - C



schaal - échelle
 scale - Maßstab
 1/2

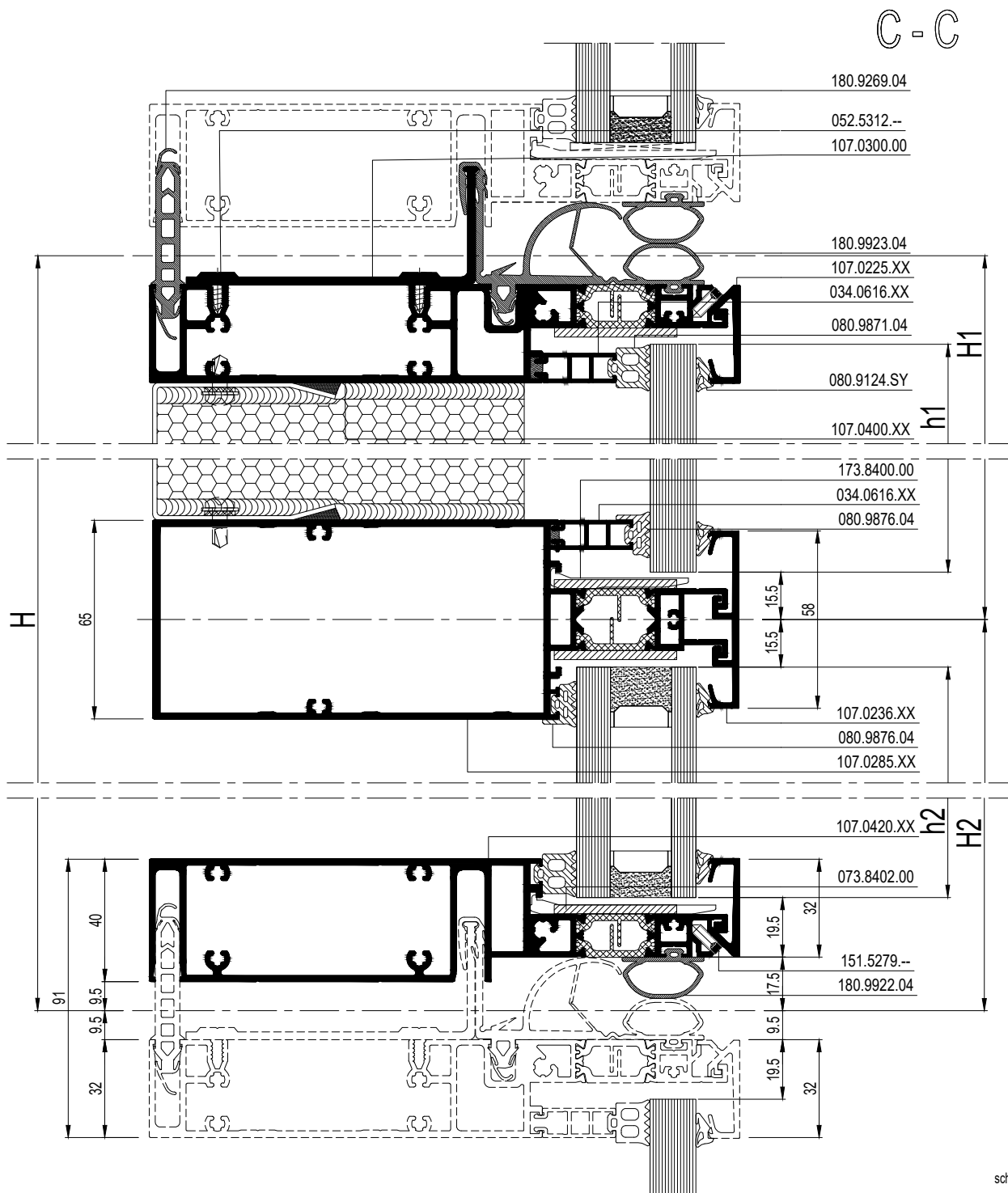


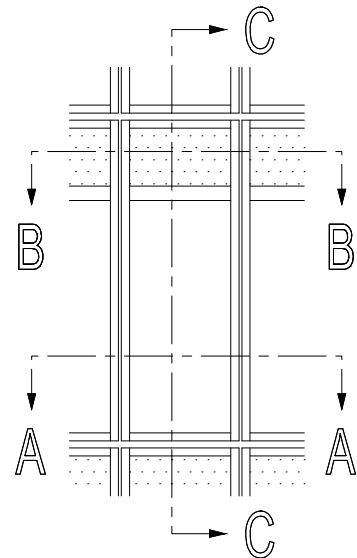
				#	$\leftarrow L_m \rightarrow$
$b = B - 50$	107.0400.XX			1	B - 40
$h1 = H1 - 44.5$	107.0420.XX			1	B - 40
$h2 = H2 - 52.5$	107.0210.XX			2	H - 19
	107.0300.00			1	B - 11
	107.0285.XX			1	B - 40
	107.0225.XX			2	H - 28
	107.0236.XX			1	B - 75
	034.0616.XX			1	B - 55
				1	B - 75
				2	H1 - 64



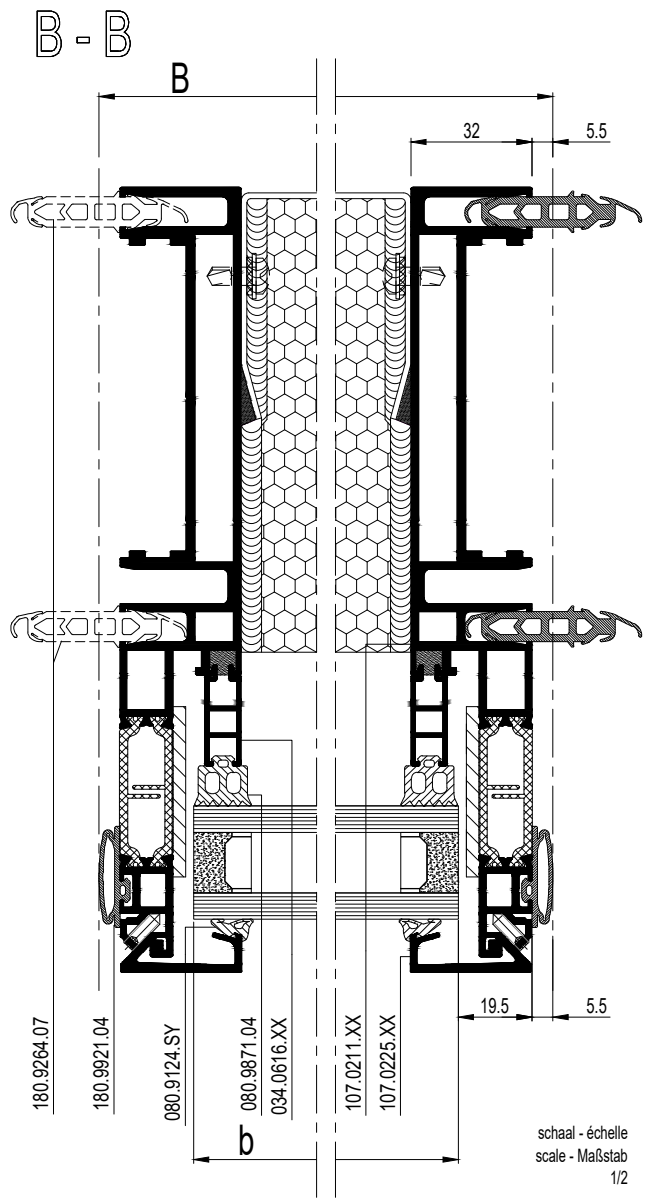
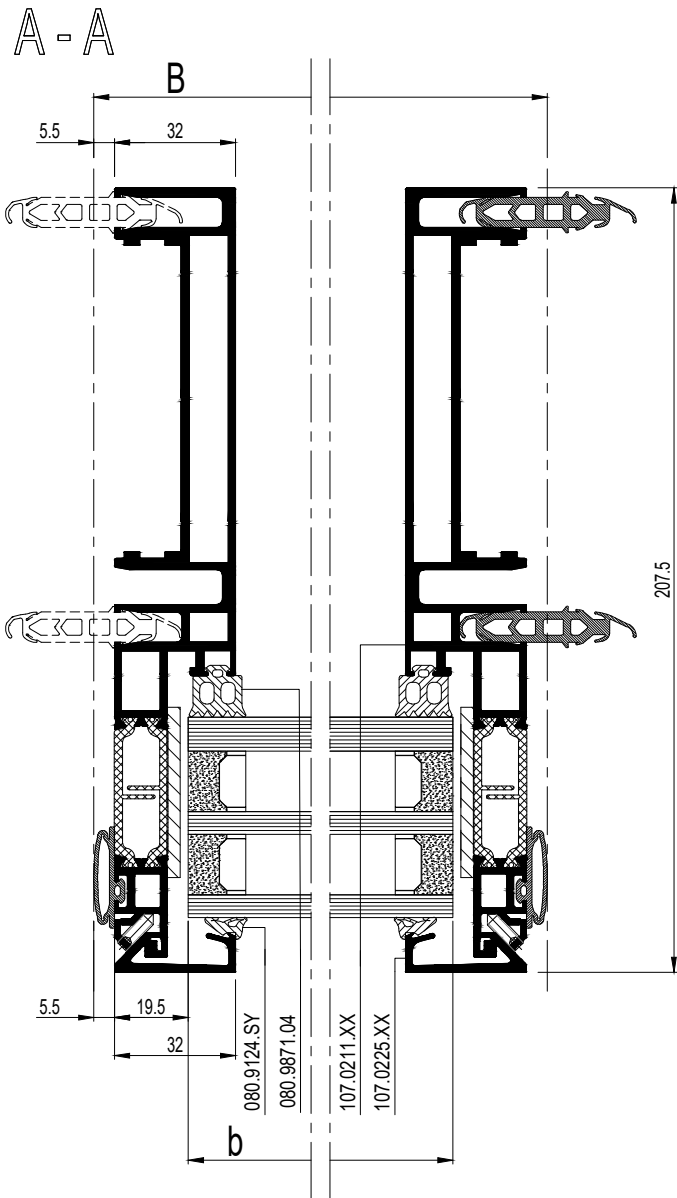
schaal - échelle
scale - Maßstab
1/2

		#			#			#
152.5381.--		4	180.9921.04		2xH	180.9405.04		2
152.5201.--		6	180.9922.04		1xB	162.9409.04		1
152.5301.--		20	180.9923.04		1xB	162.9411.04		1
052.5308.--		4	180.9264.04		2xH	169.8400.04		1
052.5312.--		2/500 mm	180.9269.04		2xB	180.9865.04		4
052.5355.--		4	080.9815.SY		1xb	080.9863.04		2
151.5279.--		8	080.9871.04		2xb	180.9920.04		1
173.8400.00		2	080.9876.04		(2xb)+(2xh1)+(2xh2)	OPTIE / OPTION / OPTION / OPTION (**)		
073.8402.00		2	080.9124.SY		(4xb)+(2xh1)+(2xh2)	080.9629.07		4xB + 2xH



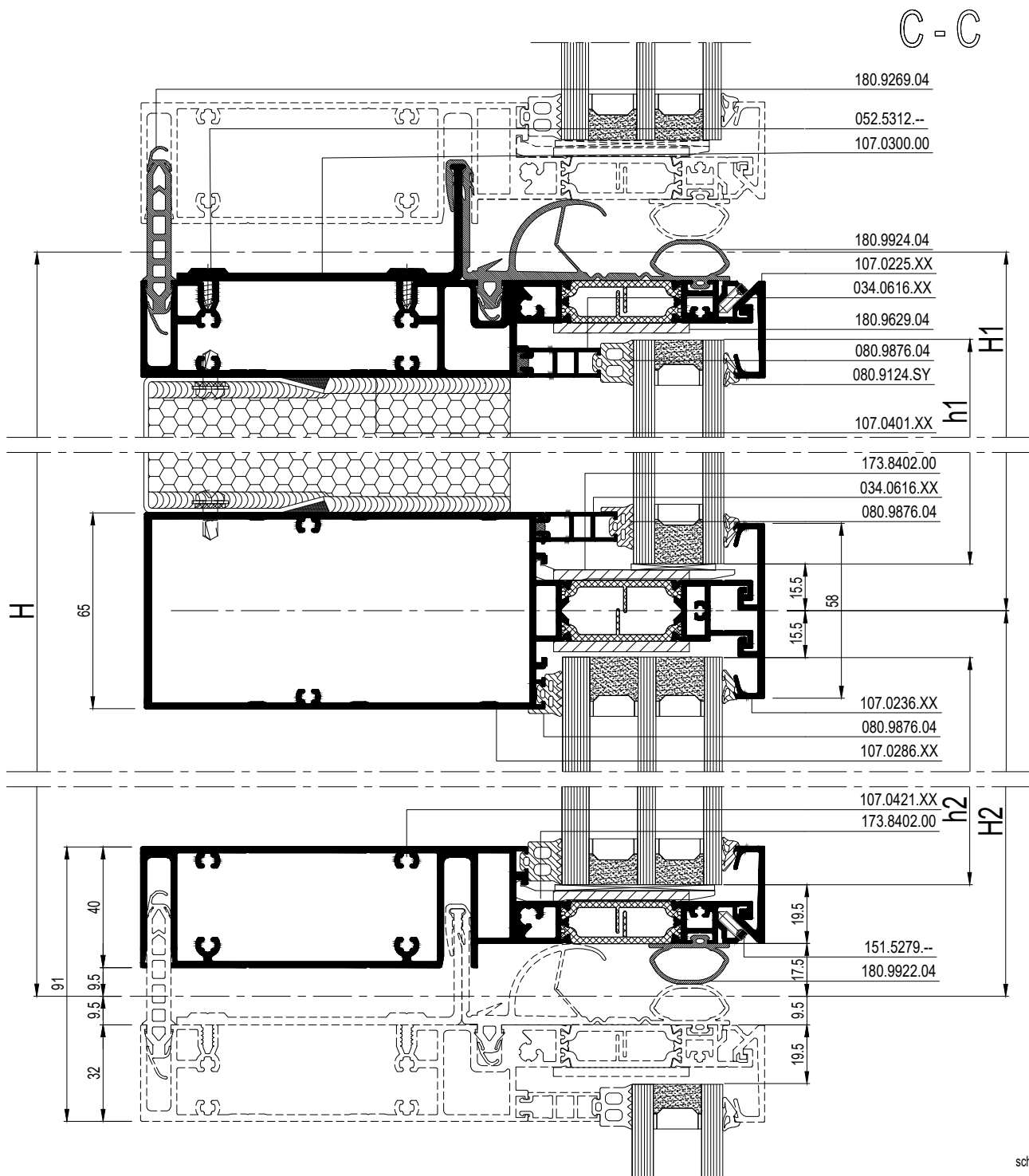


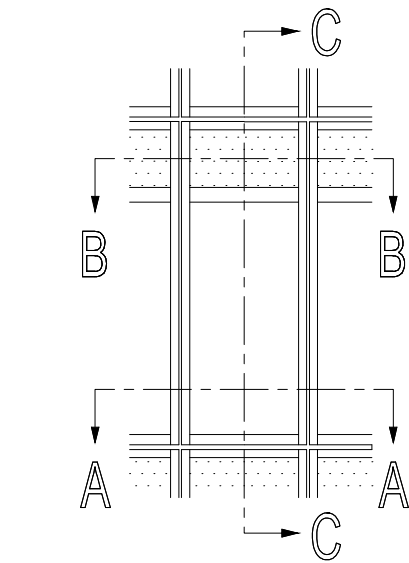
				#	$\leftarrow L_m \rightarrow$
b = B - 50 h1 = H1 - 44.5 h2 = H2 - 52.5	107.0401.XX			1	B - 40
	107.0421.XX			1	B - 40
	107.0211.XX			2	H - 19
	107.0300.00			1	B - 11
	107.0286.XX			1	B - 40
	107.0225.XX			2	H - 27
	107.0236.XX			1	B - 77
	034.0616.XX			1	B - 55
				1	B - 75
				2	H1 - 64



schaal - échelle
scale - Maßstab
1/2

		#			#			#
152.5381.--		4	180.9921.04		2xH	180.9405.04		2
152.5201.--		6	180.9922.04		1xB	162.9409.04		1
152.5301.--		20	180.9924.04		1xB	162.9411.04		1
052.5308.--		4	180.9264.04		2xH	169.8403.04		1
052.5312.--		2/500 mm	180.9269.04		1xB	180.9865.04		4
052.5355.--		4	080.9876.SY		2xb	080.9863.04		2
151.5279.--		8	080.9871.04		(2xb)+(2xh1)+(1xh2)	180.9920.04		1
173.8402.00		4	080.9124.SY		(4xb)+(2xh1)+(2xh2)	OPTIE / OPTION / OPTION / OPTION (**)		
			180.9629.07		4xB + 2xH			

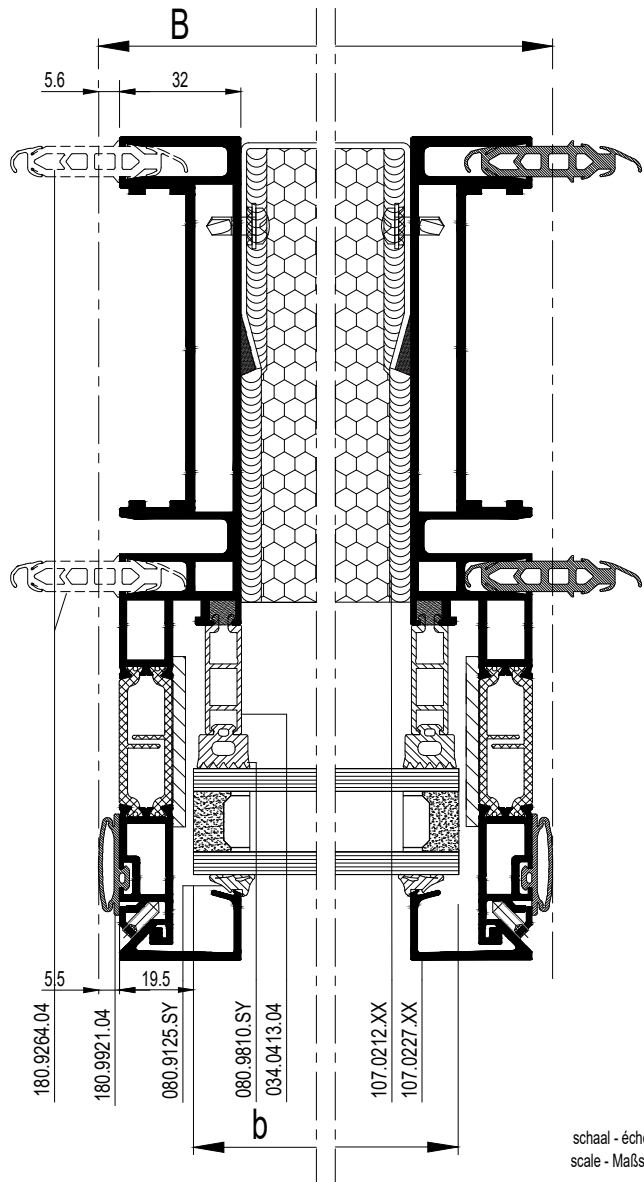
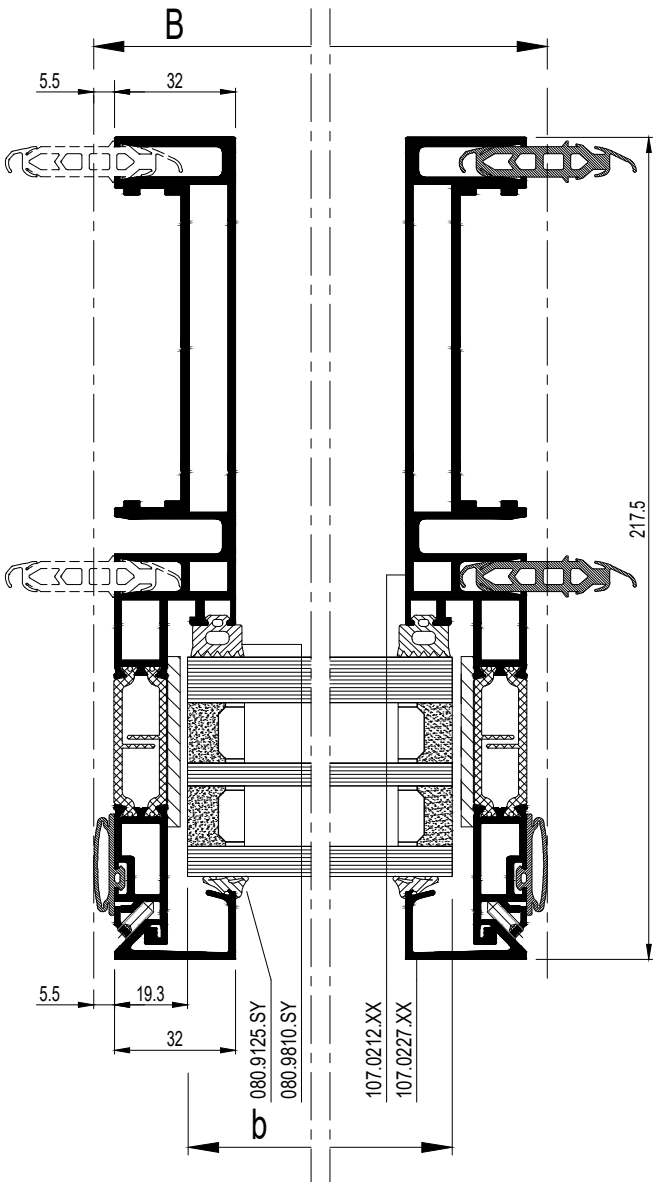




A - A

B - B

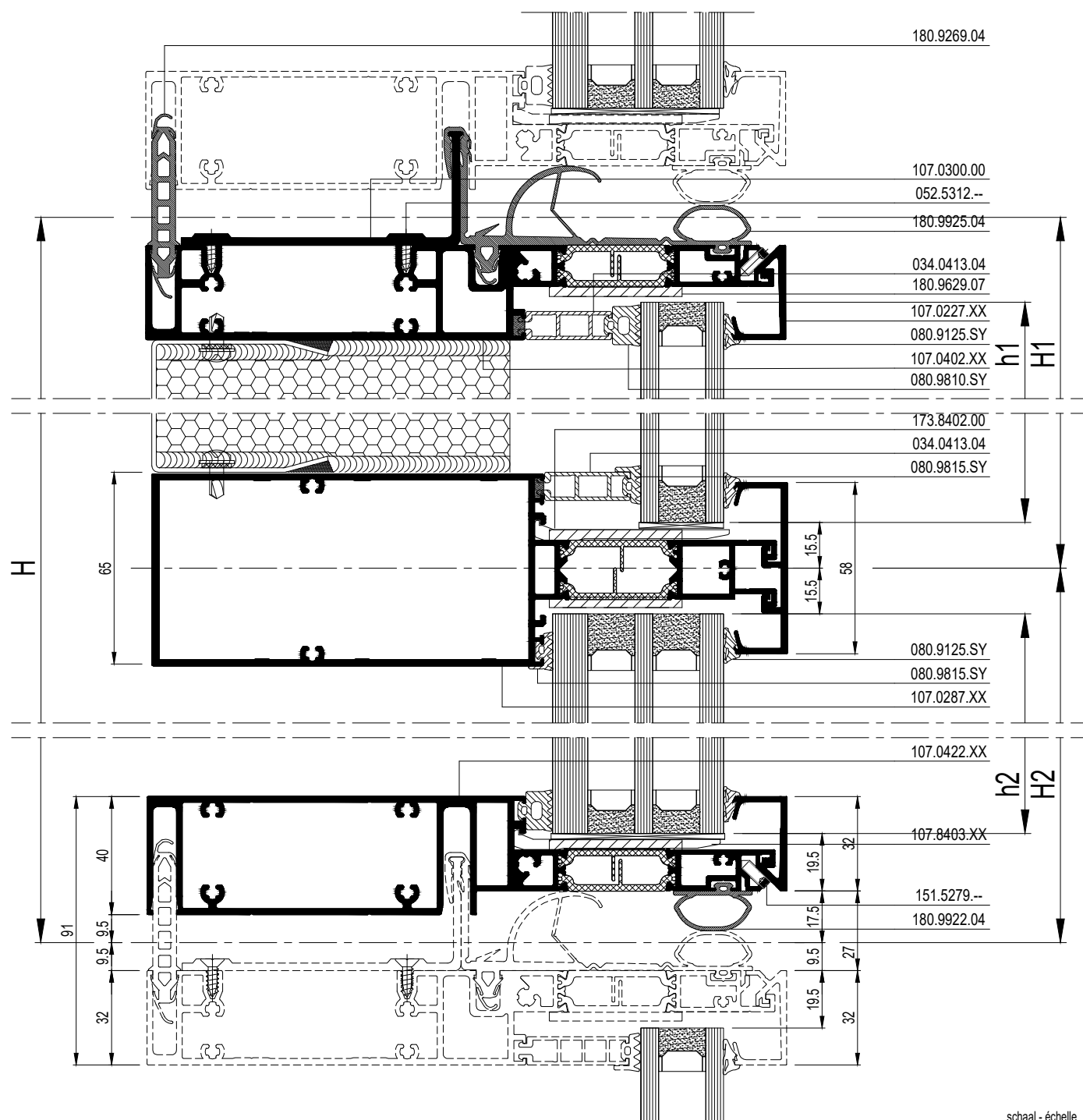
				#	Lm
b = B - 50 h1 = H1 - 44.5 h2 = H2 - 52.5	107.0212.XX			2	H - 19
	107.0422.XX			1	B - 40
	107.0402.XX			1	B - 40
	107.0300.00			1	B - 11
	107.0282.XX			1	B - 40
	107.0227.XX			2	H - 27
	107.0238.XX			1	B - 76
	034.0413.04			1	B - 55
				1	B - 75
				2	H1 - 64

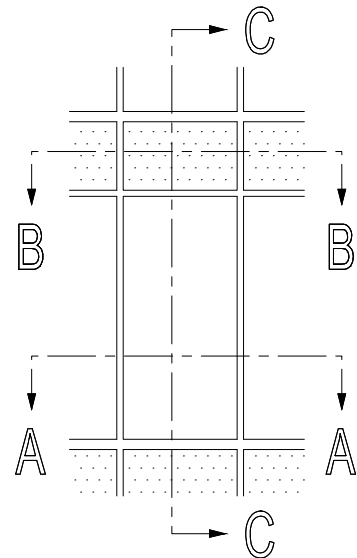


schaal - échelle
scale - Maßstab
1/2

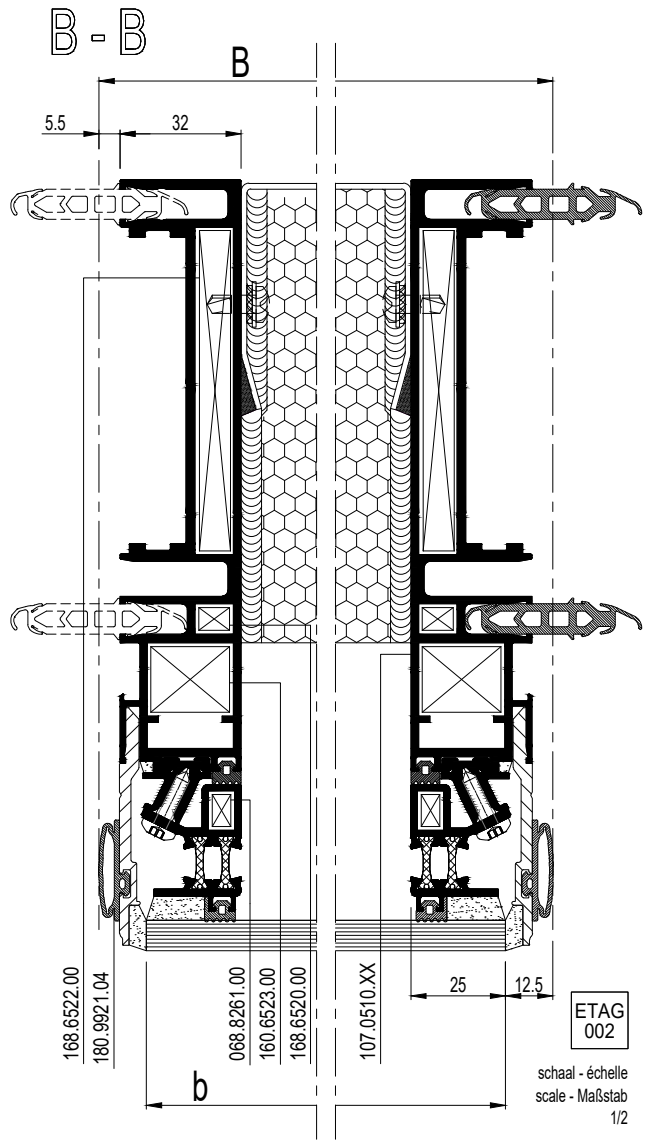
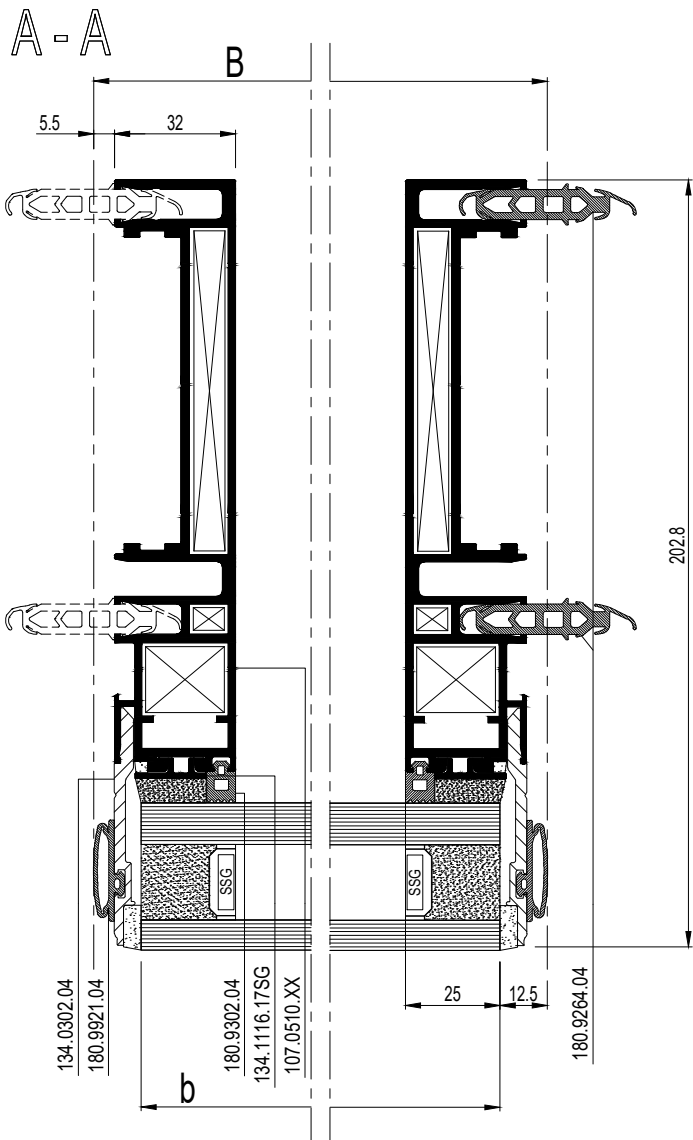
		#			#			#
152.5381.--		4	180.9921.04		2xH	080.9864.04		2
152.5201.--		6	180.9922.04		1xB	180.9405.04		2
152.5301.--		20	180.9925.04		1xB	162.9409.04		1
052.5308.--		4	180.9264.04		2xH	162.9411.04		1
052.5312.--		2/500 mm	180.9269.04		1xB	169.8406.04		1
052.5355.--		4	080.9815.SY		2xb	180.9920.04		1
151.5279.--		8	080.9810.SY		(2xb)+(2xh1)+(2xh2)	OPTIE / OPTION / OPTION / OPTION (**)		
173.8402.00		2	080.9125.04		(4xb)+(2xh1)+(2xh2)	180.9629.07		4xB + 2xH
173.8403.XX		2	080.9872.04		2			

C - C

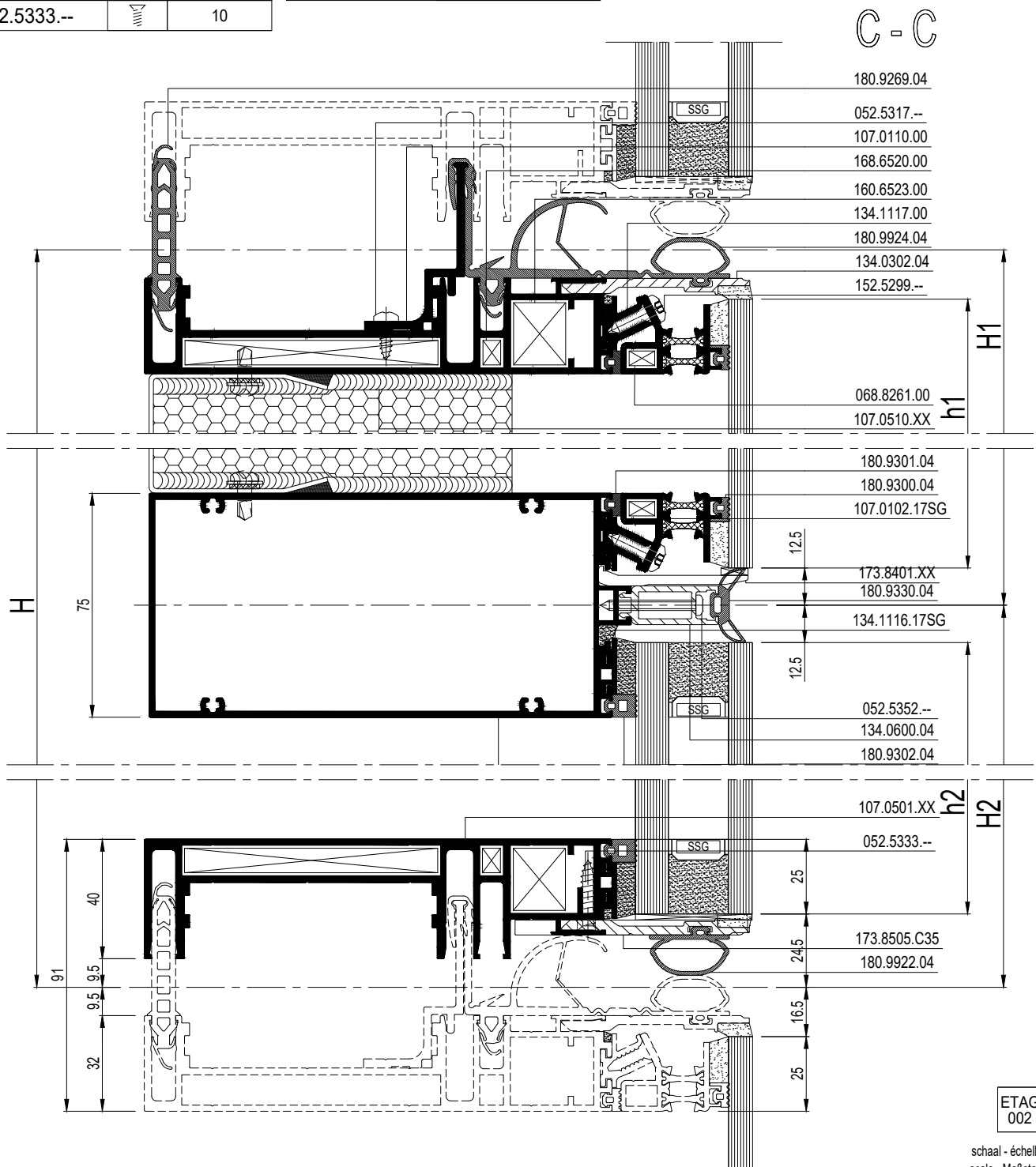




				#	Lm
b = B - 25	107.0501.XX			1	B + 5 B - 11
h1 = H1 - 29	107.0510.XX			1	B - 11
h2 = H2 - 37	107.0110.00			2	H - 27
	107.0585.XX			1	B - 11
	134.1116.17SG			1	B-61
				1	B-22
				2	H2-34
	134.1117.00			1	B-76
				1	B-23.3
				2	H1-45.2
	107.0102.17SG			2	H1 - 26.5
				2	B - 22.5
	134.0302.04			2	B - 11
				2	H - 27
	134.0600.04			1	B - 23

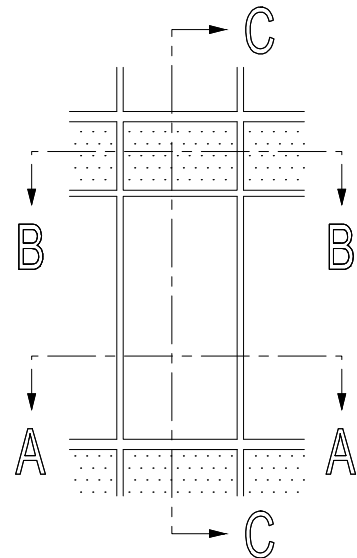


		#			#			#
068.8261.00		4	180.9921.04		2xH	162.9412.04		2
160.6523.00		4	180.9922.04		1xB	173.8401.XX		2
168.6520.00		4	180.9920.04		1	173.8505.C35		2
168.6522.00		4	180.9924.04		1xB	052.5343.--		8
052.5317.--		1/500 mm	180.9264.04		2xH	180.9880.04		1
152.5301.--		8	180.9269.04		1xB			
052.5308.--		8	180.9300.04		2xb + 2xh1			
052.5352.--		2	180.9301.04		4xb + 2xh1 + 2xh2			
152.5310.--		8	180.9302.04		2xb + 2xh2			
152.5299.--		1/300 mm	180.9330.04		1xB			
052.5333.--		10						

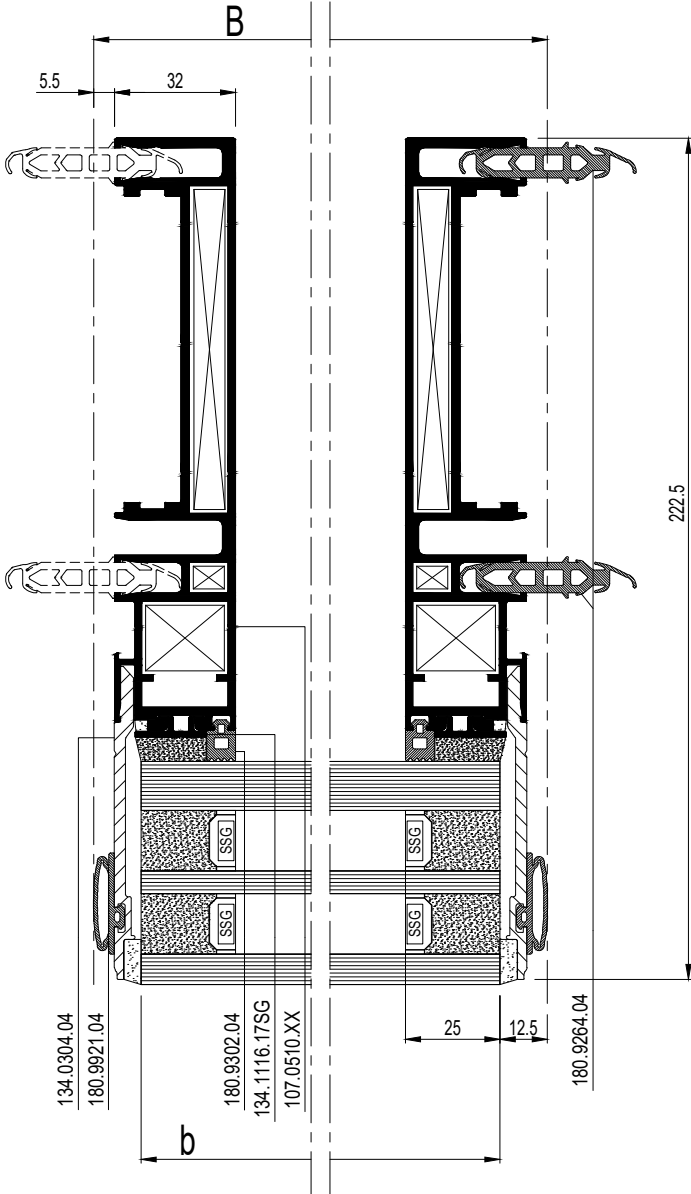


ETAG
002

schaal - échelle
scale - Maßstab
1/2

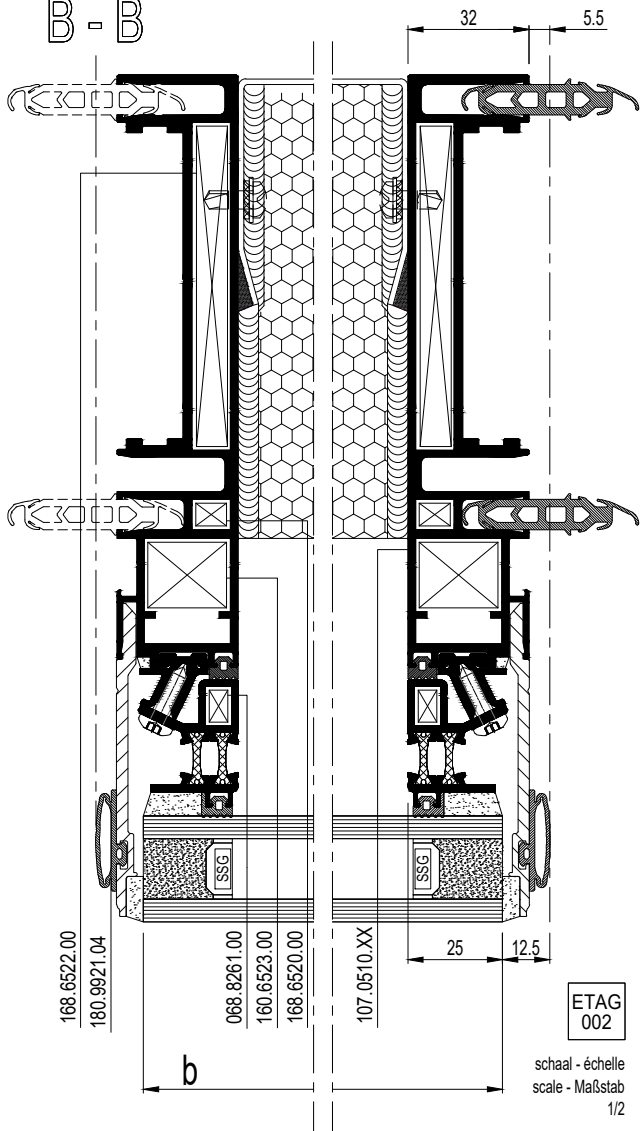


A - A

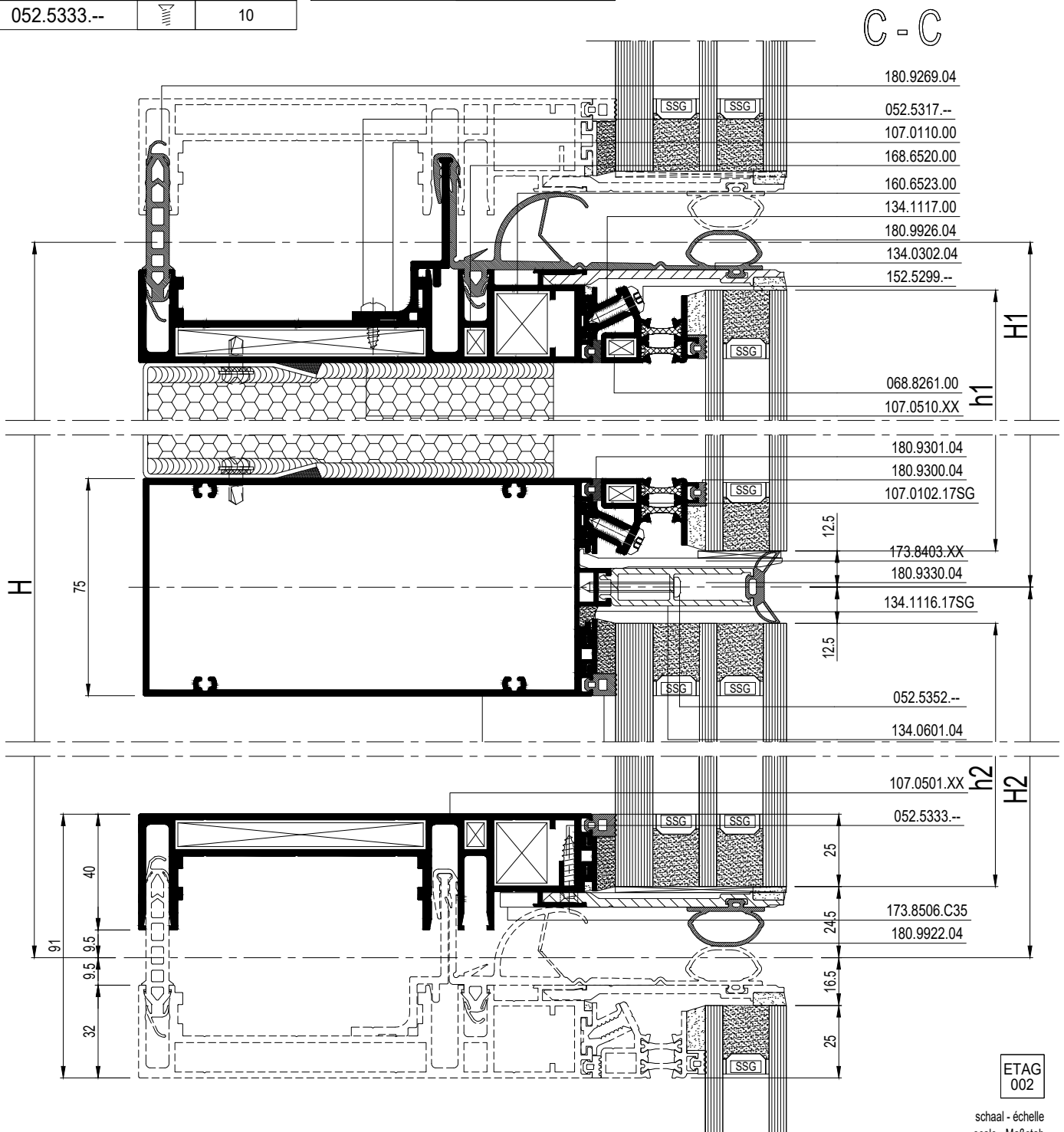


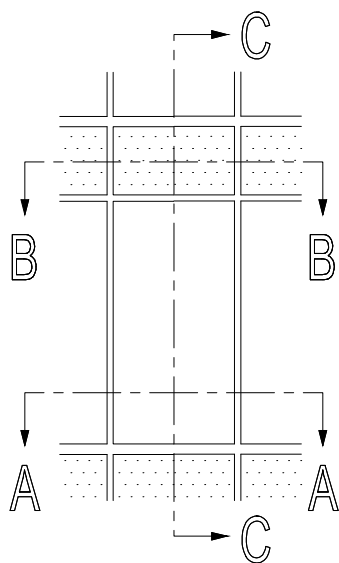
				#	
b = B - 25	107.0501.XX			1	B + 5 B - 11
h1 = H1 - 29	107.0510.XX			1	B - 11
h2 = H2 - 37			2	H - 27	
	107.0110.00			1	B - 11
	107.0585.XX			1	B - 76
	134.1116.17SG			1	B-61
				1	B-22
				2	H2-34
	134.1117.00			1	B-76
				1	B-23.3
				2	H1-45.2
	107.0102.17SG			2	H1 - 26.5
				2	B - 22.5
	134.0304.04			2	B - 11
				2	H - 27
	134.0601.04			1	B - 23

B - B



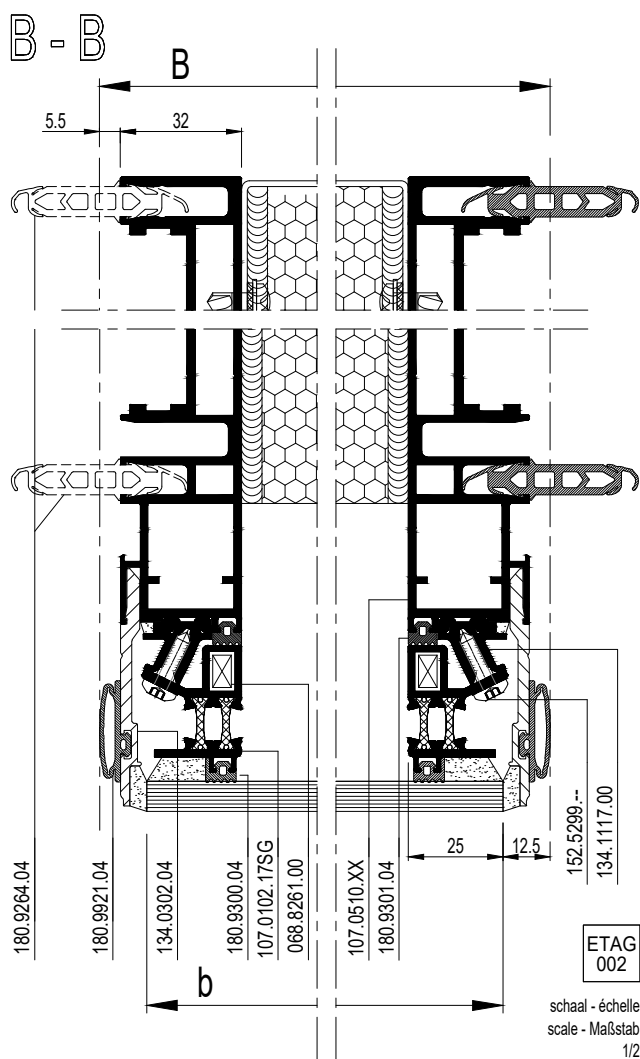
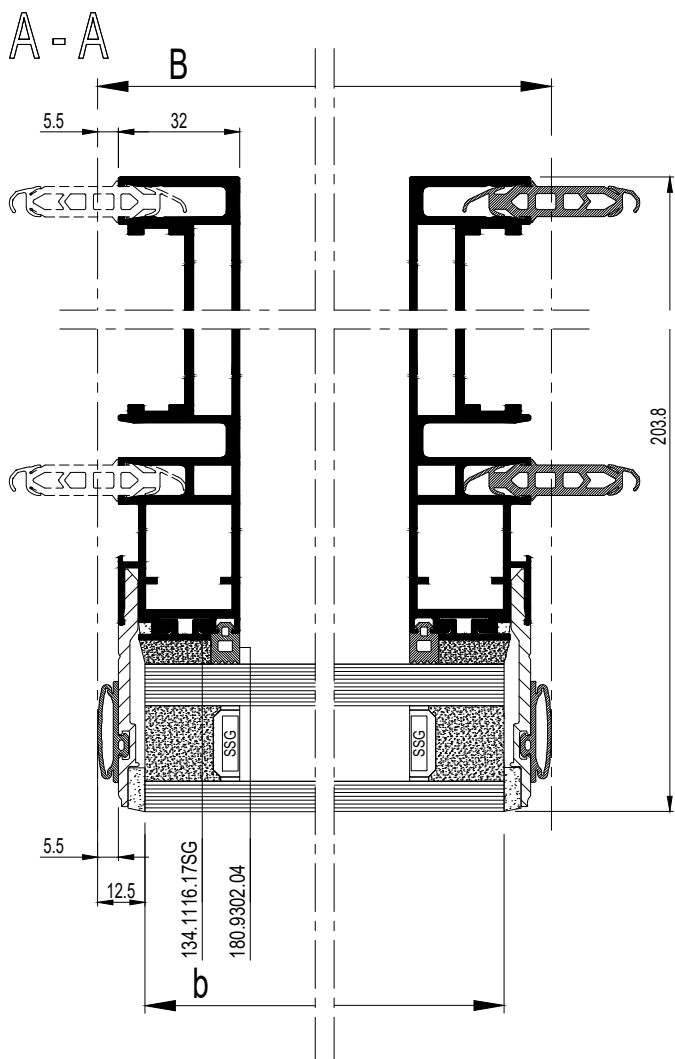
		#			#			#
068.8261.00		4	180.9921.04		2xH	162.9412.04		2
160.6523.00		4	180.9922.04		1xB	173.8403.XX		2
168.6520.00		4	180.9920.04		1	173.8506.C35		2
168.6522.00		4	180.9926.04		1xB	052.5343.--		8
052.5317.--		1/500 mm	180.9264.04		2xH	180.9880.04		1
152.5301.--		8	180.9269.04		1xB			
052.5352.--		2	180.9300.04		2xb + 2xh1			
052.5308.--		8	180.9301.04		4xb + 2xh1 + 2xh2			
152.5310.--		8	180.9302.04		2xb + 2xh2			
152.5299.--		1/300 mm	180.9330.04		1xB			
052.5333.--		10						





b = B - 25
h1 = H1 - 29
h2 = H2 - 37

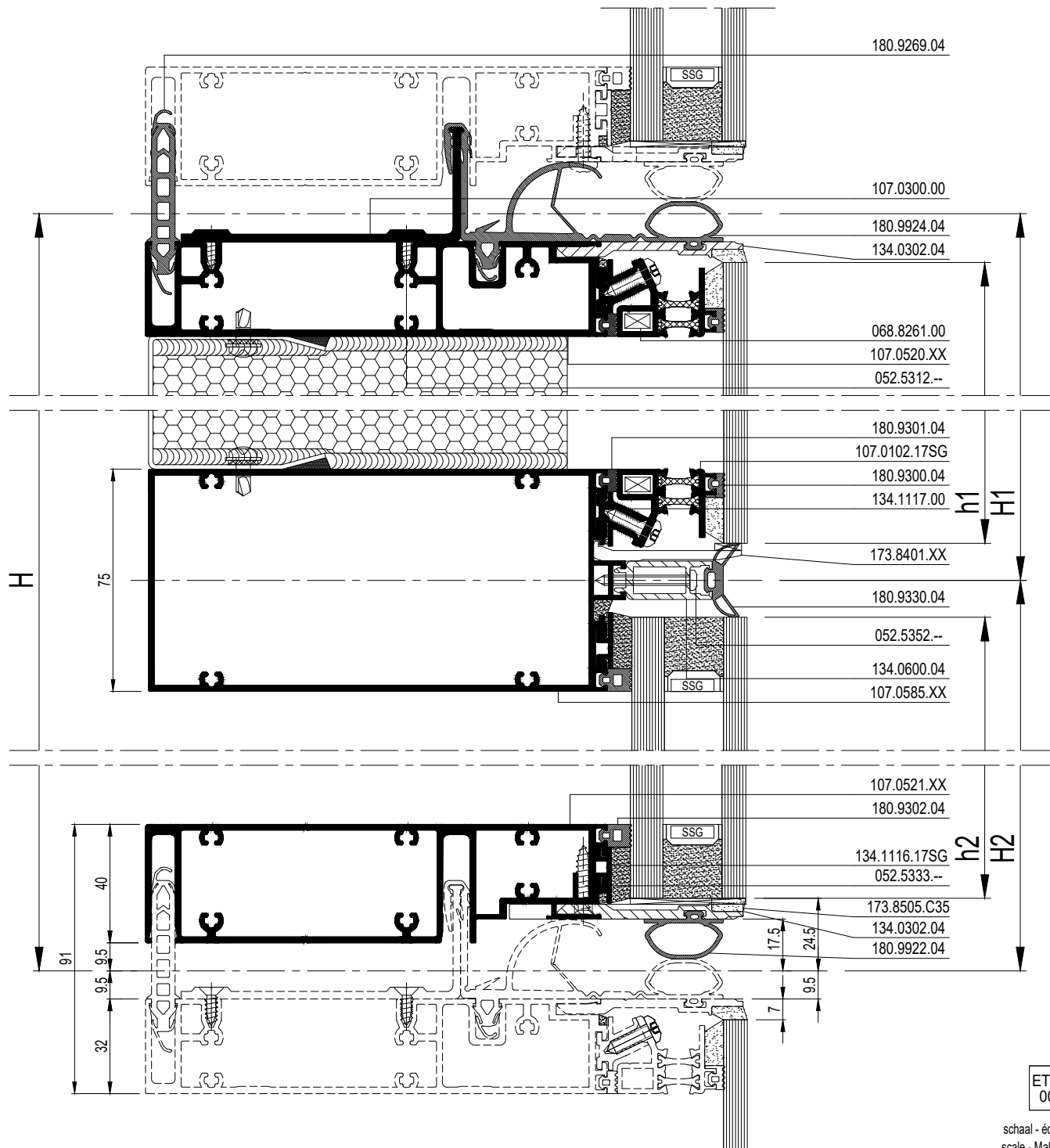
			#	Lm
107.0510.XX			2	H - 19
107.0520.XX			1	B - 76
107.0521.XX			1	B - 76
107.0300.00			1	B - 11
107.0585.XX			1	B - 76
134.1116.17SG			2	H2 - 34
			2	B - 61
134.1117.00			2	H1 - 63.2
			2	B - 76
107.0102.17SG			2	H1 - 26.5
			2	B - 22.5
134.0302.04			2	B - 11
			2	H - 27
134.0600.04			1	B - 23

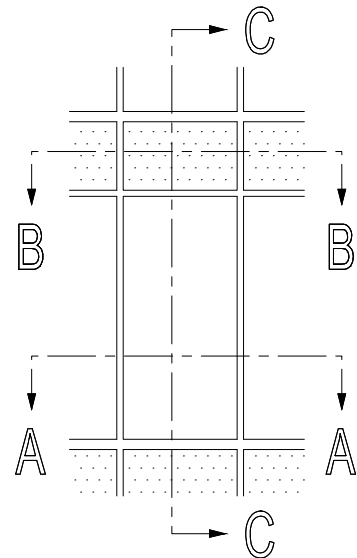


schaal - échelle
scale - Maßstab
1/2

		#			#			#
068.8261.00		4	180.9921.04		2xH	169.8410.04		1
052.5312.--		2/500 mm	180.9922.04		1xB	162.9412.04		2
152.5301.--		30	180.9920.04		1	162.9408.04		1
052.5352.--		2	180.9924.04		1xB	162.9410.04		1
052.5308.--		8	180.9264.04		2xH	180.9880.04		2
152.5310.--		8	180.9269.04		1xB			
152.5299.--		1/300 mm	180.9300.04		2xb + 2xh1			
173.8401.XX		2	180.9301.04		2xb + 2xh1			
173.8505.C35		2	180.9302.04		2xb + 2xh2			
052.5333.--		10	180.9330.04		1xB			

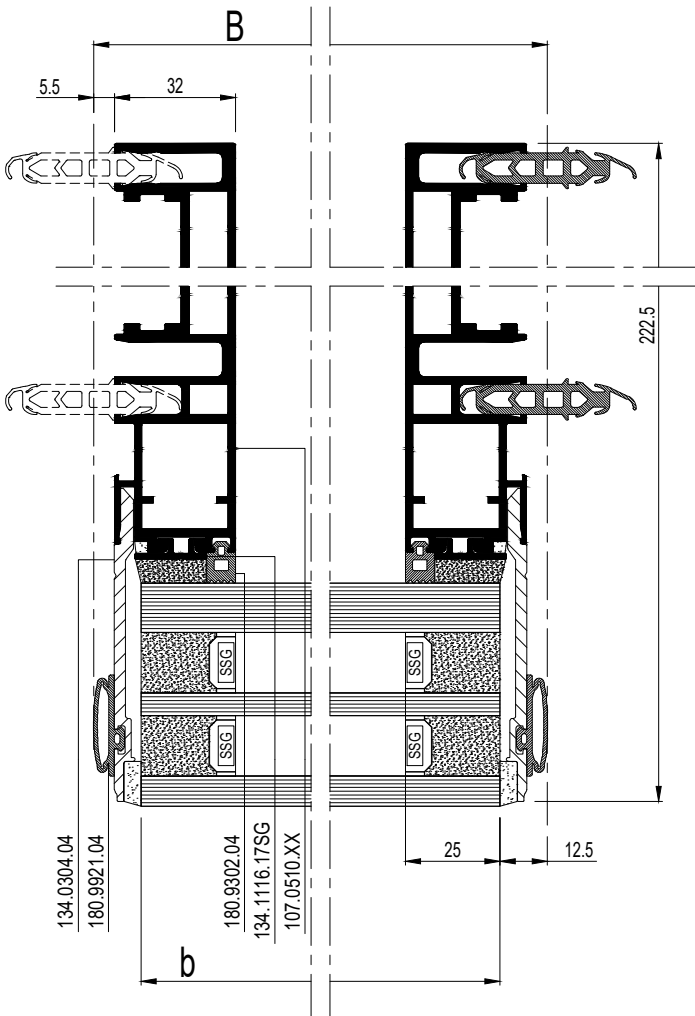
C - C



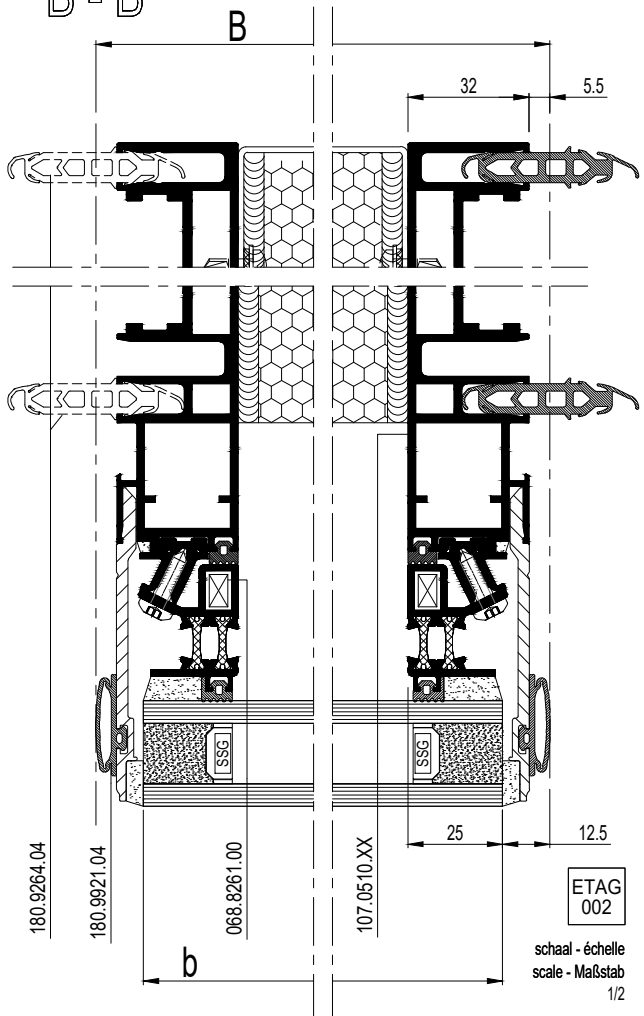


				#	$\leftarrow L_m \rightarrow$
b = B - 25 h1 = H1 - 29 h2 = H2 - 37	107.0510.XX			2	H - 19
	107.0520.XX			1	B - 76
	107.0521.XX			1	B - 76
	107.0300.00			1	B - 11
	107.0585.XX			1	B - 76
	134.1116.17SG			2	H2 - 34
	134.1117.00			2	H1 - 63.2
				2	B - 76
	107.0102.17SG			2	H1 - 26.5
				2	B - 22.5
	134.0304.04			2	B - 11
				2	H - 27
	134.0601.04			1	B - 23

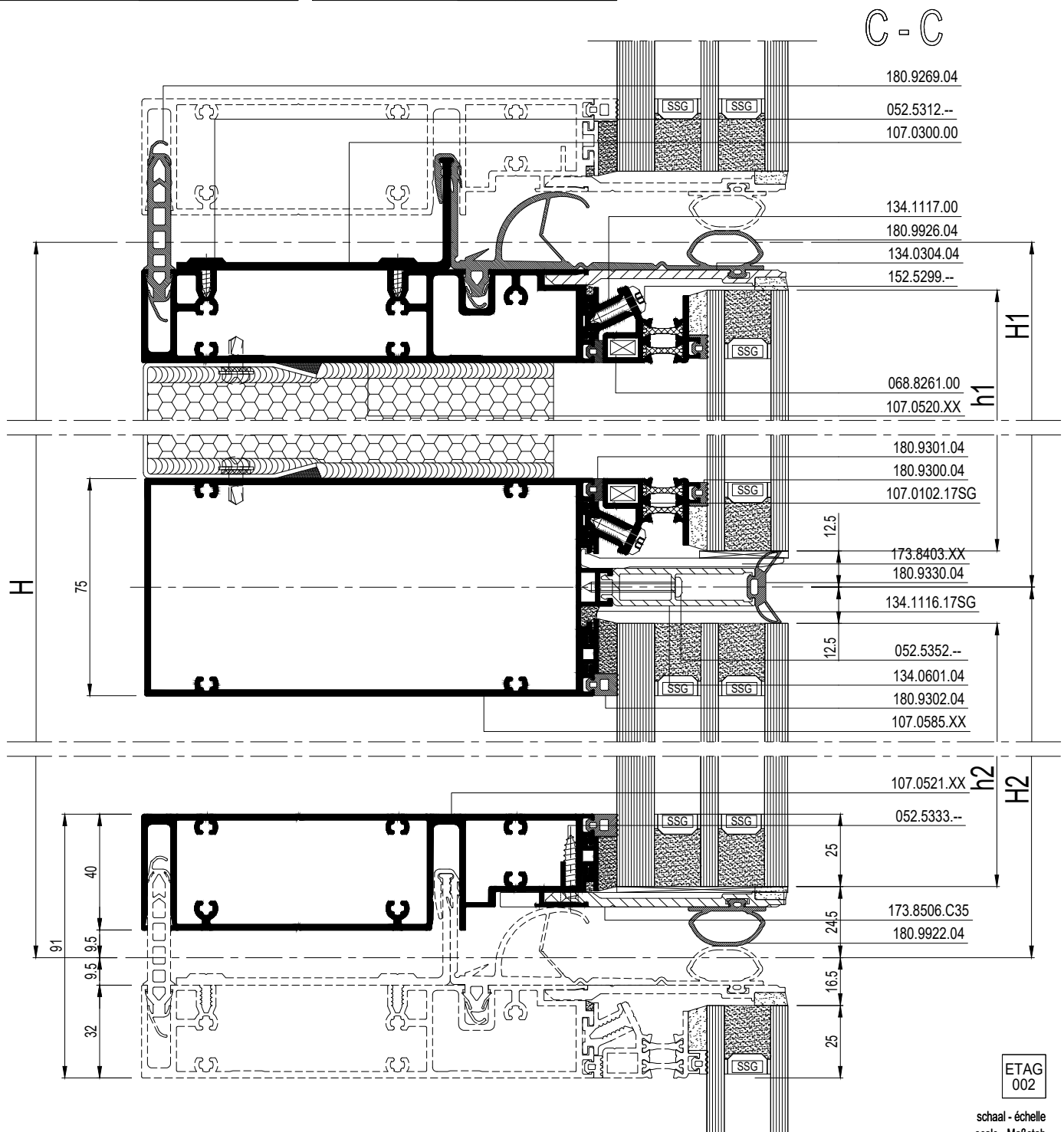
A - A

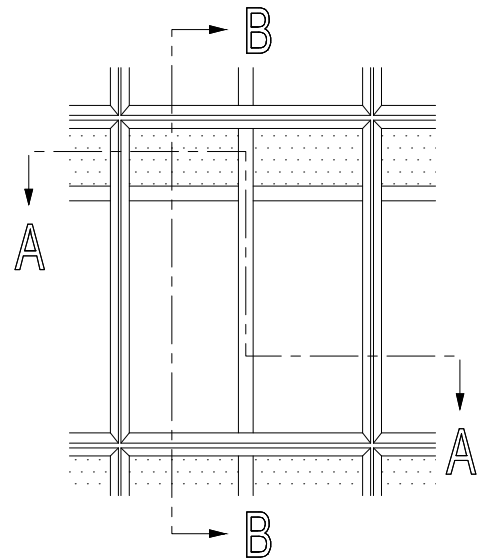


B - B



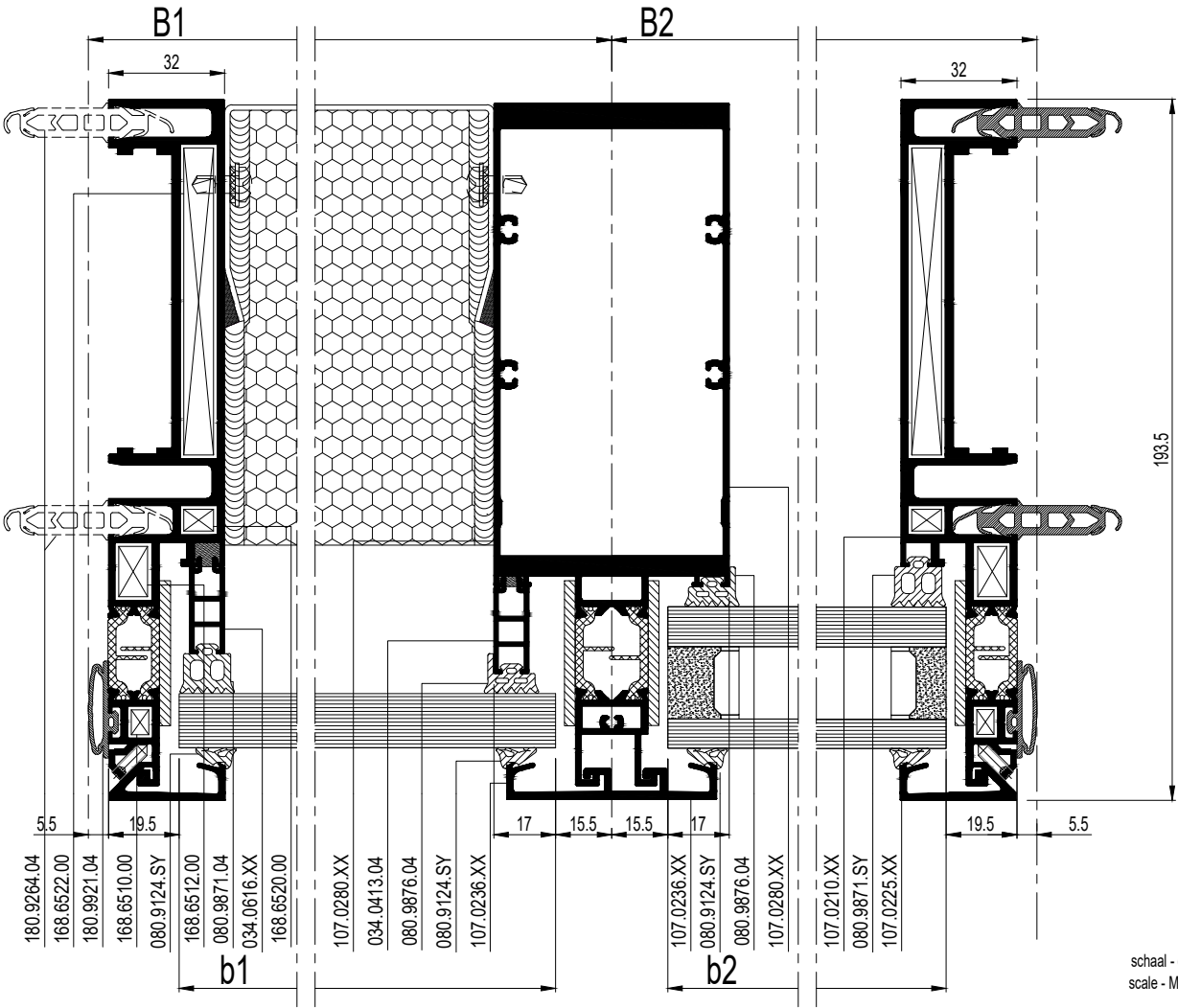
		#			#			#
068.8261.00		4	180.9921.04		2xH	169.8410.04		1
052.5312.--		2/500 mm	180.9922.04		1xB	162.9408.04		1
152.5301.--		30	180.9920.04		1	162.8410.04		1
052.5352.--		2	180.9926.04		1xB	162.9412.04		2
052.5308.--		8	180.9264.04		2xH	180.9880.04		2
152.5310.--		8	180.9269.04		1xB			
152.5299.--		1/300 mm	180.9300.04		2xb + 2xh1			
173.8403.XX		2	180.9301.04		2xb + 2xh1			
173.8506.C35		2	180.9302.04		2xb + 2xh2			
052.5333.--		10	180.9330.04		1xB			





A - A

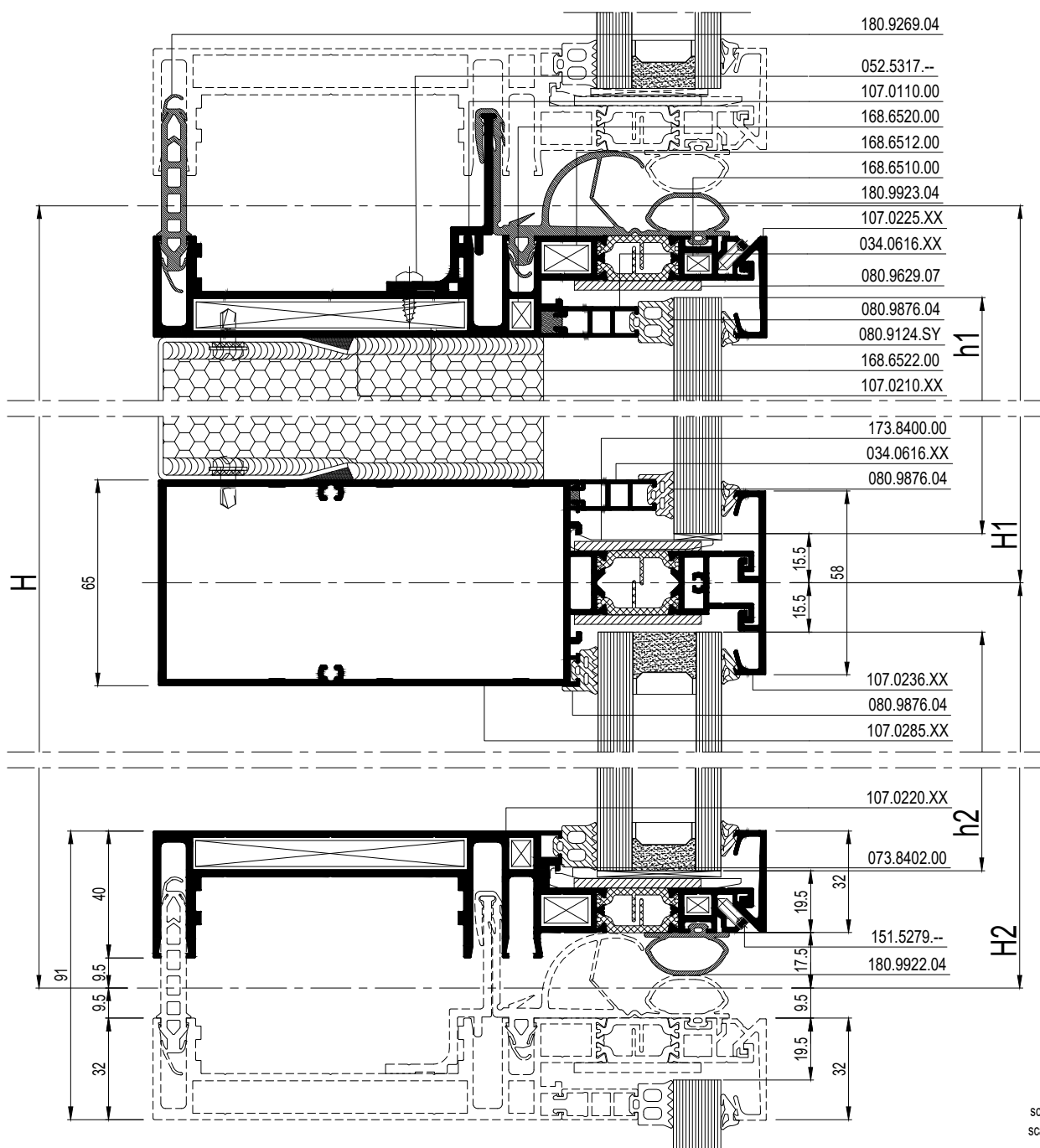
				#	Lm
b1 = B1 - 40.5	107.0220.XX			1	B + 5 B - 11
b2 = B2 - 40.5	107.0210.XX			1	B - 11
h1 = H1 - 44.5	107.0110.00			1	H - 27
h2 = H2 - 52.5	107.0285.XX			1	B1 - 35
	107.0280.XX			1	B2 - 35
	107.0225.XX			1	H - 56
	107.0236.XX			2	H - 27
				2	B - 11
	034.0616.XX			1	H - 93
				1	B1 - 68
				1	B2 - 68
				1	B1 - 70
				1	B2 - 70
				1	B1 - 50
				1	B2 - 50
				4	H1 - 64



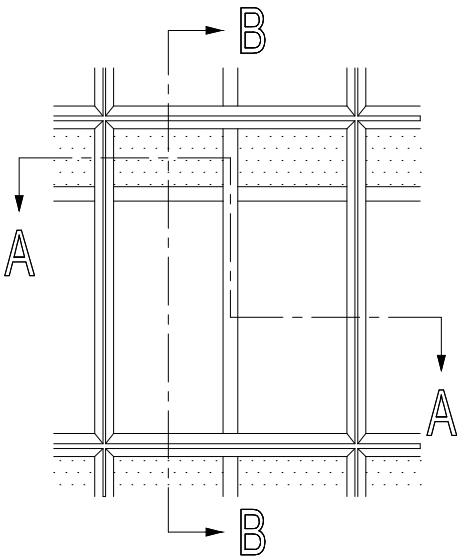
schaal - échelle
scale - Maßstab
1/2

		#			#			#
168.6510.00		4	180.9921.04		2xH	180.9865.04		4
168.6512.00		4	180.9922.04		1xB	180.9873.04		4
168.6520.00		4	180.9923.04		1xB	180.9920.04		1
168.6522.00		4	180.9264.04		2xH	OPTIE / OPTION / OPTION / OPTION (**)		
052.5317.--		1/500 mm	180.9269.04		1xB	080.9629.07		4xB + 4xH
052.5355.--		8	080.9871.04		(2xh)+(2xb)			
152.5201.--		4	080.9876.04		(2xh)+(2xb1)+(2xb2)			
152.5301.--		12	080.9124.SY		(4xh)+(4xb)			
052.5308.--		4	180.9405.04		4			
052.6330.--		8	180.9404.04		2			
151.5279.--		8	173.7510.00		2			
173.8400.00		4	162.5000.04		67.F. ...			
073.8402.00		4	080.9863.04		2			

B - B

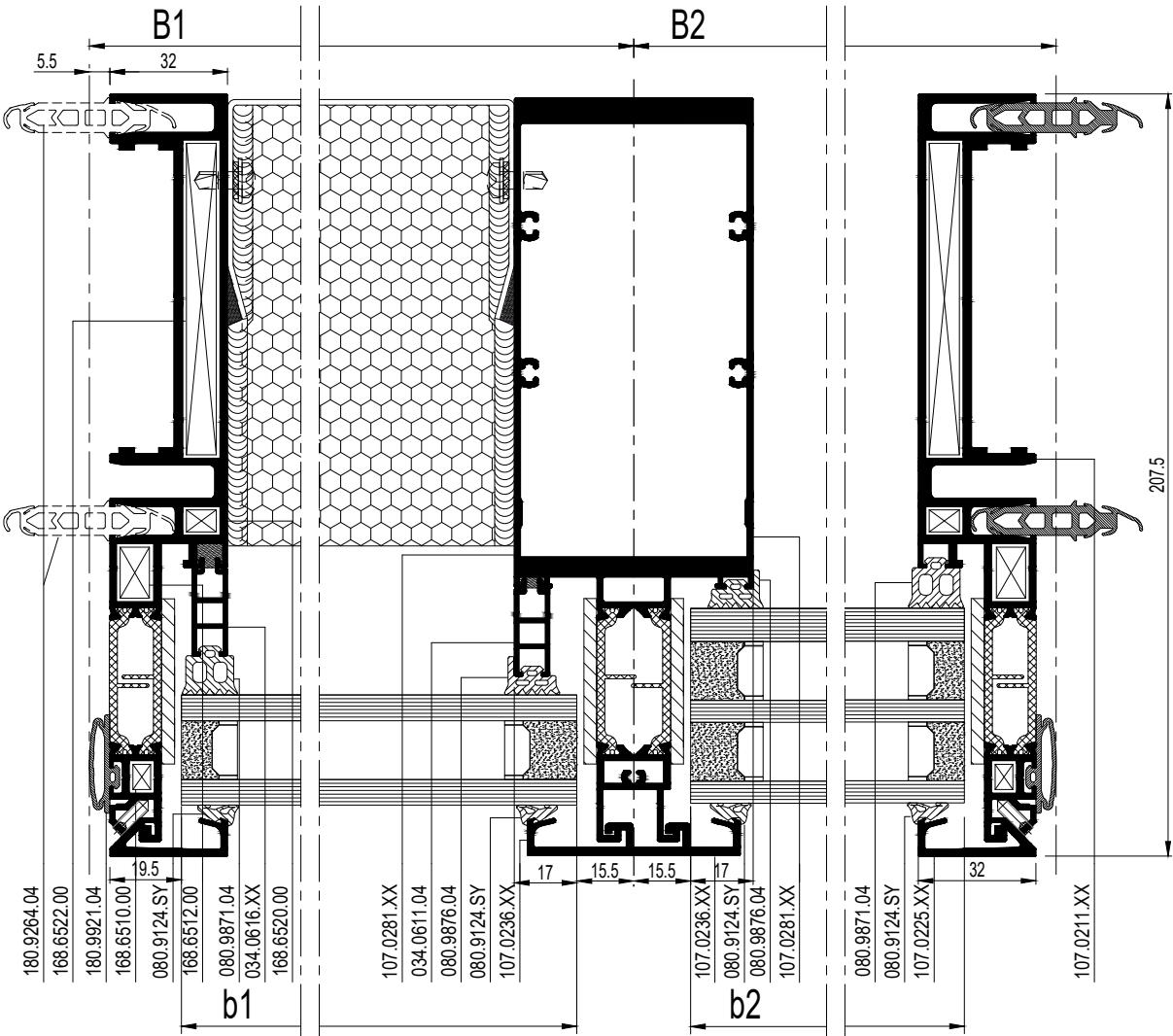


schaal - échelle
 scale - Maßstab
 1/2



A - A

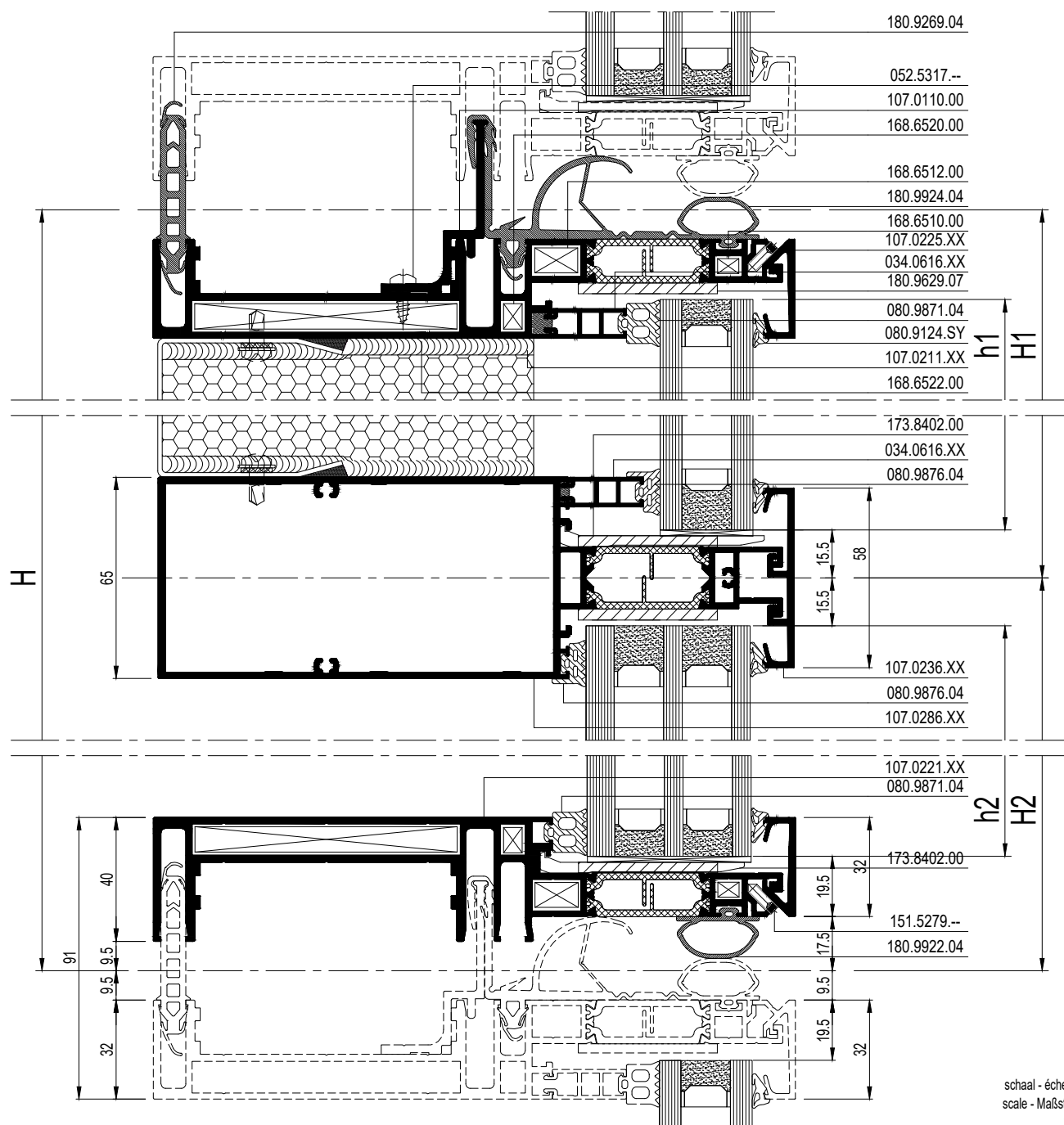
				#	Lm
b1 = B1 - 40.5	107.0221.XX			1	B + 5 B - 11
b2 = B2 - 40.5	107.0211.XX			1	B - 11
h1 = H1 - 44.5	107.0110.00			1	H - 27
h2 = H2 - 52.5	107.0286.XX			1	B1 - 35
	107.0281.XX			1	B2 - 35
	107.0225.XX			1	H - 56
	107.0236.XX			2	H - 27
				2	B - 11
	034.0616.XX			1	H - 93
				1	B1 - 68
				1	B2 - 68
				1	B1 - 70
				1	B2 - 70
				1	B1 - 50
				1	B2 - 50
				4	H1 - 64



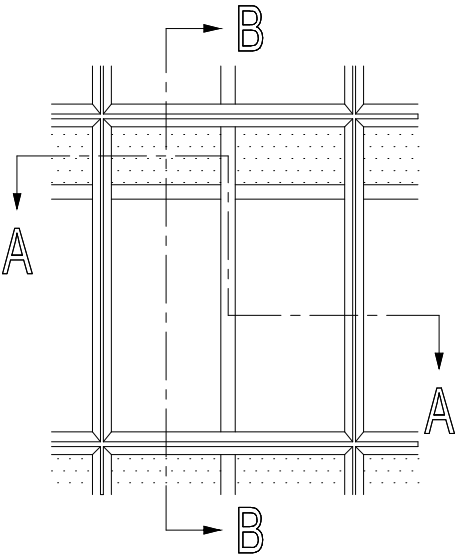
schaal - échelle
scale - Maßstab
1/2

		#			#			#
168.6510.00		4	180.9921.04		2xH	052.6330.--		8
168.6512.00		4	180.9922.04		1xB	162.5000.04		F. ...
168.6520.00		4	180.9924.04		1xB	080.9863.04		2
168.6522.00		4	180.9264.04		4xH	180.9865.04		4
052.5317.--		1/500 mm	180.9269.04		1xB	180.9873.04		4
052.5355.--		8	080.9871.04		(2xh)+(2xb)	180.9920.04		1
152.5201.--		4	080.9876.04		(2xh)+(2xb1)+(2xb2)	OPTIE / OPTION / OPTION / OPTION (**)		
152.5301.--		12	080.9124.SY		(4xh)+(4xb)	180.9629.07		4xB + 4xH
052.5308.--		4	180.9405.04		4			
151.5279.--		8	180.9404.04		2			
173.8402.00		8	173.7510.00		2			

B - B

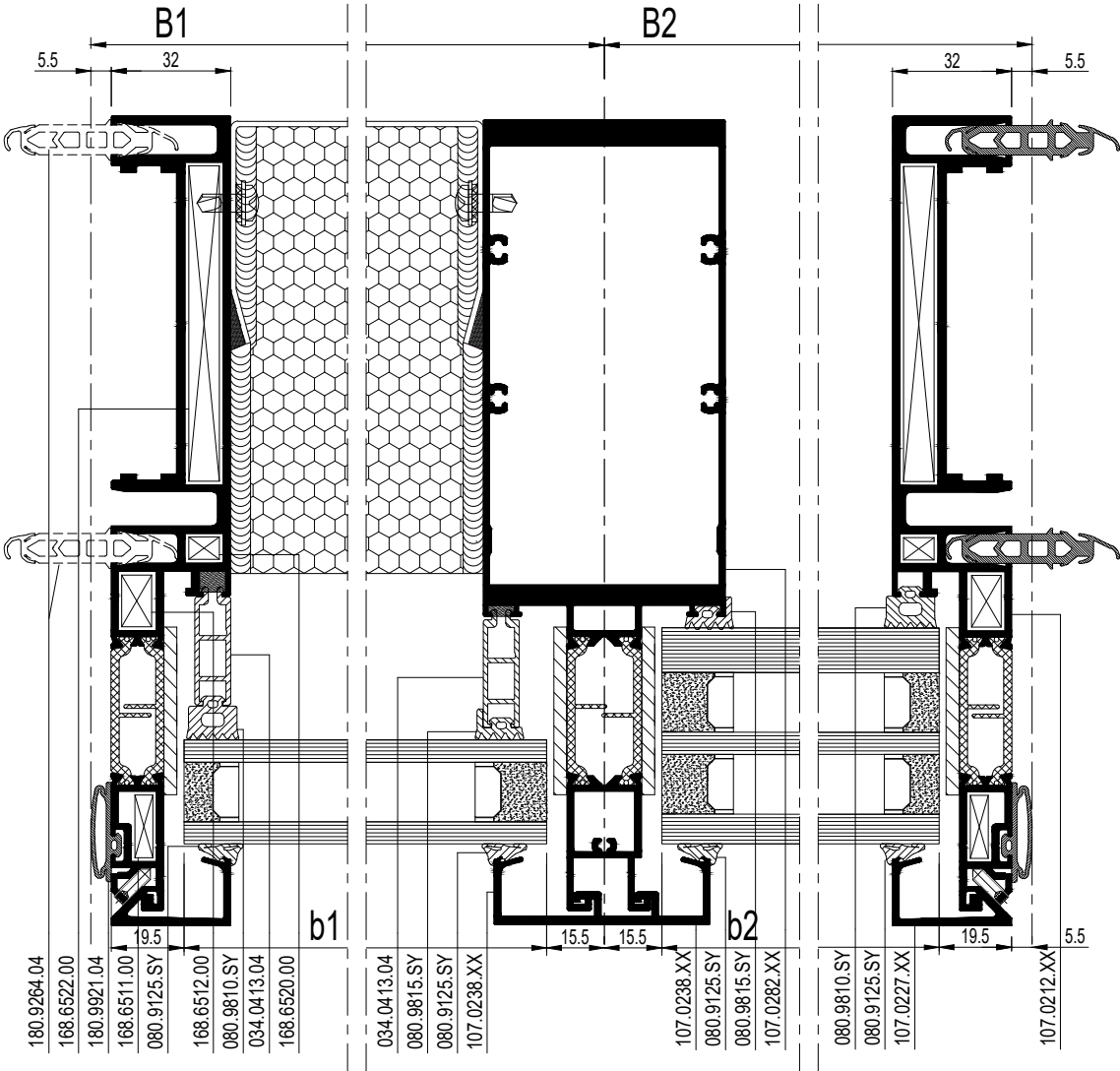


schaal - échelle
 scale - Maßstab
 1/2



A - A

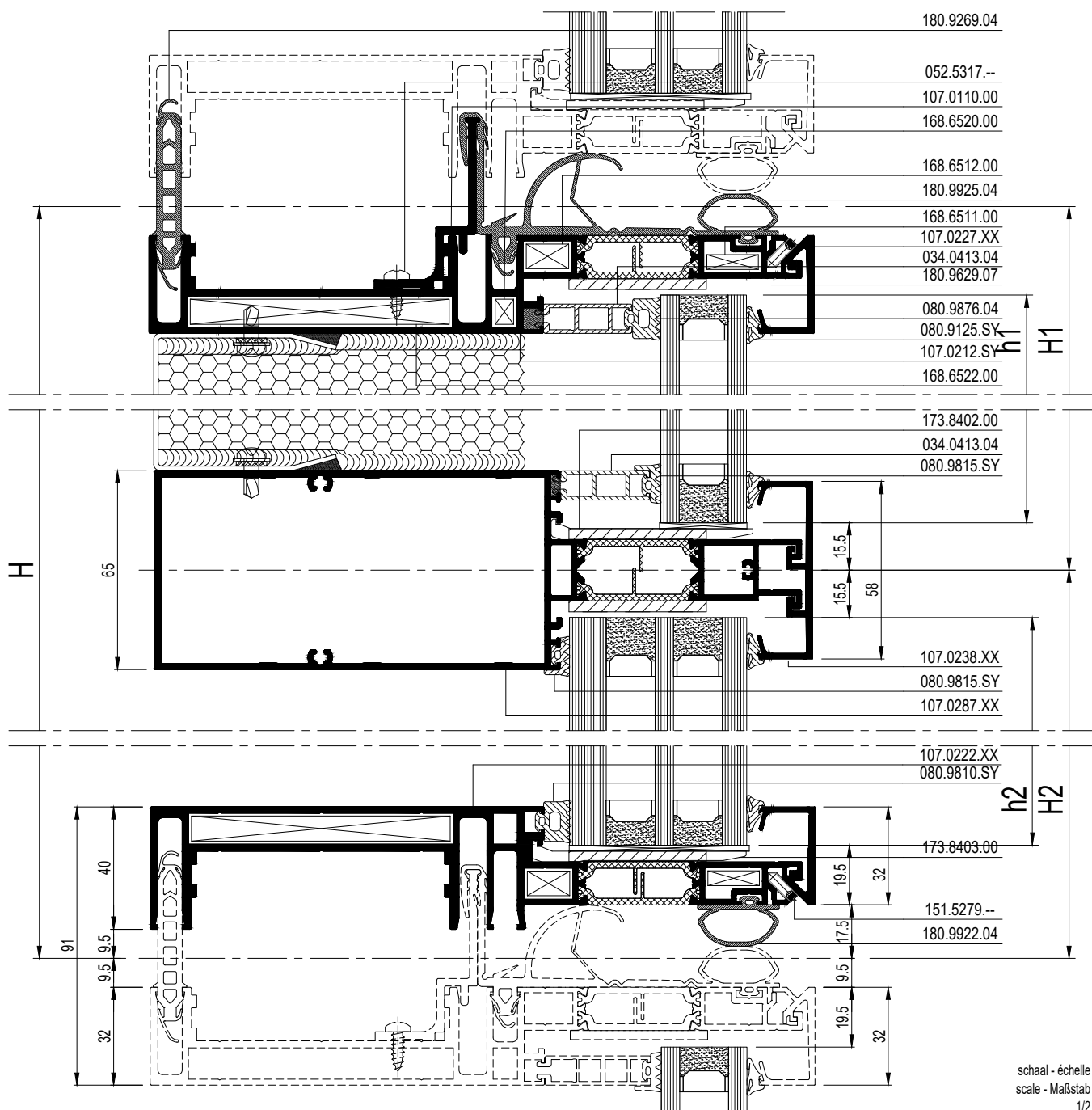
				#	Lm
b1 = B1 - 40.5	107.0222.XX			1	B + 5 B - 11
b2 = B2 - 40.5	107.0212.XX			1	B - 11
h1 = H1 - 44.5	107.0110.00			1	H - 27
h2 = H2 - 52.5	107.0287.XX			1	B1 - 35
	107.0282.XX			1	B2 - 35
	107.0227.XX			1	H - 56
	107.0238.XX			2	H - 27
				2	B - 11
				1	H - 93
				1	B1 - 68
				1	B2 - 68
	034.0413.04			1	B1 - 70
				1	B2 - 70
				1	B1 - 50
				1	B2 - 50
				4	H1 - 64



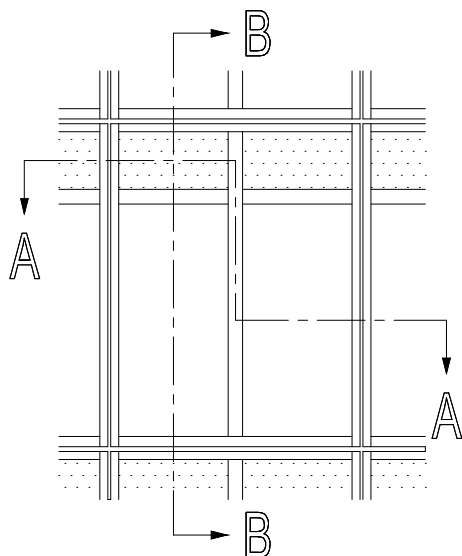
schaal - échelle
scale - Maßstab
1/2

		#			#			#
168.6511.00		4	180.9921.04		2xH	080.9864.04		2
168.6512.00		4	180.9922.04		1xB	180.9863.04		4
168.6520.00		4	180.9925.04		1xB	180.9920.04		1
168.6522.00		4	180.9264.04		2xH	OPTIE / OPTION / OPTION / OPTION (**)		
052.5317.--		1/500 mm	180.9269.04		1xB	180.9629.07		4xB + 4xH
052.5355.--		8	080.9815.SY		(2xh)+(2xb)			
152.5201.--		4	080.9810.SY		(2xh)+(2xb1)+(2xb2)			
152.5301.--		12	080.9125.SY		(4xh)+(4xb)			
052.5308.--		4	180.9405.04		4			
052.6330.--		8	180.9404.04		2			
151.5279.--		8	173.7510.00		2			
173.8402.00		4	162.5000.04		F. ...			
173.8403.00		4	080.9872.04		2			

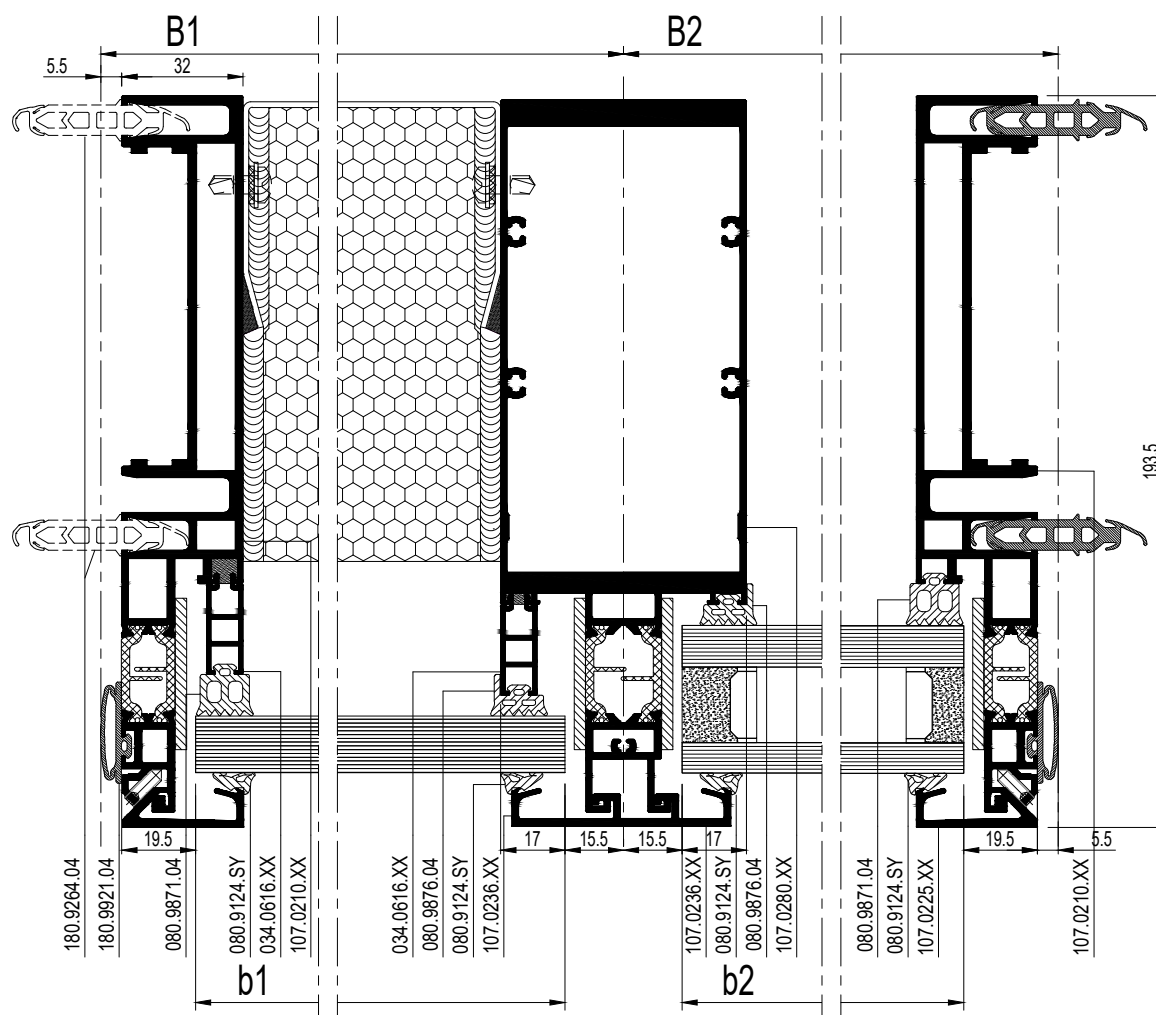
B - B



schaal - échelle
 scale - Maßstab
 1/2


$$A - A$$

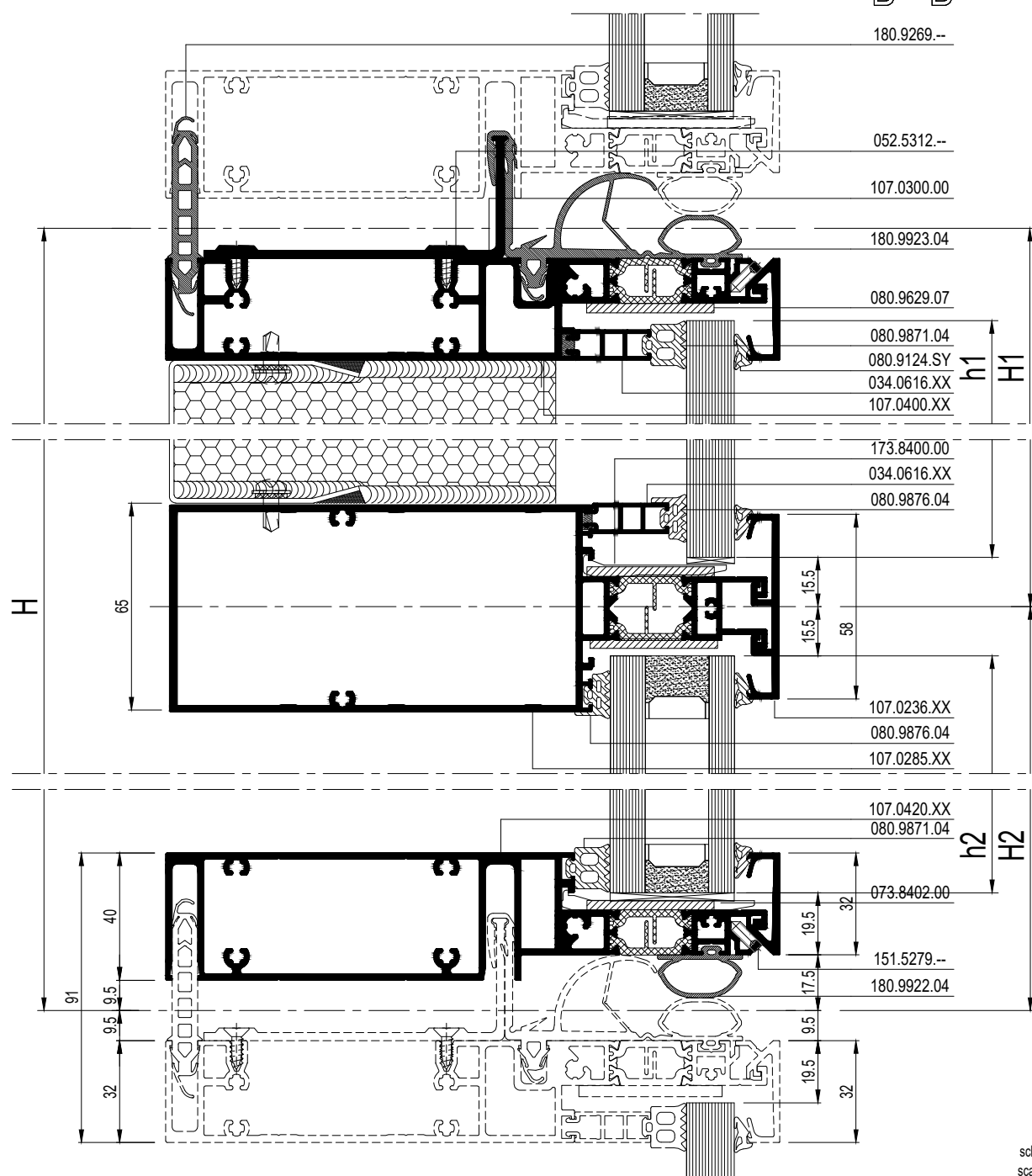
				#	
b1 = B1 - 40.5	107.0400.XX			1	B - 40
b2 = B2 - 40.5	107.0420.XX			1	B - 40
h1 = H1 - 44.5	107.0210.XX			2	H - 19
h2 = H2 - 52.5	107.0300.00			1	B - 11
	107.0285.XX			1	B1 - 35
				1	B2 - 35
	107.0280.XX			1	H - 56
	107.0225.XX			2	H - 27
				2	B - 11
	107.0236.XX			1	B1 - 68
				1	B2 - 68
				1	H - 93
	034.0616.XX			1	B1 - 70
				1	B2 - 70
				1	B1 - 50
				1	B2 - 50
				4	H1 - 64

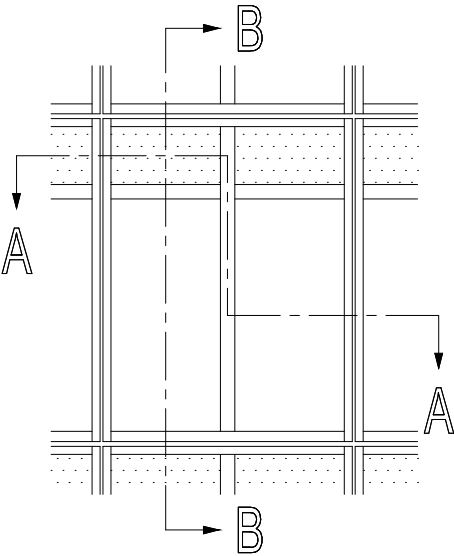


schaal - échelle
scale - Maßstab
1/2

		#			#			#
052.5312.--		2/500 mm	180.9921.04		2xH	080.9863.04		2
052.5355.--		8	180.9922.04		1xB	180.9920.04		1
152.5201.--		6	180.9923.04		1xB	180.9404.04		2
152.5301.--		20	180.9264.04		2xH	180.9405.04		4
152.5381.--		4	180.9269.04		1xB	162.9409.04		1
052.5308.--		8	080.9871.04		(2xh)+(2xb)	162.9411.04		1
052.6330.--		8	080.9876.04		(2xh)+(2xb1)+(2xb2)	169.8400.04		1
151.5279.--		8	080.9124.SY		(4xh)+(4xb)	173.7510.00		2
073.8402.00		4	180.9865.04		4	162.5000.04		F. ...
173.8400.00		4	180.9873.04		4	OPTIE / OPTION / OPTION / OPTION (**)		
						080.9629.07		4xB + 4xH

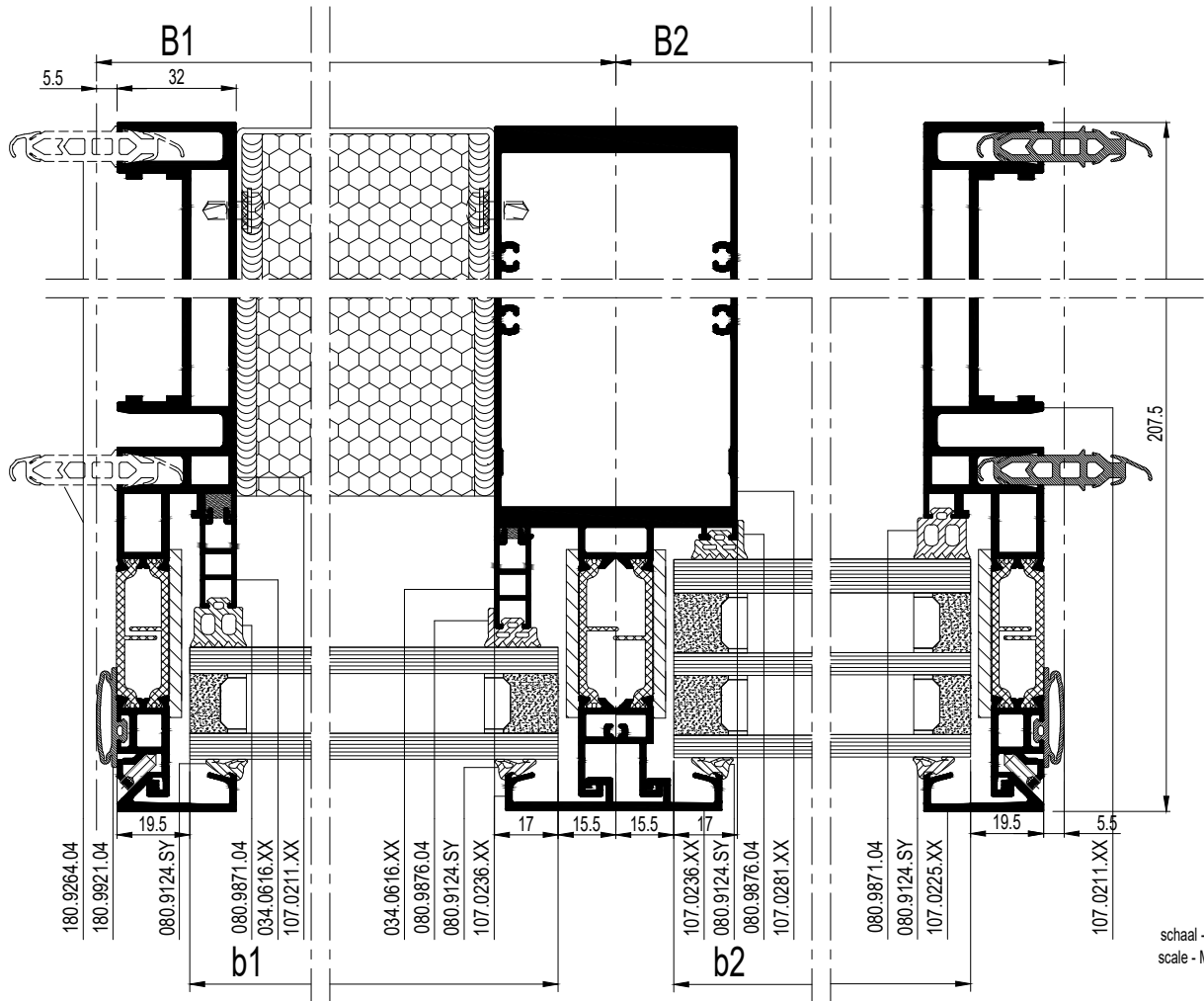
B - B





A - A

				#	Lm
b1 = B1 - 40.5	107.0401.XX			1	B - 40
b2 = B2 - 40.5	107.0421.XX			1	B - 40
h1 = H1 - 44.5	107.0211.XX			2	H - 19
h2 = H2 - 52.5	107.0300.00			1	B - 11
	107.0286.XX			1	B1 - 35
	107.0281.XX			1	B2 - 35
	107.0281.XX			1	H - 56
	107.0225.XX			2	H - 27
	107.0225.XX			2	B - 11
	107.0236.XX			1	B1 - 68
	107.0236.XX			1	B2 - 68
	107.0236.XX			1	H - 93
	034.0616.XX			1	B1 - 70
	034.0616.XX			1	B2 - 70
	034.0616.XX			1	B1 - 50
	034.0616.XX			1	B2 - 50
	034.0616.XX			4	H1 - 64



schaal - échelle
scale - Maßstab
1/2

		#			#			#
052.5312.--		2/500 mm	180.9921.04		2xH	180.9865.04		4
052.5355.--		8	180.9922.04		1xB	180.9873.04		4
152.5201.--		6	180.9924.04		1xB	180.9920.04		1
152.5301.--		20	180.9264.04		2xH	180.9405.04		4
152.5381.--		4	180.9269.04		1xB	162.9409.04		1
052.5308.--		8	080.9871.04		(2xh)+(2xb)	162.9411.04		1
052.6330.--		8	080.9876.04		(2xh)+(2xb1)+(2xb2)	169.8403.04		1
151.5279.--		8	080.9124.SY		(4xh)+(4xb)	162.5000.04		F. ...
173.8402.00		8	180.9404.04		2	OPTIE / OPTION / OPTION / OPTION (**)		
173.7510.00		2	080.9863.04		2	180.9629.07		4xB + 4xH

B - B

180.9269.04

052.5312.--
107.0300.00

180.9924.04

034.0616.XX

180.9629.07

107.0225.XX

080.9124.SY

104.0401.XX

080.9871.04

173.8402.00

034.0616.XX

080.9876.04

080.9876.04

107.0286.XX

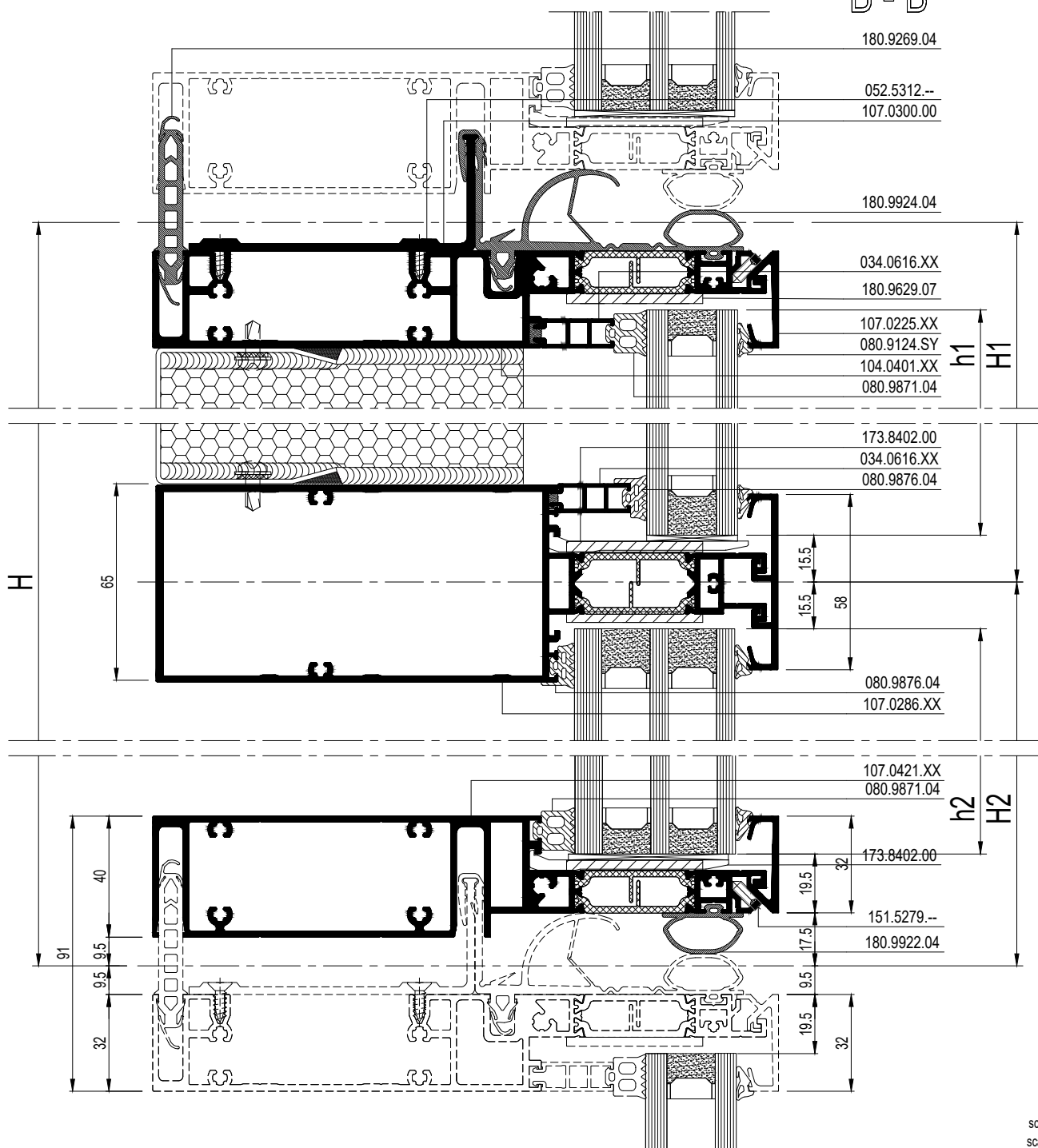
107.0421.XX

080.9871.04

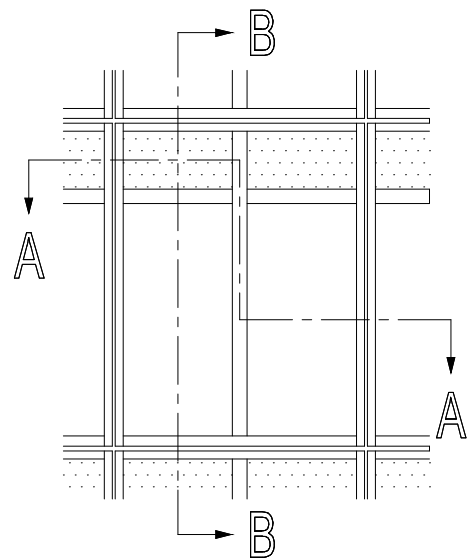
173.8402.00

151.5279.--

180.9922.04

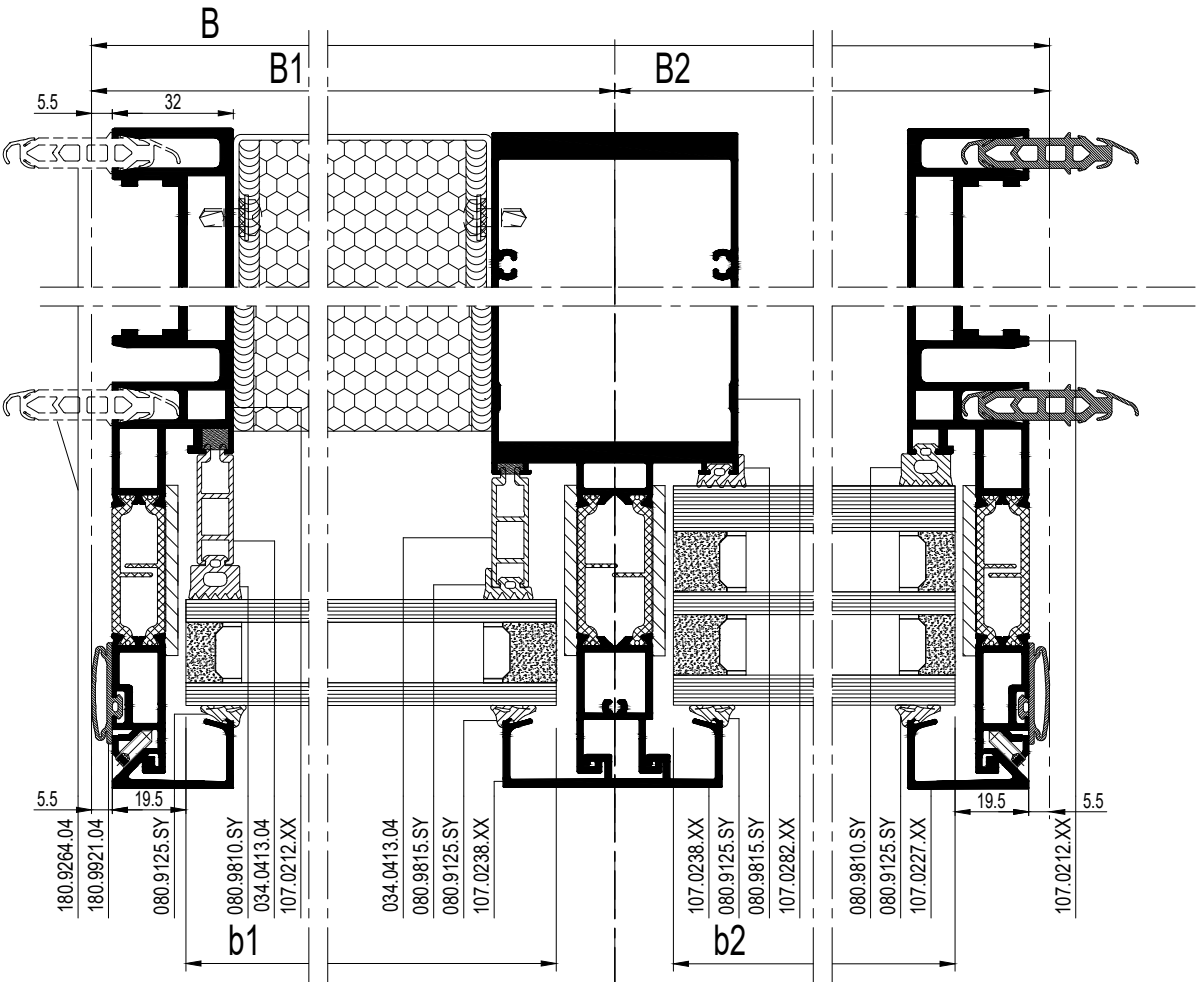


schaal - échelle
 scale - Maßstab
 1/2



A - A

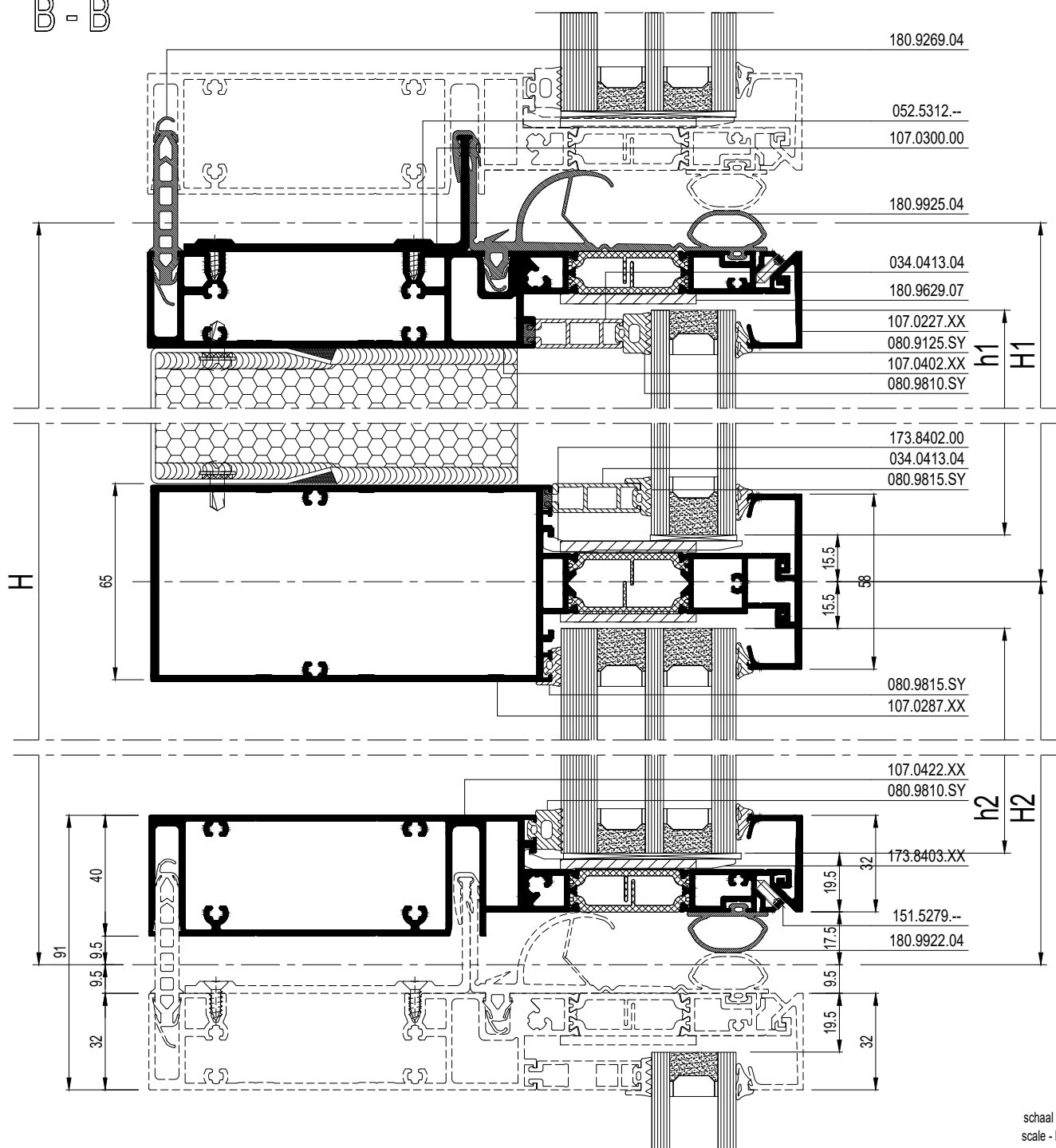
			#	Lm	
b1 = B1 - 40.5	107.0402.XX		1	B - 40	
b2 = B2 - 40.5	107.0422.XX		1	B - 40	
h1 = H1 - 44.5	107.0212.XX		2	H - 19	
h2 = H2 - 52.5	107.0300.00		1	B - 11	
	107.0287.XX		1	B1 - 35	
	107.0282.XX		1	B2 - 35	
	107.0227.XX		2	H - 56	
	107.0227.XX		2	H - 27	
	107.0238.XX		1	B - 11	
	107.0238.XX		1	B1 - 68	
	107.0238.XX		1	B2 - 68	
	107.0238.XX		1	H - 93	
	034.0413.04		1	B1 - 70	
	034.0413.04		1	B2 - 70	
	034.0413.04		1	B1 - 50	
	034.0413.04		1	B2 - 50	
	034.0413.04		4	H1 - 64	



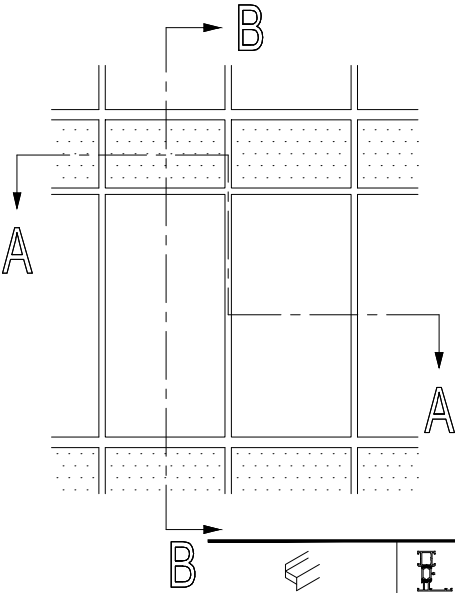
schaal - échelle
scale - Maßstab
1/2

		#			#			#
052.5312.--		2/500 mm	180.9921.04		2xH	080.9864.04		2
052.5355.--		8	180.9922.04		1xB	180.9863.04		4
152.5201.--		6	180.9925.04		1xB	080.9872.04		2
152.5301.--		20	180.9264.04		2xH	180.9920.04		1
152.5381.--		4	180.9269.04		1xB	162.9409.04		1
052.5308.--		8	080.9815.SY		(2xh)+(2xb)	162.9411.04		1
052.6330.--		8	080.9810.SY		(2xh)+(2xb1)+(2xb2)	169.8406.04		1
151.5279.--		8	080.9125.SY		(4xh)+(4xb)	173.7510.00		2
173.8402.00		4	180.9404.04		2	162.5000.04		F. ...
173.8403.XX		4	180.9405.04		4	OPTIE / OPTION / OPTION / OPTION (**)		
						180.9629.07		4xB + 4xH

B - B



schaal - échelle
 scale - Maßstab
 1/2



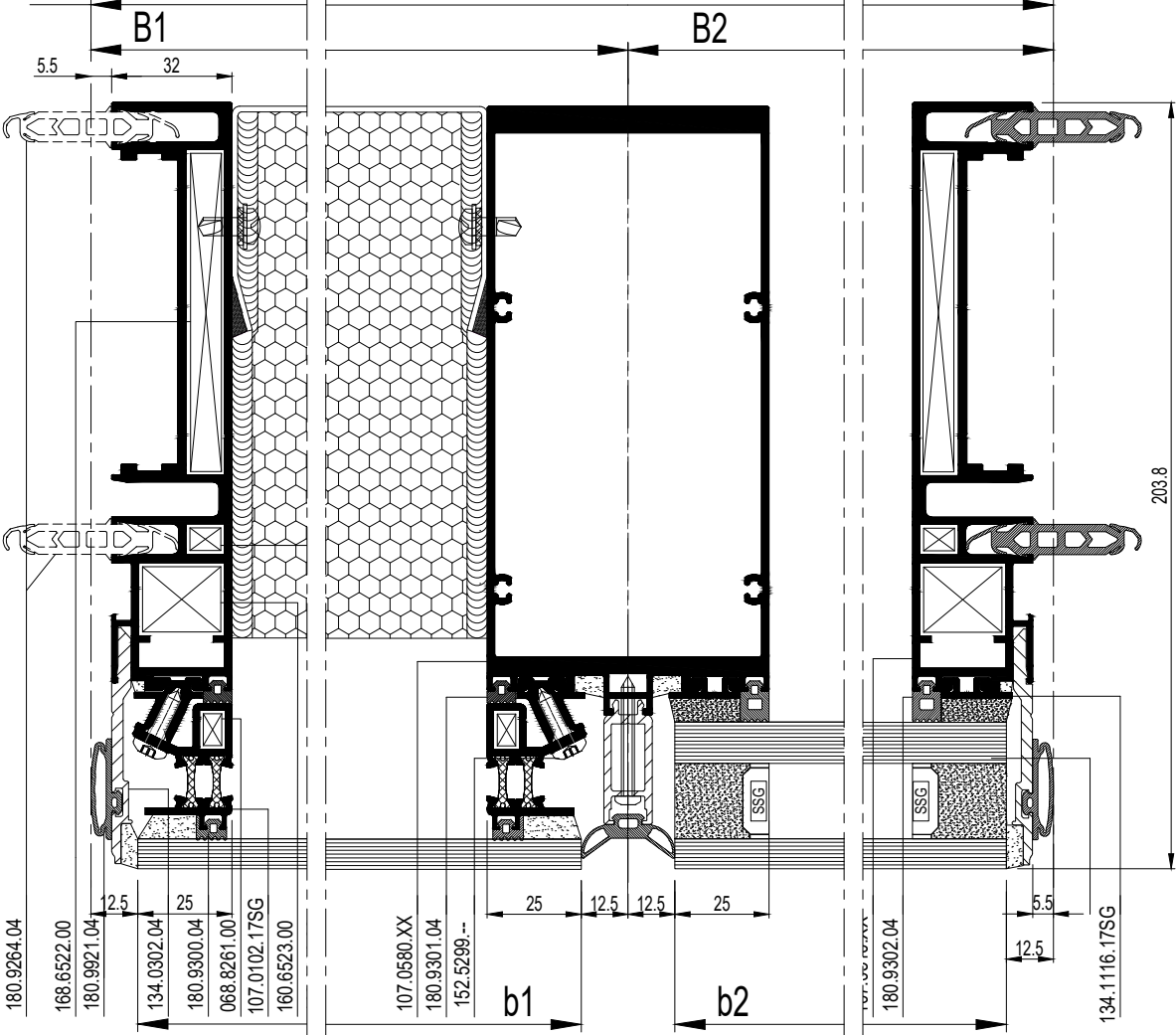
A - A

B

			#	Lm
134.1117.00			2	H2 - 53.2
			2	H2 - 79.6
			1	B1 - 76
			1	B2 - 76
			1	B1 - 49.6
			1	B2 - 49.6
134.0302.04			2	B - 11
			2	H - 27

b1 = B1 - 25
b2 = B2 - 25
h1 = H1 - 29
h2 = H2 - 37

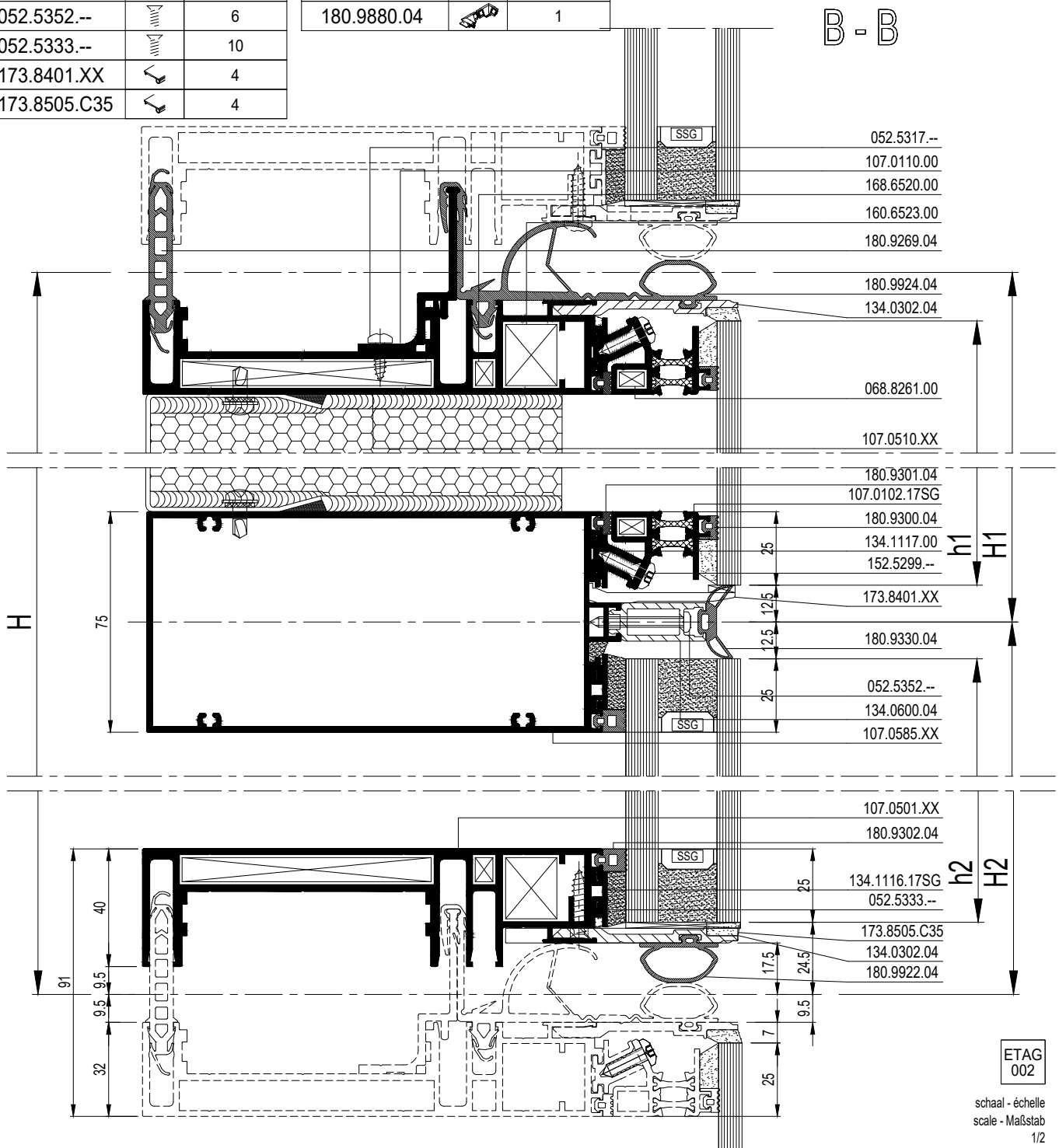
			#	Lm
107.0510.XX			1	B - 11
			2	H - 27
107.0501.XX			1	B + 5 B - 11
107.0110.00			1	B - 11
107.0580.XX			1	H - 92
107.0585.XX			1	B1 - 76
			1	B2 - 76
134.1116.17SG			2	H2 - 34
			2	H2 - 53.5
			1	B1 - 61
			1	B2 - 61
			1	B1 - 22
			1	B2 - 22
107.0102.17SG			4	H1 - 26.5
			2	B1 - 22.5
			2	B2 - 22.5
134.0600.04			1	H - 38
			1	B1 - 18.5
			1	B2 - 18.5

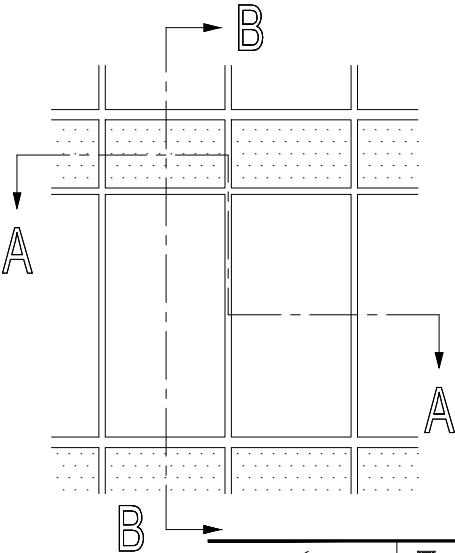


ETAG
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schaal - échelle
scale - Maßstab
1/2

		#			#			#
068.8261.00		8	052.5343.--		8	162.9412.04		6
160.6523.00		4	180.9921.04		2xH	173.7510.00		3
168.6520.00		4	180.9922.04		1xB			
168.6522.00		4	180.9924.04		1xB			
052.5317.--		1/500 mm	180.9264.04		2xH			
152.5301.--		16	180.9269.04		1xB			
052.5330.--		12	180.9300.04		2x(b1+b2)+4xh1			
052.5336.--		6	180.9301.04		2x(b1+b2)+4xh1			
052.5308.--		16	180.9302.04		2x(b1+b2)+4xh2			
152.5310.--		16	180.9330.04		b1 + b2 + h2			
152.5299.--		1/300 mm	180.9920.04		1			
052.5352.--		6	180.9880.04		1			
052.5333.--		10						
173.8401.XX		4						
173.8505.C35		4						

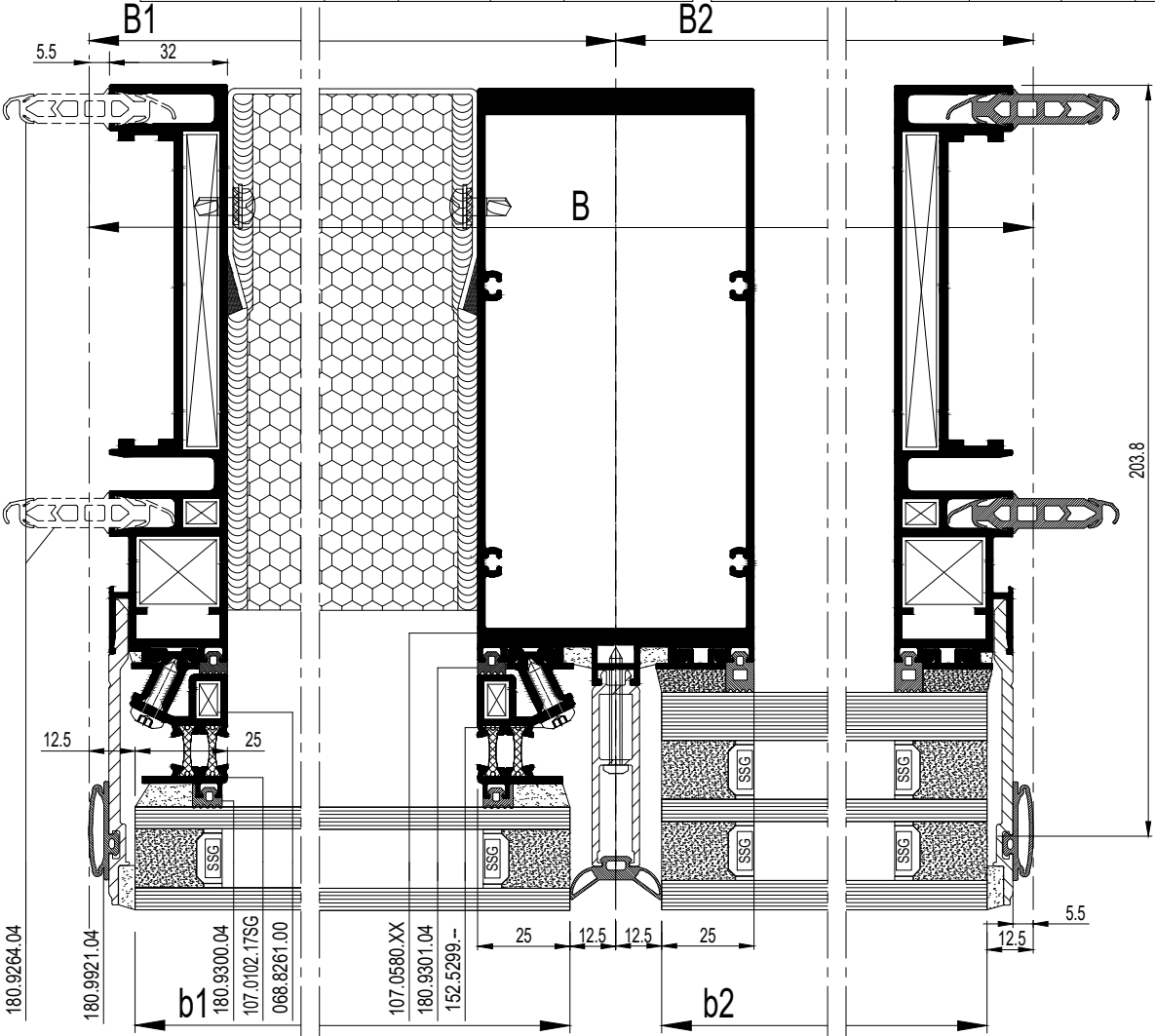




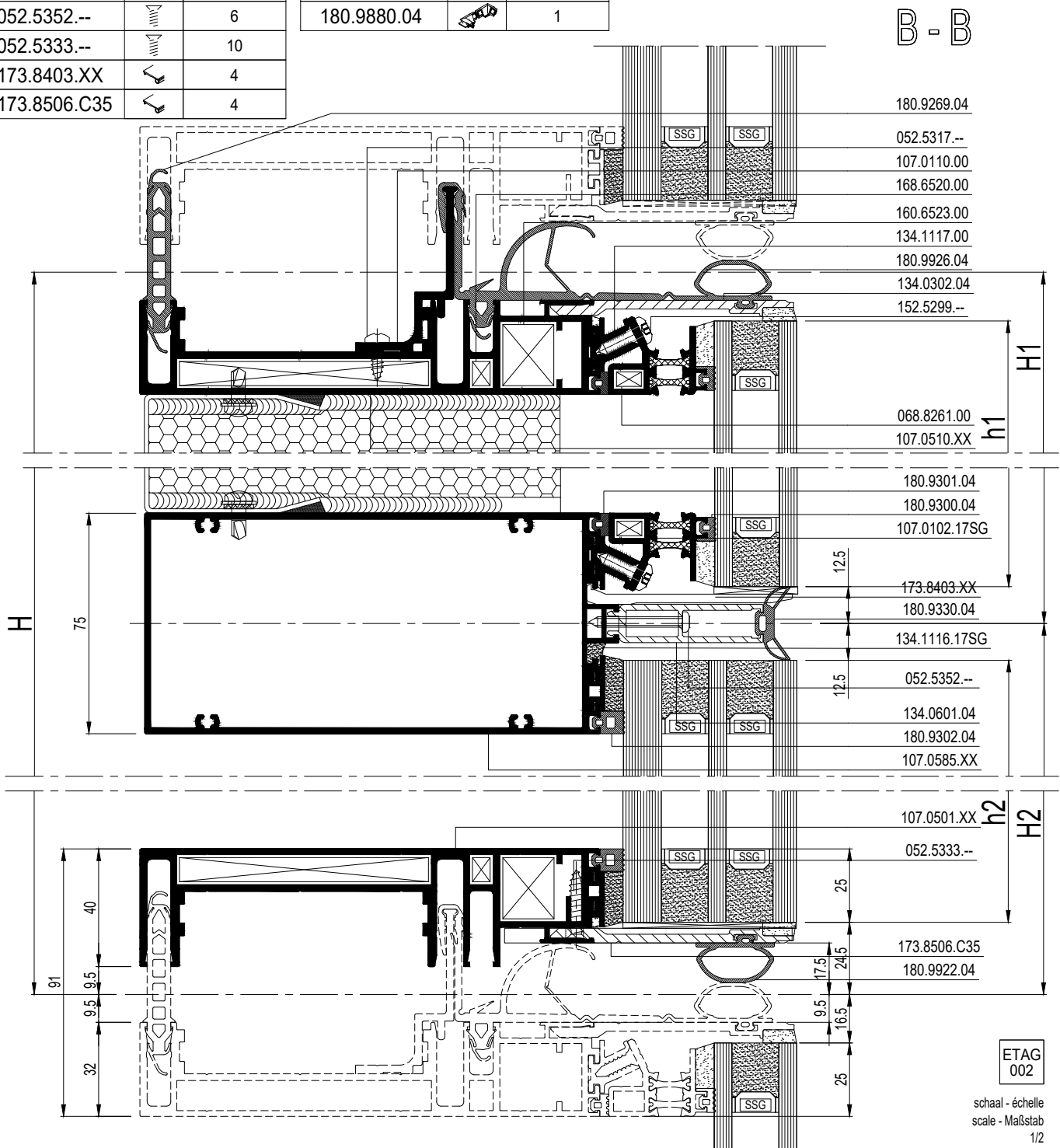
b1 = B1 - 25
b2 = B2 - 25
h1 = H1 - 29
h2 = H2 - 37

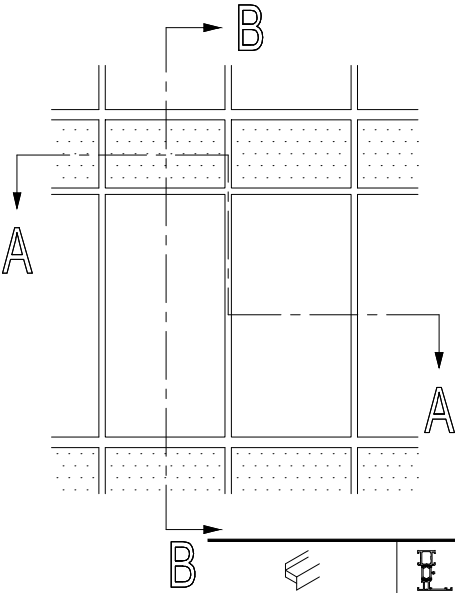
			#	Lm
107.0501.XX			1	B + 5 B - 11
107.0510.XX			1	B - 11
107.0110.00			2	H - 27
107.0580.XX			1	B - 11
107.0585.XX			1	H - 92
134.1116.17SG			1	B1 - 76
			1	B2 - 76
			2	H2 - 34
			2	H2 - 53.5
			1	B1 - 61
			1	B2 - 61
			1	B1 - 22
			1	B2 - 22
107.0102.17SG			4	H1 - 26.5
			2	B1 - 22.5
			2	B2 - 22.5
134.0601.04			1	H - 38
			1	B1 - 18.5
			1	B2 - 18.5

			#	Lm
134.1117.00			2	H2 - 53.2
			2	H2 - 79.6
			1	B1 - 76
			1	B2 - 76
			1	B1 - 49.6
			1	B2 - 49.6
134.0304.04			2	B - 11
			2	H - 27



		#			#			#
068.8261.00		8	052.5343.--		16	162.9412.04		6
160.6523.00		4	180.9921.04		2xH	173.7510.00		3
168.6520.00		4	180.9922.04		1xB			
168.6522.00		4	180.9926.04		1xB			
052.5317.--		1/500 mm	180.9264.04		2xH			
152.5301.--		16	180.9269.04		1xB			
052.5330.--		12	180.9300.04		2x(b1+b2)+4xh1			
052.5336.--		6	180.9301.04		2x(b1+b2)+4xh1			
052.5308.--		16	180.9302.04		2x(b1+b2)+4xh2			
152.5310.--		16	180.9330.04		b1 + b2 + h2			
152.5299.--		1/300 mm	180.9920.04		1			
052.5352.--		6	180.9880.04		1			
052.5333.--		10						
173.8403.XX		4						
173.8506.C35		4						

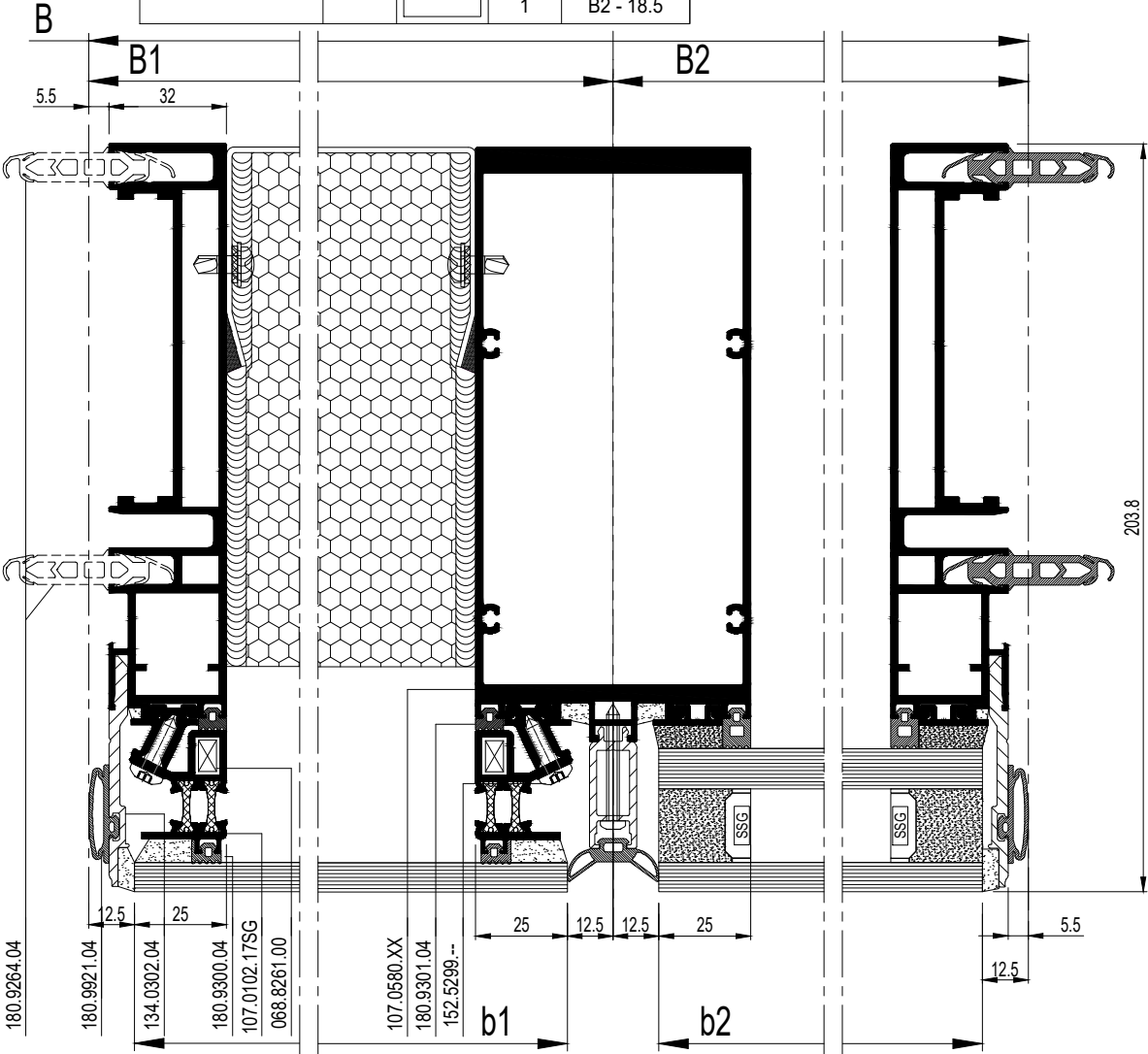




b1 = B1 - 25
b2 = B2 - 25
h1 = H1 - 29
h2 = H2 - 37

			#	Lm
107.0520.XX			1	B - 76
107.0521.XX			1	B - 76
107.0510.XX			2	H - 19
107.0300.00			1	B - 11
107.0580.XX			1	H - 92
107.0585.XX			1	B1 - 76
			1	B2 - 76
134.1116.17SG			2	H2 - 34
			2	H2 - 53.5
			1	B1 - 61
			1	B2 - 61
			1	B1 - 41.5
			1	B2 - 41.5
107.0102.17SG			4	H1 - 26.5
			2	B1 - 22.5
			2	B2 - 22.5

			#	Lm
134.1117.00			4	H1 - 63.2
			2	B1 - 76
			2	B2 - 76
134.0302.04			2	B - 11
			2	H - 27
134.0600.04			1	H - 38
			1	B1 - 18.5
			1	B2 - 18.5

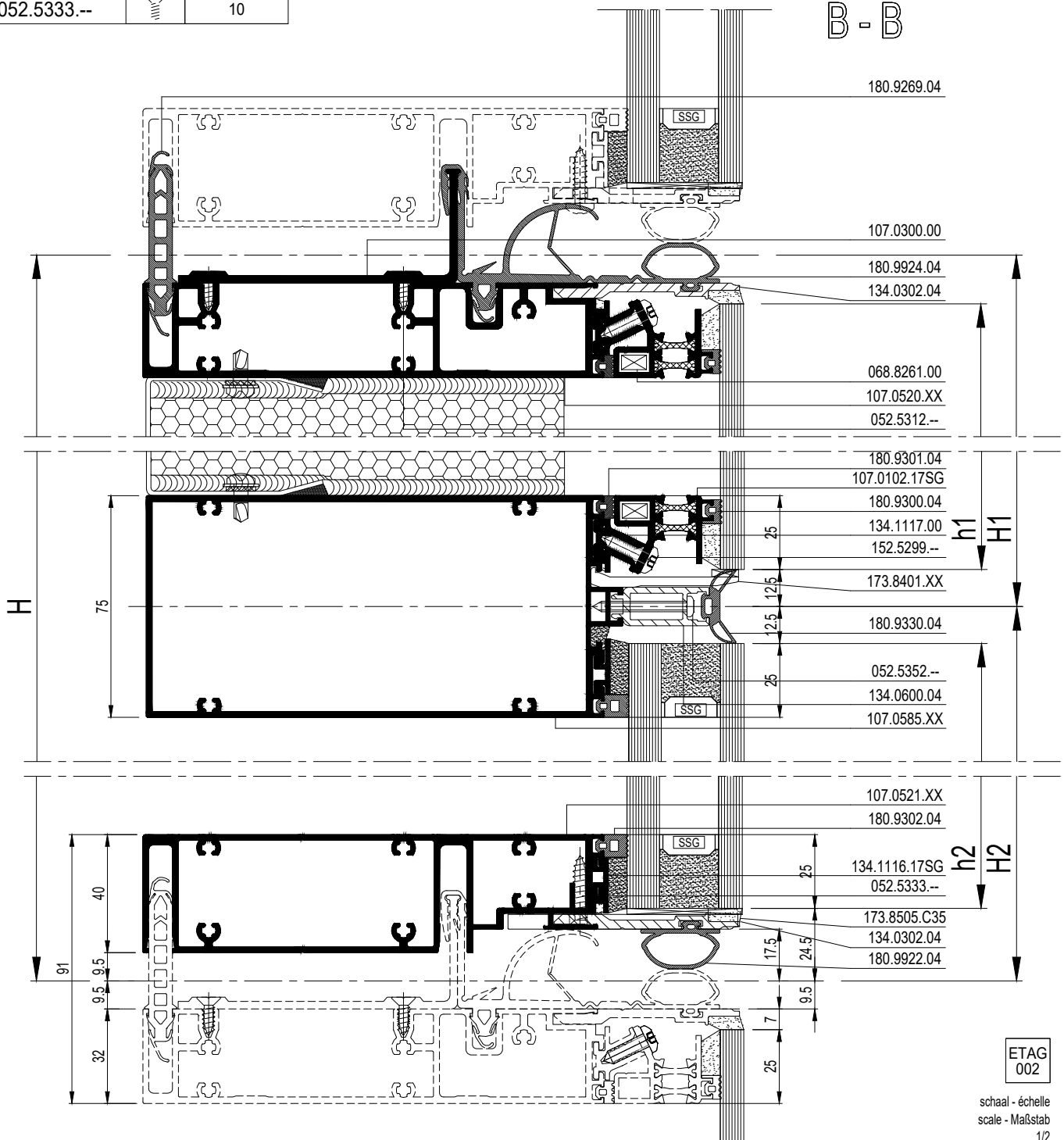


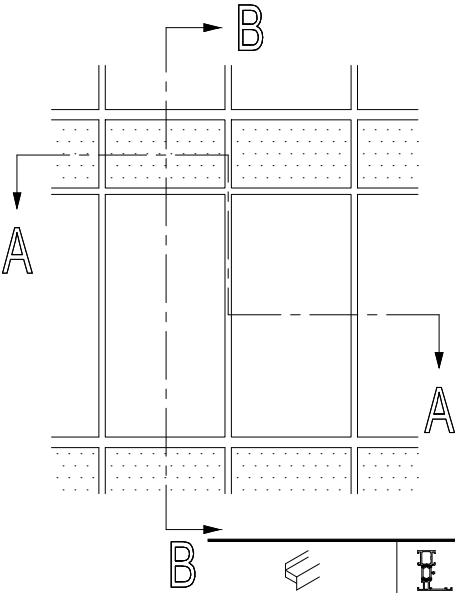
ETAG
002

schaal - échelle
scale - Maßstab
1/2

		#			#			#
068.8261.00		8	180.9921.04		2xH	169.8410.04		1
052.5312.--		2/500 mm	180.9922.04		1xB	162.9412.04		6
152.5301.--		38	180.9924.04		1xB	162.9408.04		1
052.5330.--		12	180.9264.04		2xH	162.9410.04		1
052.5336.--		6	180.9269.04		1xB	173.7510.00		3
052.5308.--		16	180.9300.04		2x(b1+b2)+4xh1			
152.5310.--		16	180.9301.04		2x(b1+b2)+4xh1			
152.5299.--		1/300 mm	180.9302.04		2x(b1+b2)+4xh2			
052.5352.--		6	180.9330.04		b1 + b2 + h2			
173.8401.XX		4	180.9920.04		1			
173.8505.C35		4	180.9880.04		2			
052.5333.--		10						

B - B

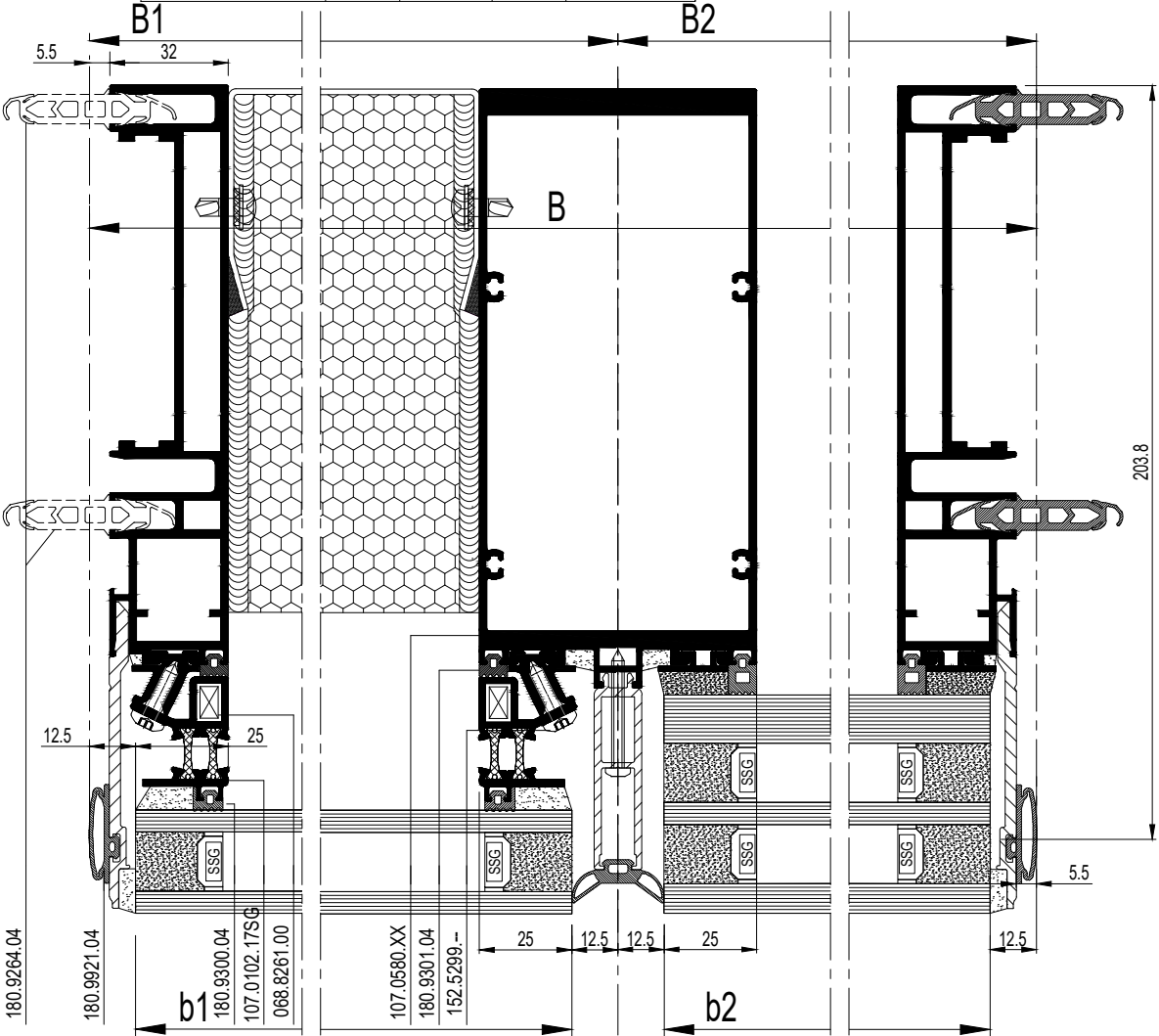




A - A

b1 = B1 - 25
b2 = B2 - 25
h1 = H1 - 29
h2 = H2 - 37

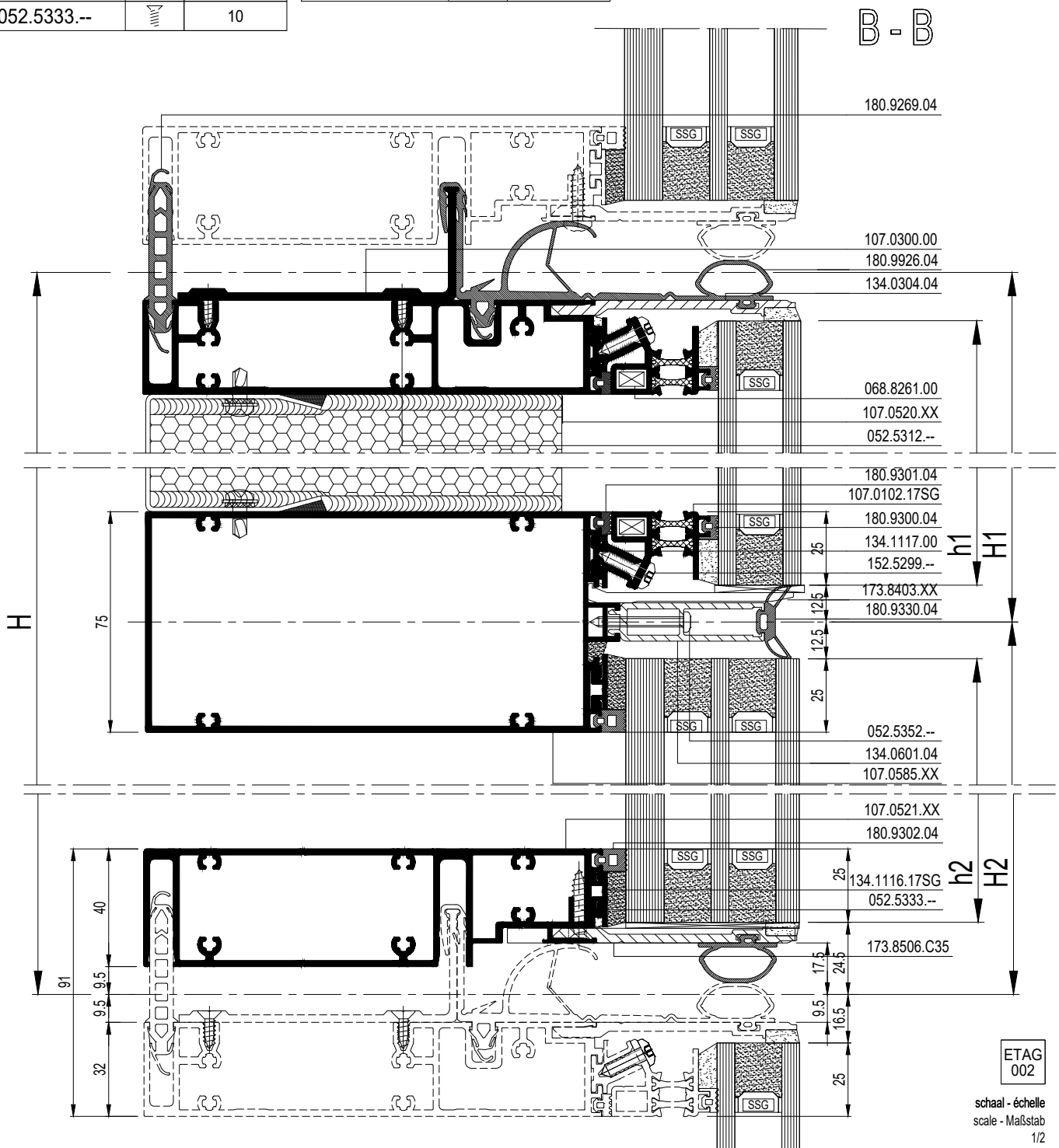
			#	Lm
107.0520.XX			1	B - 76
107.0521.XX			1	B - 76
107.0510.XX			2	H - 19
107.0300.00			1	B - 11
107.0580.XX			1	H - 92
107.0585.XX			1	B1 - 76
			1	B2 - 76
134.1116.17SG			2	H2 - 34
			2	H2 - 53.5
			1	B1 - 61
			1	B2 - 61
			1	B1 - 41.5
			1	B2 - 41.5
107.0102.17SG			4	H1 - 26.5
			2	B1 - 22.5
			2	B2 - 22.5



ETAG
002

schaal - échelle
scale - Maßstab
1/2

		#			#			#
068.8261.00		8	180.9921.04		2xH	169.8410.04		1
052.5312.--		2/500 mm	180.9922.04		1xB	162.9412.04		6
152.5301.--		38	180.9926.04		1xB	162.9408.04		1
052.5330.--		12	180.9264.04		2xH	162.9410.04		1
052.5336.--		6	180.9269.04		1xB	173.7510.00		3
052.5308.--		16	180.9300.04		2x(b1+b2)+4xh1			
152.5310.--		16	180.9301.04		2x(b1+b2)+4xh1			
152.5299.--		1/300 mm	180.9302.04		2x(b1+b2)+4xh2			
052.5352.--		6	180.9330.04		b1 + b2 + h2			
173.8401.XX		4	180.9920.04		1			
173.8506.C35		4	180.9880.04		2			
052.5333.--		10						



F

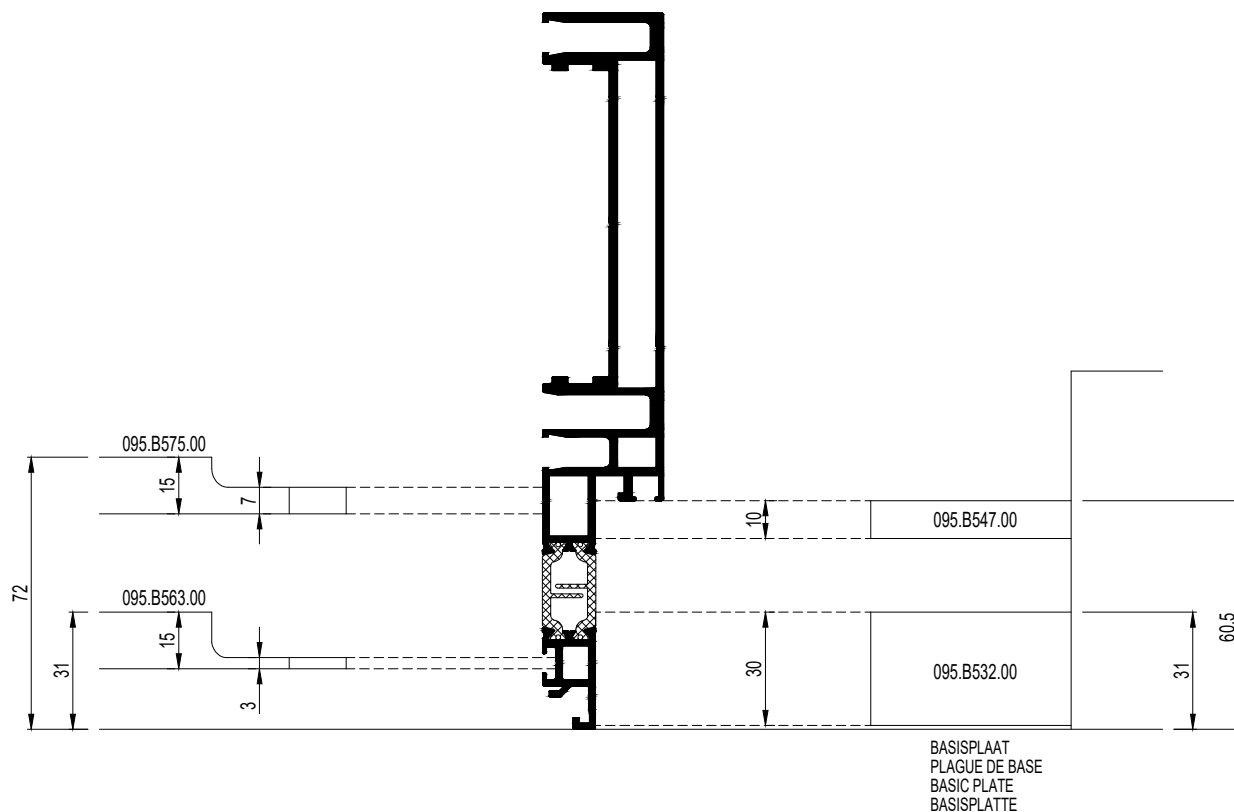


Reynaers
Aluminium

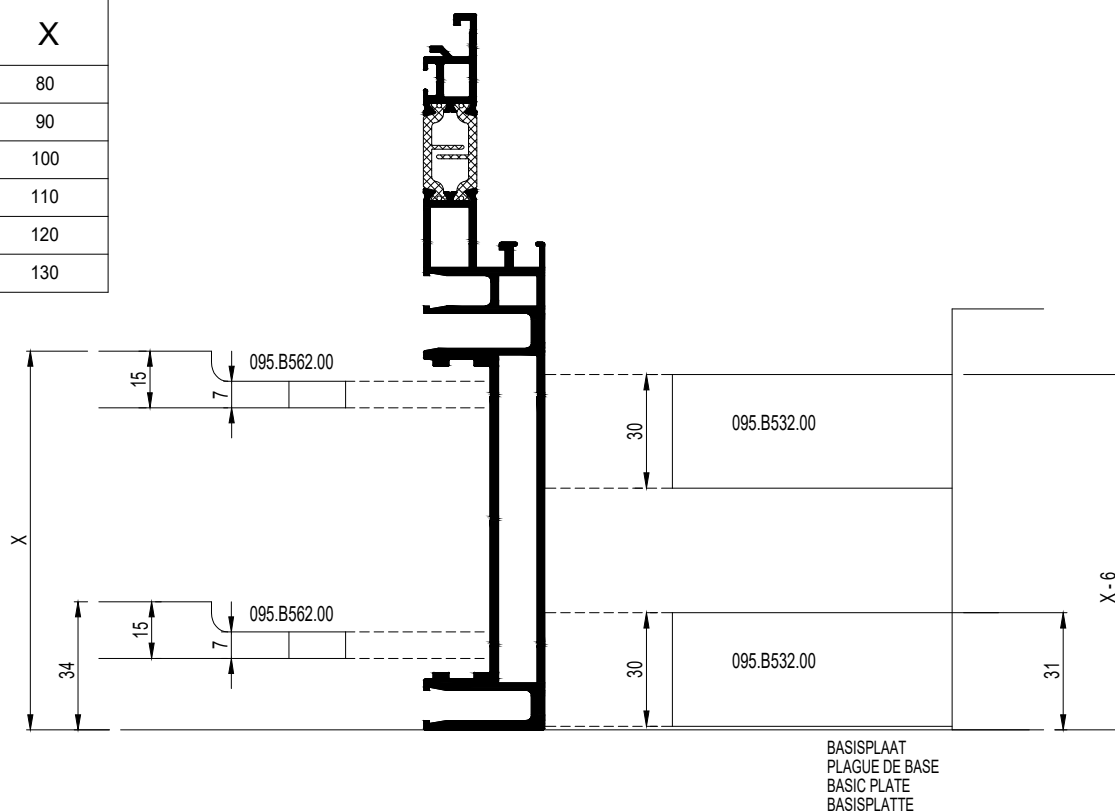
Montagetekeningen
Fabrication et montage
Assembly drawings
Montagezeichnungen



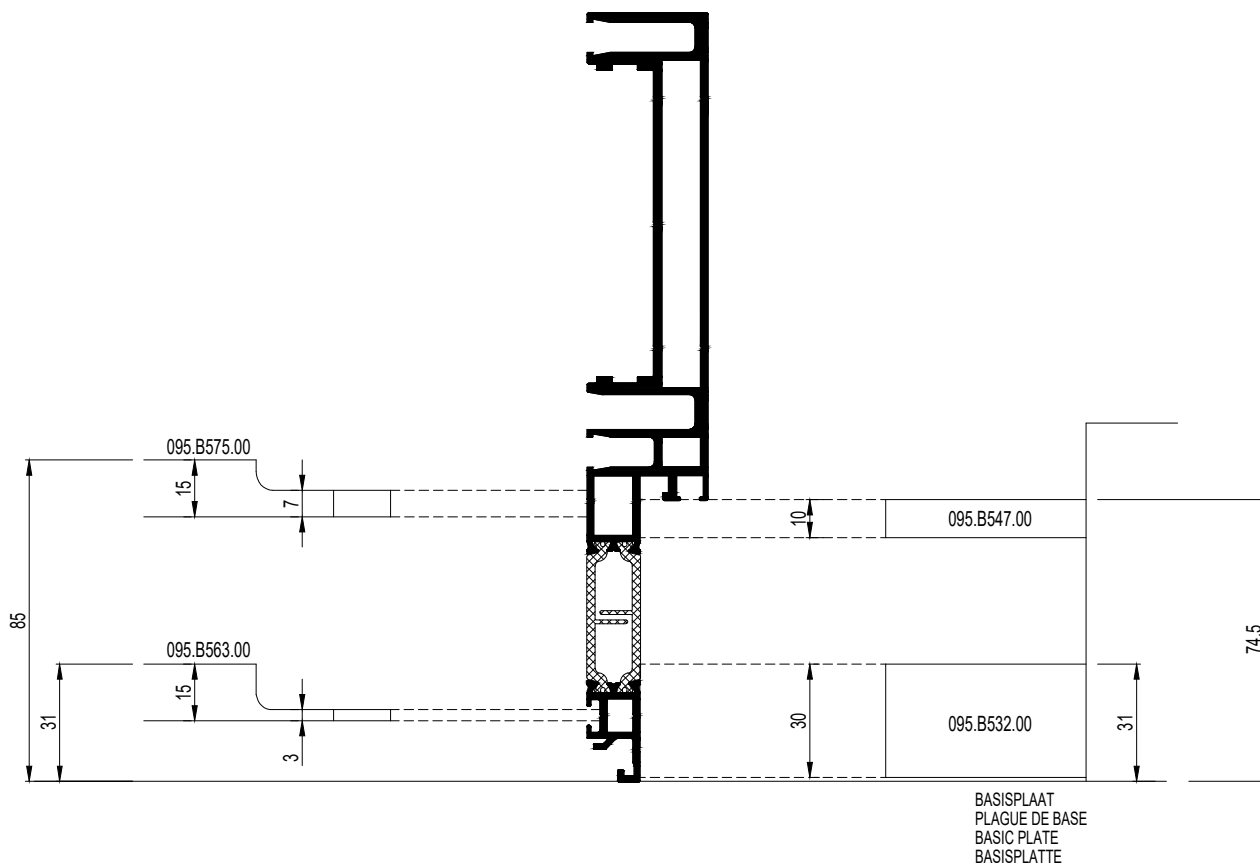
BIJKOMENDE INFO VOORBEREIDING/VERWERKING -> RAADPLEEG HOOFDSTUK B !
 INFO COMPLEMENTAIRE PREPARATION/USINAGE -> CONSULTEZ CHAPITRE B !
 ADDITIONAL INFO PREPARATION/PROCESSING -> CONSULT CHAPTER B !
 ZUSÄTZLICHE INFO VORBEREITUNG/VERARBEITUNG -> SIEHE KAPITEL B !



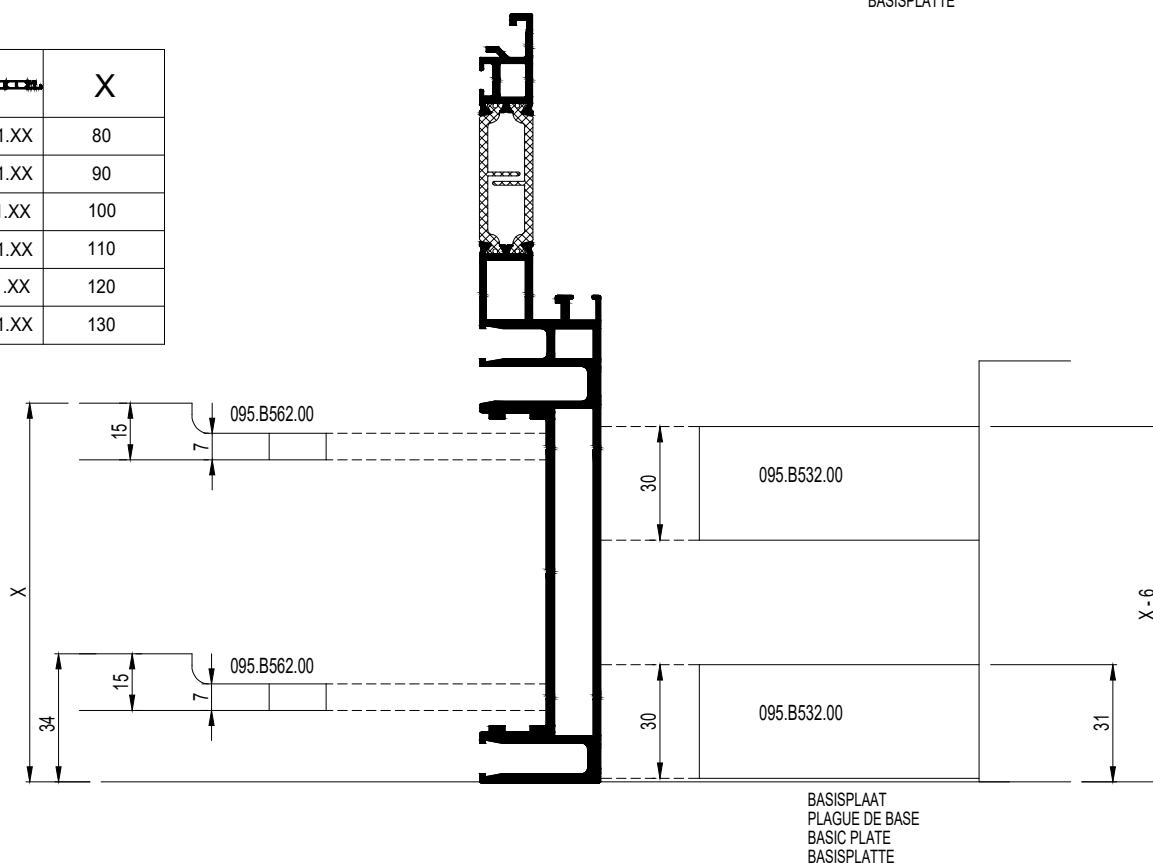
	X
C07.1210.XX	80
C07.2210.XX	90
107.0210.XX	100
C07.3210.XX	110
C07.4210.XX	120
C07.5210.XX	130



BIJKOMENDE INFO VOORBEREIDING/VERWERKING -> RAADPLEEG HOOFDSTUK B !
INFO COMPLEMENTAIRE PREPARATION/USINAGE -> CONSULTEZ CHAPITRE B !
ADDITIONAL INFO PREPARATION/PROCESSING -> CONSULT CHAPTER B !
ZUSÄTZLICHE INFO VORBEREITUNG/VERARBEITUNG -> SIEHE KAPITEL B !

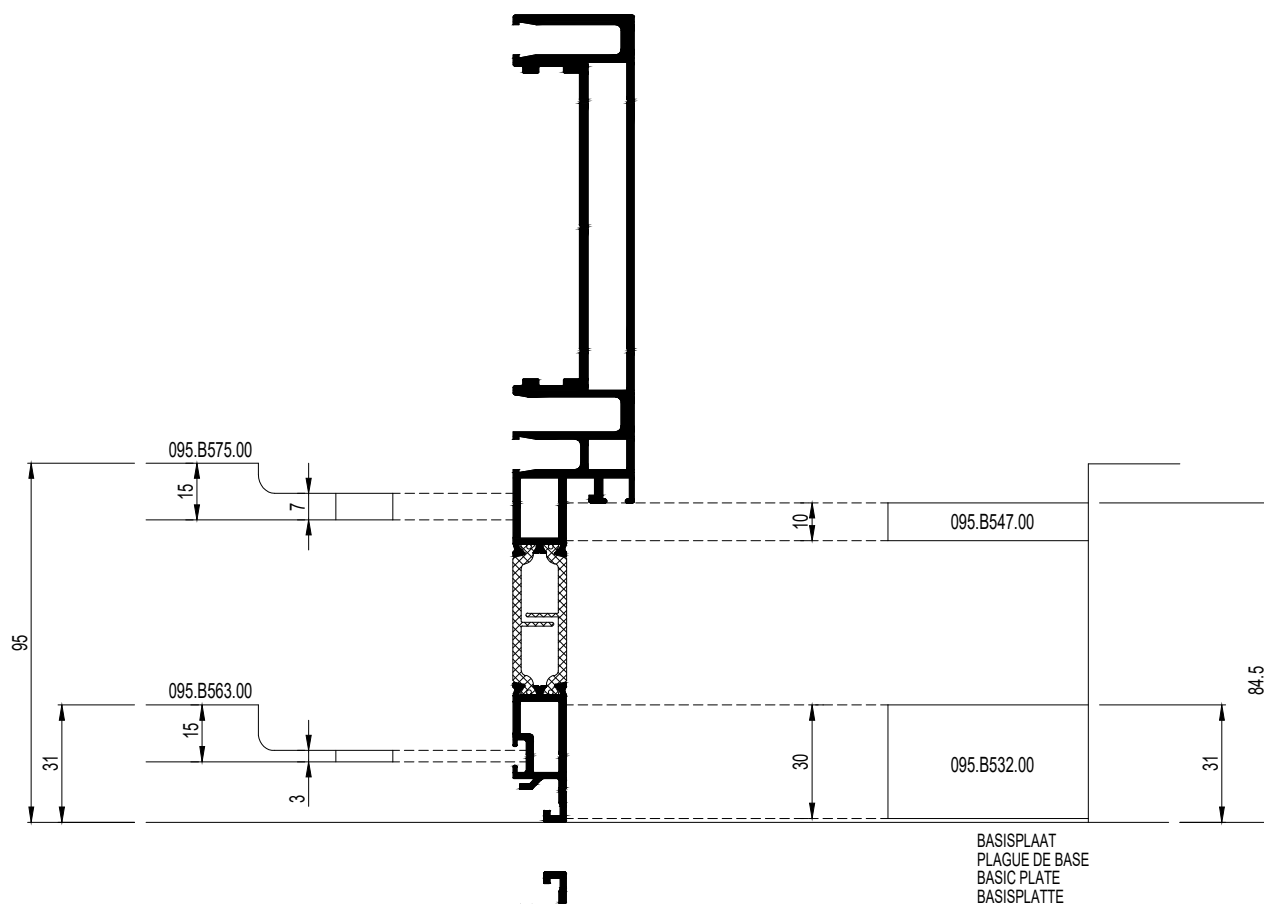


	X
C07.1211.XX	80
C07.2211.XX	90
107.0211.XX	100
C07.3211.XX	110
C074211.XX	120
C07.5211.XX	130

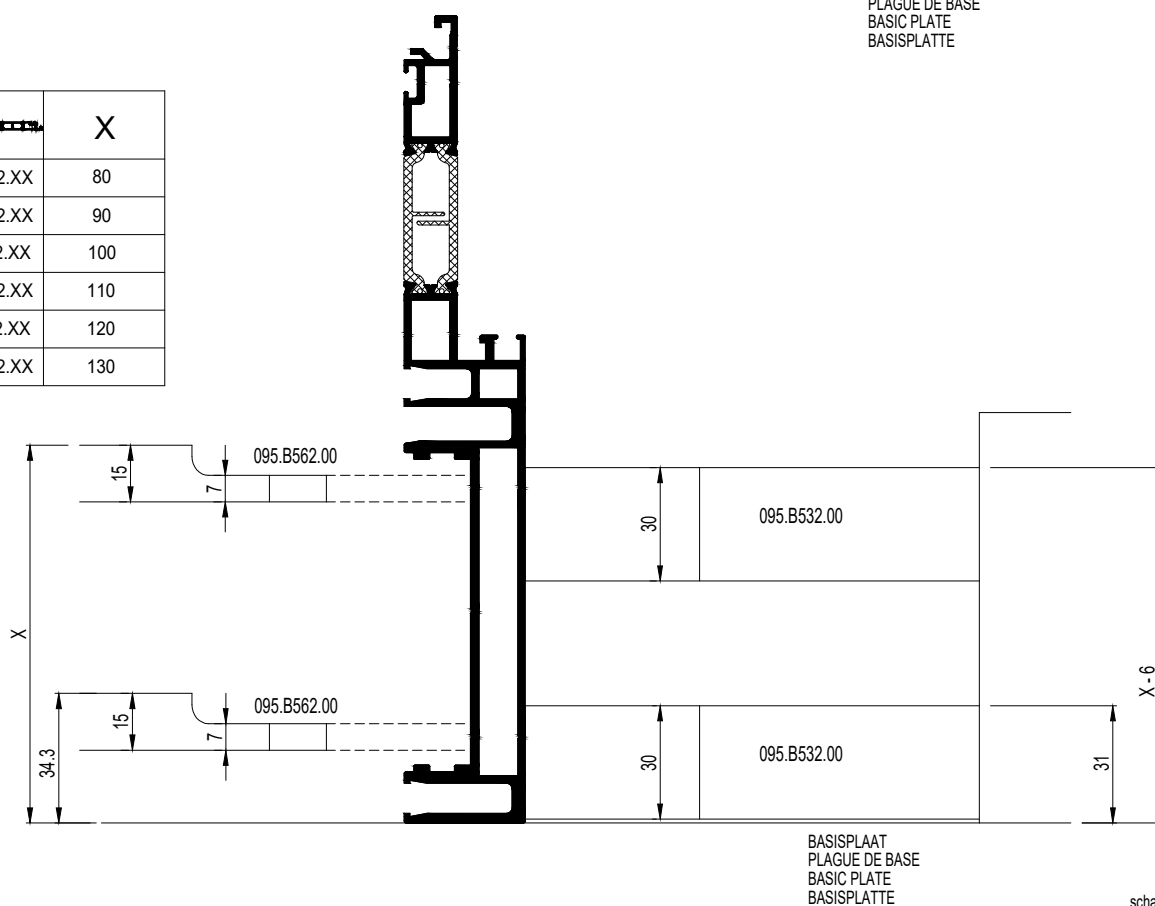




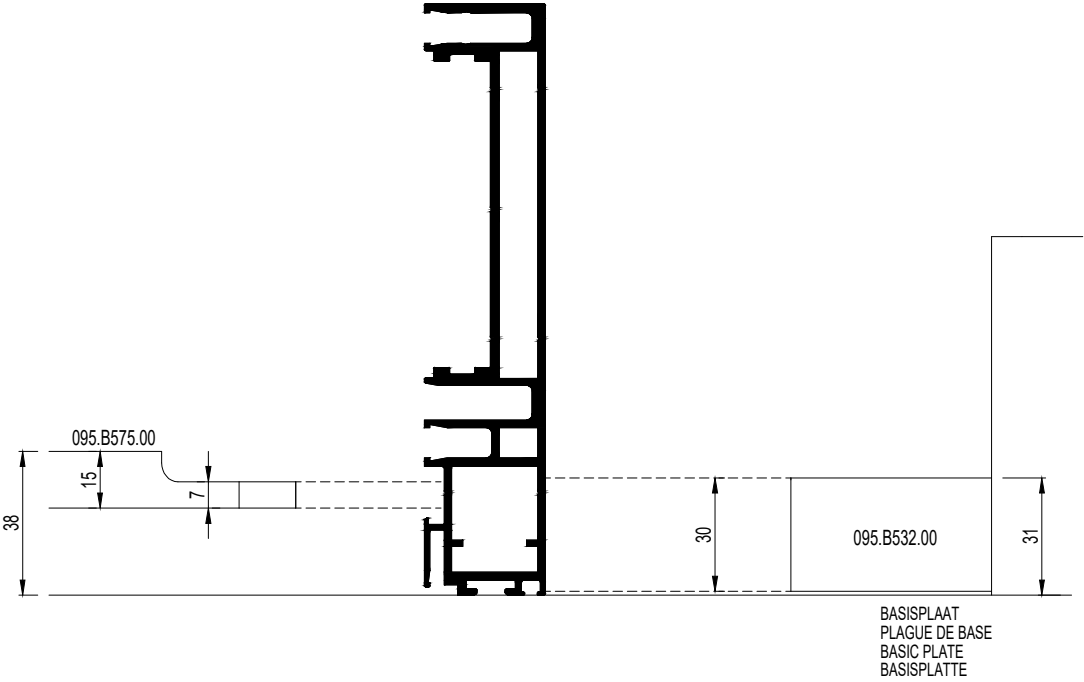
BIJKOMENDE INFO VOORBEREIDING/VERWERKING -> RAADPLEEG HOOFDSTUK B !
 INFO COMPLÉMENTAIRE PRÉPARATION/USINAGE -> CONSULTEZ CHAPITRE B !
 ADDITIONAL INFO PREPARATION/PROCESSING -> CONSULT CHAPTER B !
 ZUSÄTZLICHE INFO VORBEREITUNG/VERARBEITUNG -> SIEHE KAPITEL B !



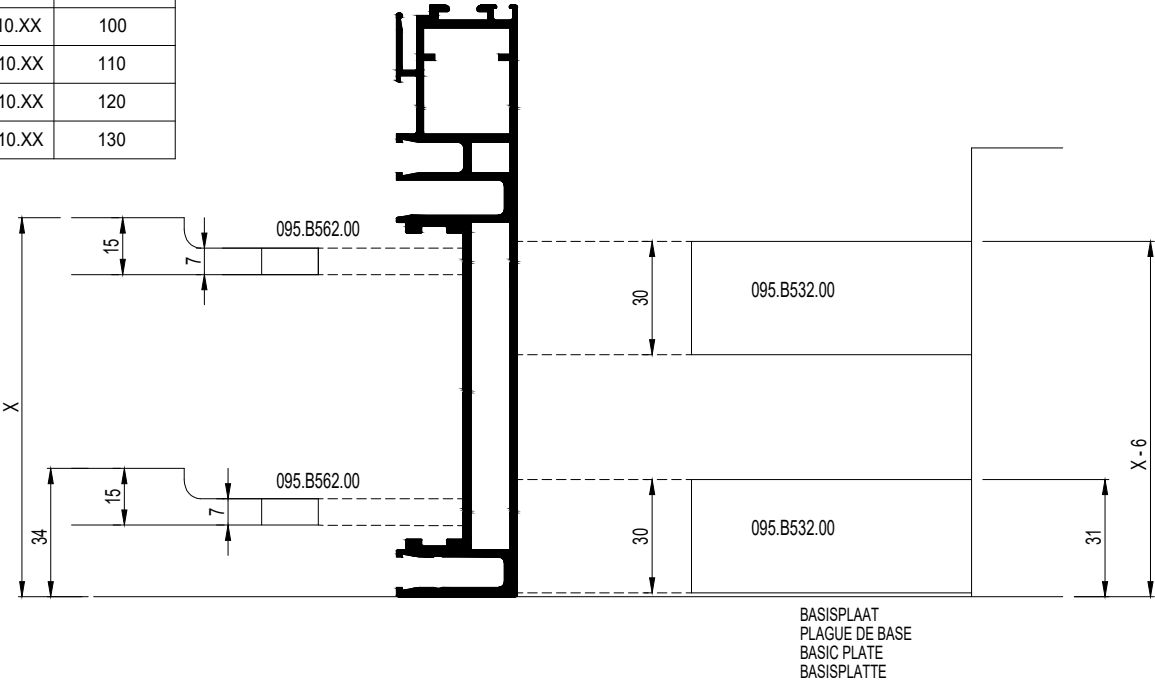
	X
C07.1212.XX	80
C07.2212.XX	90
107.0212.XX	100
C07.3212.XX	110
C074212.XX	120
C07.5212.XX	130



 BIJKOMENDE INFO VOORBEREIDING/VERWERKING -> RAADPLEEG HOOFDSTUK B !
INFO COMPLEMENTAIRE PREPARATION/USINAGE -> CONSULTEZ CHAPITRE B !
ADDITIONAL INFO PREPARATION/PROCESSING -> CONSULT CHAPTER B !
ZUSÄTZLICHE INFO VORBEREITUNG/VERARBEITUNG -> SIEHE KAPITEL B !

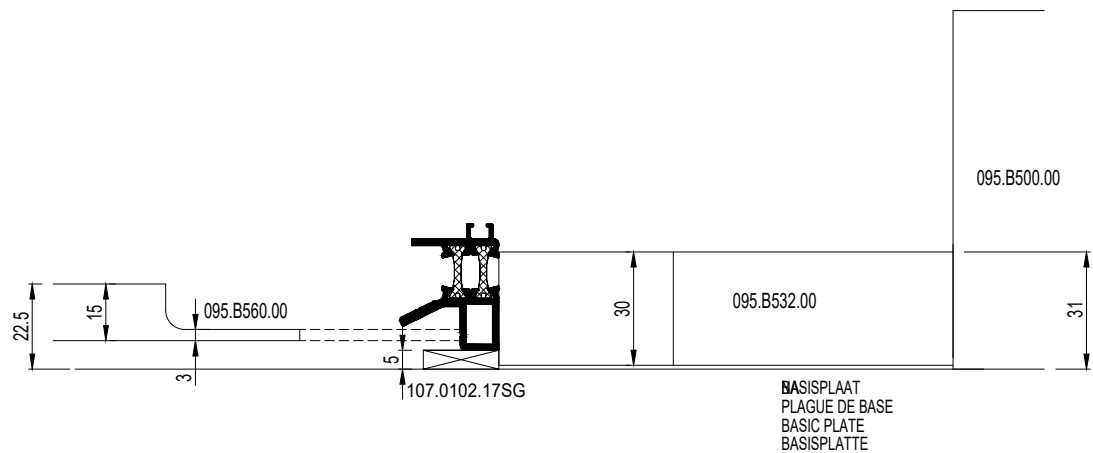


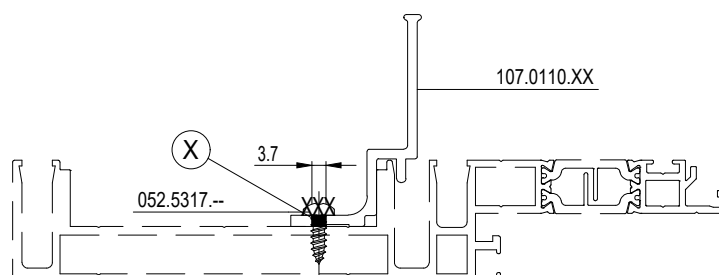
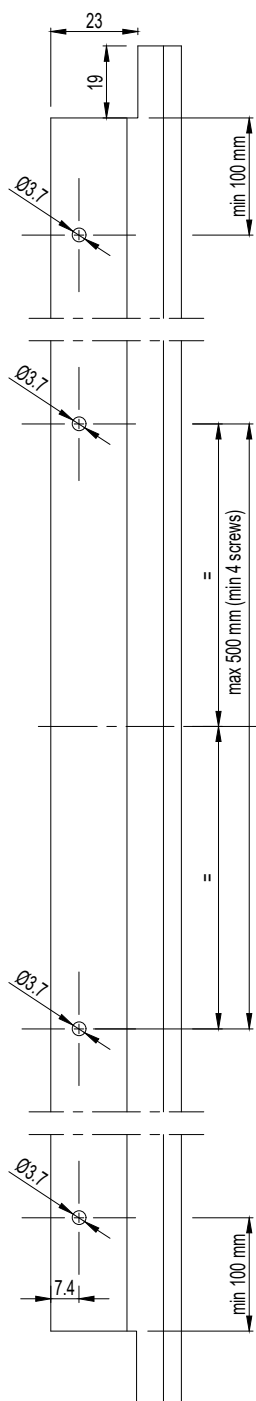
	X
C07.1510.XX	80
C07.2510.XX	90
107.0510.XX	100
C07.3510.XX	110
C07.4510.XX	120
C07.5510.XX	130



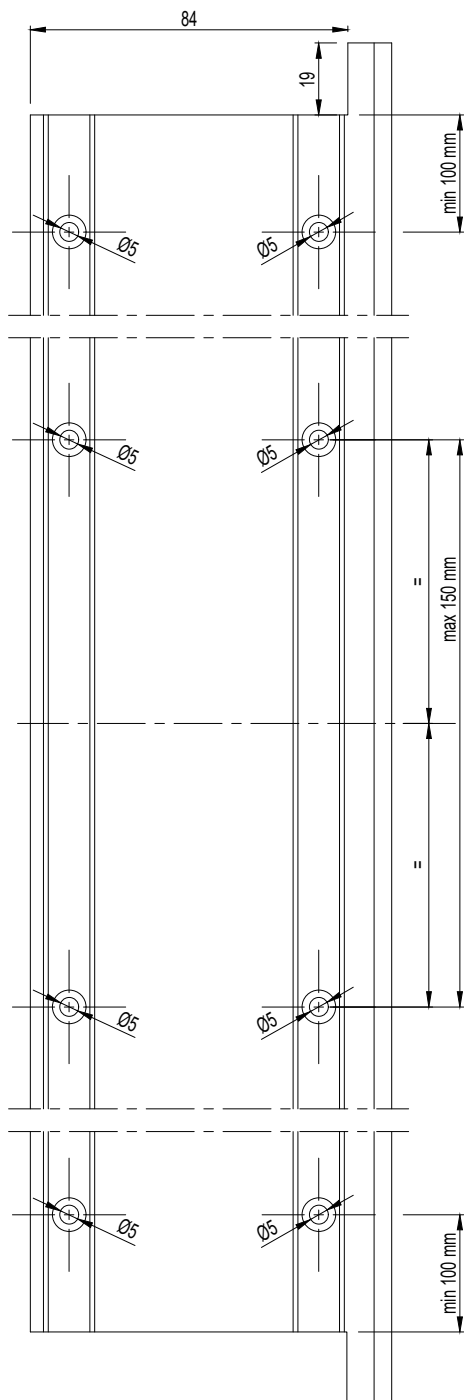


BIJKOMENDE INFO VOORBEREIDING/VERWERKING -> RAADPLEEG HOOFDSTUK B !
INFO COMPLEMENTAIRE PREPARATION/USINAGE -> CONSULTEZ CHAPITRE B !
ADDITIONAL INFO PREPARATION/PROCESSING -> CONSULT CHAPTER B !
ZUSÄTZLICHE INFO VORBEREITUNG/VERARBEITUNG -> SIEHE KAPITEL B !

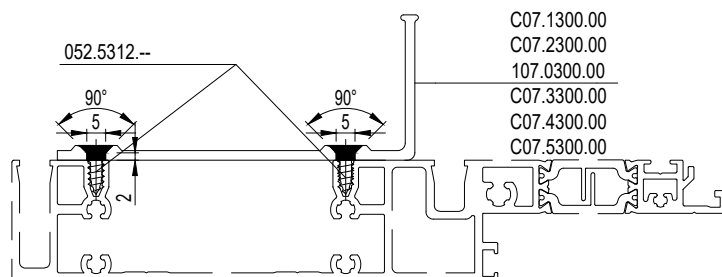




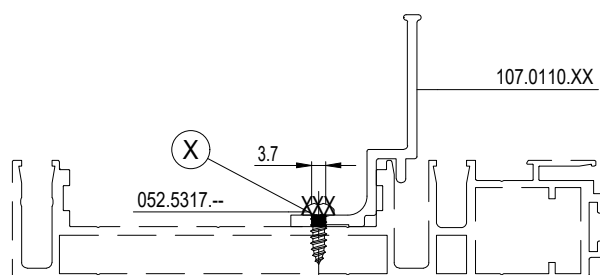
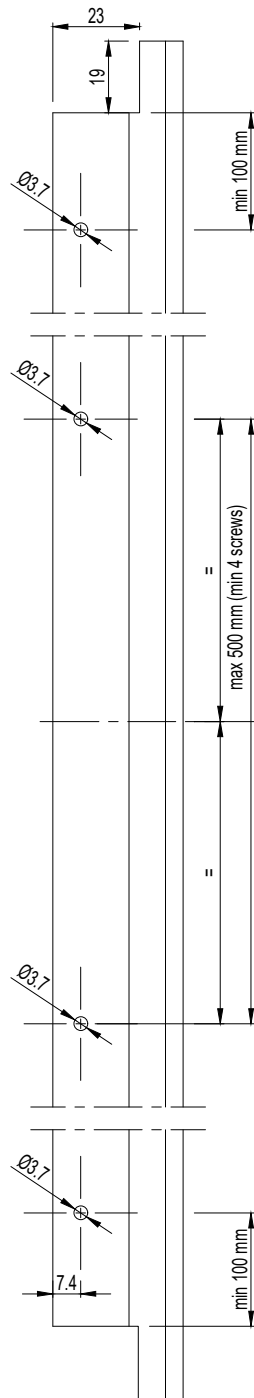
(X) DICHTINGSMIDDEL
 MATIÈRE D'ÉTANCHEITÉ
 SEALING AGENT
 ABDICHTUNG



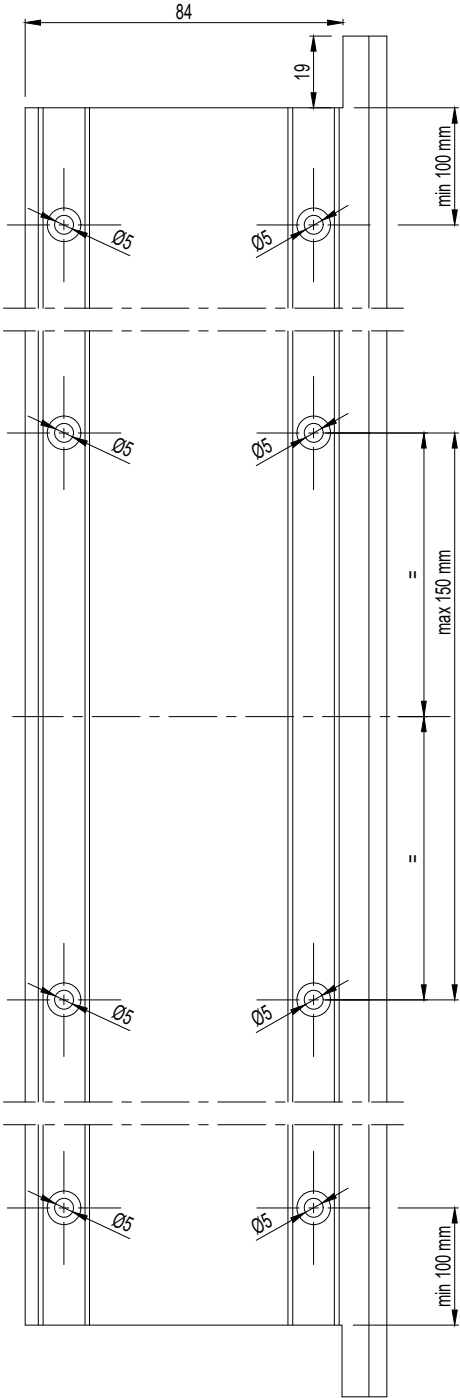
		
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-10 mm	C07.2400.XX C07.2401.XX C07.2402.XX	C07.2300.00
STANDARD	107.0400.XX 107.0401.XX 107.0402.XX	107.0300.00
+10 mm	C07.3400.XX C07.3401.XX C07.3402.XX	C07.3300.00
+20 mm	C07.4400.XX C07.4401.XX C07.4402.XX	C07.4300.00
+30 mm	C07.5400.XX C07.5401.XX C07.5402.XX	C07.5300.00



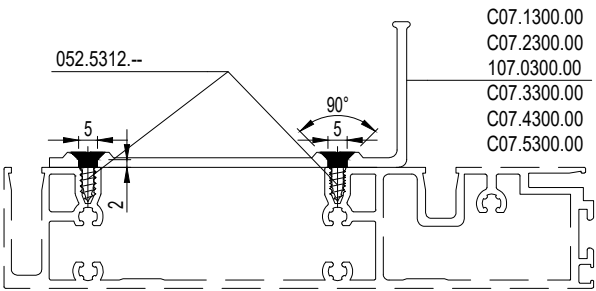
C07.1300.00
C07.2300.00
107.0300.00
C07.3300.00
C07.4300.00
C07.5300.00



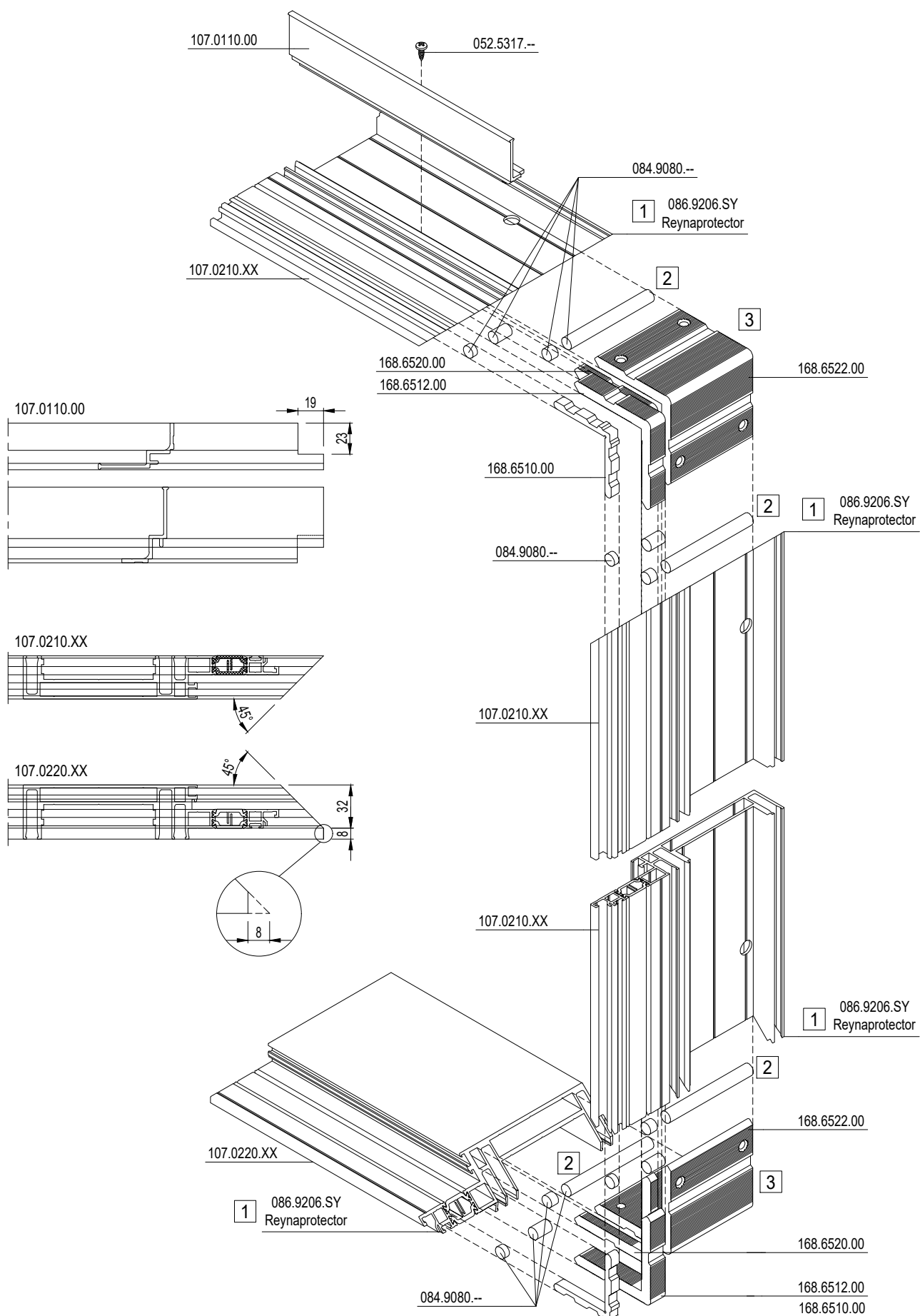
(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG



		
-20 mm	C07.1211.XX	C07.1300.00
-10 mm	C07.2211.XX	C07.2300.00
STANDARD	107.0520.XX	107.0300.00
+10 mm	C07.3211.XX	C07.3300.00
+20 mm	C07.4211.XX	C07.4300.00
+30 mm	C07.5211.XX	C07.5300.00



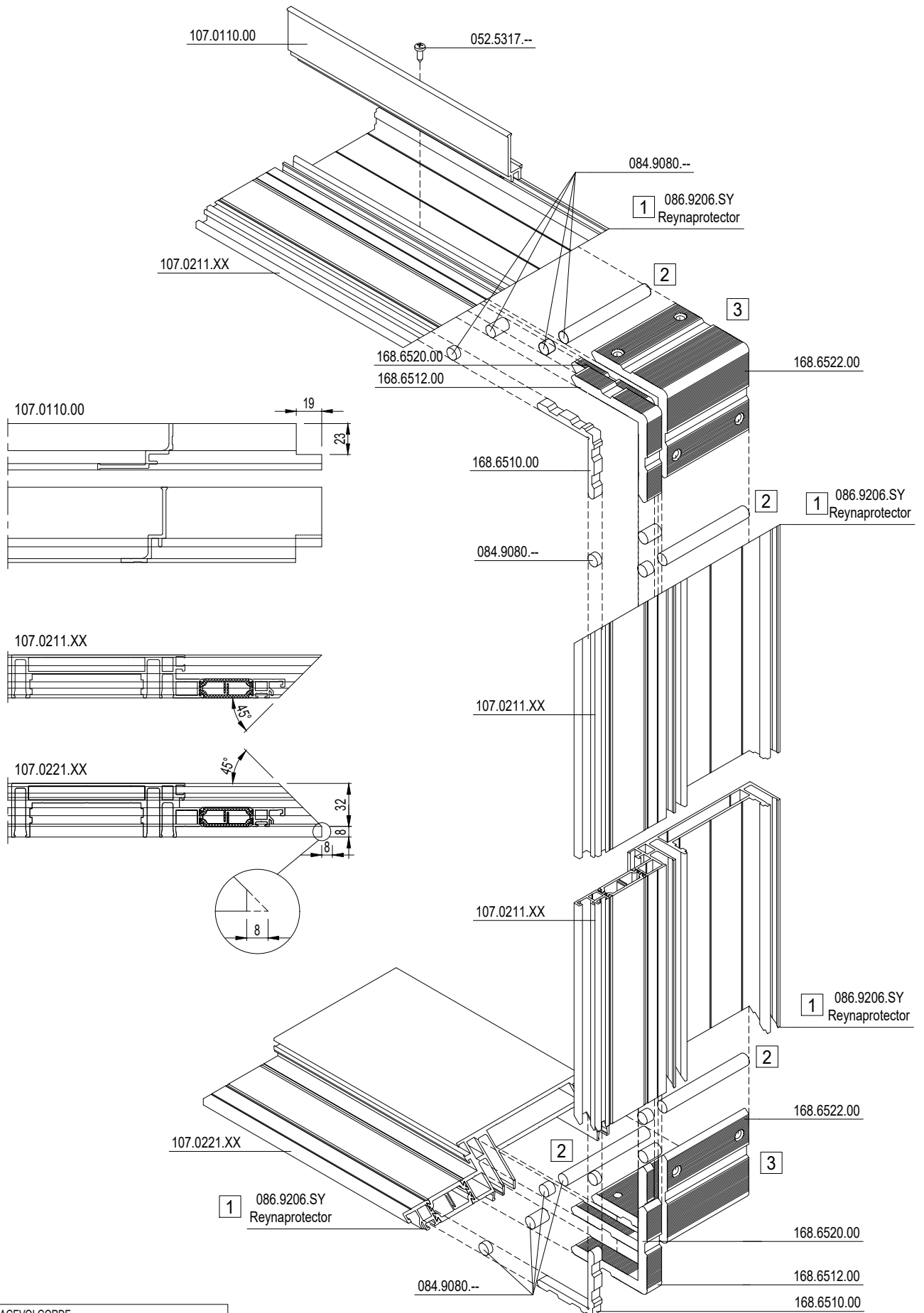
C07.1300.00
C07.2300.00
107.0300.00
C07.3300.00
C07.4300.00
C07.5300.00



MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 2 3 .

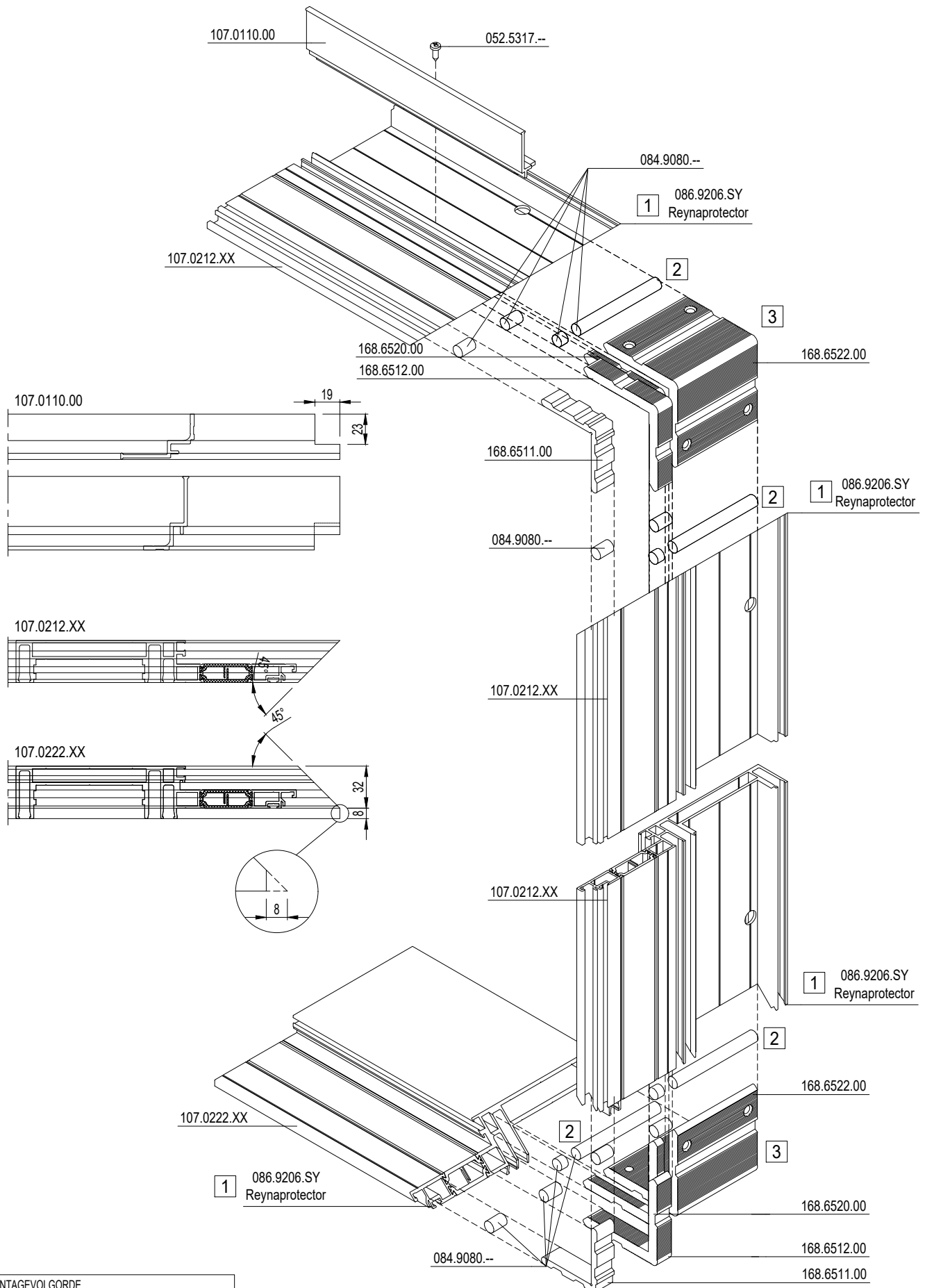
schaal - échelle
scale - Maßstab
1/2



MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

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

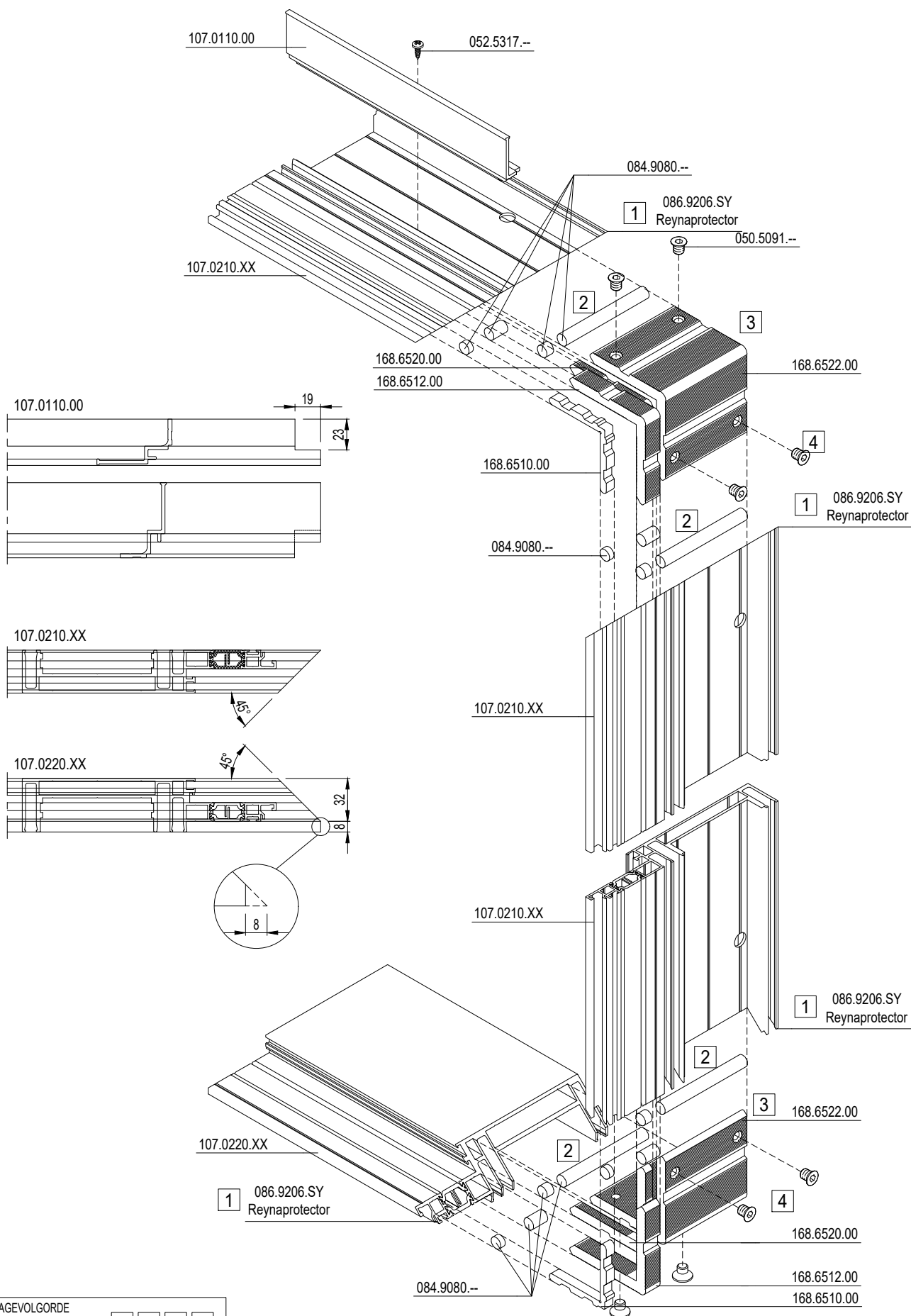
schaal - échelle
 scale - Maßstab
 1/2



MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

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

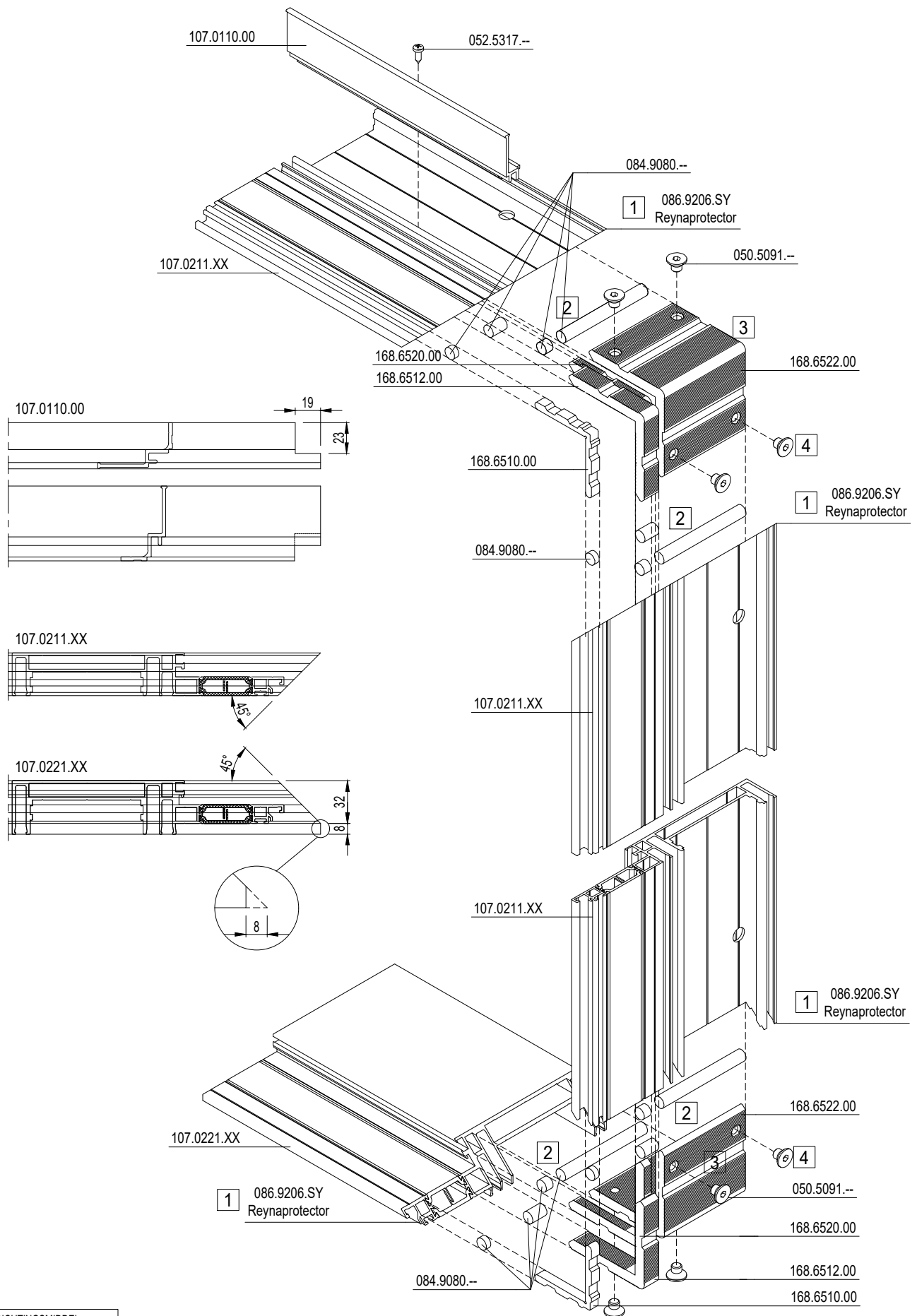
schaal - échelle
 scale - Maßstab
 1/2



MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

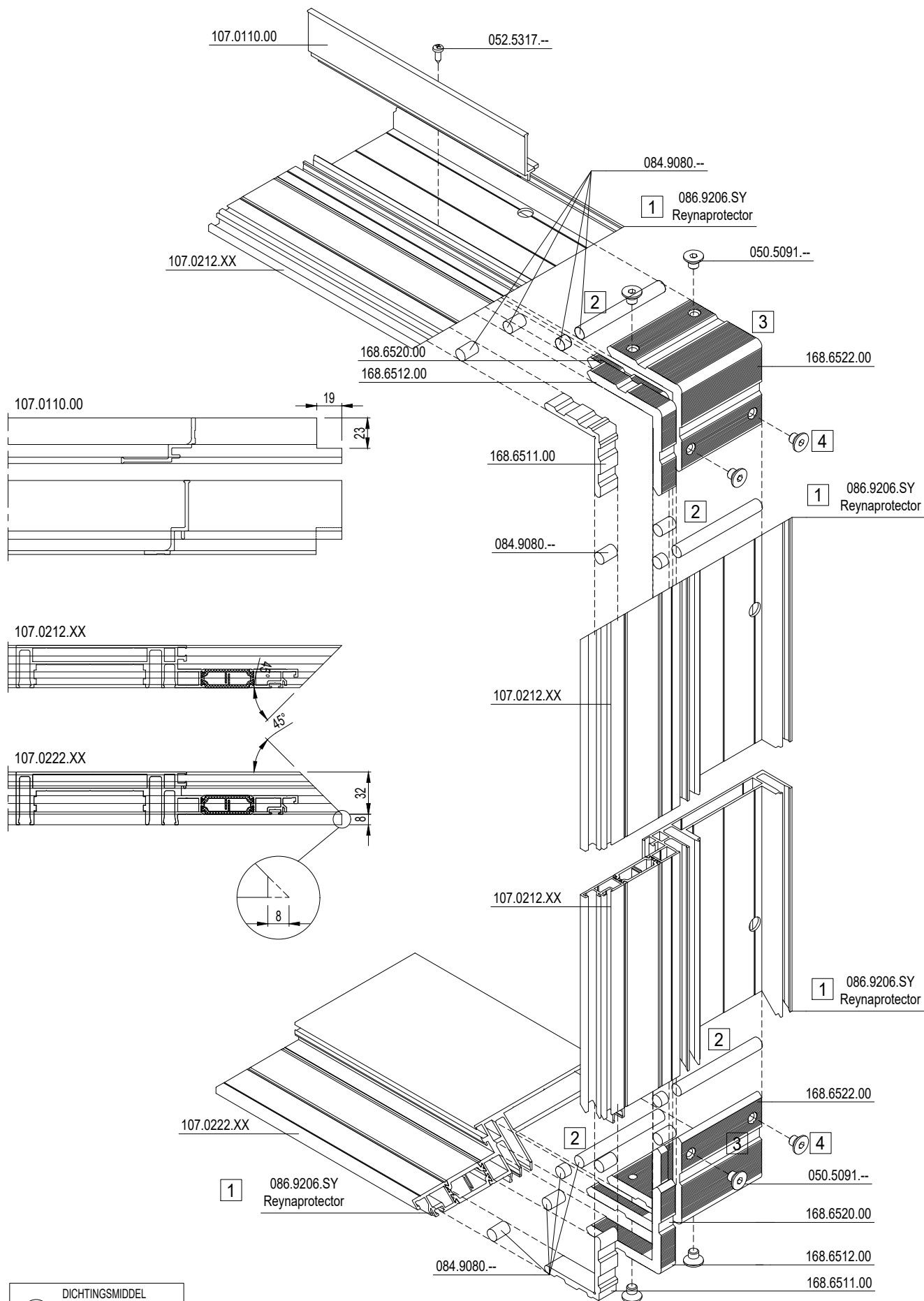
1 2 3 .

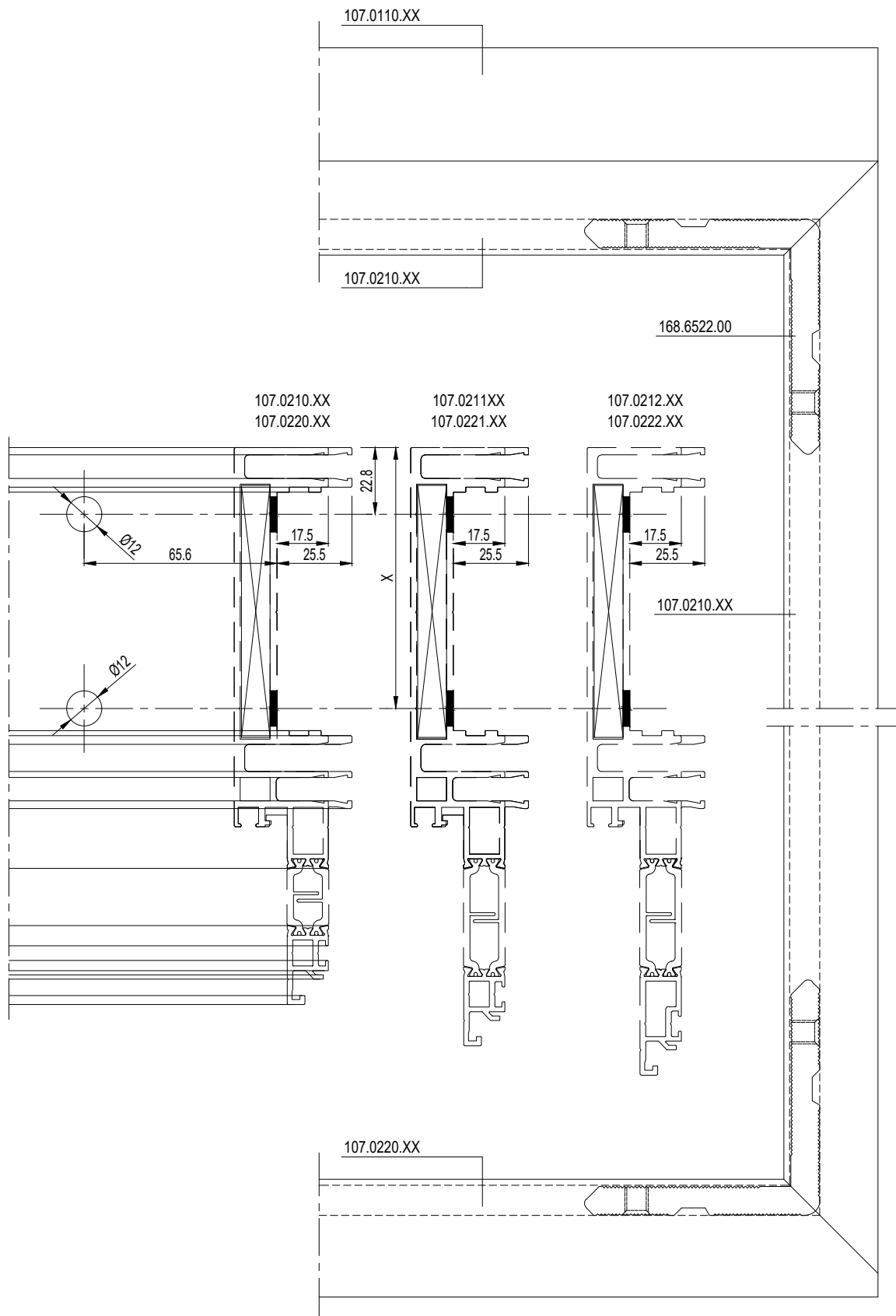
schaal - échelle
 scale - Maßstab
 1/2

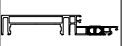


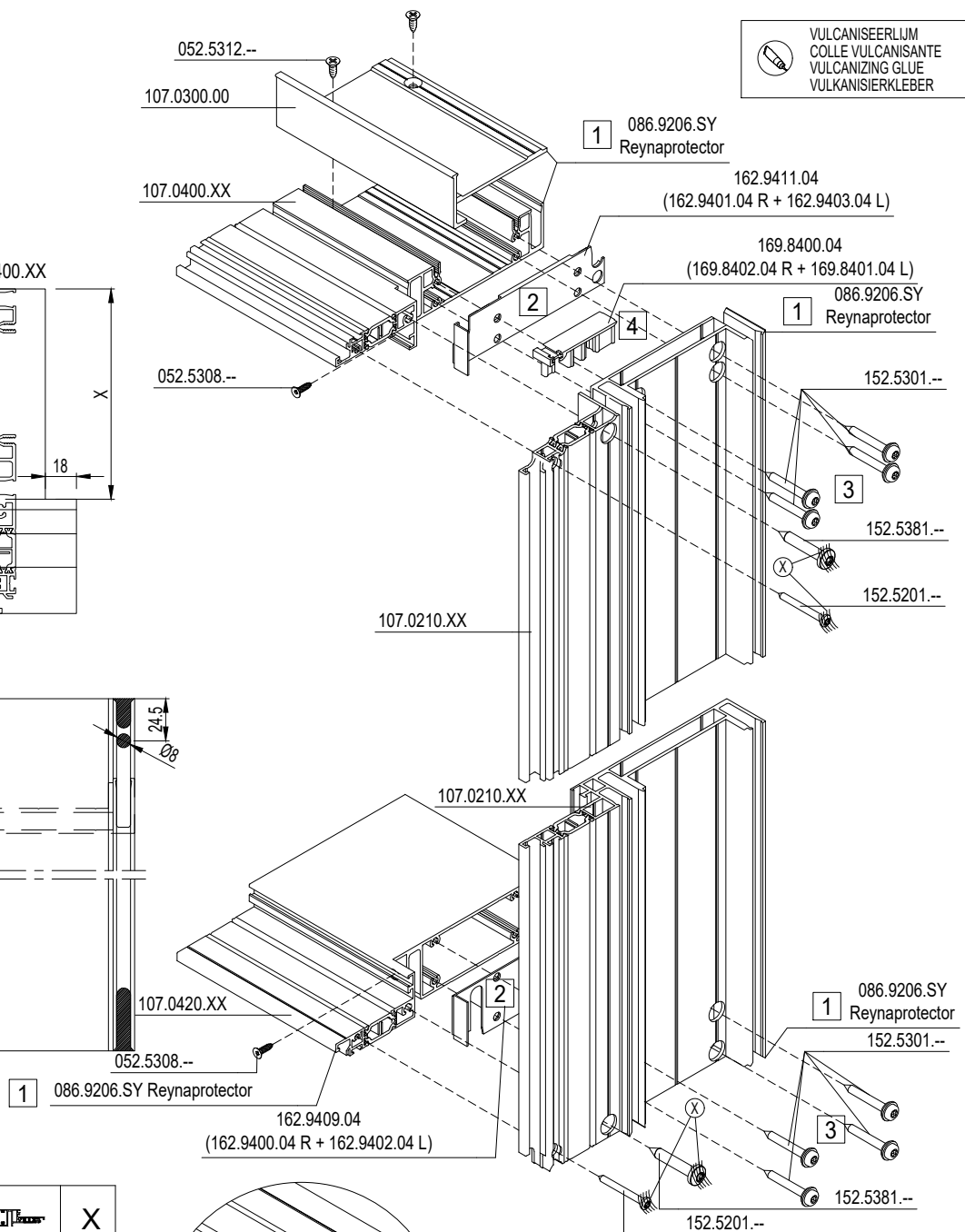
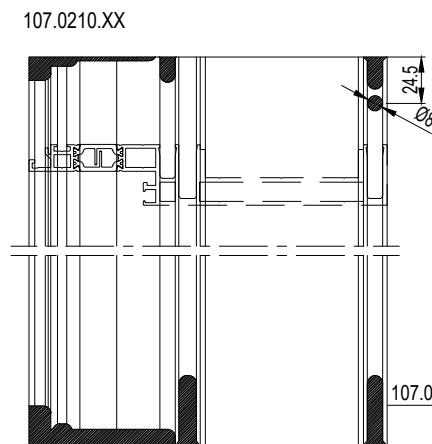
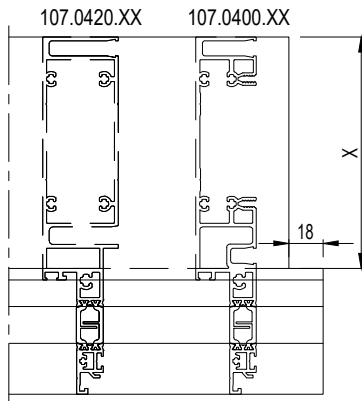
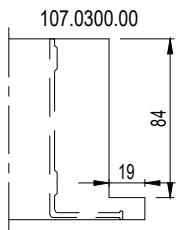
(X) DICHTINGSMIDDEL
 MATIERE D'ETANCHEITE
 SEALING AGENT
 ABDICHTUNG

schaal - échelle
 scale - Maßstab
 1/2

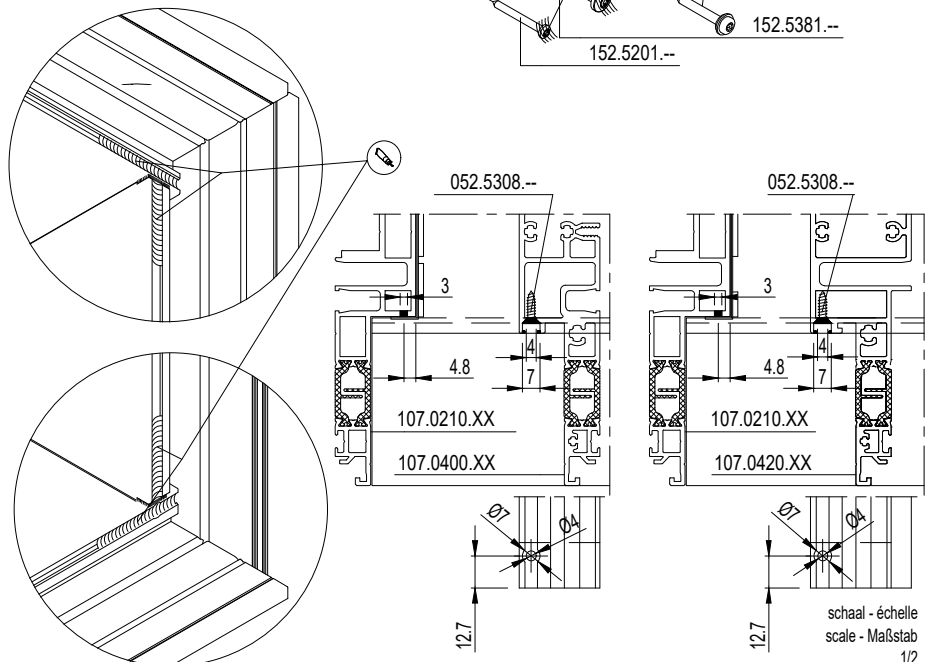


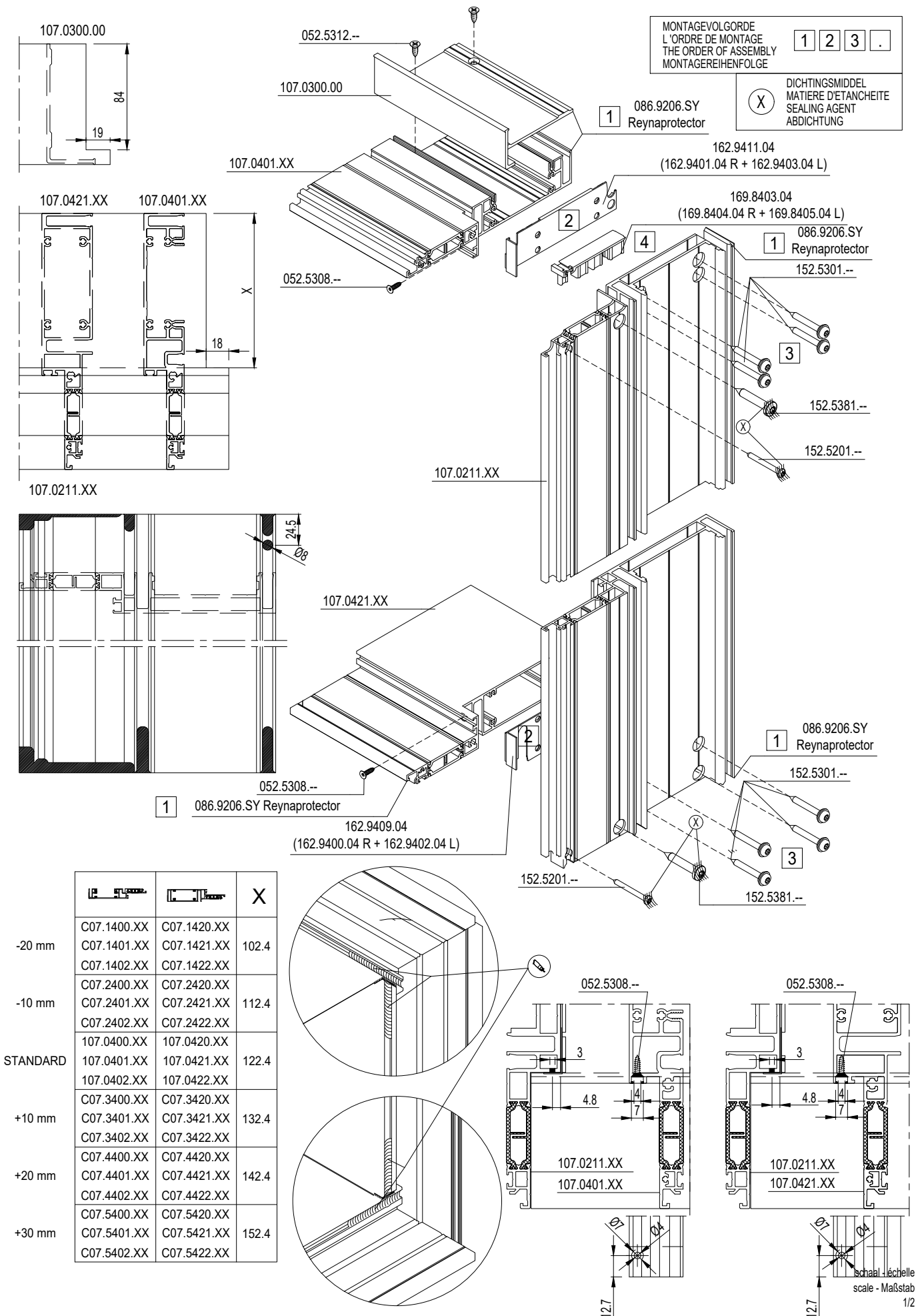


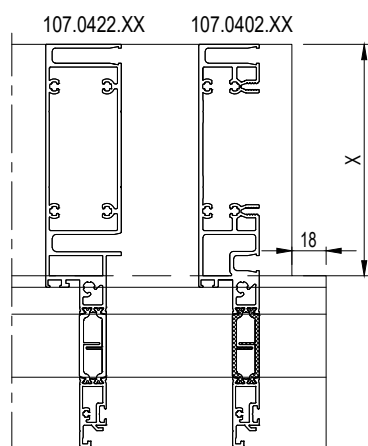
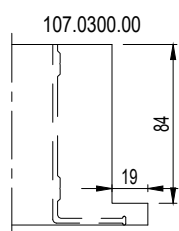
					X
-20 mm	C07.1210.XX C07.1211.XX C07.1212.XX	C07.1220.XX C07.1221.XX C07.1222.XX	C68.1522.00	    4 x 050.5091.-	68.75
-10 mm	C07.2210.XX C07.2211.XX C07.2212.XX	C07.2220.XX C07.2221.XX C07.2222.XX	C68.2522.00		78.75
STANDARD	107.0210.XX 107.0211.XX 107.0212.XX	107.0220.XX 107.0221.XX 107.0222.XX	168.6522.00		88.75
+10 mm	C07.3210.XX C07.3211.XX C07.3212.XX	C07.3220.XX C07.3221.XX C07.3222.XX	C68.3522.00		98.75
+20 mm	C07.4210.XX C07.4211.XX C07.4212.XX	C07.4220.XX C07.4221.XX C07.4222.XX	C68.4522.00		108.75
+30 mm	C07.5210.XX C07.5211.XX C07.5212.XX	C07.5220.XX C07.5221.XX C07.5222.XX	C68.4522.00		118.75



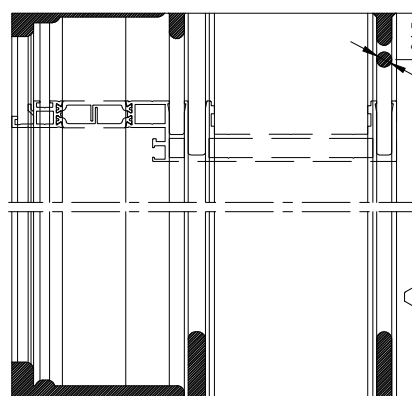
			X
-20 mm	C07.1400.XX C07.1401.XX C07.1402.XX	C07.1420.XX C07.1421.XX C07.1422.XX	102.4
-10 mm	C07.2400.XX C07.2401.XX C07.2402.XX	C07.2420.XX C07.2421.XX C07.2422.XX	112.4
STANDARD	107.0400.XX 107.0401.XX 107.0402.XX	107.0420.XX 107.0421.XX 107.0422.XX	122.4
+10 mm	C07.3400.XX C07.3401.XX C07.3402.XX	C07.3420.XX C07.3421.XX C07.3422.XX	132.4
+20 mm	C07.4400.XX C07.4401.XX C07.4402.XX	C07.4420.XX C07.4421.XX C07.4422.XX	142.4
+30 mm	C07.5400.XX C07.5401.XX C07.5402.XX	C07.5420.XX C07.5421.XX C07.5422.XX	152.4







107.0212.XX



052.5308.--

1 086.9206.SY Reynaprotector

MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 2 3 .

X

DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

X

VULCANISEERLIJM
COLLE VULCANISANTE
VULCANIZING GLUE
VULKANISIERKLEBER

052.5312.--

107.0300.00

107.0402.XX

1 086.9206.SY
Reynaprotector162.9411.04
(162.9401.04 R + 162.9403.04 L)169.8406.04
(169.8407.04 R + 169.8408.04 L)1 086.9206.SY
Reynaprotector

152.5301.--

3

152.5381.--

152.5201.--

107.0212.XX

162.9409.04
(162.9400.04 R + 162.9402.04 L)

107.0422.XX

2

1 086.9206.SY
Reynaprotector

152.5301.--

3

152.5381.--

152.5201.--

152.5201.--

052.5308.--

052.5308.--

3

4.8

4

7

107.0212.XX

107.0402.XX

107.0212.XX

107.0422.XX

Ø7

Ø7

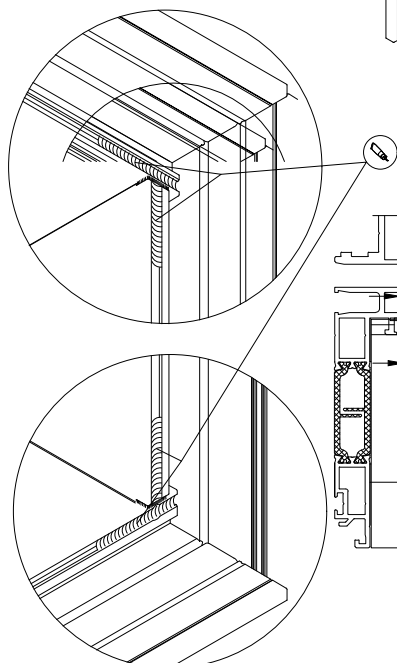
12.7

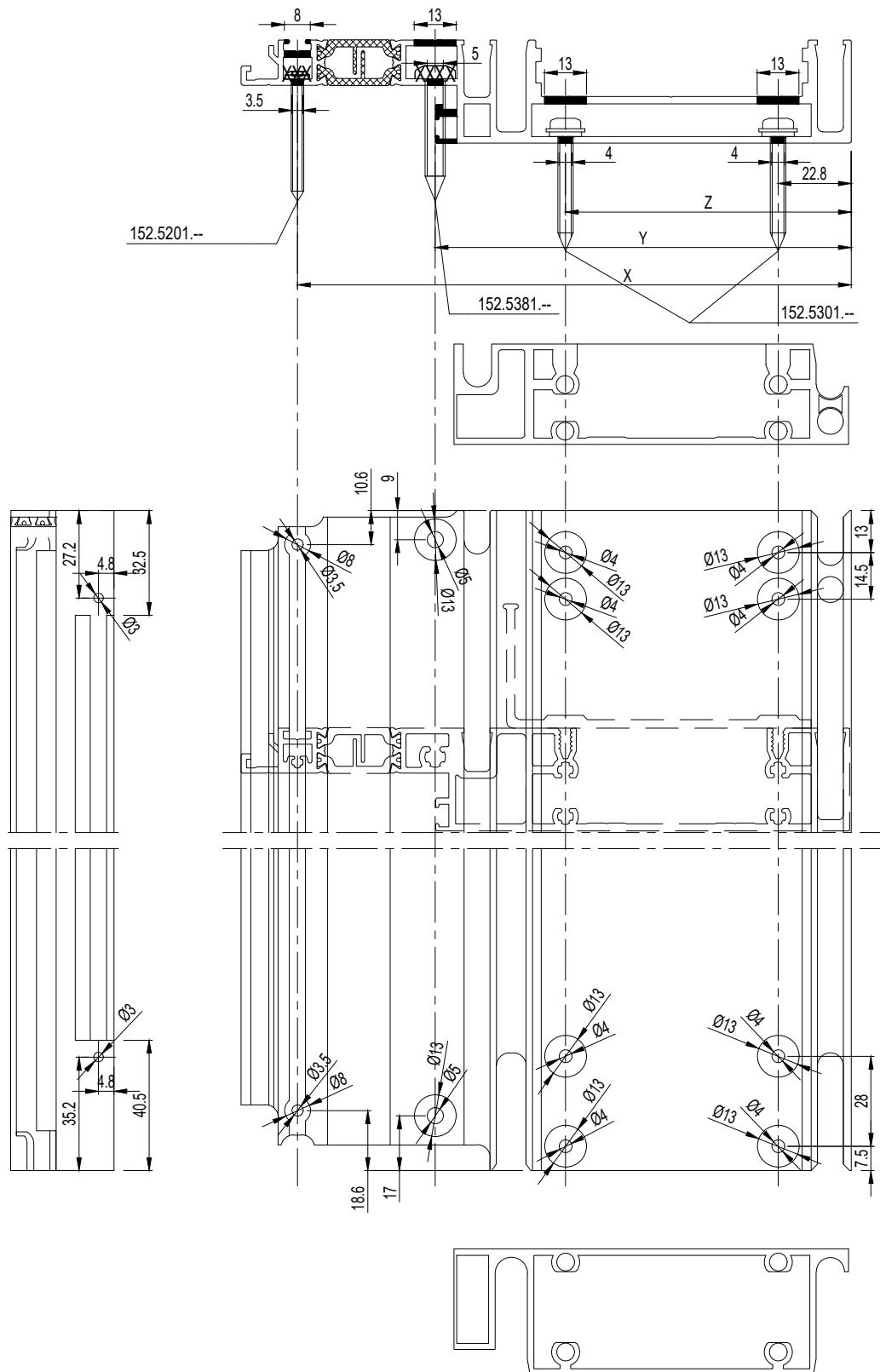
Ø7

Ø7

12.7

			X
-20 mm	C07.1400.XX	C07.1420.XX	102.4
	C07.1401.XX	C07.1421.XX	
	C07.1402.XX	C07.1422.XX	
-10 mm	C07.2400.XX	C07.2420.XX	112.4
	C07.2401.XX	C07.2421.XX	
	C07.2402.XX	C07.2422.XX	
STANDARD	107.0400.XX	107.0420.XX	122.4
	107.0401.XX	107.0421.XX	
	107.0402.XX	107.0422.XX	
+10 mm	C07.3400.XX	C07.3420.XX	132.4
	C07.3401.XX	C07.3421.XX	
	C07.3402.XX	C07.3422.XX	
+20 mm	C07.4400.XX	C07.4420.XX	142.4
	C07.4401.XX	C07.4421.XX	
	C07.4402.XX	C07.4422.XX	
+30 mm	C07.5400.XX	C07.5420.XX	152.4
	C07.5401.XX	C07.5421.XX	
	C07.5402.XX	C07.5422.XX	

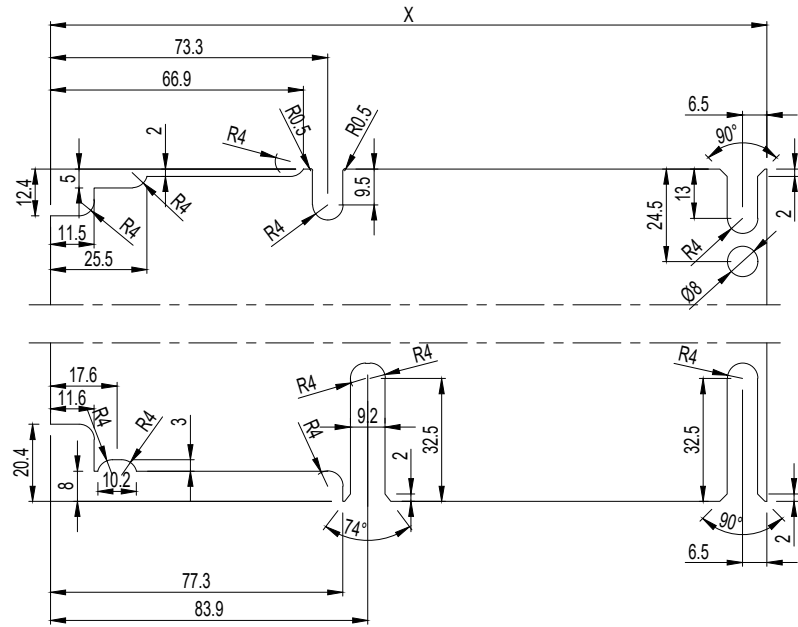




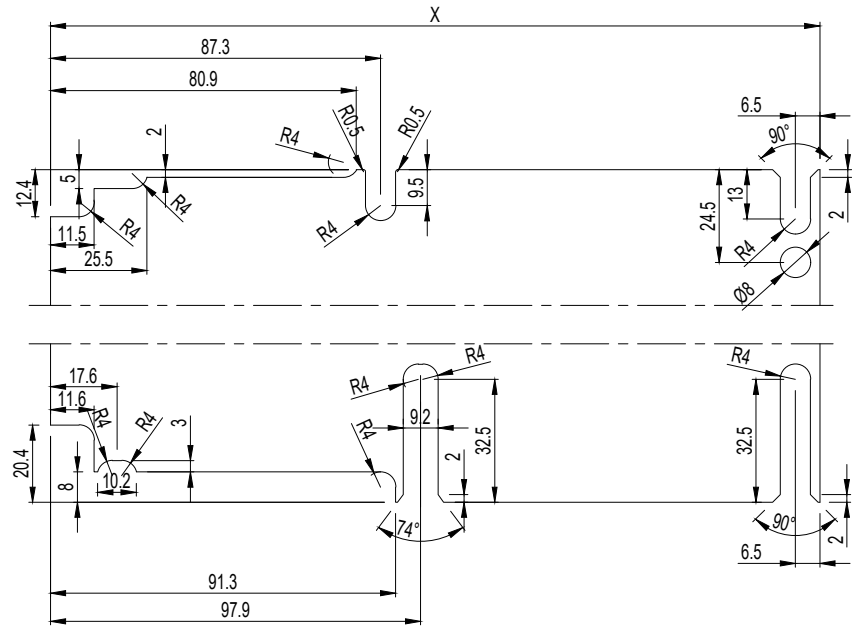
DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
 scale - Maßstab
 1/2

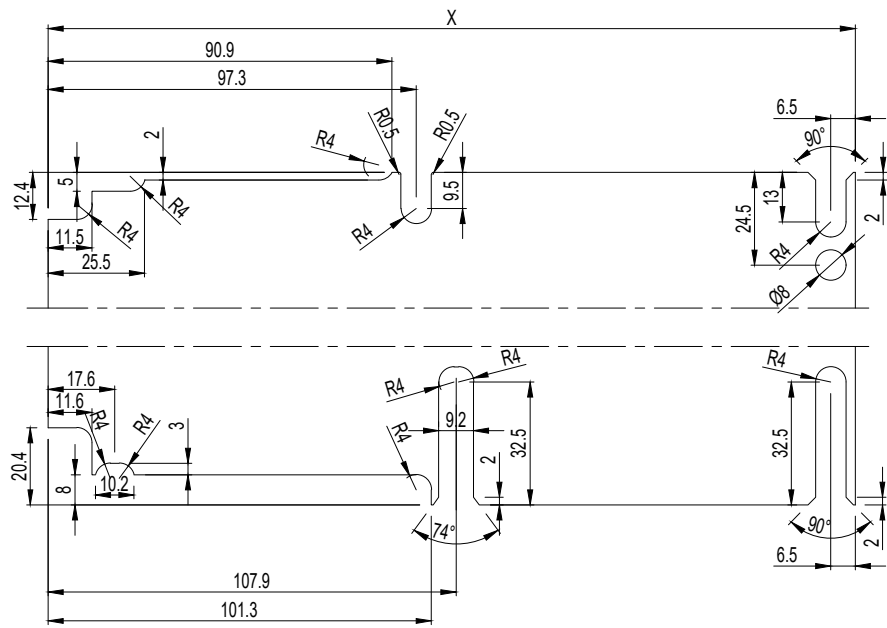
							X	Y	Z
-20 mm	C07.1400.XX	C07.1420.XX	C07.1210.XX				152	109	68.8
	C07.1401.XX	C07.1421.XX	C07.1211.XX				166		
	C07.1402.XX	C07.1422.XX	C07.1212.XX				176		
-10 mm	C07.2400.XX	C07.2420.XX	C07.2210.XX				162	119	78.8
	C07.2401.XX	C07.2421.XX	C07.2211.XX				176		
	C07.2402.XX	C07.2422.XX	C07.2212.XX				186		
STANDARD	C07.0400.XX	C07.0420.XX	C07.0210.XX				172	129	88.8
	C07.0401.XX	C07.0421.XX	C07.0211.XX				186		
	C07.0402.XX	C07.0422.XX	C07.0212.XX				196		
+10 mm	C07.3400.XX	C07.3420.XX	C07.3210.XX				182	139	98.8
	C07.3401.XX	C07.3421.XX	C07.3211.XX				196		
	C07.3402.XX	C07.3422.XX	C07.3212.XX				206		
+20 mm	C07.4400.XX	C07.4420.XX	C07.4210.XX				192	149	108.8
	C07.4401.XX	C07.4421.XX	C07.4211.XX				206		
	C07.4402.XX	C07.4422.XX	C07.4212.XX				216		
+30 mm	C07.5400.XX	C07.5420.XX	C07.5210.XX				202	159	118.8
	C07.5401.XX	C07.5421.XX	C07.5211.XX				216		
	C07.5402.XX	C07.5422.XX	C07.5212.XX				226		



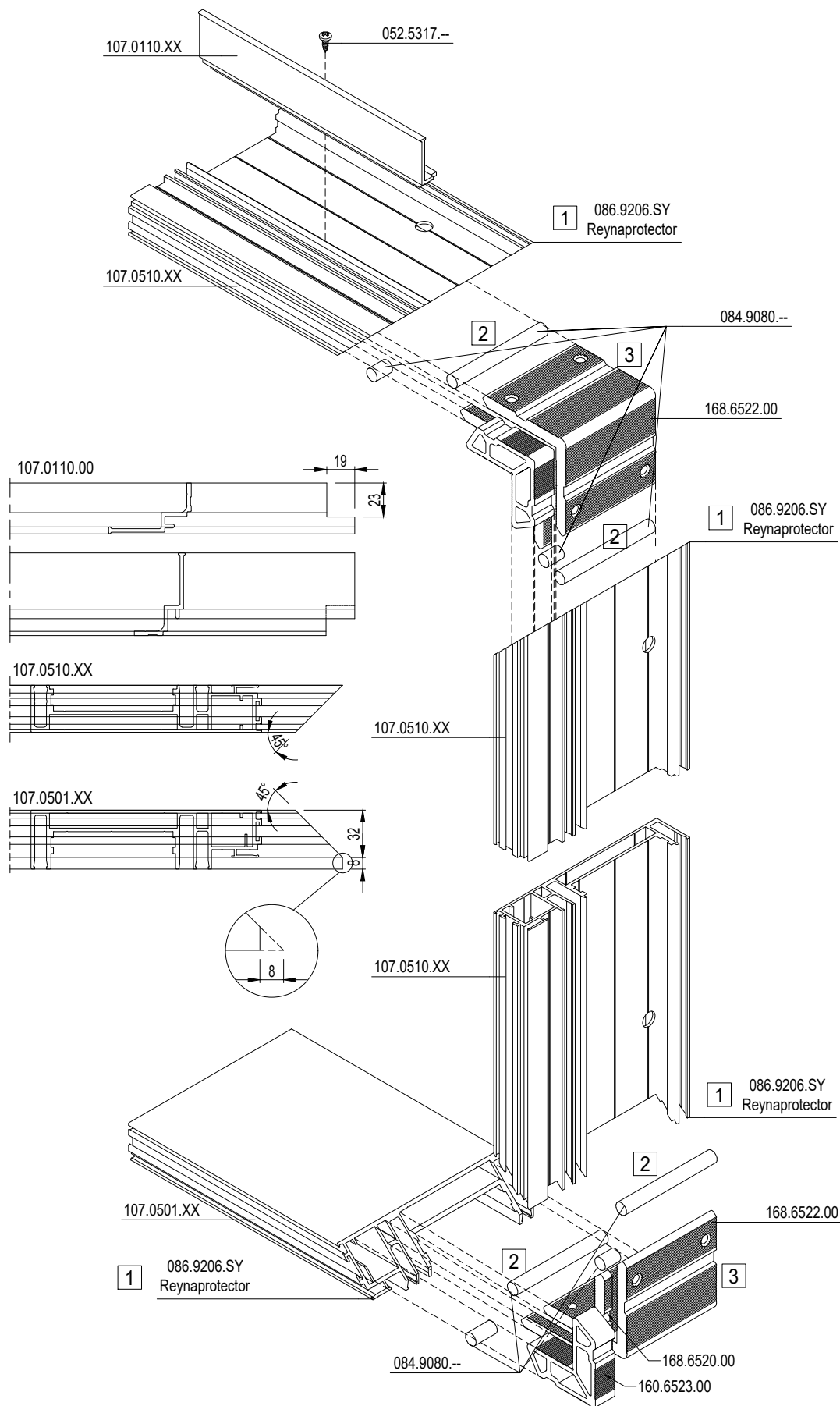
		X	
-20 mm	C07.1210.XX	169.5	169.8400.04
-10 mm	C07.2210.XX	179.5	
STANDARD	107.0210.XX	189.5	
+10 mm	C07.3210.XX	199.5	
+20 mm	C07.4210.XX	209.5	
+30 mm	C07.5210.XX	219.5	



		X	
-20 mm	C07.1211.XX	183.5	169.8403.04
-10 mm	C07.2211.XX	193.5	
STANDARD	107.0211.XX	203.5	
+10 mm	C07.3211.XX	213.5	
+20 mm	C07.4211.XX	223.5	
+30 mm	C07.5211.XX	233.5	



		X	
-20 mm	C07.1212.XX	193.5	169.8406.04
-10 mm	C07.2212.XX	203.5	
STANDARD	107.0212.XX	213.5	
+10 mm	C07.3212.XX	223.5	
+20 mm	C07.4212.XX	233.5	
+30 mm	C07.5212.XX	243.5	

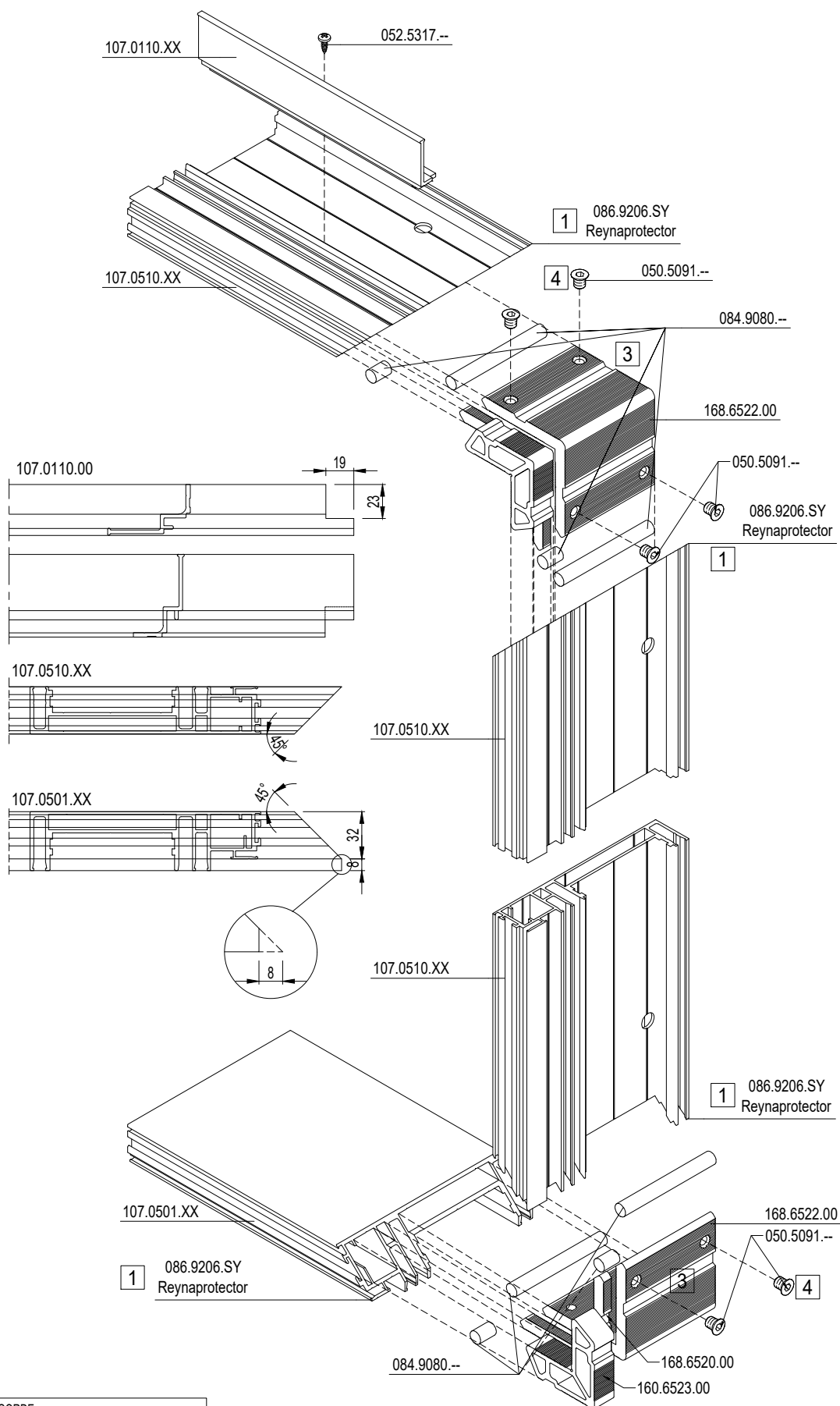


F

MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 **2** **3** **.**

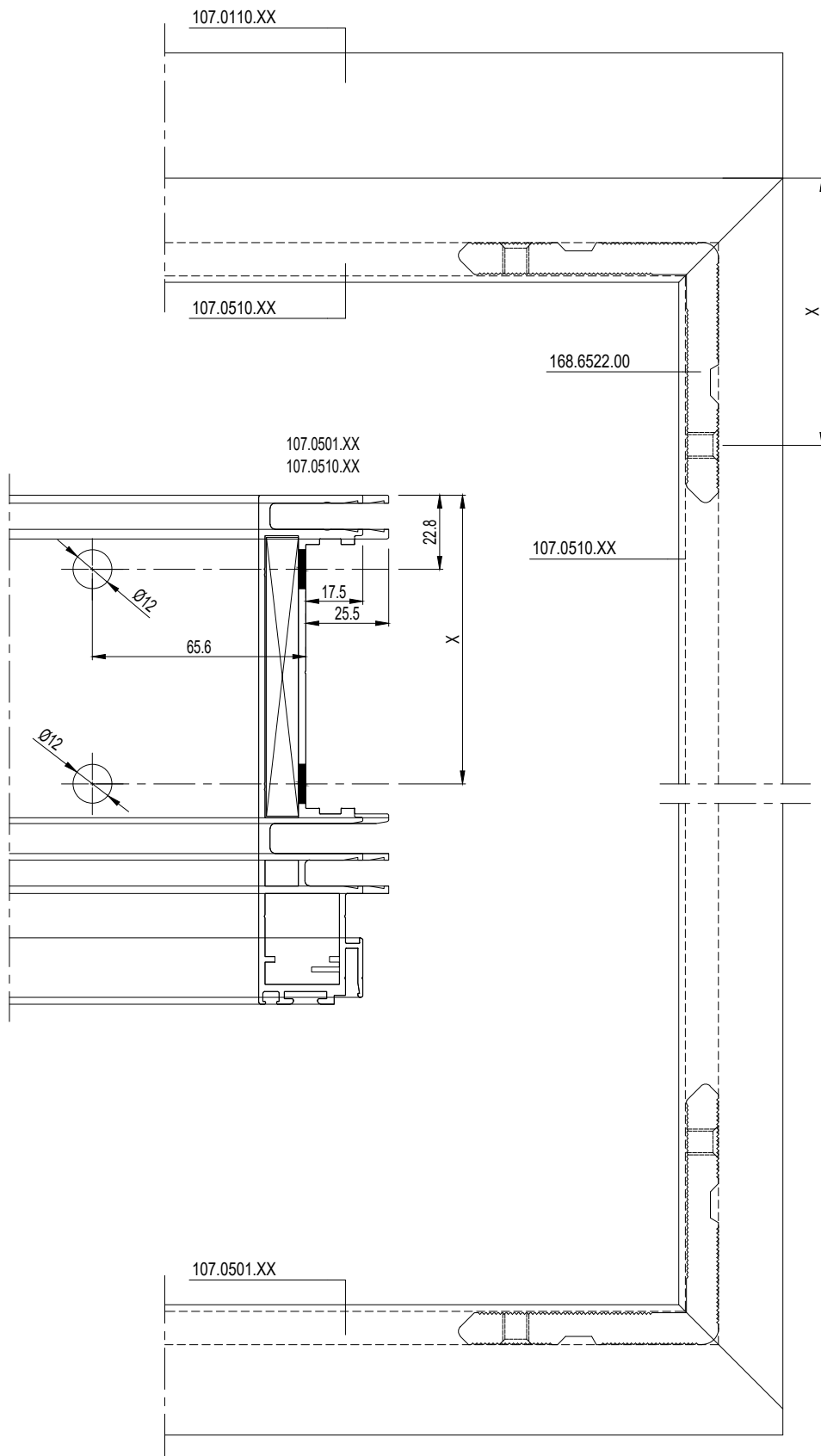
schaal - échelle
scale - Maßstab
1/2



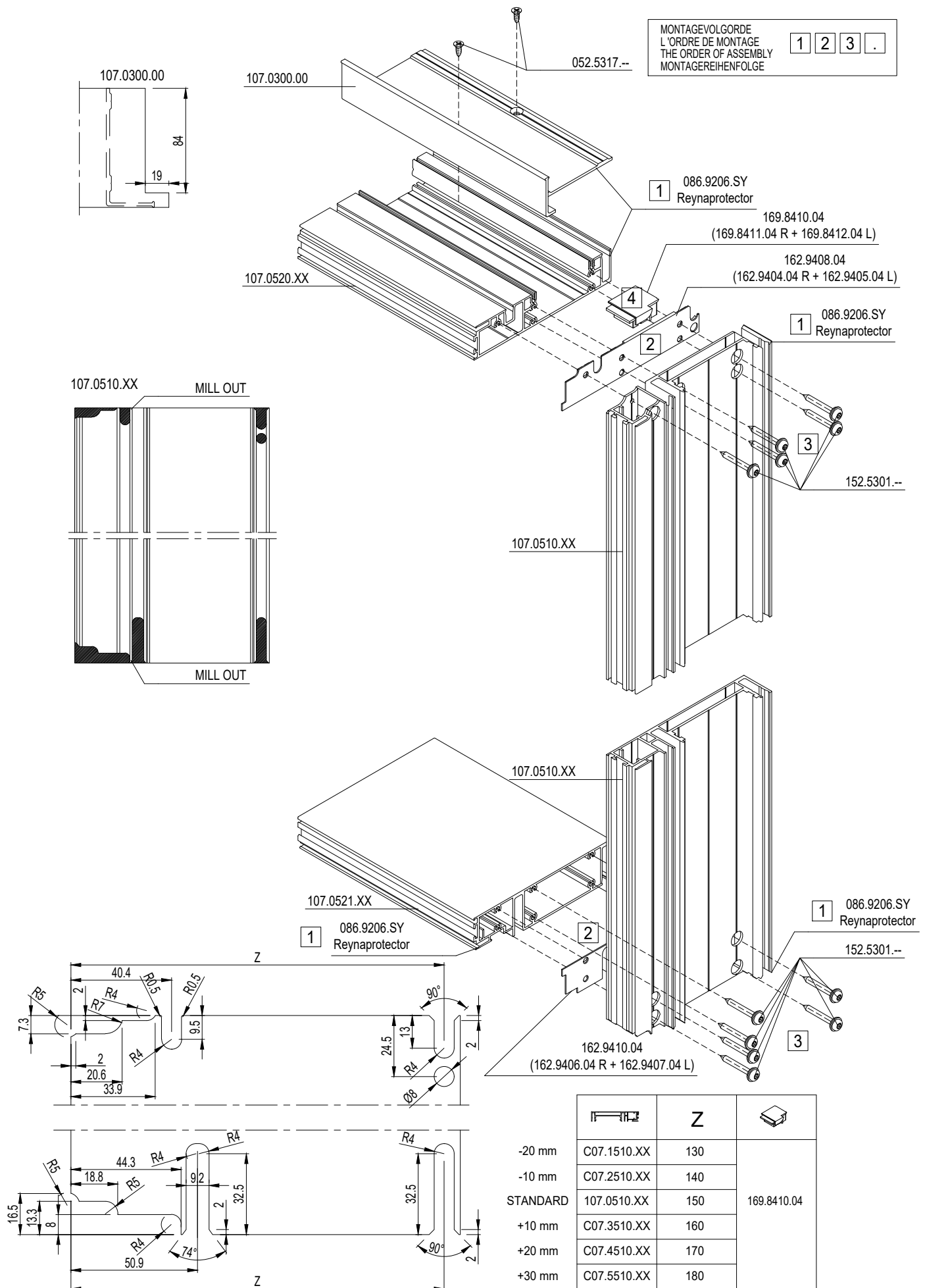
MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

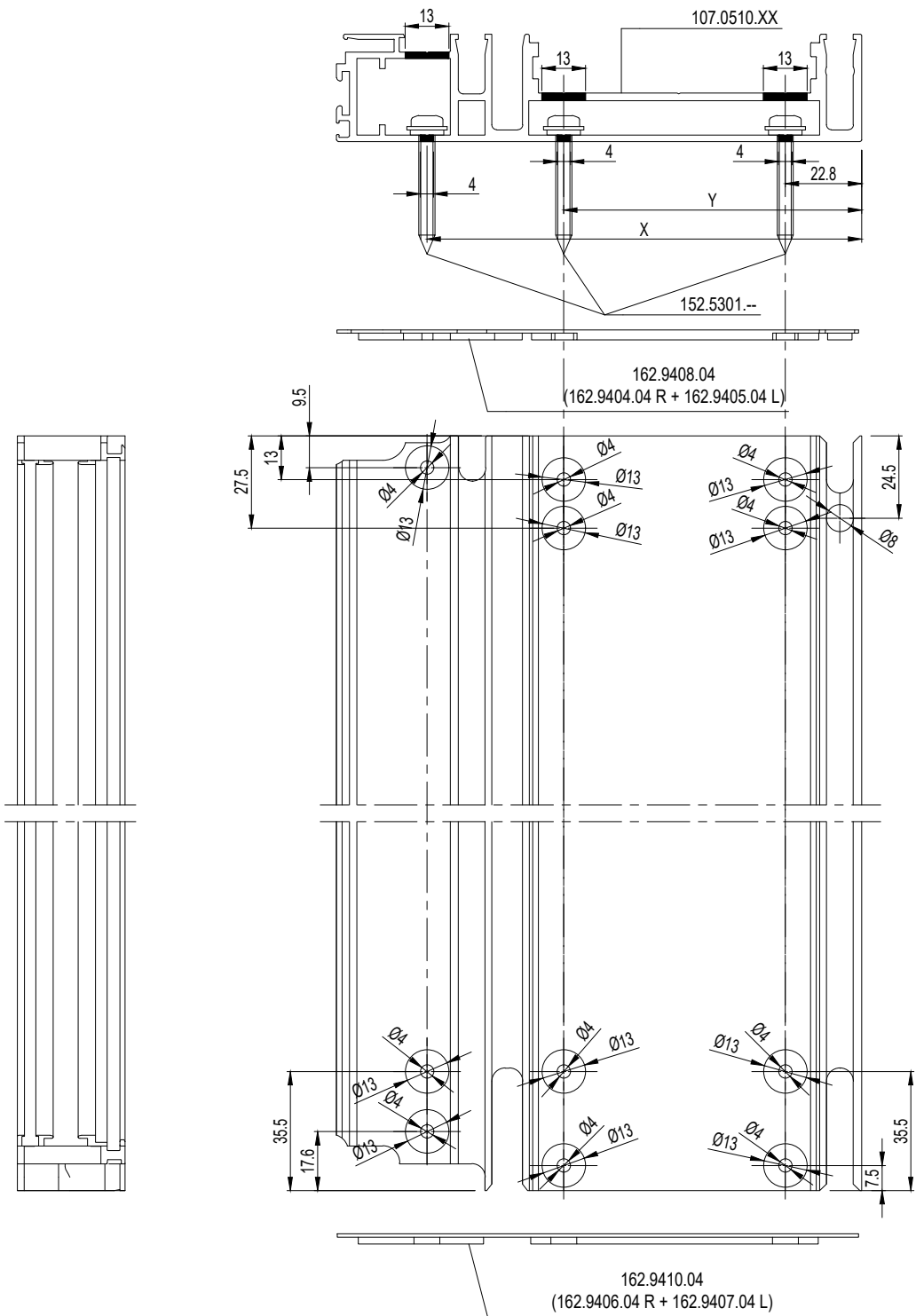
1 2 3 .

schaal - échelle
 scale - Maßstab
 1/2

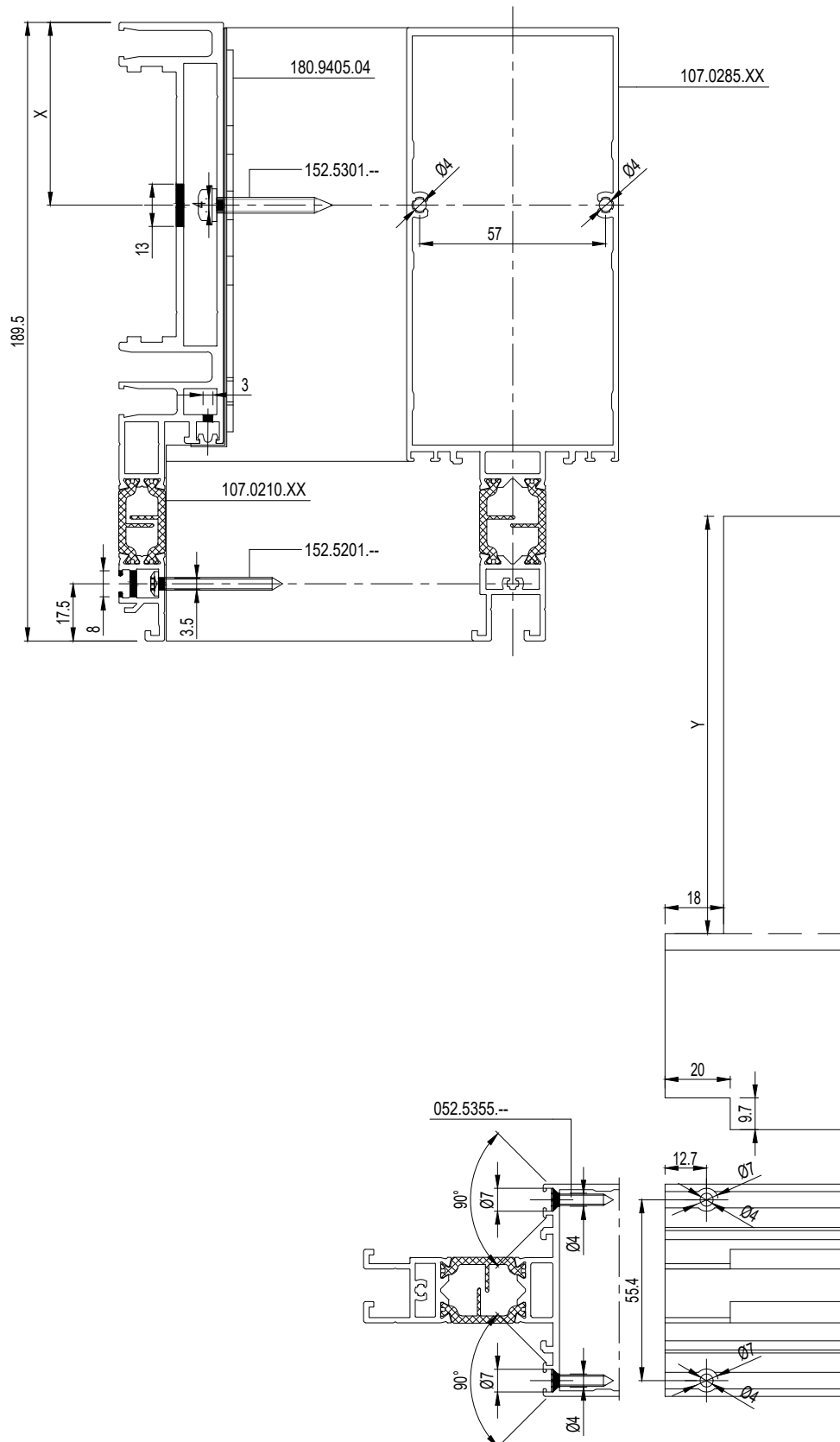


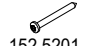
					X
-20 mm	C07.1510.XX	C07.1501.XX	C68.1522.00	 4 x 050.5091...	68.8
-10 mm	C07.2510.XX	C07.2501.XX	C68.2522.00		78.8
STANDARD	107.0510.XX	107.0501.XX	168.6522.00		88.8
+10 mm	C07.3510.XX	C07.3501.XX	C68.3522.00		98.8
+20 mm	C07.4510.XX	C07.4501.XX	C68.4522.00		108.8
+30 mm	C07.5510.XX	C07.5501.XX	C68.4522.00		118.8

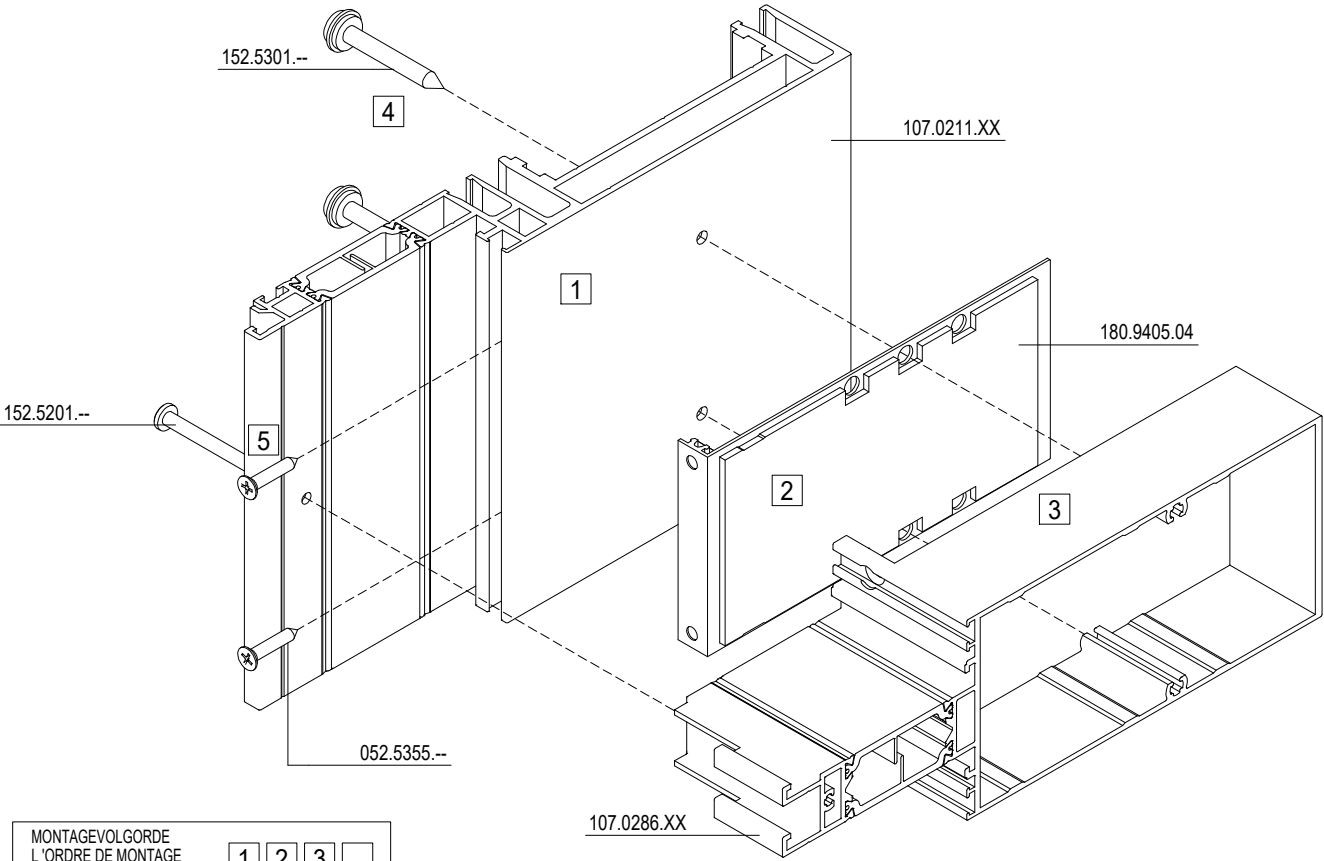
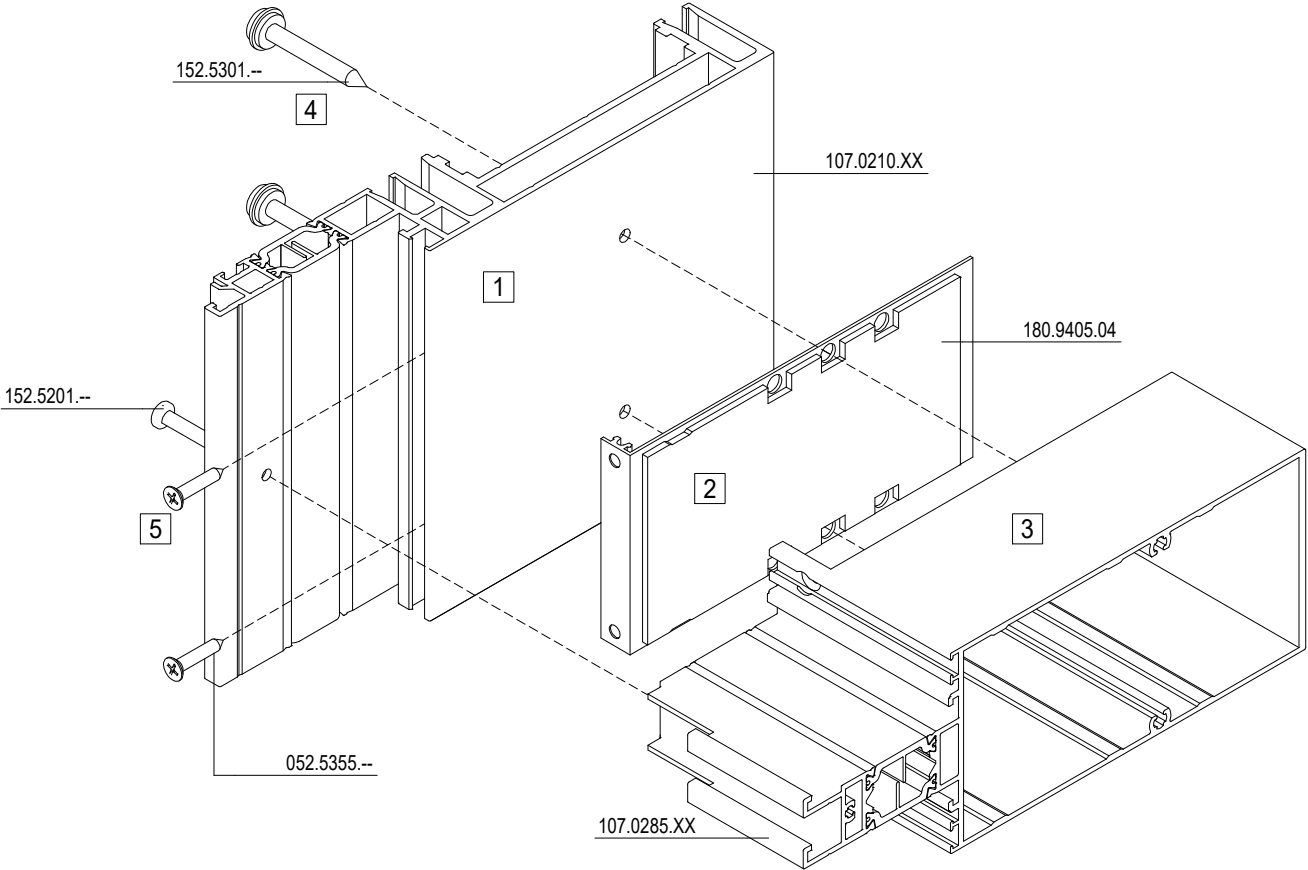




						X	Y
-20 mm	C07.1520.XX	C07.1521.XX	C62.1408.04	C62.1410.04	 11 x 152.5301.--	109.5	68.8
-10 mm	C07.2520.XX	C07.2521.XX	C62.2408.04	C62.2410.04		119.5	78.8
STANDARD	107.0520.XX	107.0521.XX	162.9411.04	162.9410.04		129.5	88.8
+10 mm	C07.3520.XX	C07.3521.XX	C62.3408.04	C62.3410.04		139.5	98.8
+20 mm	C07.4520.XX	C07.4521.XX	C62.4408.04	C62.4410.04		149.5	108.8
+30 mm	C07.5520.XX	C07.5521.XX	C62.5408.04	C62.5410.04		159.5	118.8



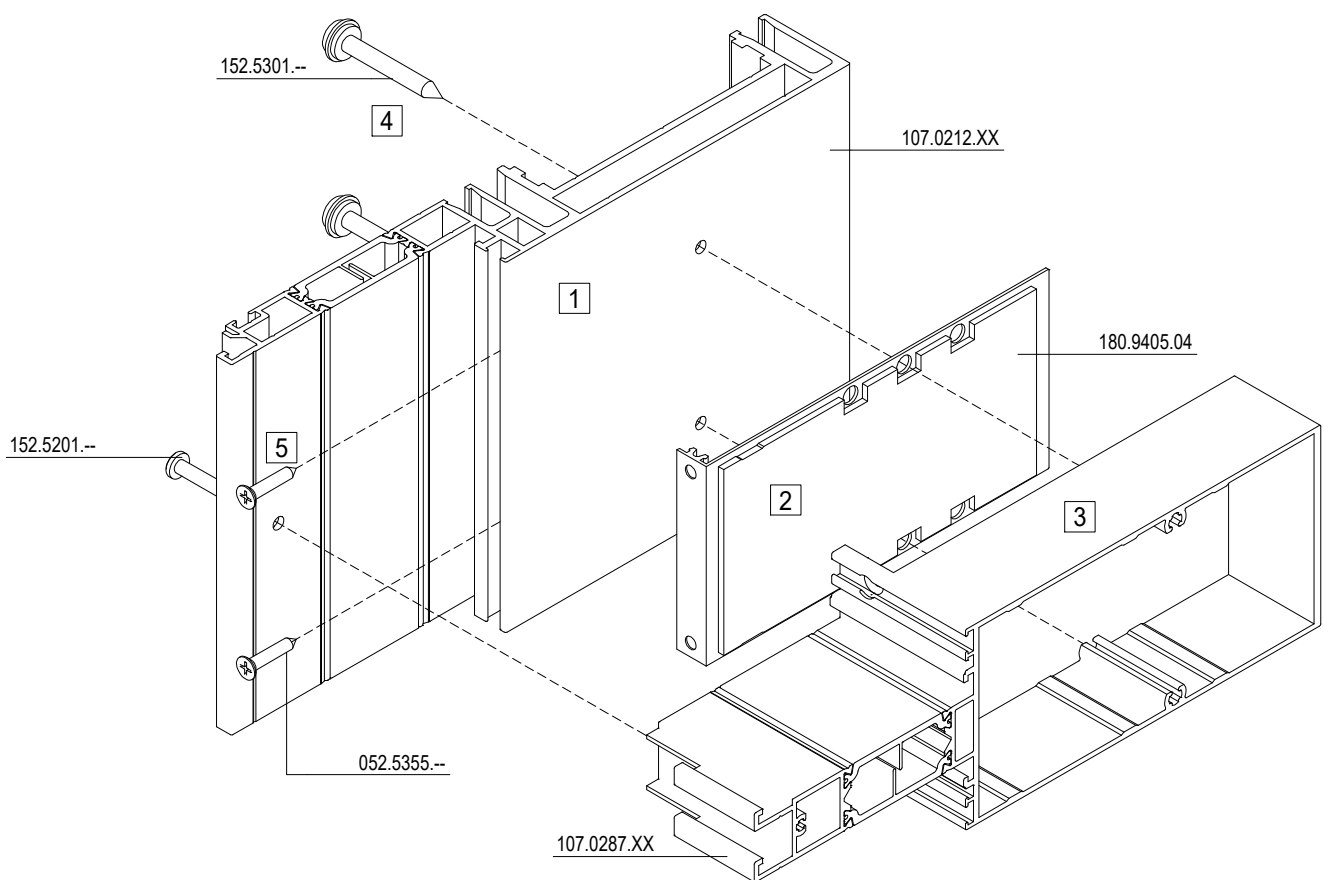
					X	Y
STANDARD	-20 mm	C07.1210.XX	C07.1285.XX		46	107.9
		C07.1211.XX	C07.1286.XX			
		C07.1212.XX	C07.1287.XX			
	-10 mm	C07.2210.XX	C07.2285.XX		51	117.9
		C07.2211.XX	C07.2286.XX			
		C07.2212.XX	C07.2287.XX			
		107.0210.XX	107.0285.XX		56	127.9
		107.0211.XX	107.0286.XX			
		107.0212.XX	107.0287.XX			
	+10 mm	C07.3210.XX	C07.3285.XX		61	137.9
		C07.3211.XX	C07.3286.XX			
		C07.3212.XX	C07.3287.XX			
	+20 mm	C07.4210.XX	C07.4285.XX		66	147.9
		C07.4211.XX	C07.4286.XX			
		C07.4212.XX	C07.4287.XX			
	+30 mm	C07.5210.XX	C07.5285.XX		71	157.9
		C07.5211.XX	C07.5286.XX			
		C07.5212.XX	C07.5287.XX			



MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1	2	3	.
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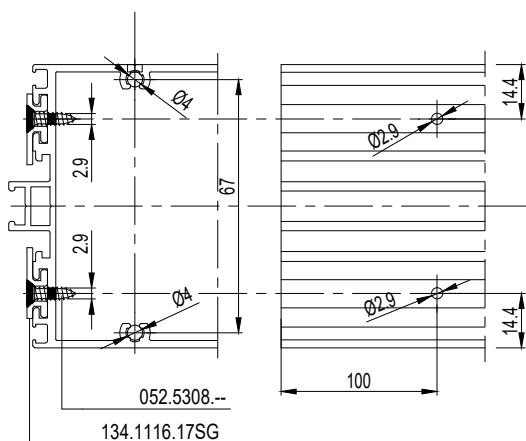
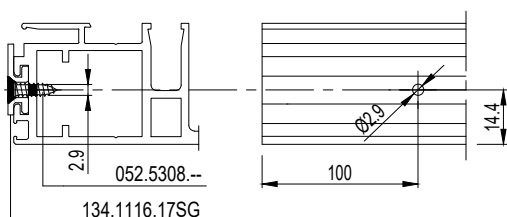
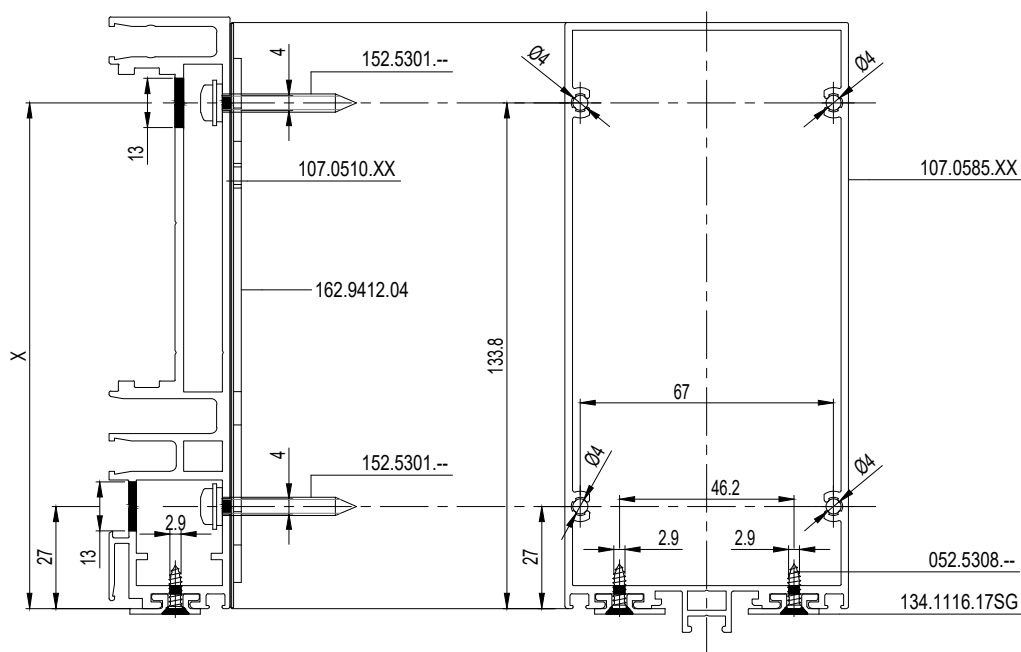
schaal - échelle
scale - Maßstab
1/2



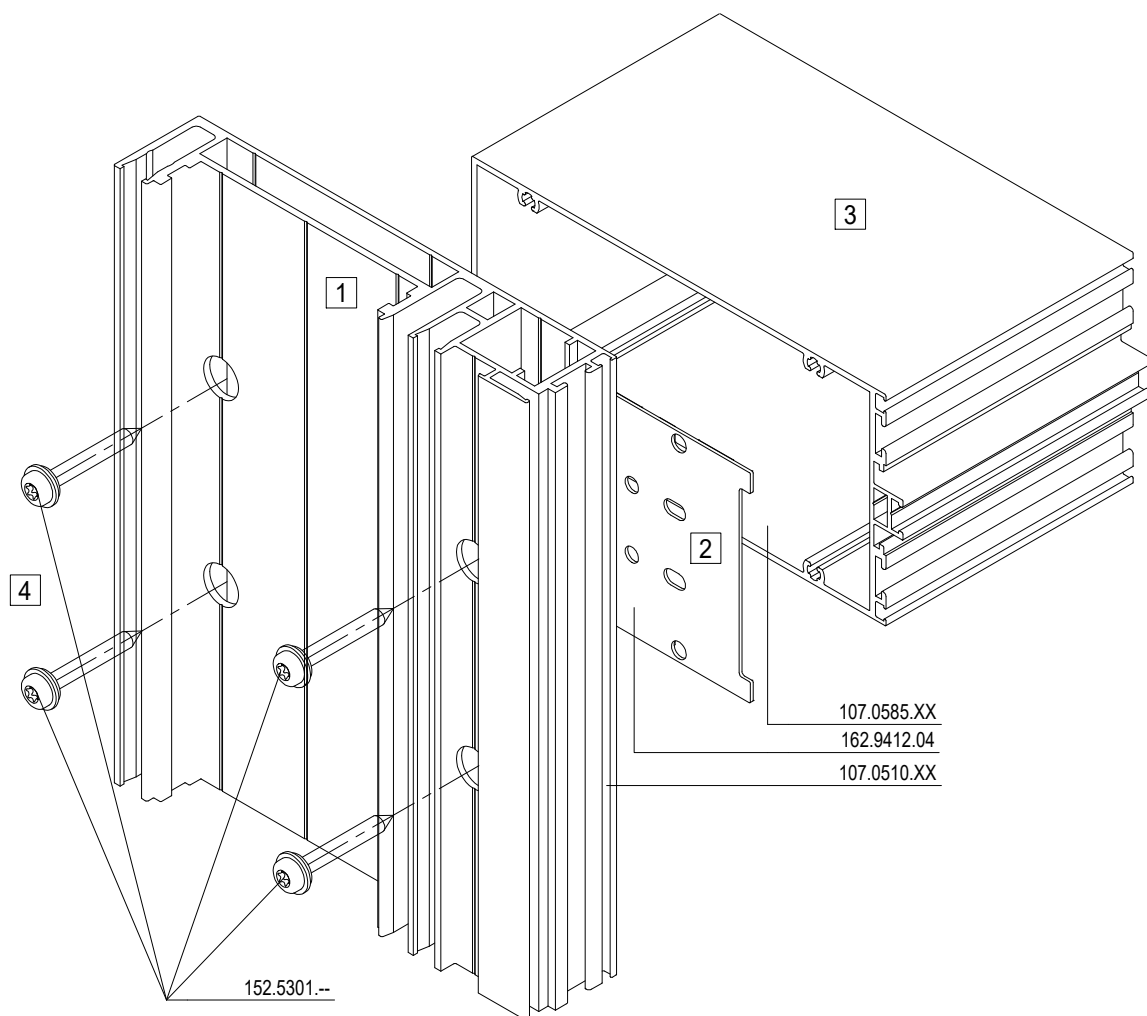
MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

1 2 3 .

schaal - échelle
 scale - Maßstab
 1/2



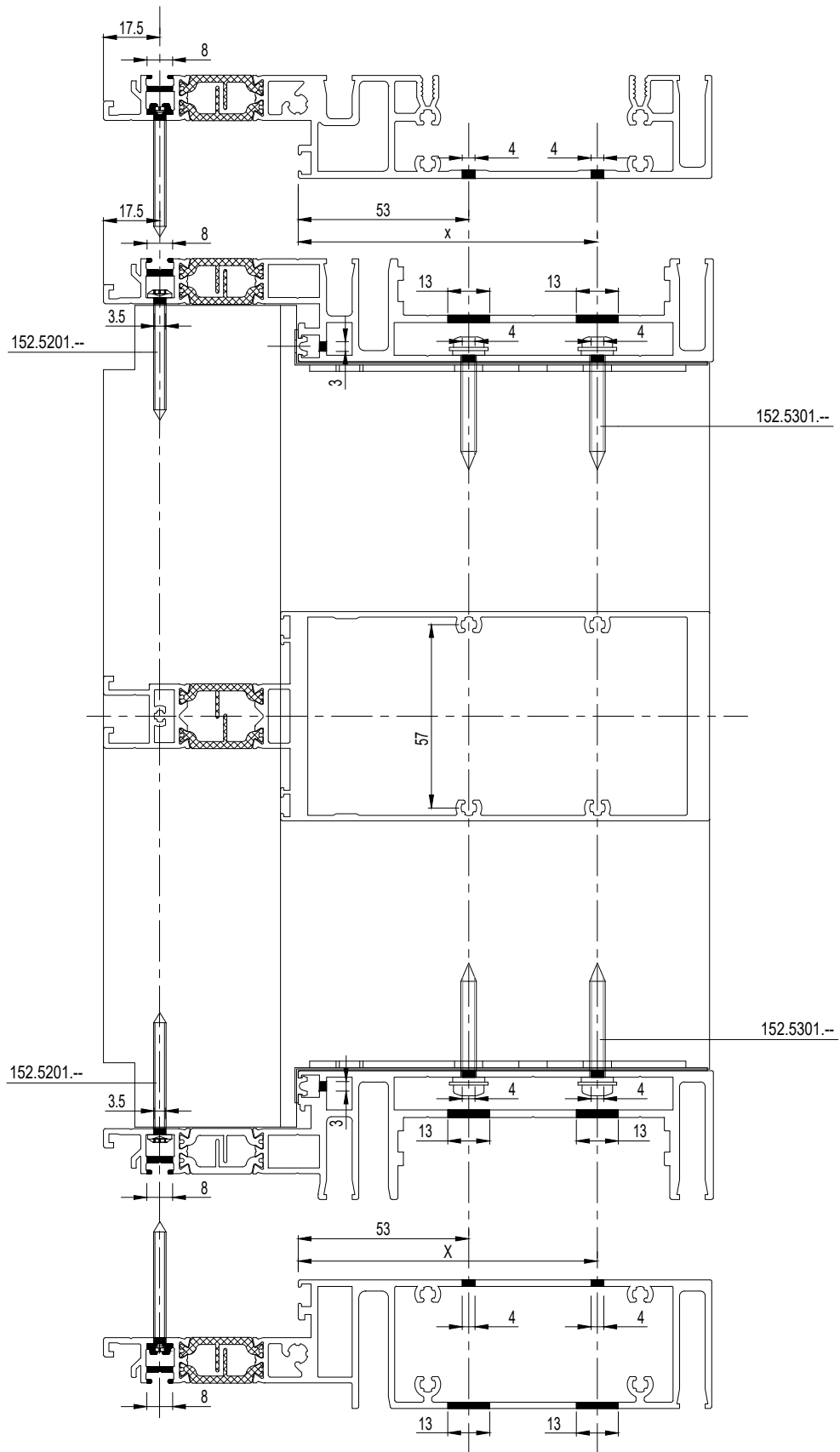
					
-20 mm	C07.1510.XX	C07.1585.XX	C62.1412.04	  2 x 152.5301.--	113.8
-10 mm	C07.2510.XX	C07.2585.XX	C62.2412.04		123.8
STANDARD	107.0510.XX	107.0585.XX	162.9412.04		133.8
+10 mm	C07.3510.XX	C07.3585.XX	C62.3412.04		143.8
+20 mm	C07.4510.XX	C07.4585.XX	C62.4412.04		153.8
+30 mm	C07.5510.XX	C07.5585.XX	C62.5412.04		163.8

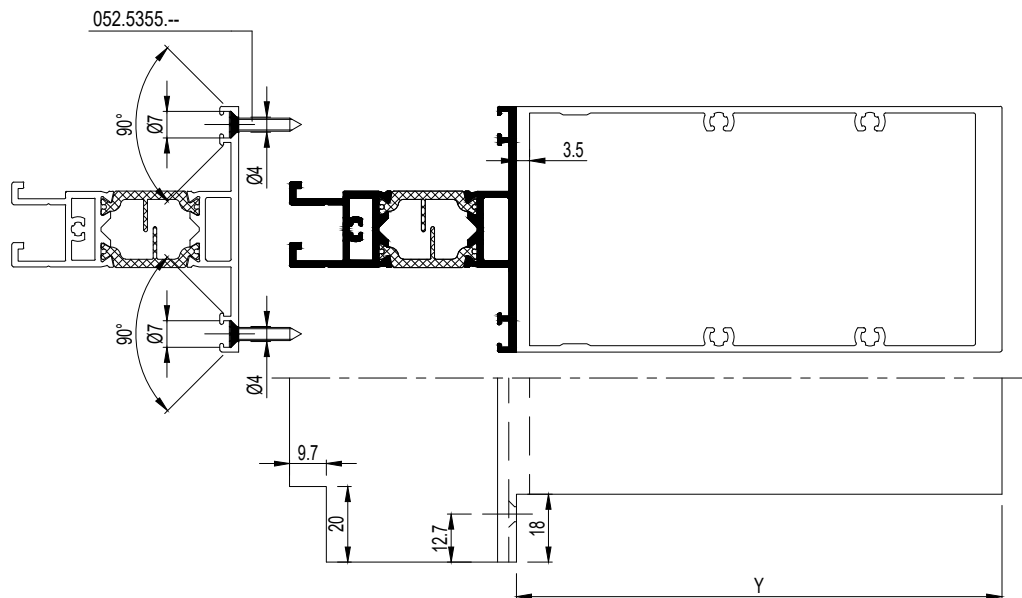


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

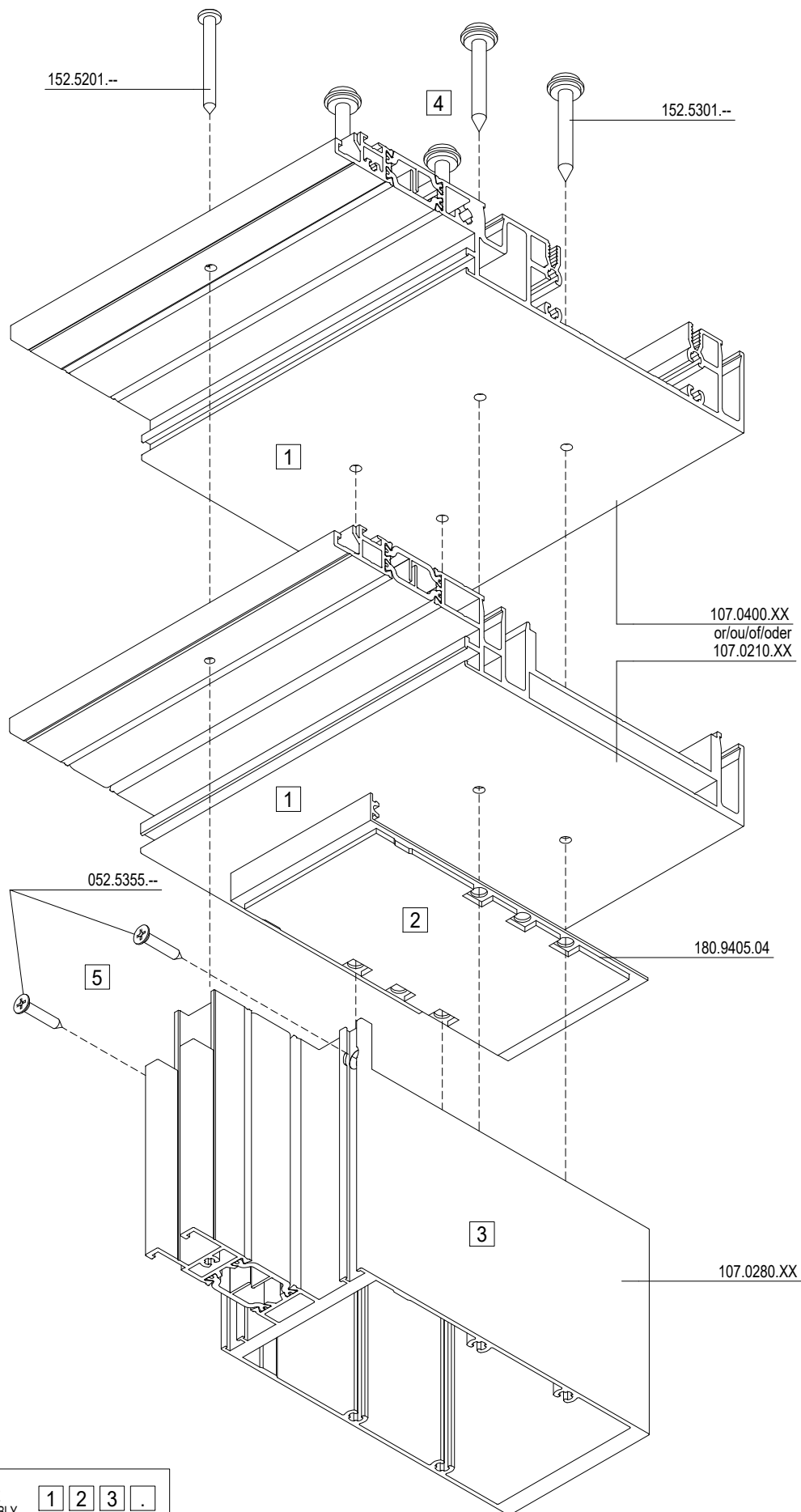
1 2 3 .

schaal - échelle
scale - Maßstab
1/2





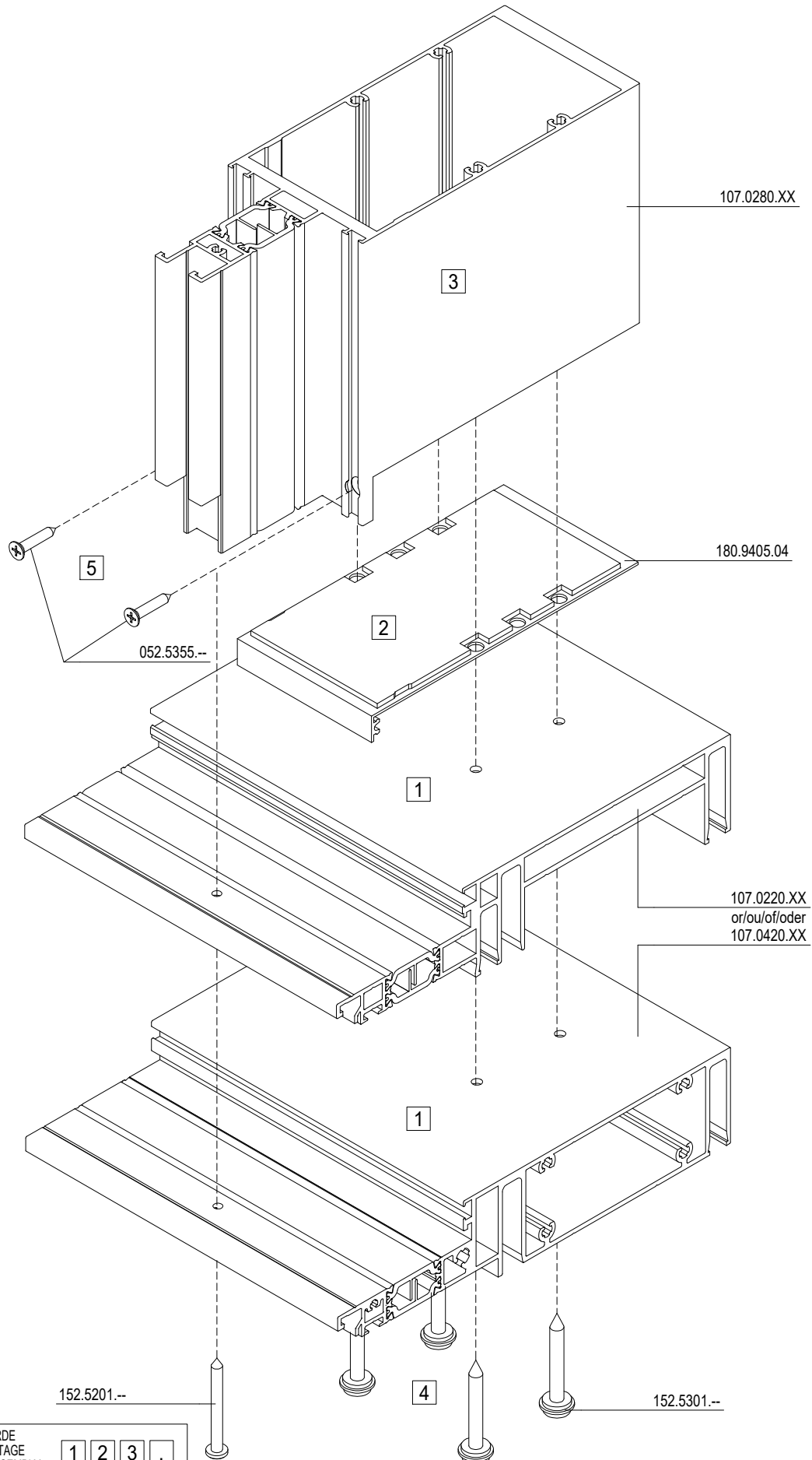
								X	Y
-20 mm	C07.1210XX	C07.1220.XX	C07.1400.XX	C07.1420.XX	C07.1280.XX	C80.1405.04		73	108.4
	C07.1211.XX	C07.1221.XX	C07.1401.XX	C07.1421.XX	C07.1281.XX			83	118.4
	C07.1212.XX	C07.1222.XX	C07.1402.XX	C07.1422.XX	C07.1282.XX			93	128.4
-10 mm	C07.2210XX	C07.2220.XX	C07.2400.XX	C07.2420.XX	C07.2280.XX	C80.2405.04		83	118.4
	C07.2211.XX	C07.2221.XX	C07.2401.XX	C07.2421.XX	C07.2281.XX			93	128.4
	C07.2212.XX	C07.2222.XX	C07.2402.XX	C07.2422.XX	C07.2282.XX			103	138.4
STANDARD	107.0210XX	107.0220.XX	107.0400.XX	107.0420.XX	107.0280.XX	180.9405.04		93	128.4
	107.0211.XX	107.0221.XX	107.0401.XX	107.0421.XX	107.0281.XX			103	138.4
	107.0212.XX	107.0222.XX	107.0402.XX	107.0422.XX	107.0282.XX			113	148.4
+10 mm	C07.3210XX	C07.3220.XX	C07.3400.XX	C07.3420.XX	C07.3280.XX	C80.3405.04		103	138.4
	C07.3211.XX	C07.3221.XX	C07.3401.XX	C07.3421.XX	C07.3281.XX			113	148.4
	C07.3212.XX	C07.3222.XX	C07.3402.XX	C07.3422.XX	C07.3282.XX			123	158.4
+20 mm	C07.4210XX	C07.4220.XX	C07.4400.XX	C07.4420.XX	C07.4280.XX	C80.4405.04		113	148.4
	C07.4211.XX	C07.4221.XX	C07.4401.XX	C07.4421.XX	C07.4281.XX			123	158.4
	C07.4212.XX	C07.4222.XX	C07.4402.XX	C07.4422.XX	C07.4282.XX			133	168.4
+30 mm	C07.5210XX	C07.5220.XX	C07.5400.XX	C07.5420.XX	C07.5280.XX	C80.5405.04		123	158.4
	C07.5211.XX	C07.5221.XX	C07.5401.XX	C07.5421.XX	C07.5281.XX			133	168.4
	C07.5212.XX	C07.5222.XX	C07.5402.XX	C07.5422.XX	C07.5282.XX			143	178.4



MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

1 2 3 .

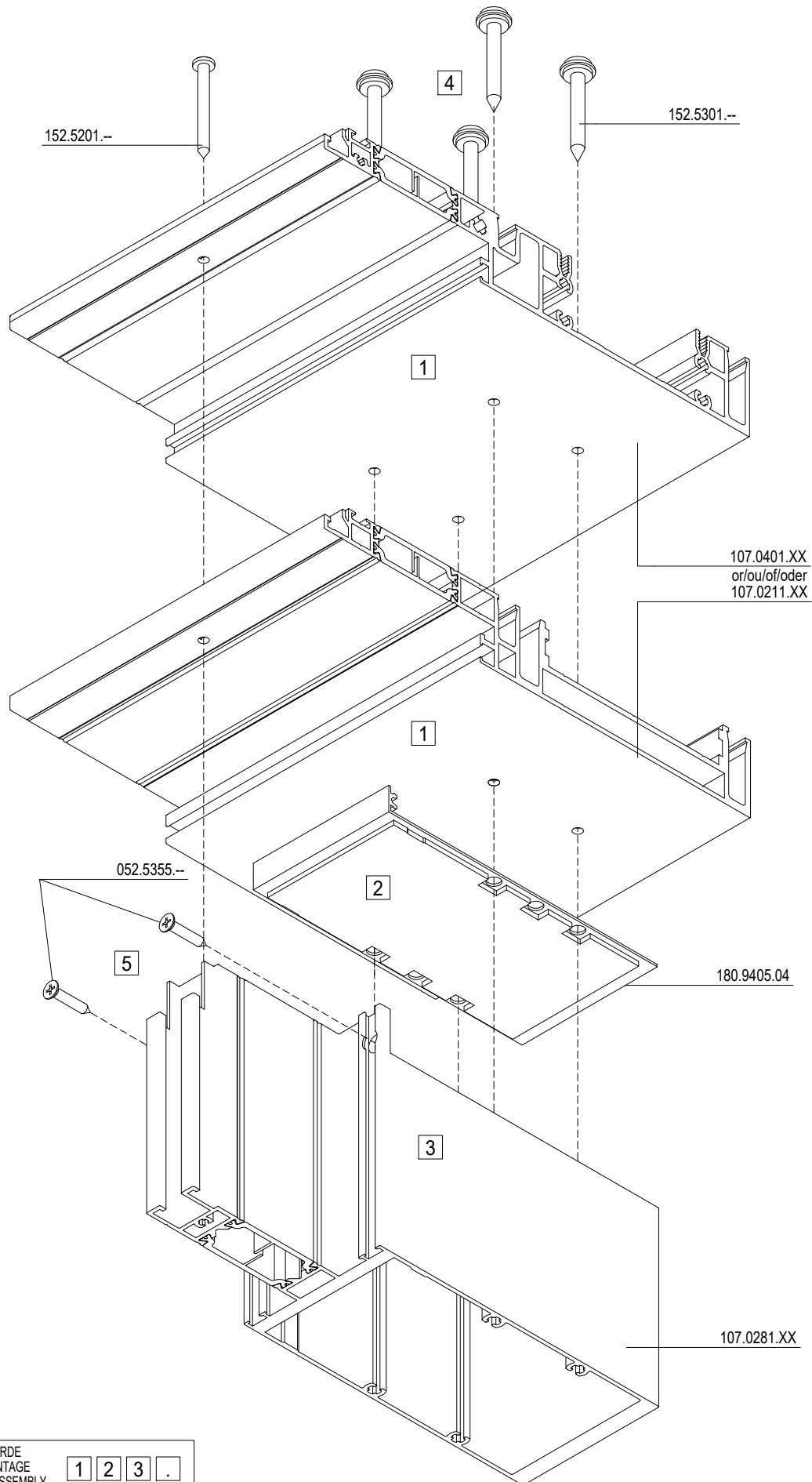
schaal - échelle
 scale - Maßstab
 1/2



MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

1 2 3 .

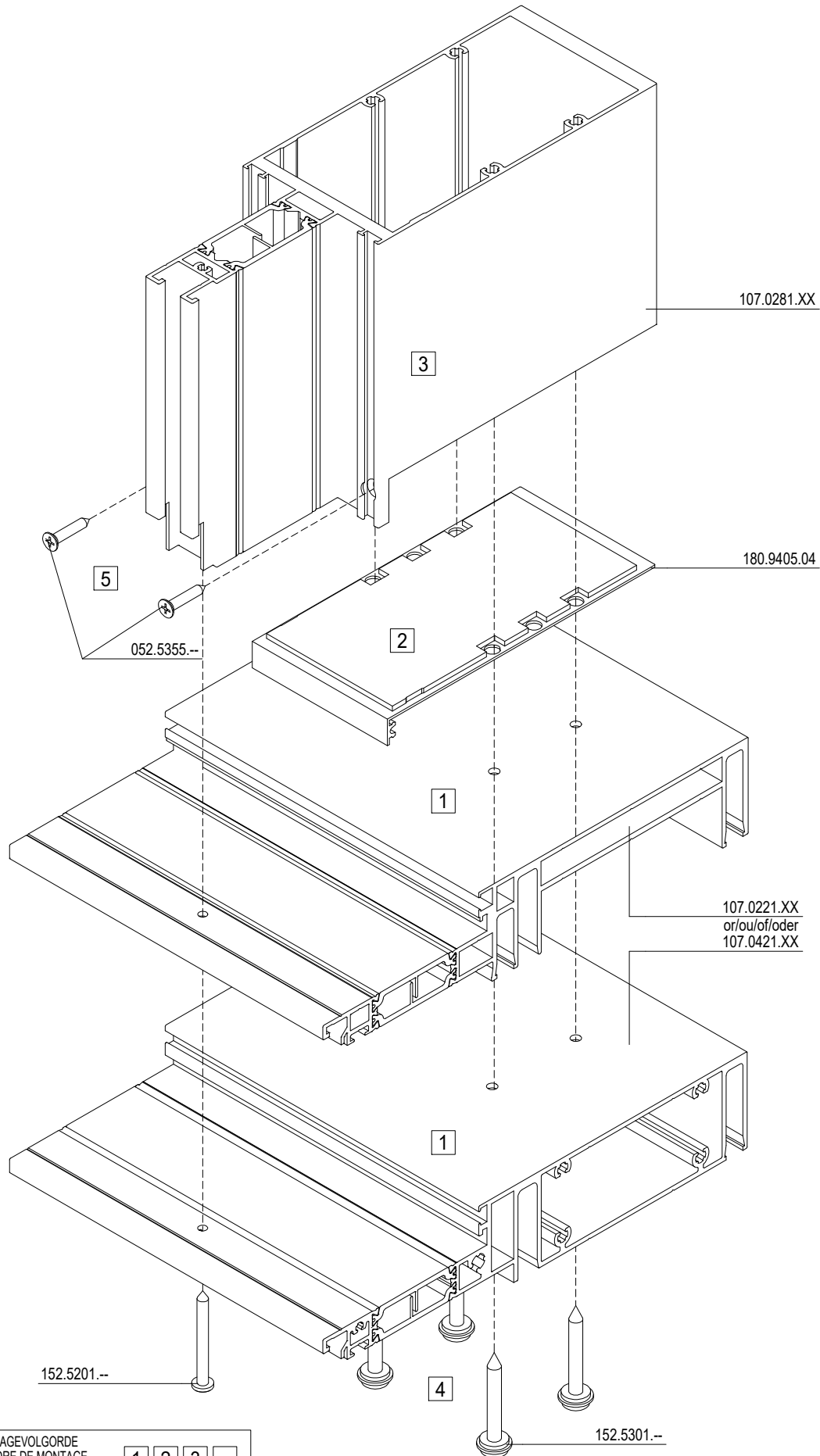
schaal - échelle
 scale - Maßstab
 1/2



MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

1 2 3 .

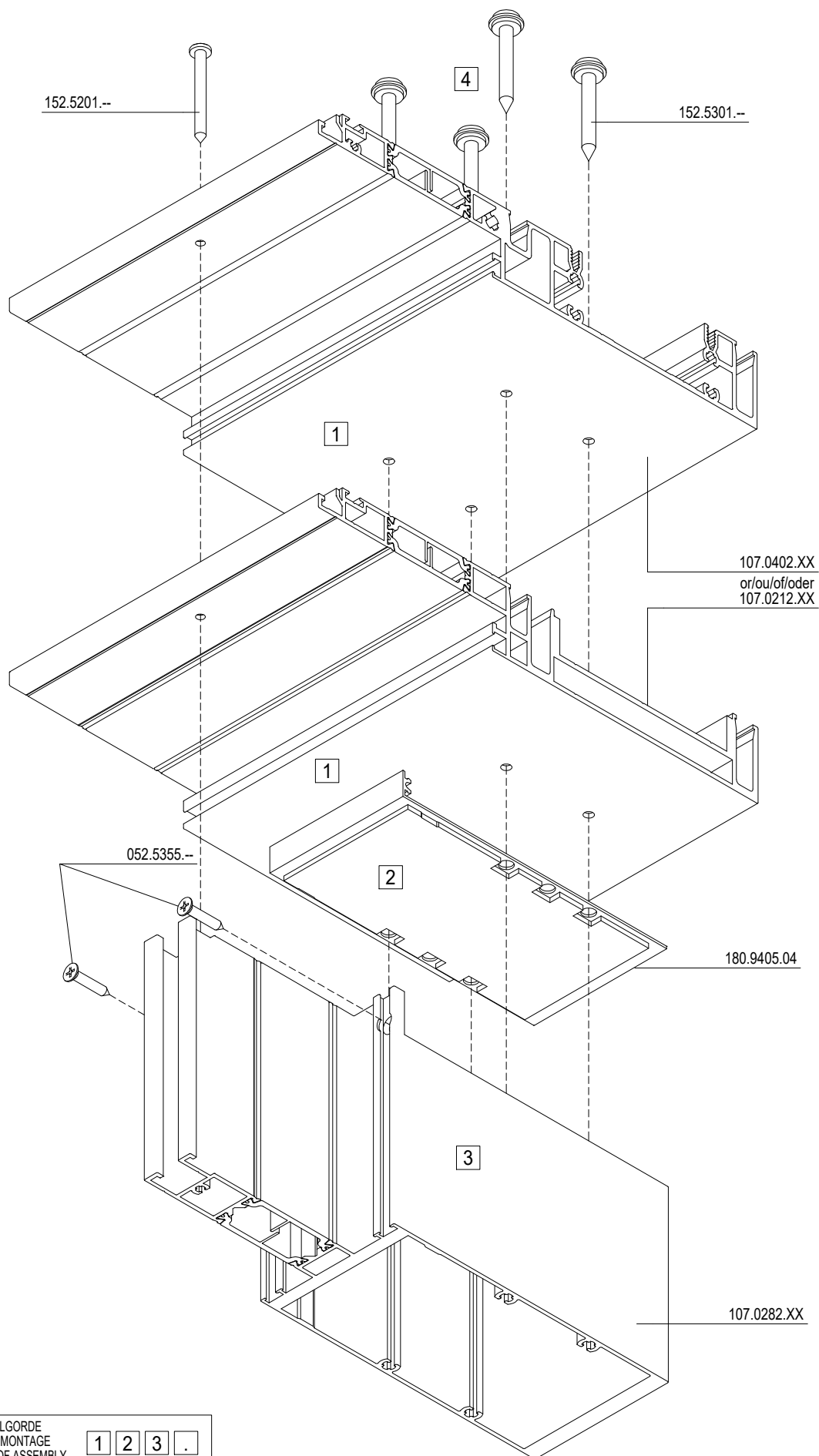
schaal - échelle
 scale - Maßstab
 1/2



MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

1 2 3 .

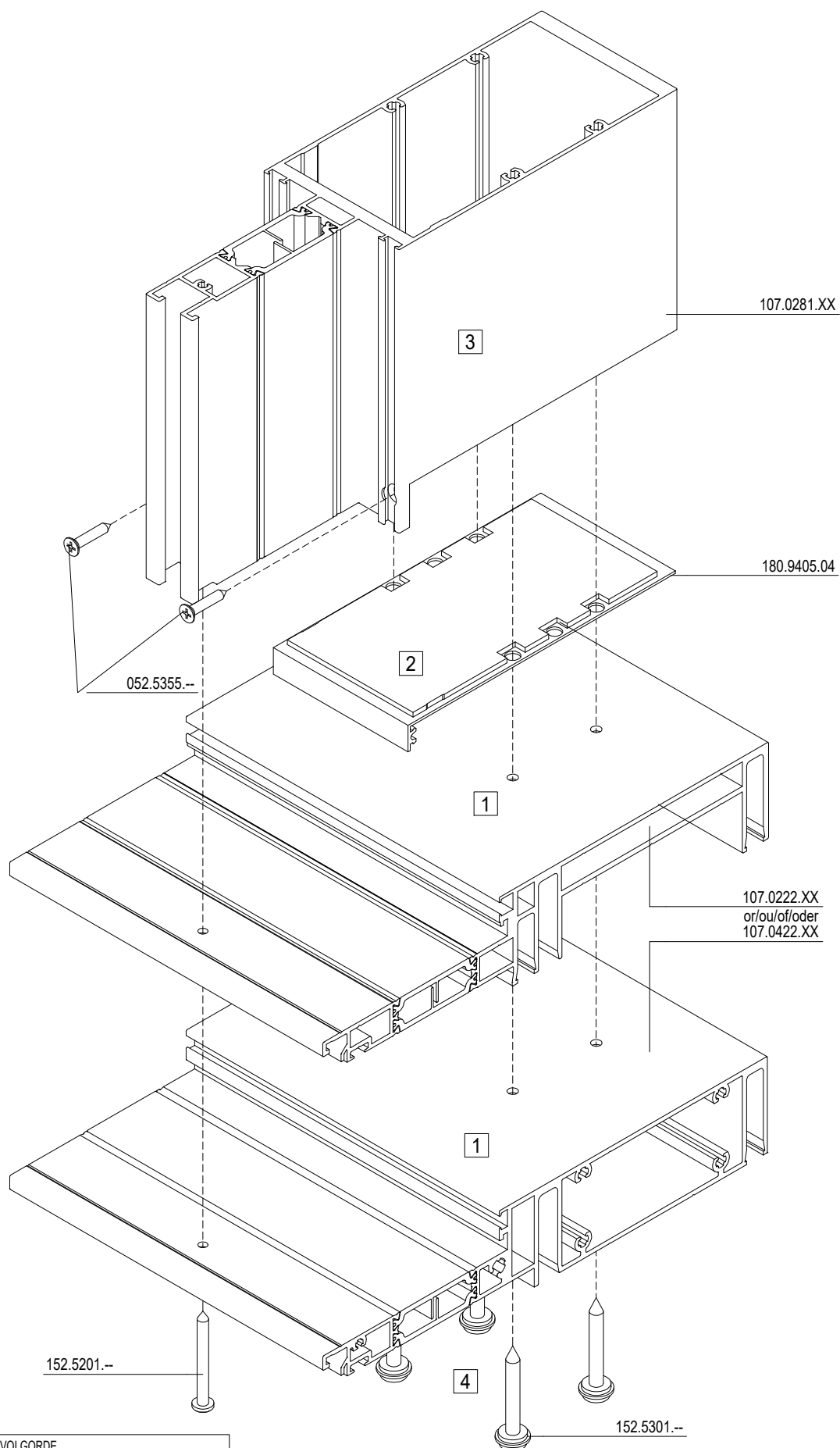
schaal - échelle
 scale - Maßstab
 1/2



MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

1 2 3 .

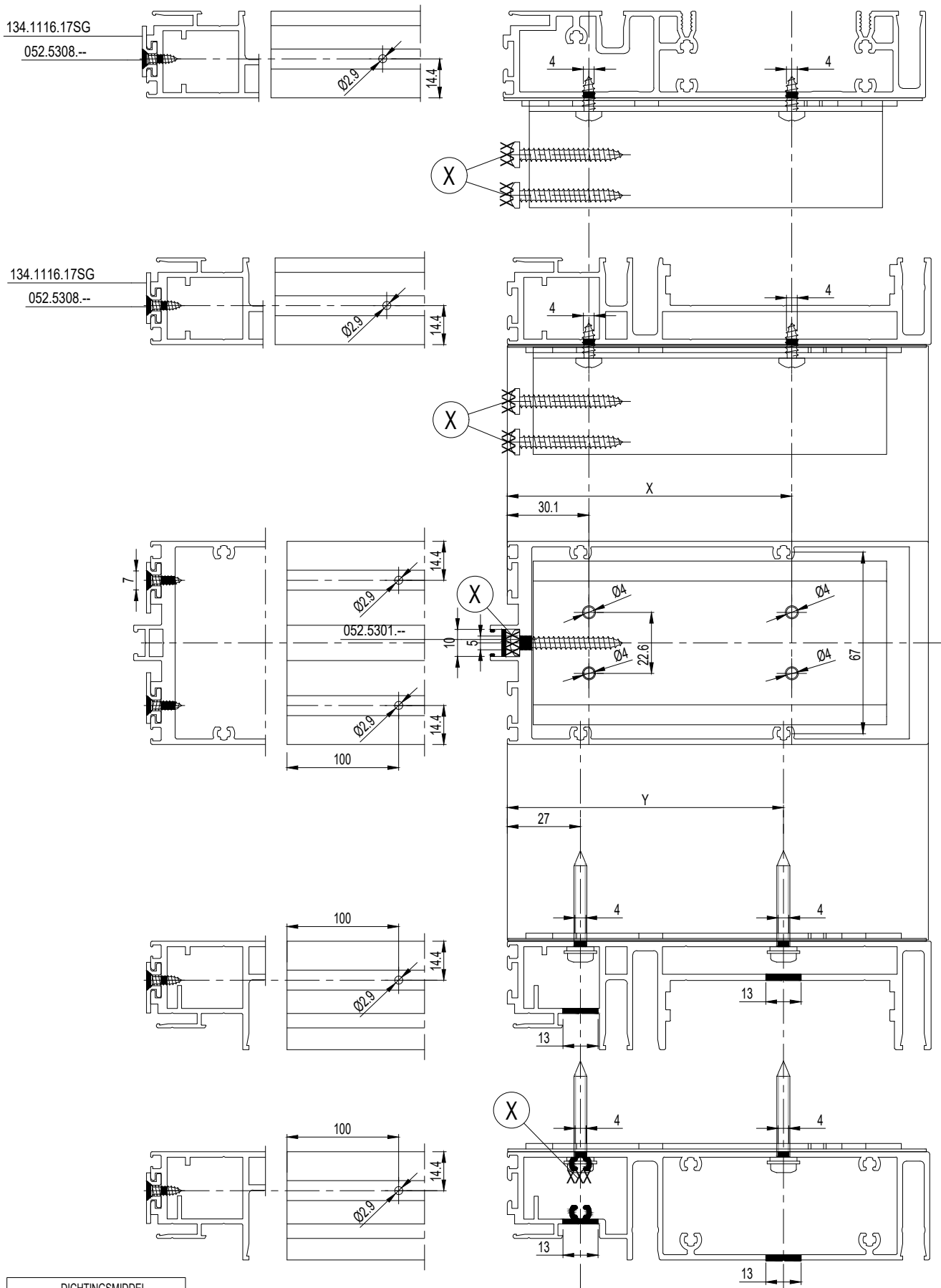
schaal - échelle
 scale - Maßstab
 1/2



MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

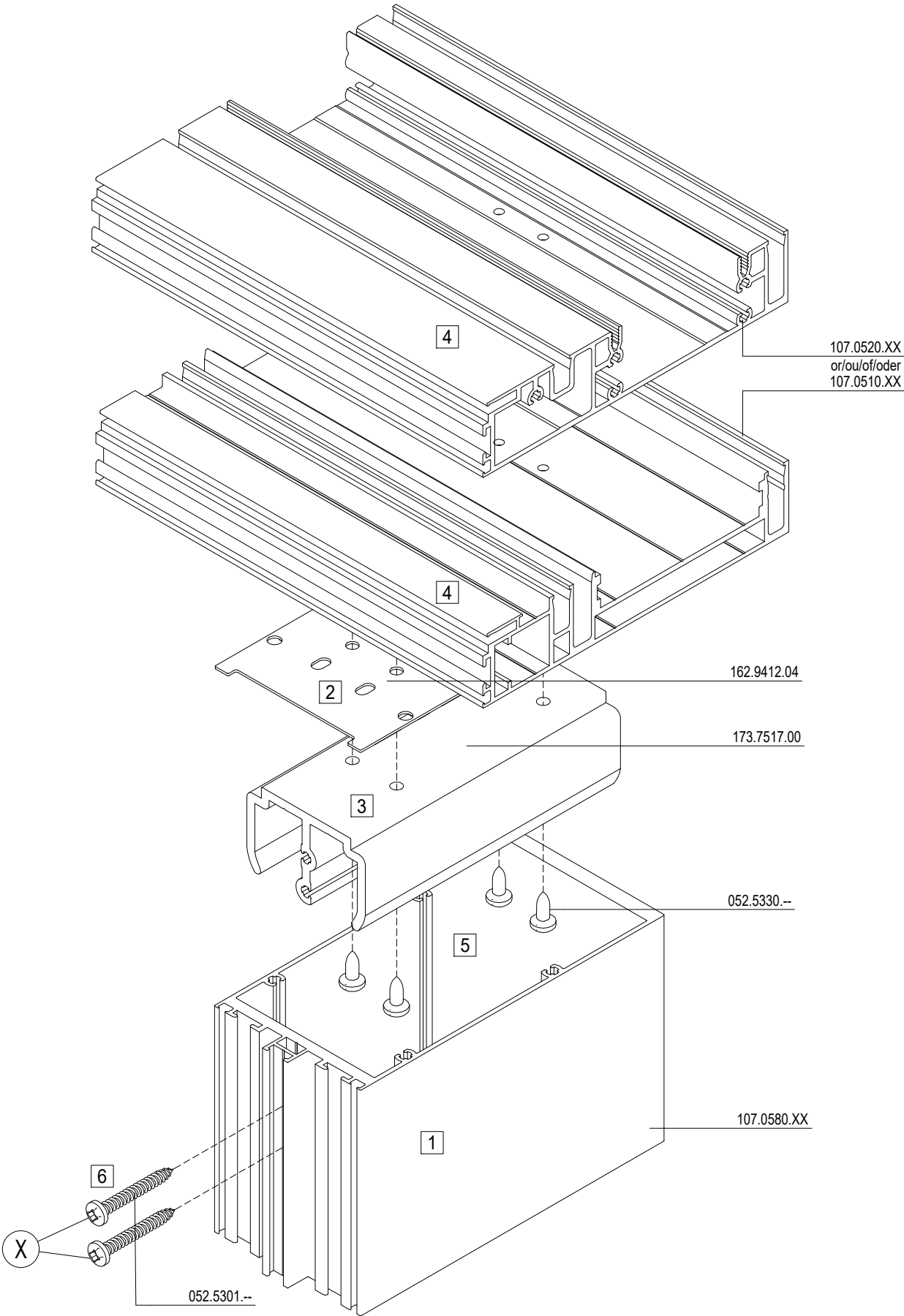
1 2 3 .

schaal - échelle
 scale - Maßstab
 1/2



							X
-20 mm	C07.1510.XX	C07.1520.XX	C07.1580.XX	C80.1405.04	C73.1517.00	    4 x 052.5330.--	85.1
-10 mm	C07.2510.XX	C07.2520.XX	C07.2580.XX	C80.2405.04	C73.2517.00		95.1
STANDARD	107.0510.XX	107.0520.XX	107.0580.XX	162.9412.04	173.7517.00		105.1
+10 mm	C07.3510.XX	C07.3520.XX	C07.3580.XX	C80.3405.04	C73.3517.00		115.1
+20 mm	C07.4510.XX	C07.4520.XX	C07.4580.XX	C80.4405.04	C73.4517.00		125.1
+30 mm	C07.5510.XX	C07.5520.XX	C07.5580.XX	C80.5405.04	C73.5517.00		135.1

						Y
-20 mm	C07.1501.XX	C07.1521.XX	C07.1580.XX	C80.1405.04	    4 x 152.5301.--	92
-10 mm	C07.2501.XX	C07.2521.XX	C07.2580.XX	C80.2405.04		97
STANDARD	107.0501.XX	107.0521.XX	107.0580.XX	162.9412.04		102
+10 mm	C07.3501.XX	C07.3521.XX	C07.3580.XX	C80.3405.04		107
+20 mm	C07.4501.XX	C07.4521.XX	C07.4580.XX	C80.4405.04		112
+30 mm	C07.5501.XX	C07.5521.XX	C07.5580.XX	C80.5405.04		117

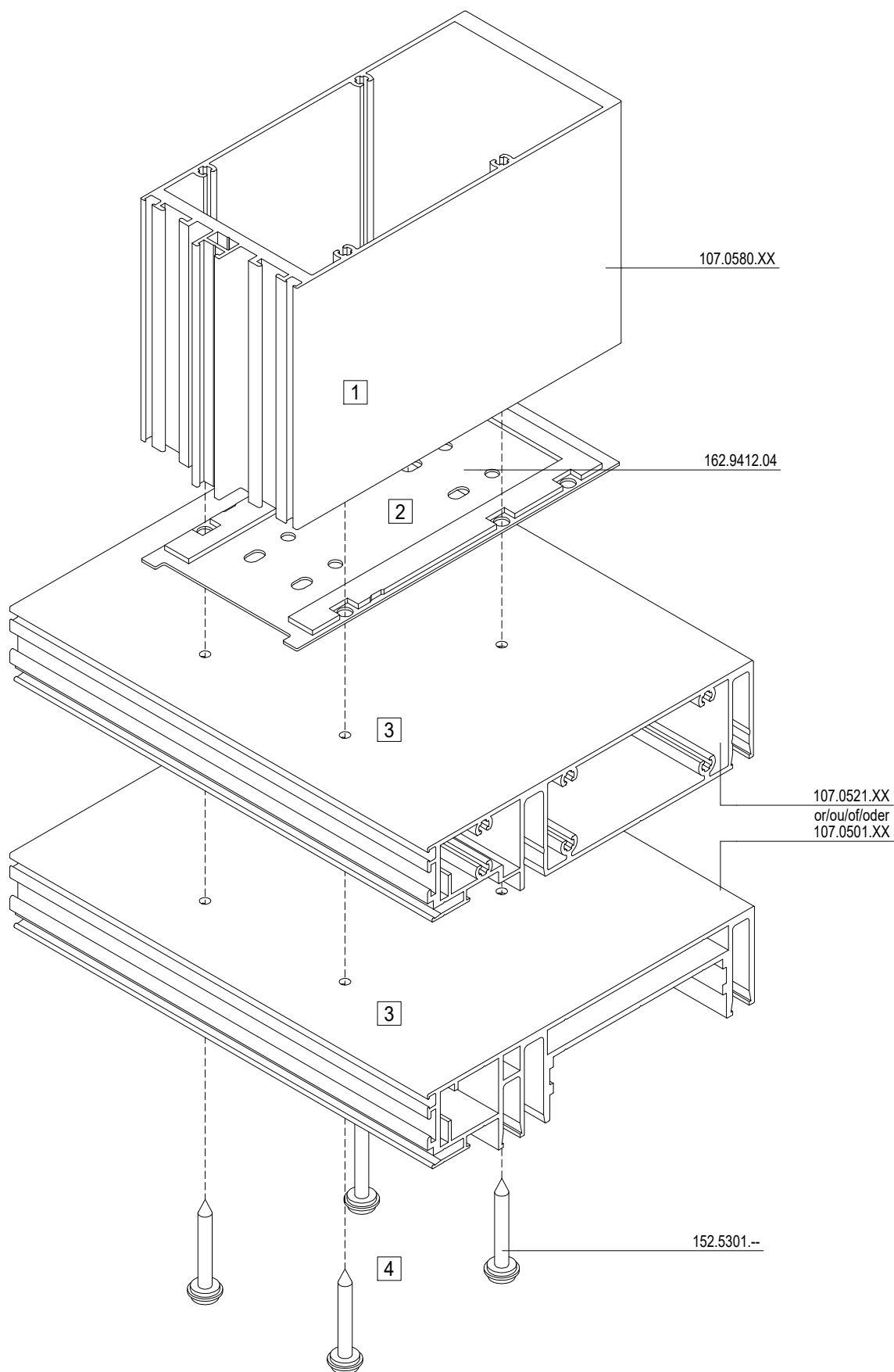


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

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

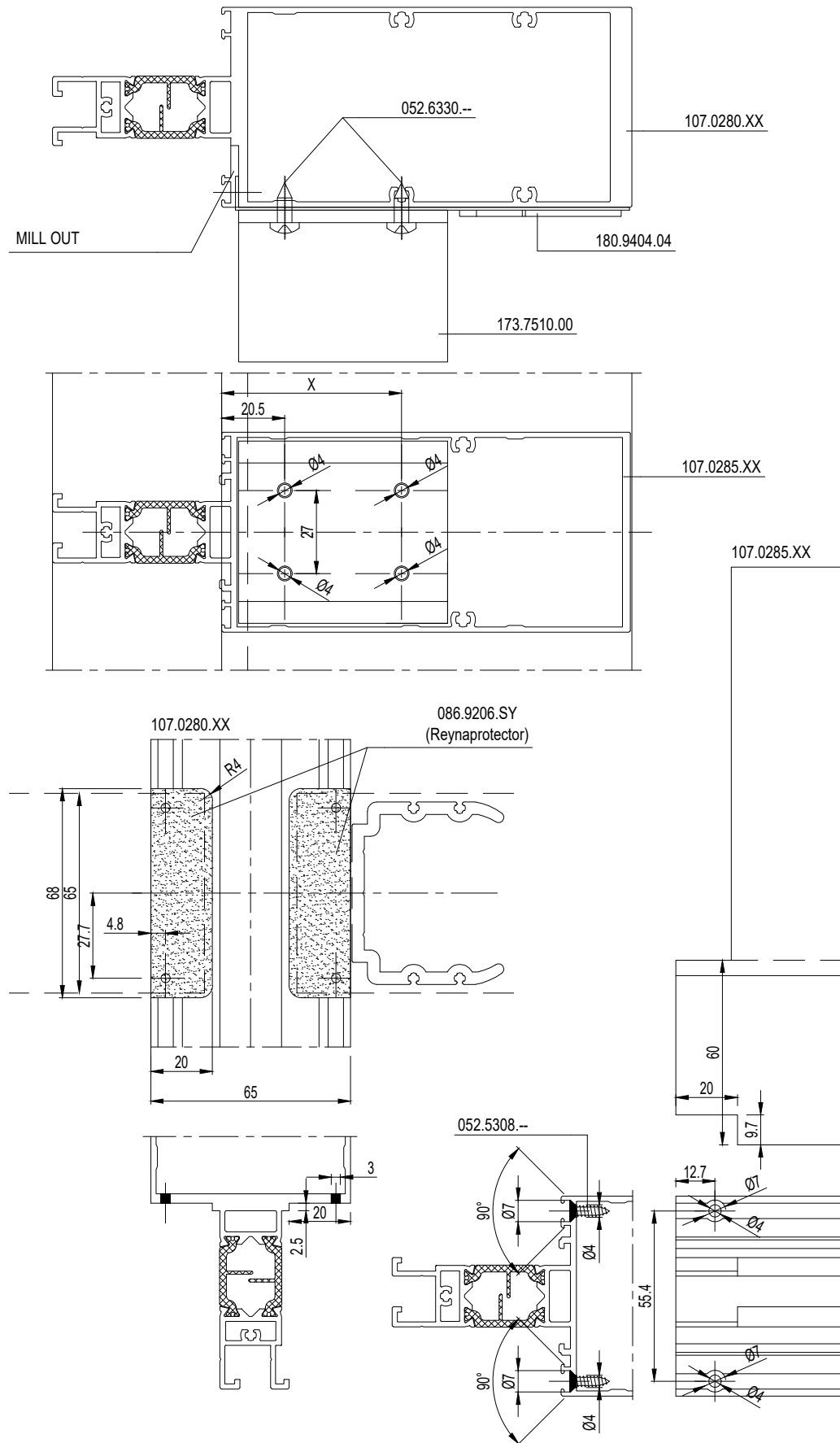
schaal - échelle
scale - Maßstab
1/2



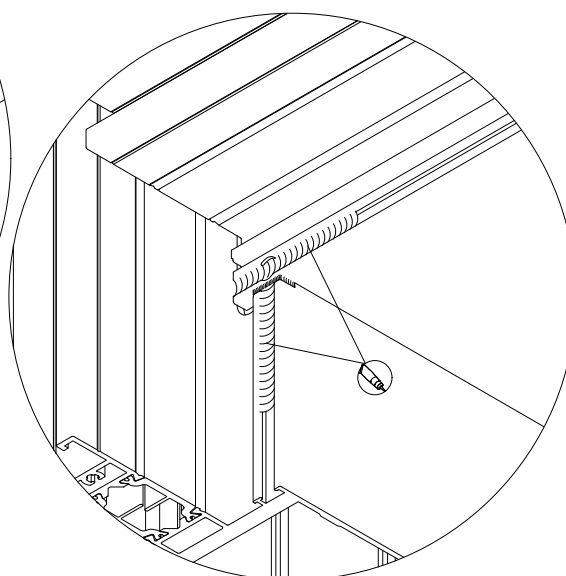
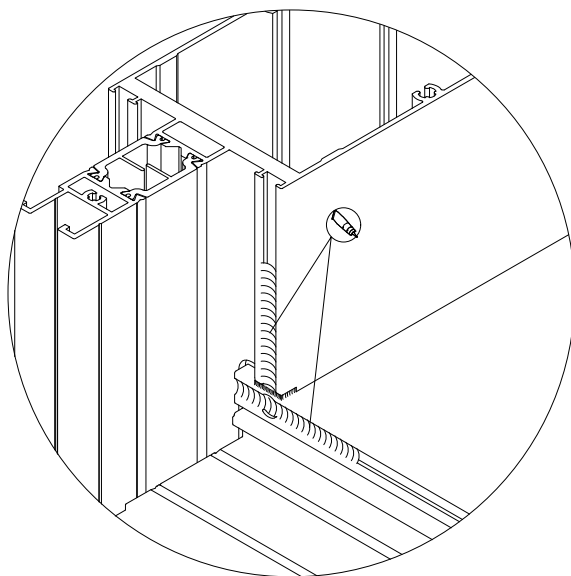
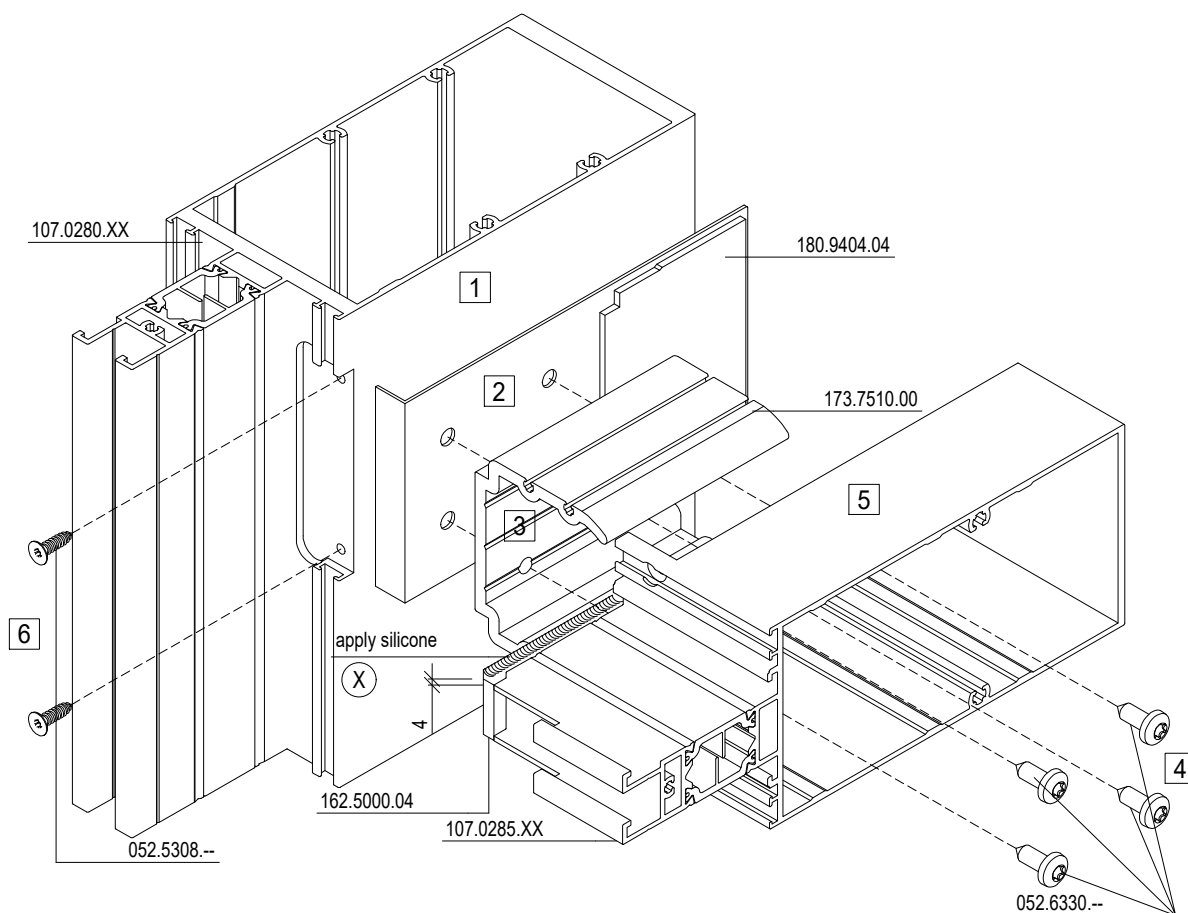
MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

1 2 3 .

schaal - échelle
 scale - Maßstab
 1/2



				X
-20 mm	C07.1285.XX C07.1286.XX C07.1287.XX	C73.1510.00	 4 x 052.6330.--	48,5
-10 mm	C07.2285.XX C07.2286.XX C07.2287.XX	C73.2510.00		53,5
STANDARD	107.0285.XX 107.0286.XX 107.0287.XX	173.7510.00		58,5
+10 mm	C07.3285.XX C07.3286.XX C07.3287.XX	C73.3510.00		63,5
+20 mm	C07.4285.XX C07.4286.XX C07.4287.XX	C73.4510.00		68,5
+30 mm	C07.5285.XX C07.5286.XX C07.5287.XX	C73.5510.00		73,5



DICHTINGSMIDDEL
 MATIERE D'ETANCHEITE
 SEALING AGENT
 ABDICHTUNG

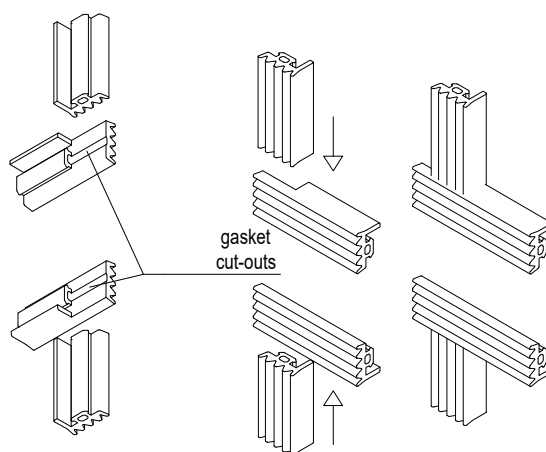
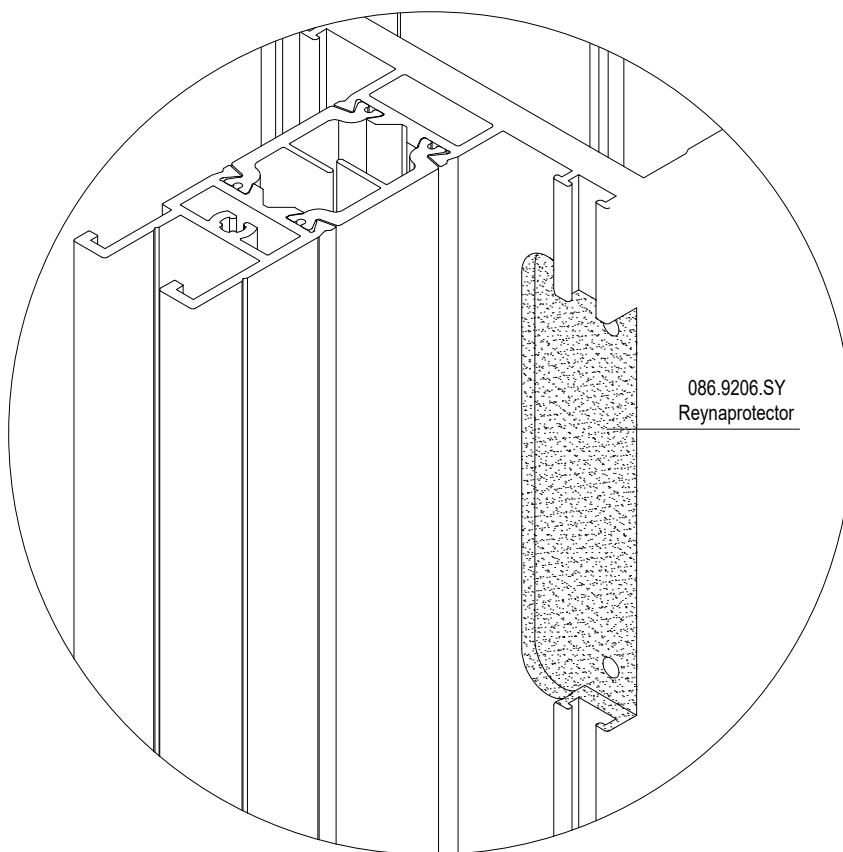


VULCANISEERLIJM
 COLLE VULCANISANTE
 VULCANIZING GLUE
 VULKANISIERKLEBER

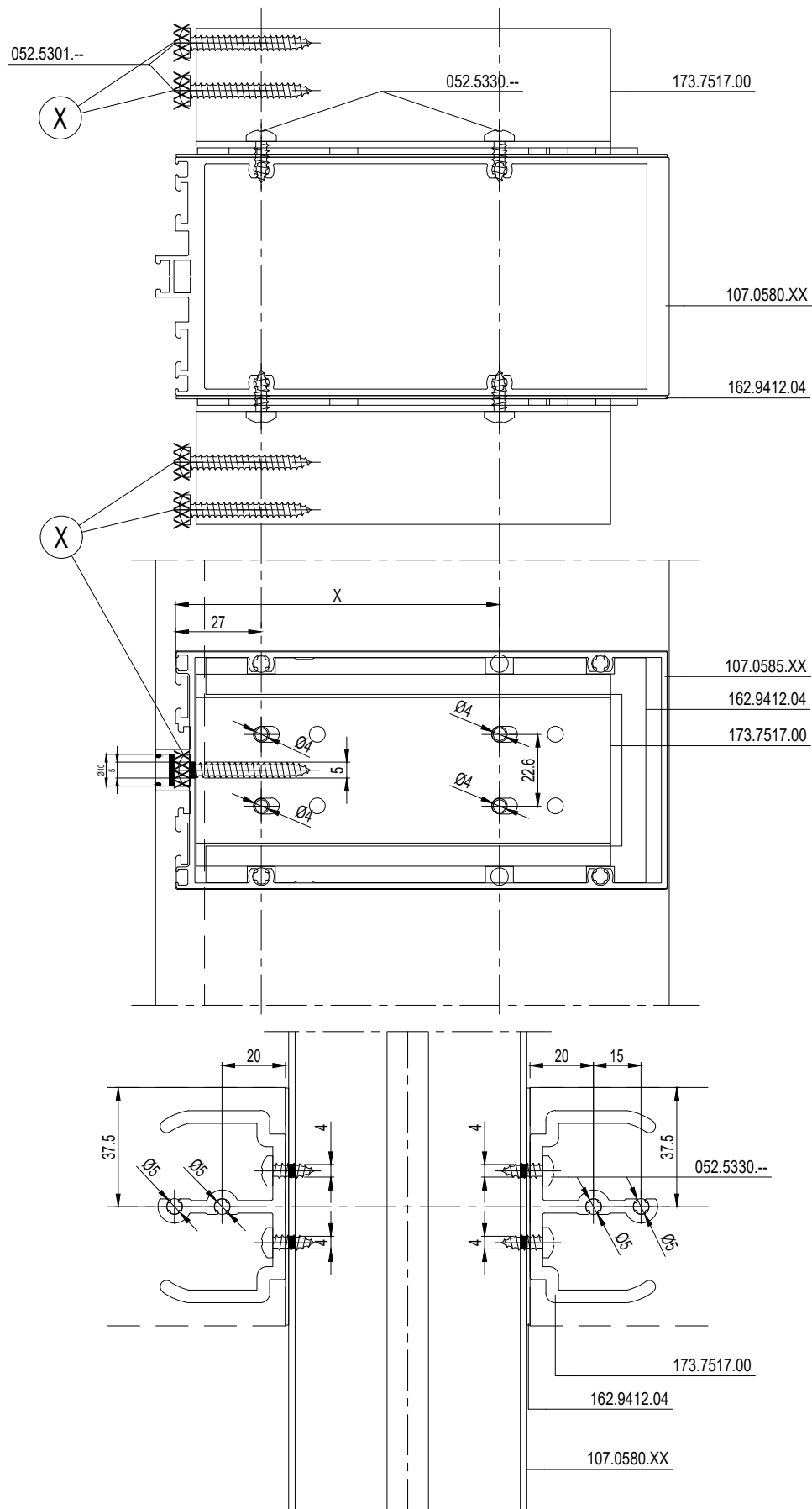
MONTAGEVOLGORDE
 L'ORDRE DE MONTAGE
 THE ORDER OF ASSEMBLY
 MONTAGEREIHENFOLGE

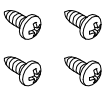
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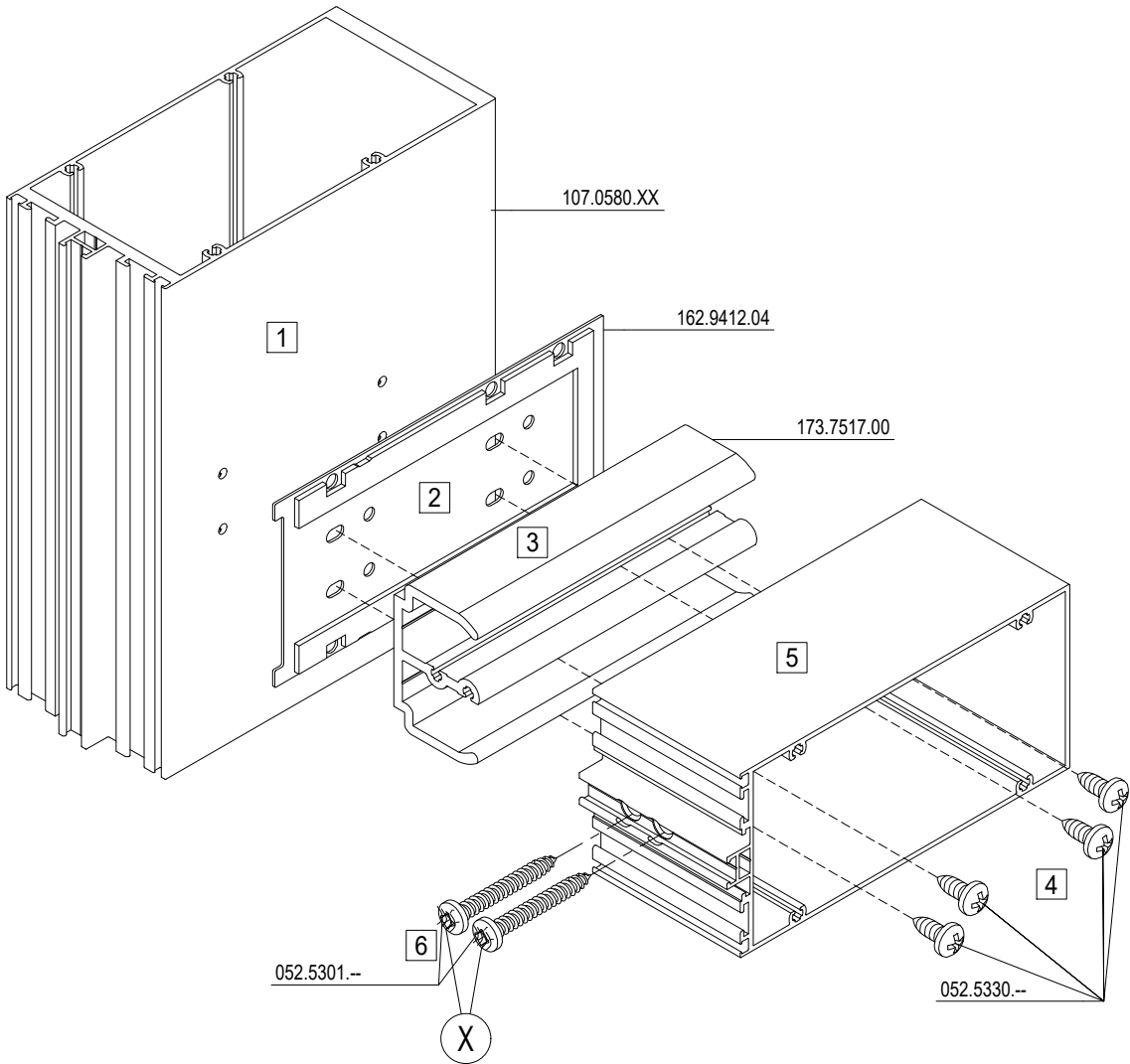
schaal - échelle
 scale - Maßstab
 1/2



		
3.5 - 3.5mm	080.9815.SY	180.9863.04
5.5 - 5.5mm	080.9871.04	180.9865.04
9 - 9mm	080.9810.SY	-
11 - 11mm	080.9876.04	180.9873.04
13 - 13mm	080.9812.04	-



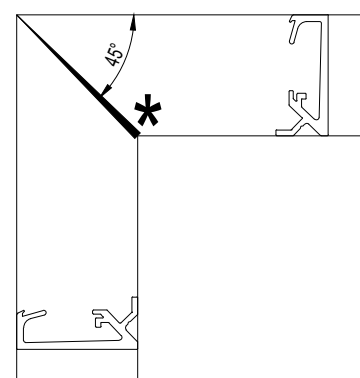
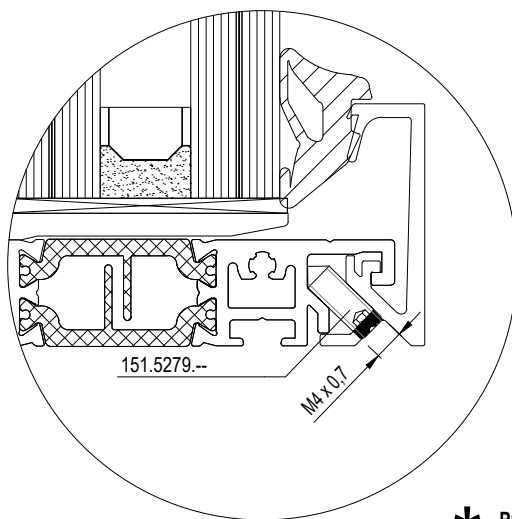
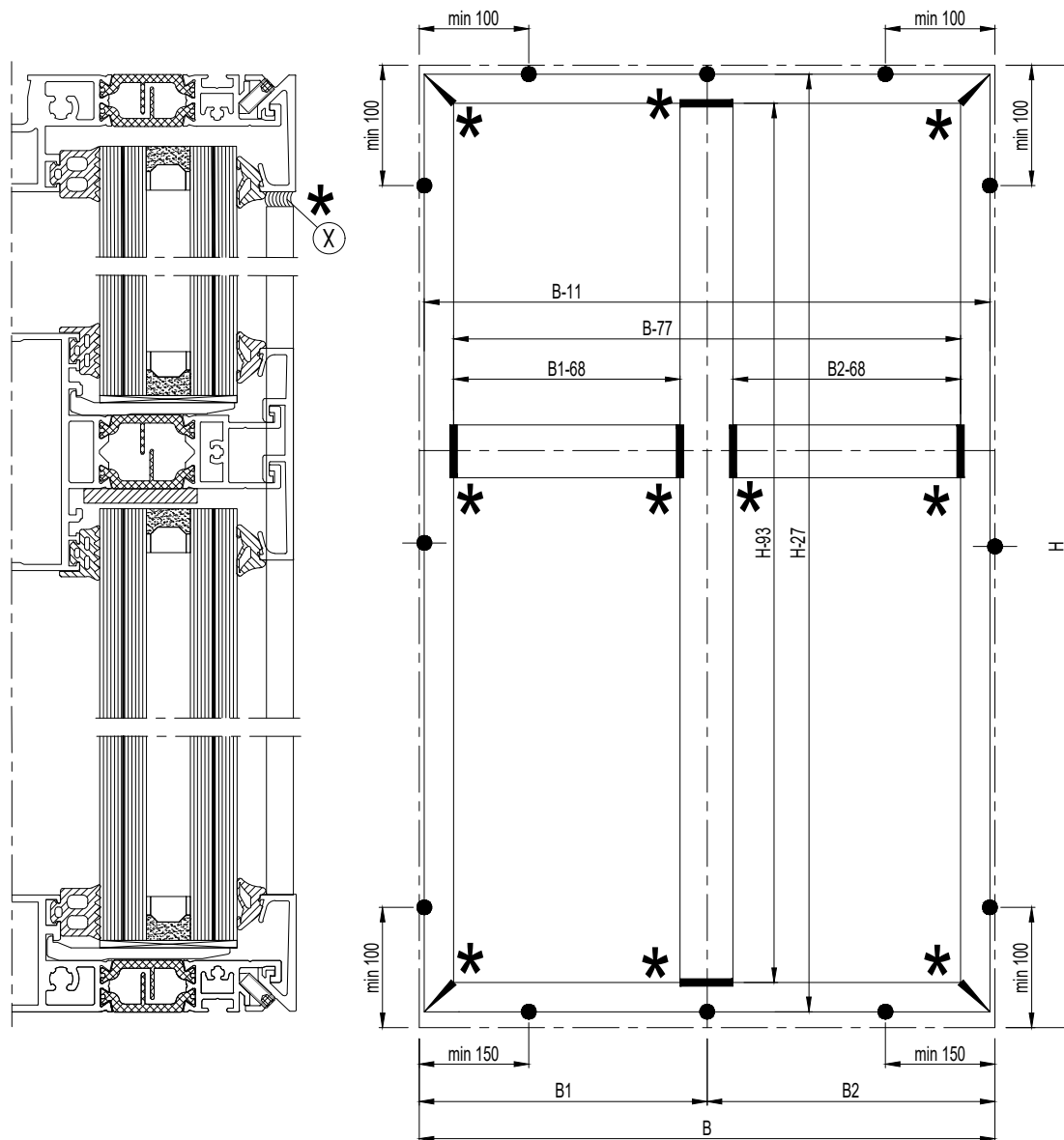
				X
-20 mm	C07.1585.XX	C73.1517.00	 4 x 052.5330.--	82
-10 mm	C07.2585.XX	C73.2517.00		92
STANDARD	107.0585.XX	173.7517.00		102
+10 mm	C07.3585.XX	C73.3517.00		112
+20 mm	C07.4585.XX	C73.4517.00		122
+30 mm	C07.5585.XX	C73.5517.00		132



(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 2 3 .



Provide gap for thermal expansion.

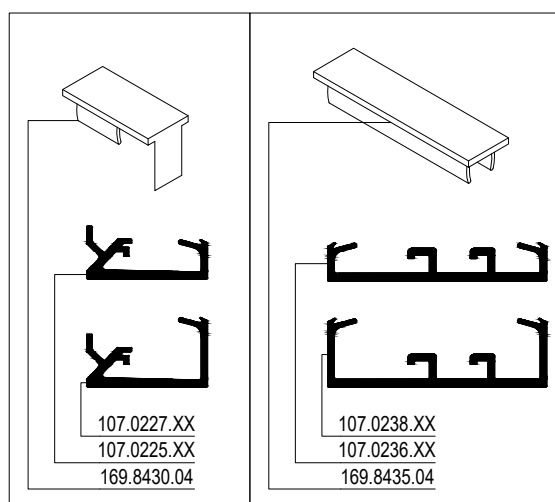
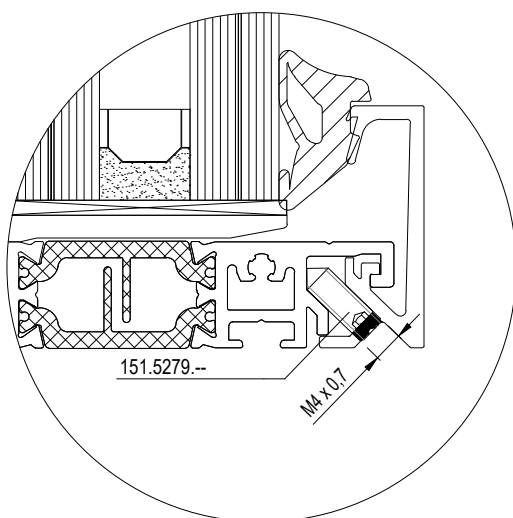
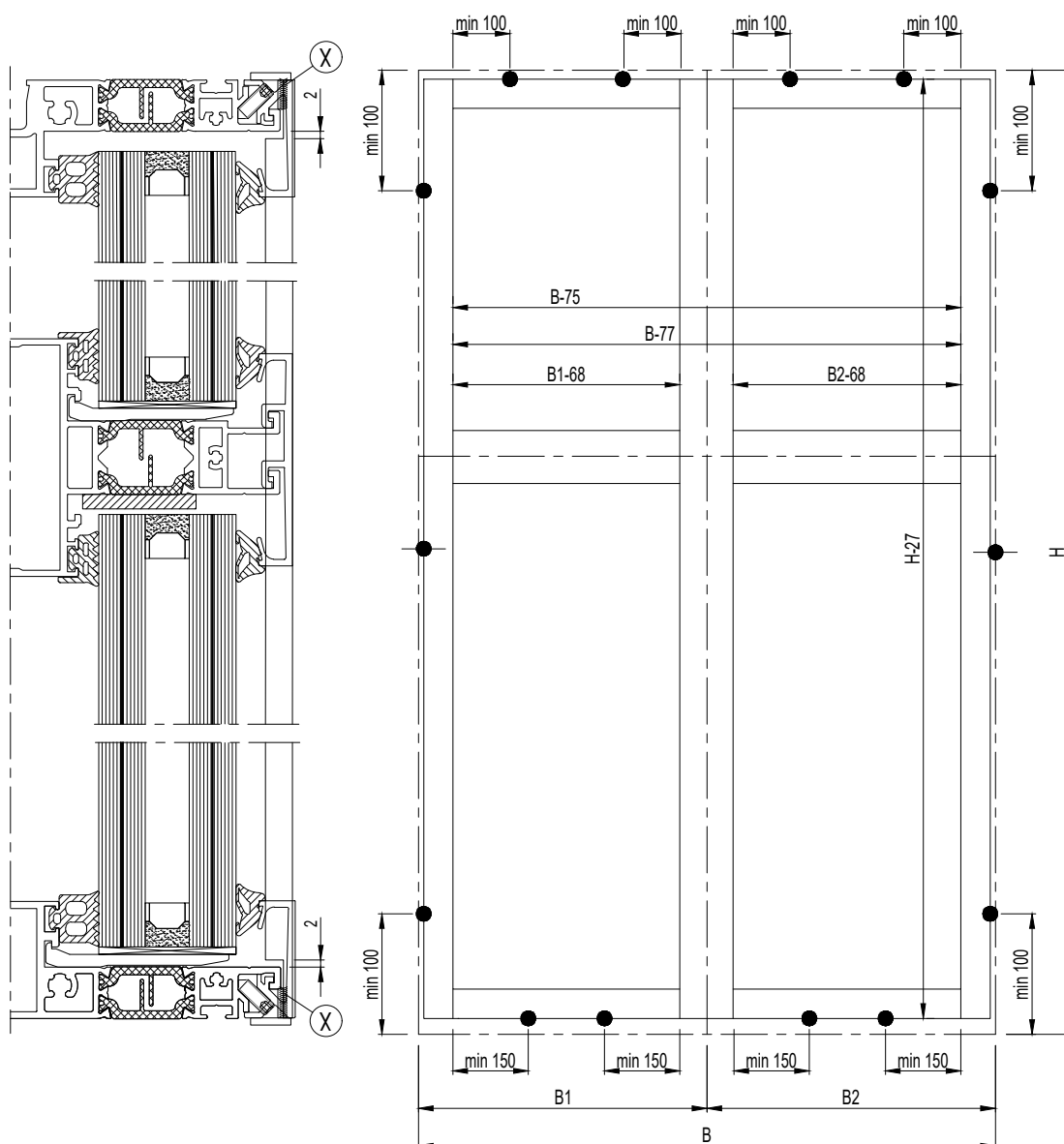
Guideline: 1mm gap per 1m length of the profile of the glazing bead.

ATTENTION!

If the gap exceeds 1,5mm - seal off with silicone.

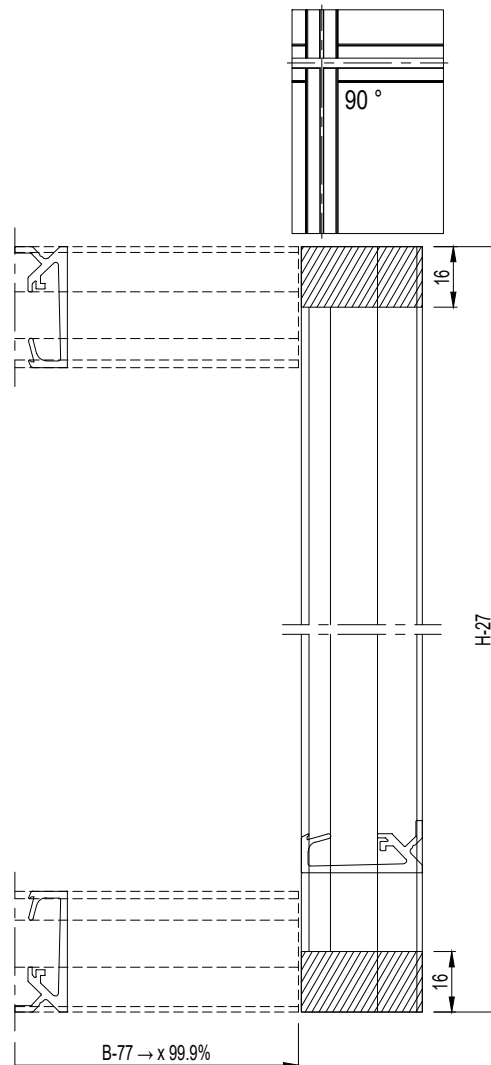
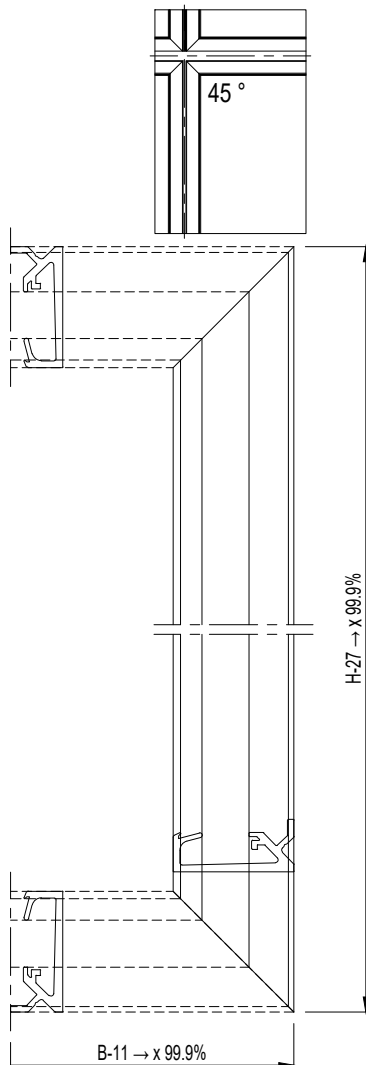
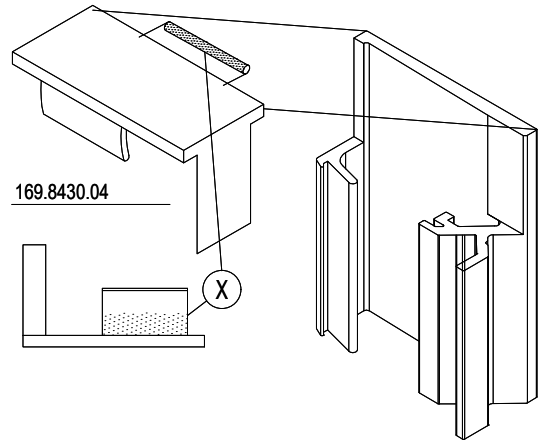
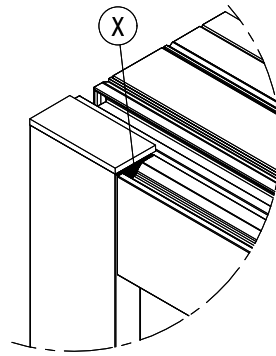
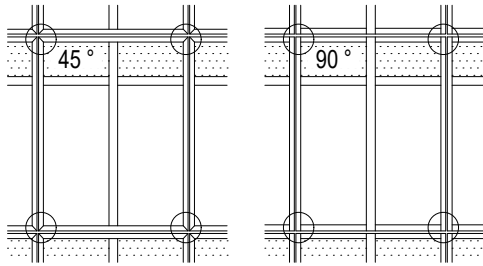


DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG



(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2



107.0225.XX

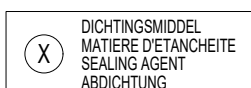
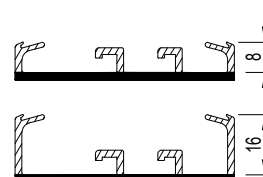
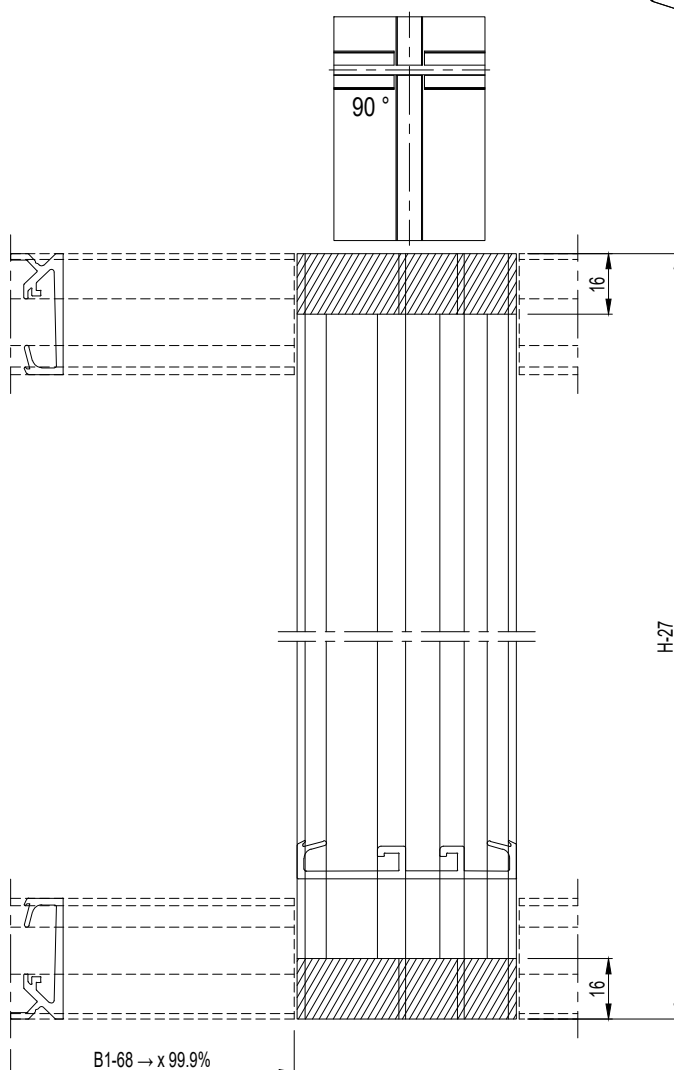
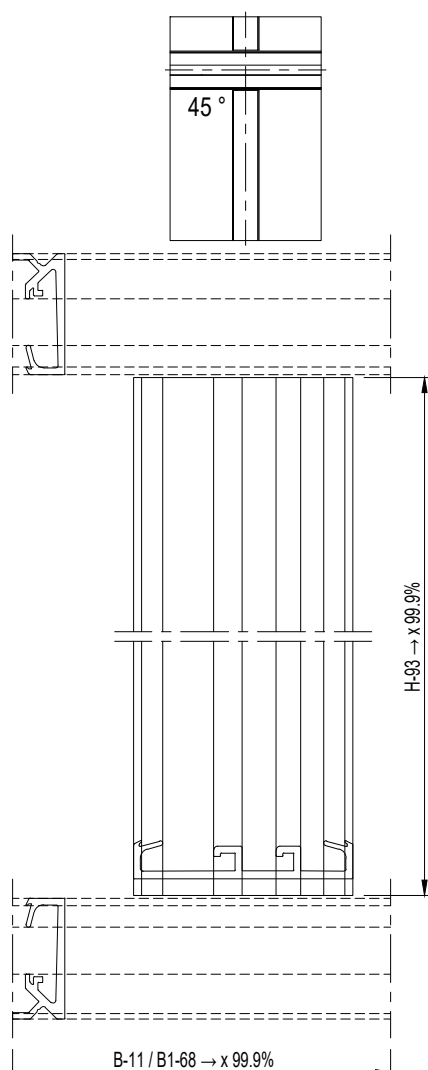
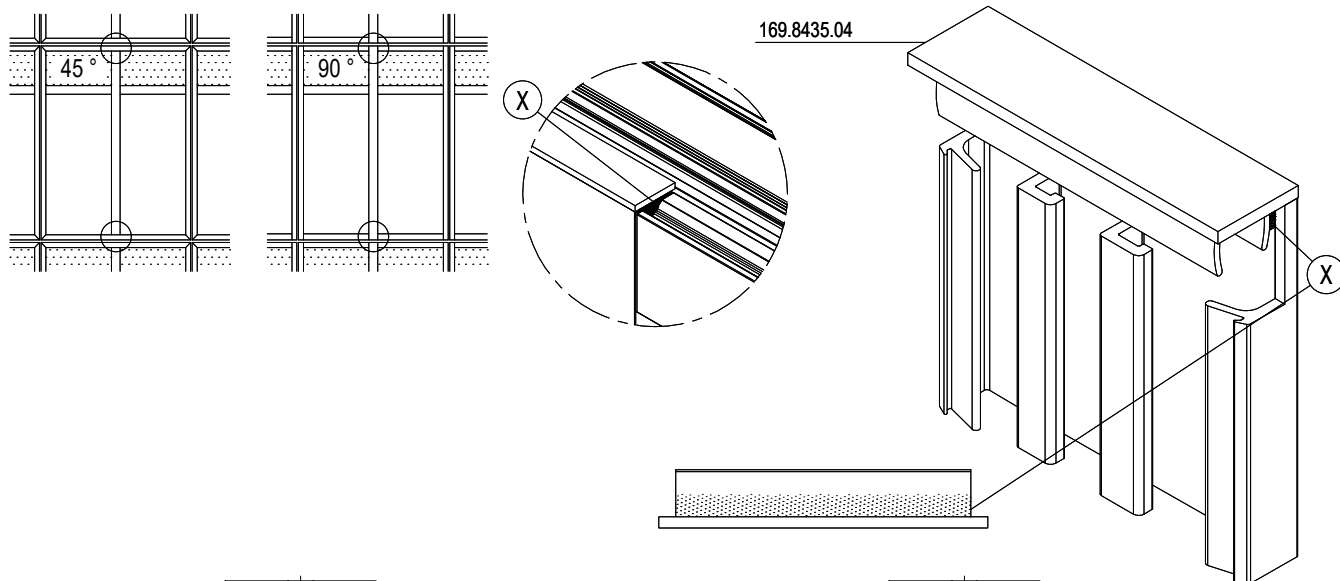


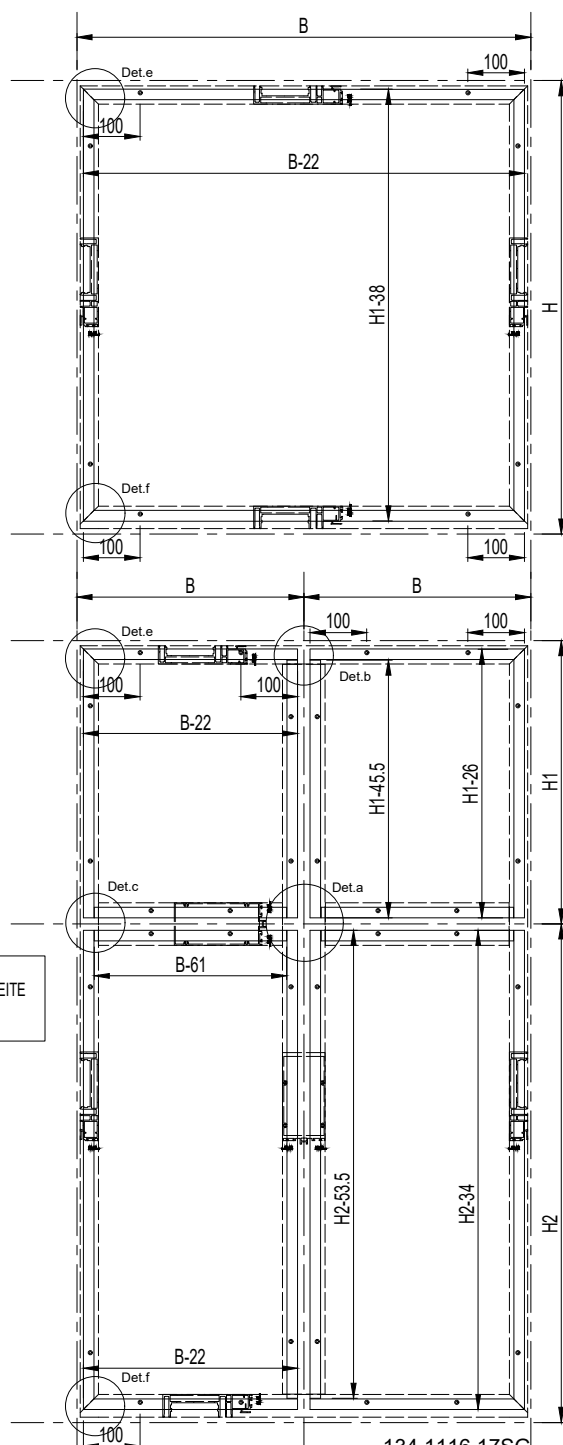
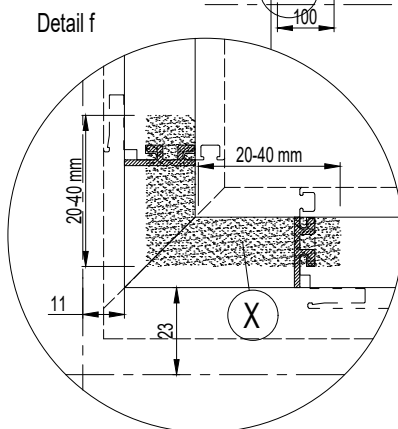
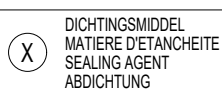
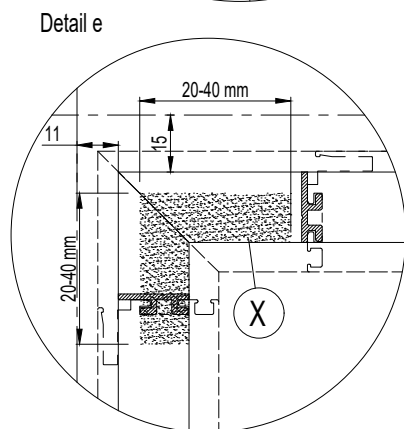
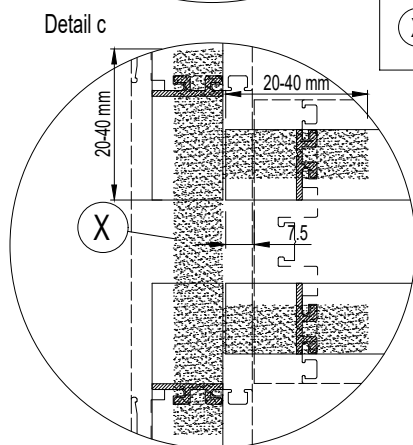
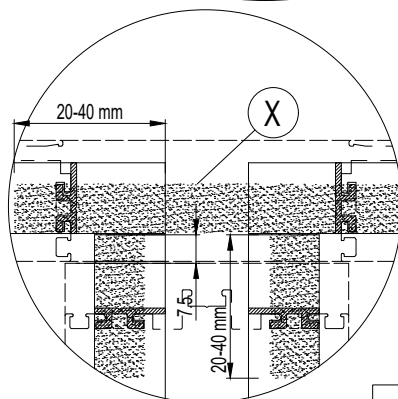
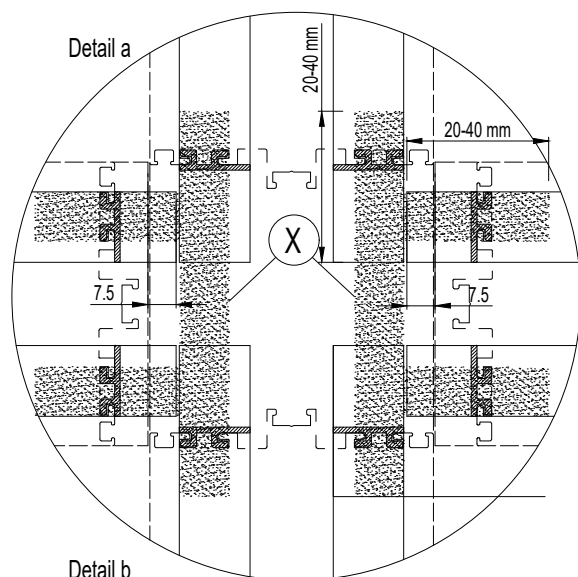
107.0227.XX



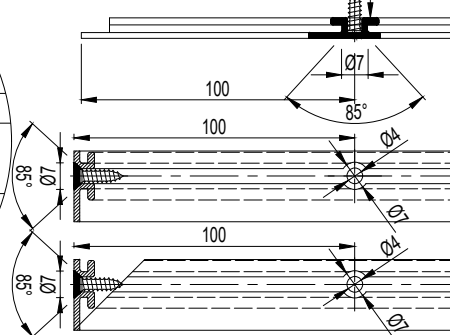
DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

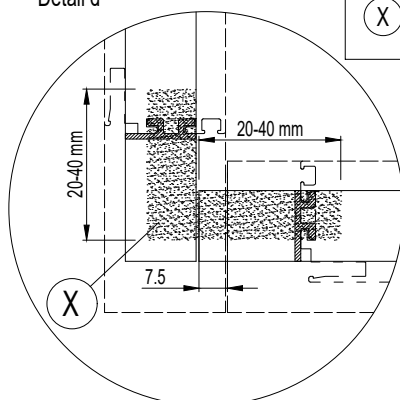
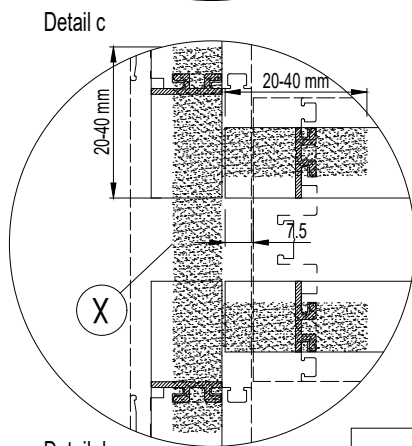
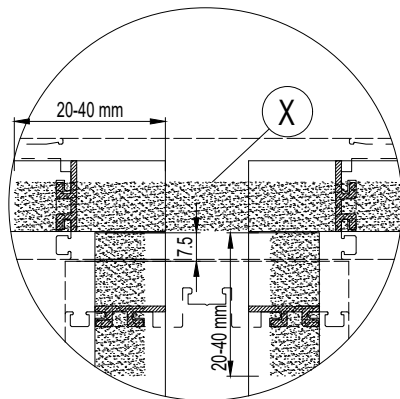
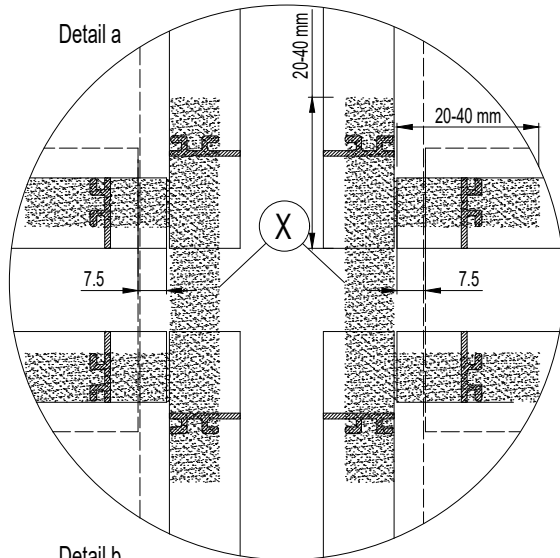
schaal - échelle
scale - Maßstab
1/2



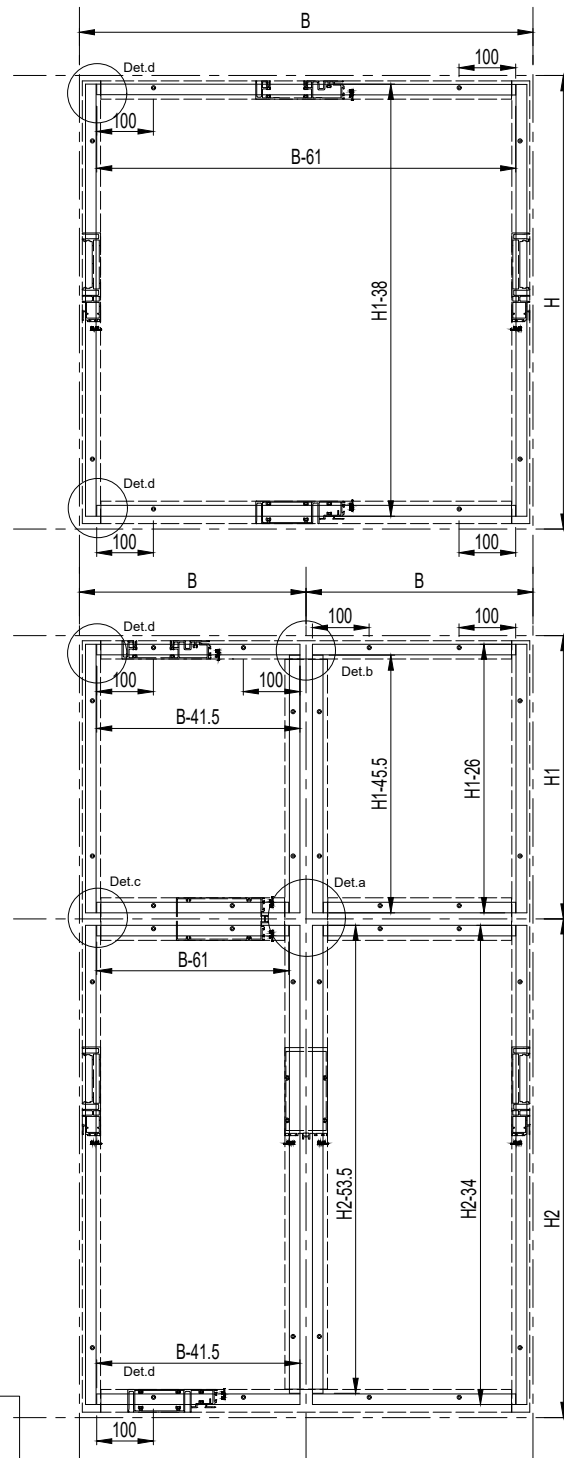


134.1116.17SG
052.5308.-- —
only at the ends

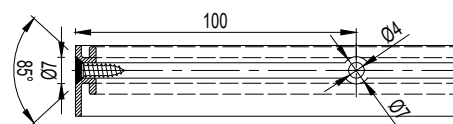
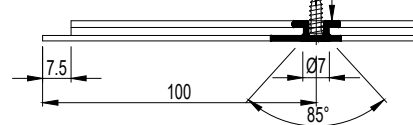


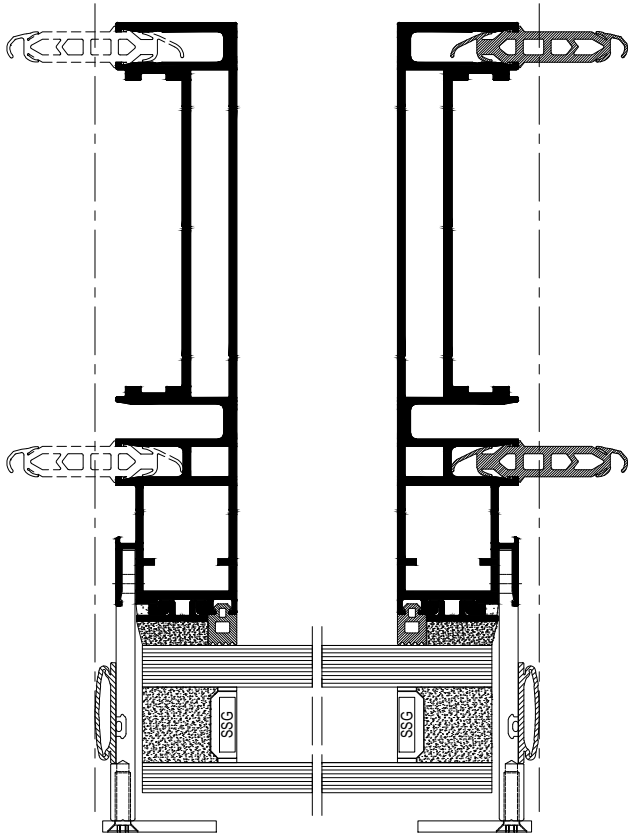
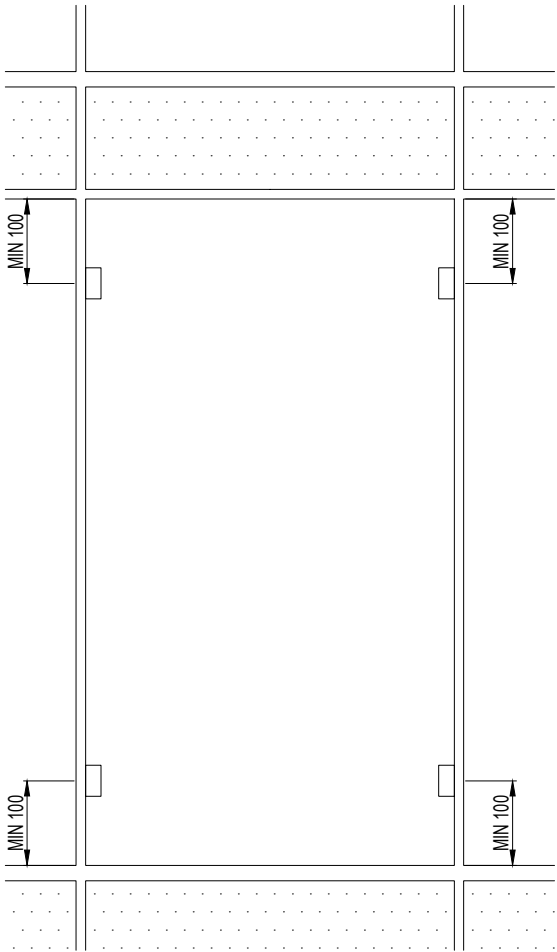


(X) DICHTINGSMIDDEL
MATIÈRE D'ÉTANCHEITÉ
SEALING AGENT
ABDICHTUNG

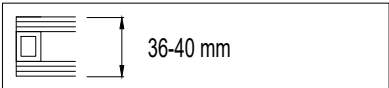
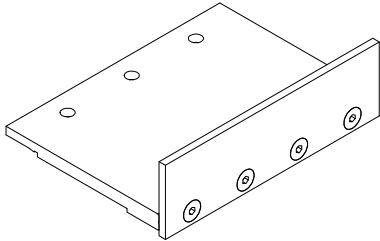


134.1116.17SG
052.5308.--
only at the ends

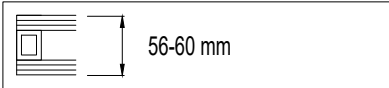
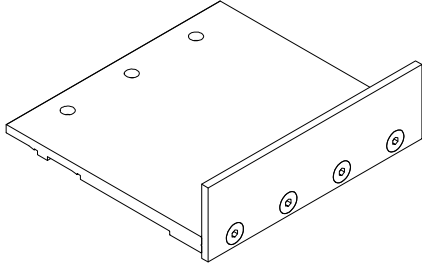


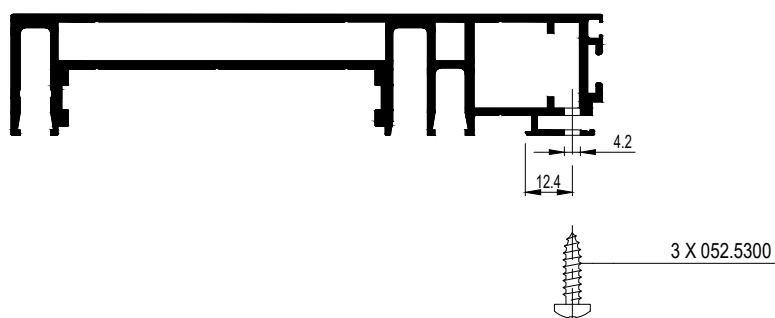
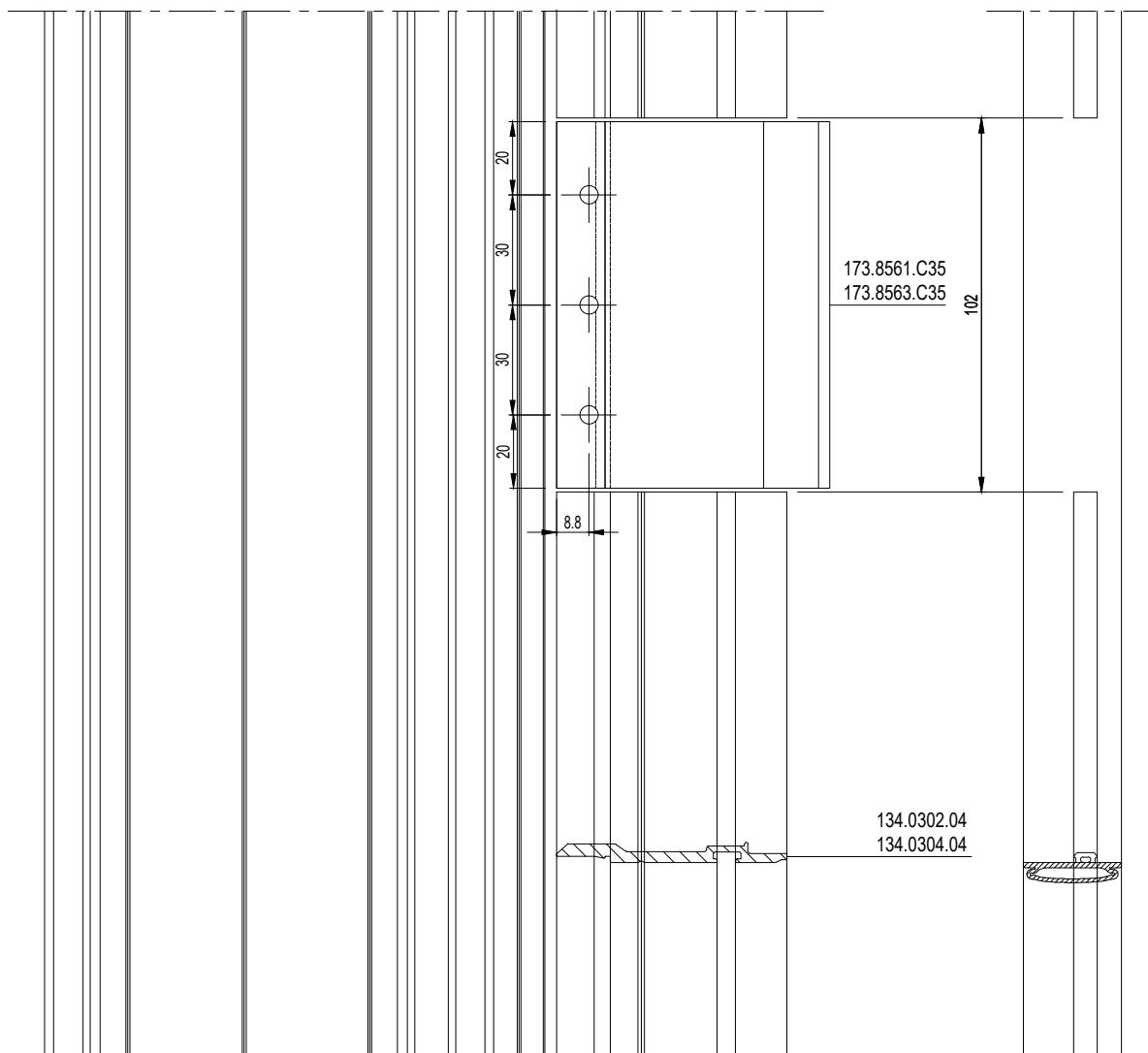


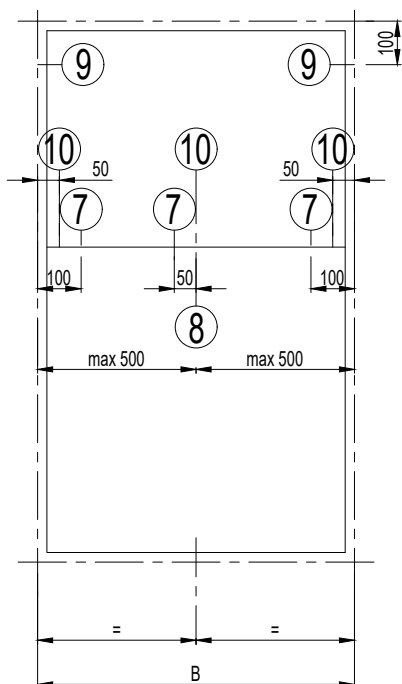
173.8561.C35



173.8563.C35



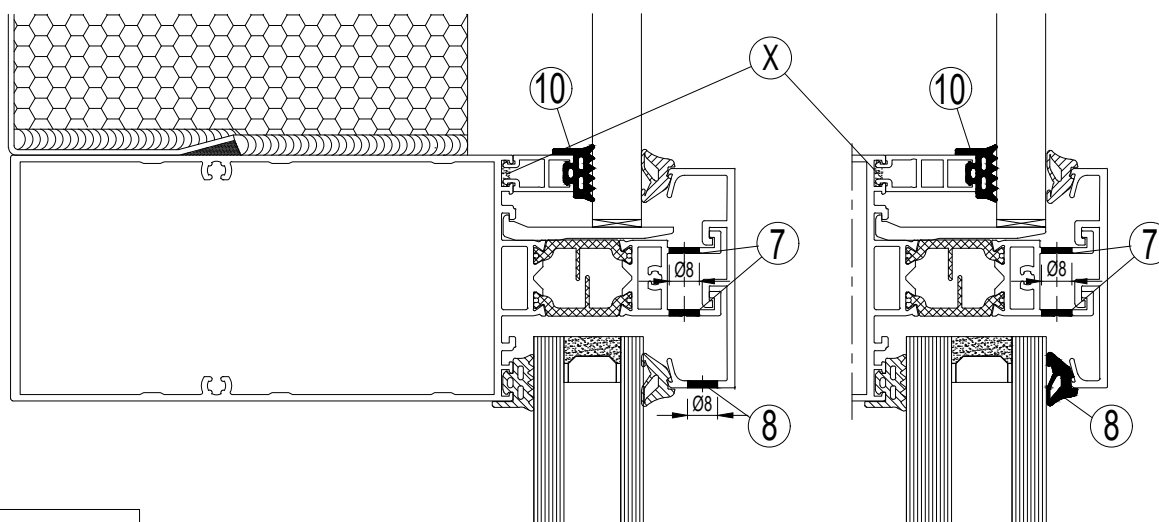
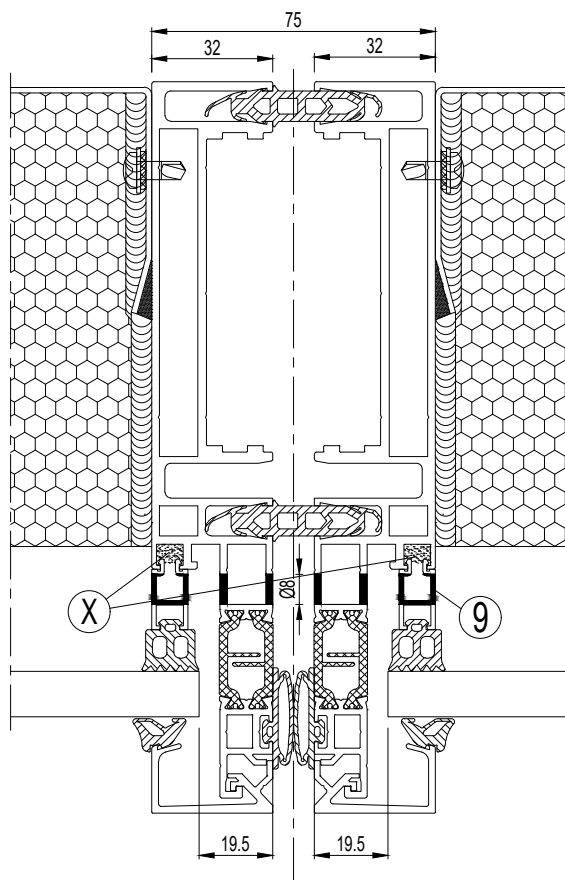




VERLUCHTING VOLGENS LOCALE RICHTLIJNEN
AERATION SELON LES DIRECTIVES LOCALES
VENTILATION ACCORDING TO THE LOCAL INSTRUCTIONS
BELÜFTUNG GEMAESS DEN LOKALEN RICHTLINIEN

ONTWATERING
DRAINAGE
DRAINAGE
ENTWAESSERUNG

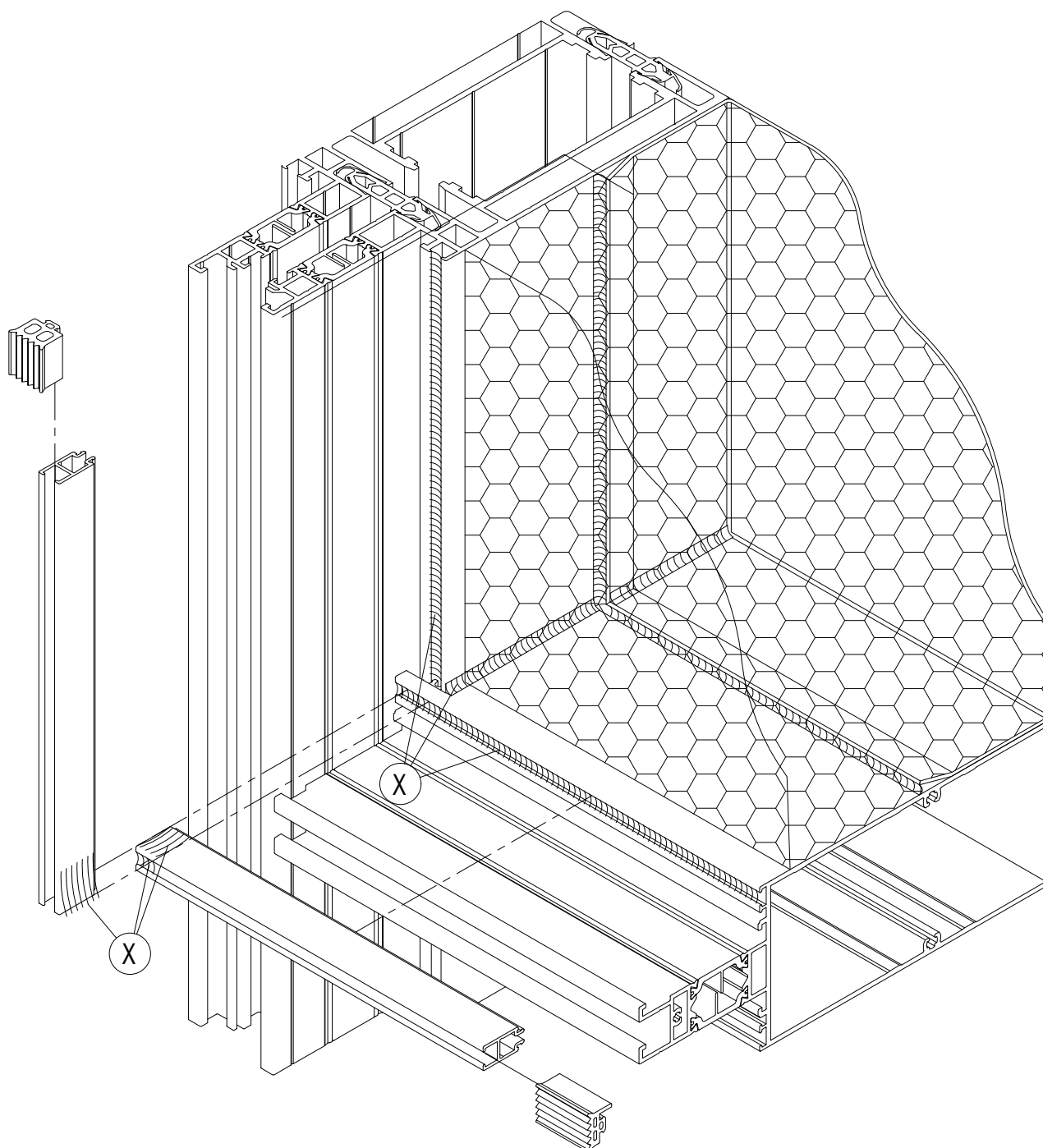
DRUKEGALISATIE
EGALISATION DE PRESSION
PRESSURE EQUALISATION
ENTLUFTUNG



⑧ ⑩  25MM

(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2



3.5 - 9mm
5.5 - 11mm
7.5 - 13mm

		
080.9815.SY	080.9810.SY	080.9864.04
080.9871.04	080.9876.04	080.9863.04
080.9817.04	080.9812.04	-

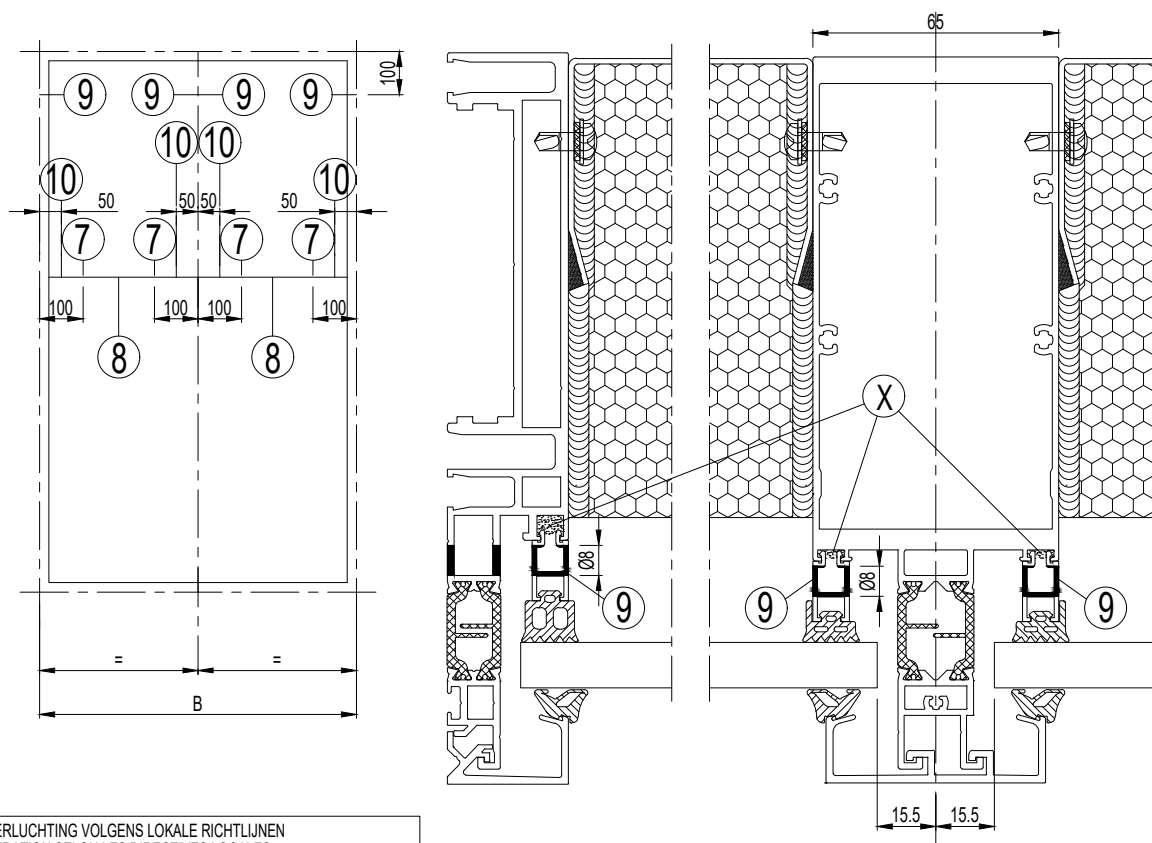
3.5 - 3.5mm
5.5 - 5.5mm
9 - 9mm
11 - 11mm
13 - 13mm

	
080.9815.SY	180.9863.04
080.9871.04	180.9865.04
080.9810.SY	080.9872.04
080.9876.04	180.9873.04
080.9812.04	-



DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2



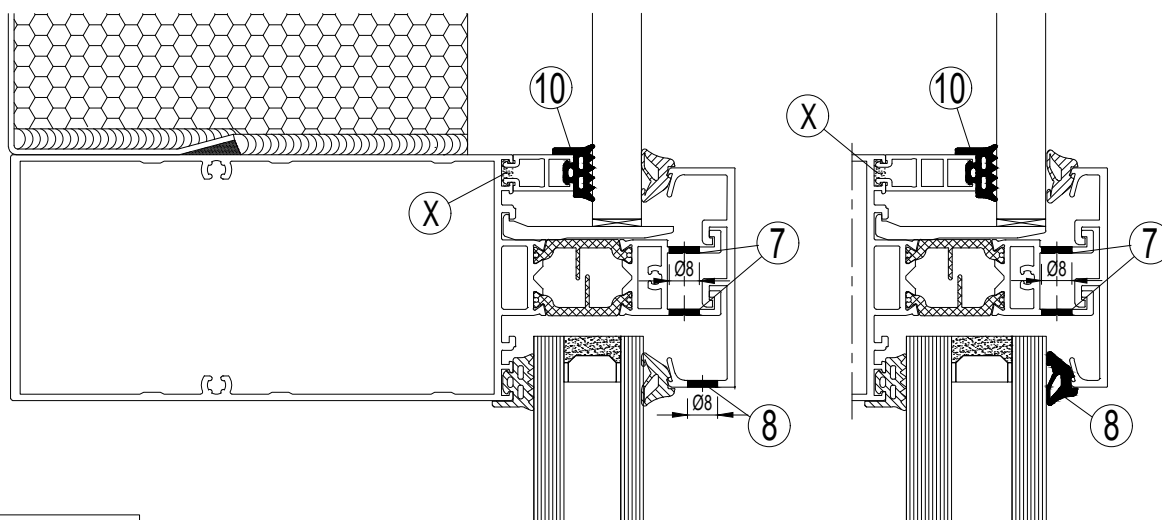
VERLUCHTING VOLGENS LOKALE RICHTLIJNEN
AERATION SELON LES DIRECTIVES LOCALES
VENTILATION ACCORDING TO THE LOCAL INSTRUCTIONS
BELÜFTUNG GEMAESS DEN LOKALEN RICHTLINIEN

ONTWATERING
DRAINAGE
DRAINAGE
ENTWÄSSERUNG

7

DRUKEGALISATIE
EGALISATION DE PRESSION
PRESSURE EQUALISATION
ENTLÜFTUNG

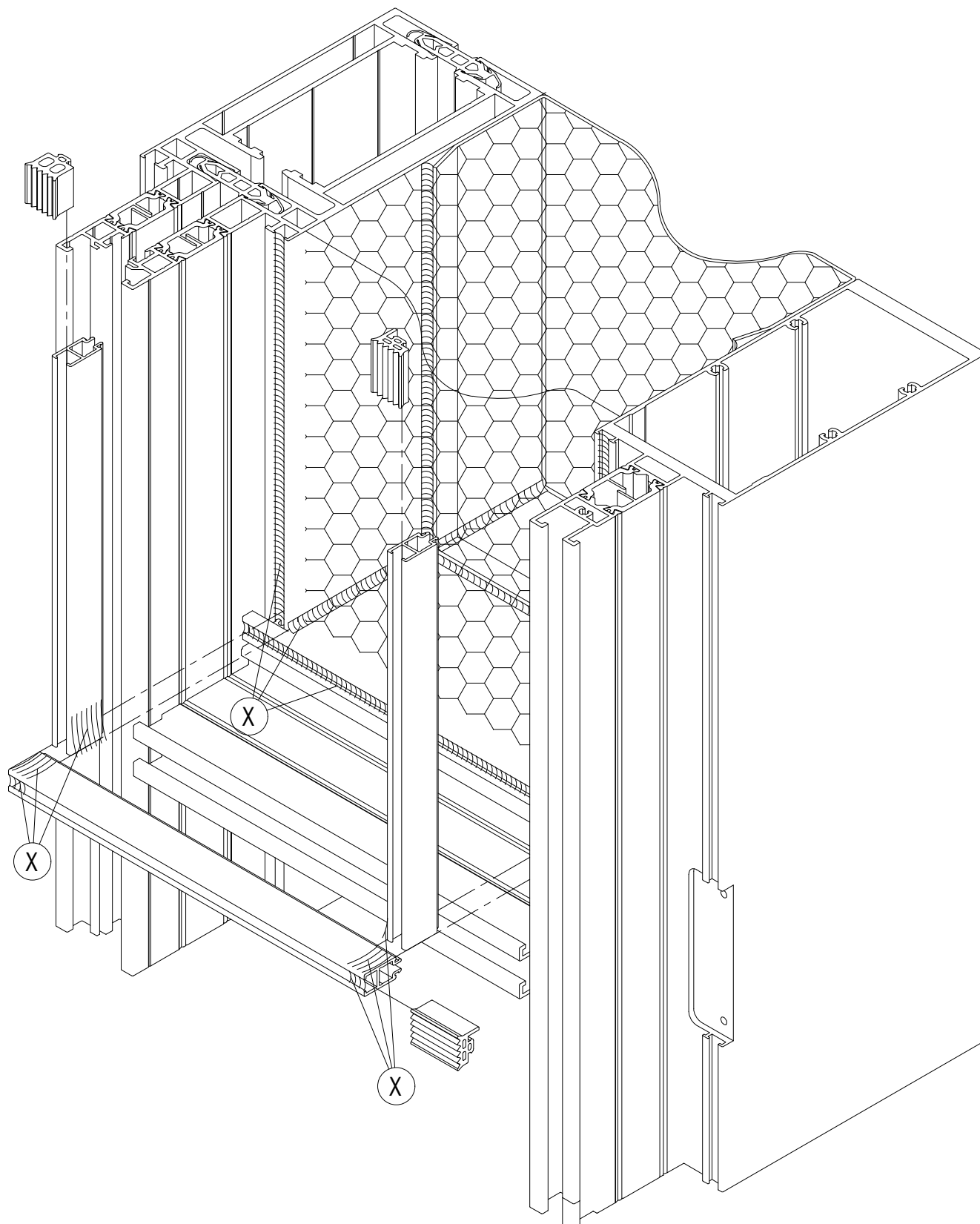
9



8 10 25MM

X
DICHTINGSMIDDEL
MATIERE D'ÉTANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2



F


 DICHTINGSMIDDEL
 MATIERE D'ETANCHEITE
 SEALING AGENT
 ABDICHTUNG

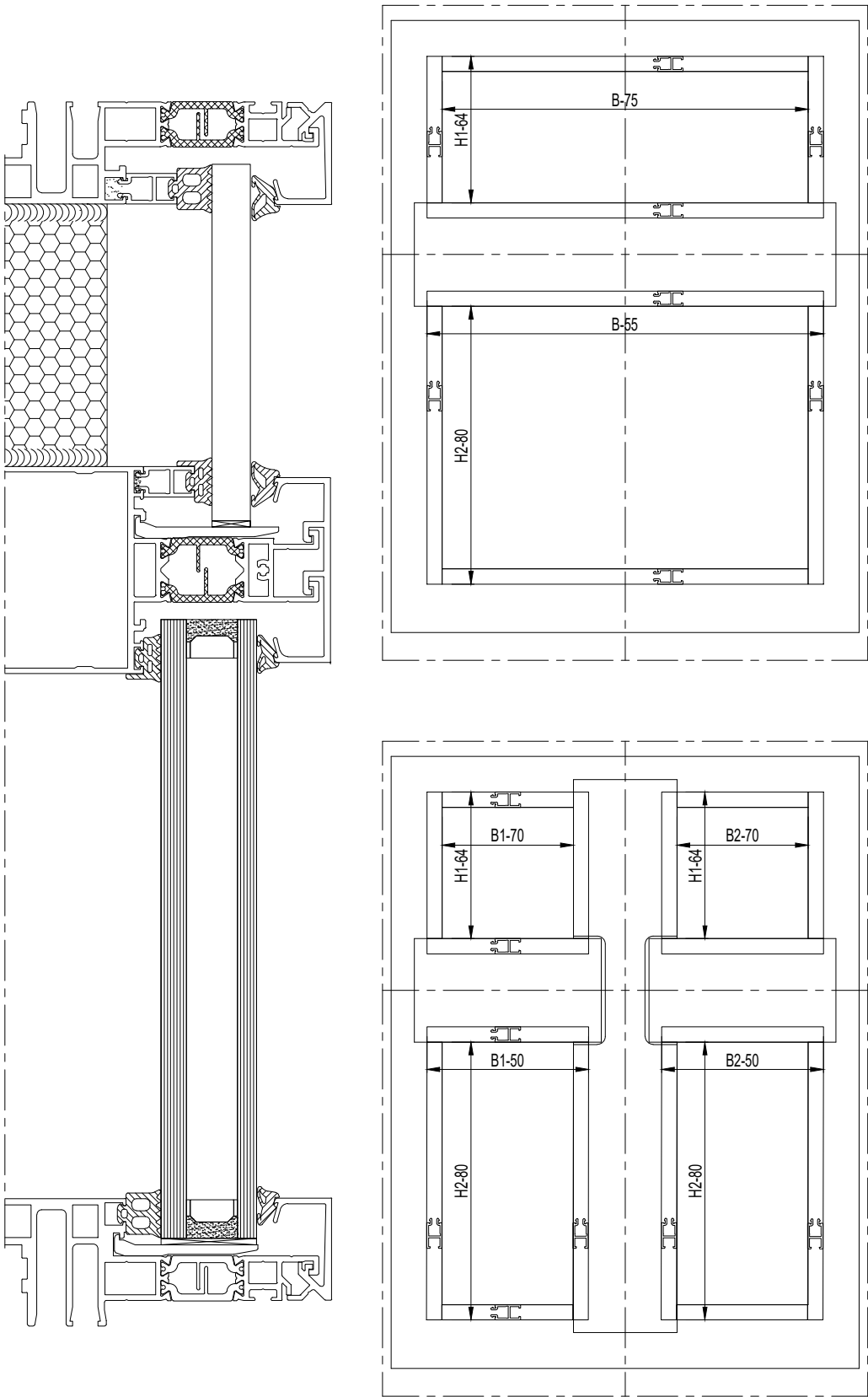
3.5 - 9mm
 5.5 - 11mm
 7.5 - 13mm

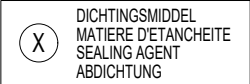
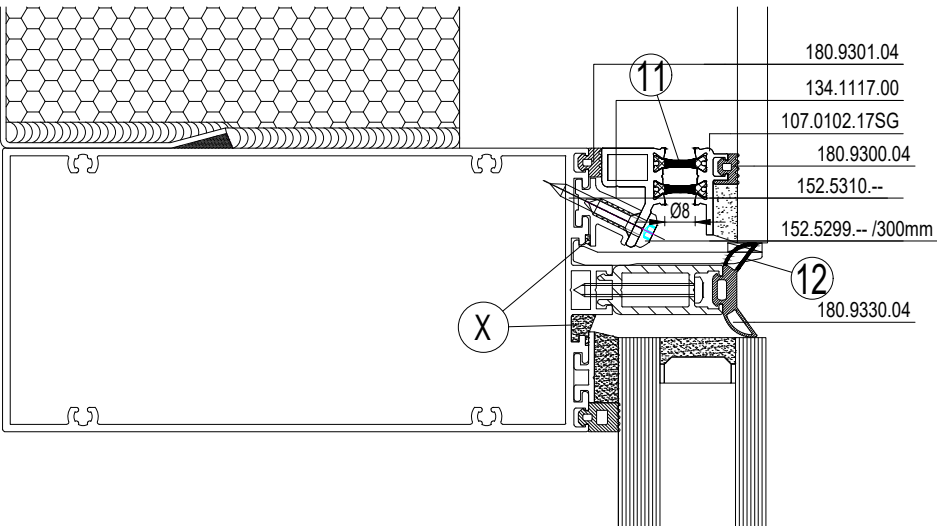
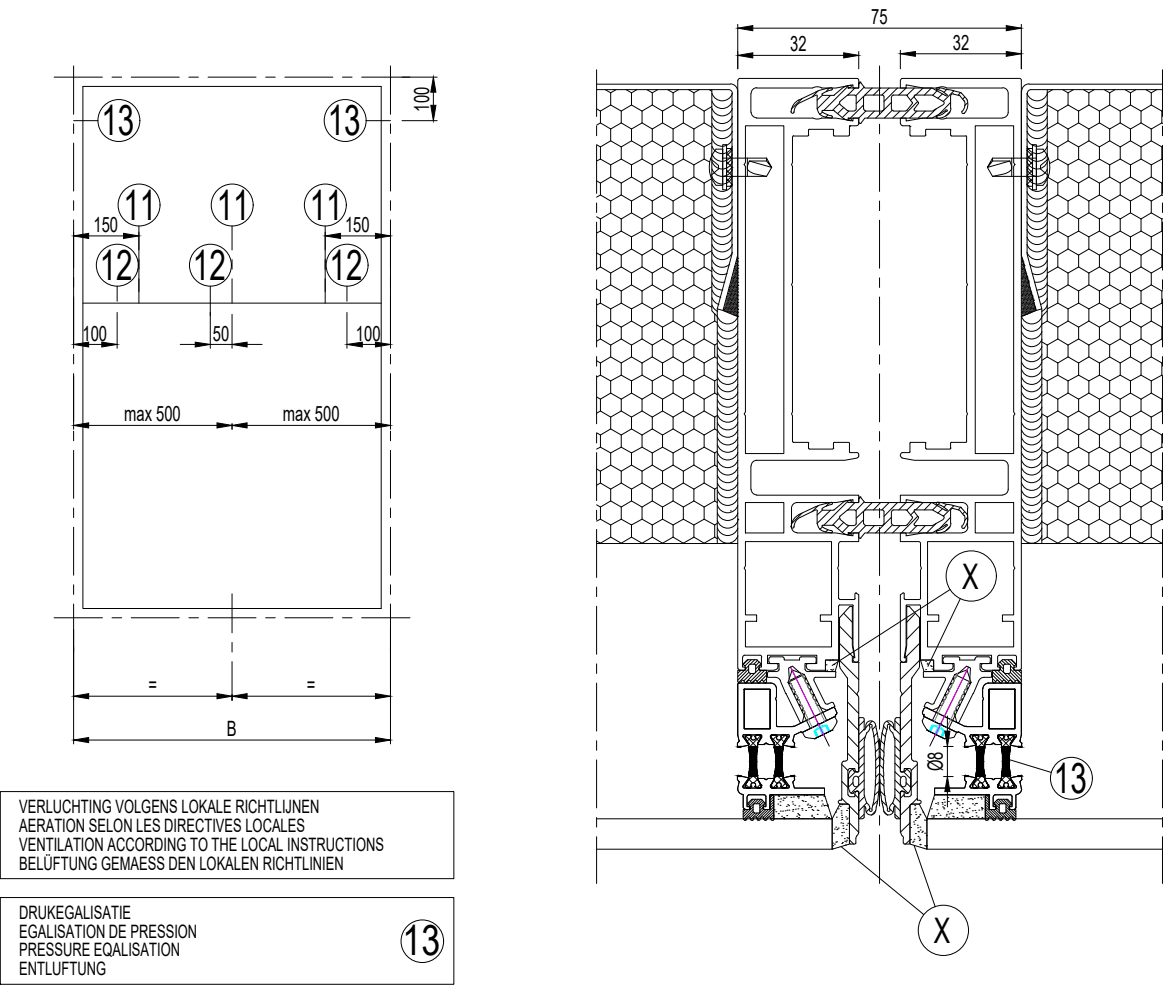
		
080.9815.SY	080.9810.SY	080.9864.04
080.9871.04	080.9876.04	080.9863.04
080.9817.04	080.9812.04	-

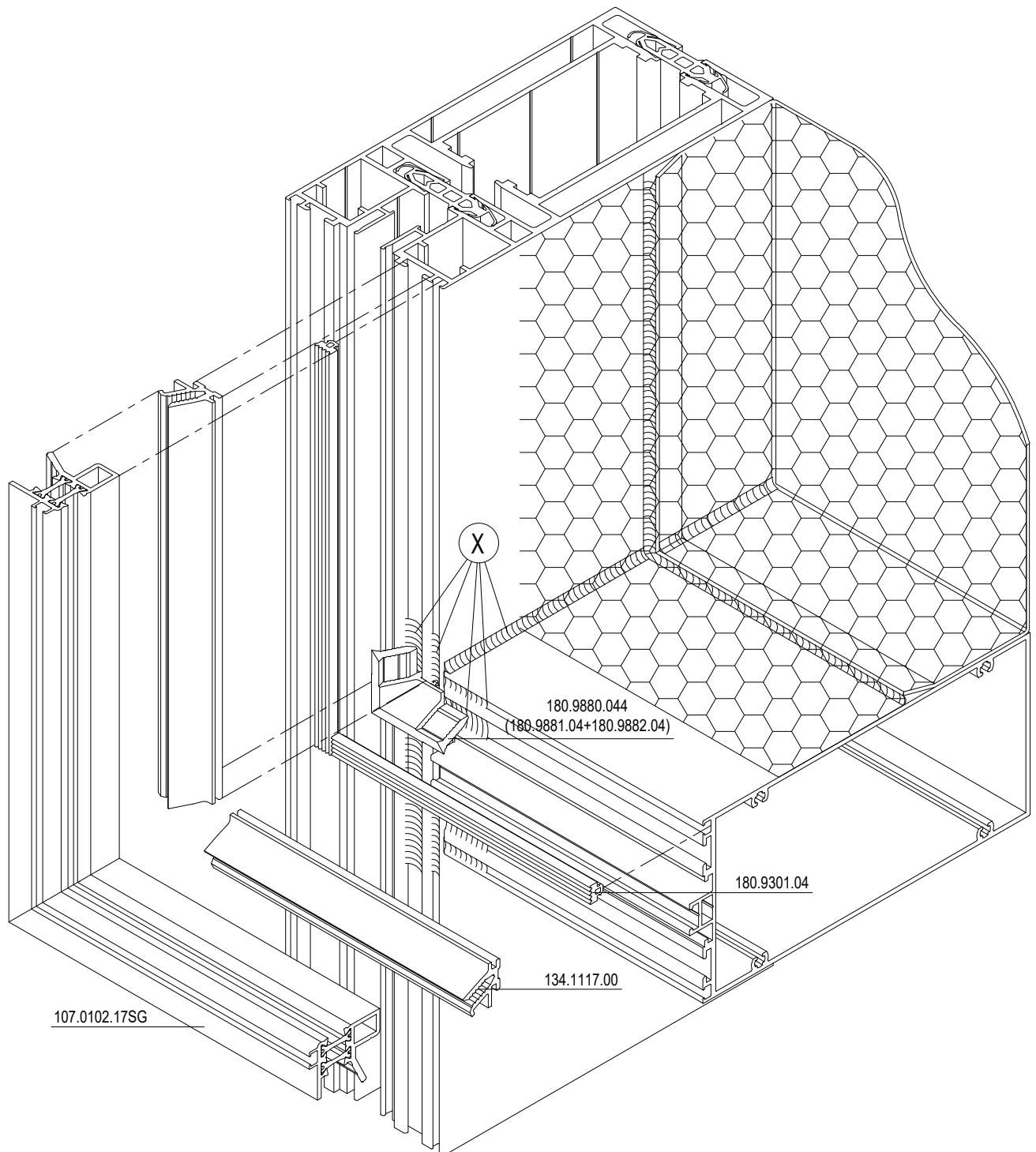
3.5 - 3.5mm
 5.5 - 5.5mm
 9 - 9mm
 11 - 11mm
 13 - 13mm

	
080.9815.SY	180.9863.04
080.9871.04	180.9865.04
080.9810.SY	080.9872.04
080.9876.04	180.9873.04
080.9812.04	-

schaal - échelle
 scale - Maßstab
 1/2





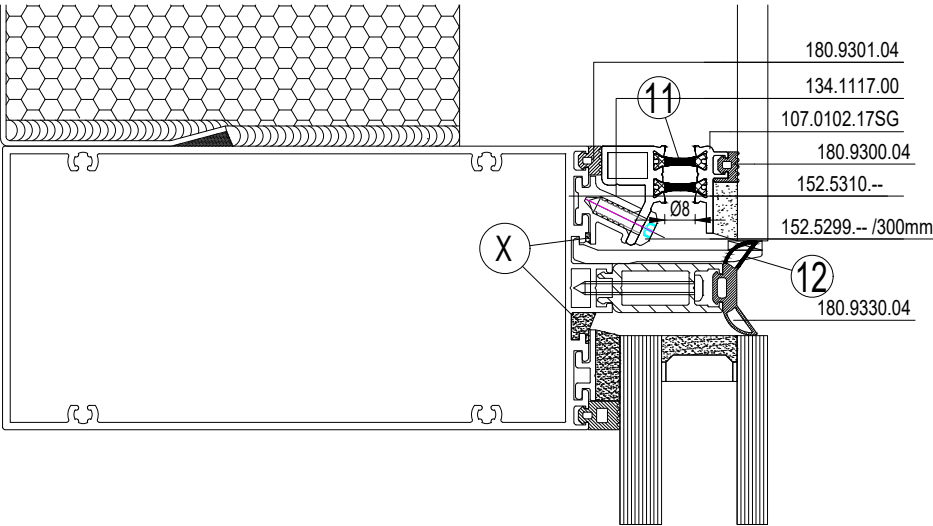
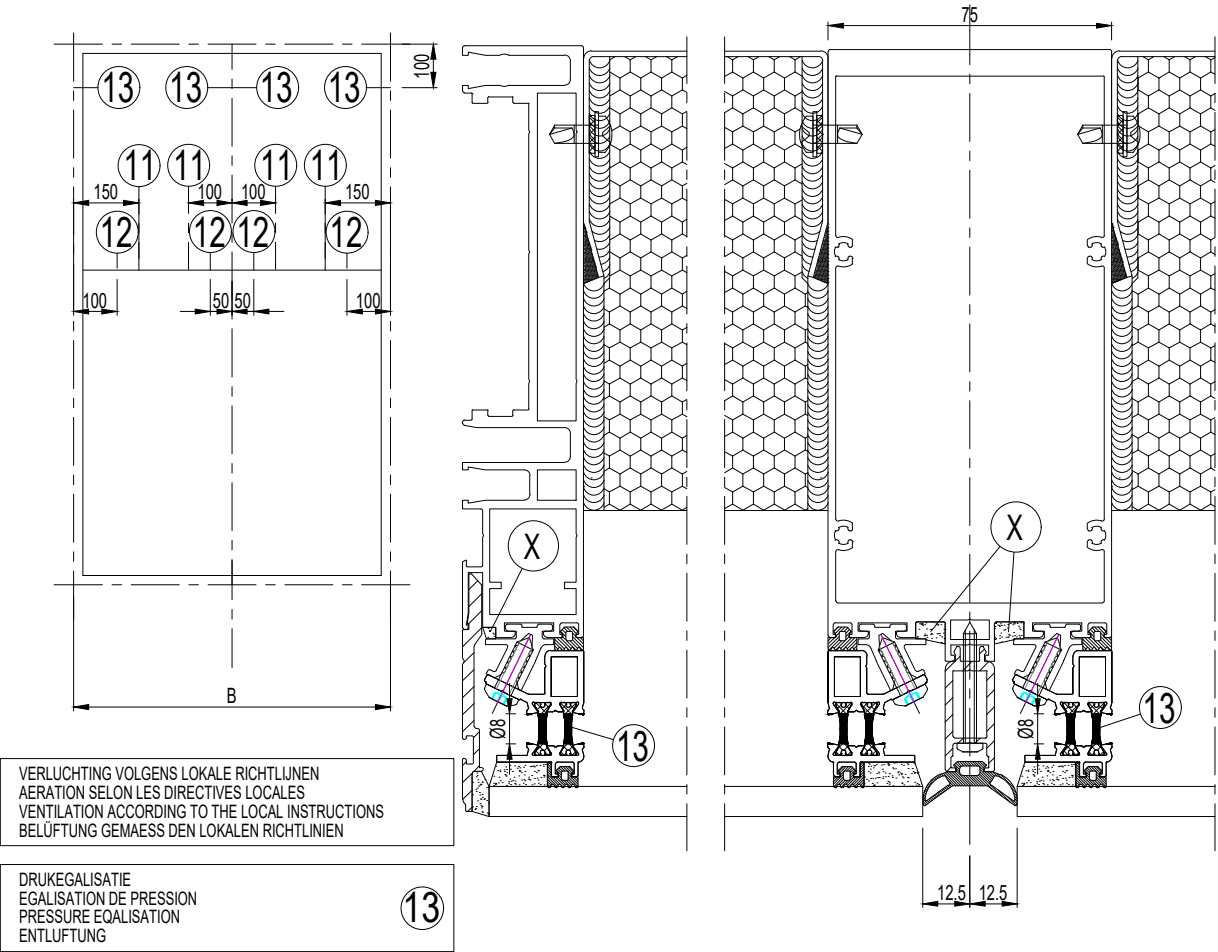


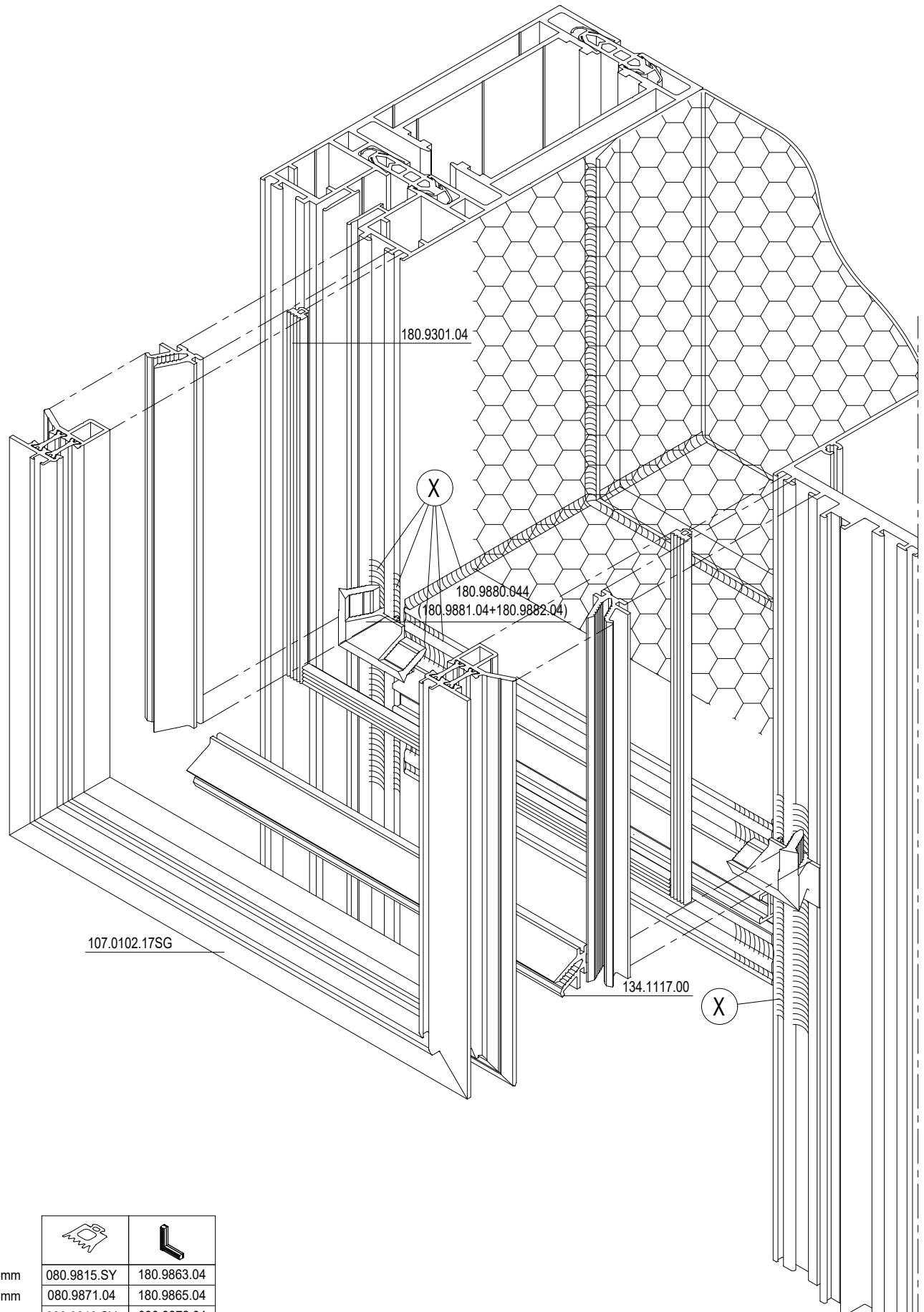
3.5 - 3.5mm
5.5 - 5.5mm
9 - 9mm
11 - 11mm
13 - 13mm

	
080.9815.SY	180.9863.04
080.9871.04	180.9865.04
080.9810.SY	080.9872.04
080.9876.04	180.9873.04
080.9812.04	-

schaal - échelle
scale - Maßstab
1/2

ETAG
002



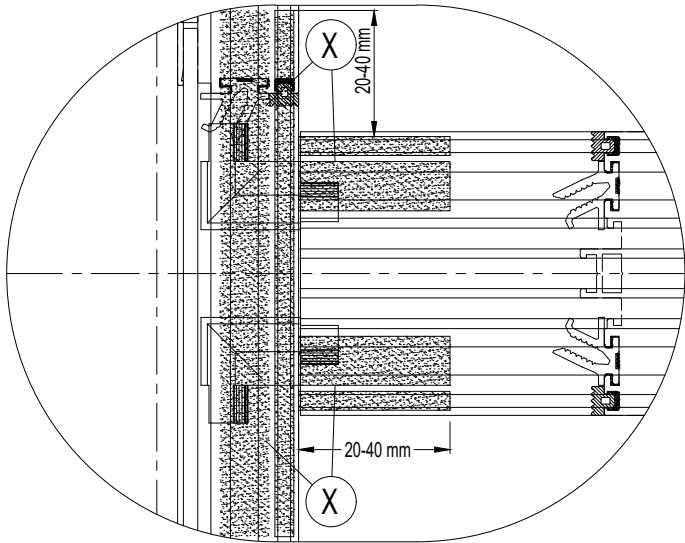
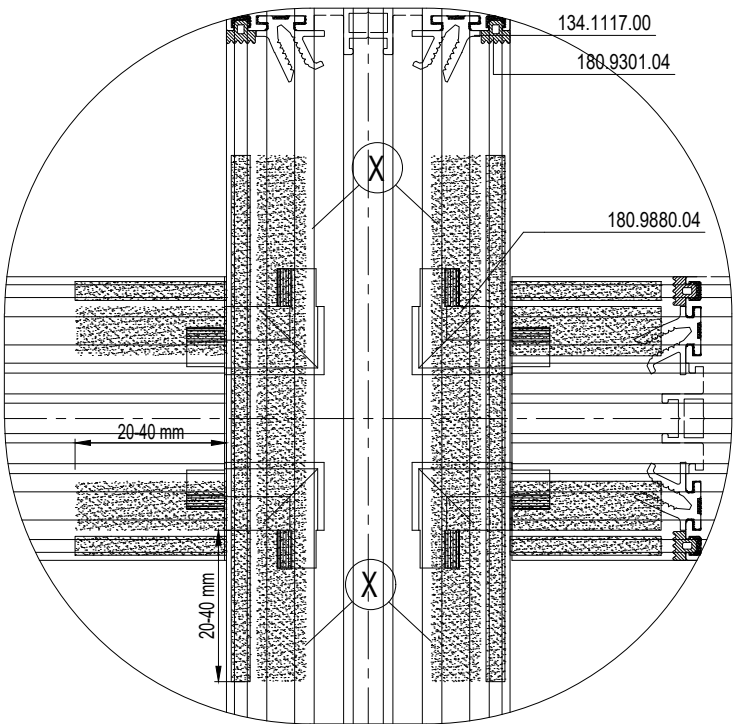


3.5 - 3.5mm
5.5 - 5.5mm
9 - 9mm
11 - 11mm
13 - 13mm

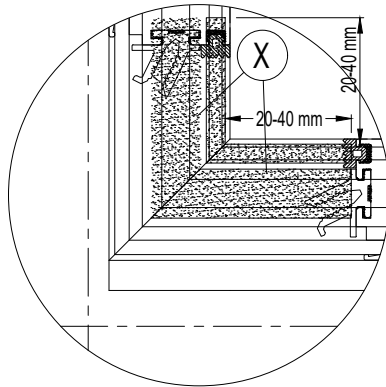
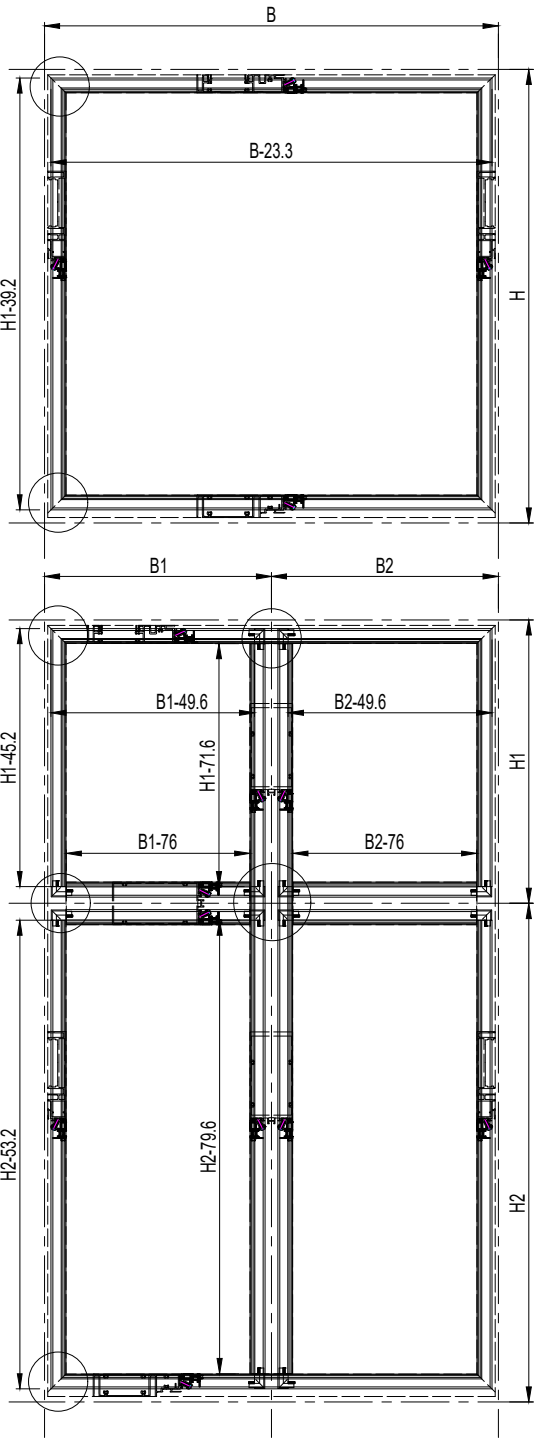
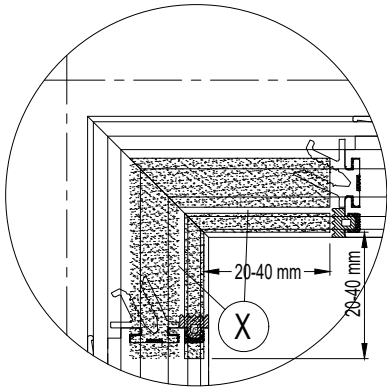
080.9815.SY	180.9863.04
080.9871.04	180.9865.04
080.9810.SY	080.9872.04
080.9876.04	180.9873.04
080.9812.04	-

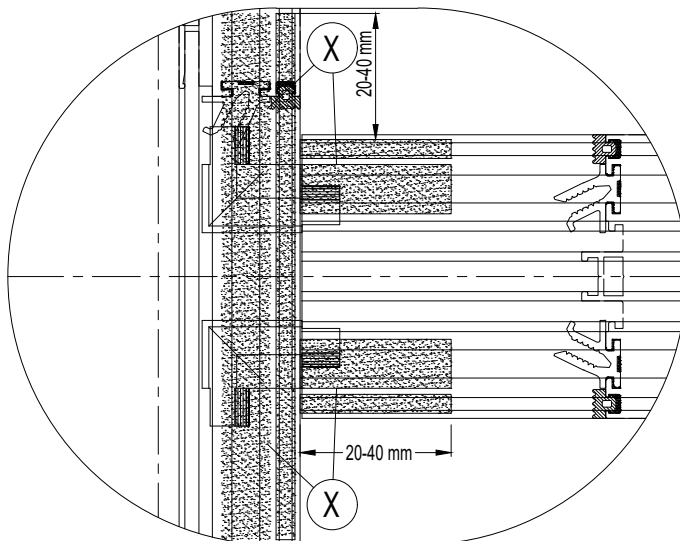
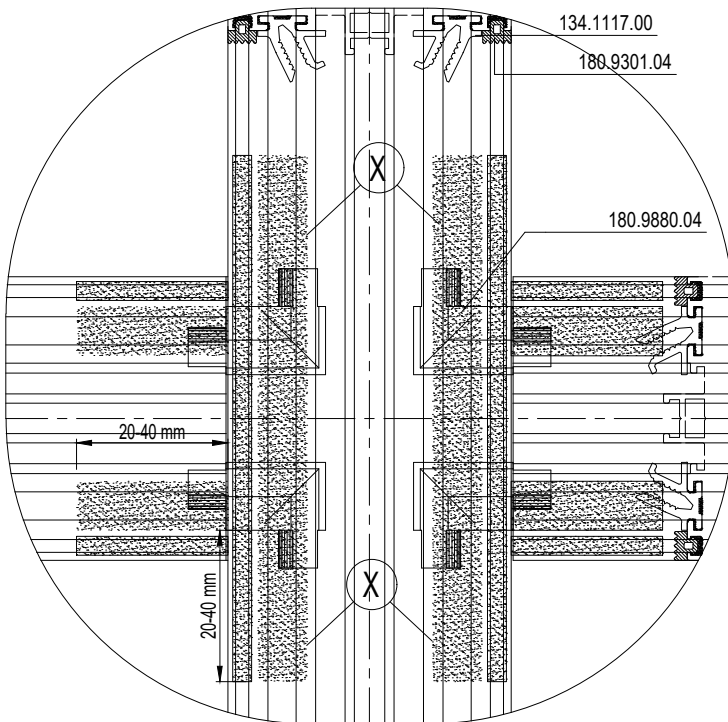
schaal - échelle
scale - Maßstab
1/2

ETAG
002

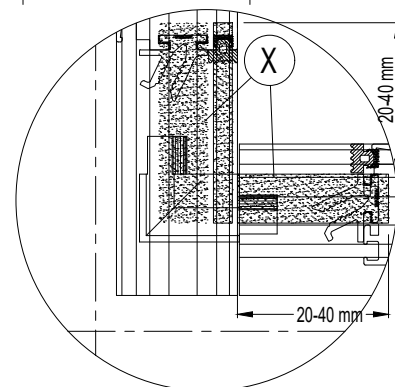
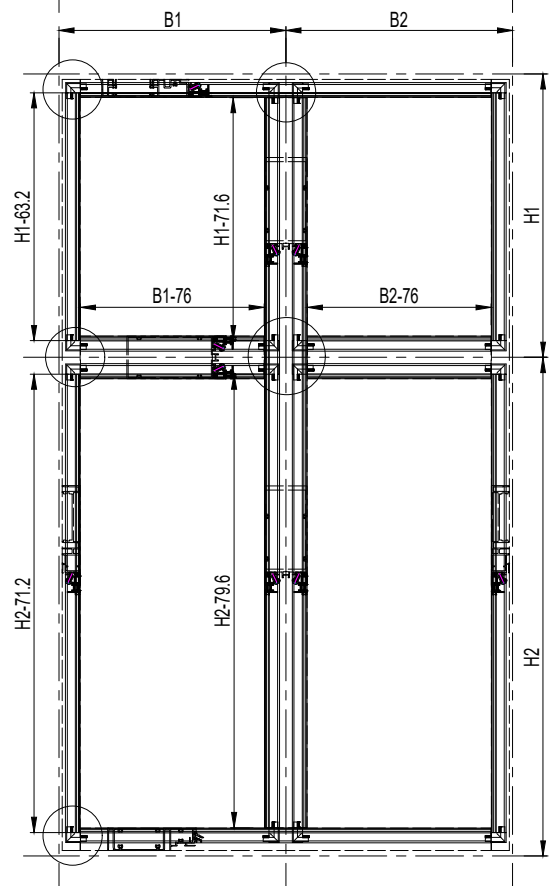
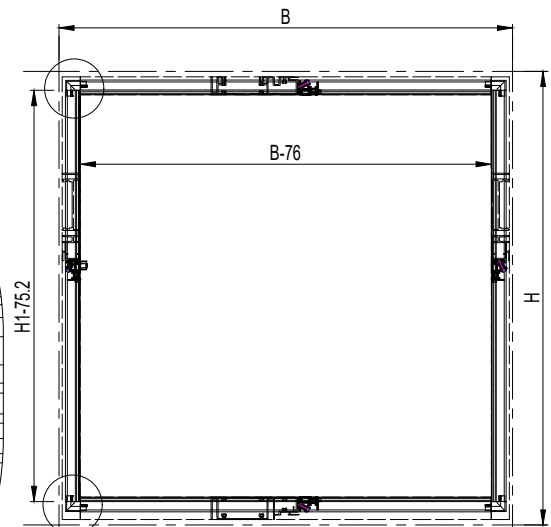
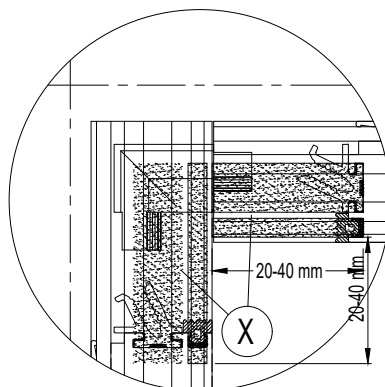


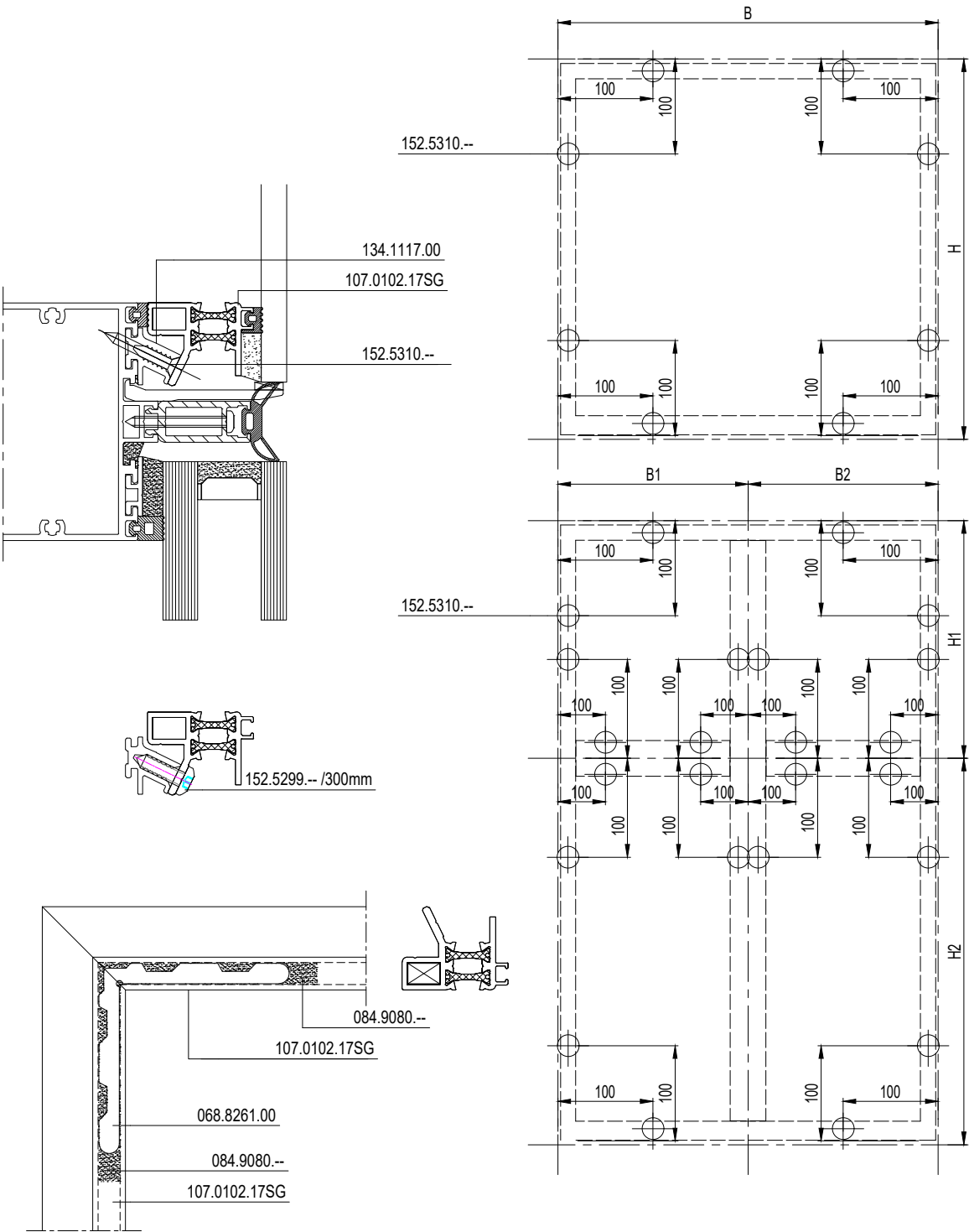
(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

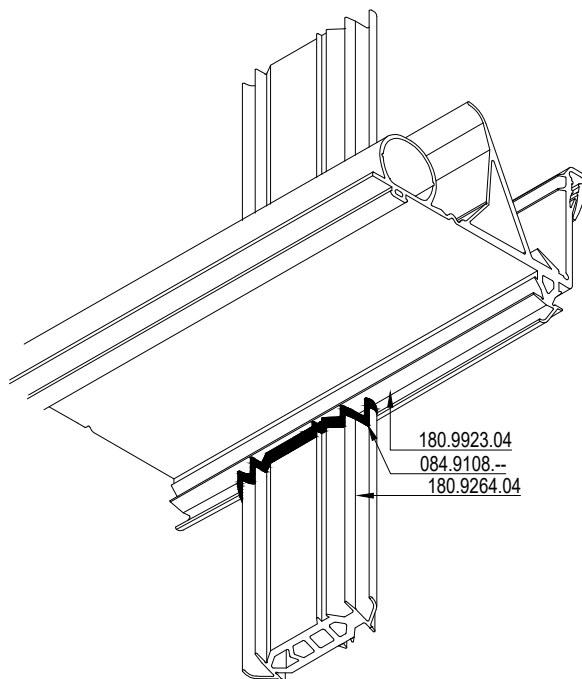
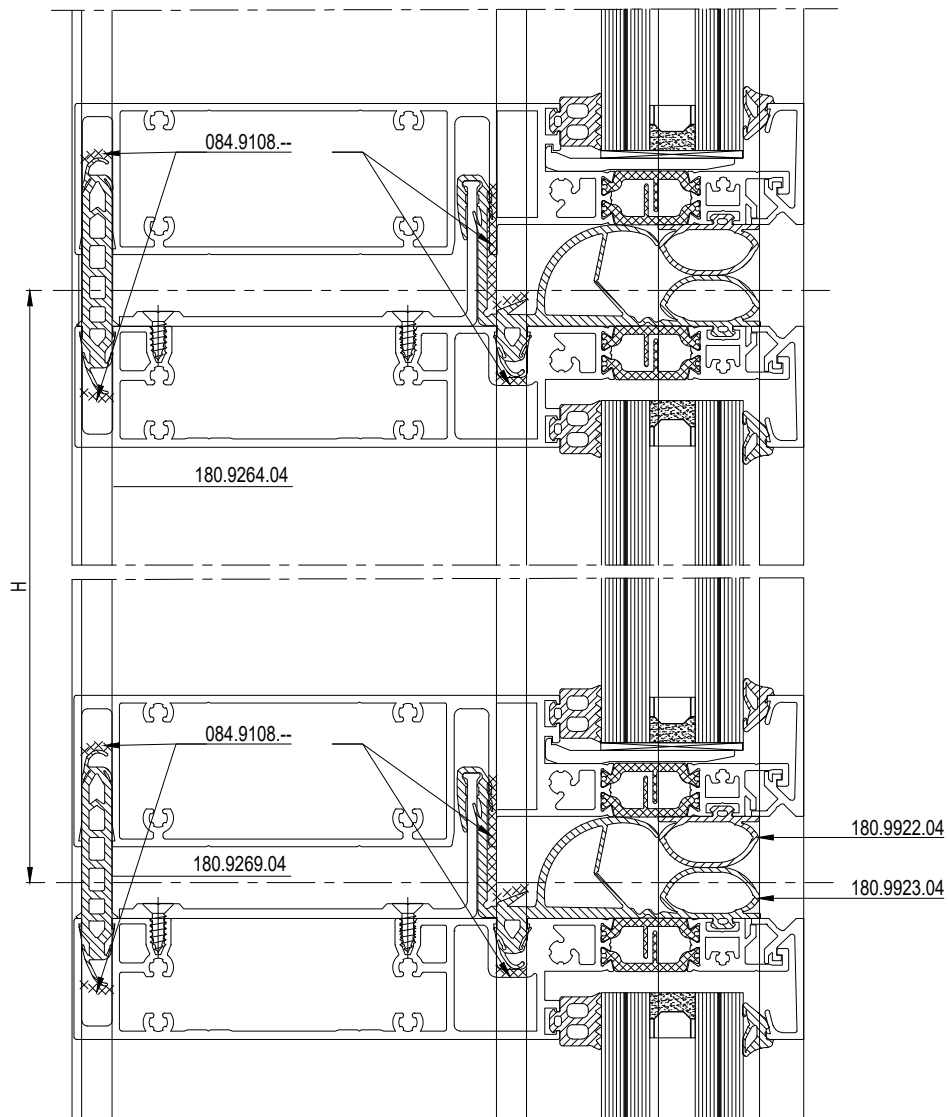


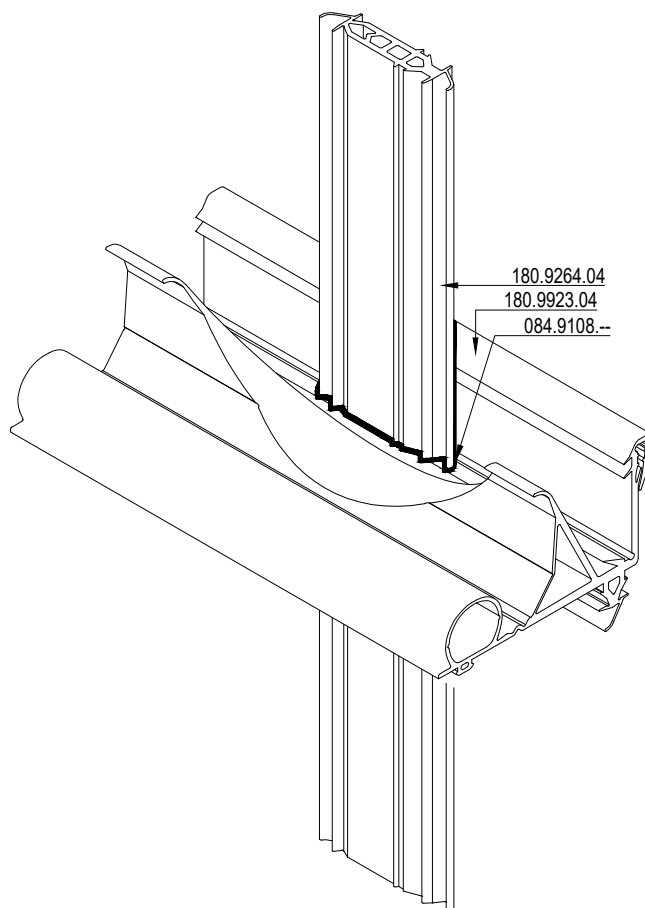
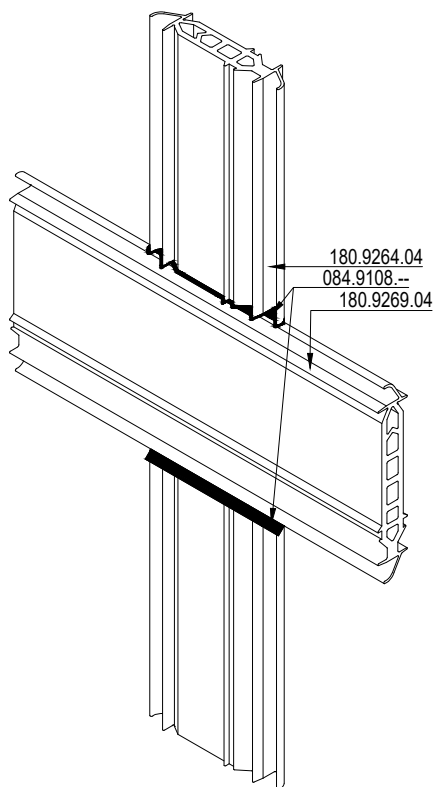


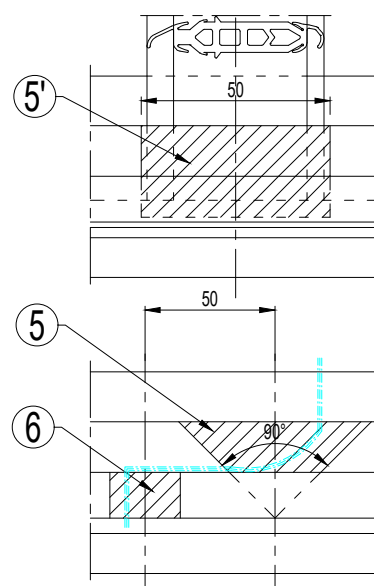
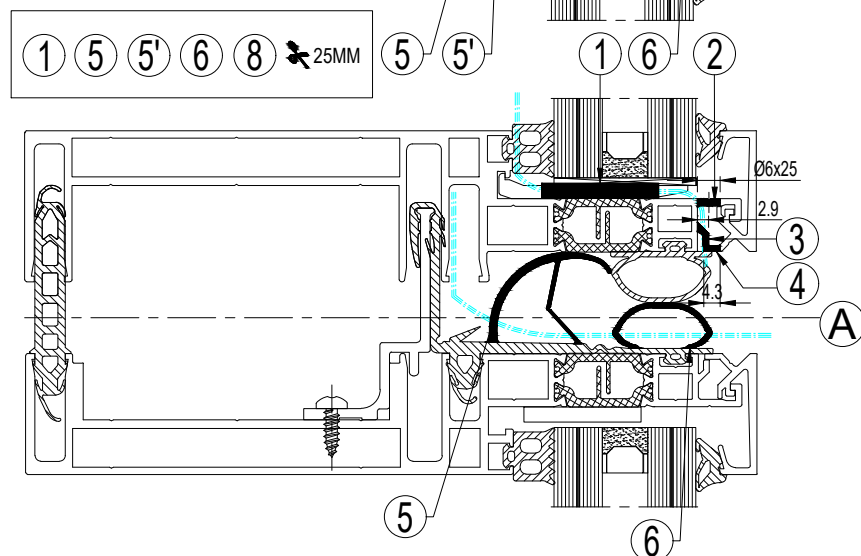
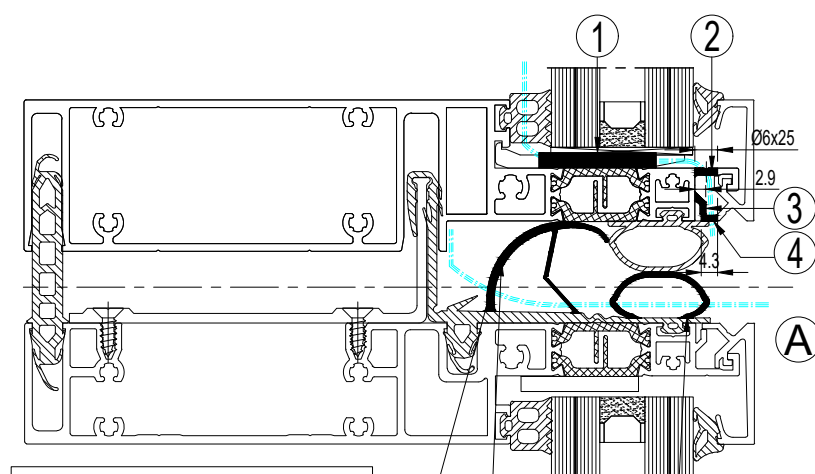
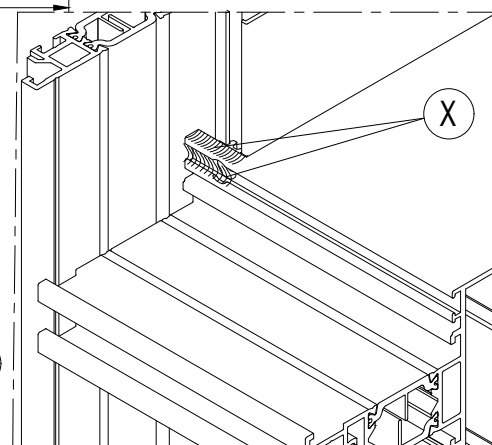
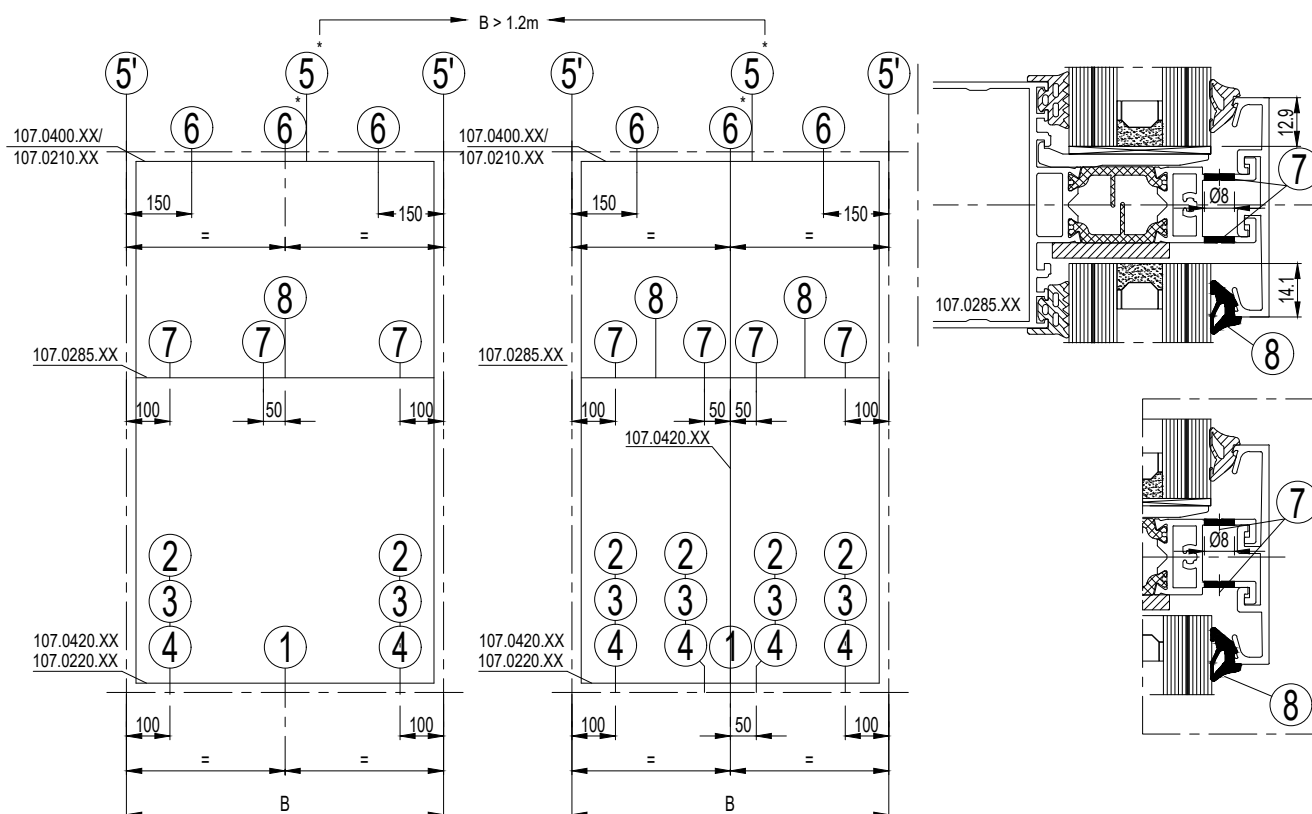
(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG





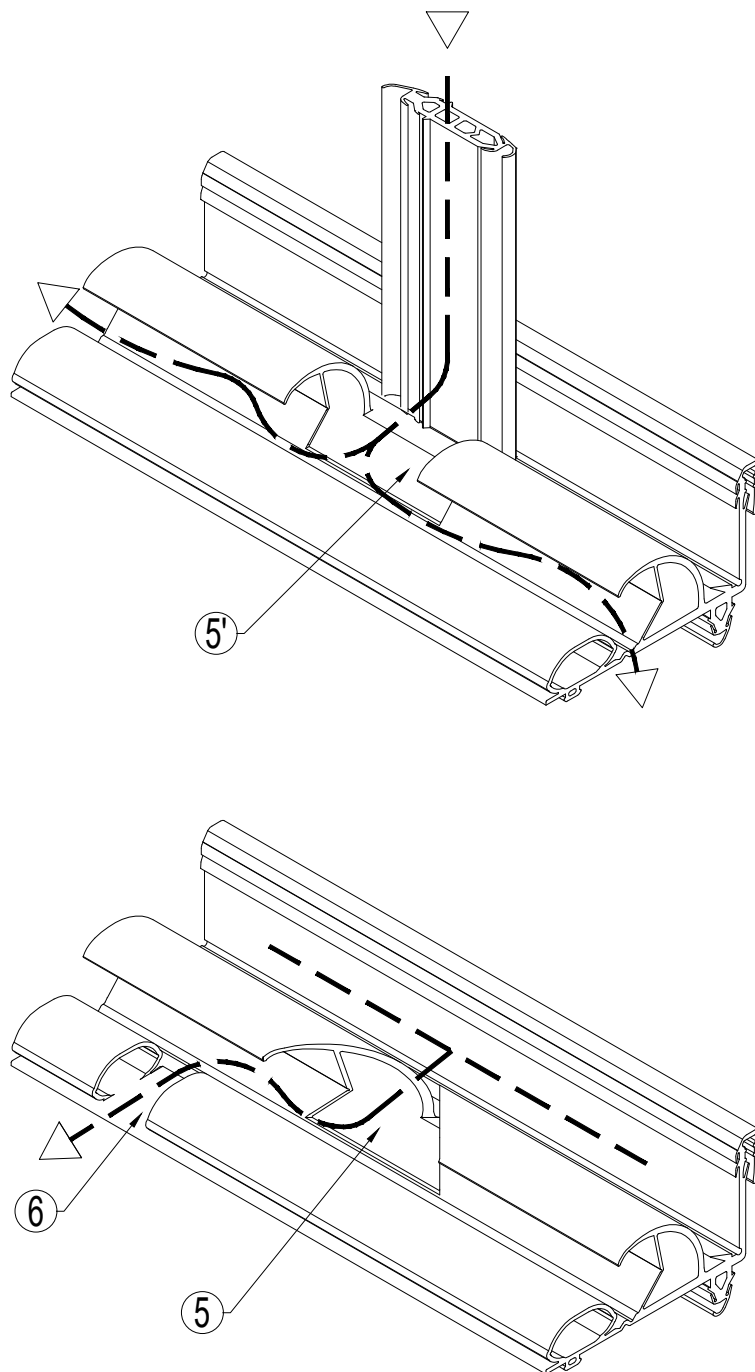


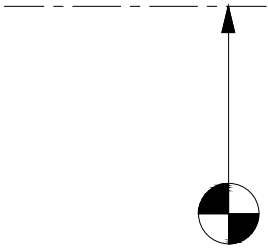
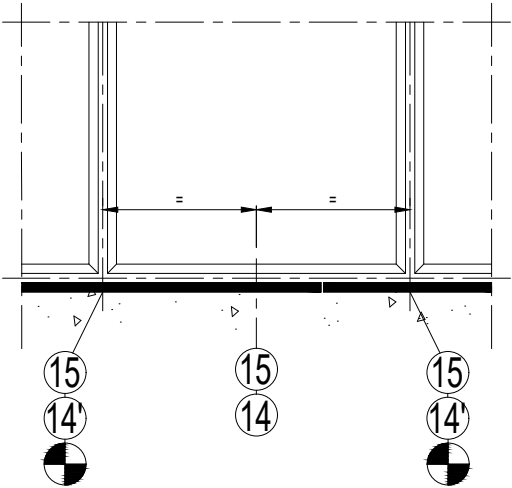




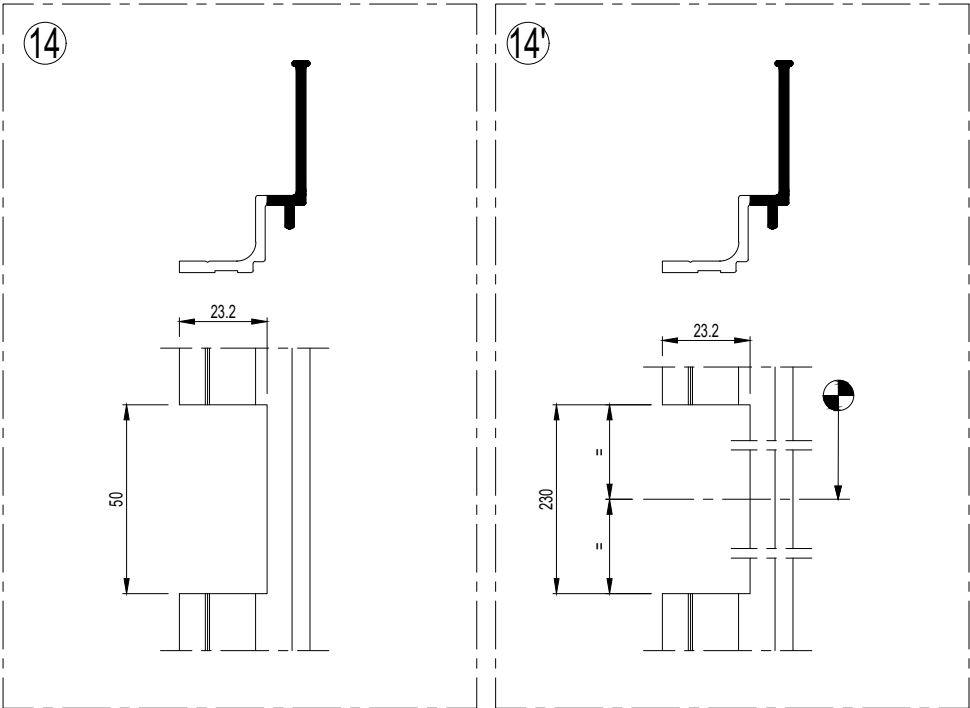
197.E900.00

schaal - échelle
scale - Maßstab
1/2

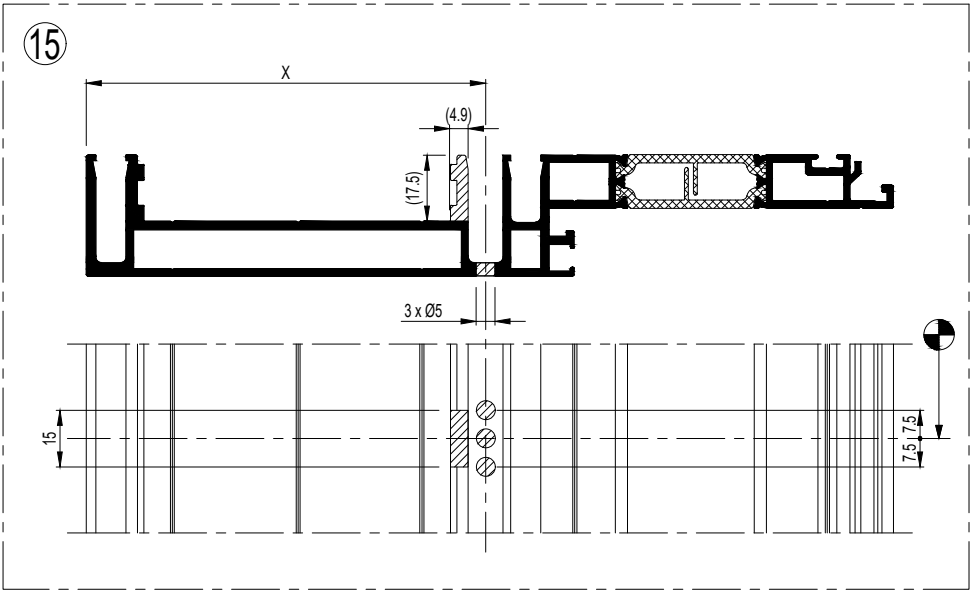


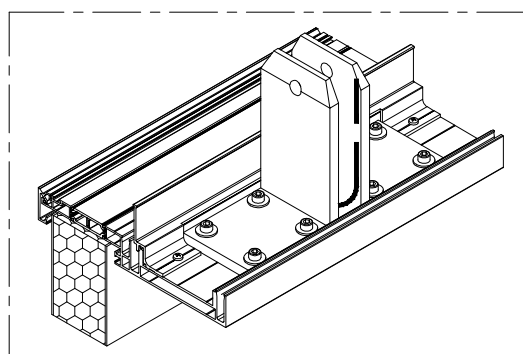
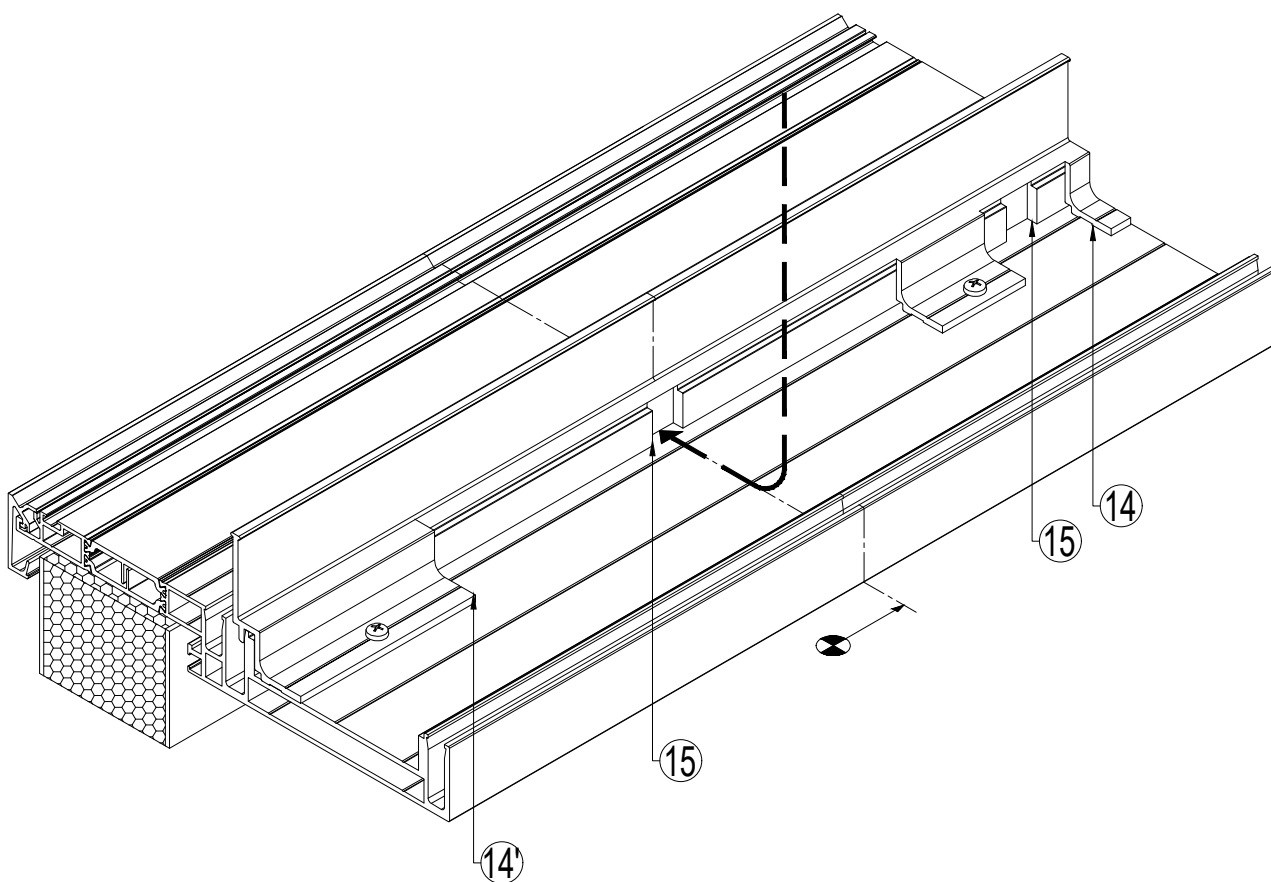
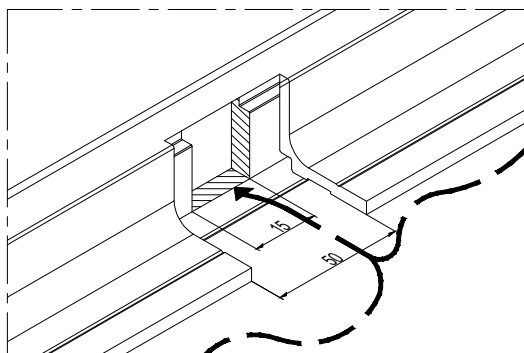


REFERENTIEMAAT
DIMENSION DE REFERENCE
REFERENCE DIMENSION
REFERENZMASS

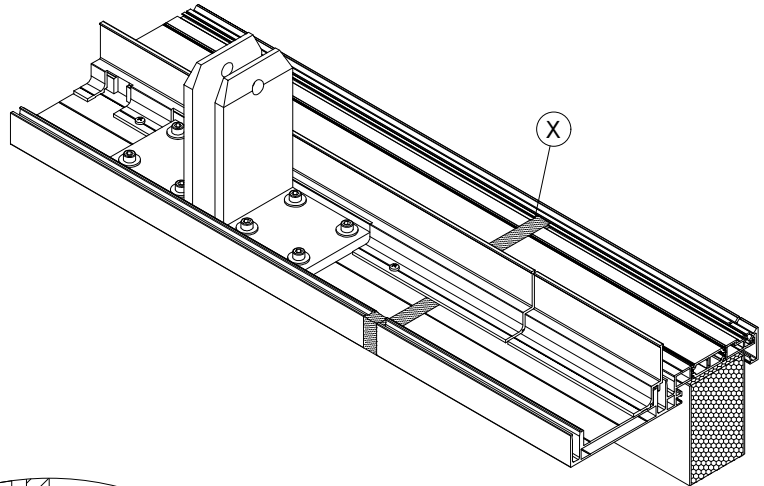
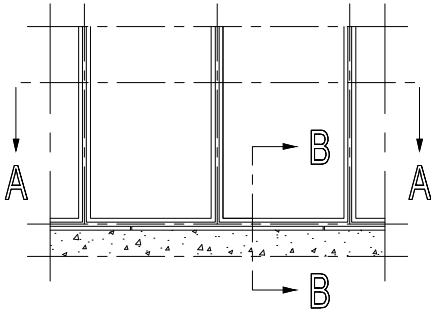


			X
-20 mm	n/a	C07.1210.XX C07.1211.XX C07.1212.XX	
-10 mm	n/a	C07.2210.XX C07.2211.XX C07.2212.XX	
STANDARD	156.6370.XX	107.0210.XX 107.0211.XX 107.0212.XX	105.6
+10 mm	C56.3370.XX	C07.3210.XX C07.3211.XX C07.3212.XX	115.6
+20 mm	C56.4370.XX	C07.4210.XX C07.4211.XX C07.4212.XX	125.6
+30 mm	C56.5370.XX	C07.5210.XX C07.5211.XX C07.5212.XX	135.6

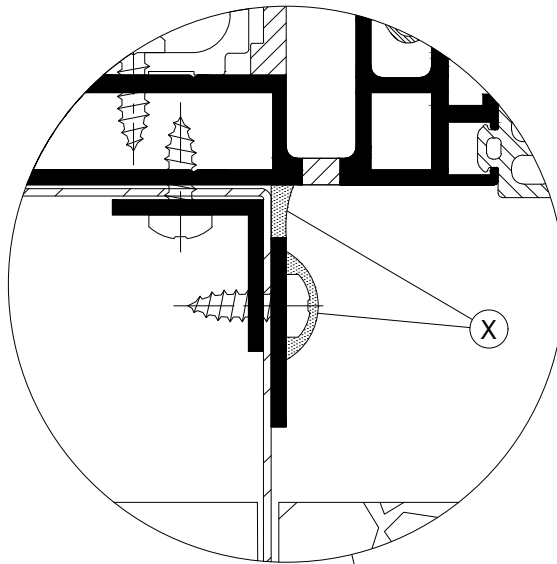




schaal - échelle
scale - Maßstab
1/2

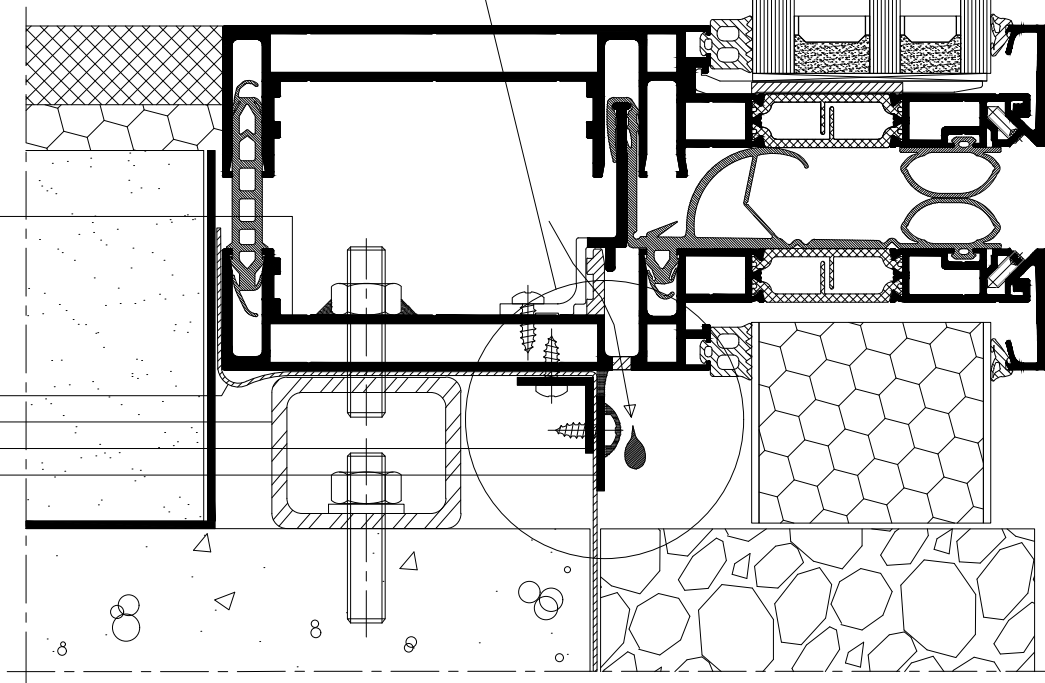


B - B



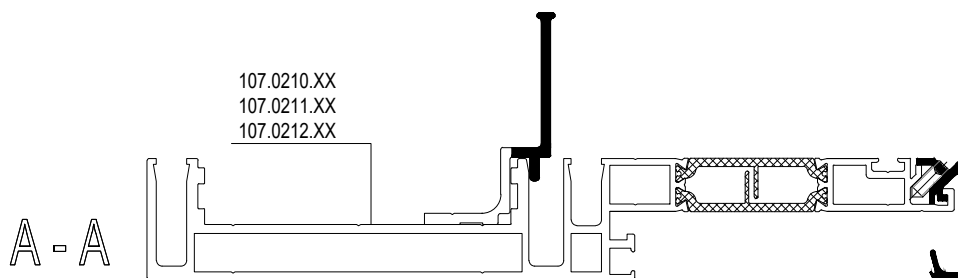
107.0210.XX
107.0211.XX
107.0212.XX

EPDM
OS0.5044.--
OL2.0202.XX
OM0.2502.XX



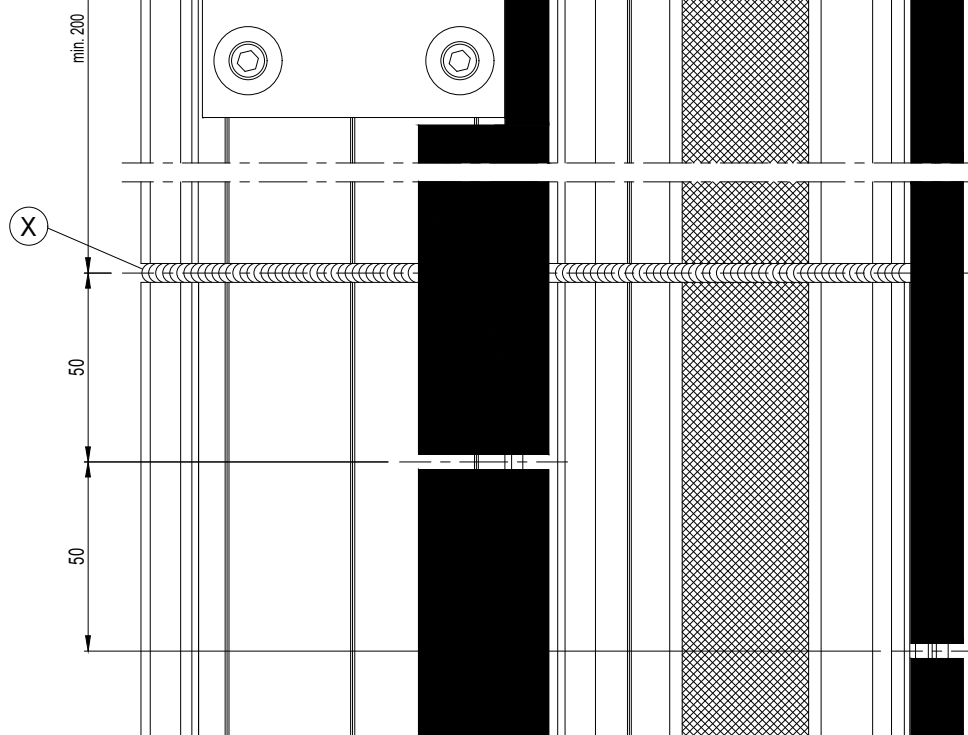
(X)
DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2



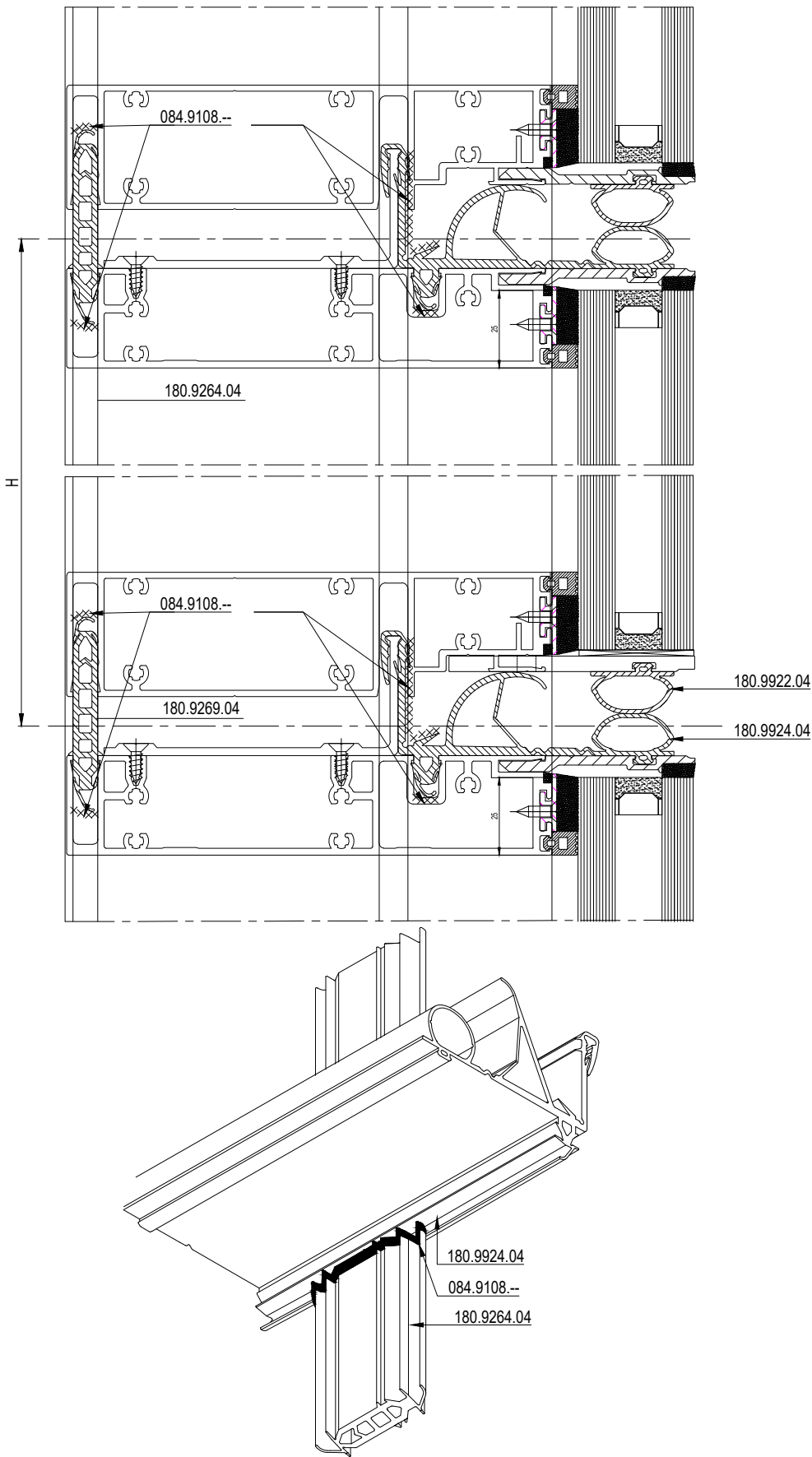
	
n/a	C07.1210.XX C07.1211.XX C07.1212.XX
n/a	C07.2210.XX C07.2211.XX C07.2212.XX
156.6370.XX	107.0210.XX 107.0211.XX 107.0212.XX
C56.3370.XX	C07.3210.XX C07.3211.XX C07.3212.XX
C56.4370.XX	C07.4210.XX C07.4211.XX C07.4212.XX
C56.5370.XX	C07.5210.XX C07.5211.XX C07.5212.XX

156.6370.00



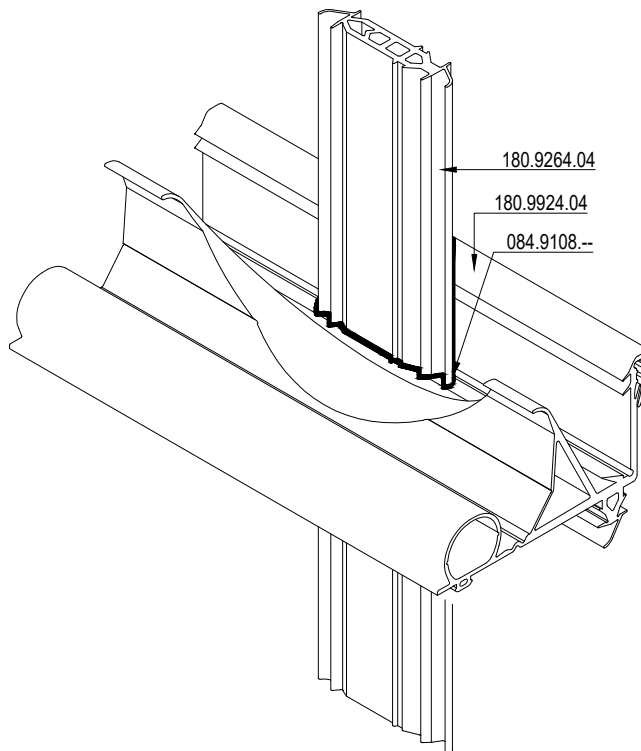
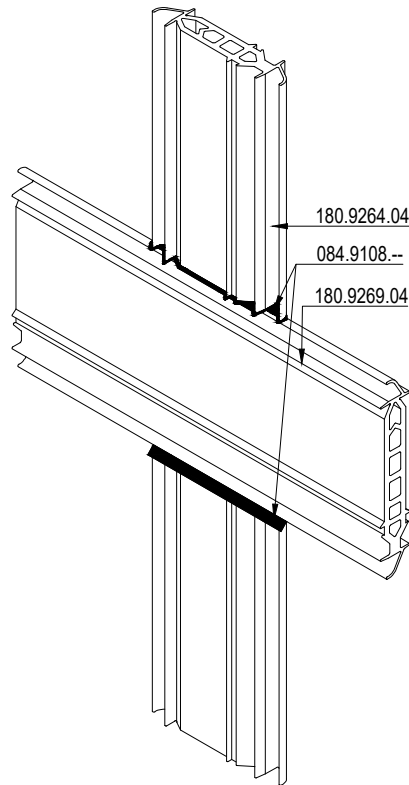
DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

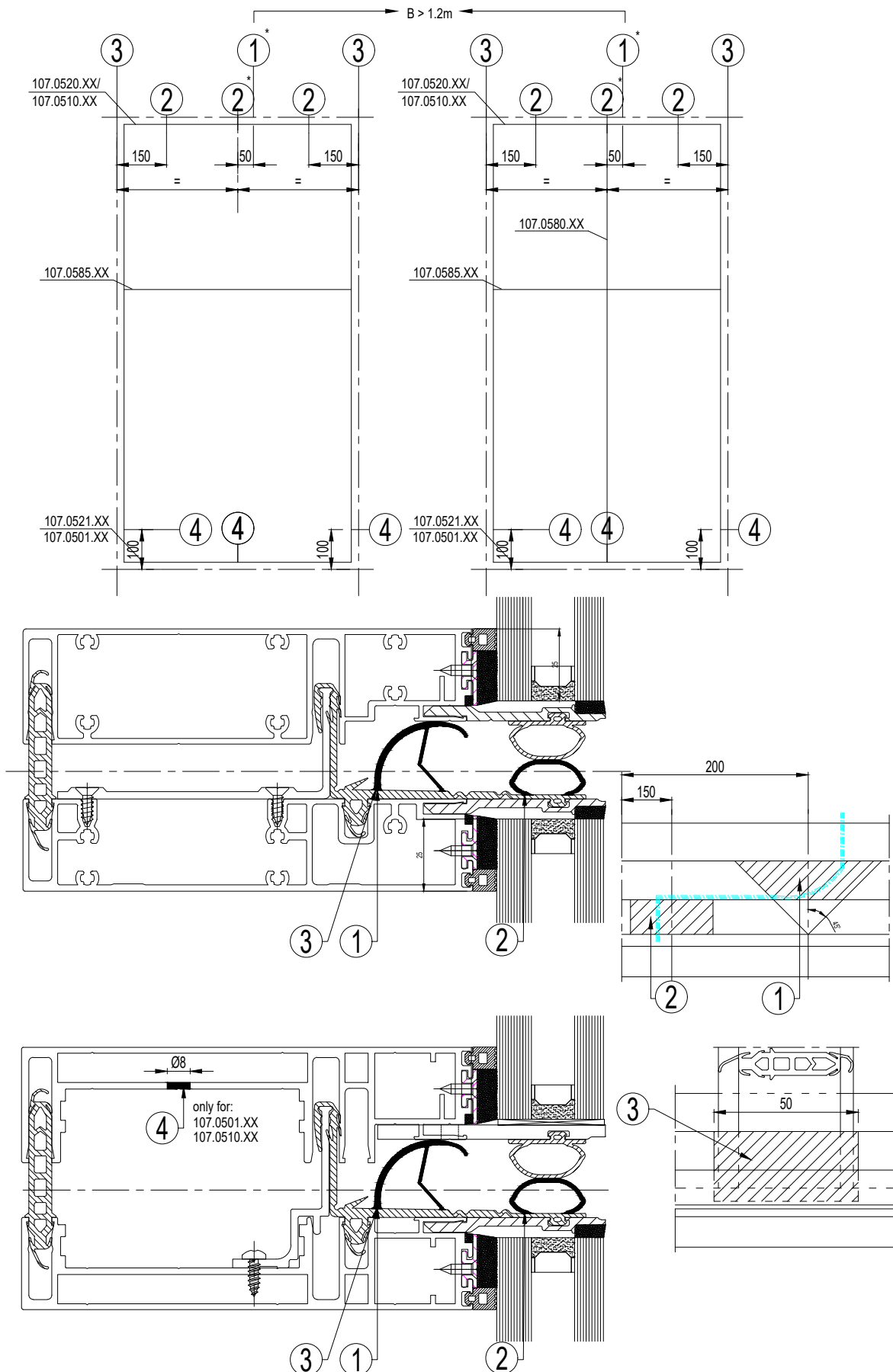
schaal - échelle
scale - Maßstab
1/2



ETAG
002

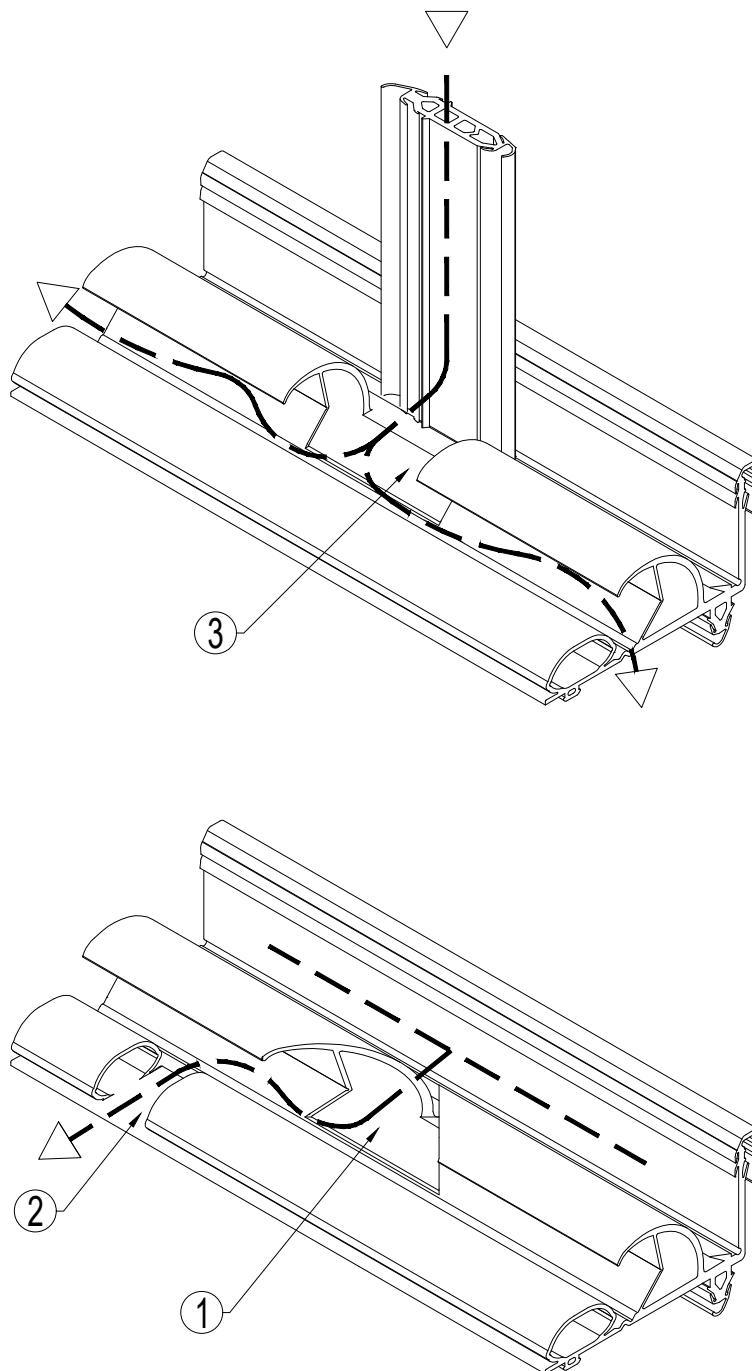
schaal - échelle
scale - Maßstab
1/2

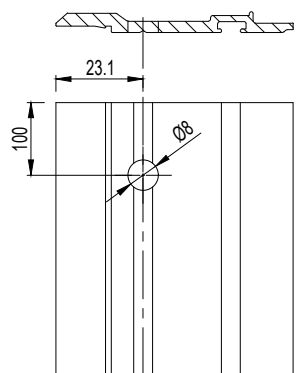
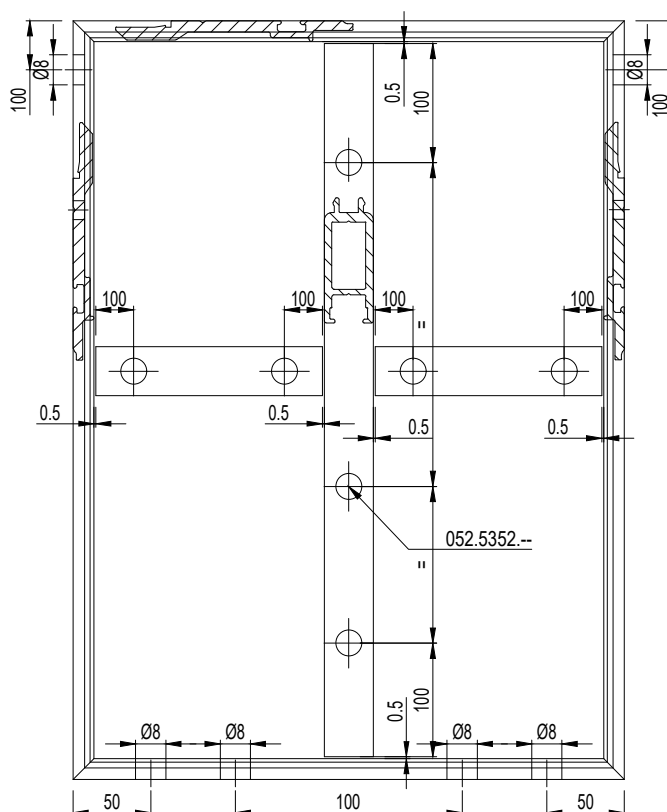
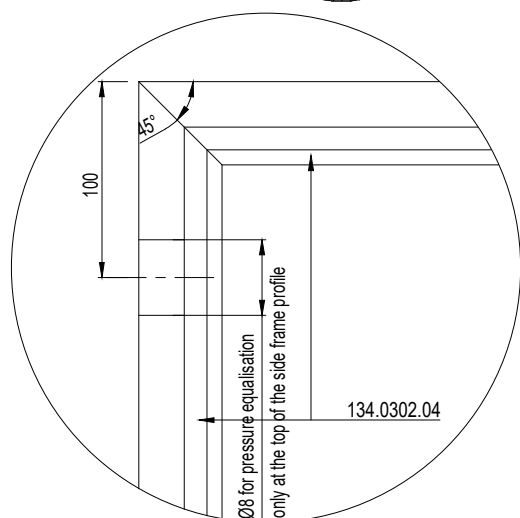
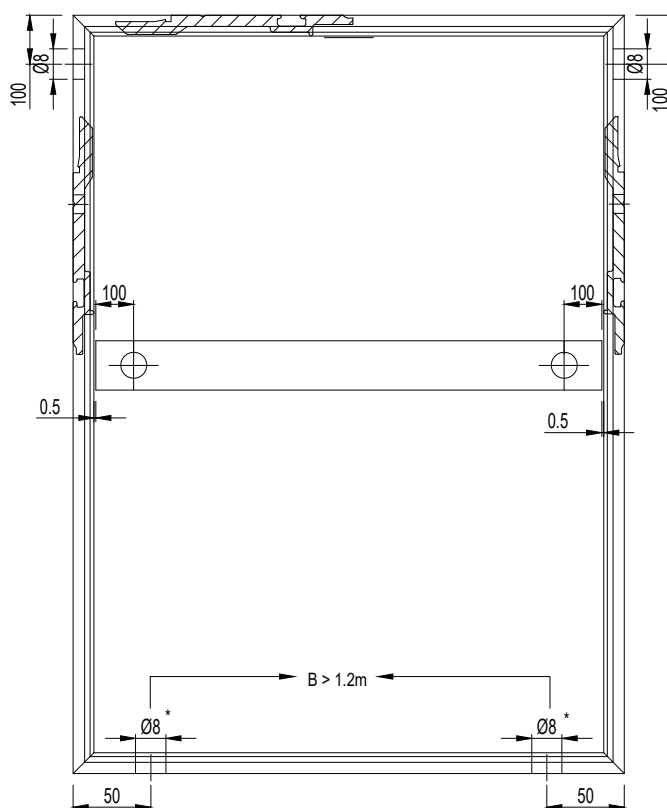
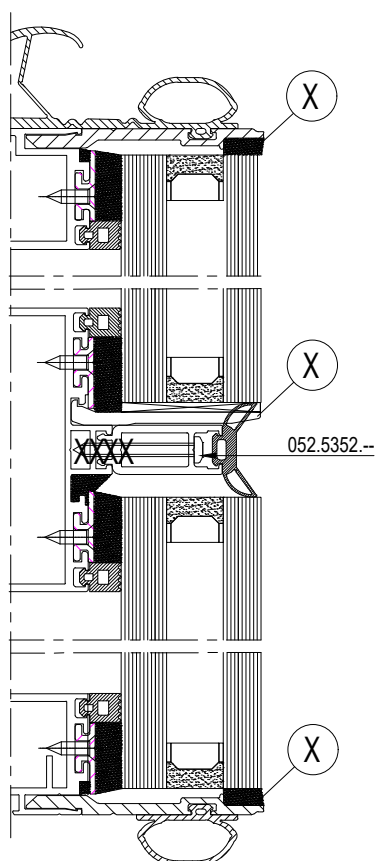




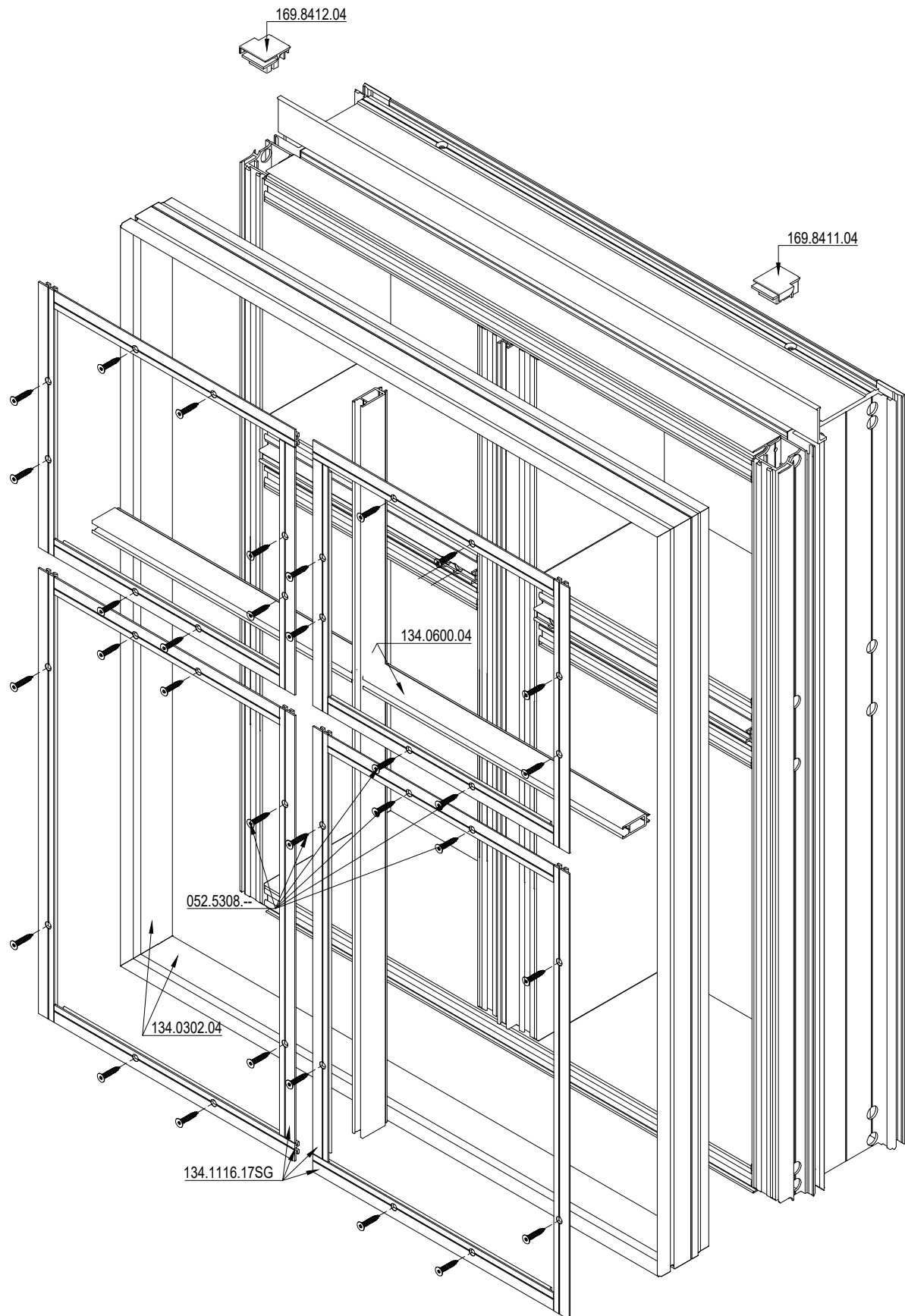
ETAG
002

schaal - échelle
scale - Maßstab
1/2

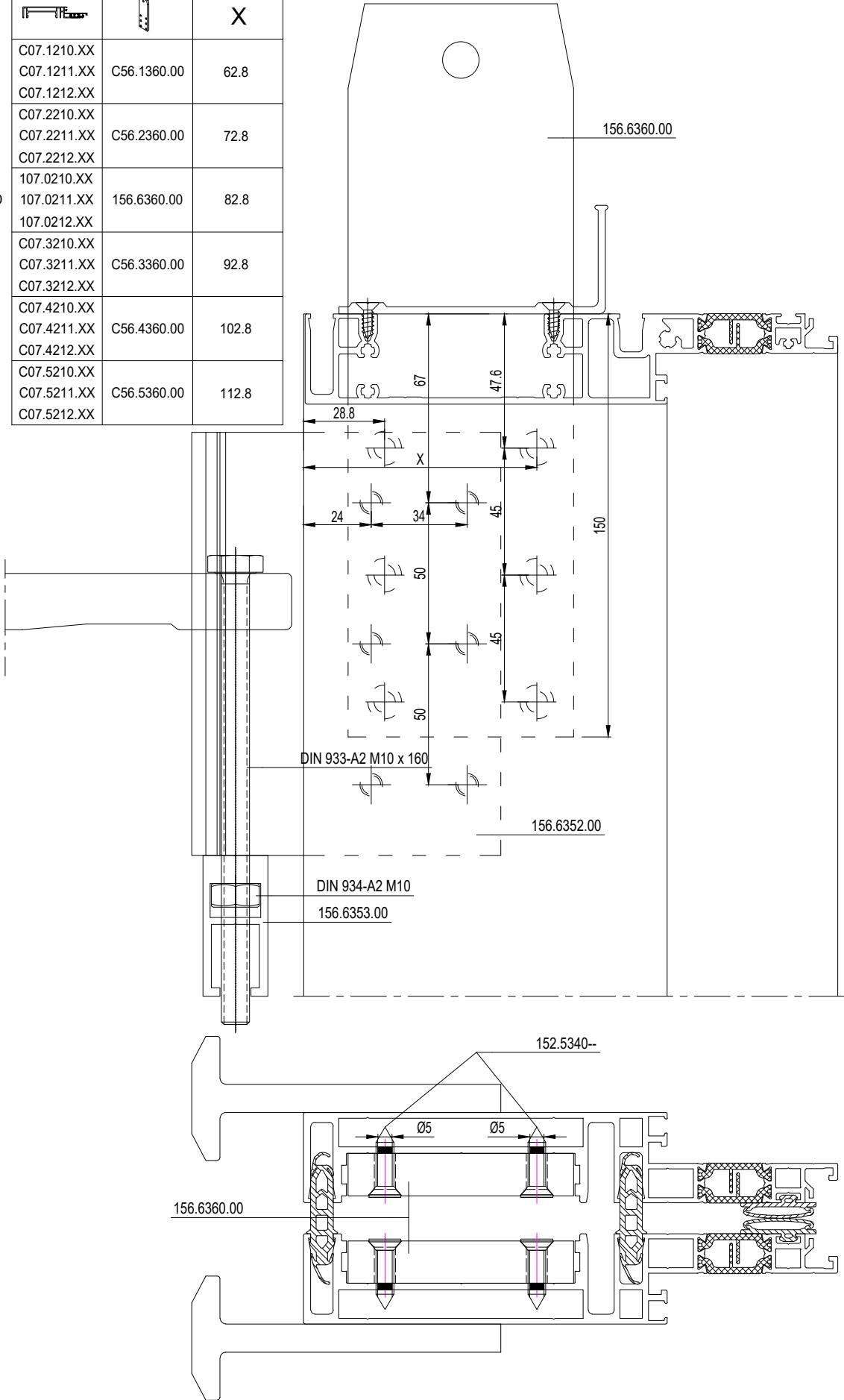


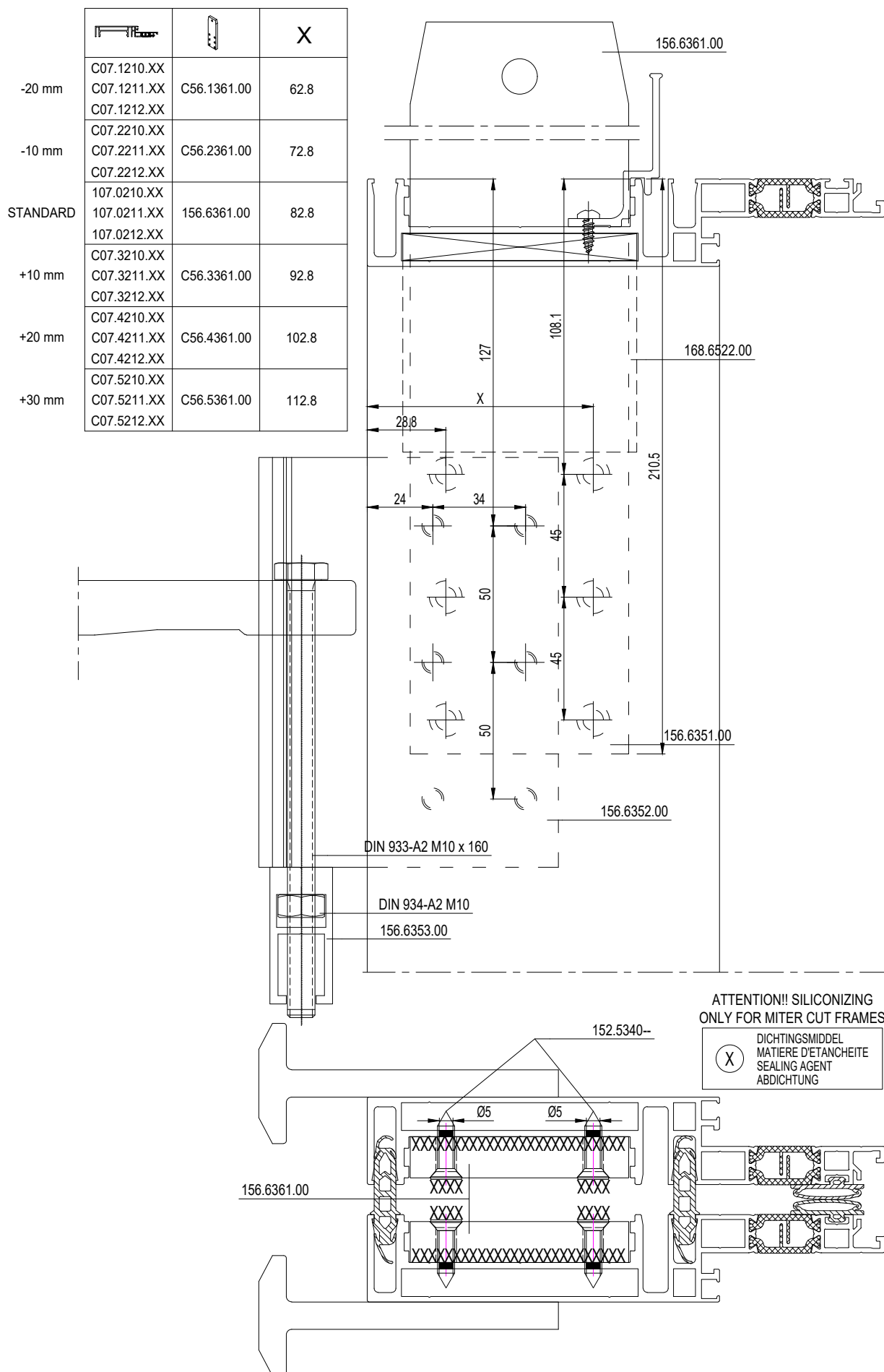


schaal - échelle
 scale - Maßstab
 1/2

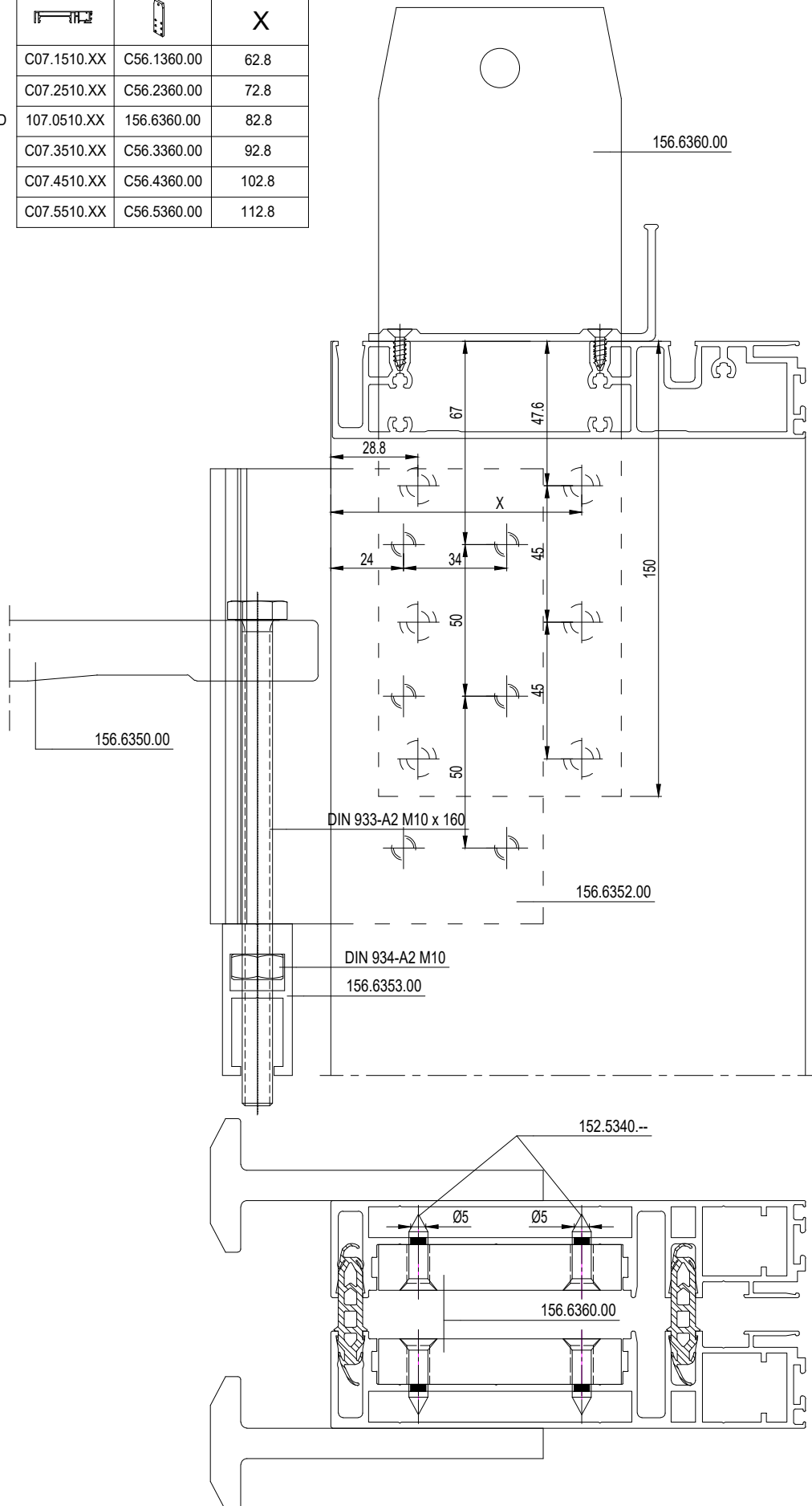


			X
-20 mm	C07.1210.XX	C56.1360.00	62.8
	C07.1211.XX		
	C07.1212.XX		
-10 mm	C07.2210.XX	C56.2360.00	72.8
	C07.2211.XX		
	C07.2212.XX		
STANDARD	107.0210.XX	156.6360.00	82.8
	107.0211.XX		
	107.0212.XX		
+10 mm	C07.3210.XX	C56.3360.00	92.8
	C07.3211.XX		
	C07.3212.XX		
+20 mm	C07.4210.XX	C56.4360.00	102.8
	C07.4211.XX		
	C07.4212.XX		
+30 mm	C07.5210.XX	C56.5360.00	112.8
	C07.5211.XX		
	C07.5212.XX		

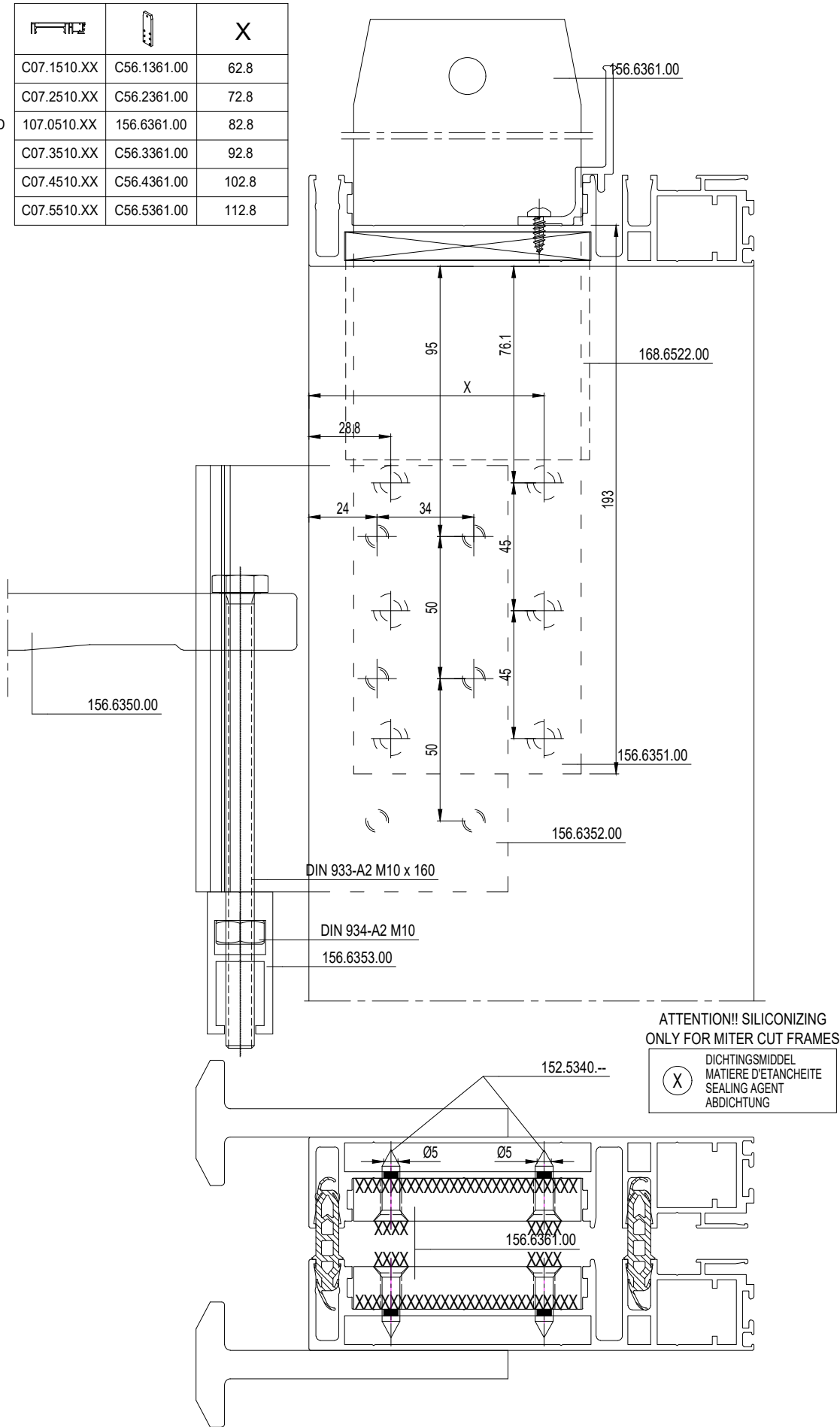


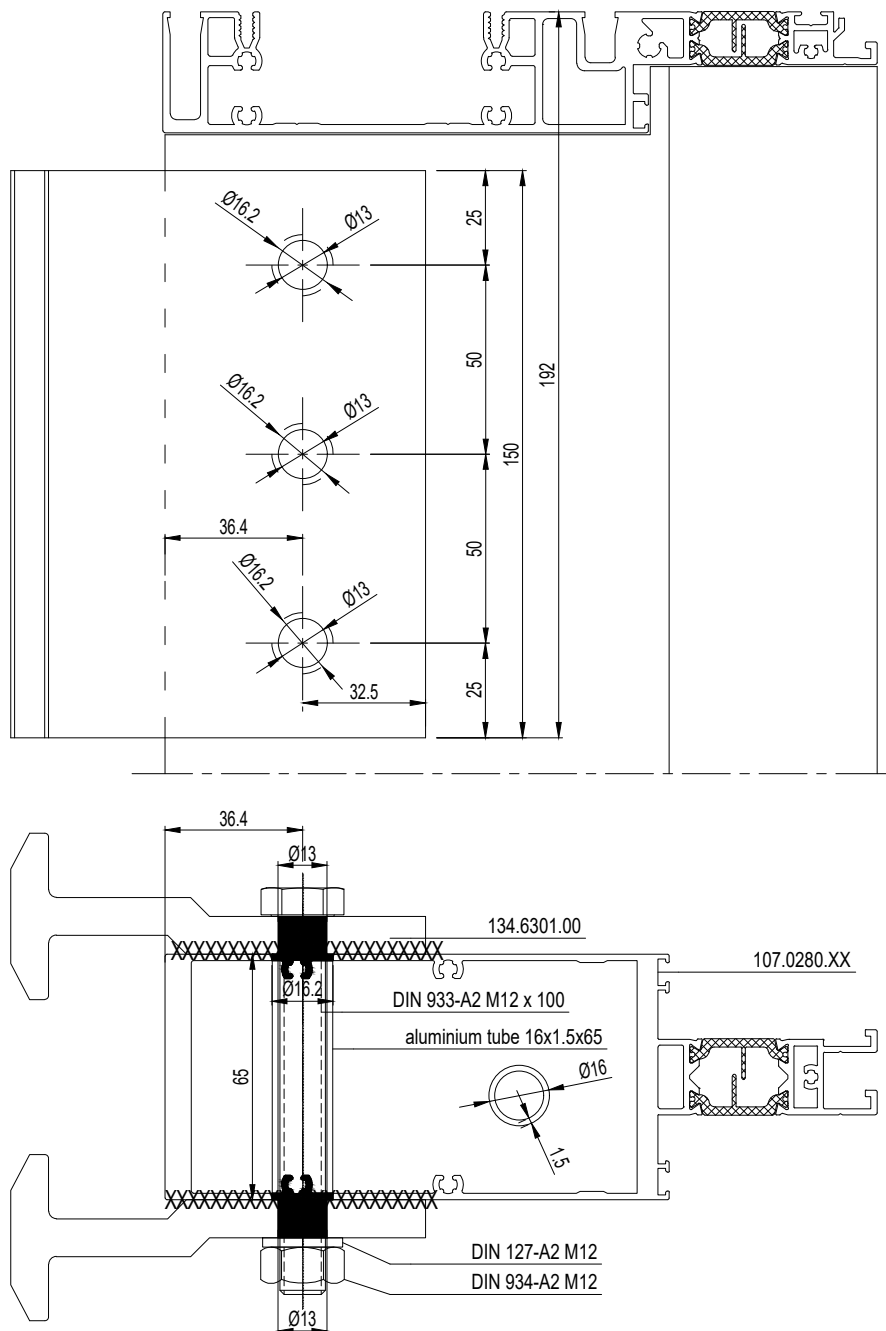


			X
-20 mm	C07.1510.XX	C56.1360.00	62.8
-10 mm	C07.2510.XX	C56.2360.00	72.8
STANDARD	107.0510.XX	156.6360.00	82.8
+10 mm	C07.3510.XX	C56.3360.00	92.8
+20 mm	C07.4510.XX	C56.4360.00	102.8
+30 mm	C07.5510.XX	C56.5360.00	112.8



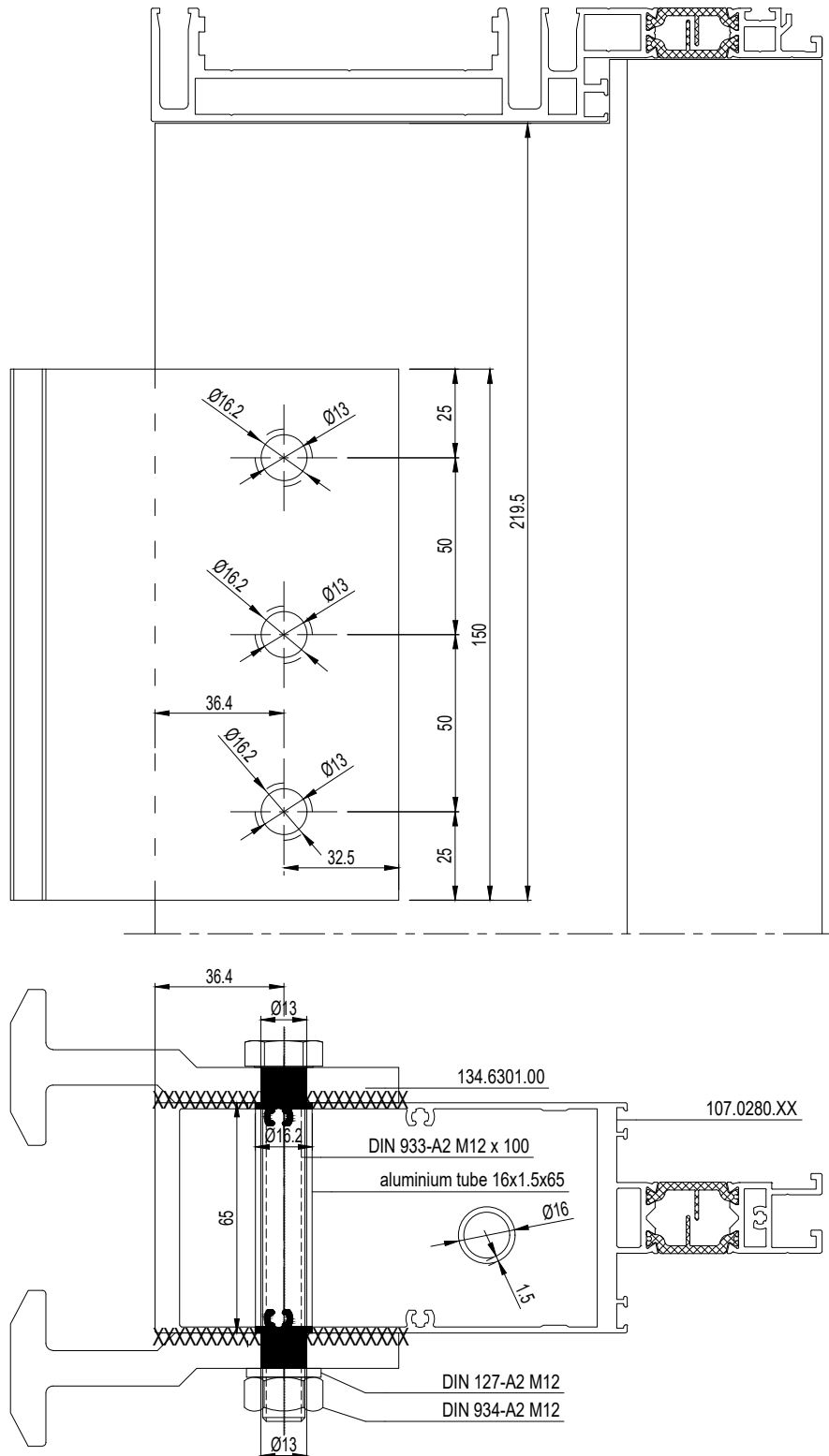
			X
-20 mm	C07.1510.XX	C56.1361.00	62.8
-10 mm	C07.2510.XX	C56.2361.00	72.8
STANDARD	107.0510.XX	156.6361.00	82.8
+10 mm	C07.3510.XX	C56.3361.00	92.8
+20 mm	C07.4510.XX	C56.4361.00	102.8
+30 mm	C07.5510.XX	C56.5361.00	112.8





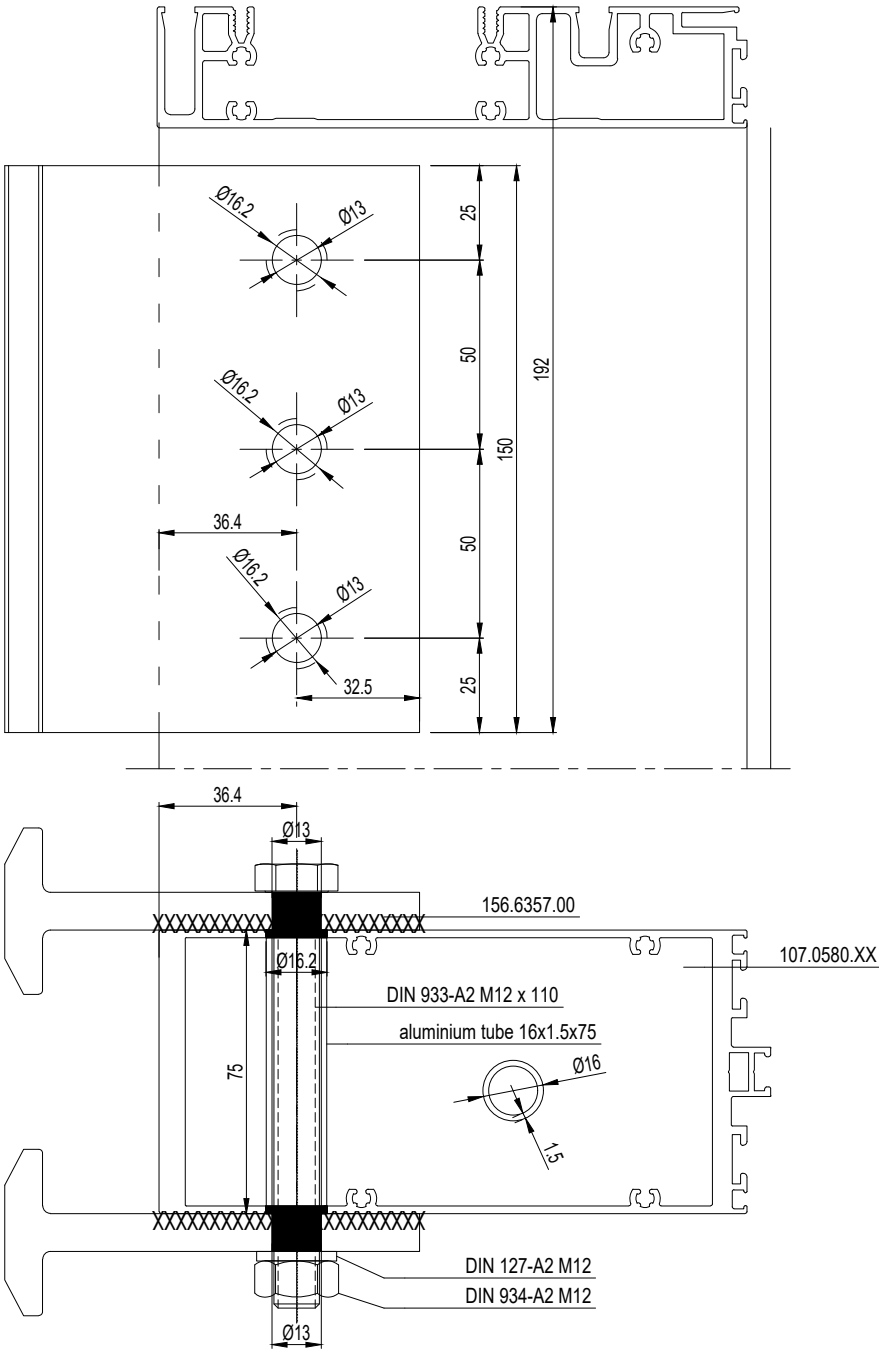
(X) DICHTINGSMIDDEL
 MATIERE D'ÉTANCHEITE
 SEALING AGENT
 ABDICHTUNG

schaal - échelle
 scale - Maßstab
 1/2

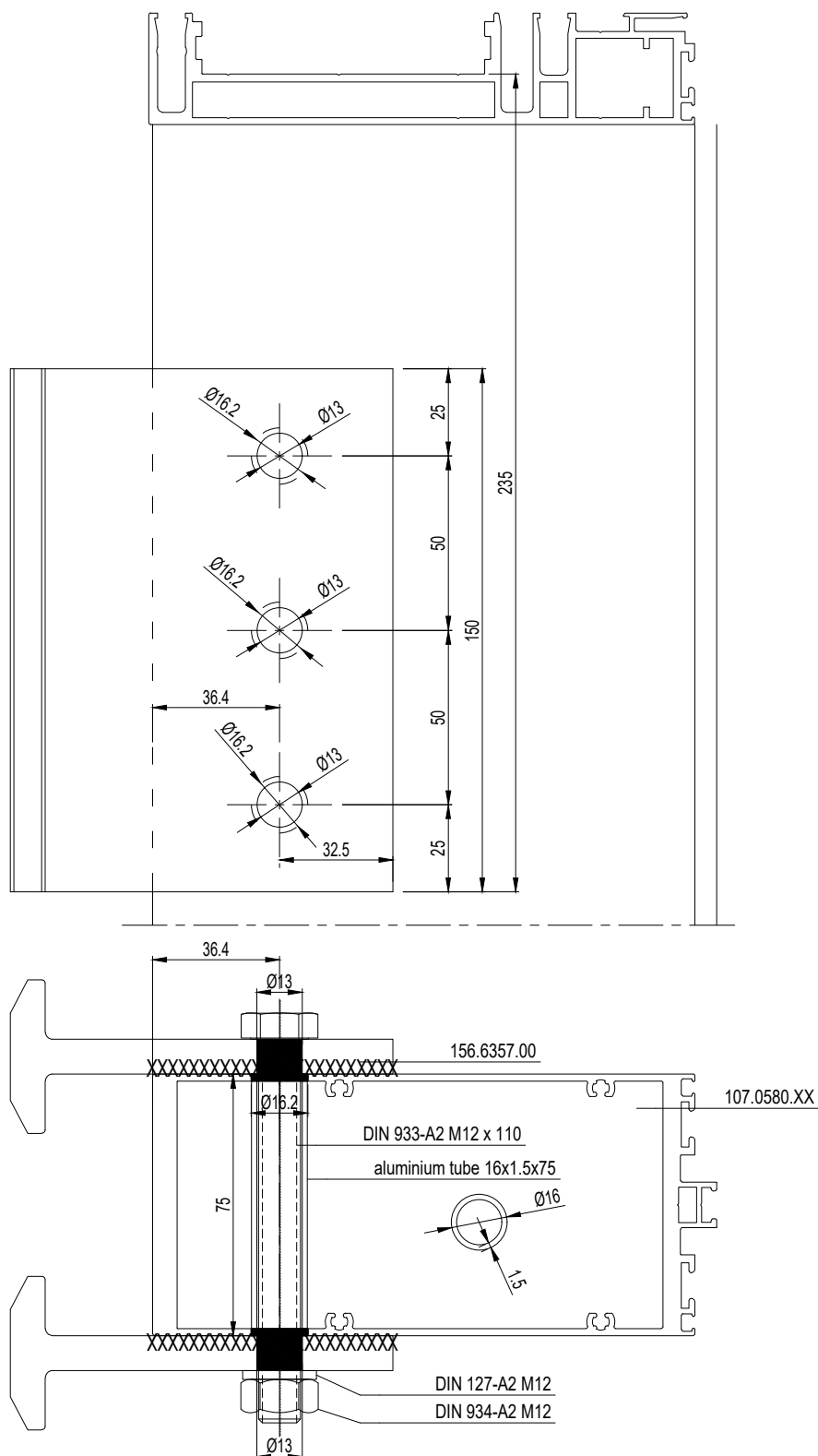


(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

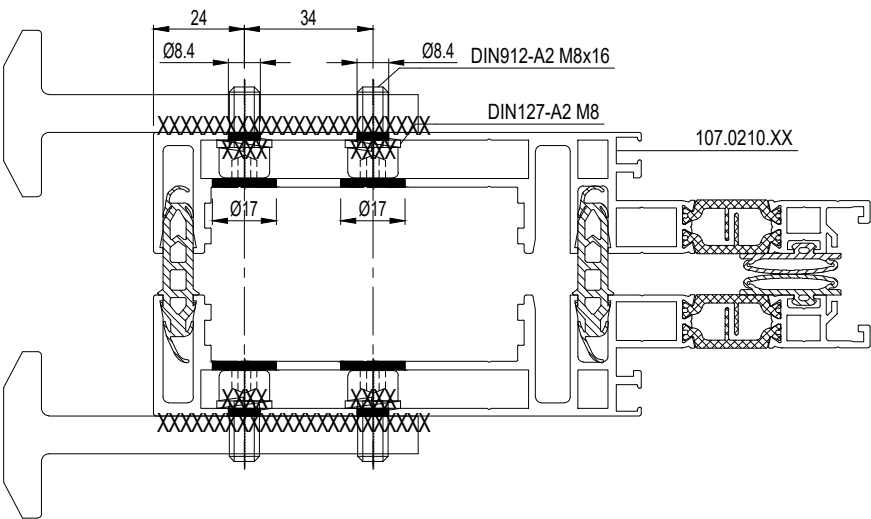
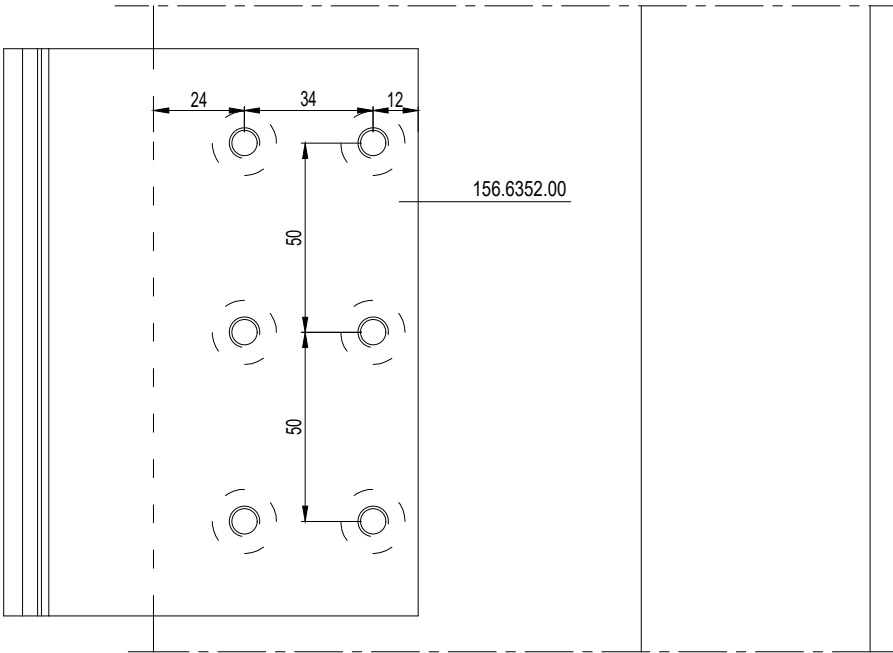
schaal - échelle
scale - Maßstab
1/2



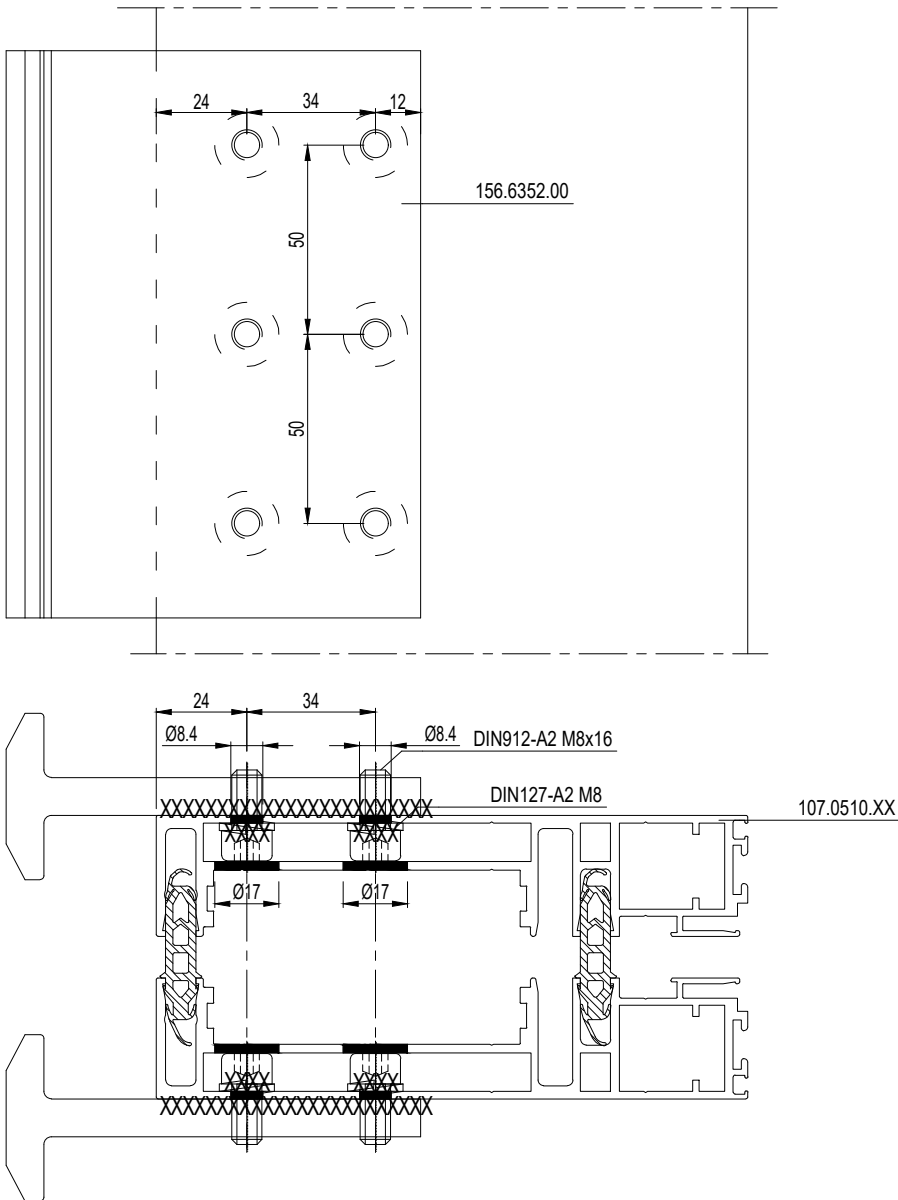
(X) DICHTINGSMIDDEL
MATIERE D'ÉTANCHEITÉ
SEALING AGENT
ABDICHTUNG



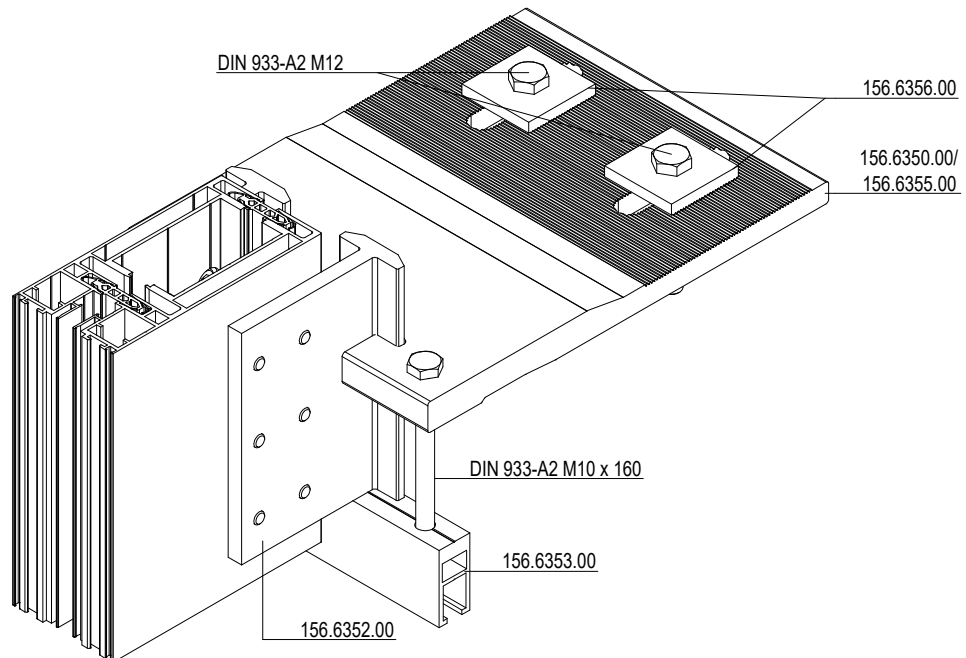
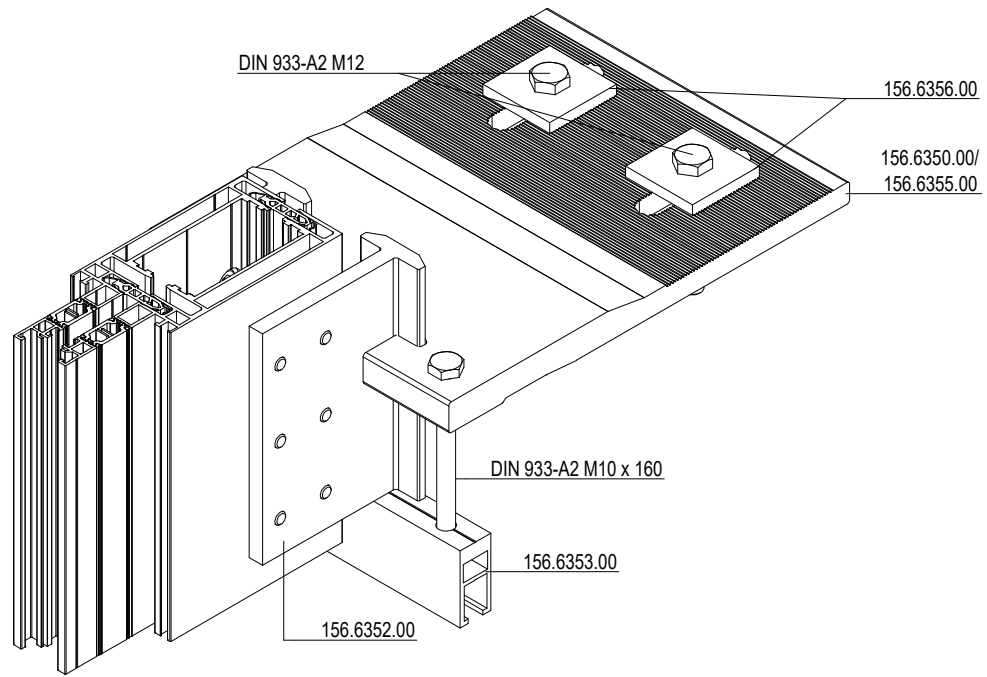
(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

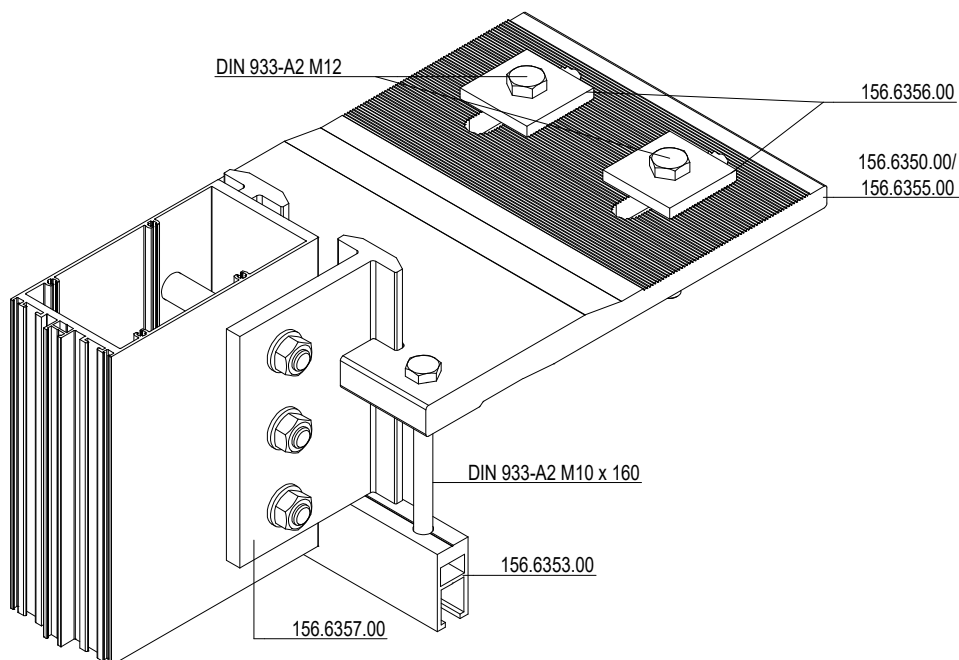
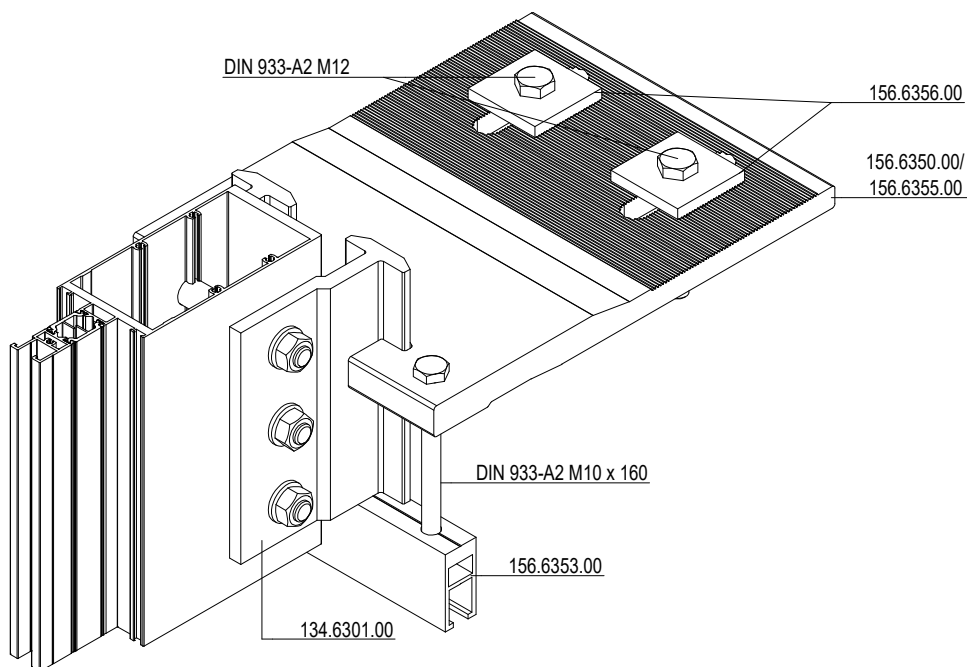


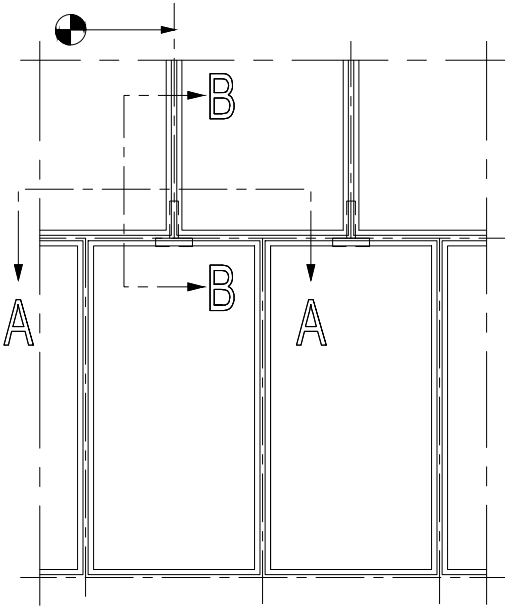
(X) DICHTINGSMIDDEL
MATIERE D'ÉTANCHEITE
SEALING AGENT
ABDICHTUNG



(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG



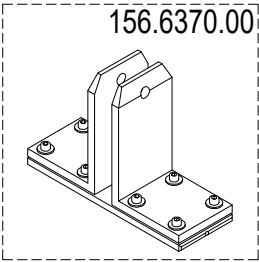




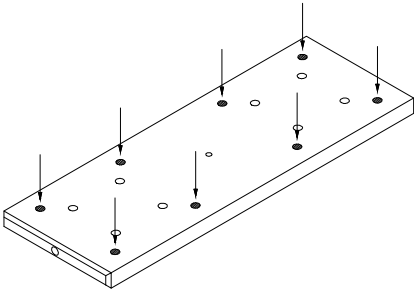
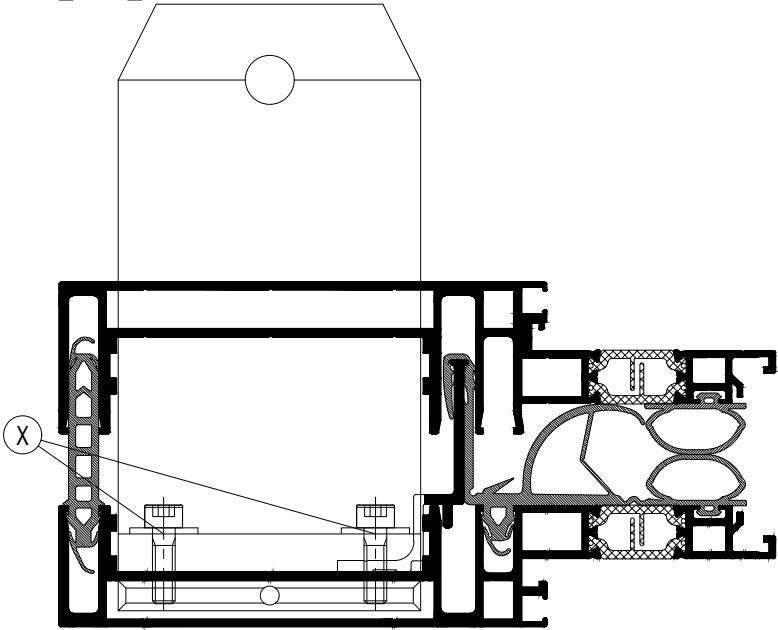
MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 2 3 .

(X) DICHTINGSMIDDEL
MATIÈRE D'ÉTANCHEITÉ
SEALING AGENT
ABDICHTUNG



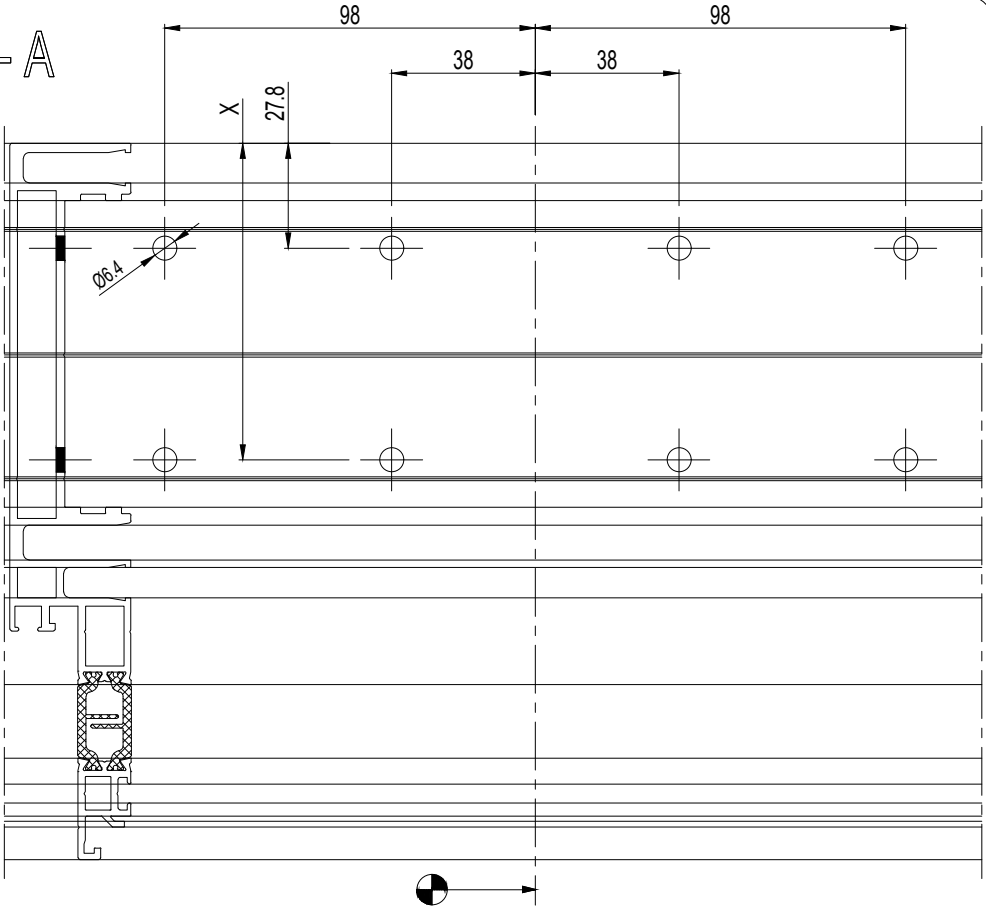
B - B



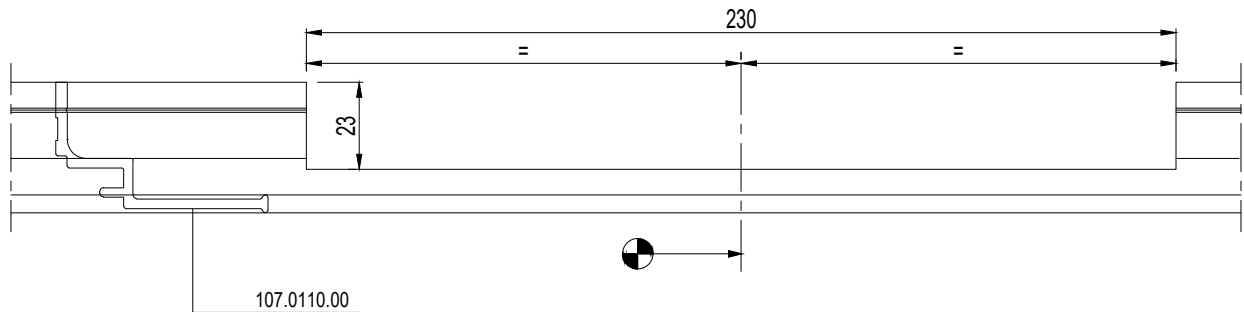
1

A - A

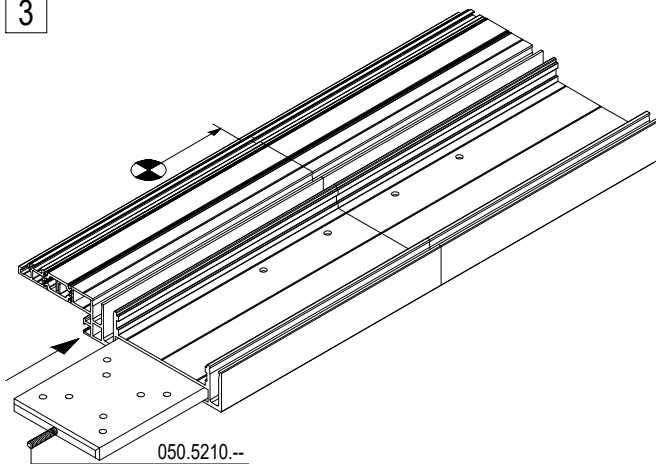
			X
-20 mm	n/a	C07.1210.XX C07.1211.XX C07.1212.XX	
-10 mm	n/a	C07.2210.XX C07.2211.XX C07.2212.XX	
STANDARD	156.6370.00	107.0210.XX 107.0211.XX 107.0212.XX	83.8
+10 mm	C56.3370.00	C07.3210.XX C07.3211.XX C07.3212.XX	93.8
+20 mm	C56.4370.00	C07.4210.XX C07.4211.XX C07.4212.XX	103.8
+30 mm	C56.5370.00	C07.5210.XX C07.5211.XX C07.5212.XX	113.8



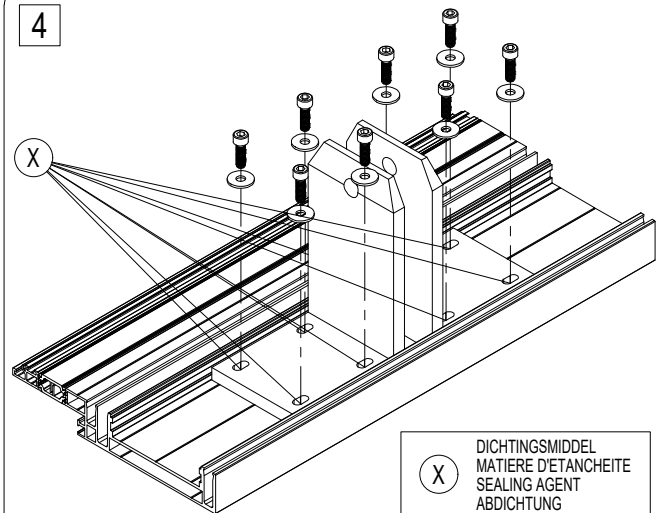
2



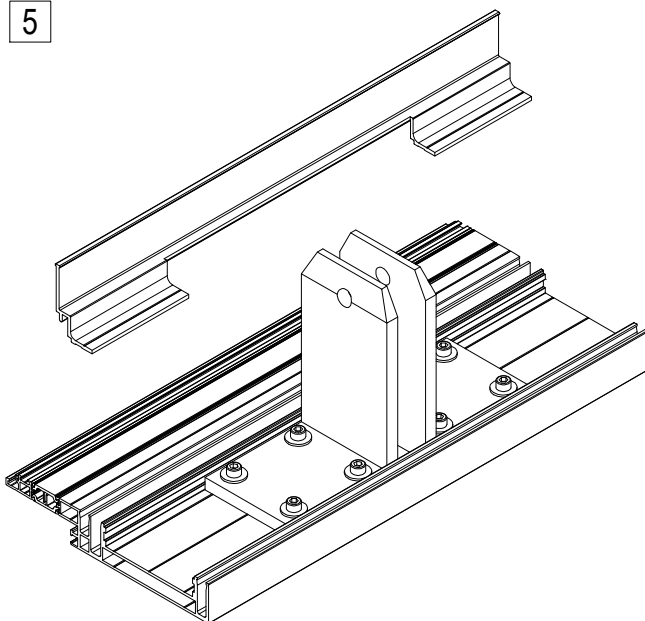
3



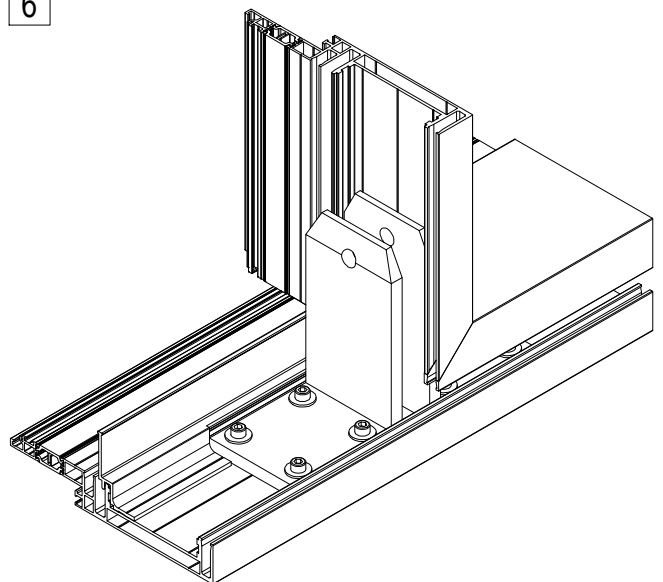
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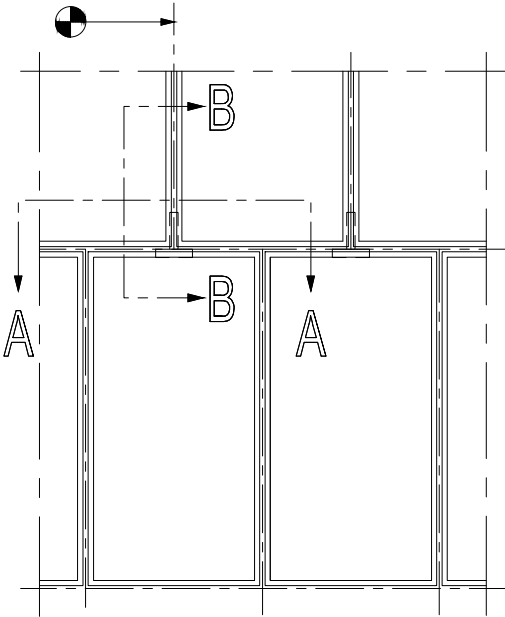


5



6





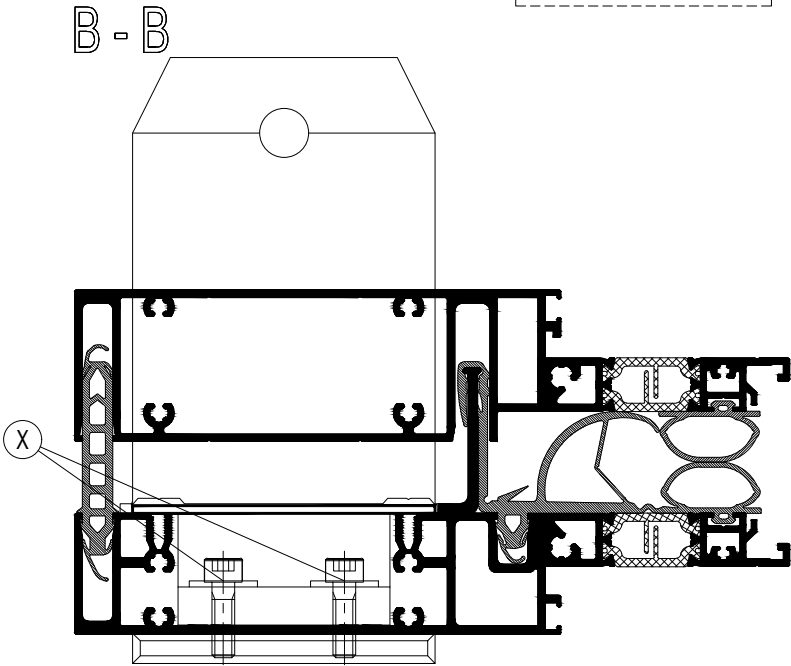
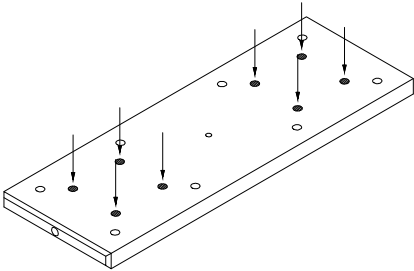
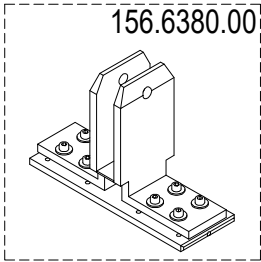
MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1

2

3

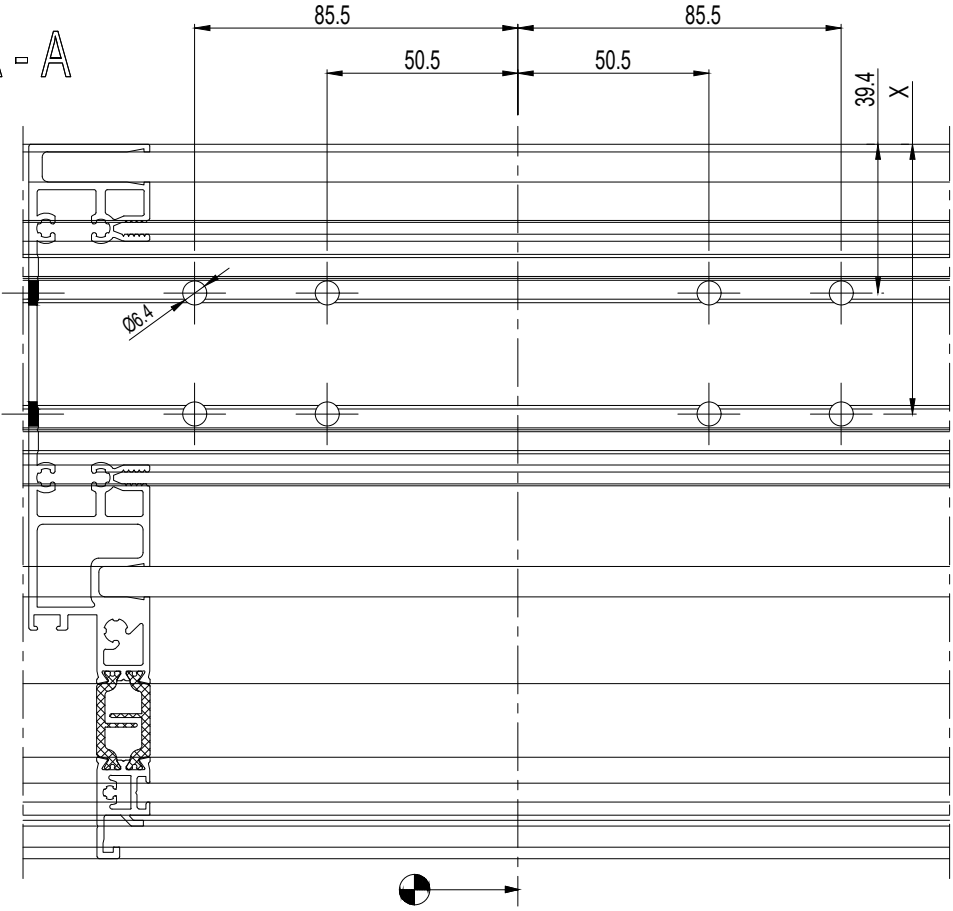
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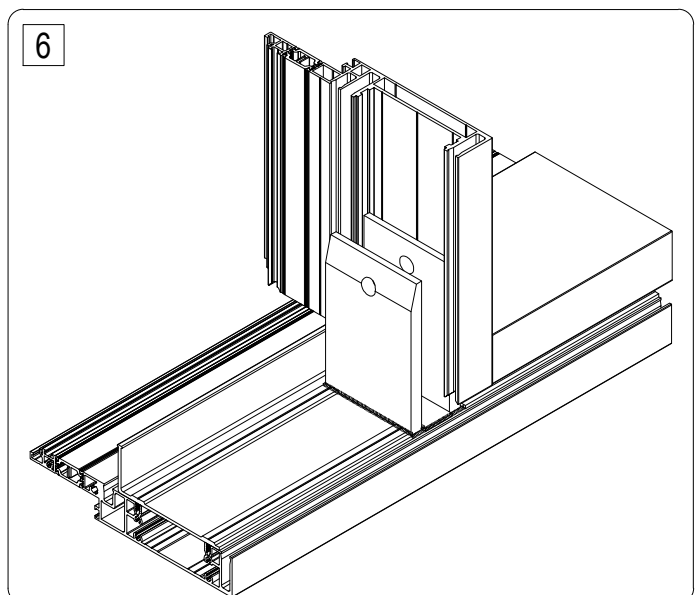
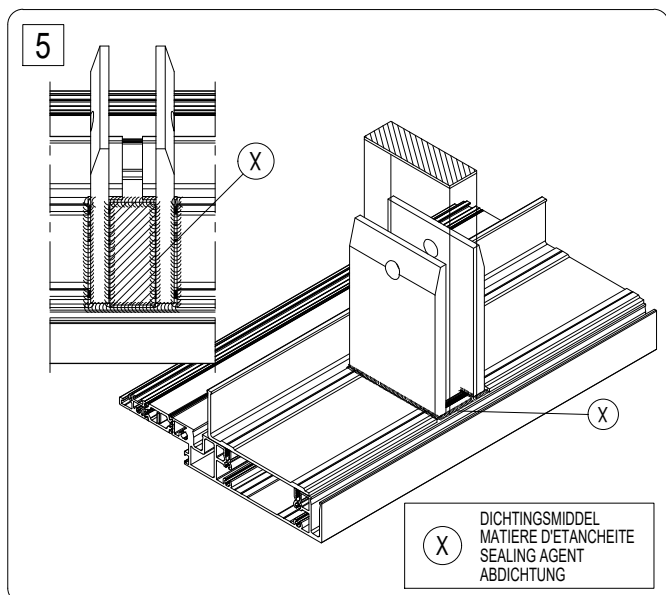
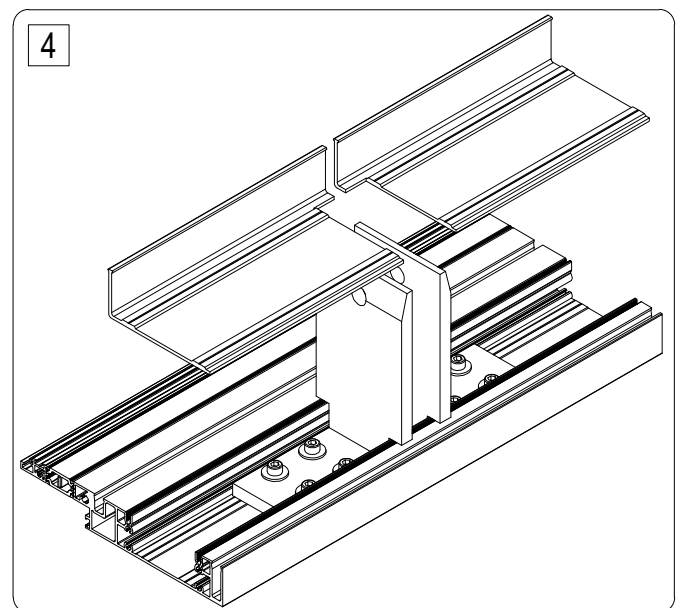
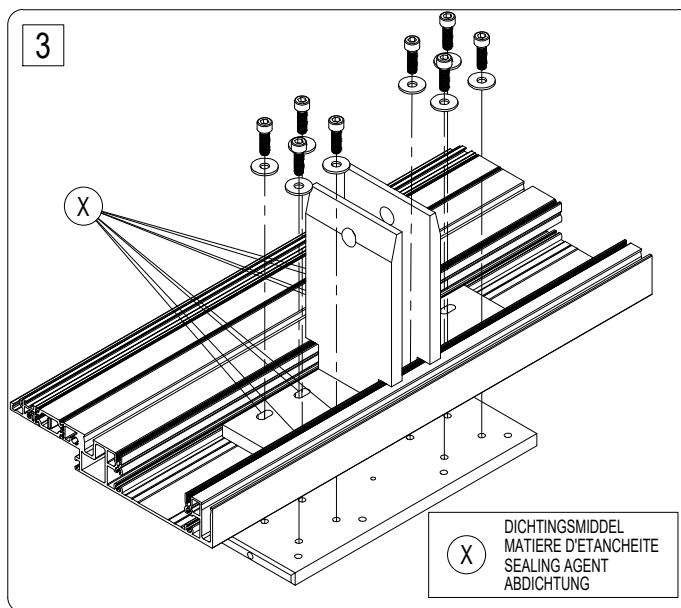
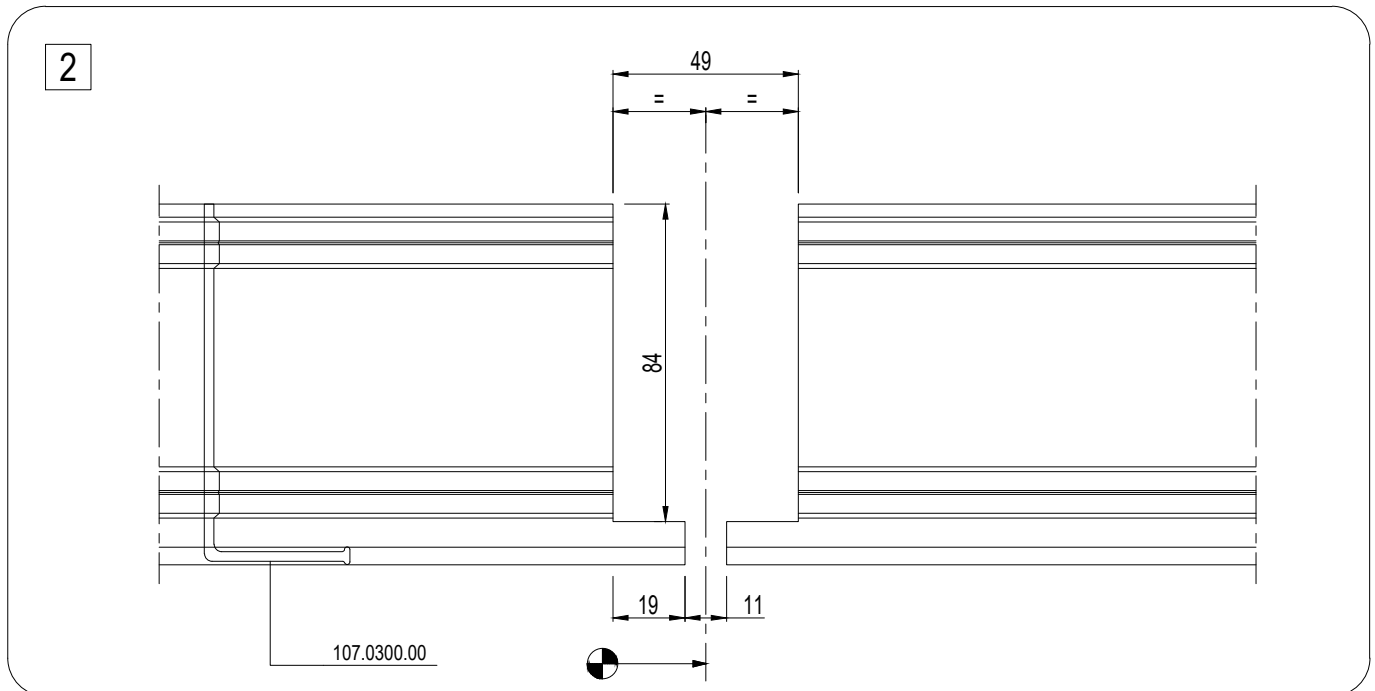


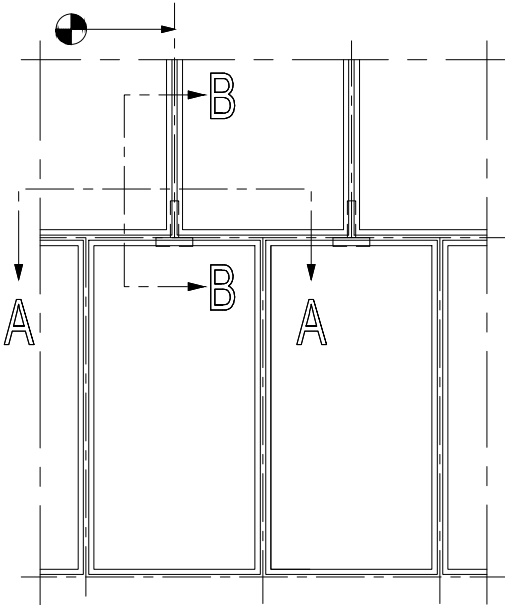
1

A - A

		X
n/a	C07.1400.XX C07.1401.XX C07.1402.XX	
n/a	C07.2400.XX C07.2401.XX C07.2402.XX	
156.6380.XX	107.0400.XX 107.0401.XX 107.0402.XX	71.4
C56.3380.XX	C07.3400.XX C07.3401.XX C07.3402.XX	81.4
C56.4380.XX	C07.4400.XX C07.4401.XX C07.4402.XX	91.4
C56.5380.XX	C07.5400.XX C07.5401.XX C07.5402.XX	101.4

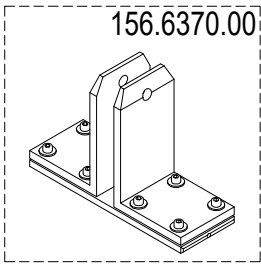




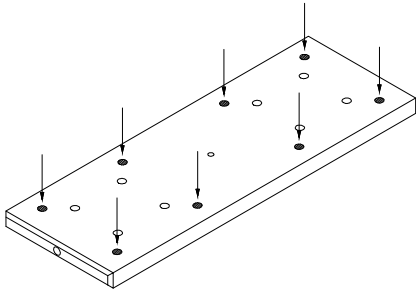
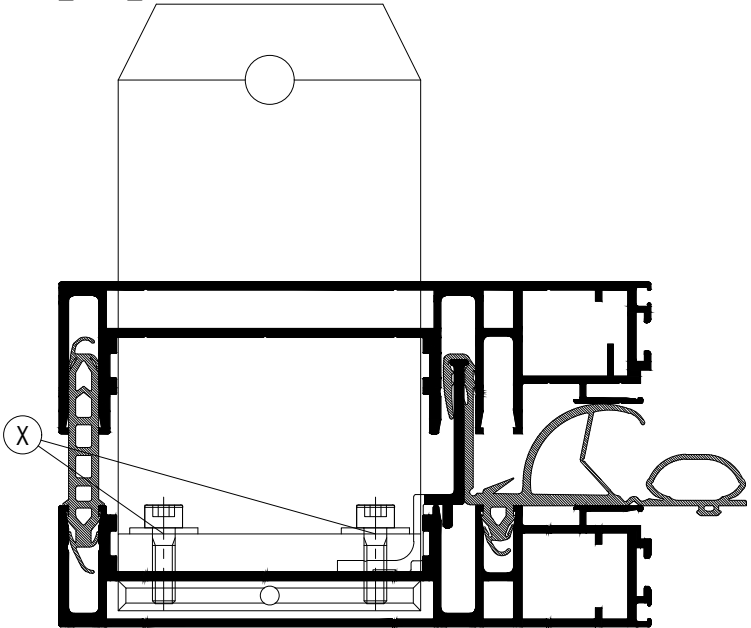


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1	2	3	.
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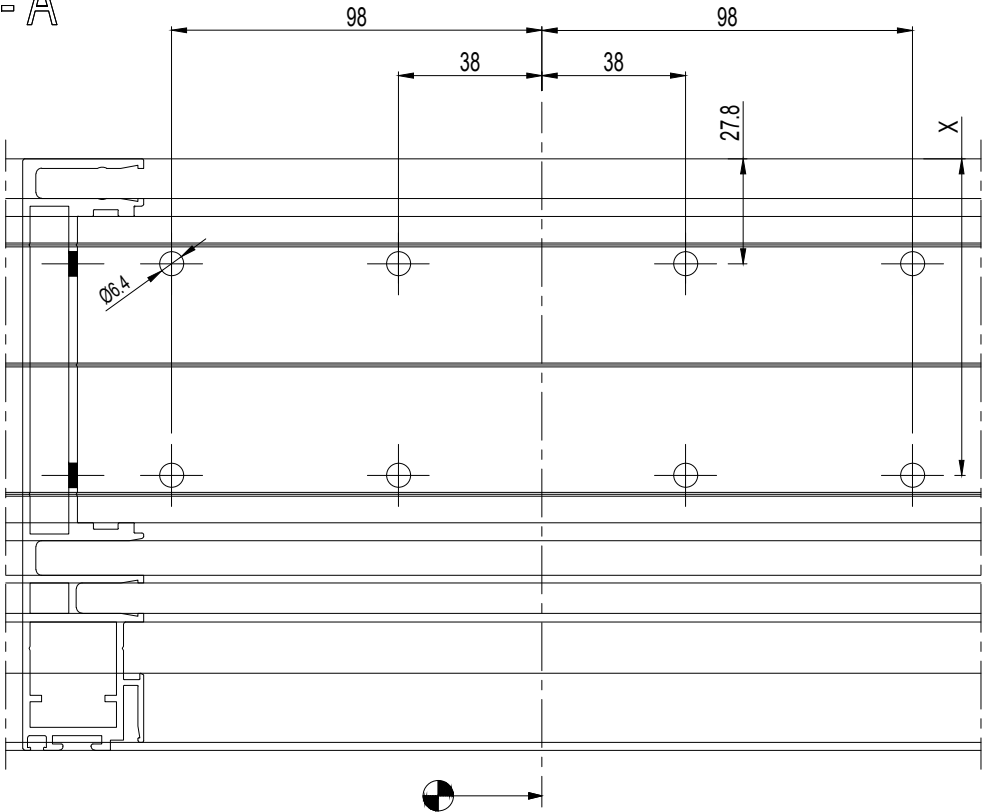
B - B



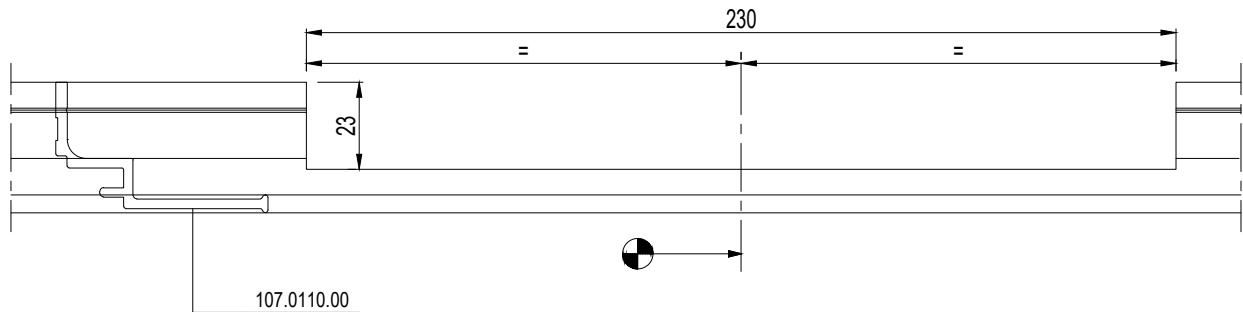
1

A - A

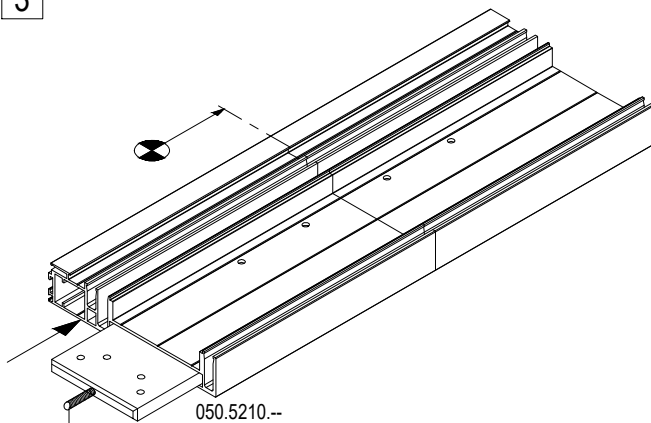
		X
n/a	C07.1510.XX	
n/a	C07.2510.XX	
156.6370.00	107.0510.XX	83.8
C56.3370.00	C07.3510.XX	93.8
C56.4370.00	C07.4510.XX	103.8
C56.5370.00	C07.5510.XX	113.8



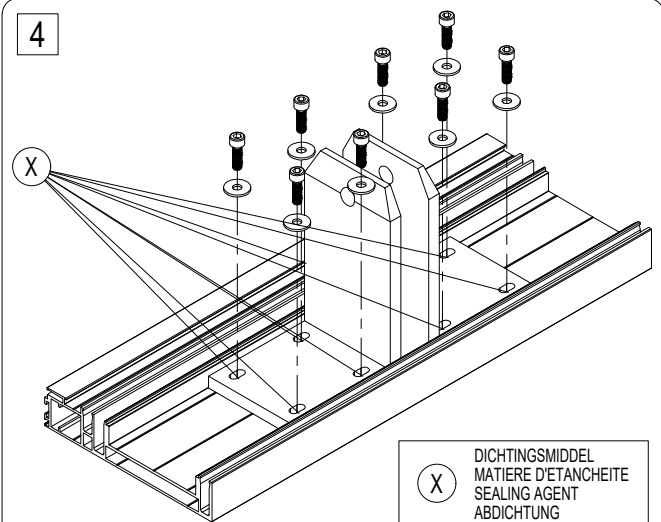
2



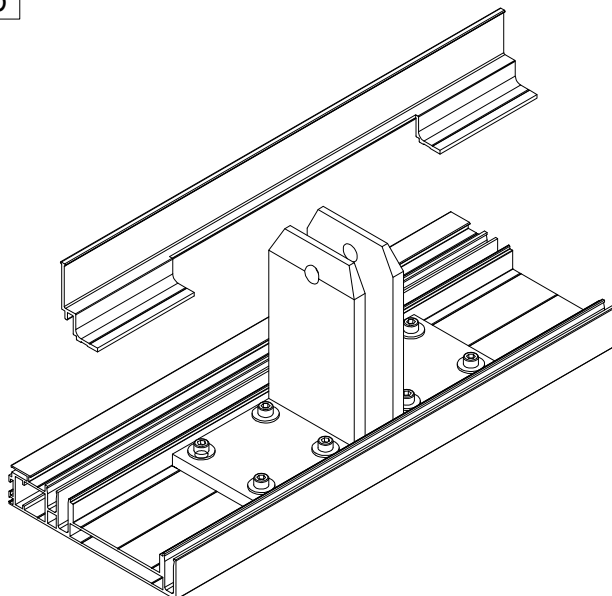
3



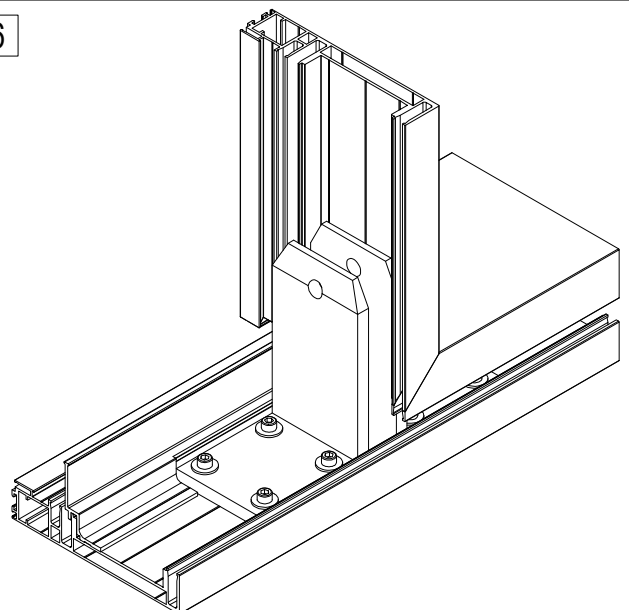
4

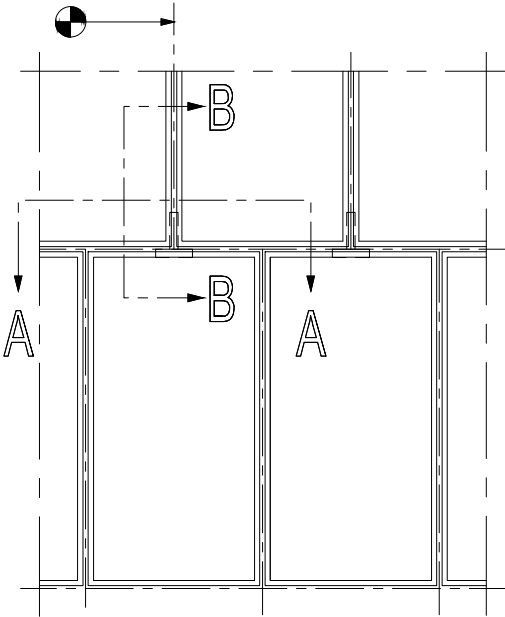


5



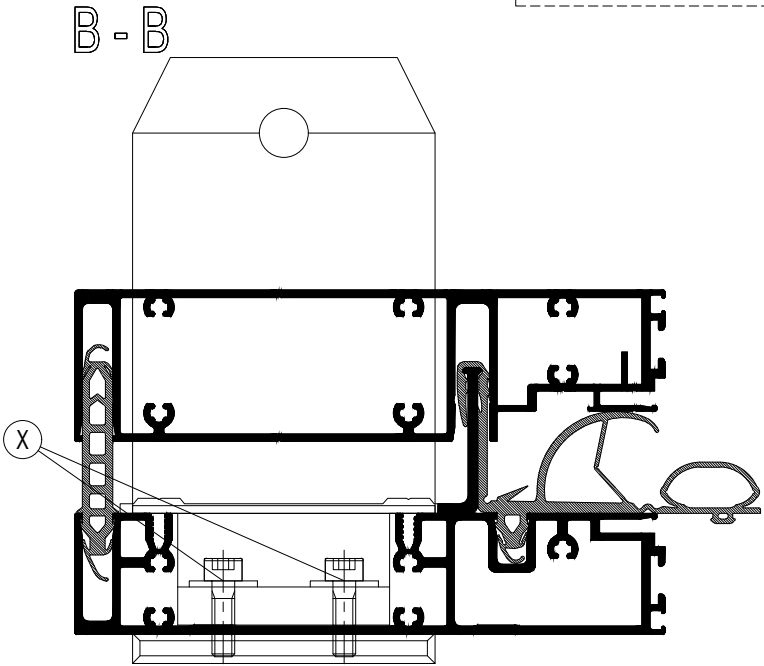
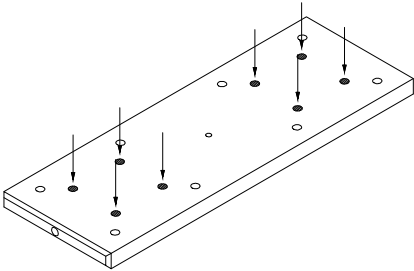
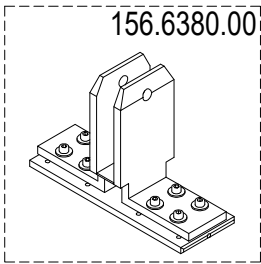
6





MONTAGE SÉQUENCIAL
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

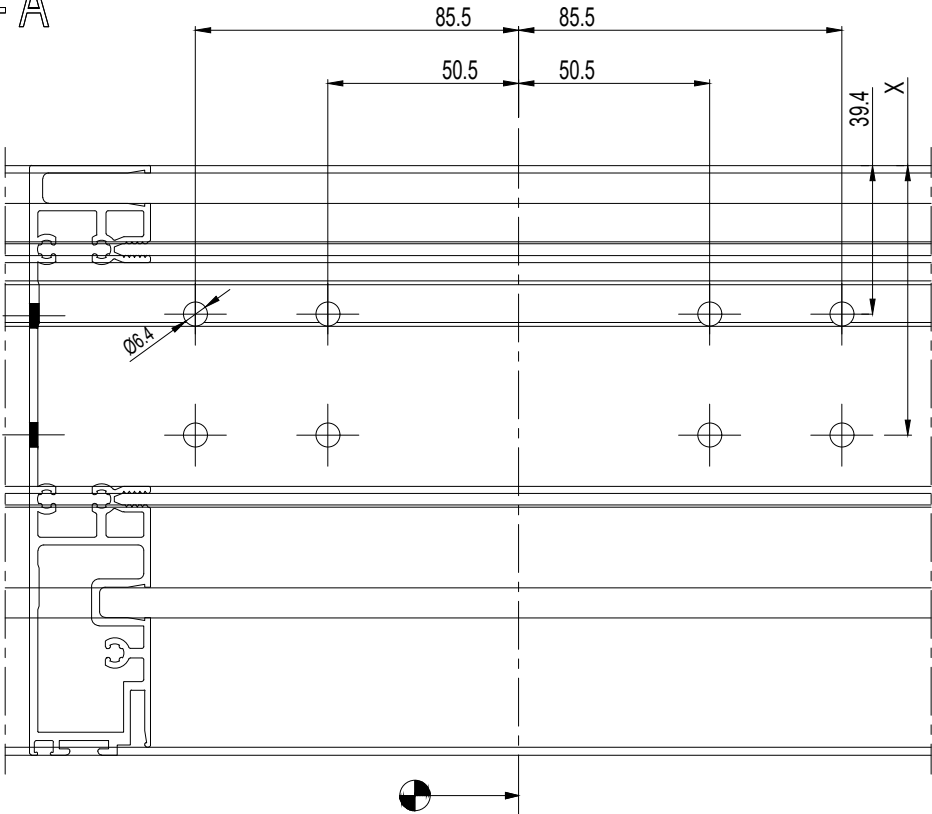
1	2	3	.
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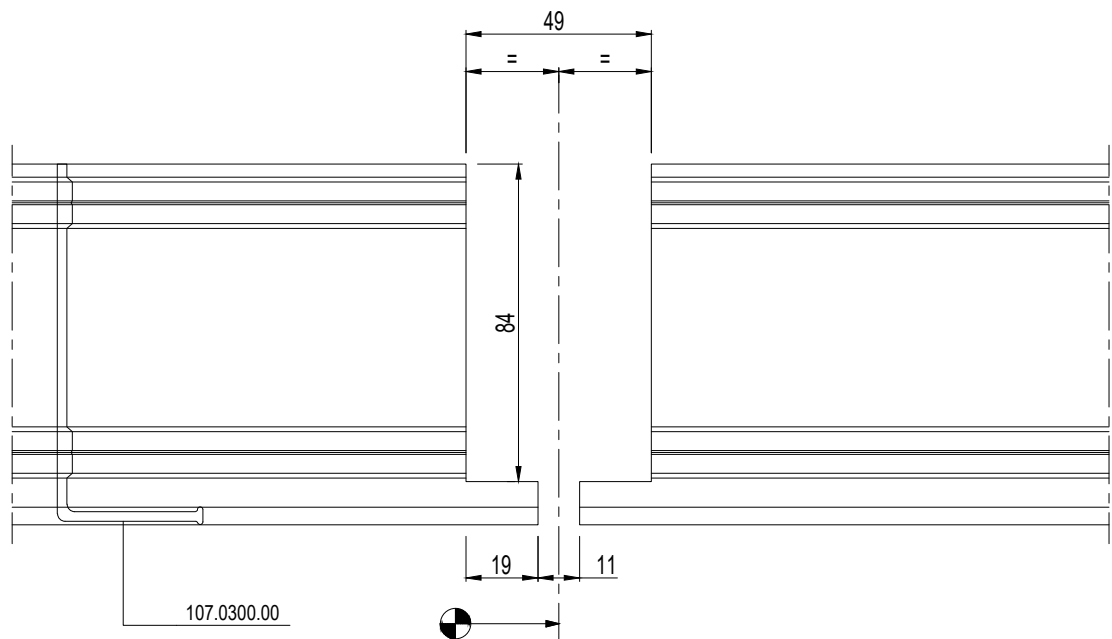
1

A - A

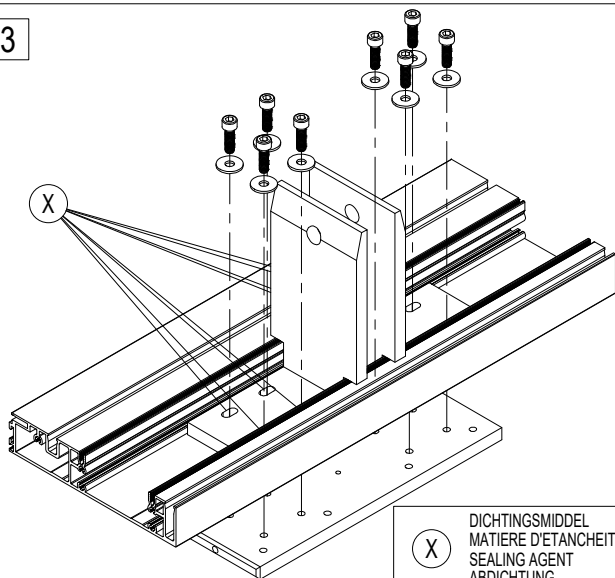
		X
-20 mm	n/a	C07.1520.XX
-10 mm	n/a	C07.2520.XX
STANDARD	156.6380.XX	107.0520.XX 71.4
+10 mm	C56.3380.XX	C07.3520.XX 81.4
+20 mm	C56.4380.XX	C07.4520.XX 91.4
+30 mm	C56.5380.XX	C07.5520.XX 101.4



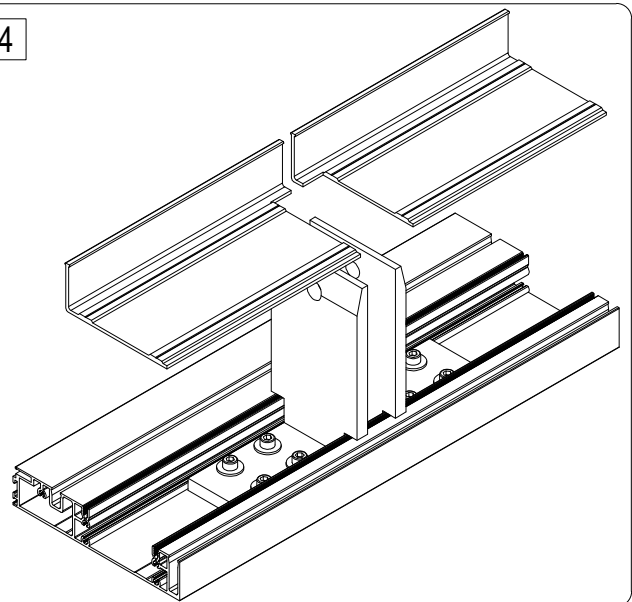
2



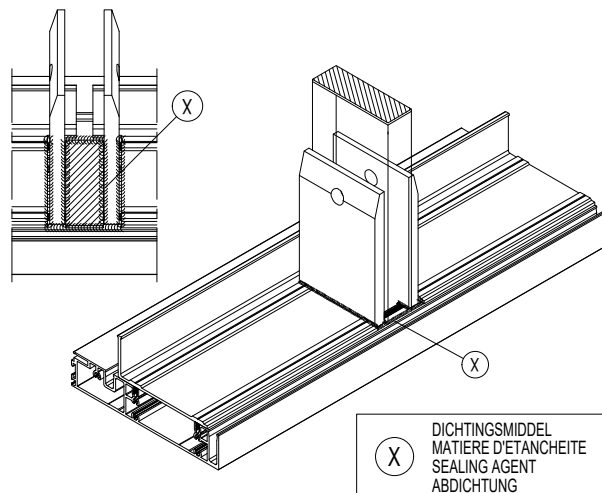
3



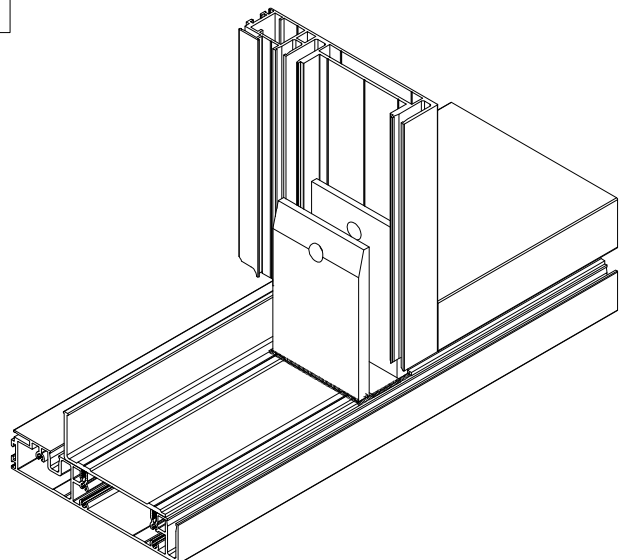
4

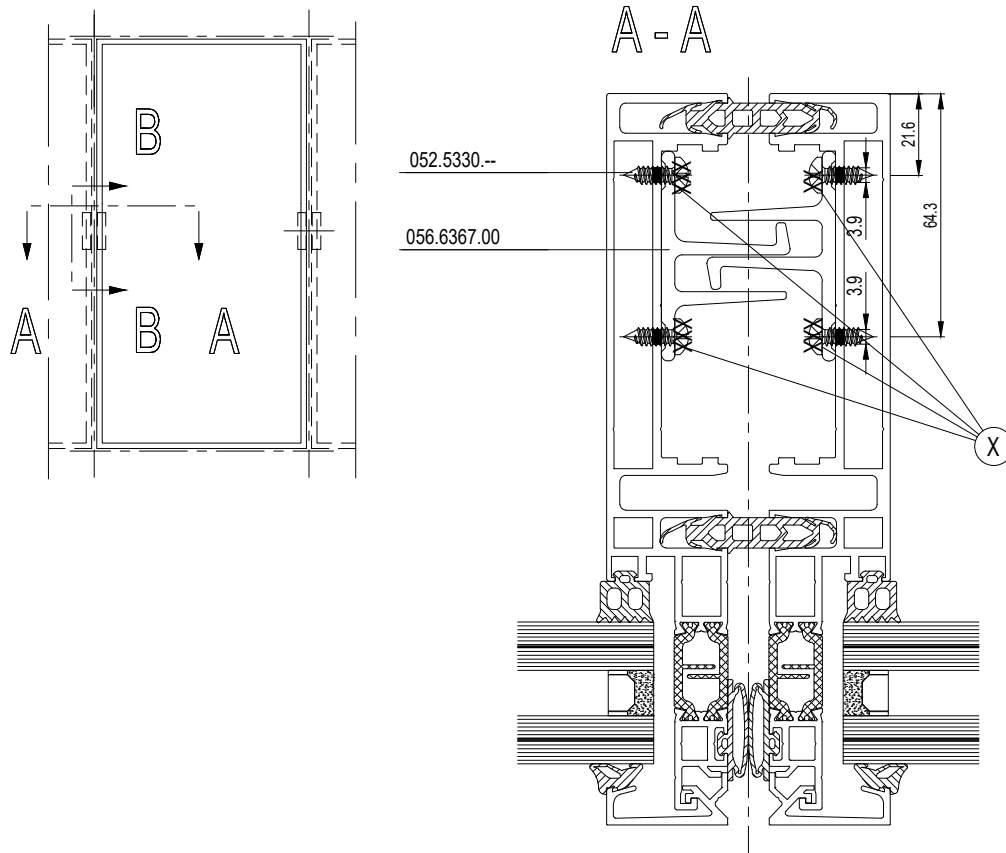


5

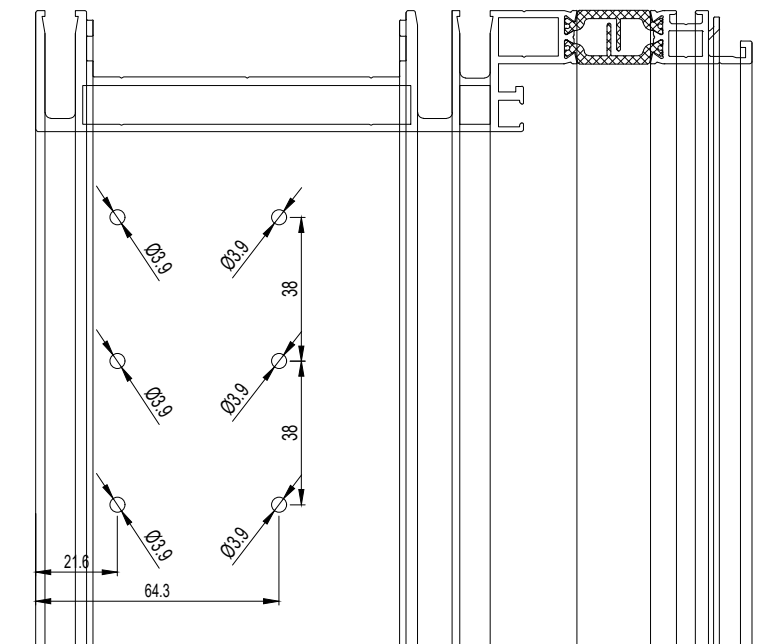


6



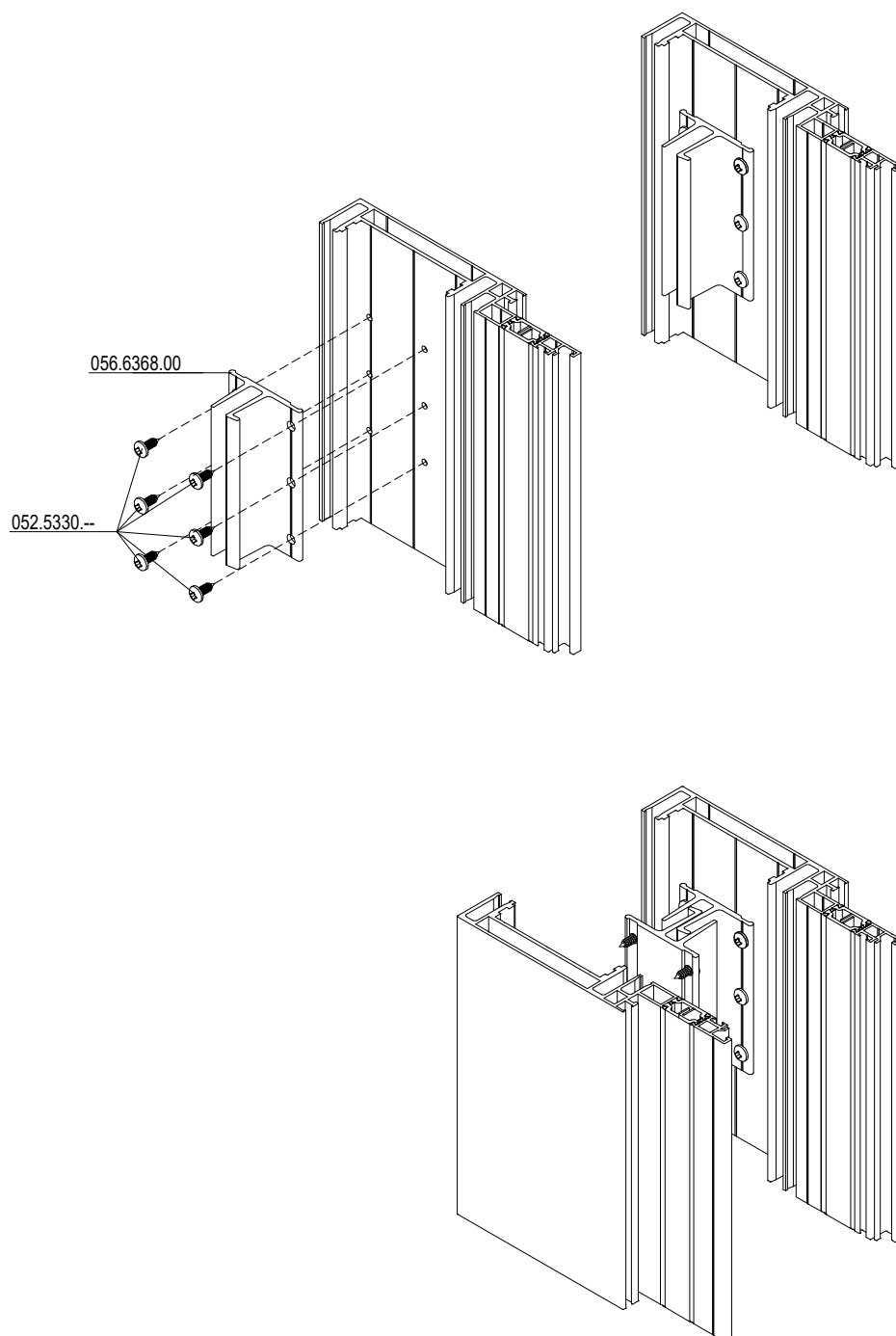


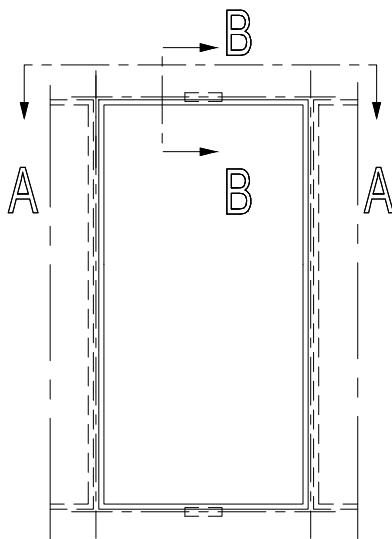
B - B



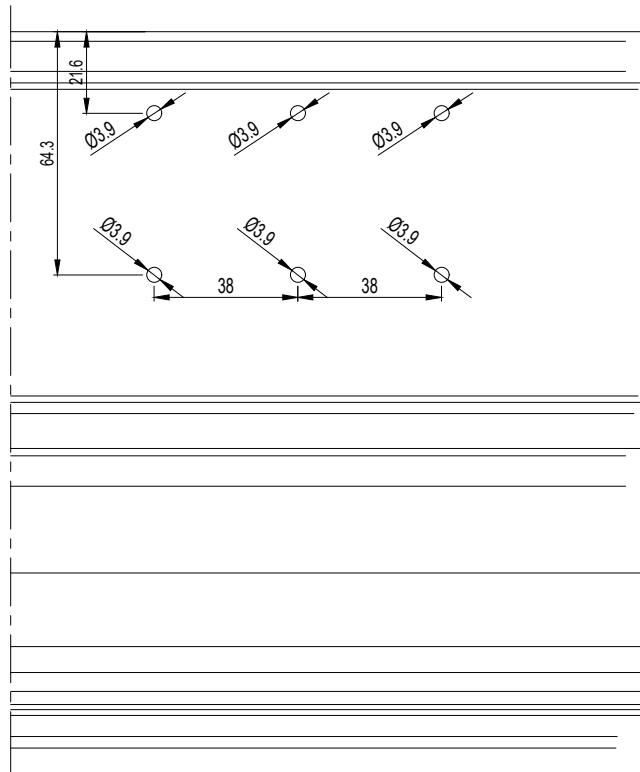
(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2

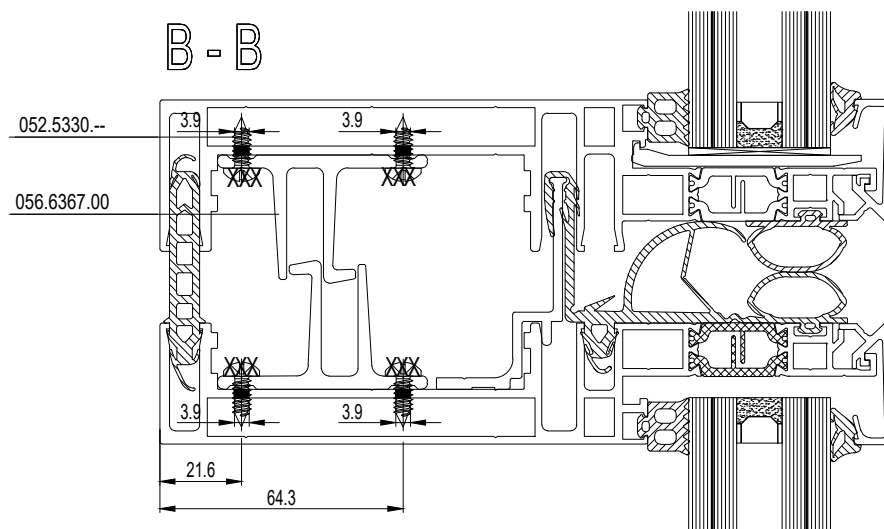




A - A

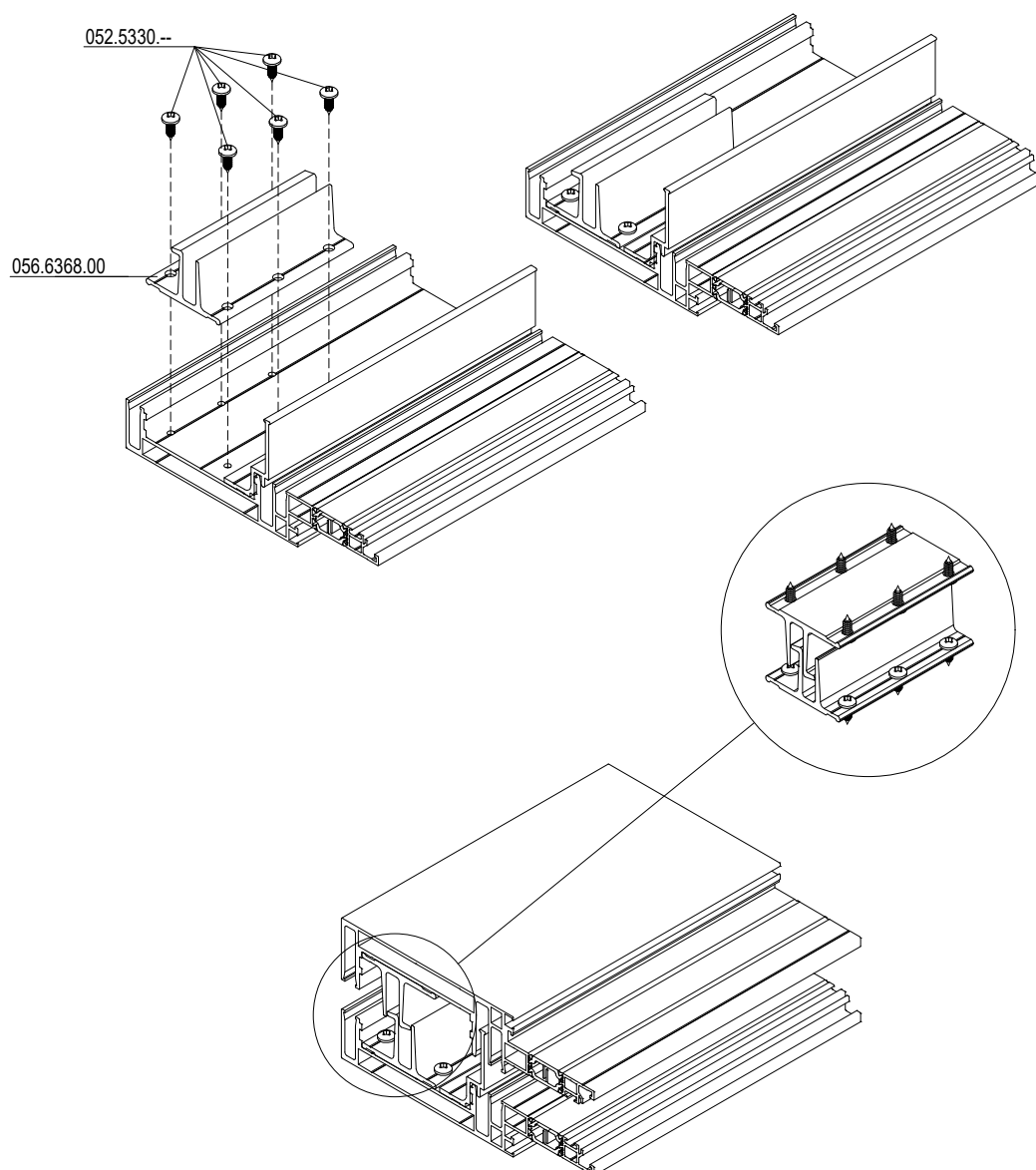


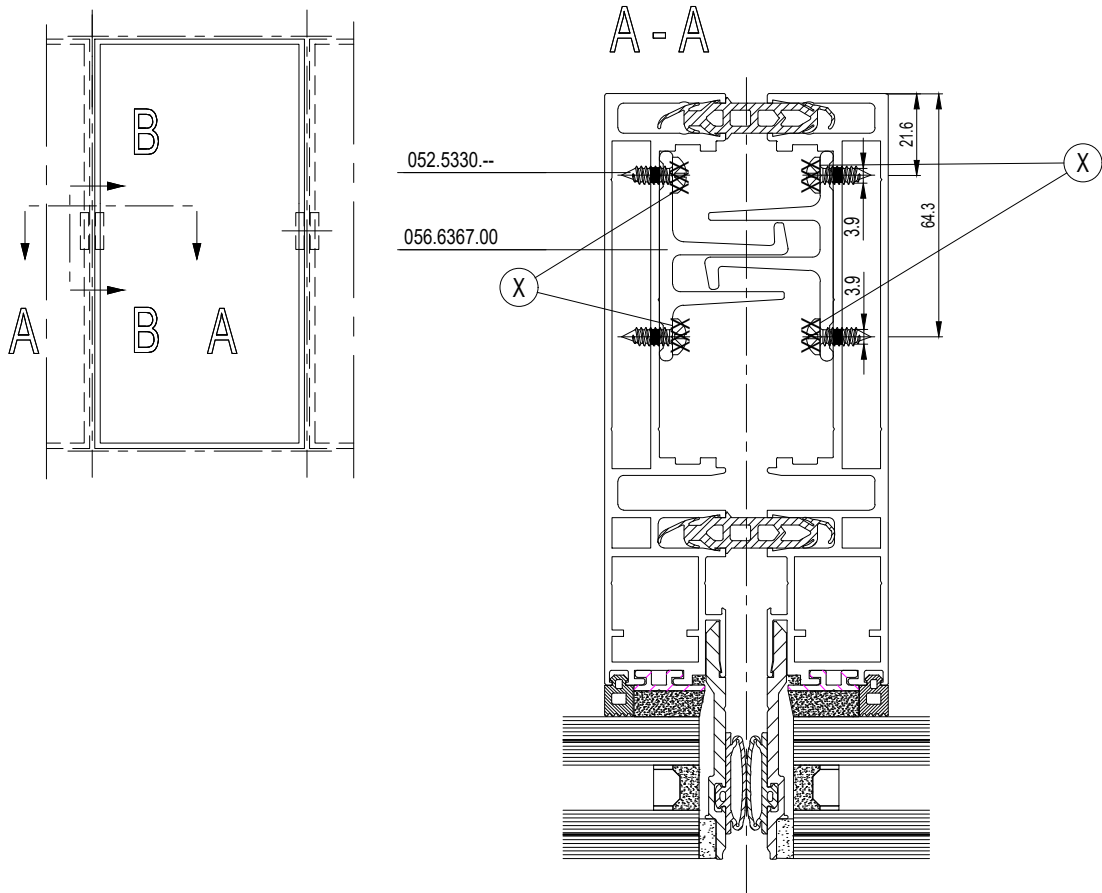
B - B



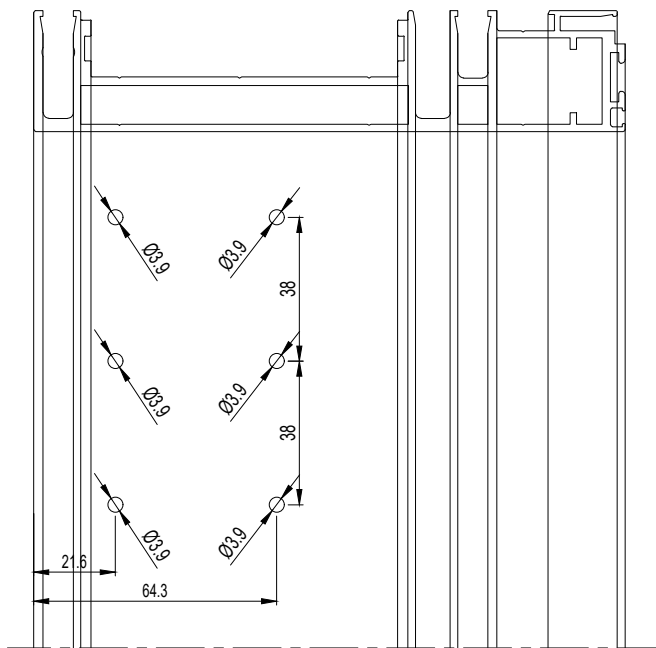
DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2



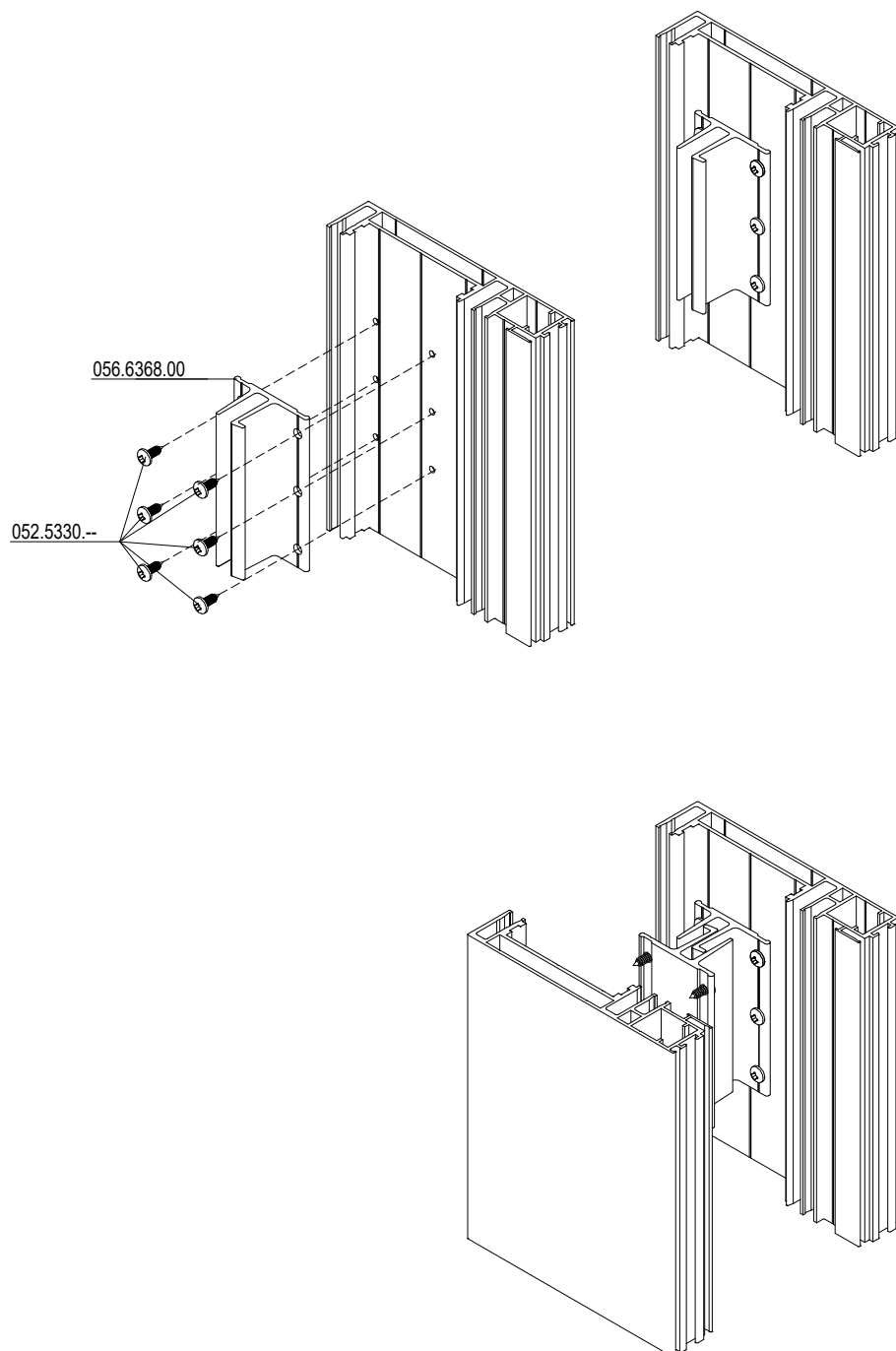


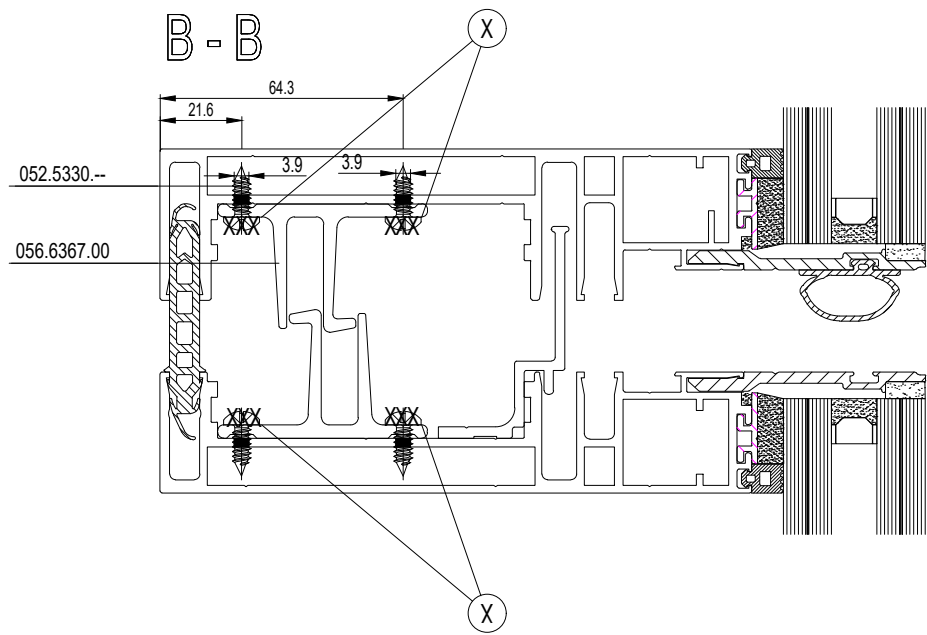
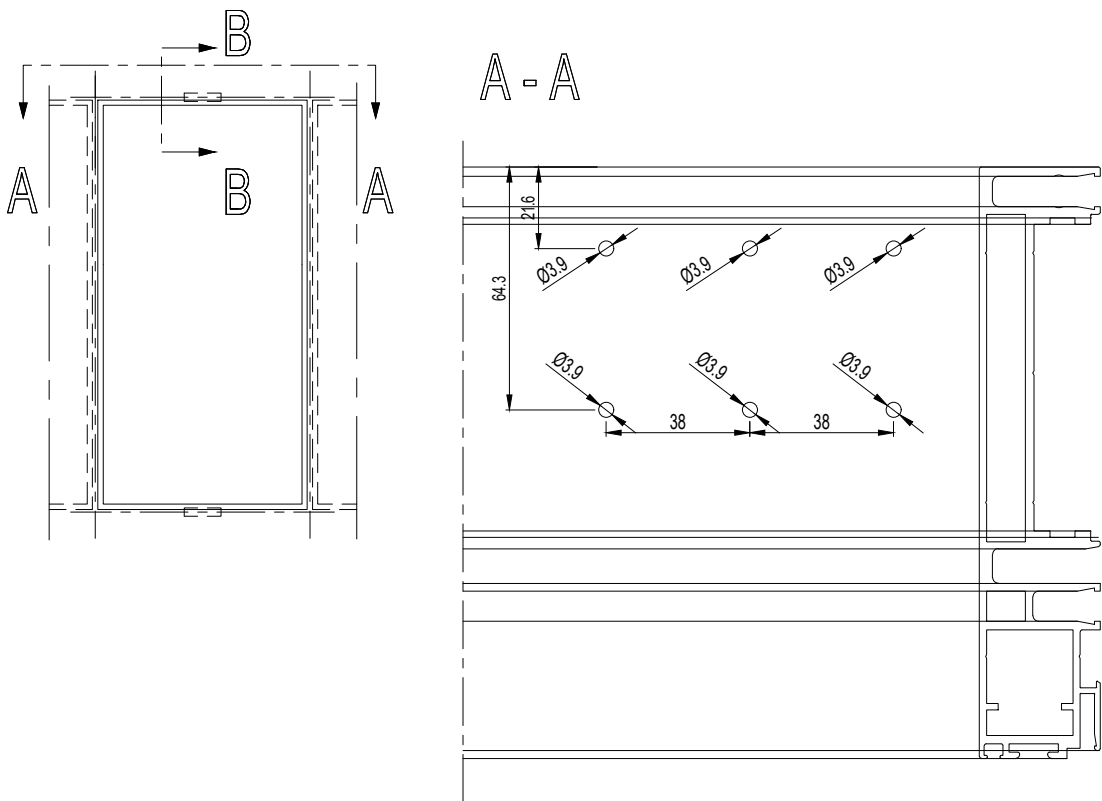
B - B



(X) DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

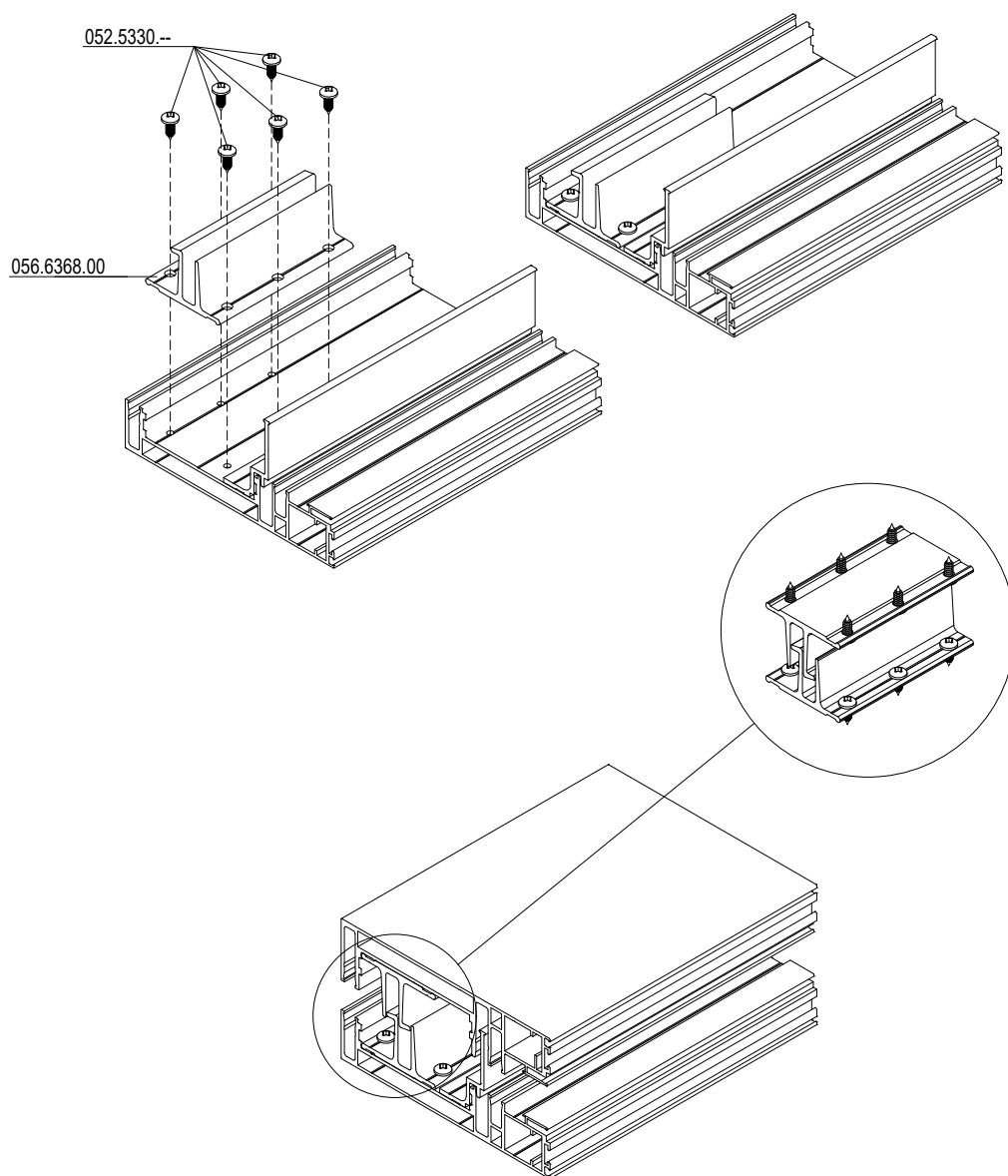
schaal - échelle
scale - Maßstab
1/2

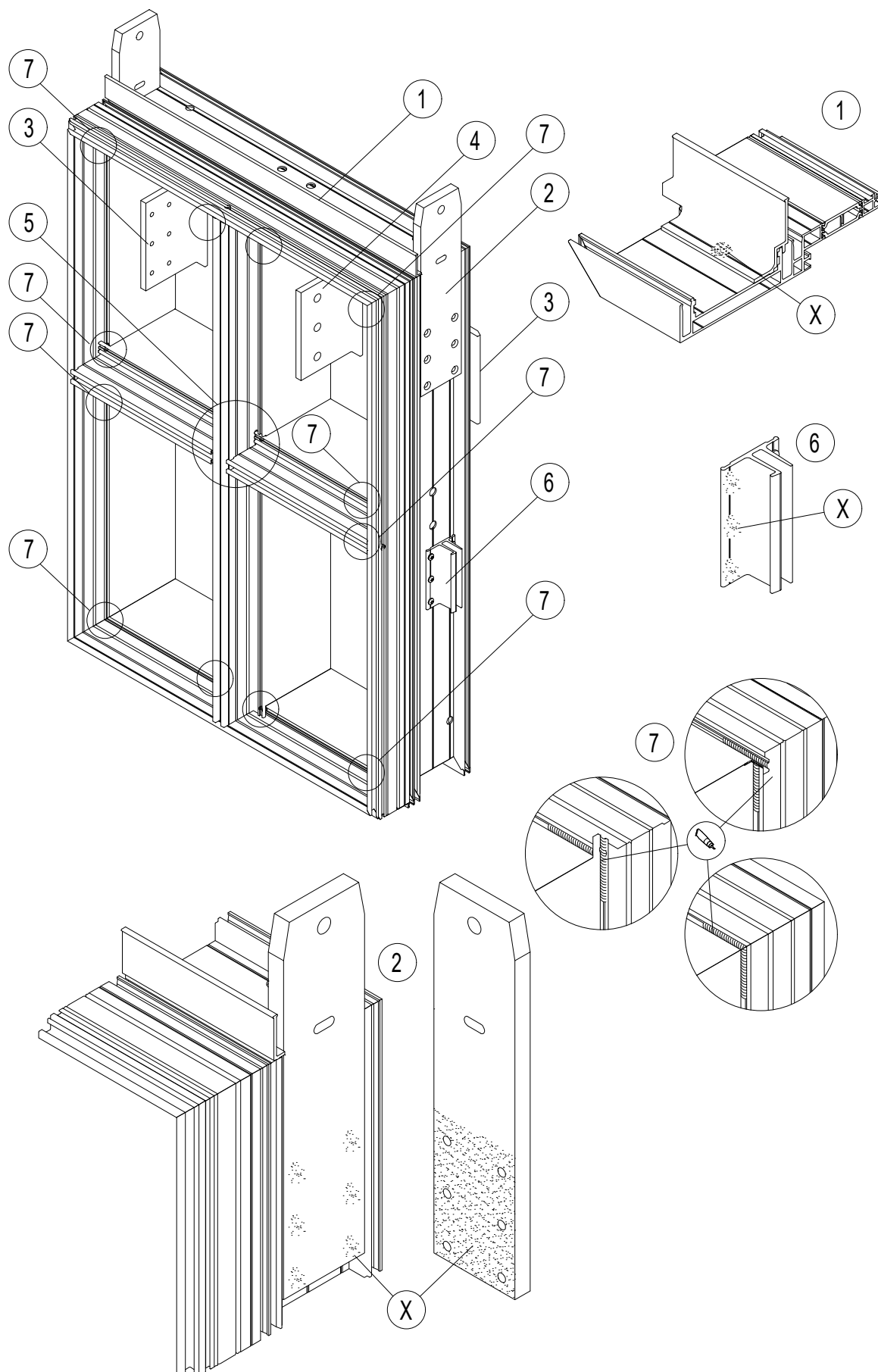




(X)
DICHTINGSMIDDEL
MATIERE D'ETANCHEITE
SEALING AGENT
ABDICHTUNG

schaal - échelle
scale - Maßstab
1/2



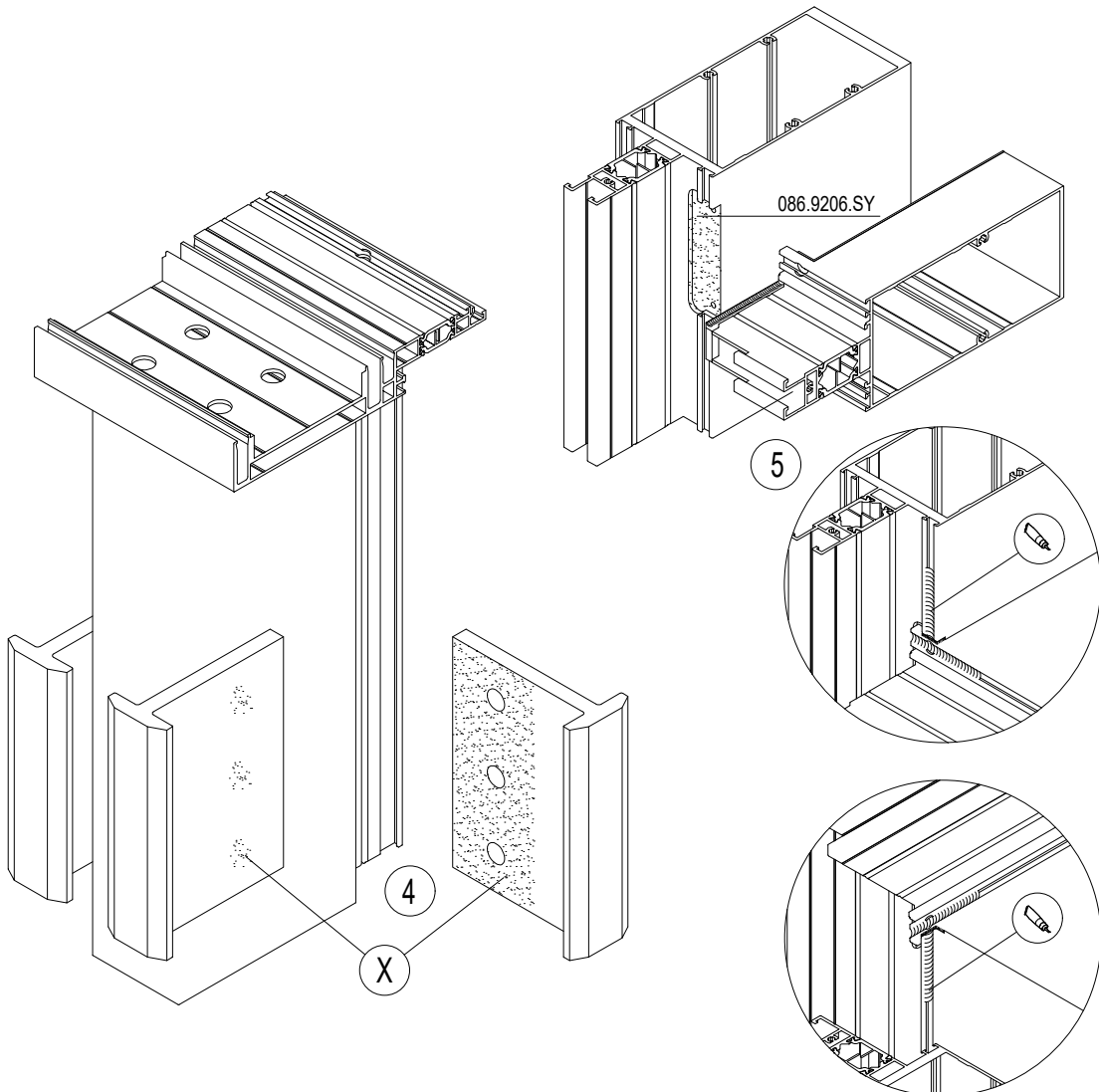
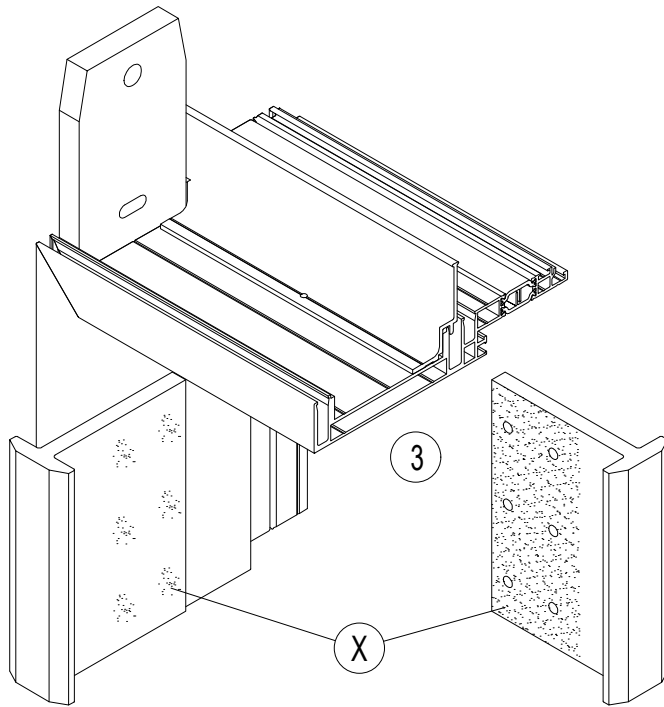


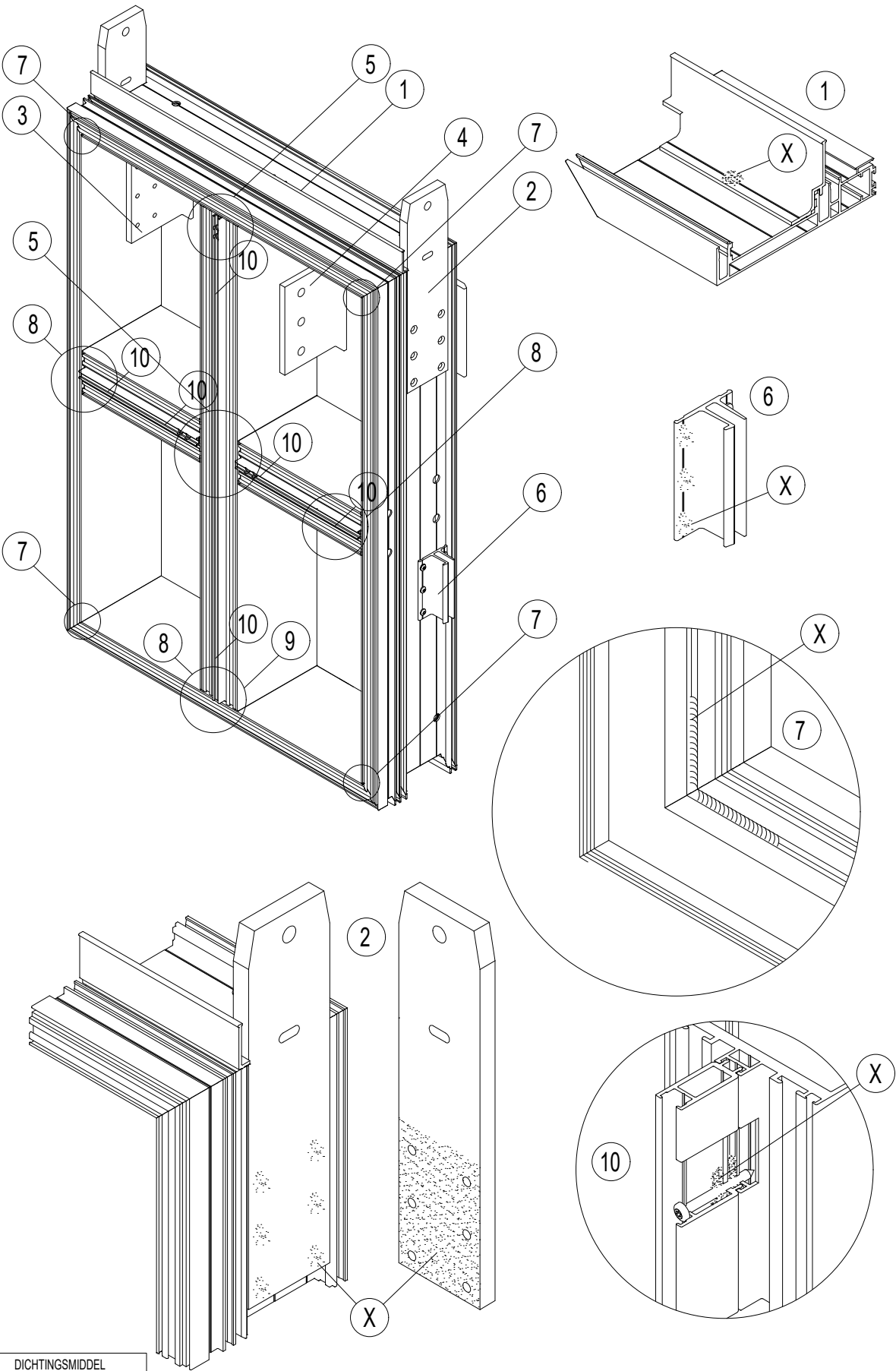
DICHTINGSMIDDEL
 MATIERE D'ETANCHEITE
 SEALING AGENT
 ABDICHTUNG

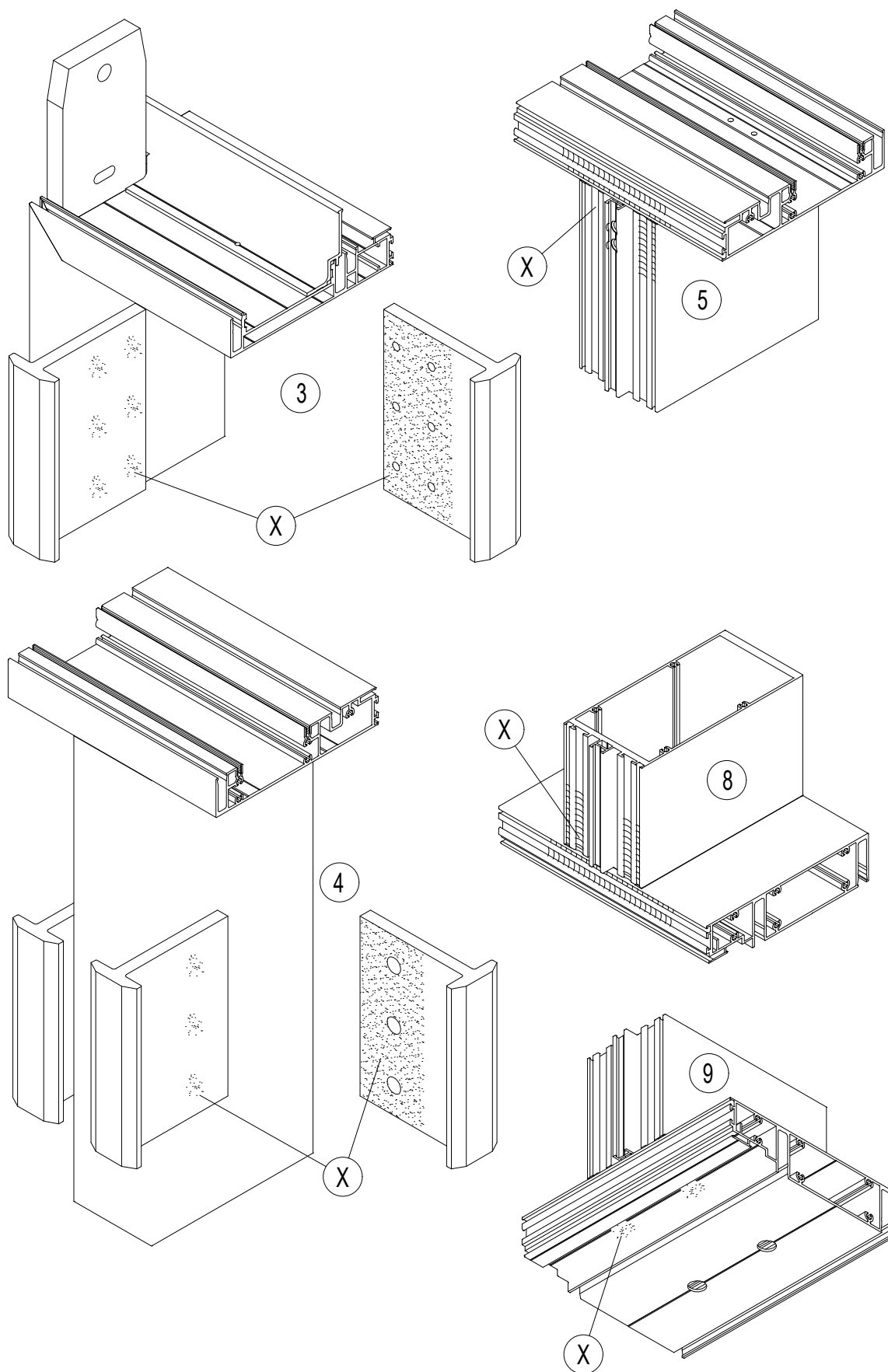


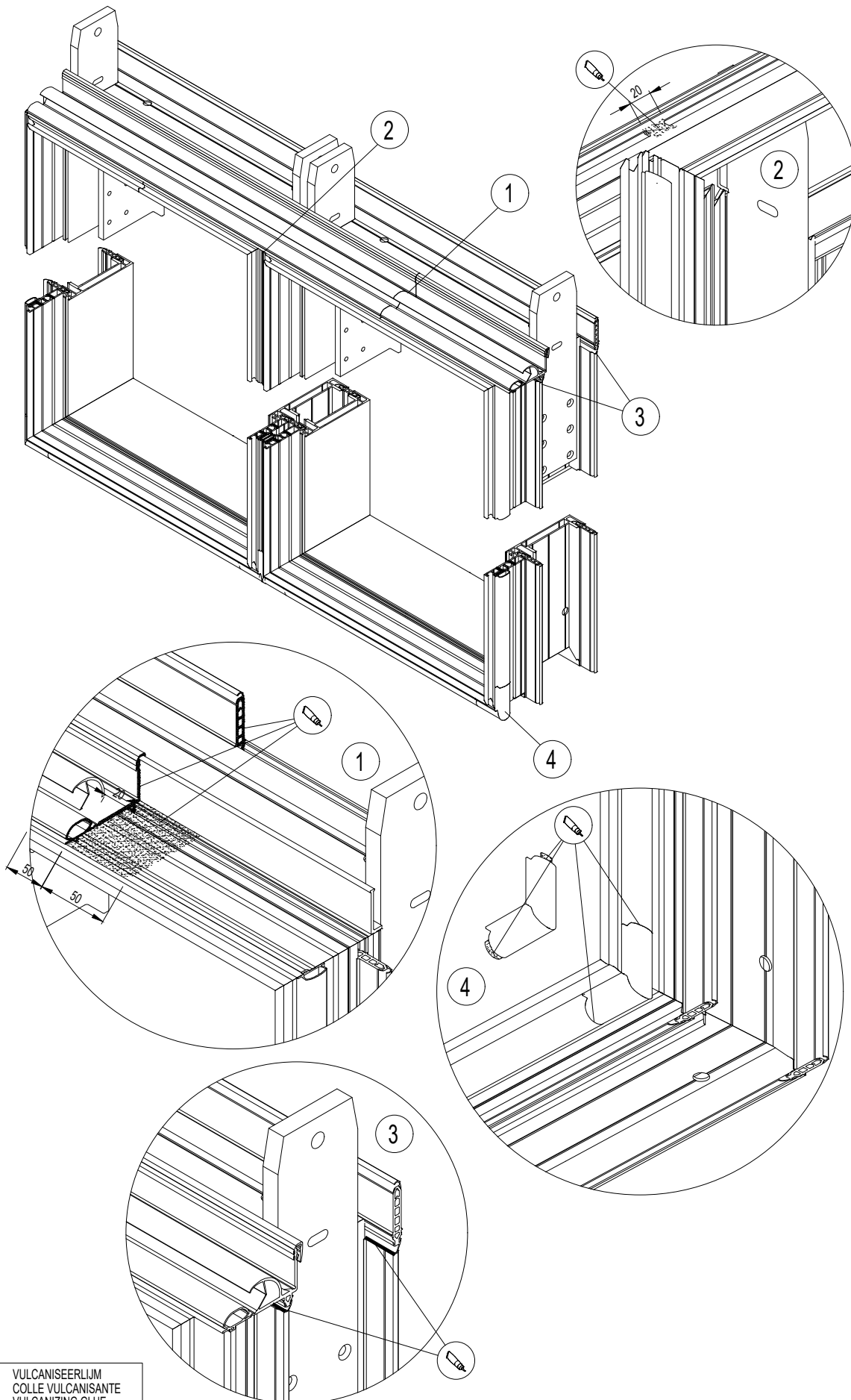
VULCANISEERLIJM
 COLLE VULCANISANTE
 VULCANIZING GLUE
 VULKANISIERKLEBER

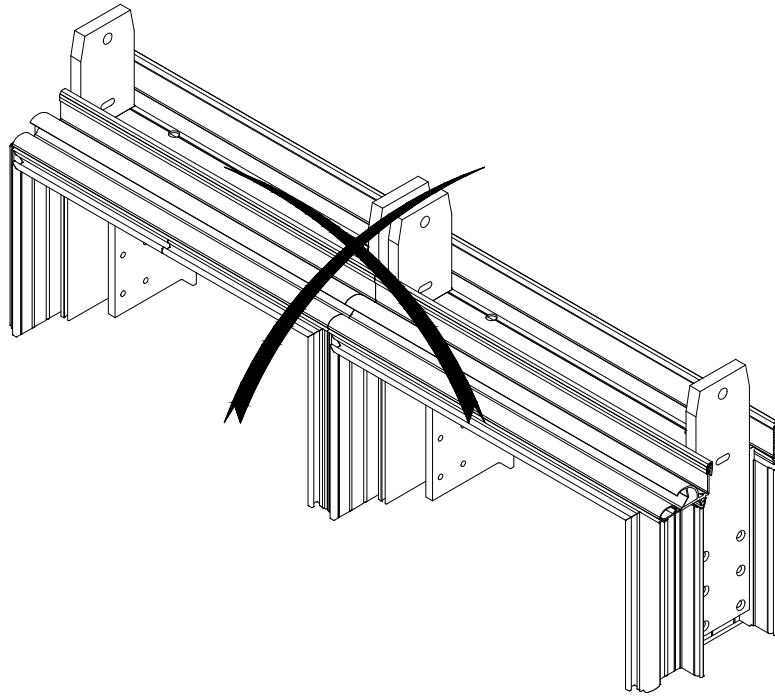
schaal - échelle
 scale - Maßstab
 1/2

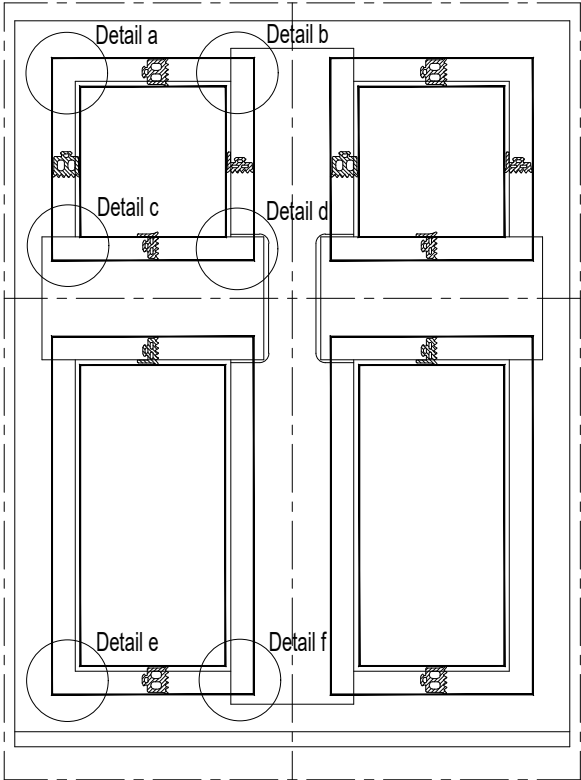




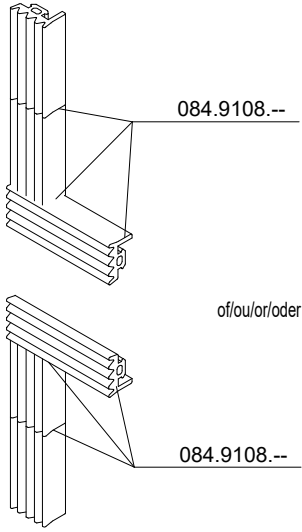
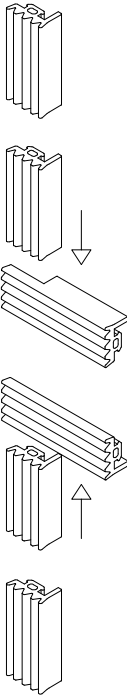








3.5 - 9mm	080.9815.SY	080.9810.SY	080.9864.04
5.5 - 11mm	080.9876.04	080.9871.04	080.9863.04
7.5 - 13mm	080.9817.04	080.9812.04	-



3.5 - 3.5mm	080.9815.SY	180.9863.04
5.5 - 5.5mm	080.9871.04	180.9865.04
9 - 9mm	080.9810.SY	080.9872.04
11 - 11mm	080.9876.04	180.9873.04
13 - 13mm	080.9812.04	-

3.5 - 3.5mm
5.5 - 5.5mm
9 - 9mm
11 - 11mm
13 - 13mm

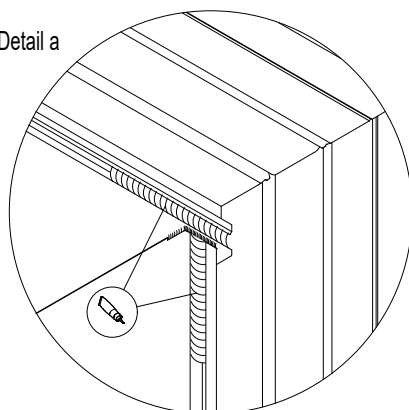
084.9108.--

of/ou/or/oder

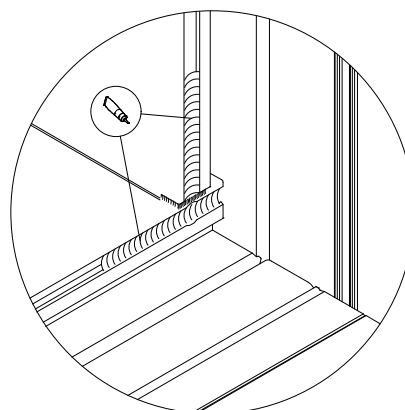
084.9108.--

VULCANISEERLIJM
COLLE VULCANISANTE
VULCANIZING GLUE
VULKANISIERKLEBER

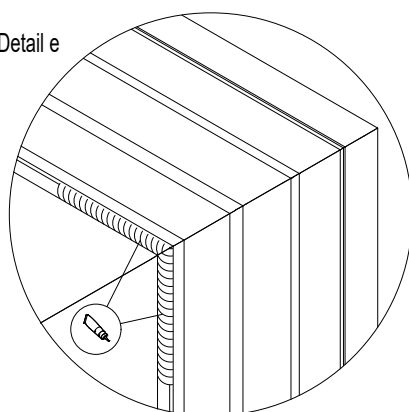
Detail a



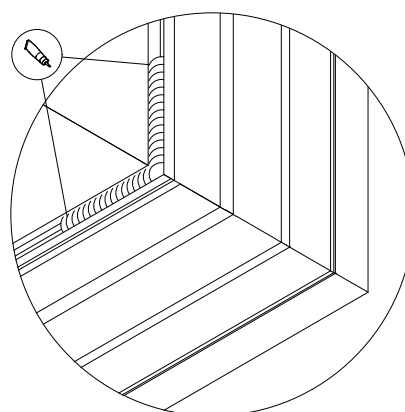
of/ou/or/oder



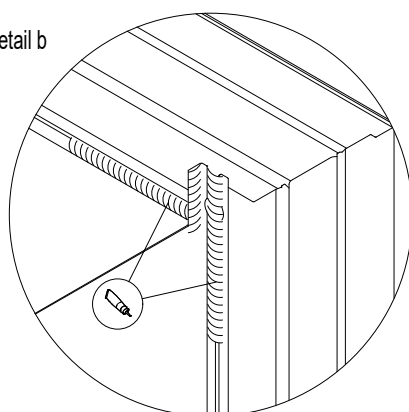
Detail e



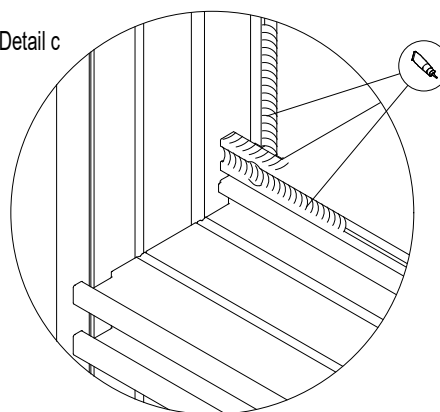
of/ou/or/oder



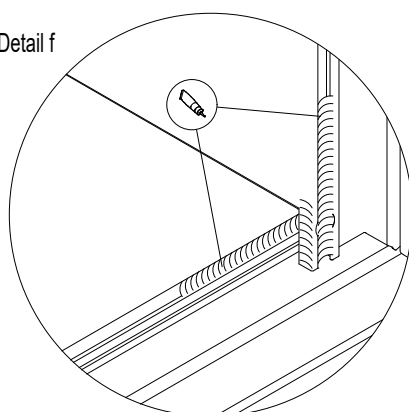
Detail b



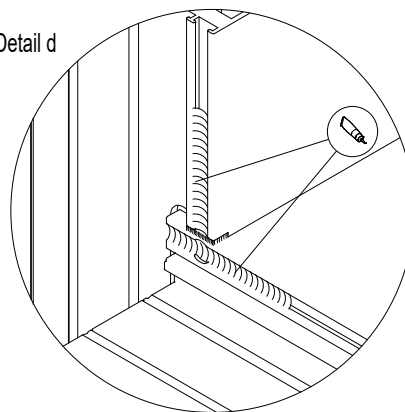
Detail c

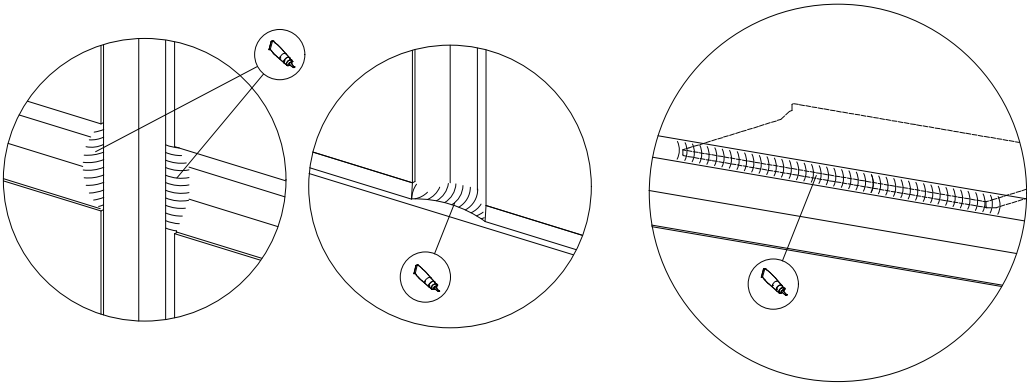
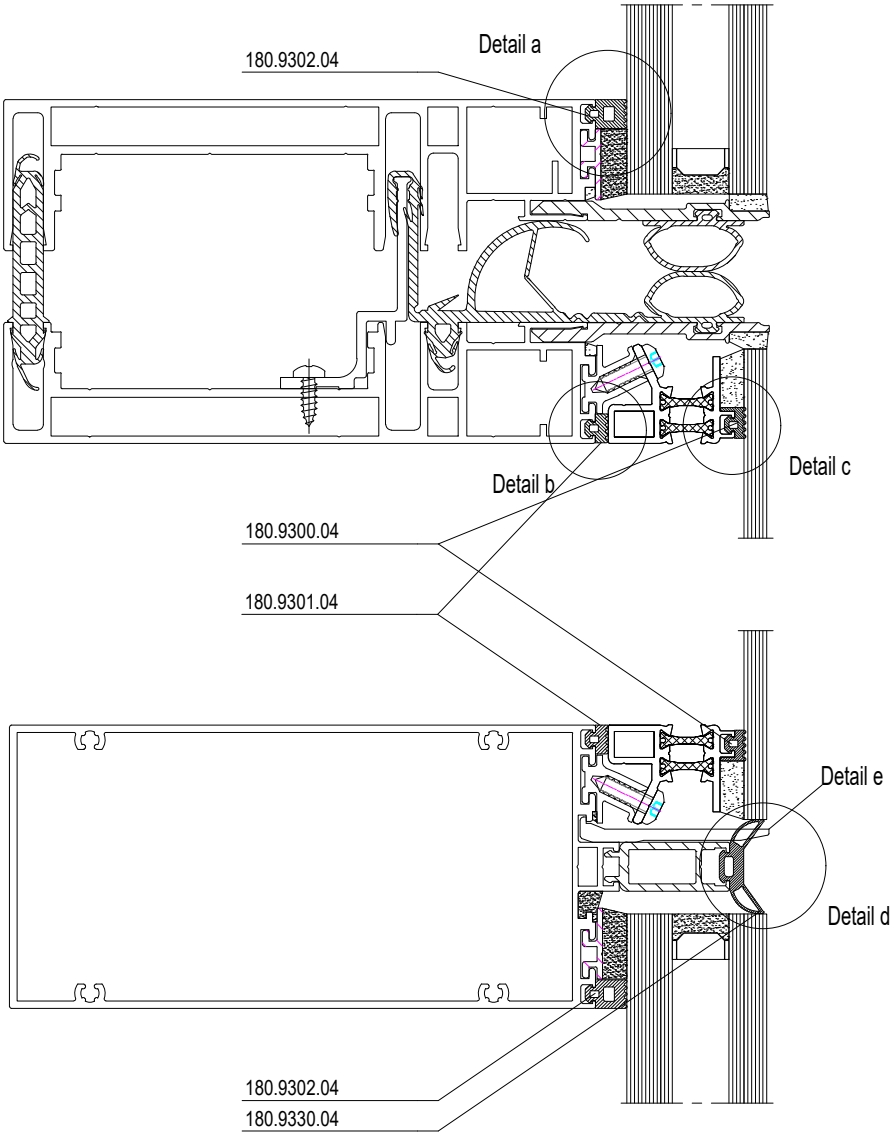


Detail f



Detail d

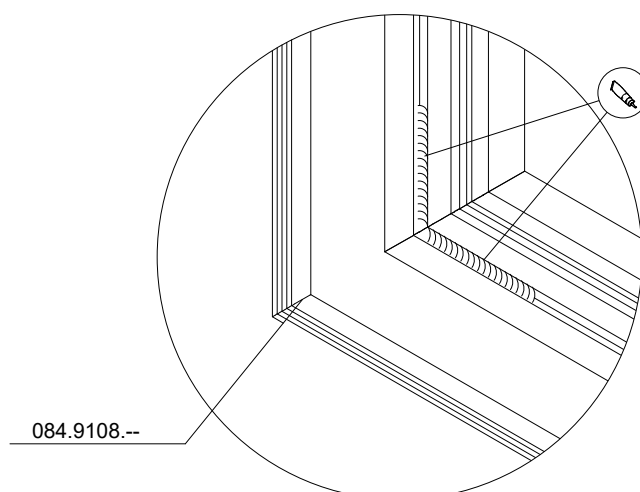
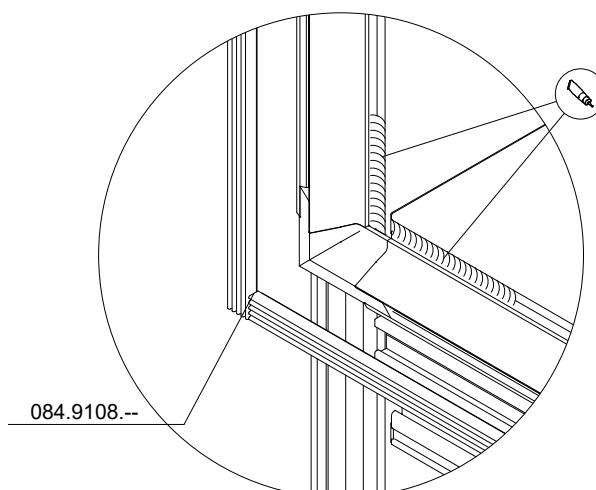
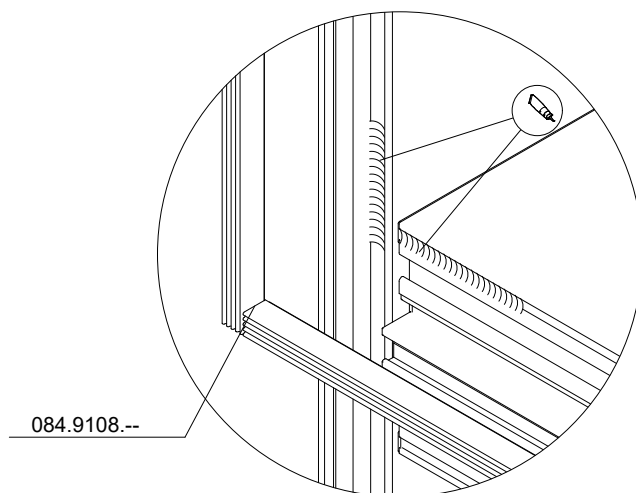


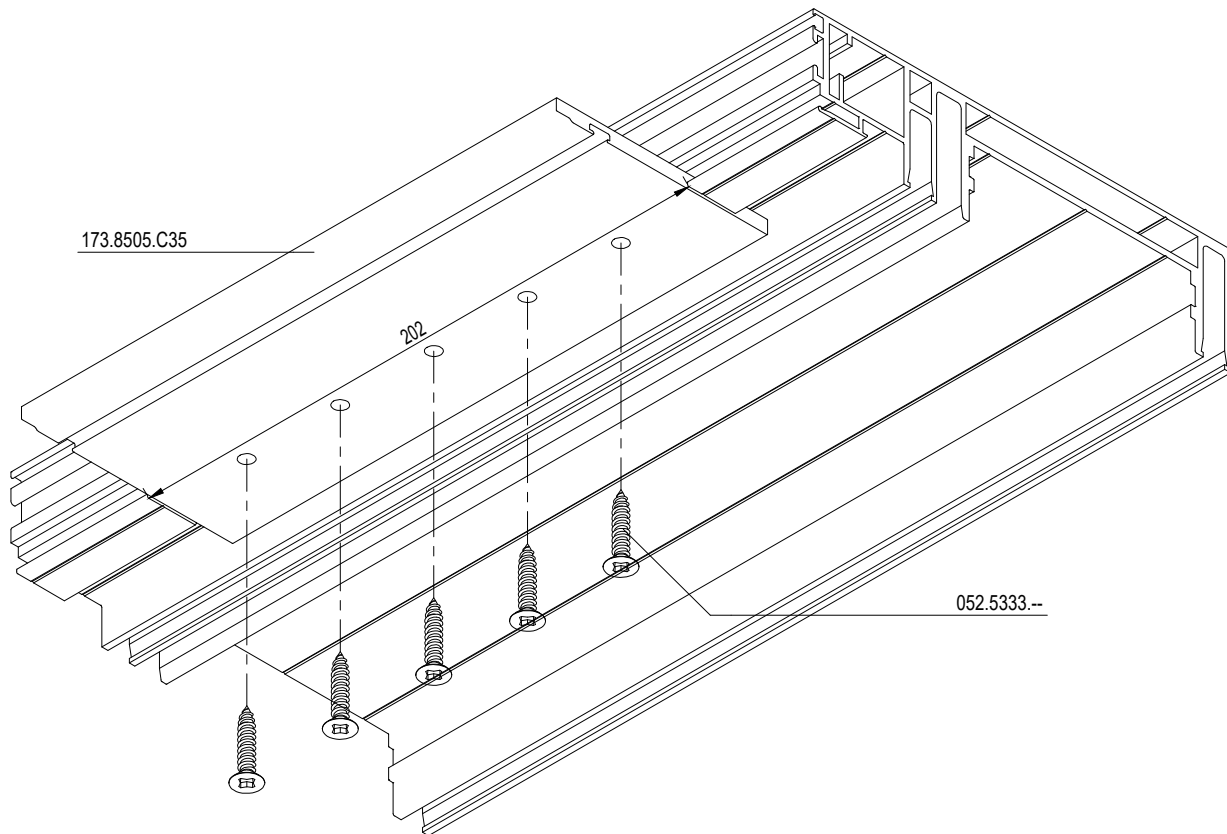
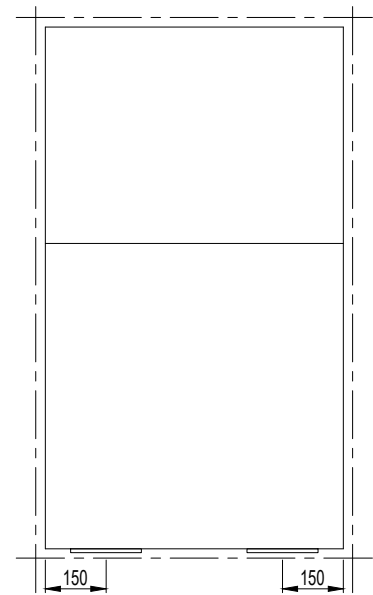
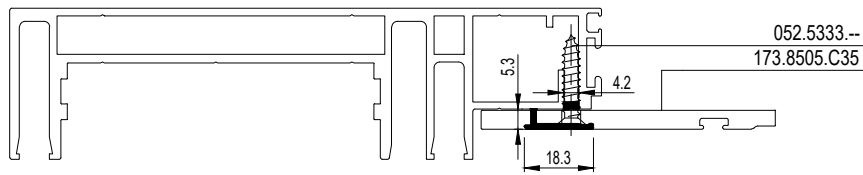


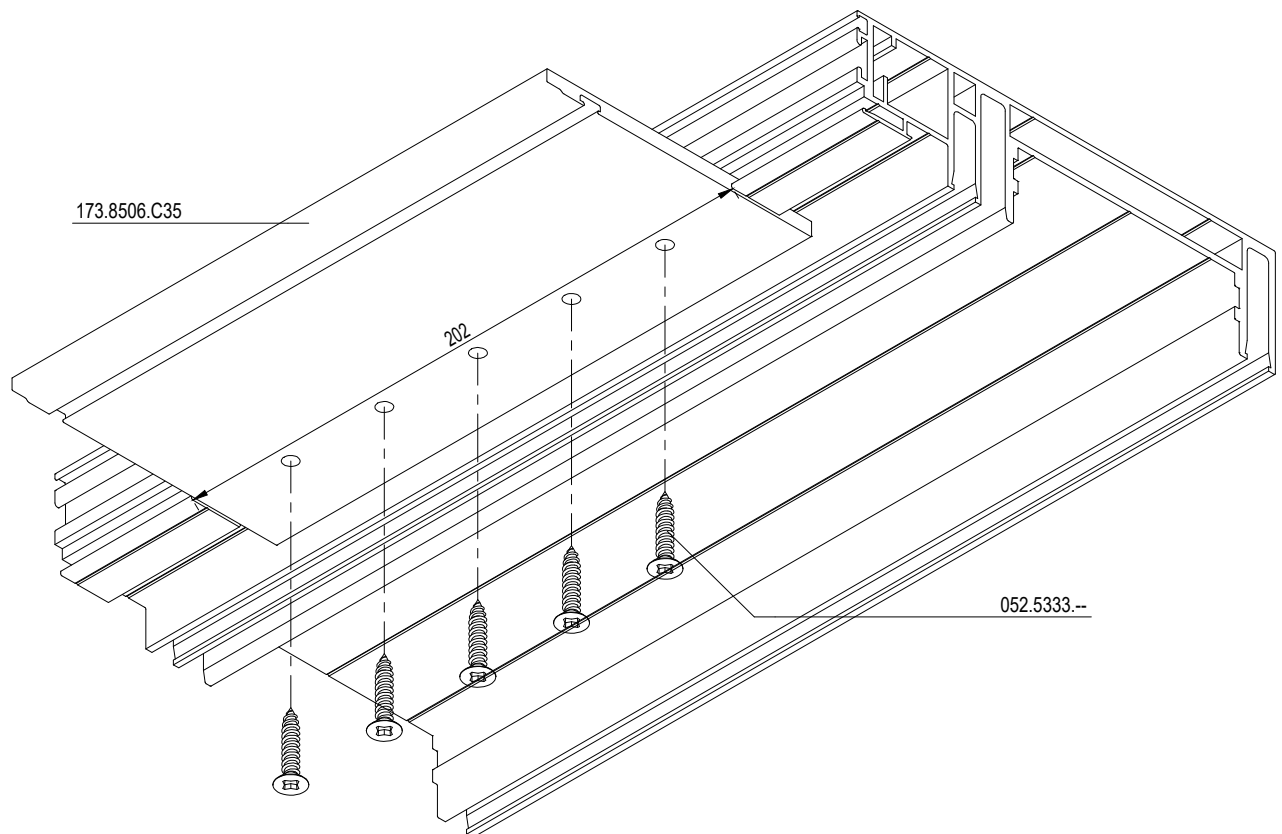
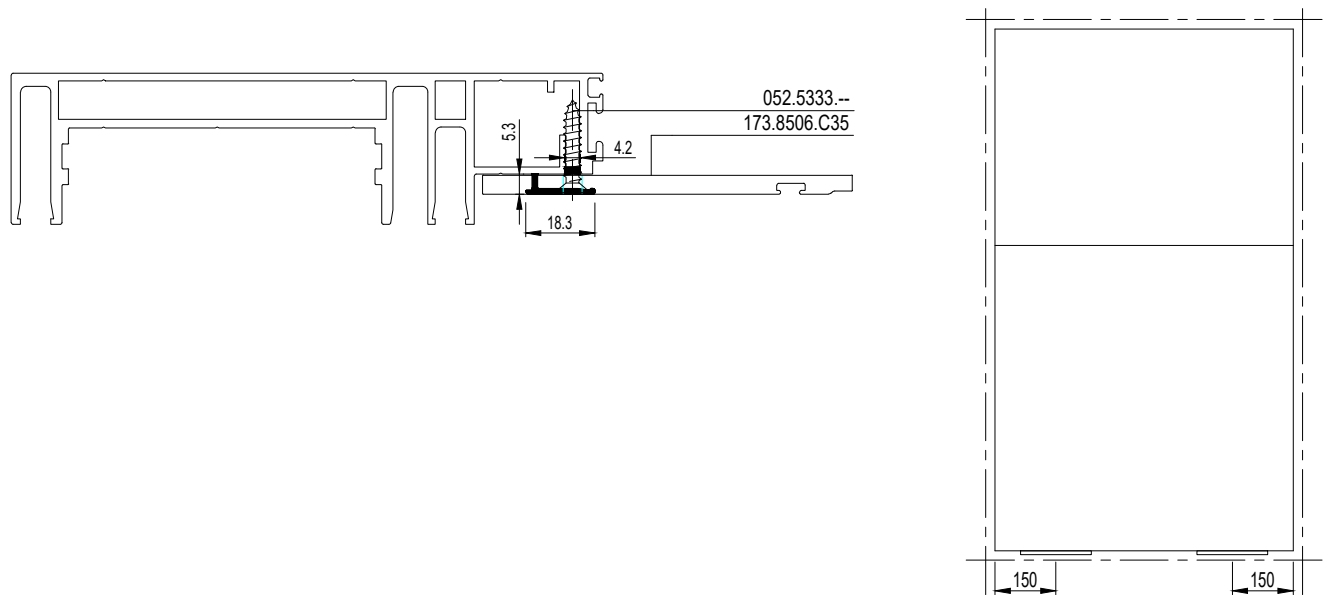
VULCANISEERLIJM
COLLE VULCANISANTE
VULCANIZING GLUE
VULKANISIERKLEBER

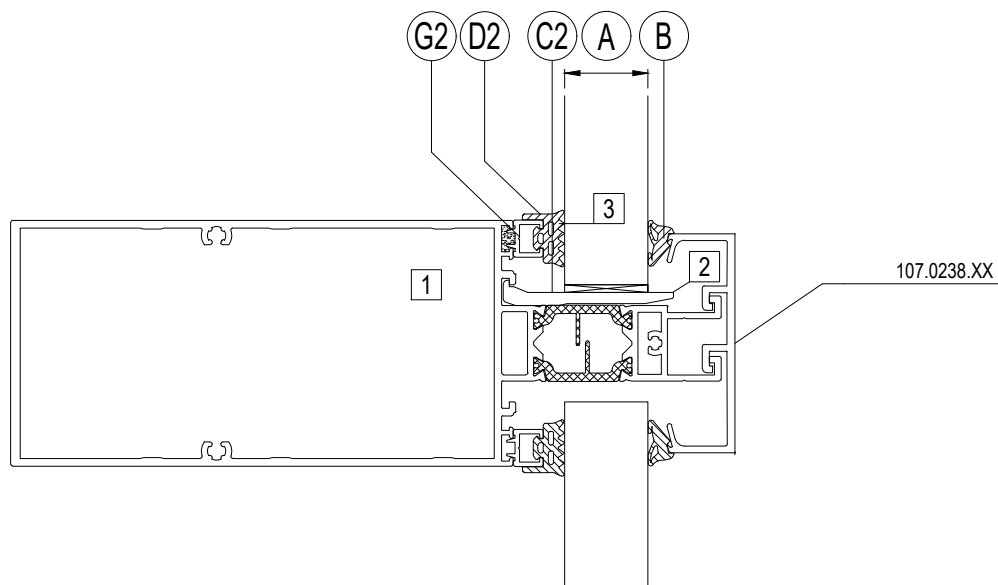
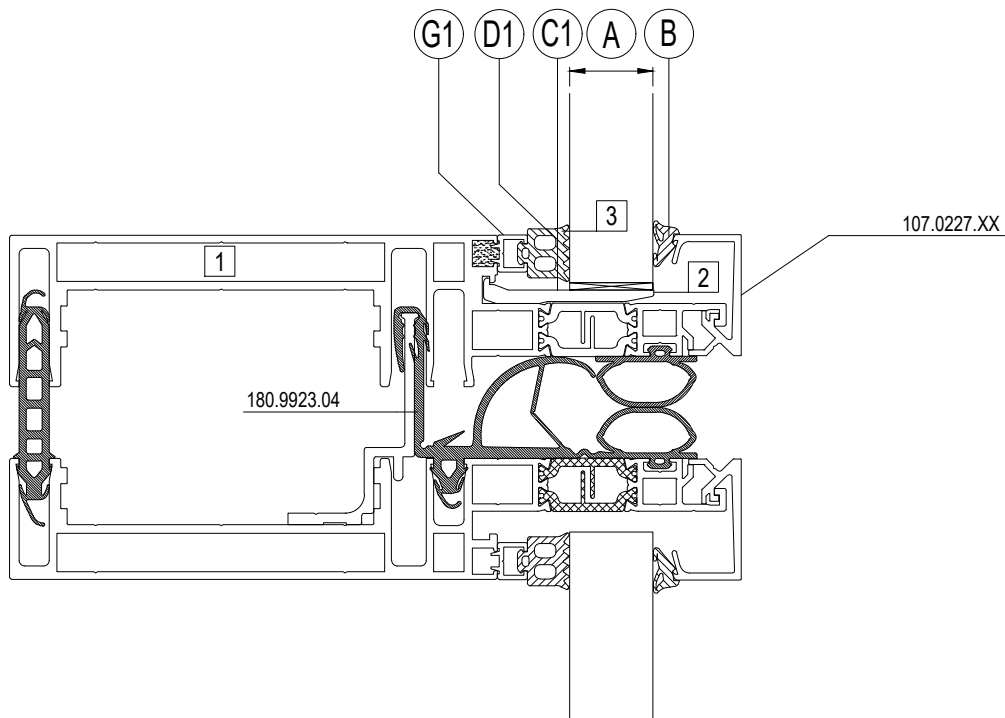
ETAG
002

schaal - échelle
scale - Maßstab
1/2





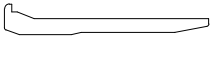
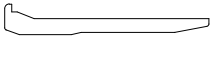
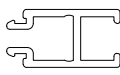
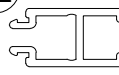


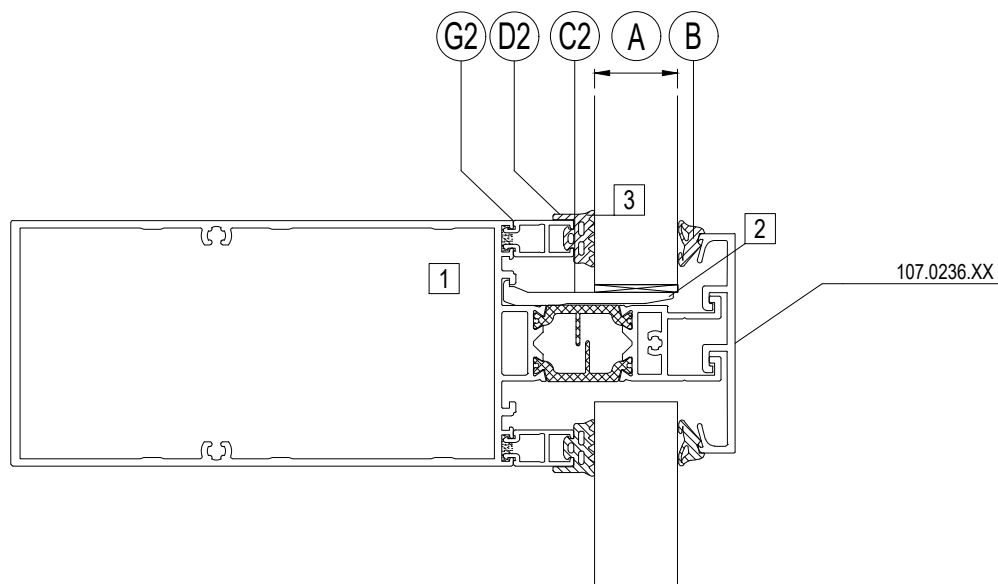
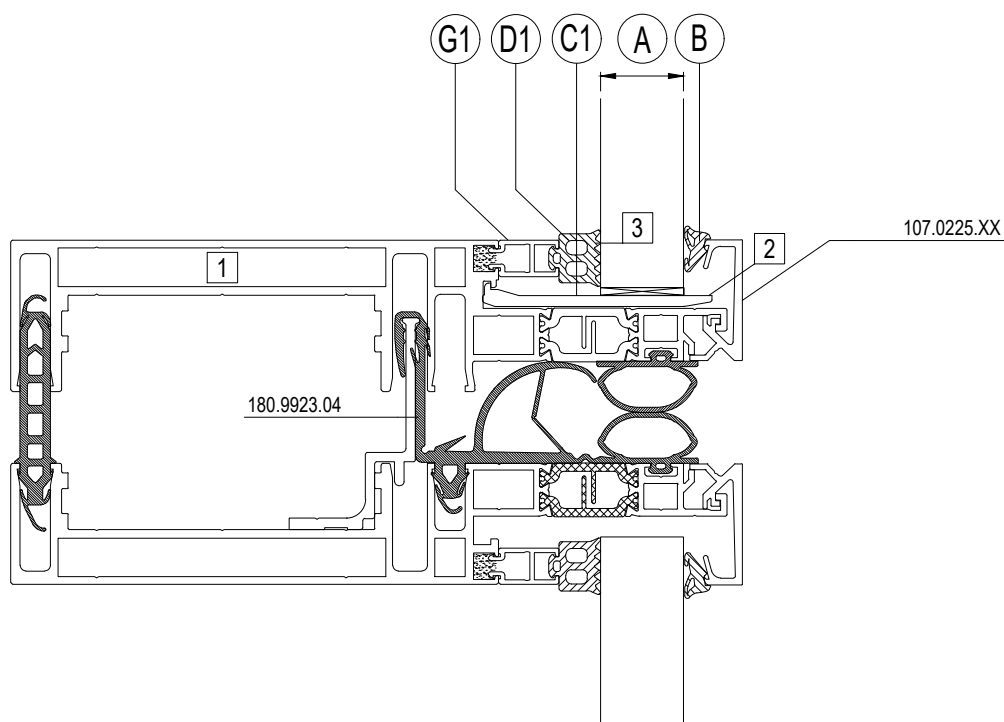


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 2 3 .

schaal - échelle
scale - Maßstab
1/2

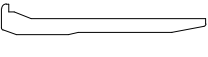
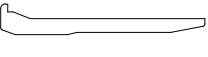
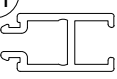
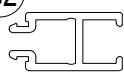
A	B	C1	C2	D1	D2	G1	G2
							
8 mm	080.9123.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
9 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
10 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
11 mm	080.9128.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
12 mm	080.9126.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
13 mm	080.9126.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
14 mm	080.9125.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
15 mm	080.9124.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
16 mm	080.9123.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
17 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
18 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
19 mm	080.9128.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
20 mm	080.9126.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
21 mm	080.9126.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
22 mm	080.9125.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
23 mm	080.9124.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
24 mm	080.9123.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
25 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
26 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
27 mm	080.9128.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
28 mm	080.9126.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
29 mm	080.9126.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
30 mm	080.9125.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
31 mm	080.9124.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
32 mm	080.9123.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
33 mm	080.9124.SY	173.8400.00	173.8400.00	080.9810.SY	080.9815.SY	-	-
34 mm	080.9123.SY	173.8400.00	173.8400.00	080.9810.SY	080.9815.SY	-	-

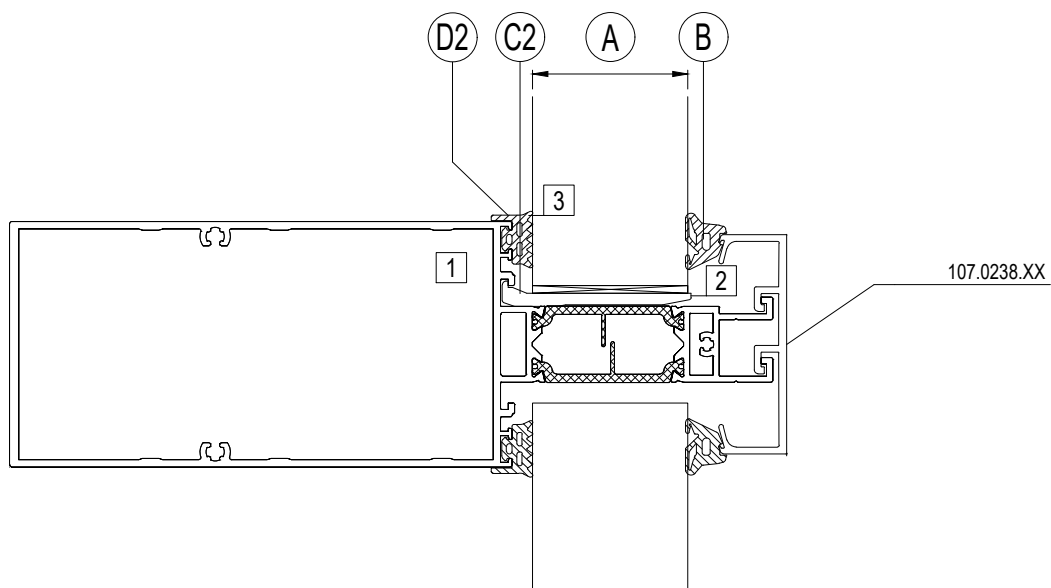
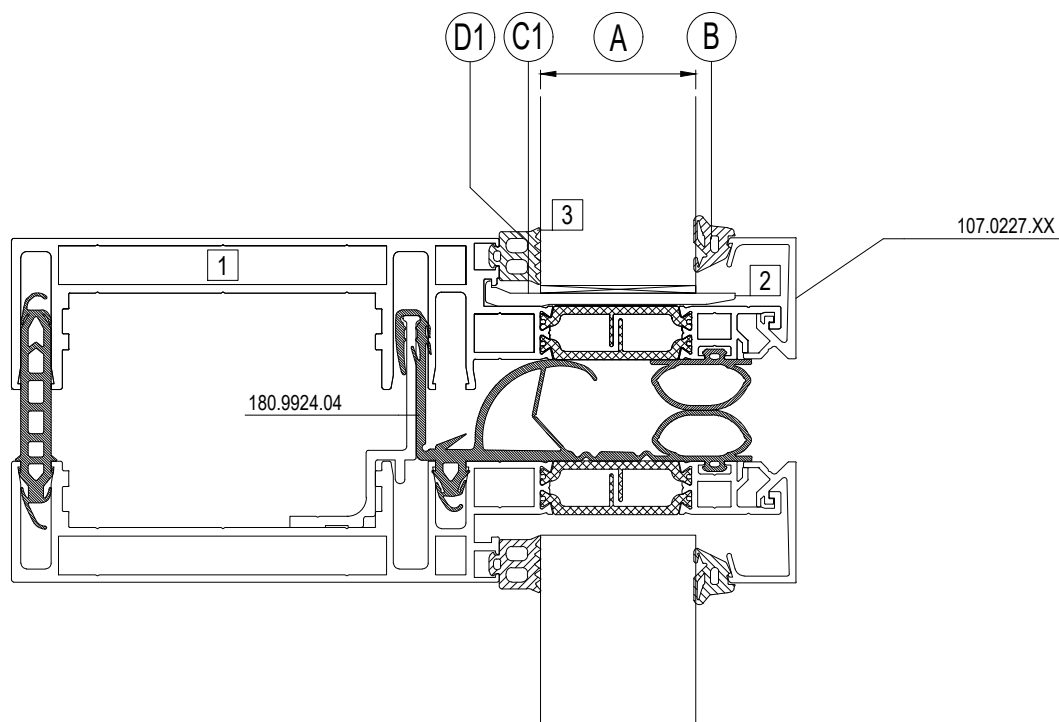


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 2 3 .

schaal - échelle
scale - Maßstab
1/2

A	B	C1	C2	D1	D2	G1	G2
							
8 mm	080.9123.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0420.XX	034.0420.XX
9 mm	080.9130.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
10 mm	080.9130.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
11 mm	080.9128.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
12 mm	080.9126.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
13 mm	080.9126.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
14 mm	080.9125.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
15 mm	080.9124.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
16 mm	080.9123.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0616.XX	034.0616.XX
17 mm	080.9130.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
18 mm	080.9130.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
19 mm	080.9128.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
20 mm	080.9126.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
21 mm	080.9126.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
22 mm	080.9125.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
23 mm	080.9124.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
24 mm	080.9123.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0615.XX	034.0615.XX
25 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
26 mm	080.9130.SY	173.8401.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
27 mm	080.9128.SY	173.8401.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
28 mm	080.9126.SY	173.8401.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
29 mm	080.9126.SY	173.8401.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
30 mm	080.9125.SY	173.8401.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
31 mm	080.9124.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
32 mm	080.9123.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
33 mm	080.9130.SY	173.8400.00	173.8400.00	080.9871.04	080.9876.04	-	-
34 mm	080.9130.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	-	-
35 mm	080.9128.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	-	-
36 mm	080.9126.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	-	-
37 mm	080.9126.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	-	-
38 mm	080.9125.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	-	-
39 mm	080.9124.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	-	-
40 mm	080.9123.SY	073.8402.00	173.8400.00	080.9871.04	080.9876.04	-	-

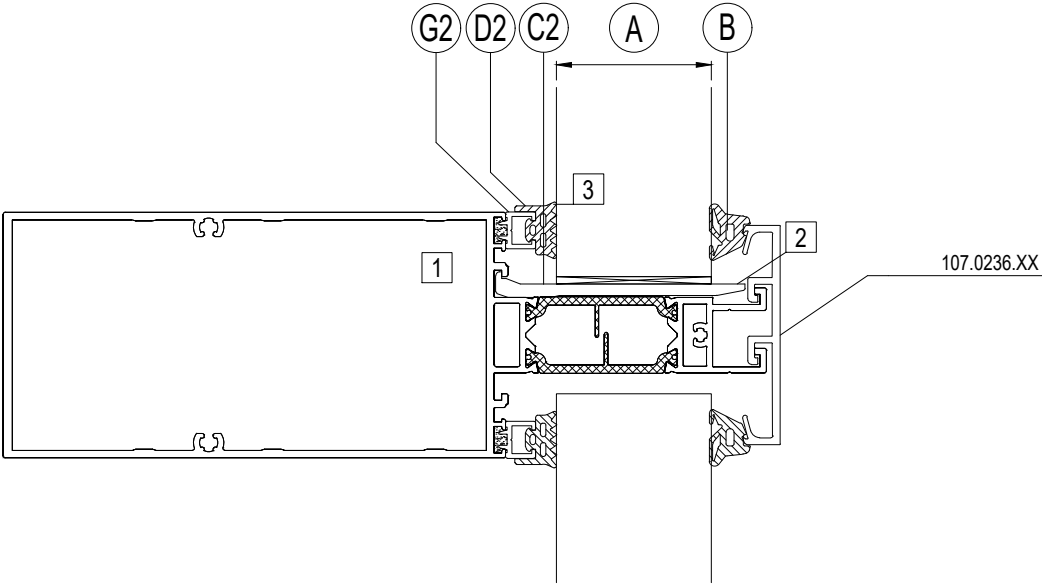
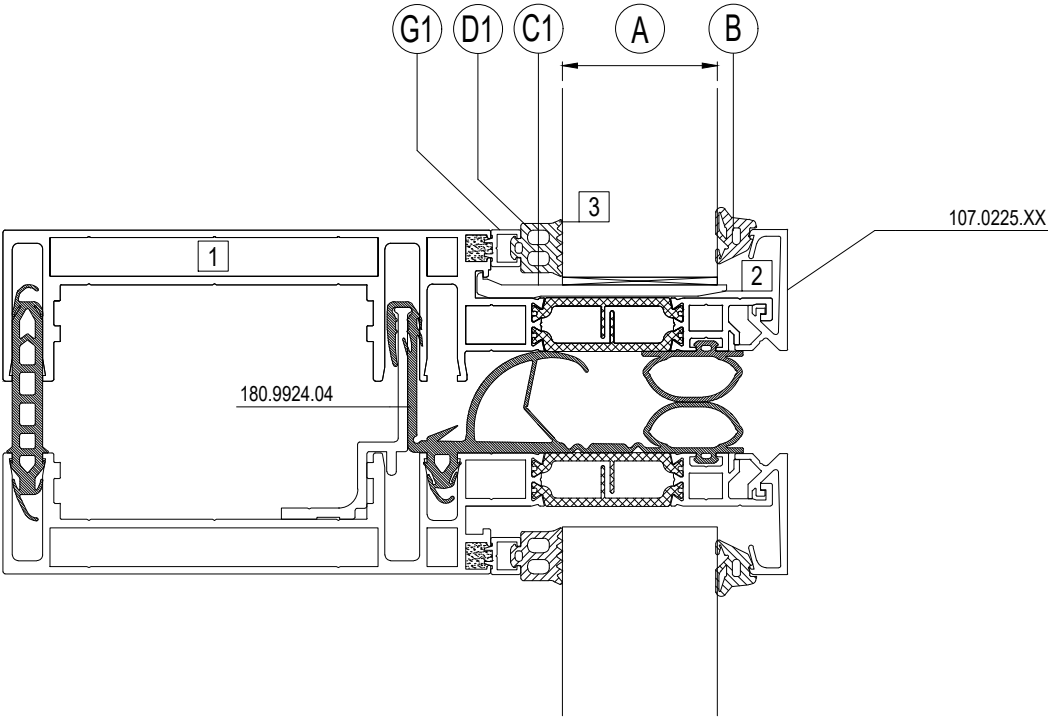


MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

1 2 3 .

schaal - échelle
scale - Maßstab
1/2

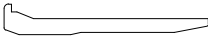
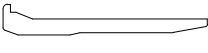
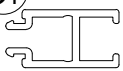
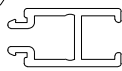
(A)	(B)	(C1)	(C2)	(D1)	(D2)
					
41 mm	080.9128.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04
42 mm	080.9126.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04
43 mm	080.9126.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04
44 mm	080.9125.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04
45 mm	080.9124.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04
46 mm	080.9123.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04
47 mm	080.9124.SY	173.8402.00	173.8402.00	080.9810.SY	080.9815.SY
48 mm	080.9123.SY	173.8402.00	173.8402.00	080.9810.SY	080.9815.SY

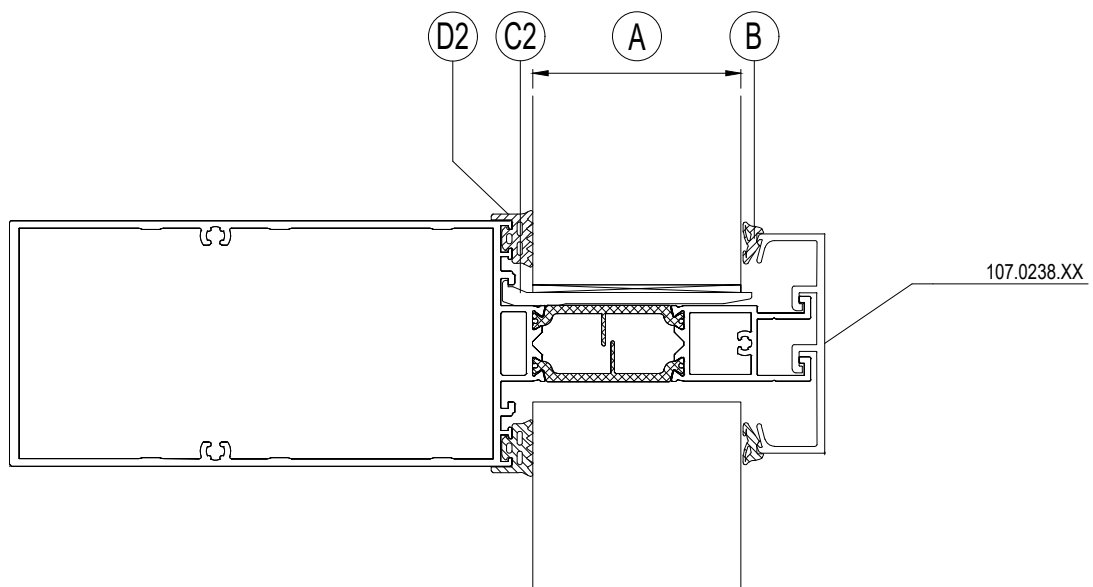
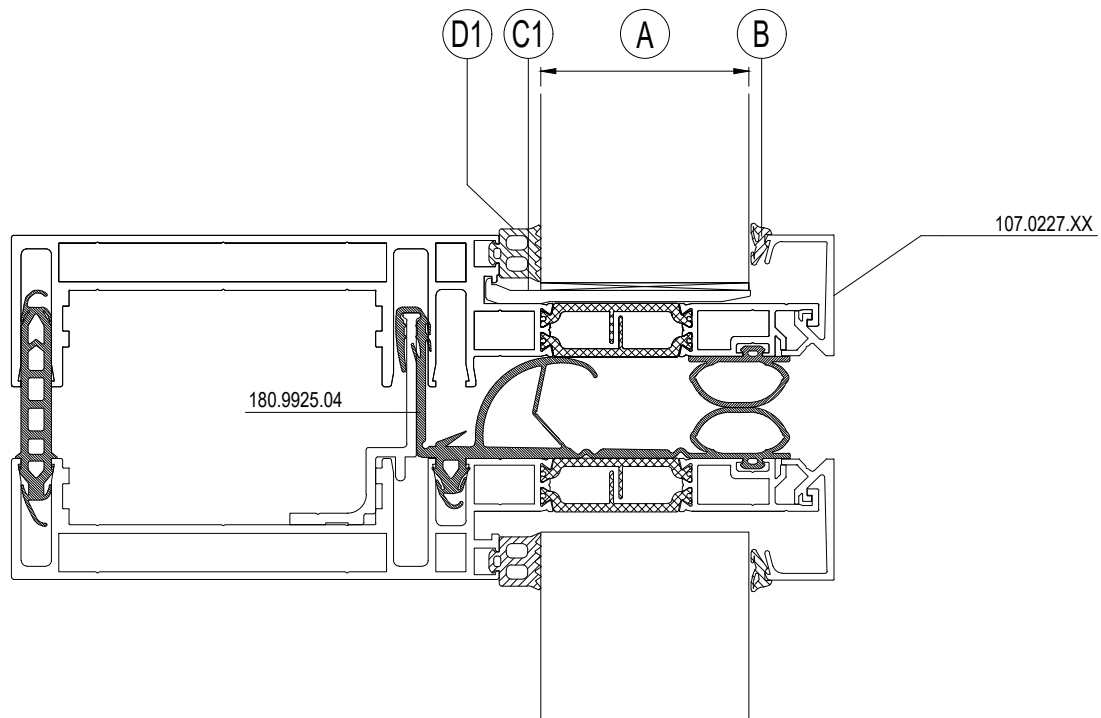


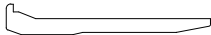
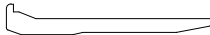
MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

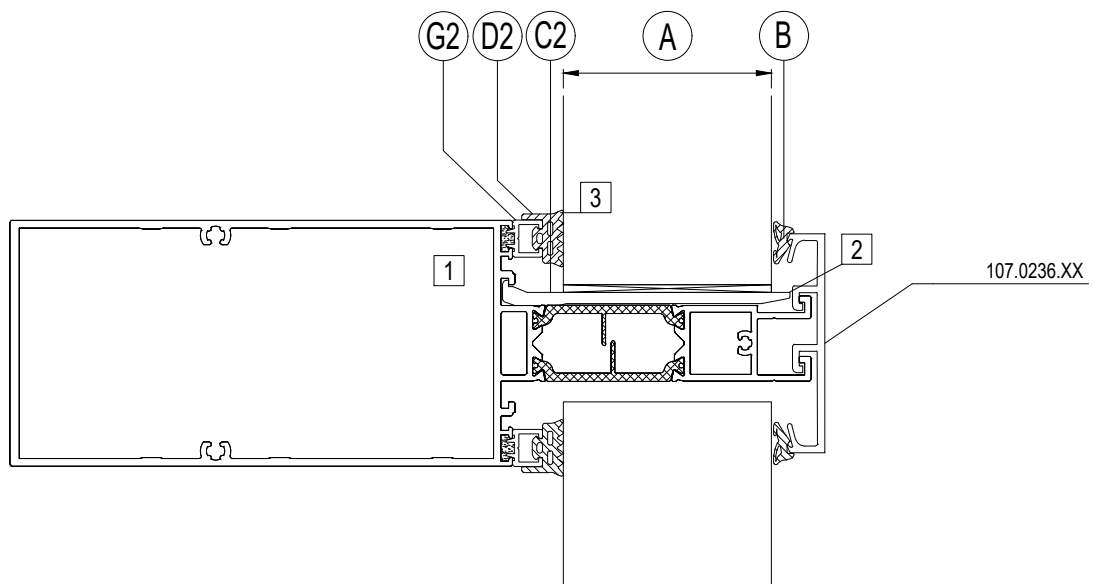
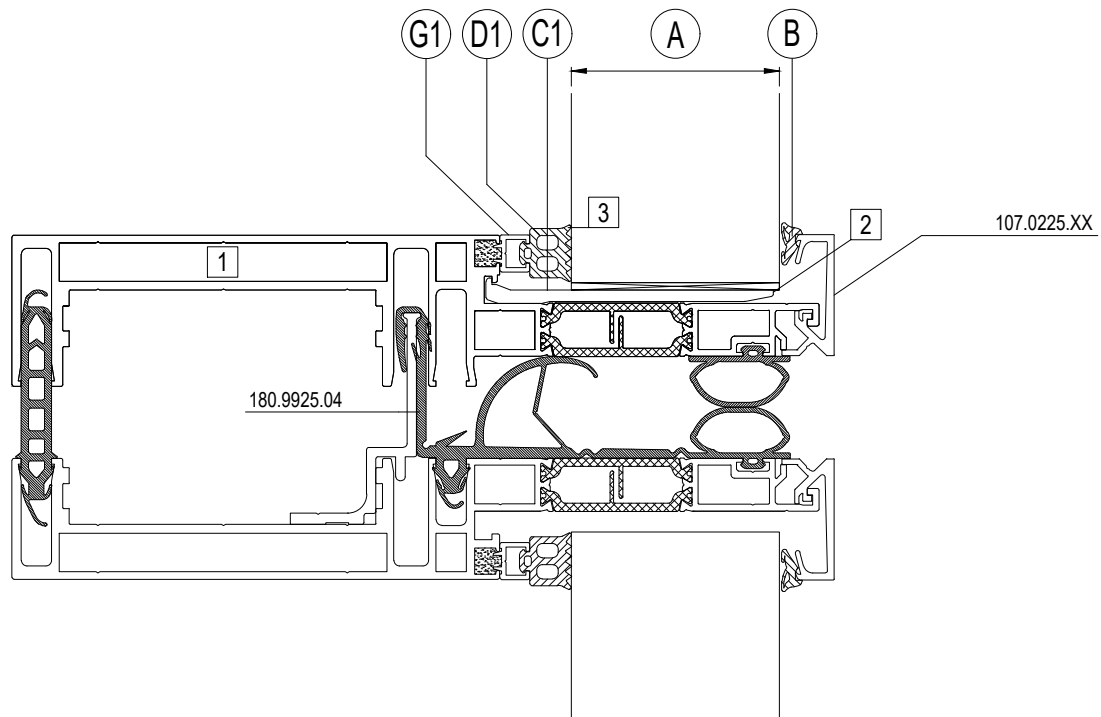
1 2 3 .

schaal - échelle
scale - Maßstab
1/2

A	B	C1	C2	D1	D2	G1	G2
							
41 mm	080.9128.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
42 mm	080.9126.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
43 mm	080.9126.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
44 mm	080.9125.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
45 mm	080.9124.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
46 mm	080.9123.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
47 mm	080.9130.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-
48 mm	080.9130.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-
49 mm	080.9128.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-
50 mm	080.9126.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-
51 mm	080.9126.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-
52 mm	080.9125.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-
53 mm	080.9124.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-
54 mm	080.9123.SY	173.8402.00	173.8402.00	080.9871.04	080.9876.04	-	-



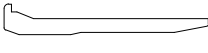
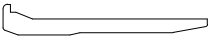
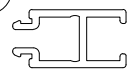
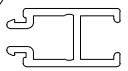
(A)	(B)	(C1)	(C2)	(D1)	(D2)
					
55 mm	080.9124.SY	173.8403.XX	173.8402.00	080.9871.04	080.9876.04
56 mm	080.9123.SY	173.8403.XX	173.8402.00	080.9871.04	080.9876.04
57 mm	080.9126.SY	173.8403.XX	173.8402.00	080.9810.SY	080.9815.SY
58 mm	080.9125.SY	173.8403.XX	173.8402.00	080.9810.SY	080.9815.SY

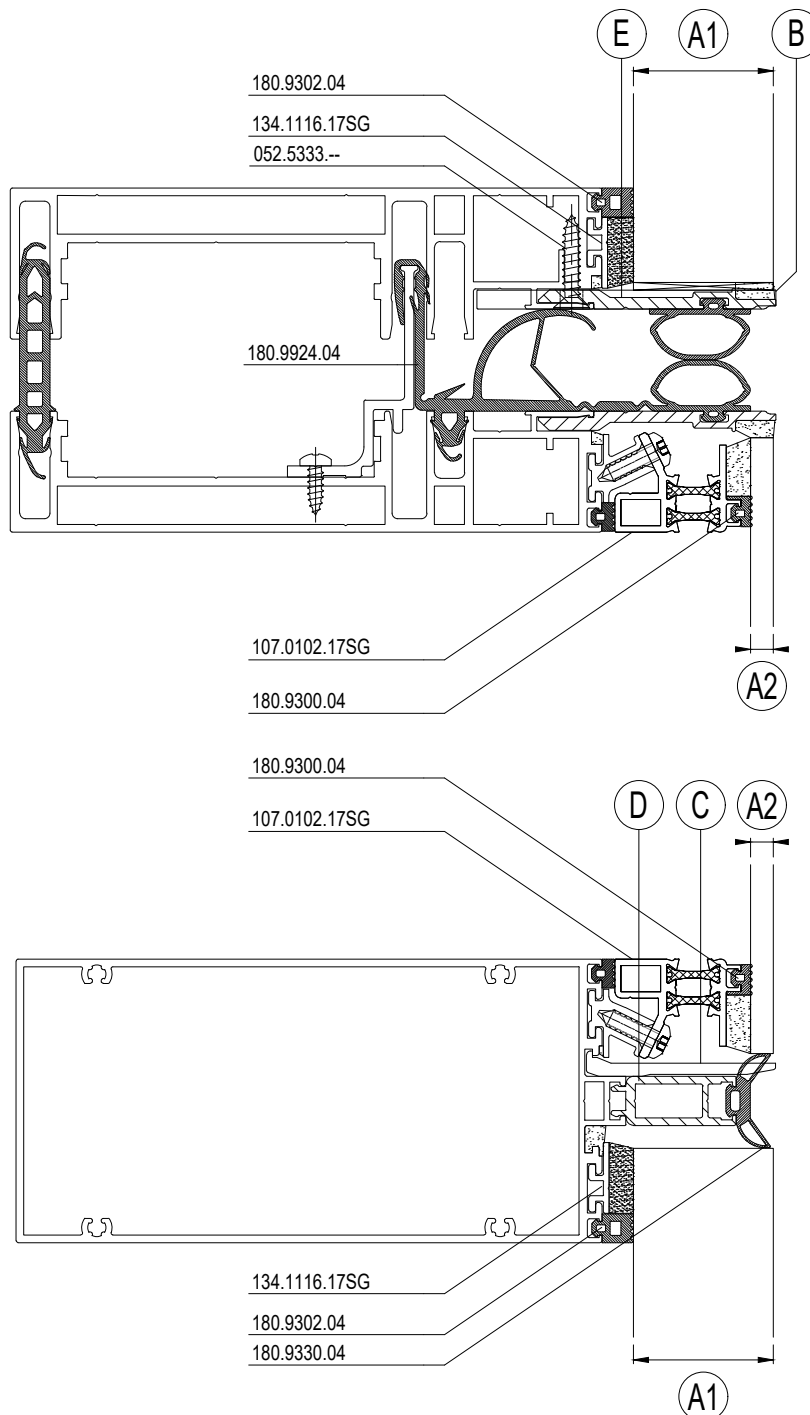


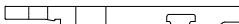
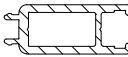
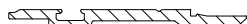
MONTAGEVOLGORDE
L'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

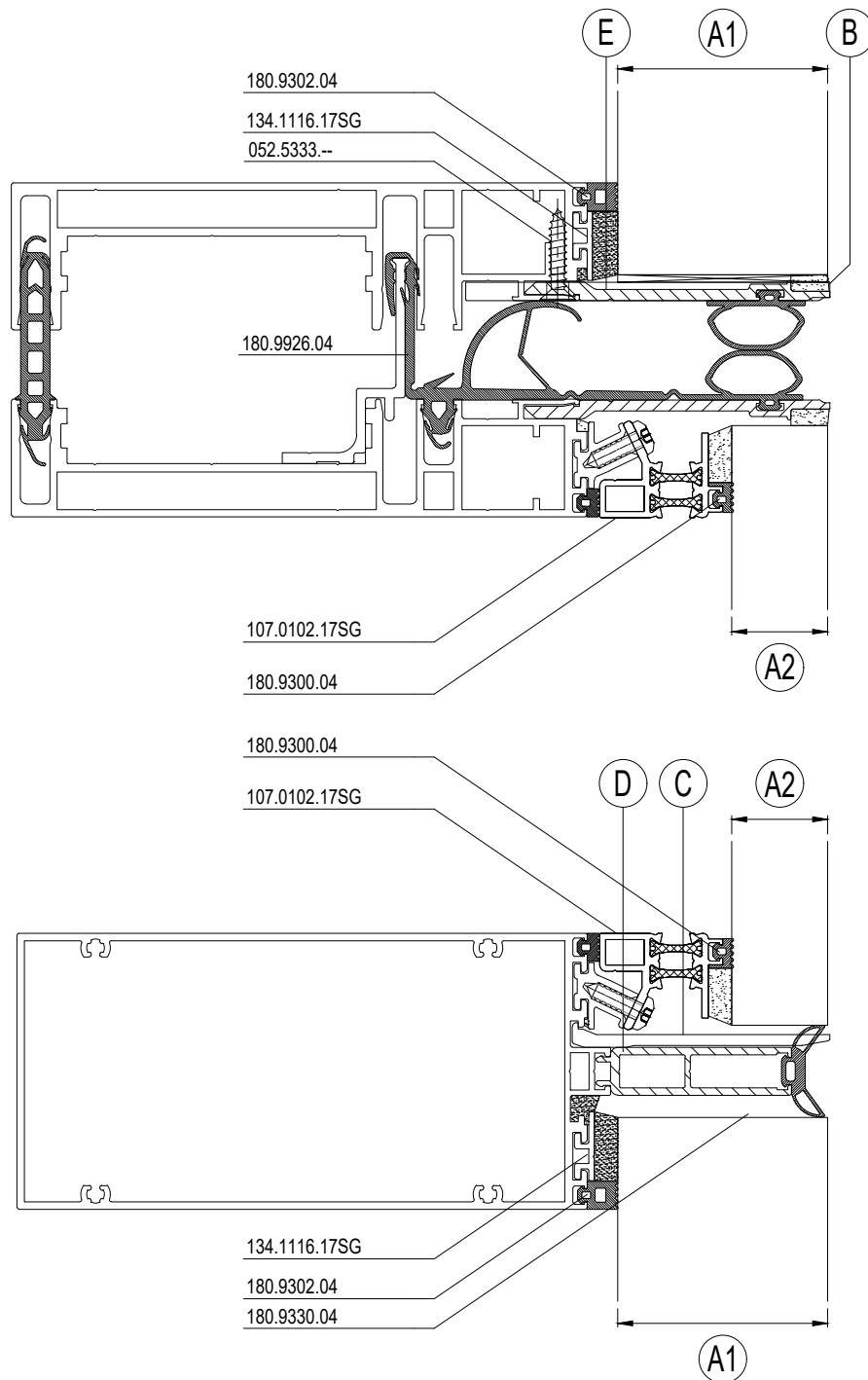
1 2 3 .

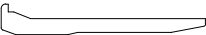
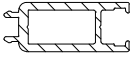
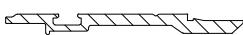
schaal - échelle
scale - Maßstab
1/2

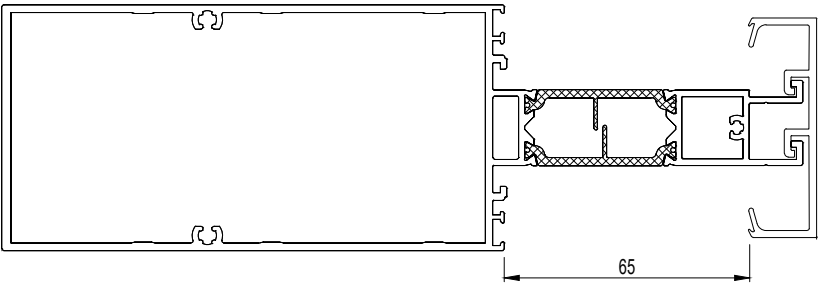
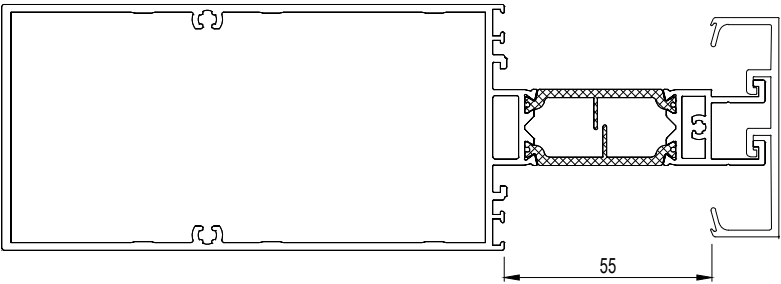
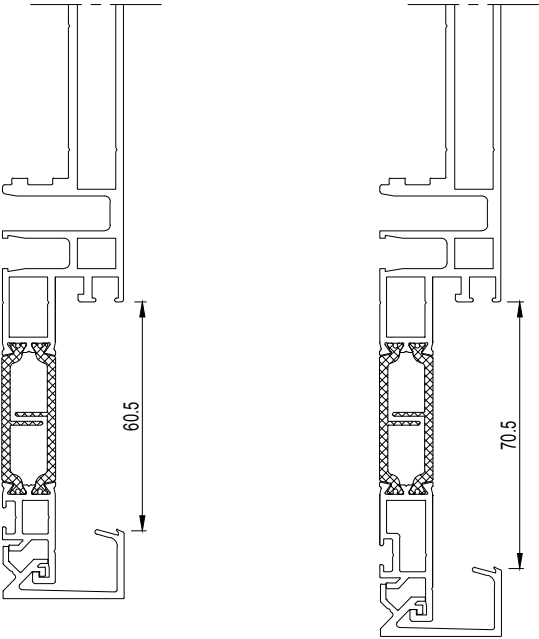
A	B	C1	C2	D1	D2	G1	G2
							
55 mm	080.9124.SY	173.8404.00	173.8404.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
56 mm	080.9123.SY	173.8404.00	173.8404.00	080.9871.04	080.9876.04	034.0514.XX	034.0514.XX
57 mm	080.9130.SY	173.8403.XX	173.8402.00	080.9871.04	080.9876.04	-	-
58 mm	080.9130.SY	173.8403.XX	173.8402.00	080.9871.04	080.9876.04	-	-
59 mm	080.9128.SY	173.8404.00	173.8402.00	080.9871.04	080.9876.04	-	-
60 mm	080.9126.SY	173.8404.00	173.8402.00	080.9871.04	080.9876.04	-	-
61 mm	080.9126.SY	173.8404.00	173.8404.00	080.9871.04	080.9876.04	-	-
62 mm	080.9125.SY	173.8404.00	173.8404.00	080.9871.04	080.9876.04	-	-
63 mm	080.9124.SY	173.8404.00	173.8404.00	080.9871.04	080.9876.04	-	-
64 mm	080.9123.SY	173.8404.00	173.8404.00	080.9871.04	080.9876.04	-	-



A1	A2	B	C	D	E
					
36 mm	5 mm	173.8505.C35	173.8401.XX	134.0600.04	134.0302.04
37 mm	6 mm	173.8505.C35	173.8401.XX	134.0600.04	134.0302.04
38 mm	7 mm	173.8505.C35	173.8401.XX	134.0600.04	134.0302.04
39 mm	8 mm	173.8505.C35	173.8401.XX	134.0600.04	134.0302.04
40 mm	9 mm	173.8505.C35	173.8401.XX	134.0600.04	134.0302.04



A1	A2	B	C	D	E
					
56 mm	25 mm	173.8506.C35	173.8403.XX	134.0601.04	134.0304.04
57 mm	26 mm	173.8506.C35	173.8403.XX	134.0601.04	134.0304.04
58 mm	27 mm	173.8506.C35	173.8403.XX	134.0601.04	134.0304.04
59 mm	28 mm	173.8506.C35	173.8403.XX	134.0601.04	134.0304.04
60 mm	29 mm	173.8506.C35	173.8403.XX	134.0601.04	134.0304.04

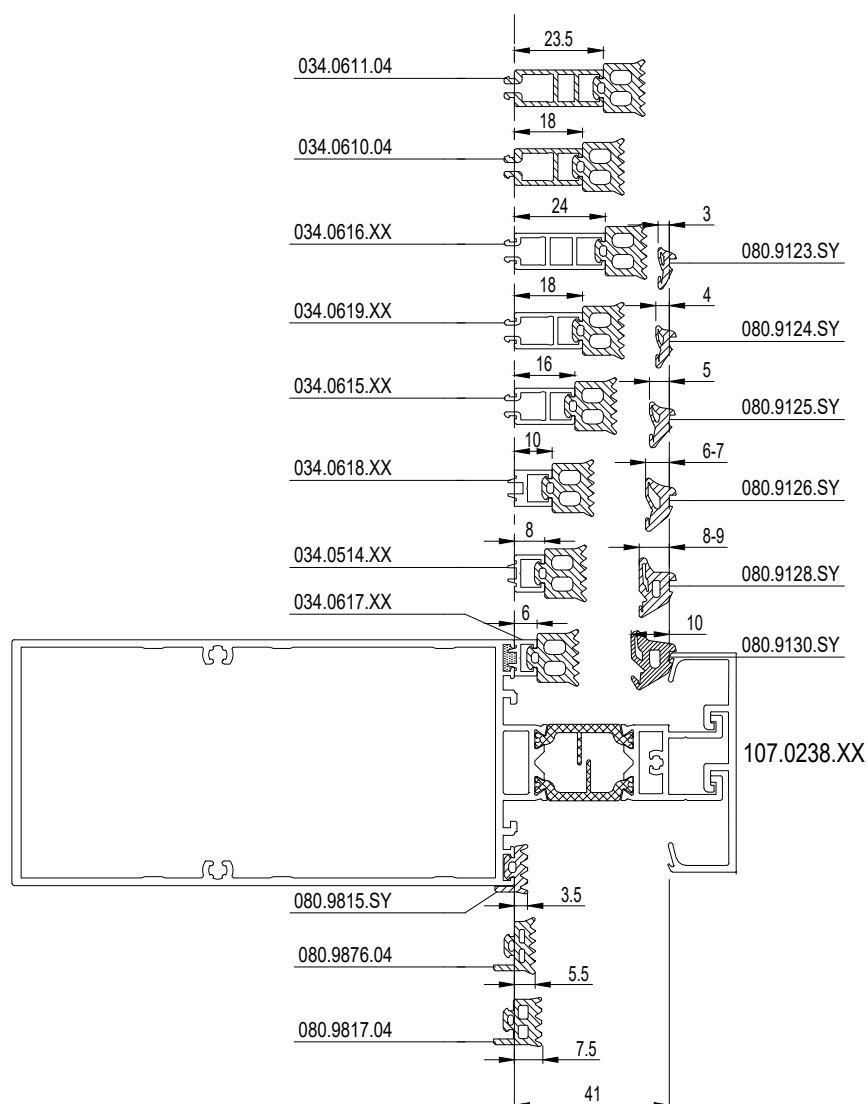
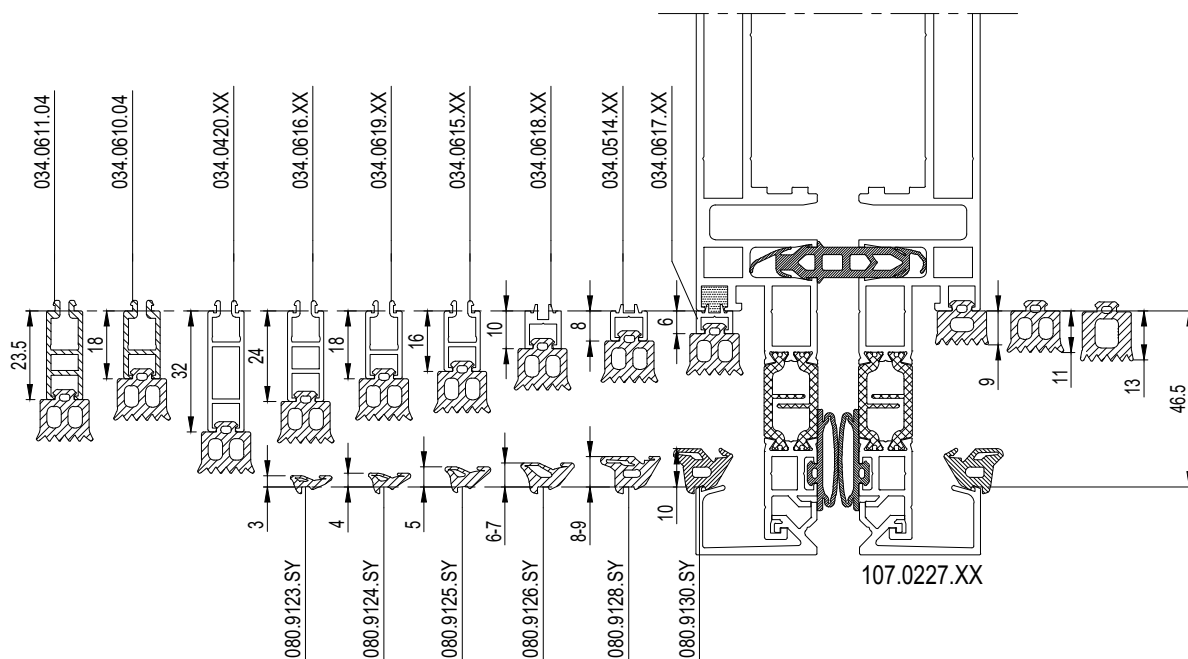


3.5 - 3.5mm
5.5 - 5.5mm
9 - 9mm
11 - 11mm
13 - 13mm

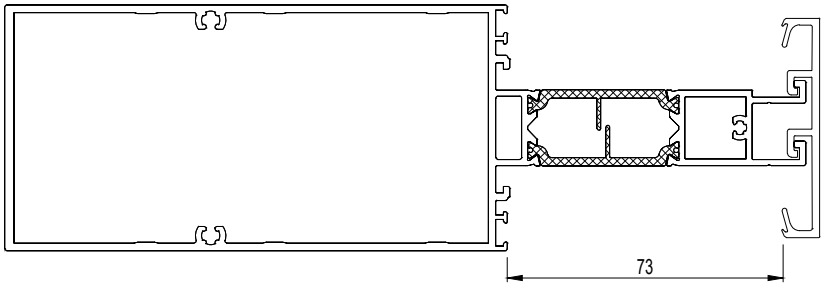
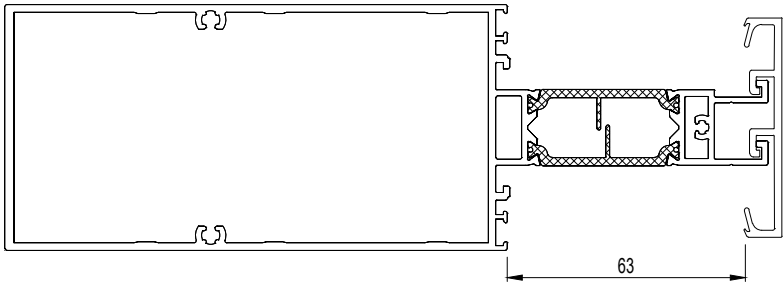
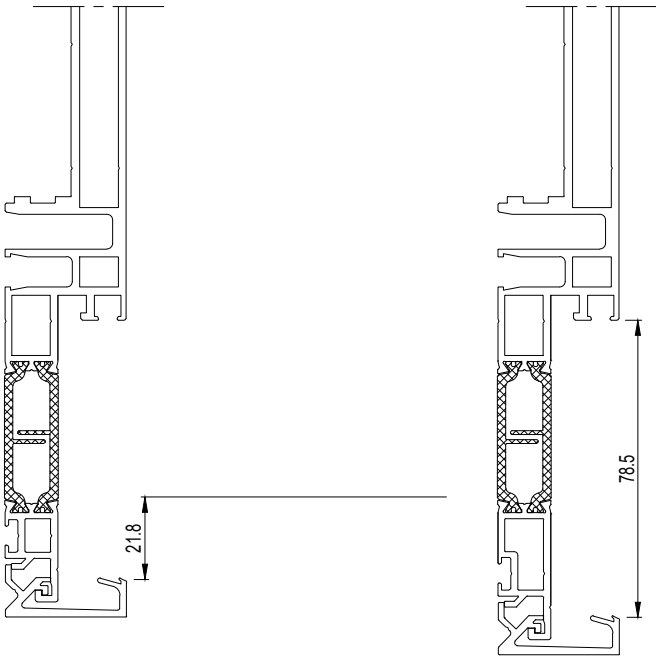
	
080.9815.SY	180.9863.04
080.9871.04	180.9865.04
080.9810.SY	080.9872.04
080.9876.04	180.9873.04
080.9812.04	-

3.5 - 9mm
5.5 - 11mm
7.5 - 13mm

		
080.9815.SY	080.9810.SY	080.9864.04
080.9871.04	080.9876.04	080.9863.04
080.9817.04	080.9812.04	-



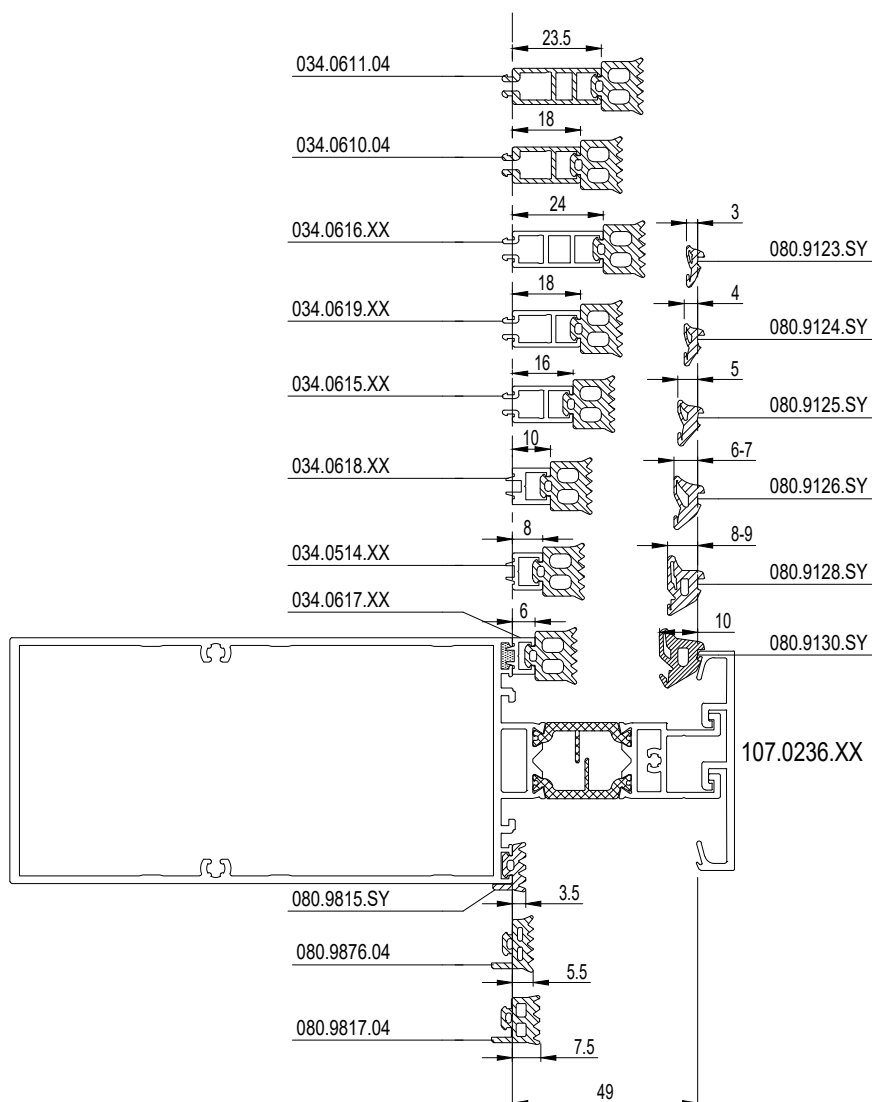
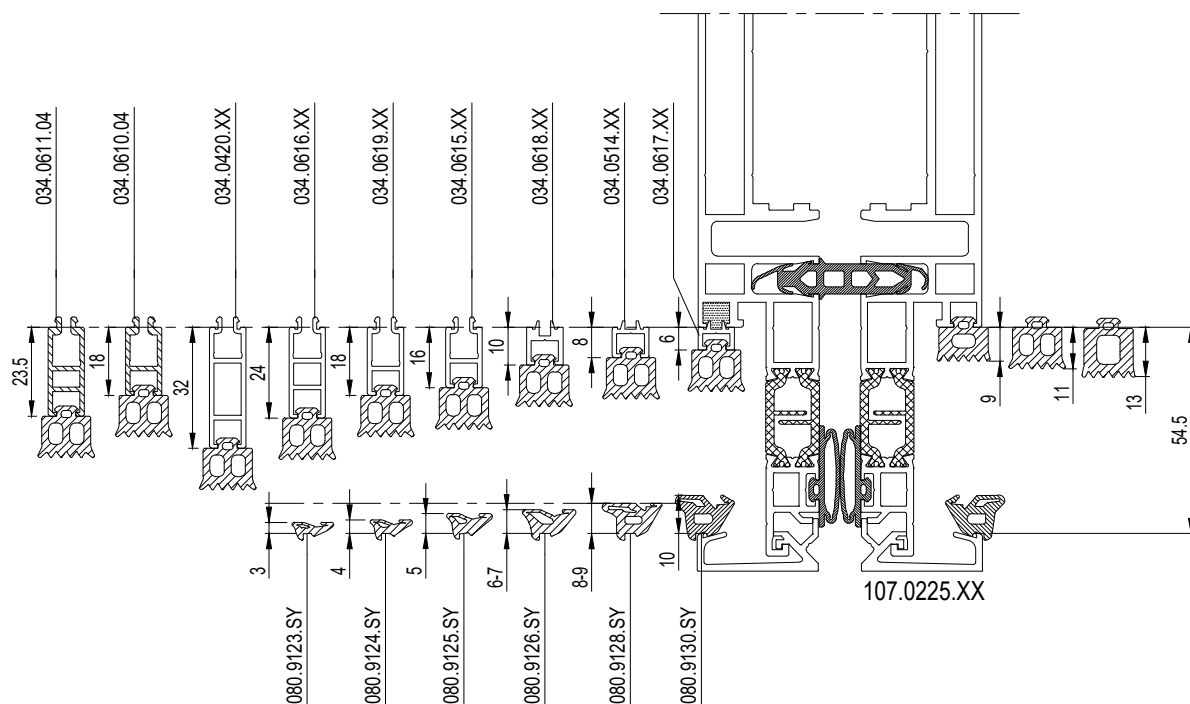
schaal - échelle
scale - Maßstab
1/2



3.5 - 3.5mm	080.9815.SY	180.9863.04
5.5 - 5.5mm	080.9871.04	180.9865.04
9 - 9mm	080.9810.SY	080.9872.04
11 - 11mm	080.9876.04	180.9873.04
13 - 13mm	080.9812.04	-

3.5 - 9mm	080.9815.SY	080.9810.SY	080.9864.04
5.5 - 11mm	080.9871.04	080.9876.04	080.9863.04
7.5 - 13mm	080.9817.04	080.9812.04	-

schaal - échelle
scale - Maßstab
1/2



EF 7

AFSTANDHOUDER BEGLAZING
REDUCTEUR DE FEUILLURE VITRAGE
FILLISTER REDUCER PART GLAZING
NUR FUER GLASBEDACHUNG



G

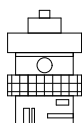


Reynaers
Aluminium

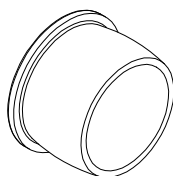
Toebehoren
Accessoires
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197.E900.00
(67.G.044)

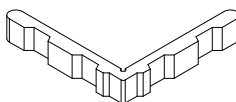
197.E900.00



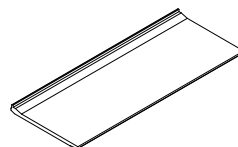
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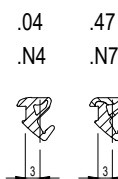
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073.8402.00
(67.G.010)

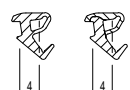


080.9123.SY
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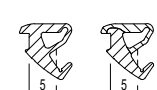
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.04 .47
.N4 .N7



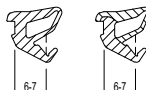
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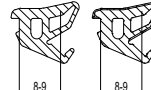
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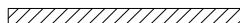


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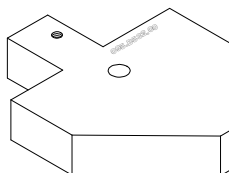
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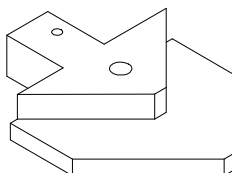
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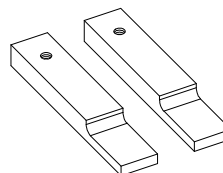
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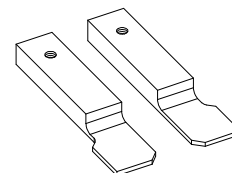
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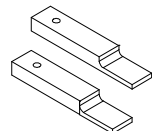
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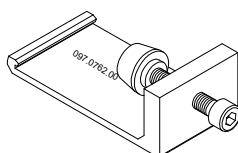
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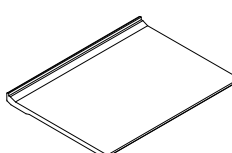
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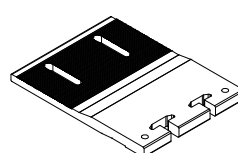
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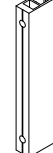
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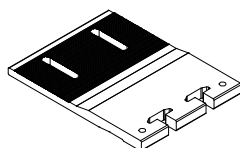
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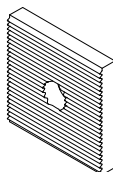
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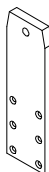
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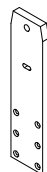
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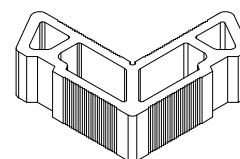
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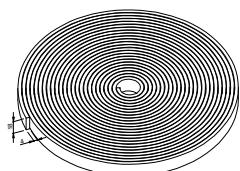
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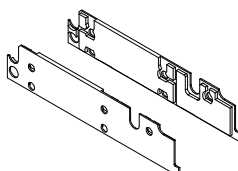
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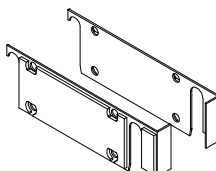
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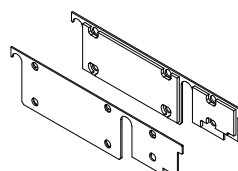
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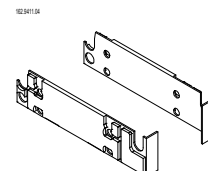
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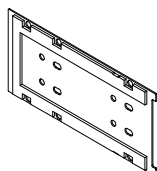
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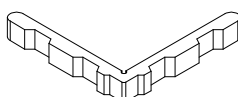
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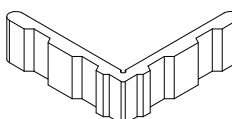
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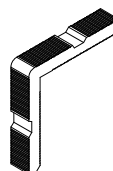
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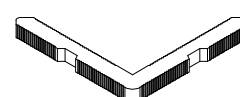
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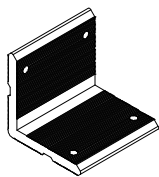
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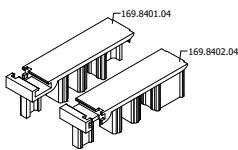
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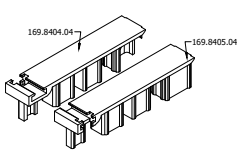
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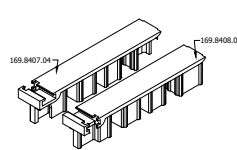
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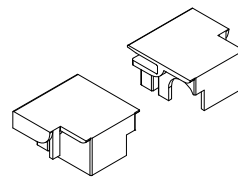
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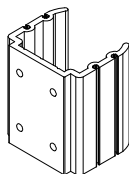
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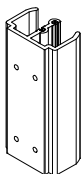
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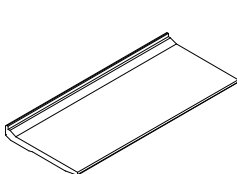
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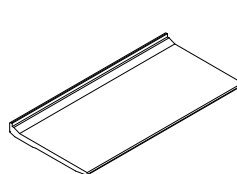
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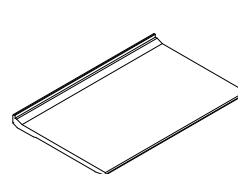
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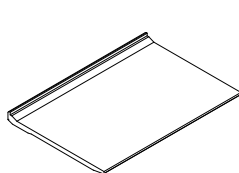
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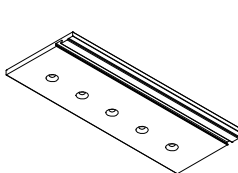
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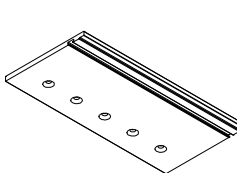
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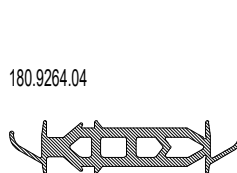
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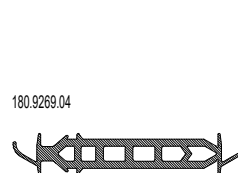
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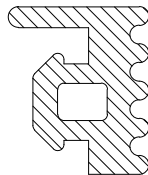
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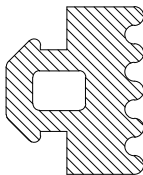
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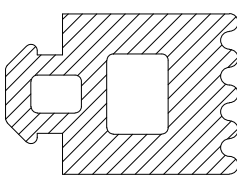
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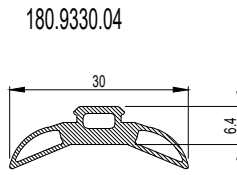
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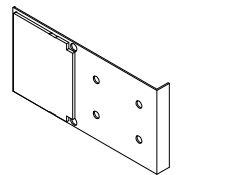
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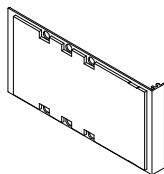
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180.9404.04
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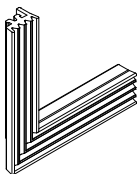
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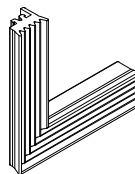
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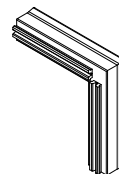
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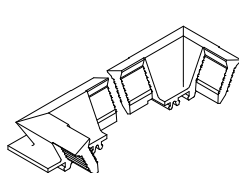
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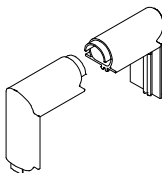
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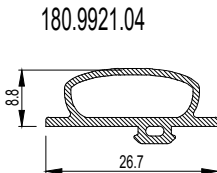
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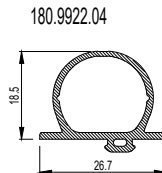
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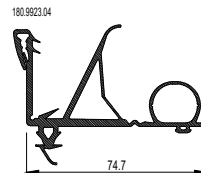
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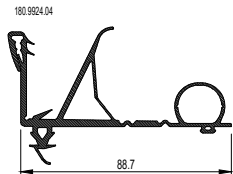
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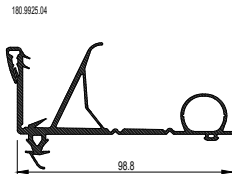
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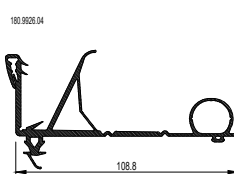
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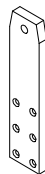
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180.9926.04
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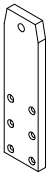
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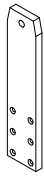
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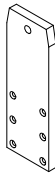
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C56.2361.00
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C56.3360.00
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C56.3361.00
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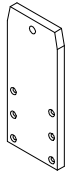
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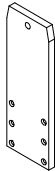
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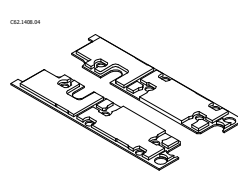
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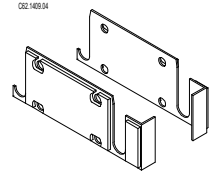
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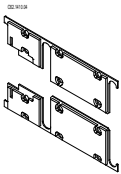
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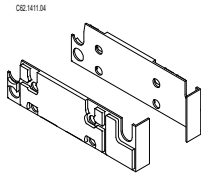
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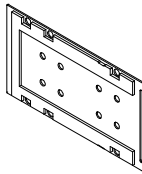
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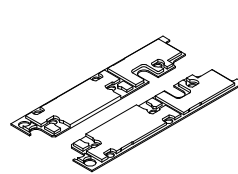
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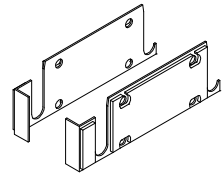
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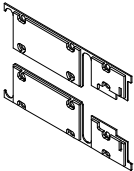
C62.2408.04
(67.G.015)



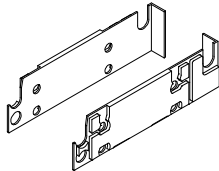
C62.2409.04
(67.G.015)



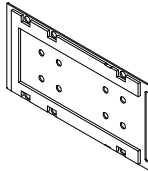
C62.2410.04
(67.G.015)



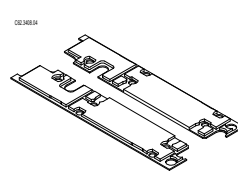
C62.2411.04
(67.G.015)



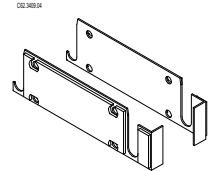
C62.2412.04
(67.G.021)



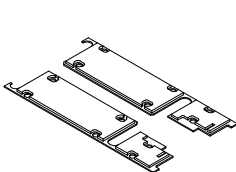
C62.3408.04
(67.G.016)



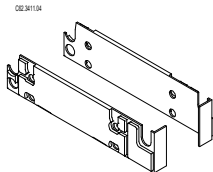
C62.3409.04
(67.G.016)



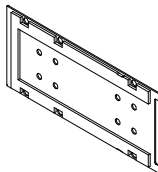
C62.3410.04
(67.G.016)



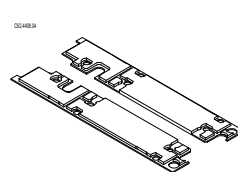
C62.3411.04
(67.G.016)



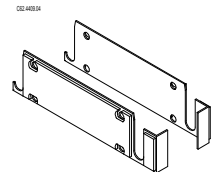
C62.3412.04
(67.G.022)



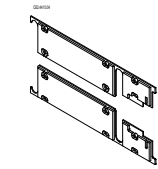
C62.4408.04
(67.G.017)



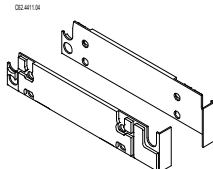
C62.4409.04
(67.G.017)



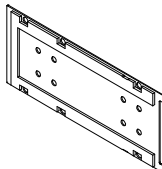
C62.4410.04
(67.G.017)



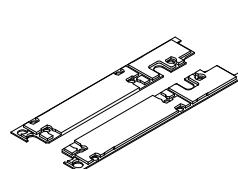
C62.4411.04
(67.G.017)



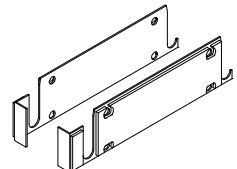
C62.4412.04
(67.G.023)



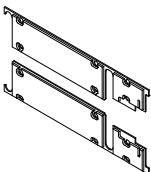
C62.5408.04
(67.G.018)



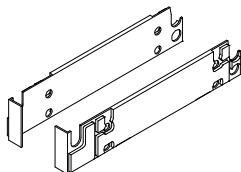
C62.5409.04
(67.G.018)



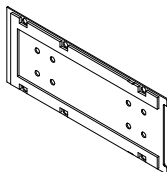
C62.5410.04
(67.G.018)



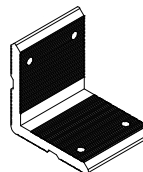
C62.5411.04
(67.G.018)



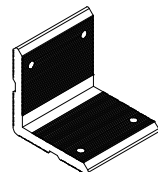
C62.5412.04
(67.G.024)



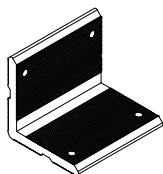
C68.1522.00
(67.G.007)



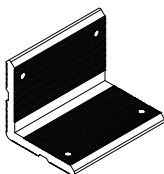
C68.2522.00
(67.G.007)



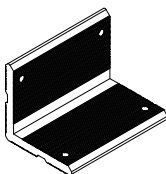
C68.3522.00
(67.G.007)



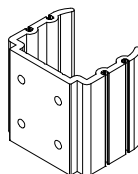
C68.4522.00
(67.G.007)



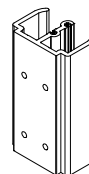
C68.5522.00
(67.G.007)



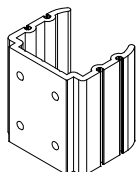
C73.1510.00
(67.G.020)



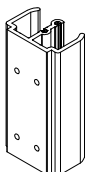
C73.1517.00
(67.G.020)



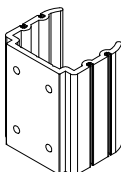
C73.2510.00
(67.G.021)



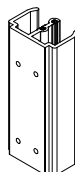
C73.2517.00
(67.G.021)



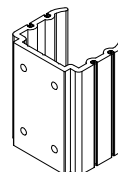
C73.3510.00
(67.G.022)



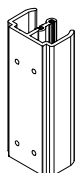
C73.3517.00
(67.G.022)



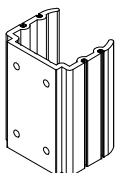
C73.4510.00
(67.G.023)



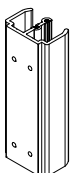
C73.4517.00
(67.G.023)



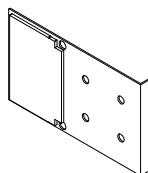
C73.5510.00
(67.G.024)



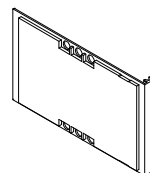
C73.5517.00
(67.G.024)



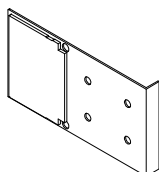
C80.1404.04
(67.G.020)



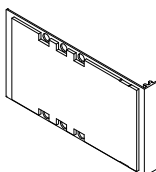
C80.1405.04
(67.G.025)



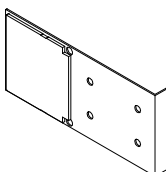
C80.2404.04
(67.G.021)



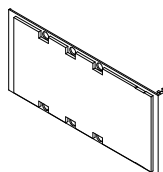
C80.2405.04
(67.G.025)



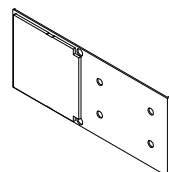
C80.3404.04
(67.G.022)



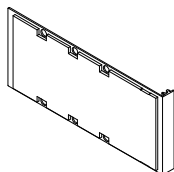
C80.3405.04
(67.G.026)



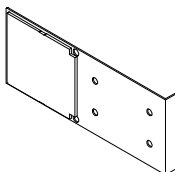
C80.4404.04
(67.G.023)



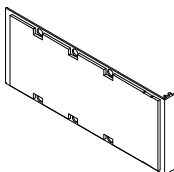
C80.4405.04
(67.G.026)



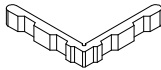
C80.5404.04
(67.G.024)



C80.5405.04
(67.G.026)



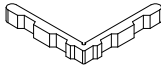
068.8261.00



PERSHOEK 6.4x10 mm
EQUERRE A SERTIR 6.4x10 mm
CRIMP CORNER CLEAT 6.4x10 mm
PRESSECKWINKEL 6.4x10 mm
ESCUADRA DE ENSAMBLAR 6.4x10 mm
NAROZNIK ZACISKANY 6.4x10 mm

EF 7-SG

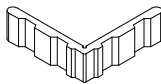
168.6510.00



HOEKVERBINDER 8,5 MM
EQUERRE 8,5 MM
CORNER CLEAT 8,5 MM
ECKVERBINDER 8,5 MM
ESCUADRA 8,5 MM
LACZNIK NAROZNY 8,5 MM

EF 7		
107.0210.XX	C07.2220.XX	C07.5211.XX
107.0211.XX	C07.2221.XX	C07.5220.XX
107.0220.XX	C07.3210.XX	C07.5221.XX
107.0221.XX	C07.3211.XX	
C07.1210.XX	C07.3220.XX	
C07.1211.XX	C07.3221.XX	
C07.1220.XX	C07.4210.XX	
C07.1221.XX	C07.4211.XX	
C07.2210.XX	C07.4220.XX	
C07.2211.XX	C07.4221.XX	
C07.2212.XX	C07.5210.XX	

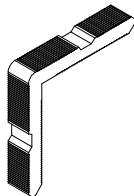
168.6511.00



HOEKVERBINDER 18.3 MM
EQUERRE 18.3 MM
CORNER CLEAT 18.3 MM
ECKVERBINDER 18.3 MM
ESCUADRA 18.3 MM
LACZNIK NAROZNY 18.3 MM

EF 7	
107.0212.XX	C07.5212.XX
107.0222.XX	C07.5222.XX
C07.1212.XX	
C07.1222.XX	EF 7-SG
C07.2212.XX	
C07.2222.XX	
C07.3212.XX	
C07.3222.XX	
C07.4212.XX	
C07.4222.XX	

168.6512.00



HOEKVERBINDER 15.3 MM
EQUERRE 15.3 MM
CORNER CLEAT 15.3 MM
ECKVERBINDER 15.3 MM
ESCUADRA 15.3 MM
LACZNIK NAROZNY 15.3 MM

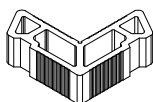
EF 7			
107.0210.XX	C07.1221.XX	C07.3220.XX	C07.5212.XX
107.0211.XX	C07.1222.XX	C07.3221.XX	C07.5220.XX
107.0212.XX	C07.2210.XX	C07.3222.XX	C07.5221.XX
107.0220.XX	C07.2211.XX	C07.4210.XX	C07.5222.XX
107.0221.XX	C07.2212.XX	C07.4211.XX	
107.0222.XX	C07.2220.XX	C07.4212.XX	EF 7-SG
C07.1210.XX	C07.2221.XX	C07.4220.XX	
C07.1211.XX	C07.2222.XX	C07.4221.XX	
C07.1212.XX	C07.3210.XX	C07.4222.XX	
C07.1220.XX	C07.3211.XX	C07.5210.XX	
	C07.3212.XX	C07.5211.XX	



168.6520.00

HOEKVERBINDER 7,4
EQUERRE 7,4
CORNER CLEAT 7,4
ECKVERBINDER 7,4
ESCUADRA 7,4
LACZNIK NAROZNY 7,4

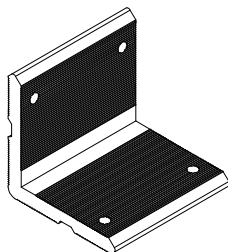
EF 7		
107.0210.XX	C07.2222.XX	C07.5222.XX
107.0211.XX	C07.3210.XX	
107.0212.XX	C07.3211.XX	EF 7-SG
107.0220.XX	C07.3212.XX	107.0501.XX
107.0221.XX	C07.3220.XX	107.0510.XX
107.0222.XX	C07.3221.XX	C07.1501.XX
C07.1210.XX	C07.3222.XX	C07.1510.XX
C07.1211.XX	C07.4210.XX	C07.2501.XX
C07.1212.XX	C07.4211.XX	C07.2510.XX
C07.1220.XX	C07.4212.XX	C07.3501.XX
C07.1221.XX	C07.4220.XX	C07.3510.XX
C07.1222.XX	C07.4221.XX	C07.4501.XX
C07.2210.XX	C07.4222.XX	C07.4510.XX
C07.2211.XX	C07.5210.XX	C07.5501.XX
C07.2212.XX	C07.5211.XX	C07.5510.XX
C07.2220.XX	C07.5212.XX	
C07.2221.XX	C07.5220.XX	
	C07.5221.XX	



160.6523.00

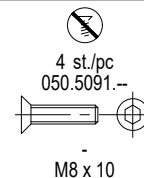
HOEKVERBINDER 18.6 MM
EQUERRE 18.6 MM
CORNER CLEAT 18.6 MM
ECKVERBINDER 18.6 MM
ESCUADRA 18.6 MM
LACZNIK NAROZNY 18.6 MM

EF 7-SG
107.0501.XX
107.0510.XX
C07.1501.XX
C07.1510.XX
C07.2501.XX
C07.2510.XX
C07.3501.XX
C07.3510.XX
C07.4501.XX
C07.4510.XX
C07.5501.XX
C07.5510.XX



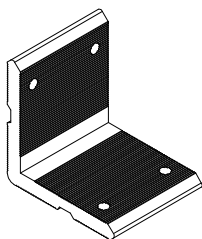
168.6522.00

PERSHOEK / SCHROEFHOEK
EQUERRE A SERTIR / EQUERRE A VISSE
CRIMP CORNER CLEAT / SCREW CORNER CLEAT
PRESSECKWINKEL / SCHRAUBECKWINKEL
ESCUADRA DE ENSAMBLAR / ESCUADRA DE ATORNILLAR
NAROZNIK ZACISKANY / NAROZNIK SKRECANY



EF 7
107.0210.XX
107.0211.XX
107.0212.XX
107.0220.XX
107.0221.XX
107.0222.XX

EF 7-SG
107.0501.XX
107.0510.XX



C68.1522.00

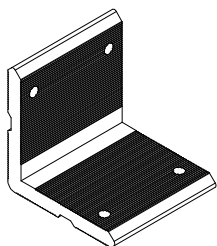
PERSHOEK / SCHROEFHOEK
EQUERRE A SERTIR / EQUERRE A VISSER
CRIMP CORNER CLEAT / SCREW CORNER CLEAT
PRESSECKWINKEL / SCHRAUBECKWINKEL
ESCUADRA DE ENSAMBLAR / ESCUADRA DE ATORNILLAR
NAROZNIK ZACISKANY / NAROZNIK SKRECANY

EF 7

C07.1210.XX
C07.1211.XX
C07.1212.XX
C07.1220.XX
C07.1221.XX
C07.1222.XX

EF 7-SG

C07.1501.XX
C07.1510.XX



C68.2522.00

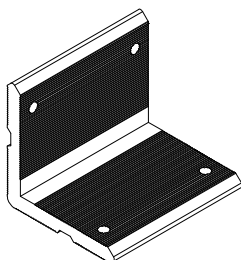
PERSHOEK / SCHROEFHOEK
EQUERRE A SERTIR / EQUERRE A VISSER
CRIMP CORNER CLEAT / SCREW CORNER CLEAT
PRESSECKWINKEL / SCHRAUBECKWINKEL
ESCUADRA DE ENSAMBLAR / ESCUADRA DE ATORNILLAR
NAROZNIK ZACISKANY / NAROZNIK SKRECANY

EF 7

C07.2210.XX
C07.2211.XX
C07.2212.XX
C07.2220.XX
C07.2221.XX
C07.2222.XX

EF 7-SG

C07.2501.XX
C07.2510.XX



C68.3522.00

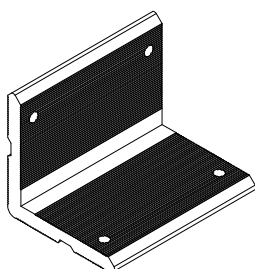
PERSHOEK / SCHROEFHOEK
EQUERRE A SERTIR / EQUERRE A VISSER
CRIMP CORNER CLEAT / SCREW CORNER CLEAT
PRESSECKWINKEL / SCHRAUBECKWINKEL
ESCUADRA DE ENSAMBLAR / ESCUADRA DE ATORNILLAR
NAROZNIK ZACISKANY / NAROZNIK SKRECANY

EF 7

C07.3210.XX
C07.3211.XX
C07.3212.XX
C07.3220.XX
C07.3221.XX
C07.3222.XX

EF 7-SG

C07.3501.XX
C07.3510.XX



C68.4522.00

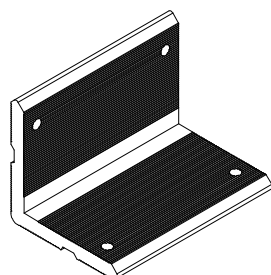
PERSHOEK / SCHROEFHOEK
EQUERRE A SERTIR / EQUERRE A VISSER
CRIMP CORNER CLEAT / SCREW CORNER CLEAT
PRESSECKWINKEL / SCHRAUBECKWINKEL
ESCUADRA DE ENSAMBLAR / ESCUADRA DE ATORNILLAR
NAROZNIK ZACISKANY / NAROZNIK SKRECANY

EF 7

C07.4210.XX
C07.4211.XX
C07.4212.XX
C07.4220.XX
C07.4221.XX
C07.4222.XX

EF 7-SG

C07.4501.XX
C07.4510.XX



C68.5522.00

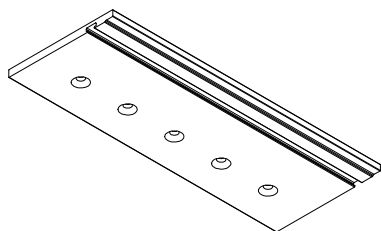
PERSHOEK / SCHROEFHOEK
EQUERRE A SERTIR / EQUERRE A VISSER
CRIMP CORNER CLEAT / SCREW CORNER CLEAT
PRESSECKWINKEL / SCHRAUBECKWINKEL
ESCUADRA DE ENSAMBLAR / ESCUADRA DE ATORNILLAR
NAROZNIK ZACISKANY / NAROZNIK SKRECANY

EF 7

C07.5210.XX
C07.5211.XX
C07.5212.XX
C07.5220.XX
C07.5221.XX
C07.5222.XX

EF 7-SG

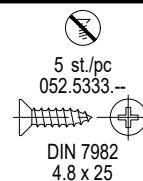
C07.5501.XX
C07.5510.XX



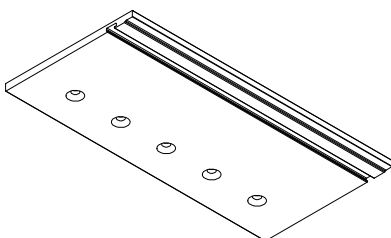
173.8505.C35

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

EF 7-SG



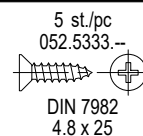
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052.5333.--
DIN 7982
4.8 x 25



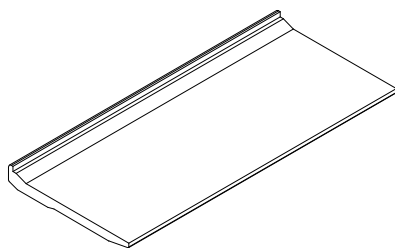
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GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

EF 7-SG



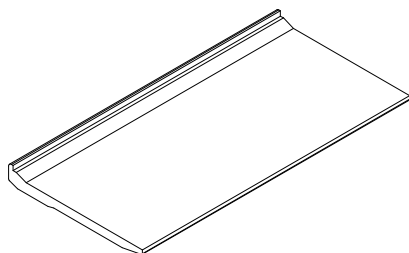
5 st./pc
052.5333.--
DIN 7982
4.8 x 25



173.8400.00

GLASSTEUN 45 MM
SUPPORT CALE DE VITRAGE 45 MM
GLASS SUPPORT 45 MM
GLASAUFLAGEPROFIL 45 MM
SOPORTE VIDRIO 45 MM
PODPORKA POD PRZESZK. 45 MM

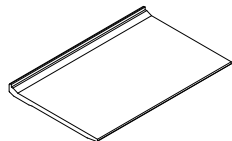
EF 7
EF 7-SG



173.8401.XX

GLASSTEUN 50 MM
SUPPORT CALE DE VITRAGE 50 MM
GLASS SUPPORT 50 MM
GLASAUFLAGEPROFIL 50 MM
SOPORTE VIDRIO 50 MM
PODPORKA POD PRZESZK. 50 MM

EF 7
EF 7-SG



173.8402.00

GLASSTEUN 66 MM
SUPPORT CALE DE VITRAGE 66 MM
GLASS SUPPORT 66 MM
GLASAUFLAGEPROFIL 66 MM
SOPORTE VIDRIO 66 MM
PODPORKA POD PRZESZK. 66 MM

EF 7
EF 7-SG

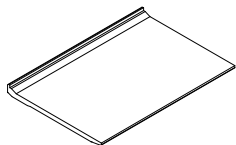
073.8402.00

GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.



L=150
B=60.7
H=6.2

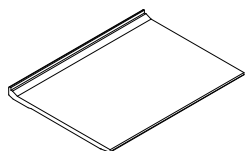
CW OUTWARD OPENING
EF 7-GB



173.8403.XX

GLASSTEUN 70 MM
SUPPORT CALE DE VITRAGE 70 MM
GLASS SUPPORT 70 MM
GLASAUFLAGEPROFIL 70 MM
SOPORTE VIDRIO 70 MM
PODPORKA POD PRZESZK. 70 MM

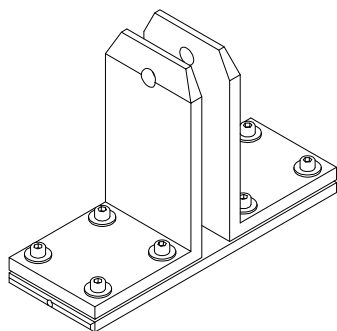
EF 7
EF 7-SG



173.8404.00

GLASSTEUN 76 MM
SUPPORT CALE DE VITRAGE 76 MM
GLASS SUPPORT 76 MM
GLASAUFLAGEPROFIL 76 MM
SOPORTE VIDRIO 76 MM
PODPORKA POD PRZESZK. 76 MM

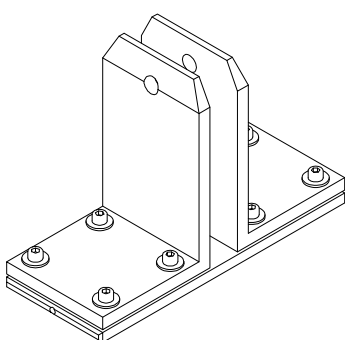
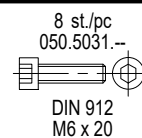
EF 7
EF 7-SG



156.6370.00

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CONNECTION SET
KUPPLUNGSSET
KIT DE UNION
ZESTAW ŁĄCZĄCY

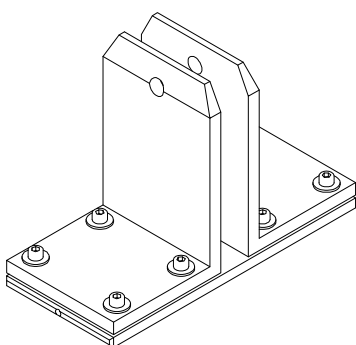
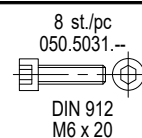
EF 7
EF 7-SG



C56.3370.00

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CONNECTION SET
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ZESTAW ŁĄCZĄCY

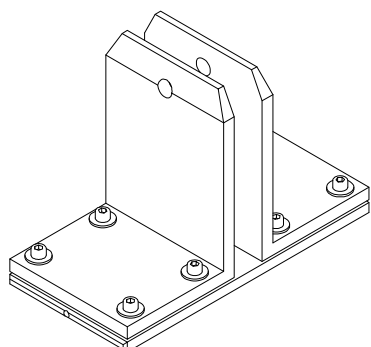
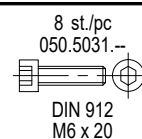
EF 7
EF 7-SG



C56.4370.00

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KIT DE UNION
ZESTAW ŁĄCZĄCY

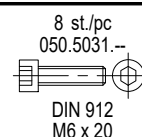
EF 7
EF 7-SG

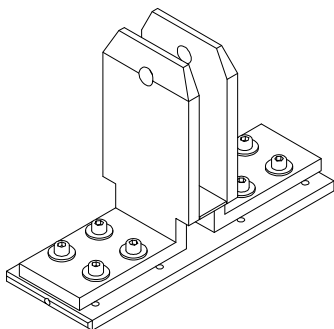
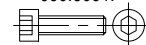
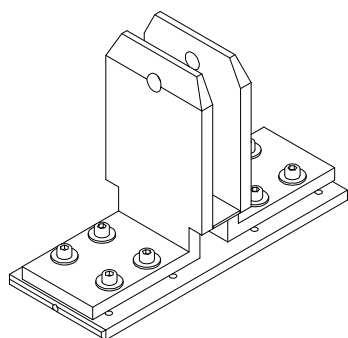
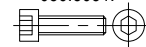
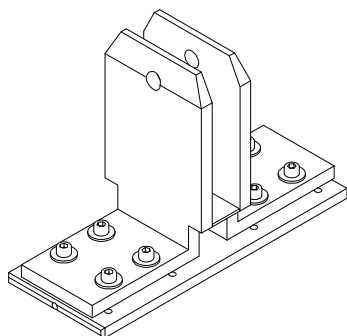
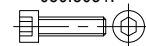
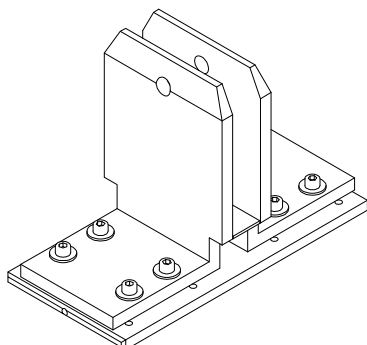
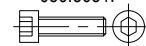


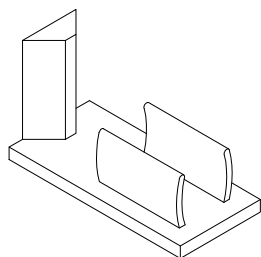
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KOPPELINGSSET
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CONNECTION SET
KUPPLUNGSSET
KIT DE UNION
ZESTAW ŁĄCZĄCY

EF 7
EF 7-SG



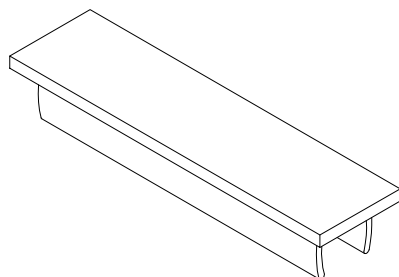
**156.6380.00**KOPPELINGSSET
SET DE RACCORDEMENT
CONNECTION SET
KUPPLUNGSSET
KIT DE UNION
ZESTAW ŁĄCZĄCYEF 7
EF 7-SG8 st./pc
050.5031.--

DIN 912
M6 x 20**C56.3380.00**KOPPELINGSSET
SET DE RACCORDEMENT
CONNECTION SET
KUPPLUNGSSET
KIT DE UNION
ZESTAW ŁĄCZĄCYEF 7
EF 7-SG8 st./pc
050.5031.--

DIN 912
M6 x 20**C56.4380.00**KOPPELINGSSET
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CONNECTION SET
KUPPLUNGSSET
KIT DE UNION
ZESTAW ŁĄCZĄCYEF 7
EF 7-SG8 st./pc
050.5031.--

DIN 912
M6 x 20**C56.5380.00**KOPPELINGSSET
SET DE RACCORDEMENT
CONNECTION SET
KUPPLUNGSSET
KIT DE UNION
ZESTAW ŁĄCZĄCYEF 7
EF 7-SG8 st./pc
050.5031.--

DIN 912
M6 x 20



169.8430.04

AFWERKINGSSTUK
PIECE DE FINITION
FINISHING PIECE
AUSFUEHRUNGSSTUECK
PIEZA DE ACABADO
ELEMENT WYKANCZAJACY

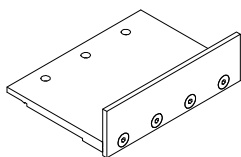
EF 7
EF 7-SG



169.8435.04

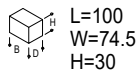
AFWERKINGSSTUK
PIECE DE FINITION
FINISHING PIECE
AUSFUEHRUNGSSTUECK
PIEZA DE ACABADO
ELEMENT WYKANCZAJACY

EF 7
EF 7-SG



173.8561.C35

UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

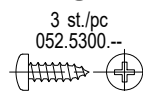


**CW OUTWARD OPENING
EF 7-SG**

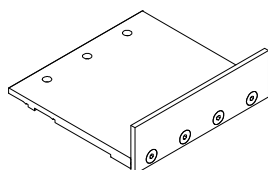
4 st./pc
050.5090.59



DIN7991
M4 x 16

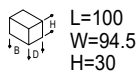


DIN 7981
4.8 x 19



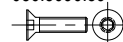
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UITVALBEVEILIGING
SECURITE ANTI-CHUTE
SECURITY AGAINST FALLING
AUSFALLSICHERUNG
SEGURO ANTI CAIDA
ZABEZPIECZNIE PRZED OPADNIECIEM

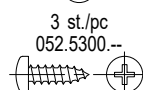


**CW OUTWARD OPENING
EF 7-SG**

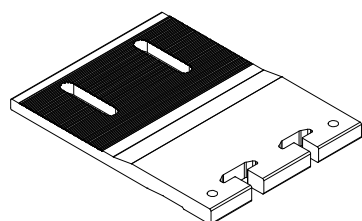
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DIN7991
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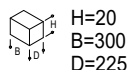


DIN 7981
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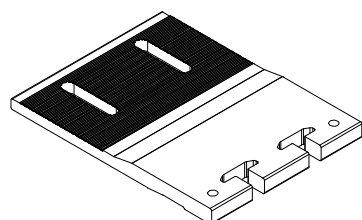


156.6350.00

ANKER
ANCRAGE
ANCHOR
ANKER
ANCLAJE
KOTEW HAKOWA

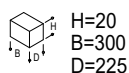


EF 7
EF 7-SG



156.6355.00

ANKER
ANCRAGE
ANCHOR
ANKER
ANCLAJE
KOTEW HAKOWA



EF 7
EF 7-SG



156.6353.00

ANKERSTUK
BASE D'ANCRAGE
PART ANCHOR
EINDREHANKER
PIEZA PARA ANCLAJE
ELEMENT KOTWY

EF 7
156.6350.00
156.6355.00

EF 7-SG
156.6350.00
156.6355.00

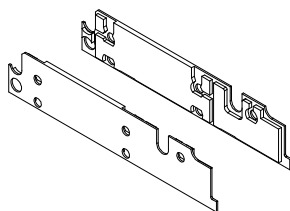


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ANKERSTUK
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PART ANCHOR
EINDREHANKER
PIEZA PARA ANCLAJE
ELEMENT KOTWY

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156.6355.00

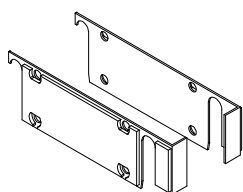
EF 7-SG
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156.6355.00



162.9408.04

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ENDSTUECK
TERMINAL
KONCOWKA

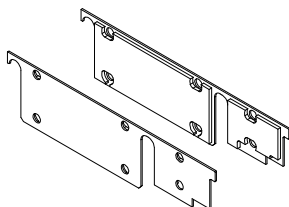
EF 7-SG



162.9409.04

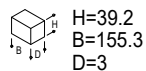
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TERMINAL
KONCOWKA

EF 7

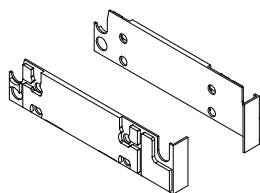


162.9410.04

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TERMINAL
KONCOWKA



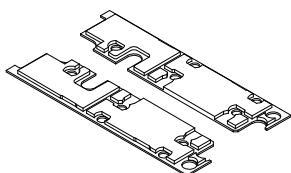
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162.9411.04

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TERMINAL
KONCOWKA

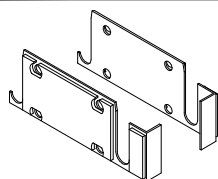
EF 7



C62.1408.04

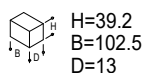
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KONCOWKA

EF 7-SG

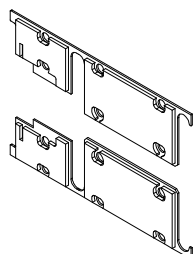


C62.1409.04

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KONCOWKA

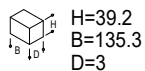


EF 7

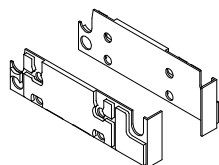


C62.1410.04

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TERMINAL
KONCOWKA

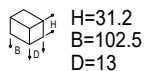


EF 7-SG

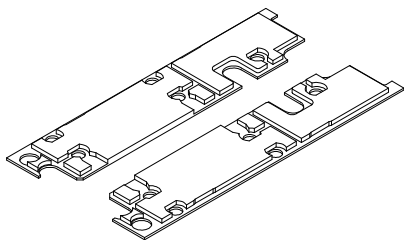


C62.1411.04

EINDSTUK
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ENDSTUECK
TERMINAL
KONCOWKA



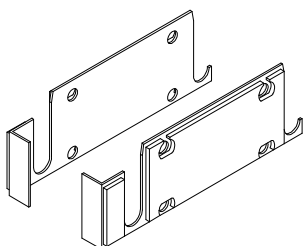
EF 7



C62.2408.04

EINDSTUK
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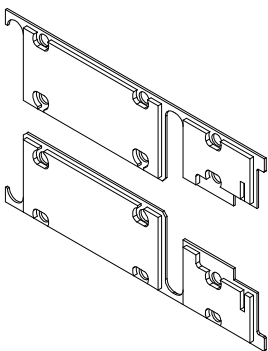
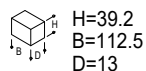
EF 7-SG



C62.2409.04

EINDSTUK
PIECE FINALE
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TERMINAL
KONCOWKA

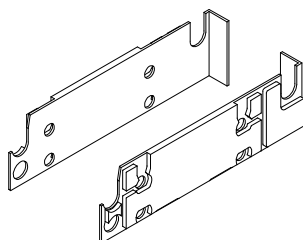
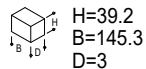
EF 7



C62.2410.04

EINDSTUK
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KONCOWKA

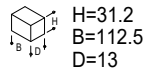
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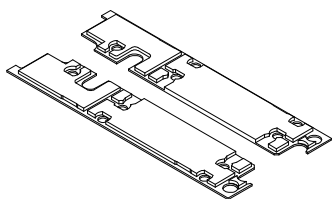


C62.2411.04

EINDSTUK
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ENDSTUECK
TERMINAL
KONCOWKA

EF 7

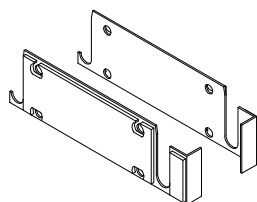




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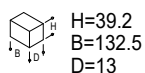
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END PIECE
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KONCOWKA

EF 7-SG

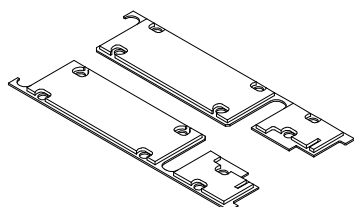


C62.3409.04

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TERMINAL
KONCOWKA

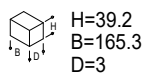


EF 7

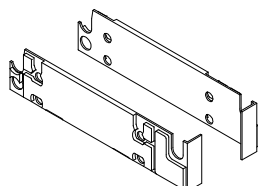


C62.3410.04

EINDSTUK
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TERMINAL
KONCOWKA

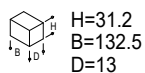


EF 7-SG

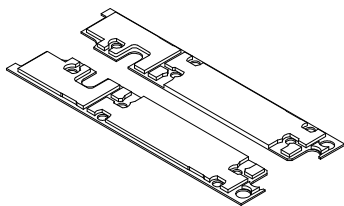


C62.3411.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



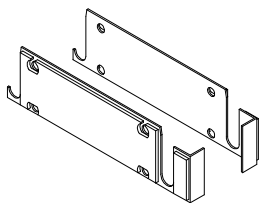
EF 7



C62.4408.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

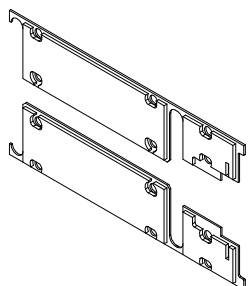
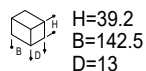
EF 7-SG



C62.4409.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

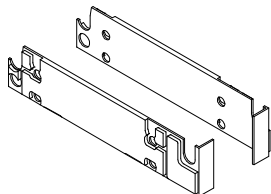
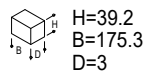
EF 7



C62.4410.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

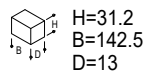
EF 7-SG

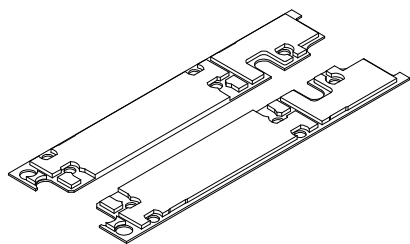


C62.4411.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

EF 7

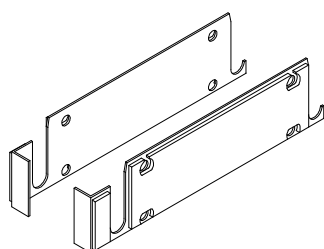




C62.5408.04

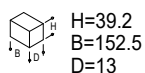
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

EF 7-SG

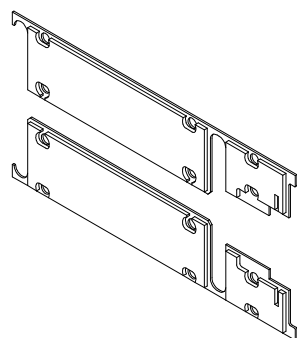


C62.5409.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

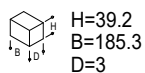


EF 7

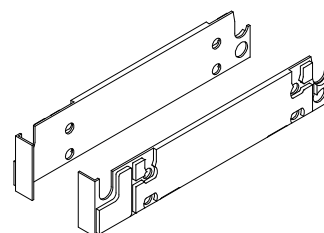


C62.5410.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

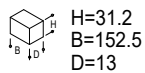


EF 7-SG

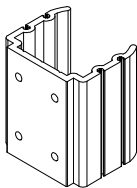


C62.5411.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



EF 7



173.7510.00

T-VERBINDER 68MM
JUNCTION-T 68MM
T-BRACKET 68MM
T-VERBINDER 68MM
TOPE DE UNION 68MM
LACZNIK TEOWY 68MM



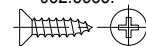
H=59.3 B=68 D=49.3

EF 7

107.0285.XX
107.0286.XX
107.0287.XX



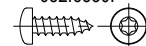
4 st./pc
052.5335.--



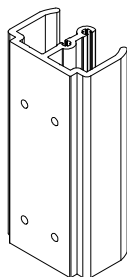
DIN 7982
4.8 x 45



4 st./pc
052.6330.--



ISO 14585 (DIN 7981)
4.8 x 13



173.7517.00

T-VERBINDER 130.5 MM
JUNCTION-T 130.5 MM
T-BRACKET 130.5 MM
T-VERBINDER 130.5 MM
TOPE DE UNION 130.5 MM
LACZNIK TEOWY 130.5 MM



H=130.5 mm; B=60.5 mm; D=40.2 mm

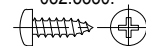
EF 7-SG

107.0580.XX
107.0585.XX

EF 7

4 st./pc

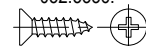
052.5330.--



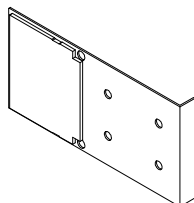
DIN 7981
4.8 x 13

2 st./pc

052.5336.--



DIN 7982
4.8 x 32



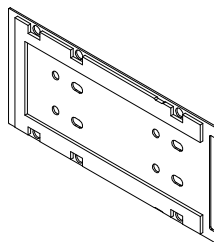
180.9404.04

EINSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=128.2
H=64.6
D=13

EF 7



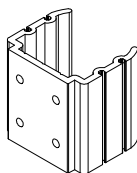
162.9412.04

EINSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



H=74.6
B=154.6
D=3

EF 7-SG

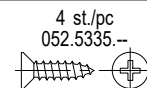


C73.1510.00

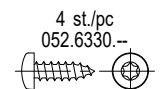
T-VERBINDER
JUNCTION-T
T-BRACKET
TOPE DE UNION
LACZNIK TEOWY



H=59.3 mm; B=58 mm; D=49.3 mm



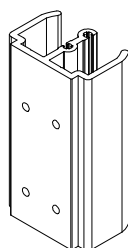
DIN 7982
4.8 x 45



ISO 14585 (DIN 7981)
4.8 x 13

EF 7

C07.1285.XX
C07.1286.XX
C07.1287.XX

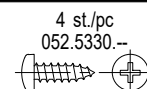


C73.1517.00

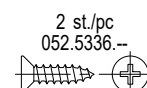
T-VERBINDER 110.5 MM
JUNCTION-T 110.5 MM
T-BRACKET 110.5 MM
TOPE DE UNION 110.5 MM
LACZNIK TEOWY 110.5 MM



H=110.5 mm; B=60.5 mm; D=40.2 mm



DIN 7981
4.8 x 13

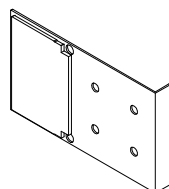


DIN 7982
4.8 x 32

EF 7-SG

C07.1580.XX
C07.1585.XX

EF 7



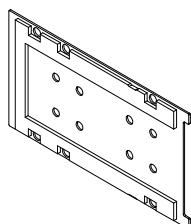
C80.1404.04

EINSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=108.2 mm
H=64.6 mm
D=13 mm

EF 7



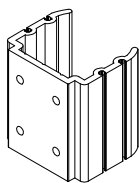
C62.1412.04

EINSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



H=74.6 mm
B=134.6 mm
D=3 mm

EF 7-SG

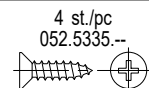


C73.2510.00

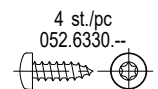
T-VERBINDER
JUNCTION-T
T-BRACKET
TOPE DE UNION
LACZNIK TEOUY



H=59.3 mm; B=63 mm; D=49.3 mm



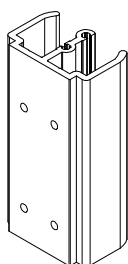
DIN 7982
4.8 x 45



4 st./pc
052.6330.--
ISO 14585 (DIN 7981)
4.8 x 13

EF 7

C07.2285.XX
C07.2286.XX
C07.2287.XX

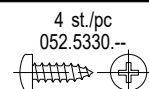


C73.2517.00

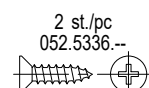
T-VERBINDER 120.5 MM
JUNCTION-T 120.5 MM
T-BRACKET 120.5 MM
TOPE DE UNION 120.5 MM
LACZNIK TEOUY 120.5 MM



H=120.5 mm; B=60.5 mm; D=40.2 mm



DIN 7981
4.8 x 13

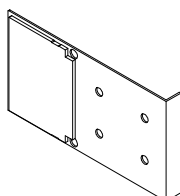


DIN 7982
4.8 x 32

EF 7-SG

C07.2580.XX
C07.2585.XX

EF 7



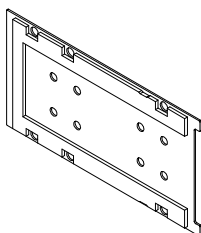
C80.2404.04

EINSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=118.2 mm
H=64.6 mm
D=13 mm

EF 7



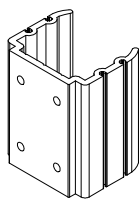
C62.2412.04

EINSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



H=74.6 mm
B=144.6 mm
D=3 mm

EF 7-SG

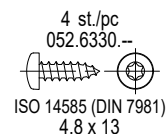
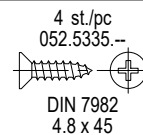


C73.3510.00

T-VERBINDER
JUNCTION-T
T-BRACKET
T-VERBINDER
TOPE DE UNION
LACZNIK TEOWY

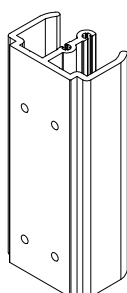


H=59.3 mm; B=73 mm; D=49.3 mm



EF 7
C07.3285.XX
C07.3287.XX

EF 7-SG
C07.3286.XX

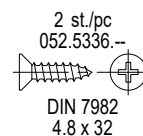
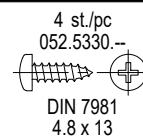


C73.3517.00

T-VERBINDER 140.5 MM
JUNCTION-T 140.5 MM
T-BRACKET 140.5 MM
T-VERBINDER 140.5 MM
TOPE DE UNION 140.5 MM
LACZNIK TEOWY 140.5 MM

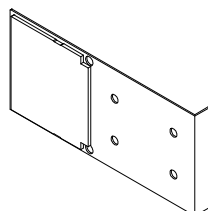


H=140.5 mm; B=60.5 mm; D=40.2 mm



EF 7-SG
C07.3580.XX
C07.3585.XX

EF 7



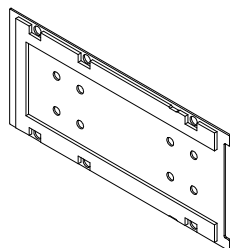
C80.3404.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=138.2 mm
H=64.6 mm
D=13 mm

EF 7



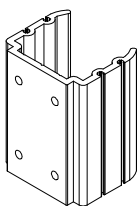
C62.3412.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



H=74.6 mm
B=164.6 mm
D=3 mm

EF 7-SG

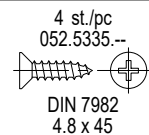


C73.4510.00

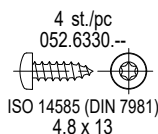
T-VERBINDER
JUNCTION-T
T-BRACKET
TOPE DE UNION
LACZNIK TEOWY



H=59.3 mm; B=78 mm; D=49.3 mm



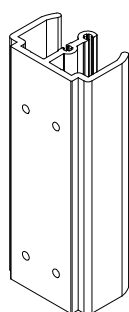
DIN 7982
4.8 x 45



4 st./pc
052.5335.--
ISO 14585 (DIN 7981)
4.8 x 13

EF 7

C07.4285.XX
C07.4286.XX
C07.4287.XX

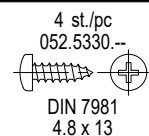


C73.4517.00

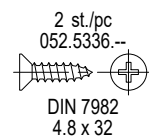
T-VERBINDER 150.5 MM
JUNCTION-T 150.5 MM
T-BRACKET 150.5 MM
TOPE DE UNION 150.5 MM
LACZNIK TEOWY 150.5 MM



H=150.5 mm; B=60.5 mm; D=40.2 mm



DIN 7981
4.8 x 13

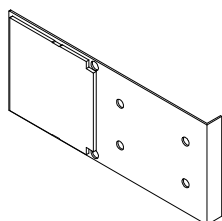


2 st./pc
052.5336.--
DIN 7982
4.8 x 32

EF 7-SG

C07.4580.XX
C07.4585.XX

EF 7



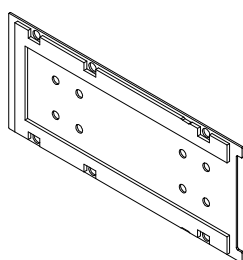
C80.4404.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=148.2 mm
H=64.6 mm
D=13 mm

EF 7



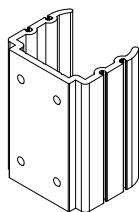
C62.4412.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



H=74.6 mm
B=174.6 mm
D=3 mm

EF 7-SG



C73.5510.00

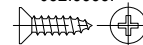
T-VERBINDER
JUNCTION-T
T-BRACKET
TOPE DE UNION
LACZNIK TEOWY

EF 7
C07.5285.XX
C07.5286.XX
C07.5287.XX



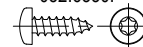
H=59.3 mm; B=83 mm; D=49.3 mm

4 st./pc
052.5335.--

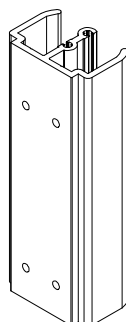


DIN 7982
4.8 x 45

4 st./pc
052.6330.--



ISO 14585 (DIN 7981)
4.8 x 13



C73.5517.00

T-VERBINDER 160.5 MM
JUNCTION-T 160.5 MM
T-BRACKET 160.5 MM
TOPE DE UNION 160.5 MM
LACZNIK TEOWY 160.5 MM

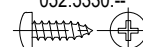
EF 7-SG
C07.5580.XX
C07.5585.XX

EF 7



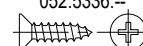
H=160.5 mm; B=60.5 mm; D=40.2 mm

4 st./pc
052.5330.--

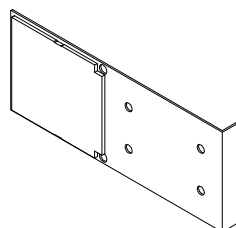


DIN 7981
4.8 x 13

2 st./pc
052.5336.--



DIN 7982
4.8 x 32



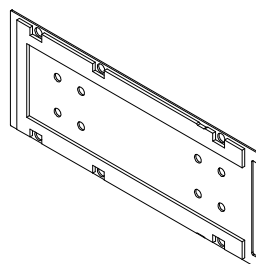
C80.5404.04

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

EF 7



B=158.2 mm
H=64.6 mm
D=13 mm



C62.5412.04

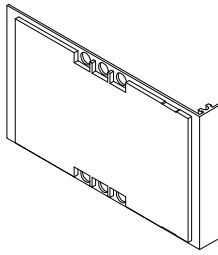
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

EF 7-SG



H=74.6 mm
B=184.6 mm
D=3 mm

C80.1405.04



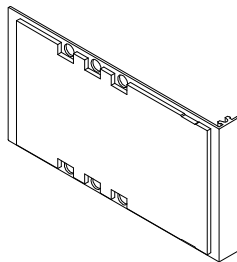
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=108.2 mm
H=64.6 mm
D=13 mm

EF 7

C80.2405.04



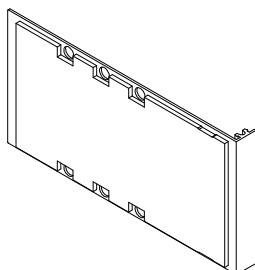
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=118.2 mm
H=64.6 mm
D=13 mm

EF 7

180.9405.04



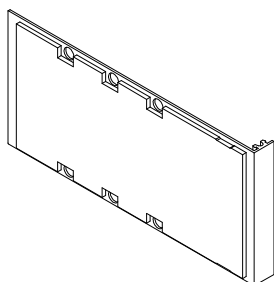
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=128.2 mm
H=64.6 mm
D=13 mm

EF 7

C80.3405.04



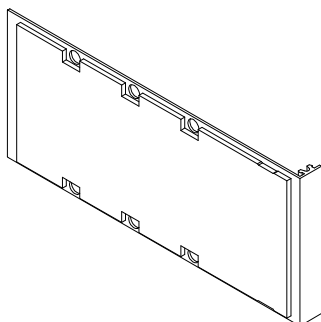
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=138.2 mm
H=64.6 mm
D=13 mm

EF 7

C80.4405.04



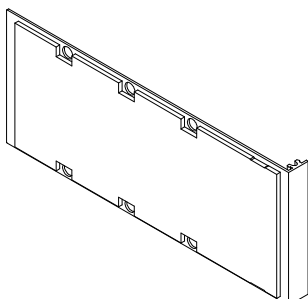
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=148.2 mm
H=64.6 mm
D=13 mm

EF 7

C80.5405.04

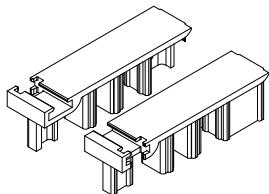


EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA



B=158.2 mm
H=64.6 mm
D=13 mm

EF 7

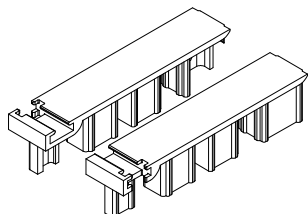


169.8400.04

SET EINDSTUKKEN
SET PIECES FINALES
SET END PIECES
SATZ ENDKAPPEN
JUEGO TERMINALES
ZESTAW KONCOWEK

EF 7

107.0210.XX
C07.1210.XX
C07.2210.XX
C07.3210.XX
C07.4210.XX
C07.5210.XX

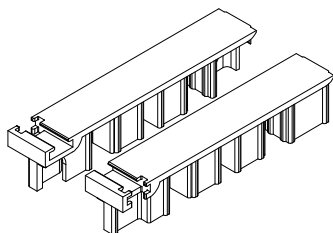


169.8403.04

SET EINDSTUKKEN
SET PIECES FINALES
SET END PIECES
SATZ ENDKAPPEN
JUEGO TERMINALES
ZESTAW KONCOWEK

EF 7

107.0211.XX
C07.1211.XX
C07.2211.XX
C07.3211.XX
C07.4211.XX
C07.5211.XX

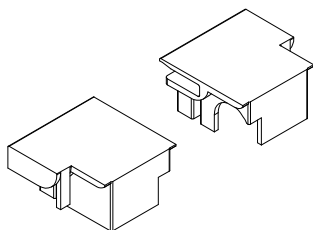


169.8406.04

SET EINDSTUKKEN
SET PIECES FINALES
SET END PIECES
SATZ ENDKAPPEN
JUEGO TERMINALES
ZESTAW KONCOWEK

EF 7

107.0212.XX
C07.1212.XX
C07.2212.XX
C07.3212.XX
C07.4212.XX
C07.5212.XX



169.8410.04

SET EINDSTUKKEN
SET PIECES FINALES
SET END PIECES
SATZ ENDKAPPEN
JUEGO TERMINALES
ZESTAW KONCOWEK

EF 7-SG

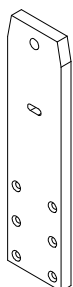
107.0510.XX
C07.1510.XX
C07.2510.XX
C07.3510.XX
C07.4510.XX
C07.5510.XX



156.6360.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

EF 7
EF 7-SG



156.6361.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
NAROZNIK LACZACY

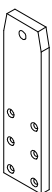
EF 7
EF 7-SG



C56.1360.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

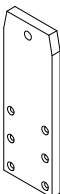
EF 7
EF 7-SG



C56.2360.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

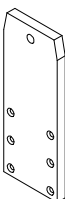
EF 7
EF 7-SG



C56.3360.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

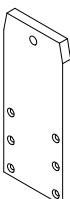
EF 7
EF 7-SG



C56.4360.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

EF 7
EF 7-SG



C56.5360.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

EF 7
EF 7-SG



C56.1361.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

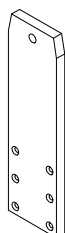
EF 7
EF 7-SG



C56.2361.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

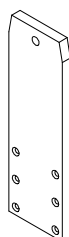
EF 7
EF 7-SG



C56.3361.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

EF 7
EF 7-SG



C56.4361.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

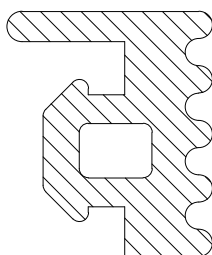
EF 7
EF 7-SG



C56.5361.00

KOPPELSTUK
PIECE DE RACCORDEMENT
CONNECTION PIECE
KUPPLUNGSSTUECK
PIEZA DE UNION
ELEMENT LACZACY

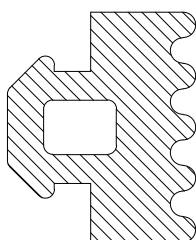
EF 7
EF 7-SG



180.9300.04

DICHTING SG 2.5MM
JOINT SG 2.5MM
GASKET SG 2.5MM
DICHTUNG SG 2.5MM
JUNTA SG 2.5MM
USZCZELKA SG 2.5MM

EF 7-SG
107.0102.17SG



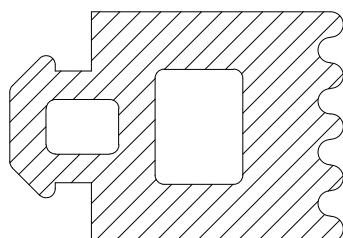
180.9301.04

DICHTING 3 MM
JOINT 3 MM
GASKET 3 MM
DICHTUNG 3 MM
JUNTA 3 MM
USZCZELKA 3 MM

EF 7-SG

107.0510.XX
107.0520.XX
107.0580.XX
107.0585.XX
C07.1510.XX
C07.1520.XX
C07.1580.XX
C07.1585.XX
C07.2510.XX
C07.2520.XX
C07.2580.XX
C07.2585.XX
C07.3510.XX
C07.3520.XX
C07.3580.XX
C07.3585.XX
C07.4510.XX

C07.4520.XX
C07.4580.XX
C07.4585.XX
C07.5510.XX
C07.5520.XX
C07.5580.XX
C07.5585.XX



180.9302.04

DICHTING SG 8MM
JOINT SG 8MM
GASKET SG 8MM
DICHTUNG SG 8MM
JUNTA SG 8MM
USZCZELKA SG 8MM

EF 7-GB

107.0521.XX

EF 7-SG

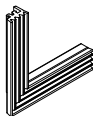
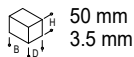
107.0501.XX
107.0510.XX
107.0520.XX
107.0521.XX
107.0580.XX
107.0585.XX
C07.1501.XX
C07.1510.XX
C07.1520.XX
C07.1521.XX
C07.1580.XX
C07.1585.XX
C07.2501.XX
C07.2510.XX

C07.2520.XX
C07.2521.XX
C07.2580.XX
C07.2585.XX
C07.3501.XX
C07.3510.XX
C07.3520.XX
C07.3521.XX
C07.3580.XX
C07.3585.XX
C07.4501.XX
C07.4510.XX
C07.4520.XX
C07.4521.XX
C07.4580.XX
C07.4585.XX
C07.5501.XX
C07.5510.XX

C07.5520.XX
C07.5521.XX
C07.5580.XX
C07.5585.XX

180.9863.04

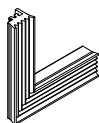
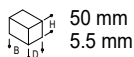
VORMSTUK
PIECE MOULEE
MOULDING PIECE
FORMSTUECK
PIEZA MATRIZADA
KSZATAŁTOWY ELEMENT POLACZENIOWY



EF 7

180.9865.04

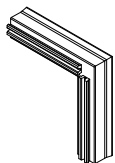
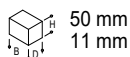
VORMSTUK
PIECE MOULEE
MOULDING PIECE
FORMSTUECK
PIEZA MATRIZADA
KSZATAŁTOWY ELEMENT POLACZENIOWY



EF 7

180.9873.04

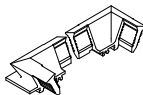
VORMSTUK 11/11 mm
PIECE MOULEE 11/11 mm
MOULDING PIECE 11/11 mm
FORMSTUECK 11/11 mm
PIEZA MATRIZADA 11/11 mm
KSZATAŁTOWY ELEMENT POLACZENIOWY 11/11 mm



EF 7

180.9880.04

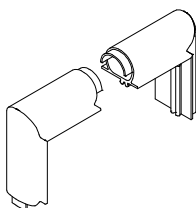
DICHTING
JOINT
GASKET
DICHTUNG
JUNTA
USZCZELKA



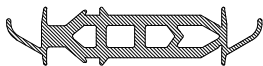
EF 7-SG

180.9920.04

DICHTING EPDM
JOINT EPDM
GASKET
DICHTUNG
JUNTA
USZCZELKA MAGNETYCZNA



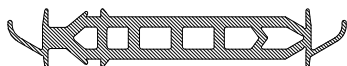
EF 7
EF 7-SG



180.9264.04

KOPPELINGSRUBBER
JOINT DE JONCTION
LINKING GASKET
KUPPLUNGSDICHTUNG
JUNTA DE UNION
USZCZELKA DO DYLATACJI

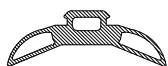
EF 7	C07.5212.XX
107.0210.XX	
107.0211.XX	
107.0212.XX	
C07.1210.XX	EF 7-SG
C07.1211.XX	107.0510.XX
C07.1212.XX	C07.1510.XX
C07.2210.XX	C07.2510.XX
C07.2211.XX	C07.3510.XX
C07.2212.XX	C07.4510.XX
C07.3210.XX	C07.5510.XX
C07.3211.XX	
C07.3212.XX	
C07.4210.XX	
C07.4211.XX	
C07.4212.XX	
C07.5210.XX	
C07.5211.XX	



180.9269.04

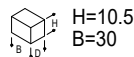
KOPPELINGSRUBBER
JOINT DE JONCTION
LINKING GASKET
KUPPLUNGSDICHTUNG
JUNTA DE UNION
USZCZELKA DO DYLATACJI

EF 7	C07.2402.XX	C07.5402.XX
107.0210.XX	C07.3210.XX	
107.0211.XX	C07.3211.XX	
107.0212.XX	C07.3212.XX	EF 7-SG
107.0400.XX	C07.3400.XX	107.0510.XX
107.0401.XX	C07.3401.XX	107.0520.XX
107.0402.XX	C07.3402.XX	C07.1510.XX
C07.1210.XX	C07.4210.XX	C07.1520.XX
C07.1211.XX	C07.4211.XX	C07.2510.XX
C07.1212.XX	C07.4212.XX	C07.2520.XX
C07.1400.XX	C07.4400.XX	C07.3510.XX
C07.1401.XX	C07.4401.XX	C07.3520.XX
C07.1402.XX	C07.4402.XX	C07.4510.XX
C07.2210.XX	C07.5210.XX	C07.4520.XX
C07.2211.XX	C07.5211.XX	C07.5510.XX
C07.2212.XX	C07.5212.XX	C07.5520.XX
C07.2400.XX	C07.5400.XX	
C07.2401.XX	C07.5401.XX	

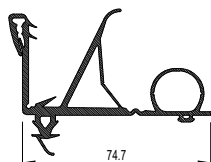


180.9330.04

DICHTING
JOINT
GASKET
DICHTUNG
JUNTA
USZCZELKA

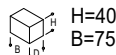


EF 7-SG
134.0600.04
134.0601.04

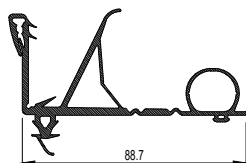


180.9923.04

KOPPELINGSRUBBER
JOINT DE JONCTION
LINKING GASKET
KUPPLUNGSDICHTUNG
JUNTA DE UNION
USZCZELKA DO DYLATACJI

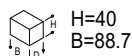


EF 7	C07.5210.XX	C07.3520.XX
107.0210.XX	C07.5400.XX	C07.4510.XX
107.0400.XX		C07.4520.XX
C07.1210.XX	EF 7-SG	C07.5510.XX
C07.1400.XX	107.0510.XX	C07.5520.XX
C07.2210.XX	107.0520.XX	
C07.2400.XX	C07.1510.XX	
C07.3210.XX	C07.1520.XX	
C07.3400.XX	C07.2510.XX	
C07.4210.XX	C07.2520.XX	
C07.4400.XX	C07.3510.XX	

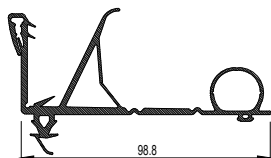


180.9924.04

KOPPELINGSRUBBER
JOINT DE JONCTION
LINKING GASKET
KUPPLUNGSDICHTUNG
JUNTA DE UNION
USZCZELKA DO DYLATACJI

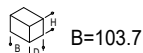


EF 7	C07.5211.XX	C07.3520.XX
107.0211.XX	C07.5401.XX	C07.4510.XX
107.0401.XX		C07.4520.XX
C07.1211.XX	EF 7-SG	C07.5510.XX
C07.1401.XX	107.0510.XX	C07.5520.XX
C07.2211.XX	107.0520.XX	
C07.2401.XX	C07.1510.XX	
C07.3211.XX	C07.1520.XX	
C07.3401.XX	C07.2510.XX	
C07.4211.XX	C07.2520.XX	
C07.4401.XX	C07.3510.XX	

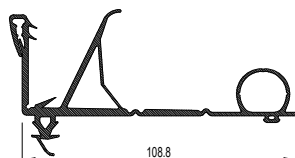


180.9925.04

KOPPELINGSRUBBER
JOINT DE JONCTION
LINKING GASKET
KUPPLUNGSDICHTUNG
JUNTA DE UNION
USZCZELKA DO DYLATACJI

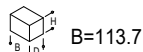


EF 7	C07.5212.XX	C07.3520.XX
107.0212.XX	C07.5402.XX	C07.4510.XX
107.0402.XX		C07.4520.XX
C07.1212.XX	EF 7-SG	C07.5510.XX
C07.1402.XX	107.0510.XX	C07.5520.XX
C07.2212.XX	107.0520.XX	
C07.2402.XX	C07.1510.XX	
C07.3212.XX	C07.1520.XX	
C07.3402.XX	C07.2510.XX	
C07.4212.XX	C07.2520.XX	
C07.4402.XX	C07.3510.XX	

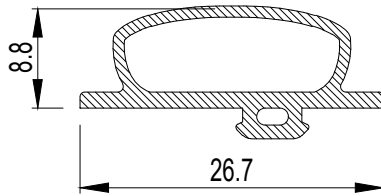


180.9926.04

KOPPELINGSRUBBER
JOINT DE JONCTION
LINKING GASKET
KUPPLUNGSDICHTUNG
JUNTA DE UNION
USZCZELKA DO DYLATACJI

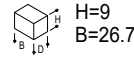


EF 7-SG	C07.5510.XX
107.0510.XX	C07.5520.XX
107.0520.XX	
C07.1510.XX	EF 7
C07.1520.XX	
C07.2510.XX	
C07.2520.XX	
C07.3510.XX	
C07.3520.XX	
C07.4510.XX	
C07.4520.XX	



180.9921.04

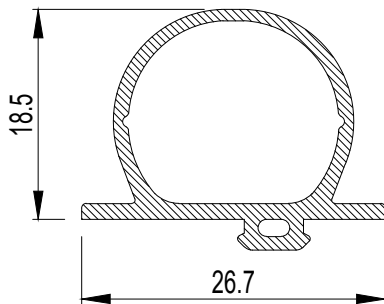
DICHTINGSSTUK
JOINT D'ASSEMBLAG
GASKET
DICHTUNGSSTUECK
JUNTA DE UNION
USZCZELKA



EF 7

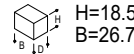
107.0210.XX
107.0211.XX
107.0212.XX
C07.1210.XX
C07.1211.XX
C07.1212.XX
C07.2210.XX
C07.2211.XX
C07.2212.XX
C07.3210.XX
C07.3211.XX
C07.3212.XX
C07.4210.XX
C07.4211.XX
C07.4212.XX
C07.5210.XX
C07.5211.XX
C07.5212.XX

EF 7-SG



180.9922.04

DICHTINGSSTUK
JOINT D'ASSEMBLAG
GASKET
DICHTUNGSSTUECK
JUNTA DE UNION
USZCZELKA

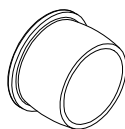
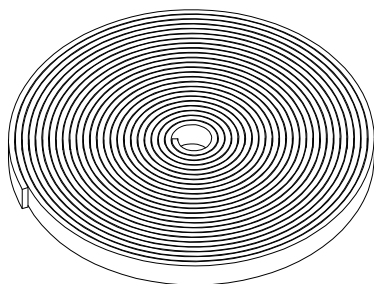
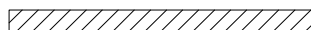
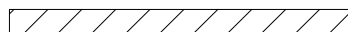


EF 7

107.0220.XX
107.0221.XX
107.0222.XX
107.0420.XX
107.0421.XX
107.0422.XX
C07.1220.XX
C07.1221.XX
C07.1222.XX
C07.1420.XX
C07.1421.XX
C07.1422.XX
C07.2220.XX
C07.2221.XX
C07.2222.XX
C07.2420.XX
C07.2421.XX
C07.2422.XX
C07.3220.XX
C07.3221.XX
C07.3222.XX
C07.3420.XX
C07.3421.XX
C07.3422.XX
C07.4220.XX
C07.4221.XX
C07.4222.XX
C07.4420.XX
C07.4421.XX
C07.4422.XX
C07.5220.XX

C07.5221.XX
C07.5222.XX
C07.5420.XX
C07.5421.XX
C07.5422.XX

EF 7-SG

**065.6556.04**STOP Ø13MM
BOUCHE-TROU Ø13MM
PLUG Ø13MM
VERSCHLUSSKAPPE Ø13MM
TAPON Ø13MM
ZASLEPKA Ø13MMB= 8
D= 13/17.5**EF 7**
EF 7-SG**162.5000.04**DICHTINGSSTRIP
BANDE D'ETANCHEITE
SEALING STRIP
ABDICHTUNGSSTREIFEN
BANDA DE ESTANQUEIDAD
USZCZELKAH = 18 mm
B = 4 mm**EF 7**
EF 7-SG**080.9629.07**ISOLATIE DICHTING
JOINT D'ISOLATION
INSULATION GASKET
ISOLATION DICHTUNG
JUNTA DE AISLAMIENTO
USZCZELKA IZOLACYJNAH= 3mm
B= 40mm**CP 155-LS**
006.0323.XX
006.0325.XX**CS 86-HI**
CW 65-EF
CW 65-EF/HI
EF 7**180.9629.07**ISOLATIE DICHTING
JOINT D'ISOLATION
INSULATION GASKET
ISOLATION DICHTUNG
JUNTA DE AISLAMIENTO
USZCZELKA IZOLACYJNAH= 3mm
B= 45mm**EF 7**
EF 7-SG

080.9123.SY

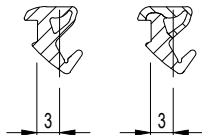
BINNENBEGLAZINGSDICHTING 3MM
JOINT DE VITRAGE INTERIEUR 3MM
INNER GLAZING GASKET 3MM
INNENVERGLASUNGSDICHTUNG 3MM
JUNTA DE ACRISTALADO INTERIOR 3MM
USZCZELKA PRZYSZYBOWA WEWN. 3MM



H=8.9 B=7.7 (COLOR= WHITE)
04/47=SILICONISED
N4/N7=NON SILICONISED

.04 .47

.N4 .N7



BOREALE	CS 24-SL	CS 77-FP
CF 68	CS 38-SL	CS 77-HV
CI 45	CS 38-SL/AP	CS 77-SP
CP 130	CS 59	CSW 86-HI
CP 130-LS	CS 59-AP	CW 50
CP 130Pa	CS 59-HV	CW 60
CP 130Pa-LS	CS 59PA	CW 86-BR
CP 155	CS 59Pa-AP	ES 50
CP 155-AP	CS 59-RE	ES 50-AP
CP 155-LS	CS 59-SO	ES 75
CP 155-LS/AP	CS 68	MASTERLINE 8-Fu
CP 45PA	CS 68-AP	MasterPatio
CP 45Pa (GR)	CS 68-HV	MOSQUITO
CP 96	CS 68-RE	TR 200
CP 96-AP	CS 68-SO	VISION 50
CP 96-LS	CS 77	
CP 96-LS/AP	CS 77-AP	
CS 104-HI+	CS 77-BP	

080.9124.SY

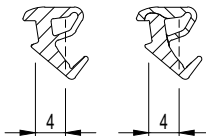
BINNENBEGLAZINGSDICHTING 4MM
JOINT DE VITRAGE INTERIEUR 4MM
INNER GLAZING GASKET 4MM
INNENVERGLASUNGSDICHTUNG 4MM
JUNTA DE ACRISTALADO INTERIOR 4MM
USZCZELKA PRZYSZYBOWA WEWN. 4MM



H=8.7 B=9.6 (COLOR= RED)
04/47=SILICONISED
N4/N7=NON SILICONISED

.04 .47

.N4 .N7



BOREALE	CP 96-LS	CS 77	VISION 50
CF 68	CP 96-LS/AP	CS 77-AP	XS 68
CF 77	CS 104-HI+	CS 77-BP	
CF 77-AP	CS 24-SL	CS 77-FP	
CI 45	CS 38-SL	CS 77-HV	
CP 130	CS 38-SL/AP	CS 77-SP	
CP 130-LS	CS 59	CSW 86-HI	
CP 130Pa	CS 59-AP	CW 50	
CP 130Pa-LS	CS 59-HV	CW 60	
CP 155	CS 59PA	CW 86-BR	
CP 155-AP	CS 59Pa-AP	ES 45PA	
CP 155-LS	CS 59-RE	ES 50	
CP 155-LS/AP	CS 59-SO	ES 50-AP	
CP 45PA	CS 68	ES 75	
CP 45Pa (GR)	CS 68-AP	MASTERLINE 8-Fu	
CP 68Pa	CS 68-HV	MasterPatio	
CP 96	CS 68-RE	RB GLASS	
CP 96-AP	CS 68-SO	TR 200	

080.9125.SY

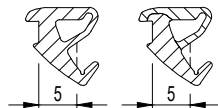
BINNENBEGLAZINGSDICHTING 5MM
JOINT DE VITRAGE INTERIEUR 5MM
INNER GLAZING GASKET 5MM
INNENVERGLASUNGSDICHTUNG 5MM
JUNTA DE ACRISTALADO INTERIOR 5MM
USZCZELKA PRZYSZYBOWA WEWN. 5MM



H=10.3 B=9.7 (COLOR= BLUE)
04/47=SILICONISED
N4/N7=NON SILICONISED

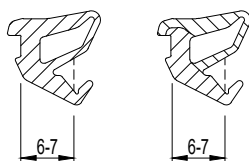
.04 .47

.N4 .N7



CF 68	CP 96-LS/AP	CS 77-AP
CF 77	CS 104-HI+	CS 77-BP
CF 77-AP	CS 24-SL	CS 77-FP
CI 45	CS 38-SL	CS 77-HV
CP 130	CS 38-SL/AP	CS 77-SP
CP 130-LS	CS 59	CSW 86-HI
CP 130Pa	CS 59-AP	CW 50
CP 130Pa-LS	CS 59-HV	CW 60
CP 155	CS 59PA	CW 86-BR
CP 155-AP	CS 59Pa-AP	ES 45PA
CP 155-LS	CS 59-RE	ES 50
CP 155-LS/AP	CS 59-SO	ES 50-AP
CP 45PA	CS 68	ES 75
CP 45Pa (GR)	CS 68-AP	MASTERLINE 8-Fu
CP 68Pa	CS 68-HV	MasterPatio
CP 96	CS 68-RE	RB GLASS
CP 96-AP	CS 68-SO	TR 200
CP 96-LS	CS 77	VISION 50

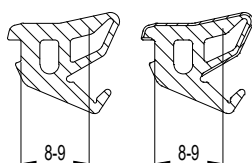
.04 .47
.N4 .N7

**080.9126.SY**

BINNENBEGLAZINGSDICHTING 6-7MM  H=11.5 B=11.4 (COLOR= GREEN)
JOINT DE VITRAGE INTERIEUR 6-7MM
INNER GLAZING GASKET 6-7MM 04/47=SILICONISED
INNENVERGLASUNGSDICHTUNG 6-7MM N4/N7=NON SILICONISED
JUNTA DE ACRISTALADO INTERIOR 6-7MM
USZCZELKA PRZYSZYBOWA WEWN. 6-7MM

CF 68	CS 104-HI+	CS 77-FP
CF 77	CS 24-SL	CS 77-HV
CF 77-AP	CS 38-SL	CS 77-SP
CI 45	CS 38-SL/AP	CS 86-HI
CP 130	CS 59	CSW 86-HI
CP 130-LS	CS 59-AP	CW 50
CP 130Pa	CS 59-HV	CW 60
CP 130Pa-LS	CS 59PA	CW 86-BR
CP 155	CS 59Pa-AP	ES 45PA
CP 155-AP	CS 59-RE	ES 50
CP 155-LS	CS 59-SO	ES 50-AP
CP 155-LS/AP	CS 68	ES 75
CP 45Pa (GR)	CS 68-AP	MASTERLINE 8-Fu
CP 68Pa	CS 68-HV	MasterPatio
CP 96	CS 68-RE	RB GLASS
CP 96-AP	CS 68-SO	TR 200
CP 96-LS	CS 77-AP	VISION 50
CP 96-LS/AP	CS 77-BP	

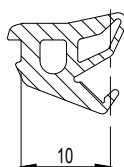
.04 .47
.N4

**080.9128.SY**

BINNENBEGLAZINGSDICHTING 8-9MM  H=13.4 B=14.8 (COLOR= YELLOW)
JOINT DE VITRAGE INTERIEUR 8-9MM .04=SILICONISED
INNER GLAZING GASKET 8-9MM .N4=NON SILICONISED
INNENVERGLASUNGSDICHTUNG 8-9MM
JUNTA DE ACRISTALADO INTERIOR 8-9MM
USZCZELKA PRZYSZYBOWA WEWN. 8-9MM

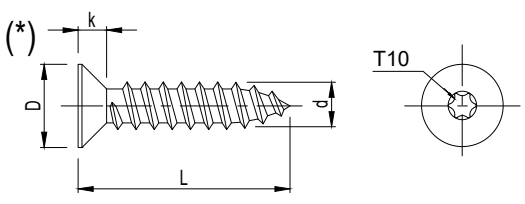
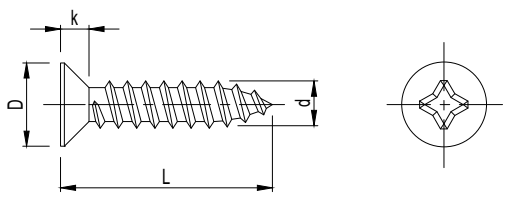
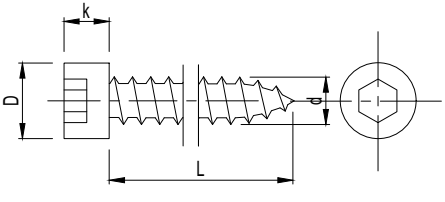
CF 68	CS 24-SL	CS 77-HV
CF 77	CS 38-SL	CS 77-SP
CF 77-AP	CS 38-SL/AP	CW 50
CI 45	CS 59	CW 60
CP 130	CS 59-AP	CW 86-BR
CP 130-LS	CS 59-HV	ES 45PA
CP 130Pa	CS 59PA	ES 50
CP 130Pa-LS	CS 59Pa-AP	ES 50-AP
CP 155	CS 59-RE	ES 75
CP 155-AP	CS 59-SO	MASTERLINE 8-Fu
CP 155-LS	CS 68	MasterPatio
CP 155-LS/AP	CS 68-AP	TR 200
CP 68Pa	CS 68-HV	VISION 50
CP 96	CS 68-RE	
CP 96-AP	CS 68-SO	
CP 96-LS	CS 77	
CP 96-LS/AP	CS 77-AP	
CS 104-HI+	CS 77-BP	

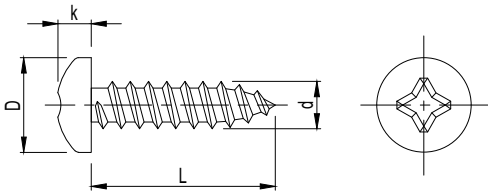
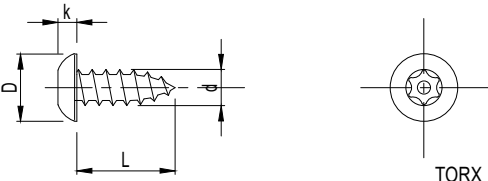
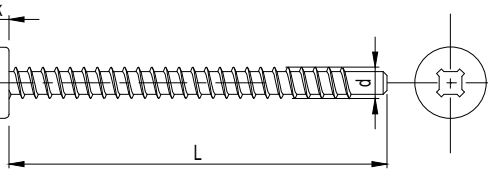
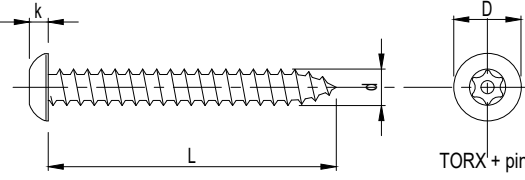
.04
.N4

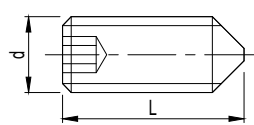
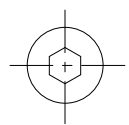
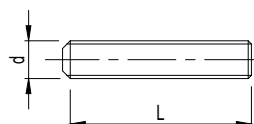
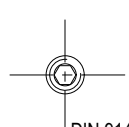
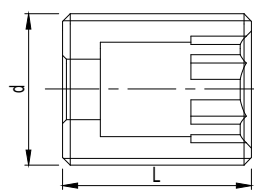
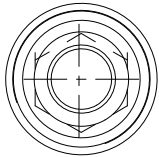
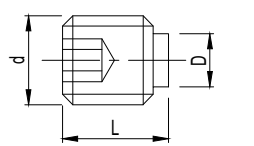
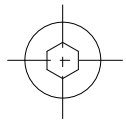
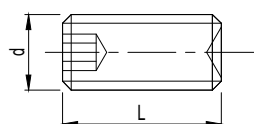
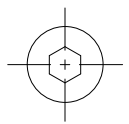
**080.9130.SY**

BINNENBEGLAZINGSDICHTING 10MM  H=13.4 B=15.8 (COLOR= VIOLET)
JOINT DE VITRAGE INTERIEUR 10MM .04=SILICONISED
INNER GLAZING GASKET 10MM .N4=NON SILICONISED
INNENVERGLASUNGSDICHTUNG 10MM
JUNTA DE ACRISTALADO INTERIOR 10MM
USZCZELKA PRZYSZYBOWA WEWN. 10MM

CF 68	CS 24-SL	CS 77-HV
CF 77	CS 38-SL	CS 77-SP
CF 77-AP	CS 38-SL/AP	CW 50
CI 45	CS 59	CW 60
CP 130	CS 59-AP	ES 50
CP 130-LS	CS 59-HV	ES 50-AP
CP 130Pa	CS 59PA	ES 75
CP 130Pa-LS	CS 59Pa-AP	MASTERLINE 8-Fu
CP 155	CS 59-RE	MasterPatio
CP 155-AP	CS 59-SO	TR 200
CP 155-LS	CS 68	VISION 50
CP 155-LS/AP	CS 68-AP	
CP 45PA	CS 68-HV	
CP 96	CS 68-RE	
CP 96-AP	CS 68-SO	
CP 96-LS	CS 77	
CP 96-LS/AP	CS 77-AP	
CS 104-HI+	CS 77-BP	

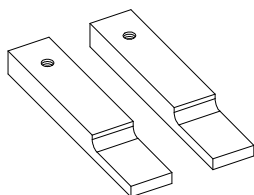
		d	afm. dimen. L	dimen. Masse k	D
  DIN 7982 ISO 7050	050.5108.--(*)	3	6	2.3	5
	052.5308.--(*)	3.5	13	2.1	6.8
	052.5355.--	3.5	19	2.1	6.8
	152.5310.--	3.5	32	3.3	7.3
	052.5309.--	3.9	19	2.3	7.5
	052.5201.--	3.9	25	2.3	7.5
	052.5345.--	4.2	9.5	2.5	8.1
	052.5312.--	4.2	13	2.5	8.1
	052.5311.--	4.2	16	2.5	8.1
	052.5316.--	4.2	19	2.5	8.1
	052.5327.--	4.2	25	2.5	8.1
	052.5313.--	4.2	32	2.5	8.1
	052.5318.--	4.2	38	2.5	8.1
	052.5329.--	4.2	50	2.5	8.1
	052.5328.--	4.2	60	2.5	8.1
	052.5322.--	4.2	70	2.5	8.1
	052.5332.--	4.8	13	3	9.5
	052.5331.--	4.8	19	3	9.5
	052.5333.--	4.8	25	3	9.5
	052.5336.--	4.8	32	3	9.5
	052.5337.--	4.8	38	3	9.5
	052.5335.--	4.8	45	3	9.5
	052.5338.--	4.8	50	3	9.5
	052.5334.--	4.8	70	3	9.5
	052.5339.--	5.5	13	3	9.5
	052.5346.--	5.5	19	3.4	10.8
	052.5380.--	6.3	13	3.8	12.4
	152.5340.--	6.3	25	3.8	12.4
	052.5381.--	6.3	38	3.8	12.4
 DIN 912 ISO 4762	052.5372.--	6.3	13	6	10
	052.5371.--	6.3	38	6	10
	052.5373.--	6.3	70	6	10

		d	afm. dimen. L	dimen. Masse k	D
	052.5320.--	3.5	9.5	2.6	6.9
	052.5200.--	3.9	19	2.8	7.5
	052.5360.--	4.2	9.5	3.05	8.2
	052.5317.--	4.2	13	3.05	8.2
	052.5310.--	4.2	16	3.05	8.2
	052.5347.--	4.2	19	3.05	6.2
	052.5315.--	4.2	25	3.05	8.2
	052.5321.--	4.2	32	3.05	8.2
	052.5314.--	4.2	50	3.05	8.2
	052.5330.--	4.8	13	3.55	9.5
	052.5300.--	4.8	19	3.55	9.5
	052.5301.--	4.8	38	3.55	9.5
	052.5302.--	4.8	50	3.55	9.5
	052.5323.--	4.8	60	3.55	9.5
	052.5306.--	4.8	70	3.55	9.5
	052.5305.--	4.8	80	3.55	9.5
	052.5304.--	4.8	90	3.55	9.5
	052.5344.--	5.5	13	3.95	10.8
	052.5343.--	5.5	25	3.95	10.8
	052.5342.--	5.5	32	3.95	10.8
	052.5341.--	5.5	38	3.95	10.8
	052.5340.--	5.5	45	3.95	10.8
 DIN 7981 ISO 7049	052.5350.--	6.3	25	4.55	12.5
	052.5351.--	6.3	38	4.55	12.5
	052.5307.--	3.5	19	4.5	6.9
	052.6330.--	4.8	13	3.1	9.5
	152.5299.--	4.8	16	3.55	9.5
 TORX DIN 7981 ISO 3506	152.5301.--	4.8	38	3.55	9.5
	152.5381.--	6.3	38	4.55	12.5
	052.5325.--	4.2	50	3	9.4
	052.5400.--	4.8	38	2.5	8.9
 TORX + pin ISO 3506-1	BEVEILIGINGSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERHEITSSCHRAUBE				

		d	afm. dimen. L	dimen. Masse k	D
		051.5265.--	M4	4	
		051.5273.--	M4	5	
		051.5279.--	M4	10	
		151.5279.--	M4	12	
		051.5272.--	M5	6	
		051.5252.--	M5	12	
		051.5274.--	M6	6	
		051.5278.--	M6	16	
		051.5270.--	M8	8	
		051.5271.--	M6	10	
		051.5269.--	M8	12	
DIN 914 ISO 4027		*used in assembly, sales = no			
		051.5241.--	M5	25	
		051.5242.--	M5	35	
		051.5243.--	M5	50	
DIN 914 ISO 4027					
		051.5309.17*	M20	25	
ISO 2768-m					
		051.5254.--	M5	6	3.5
		051.5255.--	M5	12	3.5
		051.5253.--	M5	35	3.8
DIN 915 ISO 4028					
		051.5284.--	M4	5	
		051.5266.--	M4	6	
		051.5282.--	M4	8	
		051.5281.--	M4	10	
		051.5240.--	M5	6	
		051.5285.--	M5	8	
		051.5250.--	M5	10	
		051.5280.--	M5	12	
		051.5290.--	M8	10	
DIN 916 ISO 4029					

095.B562.00

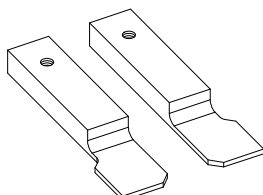
MESSEN D=7MM L=ST
COUTEAUX D=7MM L=ST
KNIVES D=7MM L=ST
MESSER D=7MM L=ST
CUCHILLAS D=7MM L=ST
NOZE D=7MM L=ST



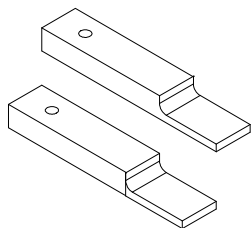
EF 7		CP 45PA	CS 77-SO	MASTERLINE 8-HV
107.0210.XX	C07.5211.XX	CP 45Pa (GR)	CS 77-SP	MASTERLINE 8-Re
107.0211.XX	C07.5212.XX	CP 50	CS 86-HI	MASTERLINE 8-Sw
107.0212.XX	C07.5220.XX	CP 68	CSW 86-HI	MasterPatio
107.0220.XX	C07.5221.XX	CP 96	CW 50	MOSQUITO
107.0221.XX	C07.5222.XX	CP 96-AP	CW 50-HI	PS 50-SP
107.0222.XX		CP 96-LS	CW 50-HL	SL 38
C07.1210.XX	EF 7-SG	CP 96-LS/AP	CW 50-SC	TR 200
C07.1211.XX	107.0501.XX	CR 120	CW 50-SG	
C07.1212.XX	107.0510.XX	CS 104-HI+	CW 50-VL	
C07.1220.XX	C07.1501.XX	CS 24-SL	CW 60	
C07.1221.XX	C07.1510.XX	CS 24-SL/AP	CW 60-DRL	
C07.1222.XX	C07.2501.XX	CS 38-SL	CW 60-HI	
C07.2210.XX	C07.2510.XX	CS 38-SL/AP	CW 60-HL	
C07.2211.XX	C07.3501.XX	CS 59	CW 60-SC	
C07.2212.XX	C07.3510.XX	CS 59-HV	CW 60-SG	
C07.2220.XX	C07.4501.XX	CS 59PA	CW 65-EF	
C07.2221.XX	C07.4510.XX	CS 59Pa-AD	CW 65-EF/HI	
C07.2222.XX	C07.5501.XX	CS 59Pa-SD	CW 65-EF/SG	
C07.3210.XX	C07.5510.XX	CS 59-RE	CW 86	
C07.3211.XX	CD 50	CS 59-SD	CW 86-BR	
C07.3212.XX	CD 68	CS 59-SO	CW 86-EF	
C07.3220.XX	CF 77	CS 68	CW 86-EF/HI	
C07.3221.XX	CF 77-AP	CS 68-FP	CW 86-SG	
C07.3222.XX	CP 130	CS 68-HV	ES 45PA	
C07.4210.XX	CP 130-LS	CS 68-RE	ES 50	
C07.4211.XX	CP 130Pa	CS 68-SO	ES 50-AP	
C07.4212.XX	CP 130Pa-LS	CS 77	ES 75	
C07.4220.XX	CP 155	CS 77-BP	GNRLS	
C07.4221.XX	CP 155-AP	CS 77-FP	MASTERLINE 10-Fu	
C07.4222.XX	CP 155-LS	CS 77-HV	MASTERLINE 8-De	
C07.5210.XX	CP 155-LS/AP	CS 77-RE	MASTERLINE 8-Fu	

095.B563.00

MESSEN D=3MM L=ST+4MM
COUTEAUX D=3MM L=ST+4MM
KNIVES D=3MM L=ST+4MM
MESSER D=3MM L=ST+4MM
CUCHILLAS D=3MM L=ST+4MM
NOZE D=3MM L=ST+4MM



EF 7		CS 77-FP
107.0210.XX	C07.5211.XX	CS 77-HV
107.0211.XX	C07.5212.XX	CS 77-RE
107.0212.XX	C07.5220.XX	CS 77-SO
107.0220.XX	C07.5221.XX	CS 77-SP
107.0221.XX	C07.5222.XX	CS 86-HI
107.0222.XX		CSW 86-HI
C07.1210.XX	CD 50	CW 50
C07.1211.XX	CD 68	CW 50-HI
C07.1212.XX	CF 77	CW 60
C07.1220.XX	CF 77-AP	CW 60-DRL
C07.1221.XX	CP 130	CW 86
C07.1222.XX	CP 130-LS	CW 86-EF
C07.2210.XX	CP 155	ES 50
C07.2211.XX	CP 155-LS	ES 50-AP
C07.2212.XX	CP 50	MASTERLINE 8-Fu
C07.2220.XX	CP 68	SL 38
C07.2221.XX	CR 120	TR 200
C07.2222.XX	CS 104-HI+	
C07.3210.XX	CS 38-SL	
C07.3211.XX	CS 38-SL/AP	
C07.3212.XX	CS 59	
C07.3220.XX	CS 59-HV	
C07.3221.XX	CS 59-RE	
C07.3222.XX	CS 59-SD	
C07.4210.XX	CS 59-SO	
C07.4211.XX	CS 68	
C07.4212.XX	CS 68-FP	
C07.4220.XX	CS 68-HV	
C07.4221.XX	CS 68-RE	
C07.4222.XX	CS 68-SO	
C07.5210.XX	CS 77	
	CS 77-BP	

**095.B575.00**

MESSEN 5MM L=ST.L+0.5MM
COUTEAUX 5MM L=ST.L+0.5MM
KNIVES 5MM L=ST.L+0.5MM
MESSER 5MM L=ST.L+0.5MM
CUCHILLAS 5MM L=ST.L+0.5MM
NOZE 5MM L=ST.L+0.5MM

EF 7

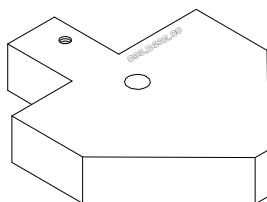
107.0210.XX
107.0211.XX
107.0212.XX
107.0220.XX
107.0221.XX
107.0222.XX
C07.1210.XX
C07.1211.XX
C07.1212.XX
C07.1220.XX
C07.1221.XX
C07.1222.XX
C07.2210.XX
C07.2211.XX
C07.2212.XX
C07.2220.XX
C07.2221.XX
C07.2222.XX
C07.3210.XX
C07.3211.XX
C07.3212.XX
C07.3220.XX
C07.3221.XX
C07.3222.XX
C07.4210.XX
C07.4211.XX
C07.4212.XX
C07.4220.XX
C07.4221.XX
C07.4222.XX
C07.5210.XX
C07.5211.XX
C07.5212.XX
C07.5220.XX
C07.5221.XX
C07.5222.XX

EF 7-SG

107.0501.XX
107.0510.XX
C07.1501.XX
C07.1510.XX
C07.2501.XX
C07.2510.XX
C07.3501.XX
C07.3510.XX
C07.4501.XX
C07.4510.XX
C07.5501.XX
C07.5510.XX

CS 24-SL
CS 24-SL/AP
CW 50-HI
CW 86
CW 86-EF

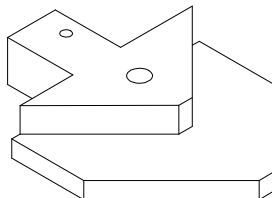
095.B532.00



PERSBLOK D=30MM L=ST
ENCLUME D=30MM L=ST
PRESS BLOCK D=30MM L=ST
PRESSBLOCK D=30MM L=ST
PRENSA D=30MM L=ST
BLOK DOCISKOWY D=30MM L=ST

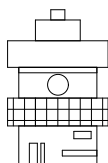
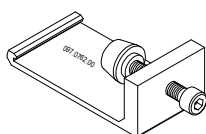
EF 7	C07.5211.XX	CR 120	CW 65-EF/Hi
107.0210.XX	C07.5212.XX	CS 24-SL	CW 65-EF/SG
107.0211.XX	C07.5220.XX	CS 24-SL/AP	CW 86
107.0212.XX	C07.5221.XX	CS 38-SL	CW 86-BR
107.0220.XX	C07.5222.XX	CS 38-SL/AP	CW 86-EF
107.0221.XX		CS 59	CW 86-EF/Hi
107.0222.XX	EF 7-SG	CS 59-HV	CW 86-SG
C07.1210.XX	107.0501.XX	CS 59PA	ES 45PA
C07.1211.XX	107.0510.XX	CS 59Pa-SD	ES 50
C07.1212.XX	C07.1501.XX	CS 59-SD	ES 50-AP
C07.1220.XX	C07.1510.XX	CS 68	MASTERLINE 10-Fu
C07.1221.XX	C07.2501.XX	CS 68-HV	MASTERLINE 8-Fu
C07.1222.XX	C07.2510.XX	CS 68-RE	MASTERLINE 8-HV
C07.2210.XX	C07.3501.XX	CS 77	MASTERLINE 8-Sw
C07.2211.XX	C07.3510.XX	CS 77-FP	MasterPatio
C07.2212.XX	C07.4501.XX	CS 77-HV	MOSQUITO
C07.2220.XX	C07.4510.XX	CS 77-RE	SL 68
C07.2221.XX	C07.5501.XX	CS 77-SP	TR 200
C07.2222.XX	C07.5510.XX	CS 86-HI	
C07.3210.XX		CW 50	CS 77-BP
C07.3211.XX	CF 77	CW 50-HI	
C07.3212.XX	CF 77-AP	CW 50-HL	
C07.3220.XX	CP 130	CW 50-SC	
C07.3221.XX	CP 130-LS	CW 50-SG	
C07.3222.XX	CP 155	CW 50-VL	
C07.4210.XX	CP 155-AP	CW 60	
C07.4211.XX	CP 155-LS	CW 60-DRL	
C07.4212.XX	CP 155-LS/AP	CW 60-HI	
C07.4220.XX	CP 96	CW 60-HL	
C07.4221.XX	CP 96-AP	CW 60-SC	
C07.4222.XX	CP 96-LS	CW 60-SG	
C07.5210.XX	CP 96-LS/AP	CW 65-EF	

095.B547.00



PERSBLOK D=10MM L=ST
ENCLUME D=10MM L=ST
PRESS BLOCK D=10MM L=ST
PRESSBLOCK D=10MM L=ST
PRENSA D=10MM L=ST
BLOK DOCISKOWY D=10MM L=ST

EF 7	C07.5211.XX
107.0210.XX	C07.5212.XX
107.0211.XX	C07.5220.XX
107.0212.XX	C07.5221.XX
107.0220.XX	C07.5222.XX
107.0221.XX	
107.0222.XX	CW 50
C07.1210.XX	GNRLS
C07.1211.XX	MASTERLINE 10-Fu
C07.1212.XX	MASTERLINE 8-De
C07.1220.XX	MASTERLINE 8-Fu
C07.1221.XX	MASTERLINE 8-Re
C07.1222.XX	MASTERLINE 8-Sw
C07.2210.XX	MasterPatio
C07.2211.XX	SL 38
C07.2212.XX	
C07.2220.XX	
C07.2221.XX	
C07.2222.XX	
C07.3210.XX	
C07.3211.XX	
C07.3212.XX	
C07.3220.XX	
C07.3221.XX	
C07.3222.XX	
C07.4210.XX	
C07.4211.XX	
C07.4212.XX	
C07.4220.XX	
C07.4221.XX	
C07.4222.XX	
C07.5210.XX	

197.E900.00**197.E900.00**PONSUNIT ONTWATERING
UNITE D'ETAMPER DRAINAGE
PUNCH UNIT DRAINAGE
STANZEINHEIT ENTWAESSERUNG
PUNZON DRENAJE
WYKROJNIK DO DRENAZY**EF 7****097.0762.00**GLASKLEM
COLLIER EN VERRE
GLASS CLAMP
GLAS-CLAMP
ABRAZADERA DE VIDRIO
SZKLO ZAPIECIE**CW 65-EF/SG****EF 7**



Together
for better