

**FOR  
ME**

DESIGN

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**CATALOGO TECNICO**  
TECHNICAL CATALOGUE



**BATTENS 50**

**PRODOTTI  
PRODUCTS**

## DESCRIZIONE GENERALE

### BATTENS 50:

Il sistema in alluminio per l'architettura Battens 50, adatto agli spazi interni ed esterni, è utile per la riqualificazione e l'ombreggiamento, contribuendo all'efficientamento energetico dell'immobile.

Ha uno stile sobrio ed essenziale, che lo rende idoneo a svariate applicazioni, anche quelle dal design più sofisticato, grazie all'ampia gamma di decorazioni.

Il profilo stecca ha una superficie in vista di 50 mm e può rivestire superfici con un'apposita sottostruttura o essere applicata tra pavimento e soffitto con appropriate staffe a scomparsa, generando così privacy screen per separare ambienti senza erigere pareti.

È possibile creare giunzioni a 45° per mezzo di squadrette dedicate.

Il Battens 50 funge da frangisole, crea zone d'ombra e rende vivibili ambienti esposti ai raggi diretti del sole, garantisce protezione, comfort termico e grande resistenza agli agenti atmosferici, grazie ai materiali da cui è costituito.

## DESCRIZIONE PER CAPITOLATO

Sistema di rivestimento in alluminio realizzato con la serie Battens 50 dall'azienda Forme s.r.l., costituito da estrusi in lega di alluminio EN AW-6060 (UNI EN 573-3), stato di fornitura T5 e T6 conformi alla norma UNI EN 515, con tolleranze dimensionali e spessori conformi alla norma UNI EN 12020-2.

La stecca avrà una superficie in vista di 50 mm e sarà installata tramite una staffa in acciaio inox e un bullone che troverà alloggiamento in un profilato longherone, fissato alla parete con adeguato sistema di fissaggio.

Il sistema di aggancio dovrà consentire la regolazione sia in altezza che in larghezza, per garantire il perfetto allineamento di tutte le stecche.

Le superfici a taglio vivo di tutti gli elementi in alluminio dovranno essere protette a mezzo di sigillanti neutri.

La scelta dei profili sarà funzione dell'aspetto estetico che si vuole attribuire alla parete.

Gli accessori utilizzati nell'installazione dovranno essere solo ed esclusivamente quelli originali, studiati appositamente per il sistema, riportati a catalogo e certificati da Forme.

L'utilizzo di prodotti diversi da quelli indicati oppure il montaggio parziale o scorretto degli stessi comporterà il decadimento della validità dei certificati e la declinazione di ogni tipo di responsabilità da parte di Forme.

I profilati applicati alla parete dovranno garantire le seguenti classi di prestazione:

RESISTENZA AL VENTO SOTTO PRESSIONI DINAMICHE		Fino a 240 km/h
RESISTENZA ALL'URTO DA CORPO MOLLE	EAD 090062-00-0404	CATEGORIA II
COMPORAMENTO AL FUOCO	EN 13823:2020	A2
SVILUPPO DI FUMO	EN ISO 1716:2018	S2
GOCCE/PARTICELLE INFIAMMATE	EN 13501-1:2019	d0

I profili in alluminio sono sottoposti ad un pretrattamento chimico prima della fase di verniciatura elettrostatica. Il processo di pretrattamento comprende una prima fase di sgrassaggio alcalino, una seconda di attacco acido e una fase finale di conversione esente cromo, tutte seguite da risciacqui.

Il pretrattamento eseguito di serie è di tipo SEASIDE, processo che consente di ottenere una maggiore resistenza alla corrosione, garantita anche in ambienti marini o particolarmente aggressivi.

Dopo il pretrattamento, i profili sono sottoposti ad un processo di verniciatura elettrostatica che impiega vernici in polvere a base poliestere ad alta resistenza per ambienti outdoor.

I processi sono conformi ai requisiti di qualità richiesti dai capitolati QUALICOAT e QUALIDECO, rispettivamente per la verniciatura RAL e per la decorazione effetto legno. L'alluminio pretrattato e verniciato è garantito per 10 o 15 anni in esterno rispettivamente impiegando vernici in Classe 1 o in Classe 2.

FORME si riserva la facoltà di apportare, in qualsiasi momento senza preavviso, tutte le modifiche che riterrà opportune al fine di migliorare il prodotto.

Quanto rappresentato nel presente catalogo è di esclusiva proprietà di DFV srl e, a termine di legge, ne è vietata la riproduzione totale o parziale.

## GENERAL DESCRIPTION

### BATTENS 50:

The aluminum system for the architecture Battens 50, suitable for indoor and outdoor spaces, is useful for redevelopment and sunshading, thus making the building more efficient.

It has a simple and essential style, which makes it suitable for many applications, even those with the most sophisticated design, thanks to the wide range of decorations.

The batten has a visible surface of 2" and can cover walls with a special substructure or be applied between floor and ceiling with appropriate hidden brackets, thus generating privacy screen to separate rooms without building walls.

It is possible to connect profiles at 45° by means of specific corner joints.

The Battens 50 works as a sunshade, creates shady areas and makes living environments exposed to direct sunlight, provides protection, thermal comfort and great resistance to weather, thanks to the materials from which it is made.

## SPECIFICATION DESCRIPTION

Aluminium coating system made with Battens 50 series by Forme s.r.l., consisting of extruded aluminium alloy EN AW-6060 (UNI EN 573-3), supply status T5 and T6 compliant with UNI EN 515, with dimensional tolerances and thickness according to UNI EN 12020-2.

The batten will have a visible surface of 2" and will be installed through a stainless steel bracket and a bolt that will be housed in a profile fixed to the wall with appropriate fastening system.

The coupling system must allow adjustment both in height and width to ensure the perfect alignment of all the battens.

The raw aluminium surfaces must be protected by neutral sealants.

The choice of the profiles will depend on the aesthetic aspect that the customer want to attribute to the wall.

The accessories used in the installation must be only and exclusively the original ones, designed specifically for the system, listed in the catalogue and certified by Forme.

The use of products other than those indicated or the partial or incorrect assembly of the same will lead to the decay of the validity of the certificates and the decline of any type of liability by Forme.

The profiles applied to the wall shall ensure the following performance classes:

DYNAMIC WIND LOAD RESISTANCE		Up to 218,7 ft/s
RESISTANCE TO SOFT BODY IMPACT	EAD 090062-00-0404	CATEGORY II
FIRE BEHAVIOUR	EN 13823:2020	A2
SMOKE PRODUCTION	EN ISO 1716:2018	S2
FLAMING DROPLETS/PARTICLES	EN 13501-1:2019	d0


The aluminium profiles undergo a chemical pretreatment before the electrostatic coating.


The pretreatment process includes a first step of alkaline degreasing, a second step of acid attack and a final step of chromium-free conversion, all followed by rinsing. The standard pre-treatment is SEASIDE, a process that allows to obtain a higher resistance to corrosion, guaranteed even in marine or particularly aggressive environments.


After pretreatment, the profiles undergo an electrostatic coating process using high-strength polyester-based powder coatings for outdoor environments.

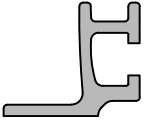

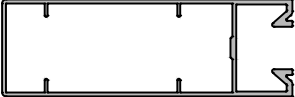


Our processes comply with the quality requirements of the QUALICOAT and QUALIDECO specifications, respectively for RAL coating and wood effect decoration. Pretreated and coated aluminium is guaranteed for 10 or 15 years outdoors using Class 1 or Class 2 paints respectively.

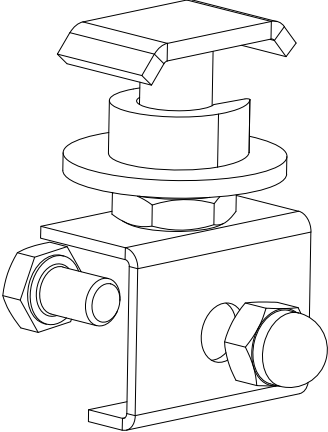
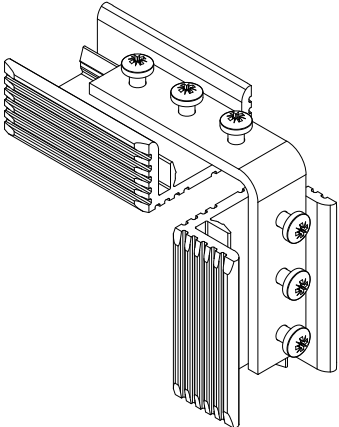
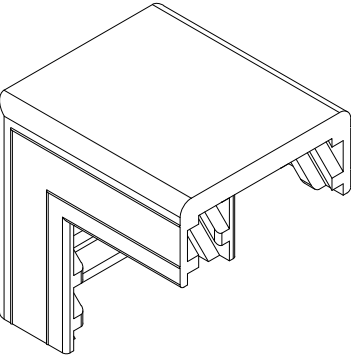
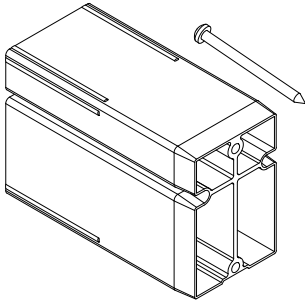
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 Prova di resistenza al vento sotto pressioni dinamiche <i>Dynamic wind load test</i>		
Interasse massimo tra i punti di fissaggio <i>Maximum distance between fixing points</i>	Velocità massima del vento <i>Maximum wind speed</i>	Esito <i>Results</i>
3600 mm 11,8 ft	240 km/h 218,7 ft/s	Elementi e fissaggi integri <i>Elements and fasteners integrity</i>

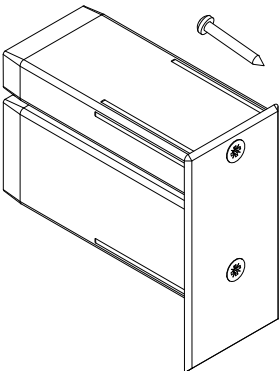
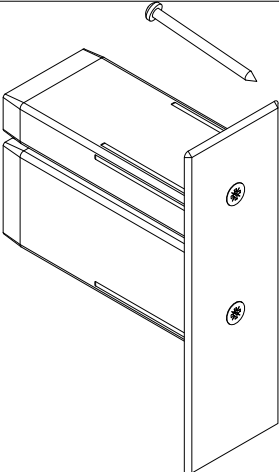
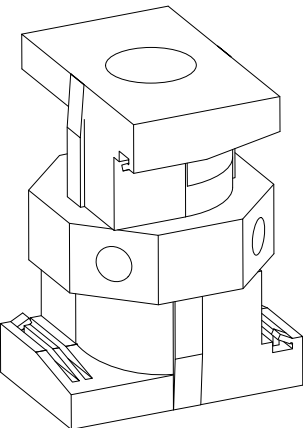

 Prova di resistenza all'urto da corpo molle (Norma di riferimento: EAD 090062-00-0404 Allegato G) <i>Resistance to soft body impact test (Reference standard: EAD 090062-00-0404 Annex G)</i>
Categoria dichiarabile <i>Declared category</i>
Categoria II <i>Category II</i>

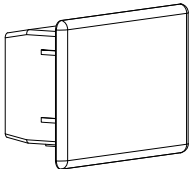
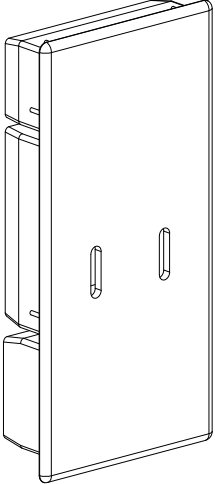
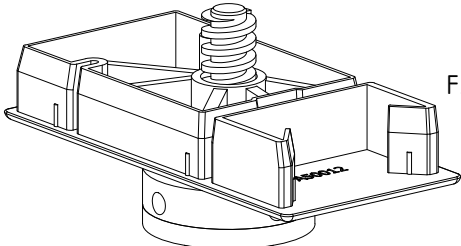
 Prova di reazione al fuoco (Norme di riferimento EN 13823:2020, EN ISO 1716:2018, EN 13501-1:2019) <i>Reaction to fire test (Reference standards: EN 13823:2020, EN ISO 1716:2018, EN 13501-1:2019)</i>			
Verniciatura <i>Coating</i>	Comportamento al fuoco <i>Fire behaviour</i>	Sviluppo di fumo <i>Smoke production</i>	Gocce/particelle infiammate <i>Floaming droplets/particles</i>
RAL (verniciatura a polvere) RAL ( <i>powder coating</i> )	A2	s2	d0
EZY (verniciatura polvere su polvere) EZY ( <i>powder-on-powder coating</i> )	A2	s2	d0

CODICE code	PROFILO profile	DESCRIZIONE description
BA50002		<p>LONGHERONE</p> <p><i>Fixing bar</i></p>
BA50003		<p>COVER CHIUSURA</p> <p><i>Cover</i></p>
BA50004		<p>STECCA 150 mm</p> <p><i>6" batten</i></p>
BA50005		<p>STECCA 30 mm\LONGHERONE</p> <p><i>1" batten/fixing bar</i></p>
BA50008		<p>STECCA 100 mm</p> <p><i>4" batten</i></p>

ACCESSORI accessories	CODICE code	DESCRIZIONI description	N. pezzi per busta Number of pieces per bag
	FA50001	Kit staffa AISI304 aggancio stecche <i>Stainless steel fixing bracket kit</i>	25
	FA50002	Kit staffa AISI304 angolare stecche <i>Fixing corner bracket kit</i>	25
	FA50004	Giunto plastico angolare stecche <i>Corner joint</i>	30
	FA50005	Giunto plastico lineare stecche <i>Linear joint</i>	25



ACCESSORIO accessories	CODICE code	DESCRIZIONE description	N. pezzi per busta Number of pieces per bag
	FA50006/RAL	Tappo stecca 100 mm colorazione RAL <i>4" batten cap RAL colours</i>	1
	FA50006/EX	Tappo stecca 100 mm decorazioni exclusive, ezy e sublimato <i>4" batten cap exclusive, ezy and sublimated decorations</i>	1
	FA50007/RAL	Tappo stecca 150 mm colorazione RAL <i>6" batten cap RAL colours</i>	1
	FA50007/EX	Tappo stecca 150 mm decorazioni exclusive, ezy e sublimato <i>6" batten cap exclusive, ezy and sublimated decorations</i>	1
	FA50008	Clip nylon <i>Nylon clip</i>	100
	FA50009	Cavetto di ritegno <i>Retaining cable</i>	1

ACCESSORI accessories	CODICE code	DESCRIZIONI description	N pezzi per busta.
	FA50010_1013	tappo stecca 50 mm x 30 mm colorazione RAL 1013 <i>1" batten cap, RAL 1013</i>	50
	FA50010_7001	tappo stecca 50 mm x 30 mm colorazione RAL 7001 <i>1" batten cap, RAL 7001</i>	50
	FA50010_8017	tappo stecca 50 mm x 30 mm colorazione RAL 8017 <i>1" batten cap, RAL 8017</i>	50
	FA50010_8023	tappo stecca 50 mm x 30 mm colorazione RAL 8023 <i>1" batten cap, RAL 8023</i>	50
	FA50010_9005	tappo stecca 50 mm x 30 mm colorazione RAL 9005 <i>1" batten cap, RAL 9005</i>	50
	FA50010_9010	tappo stecca 50 mm x 30 mm colorazione RAL 9010 <i>1" batten cap, RAL 9010</i>	50
	FA50010_EXC	tappo stecca 50 mm x 30 mm decorazione esclusiva <i>1" batten cap, egò colours</i>	50
	FA50011_1013	tappo stecca 50 mm x 100 mm colorazione RAL 1013 <i>4" batten cap, RAL 1013</i>	50
	FA50011_7001	tappo stecca 50 mm x 100 mm colorazione RAL 7001 <i>4" batten cap, RAL 7001</i>	50
	FA50011_8017	tappo stecca 50 mm x 100 mm colorazione RAL 8017 <i>4" batten cap, RAL 8017</i>	50
	FA50011_8023	tappo stecca 50 mm x 100 mm colorazione RAL 8023 <i>4" batten cap, RAL 8023</i>	50
	FA50011_9005	tappo stecca 50 mm x 100 mm colorazione RAL 9005 <i>4" batten cap, RAL 9005</i>	50
	FA50011_9010	tappo stecca 50 mm x 100 mm colorazione RAL 9010 <i>4" batten cap, RAL 9010</i>	50
	FA50011_EXC	tappo stecca 50 mm x 100 mm decorazione esclusiva <i>4" batten cap, egò colours</i>	50
	FA50012	Livellatore a vite <i>Screw leveler</i>	10

ACCESSORIO

accessories

CODICE

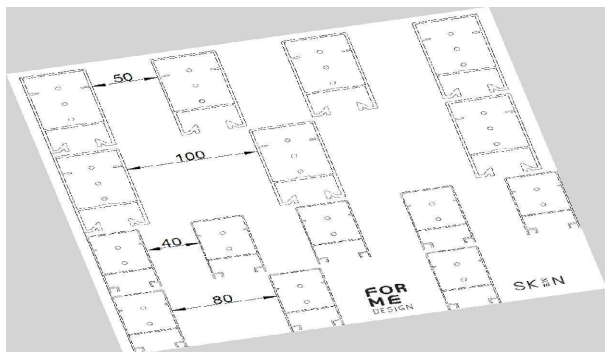
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DESCRIZIONE

description

N. pezzi per busta

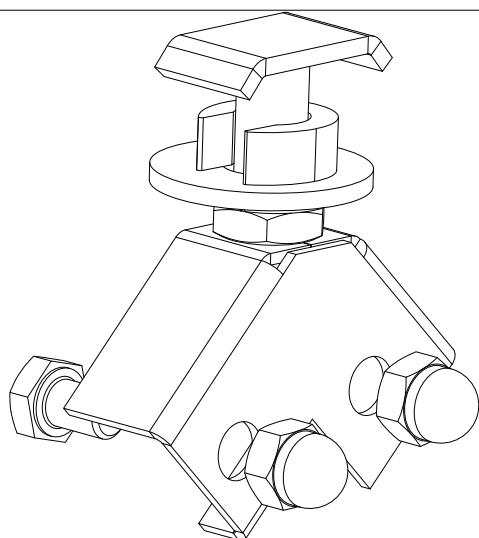
Number of pieces per bag



FA50013

Maschera di foratura  
*Drilling template*

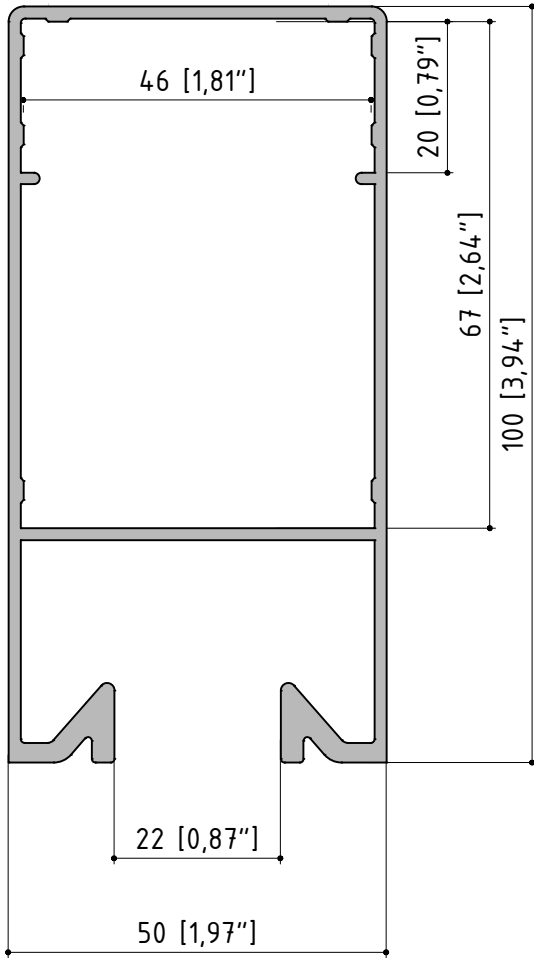
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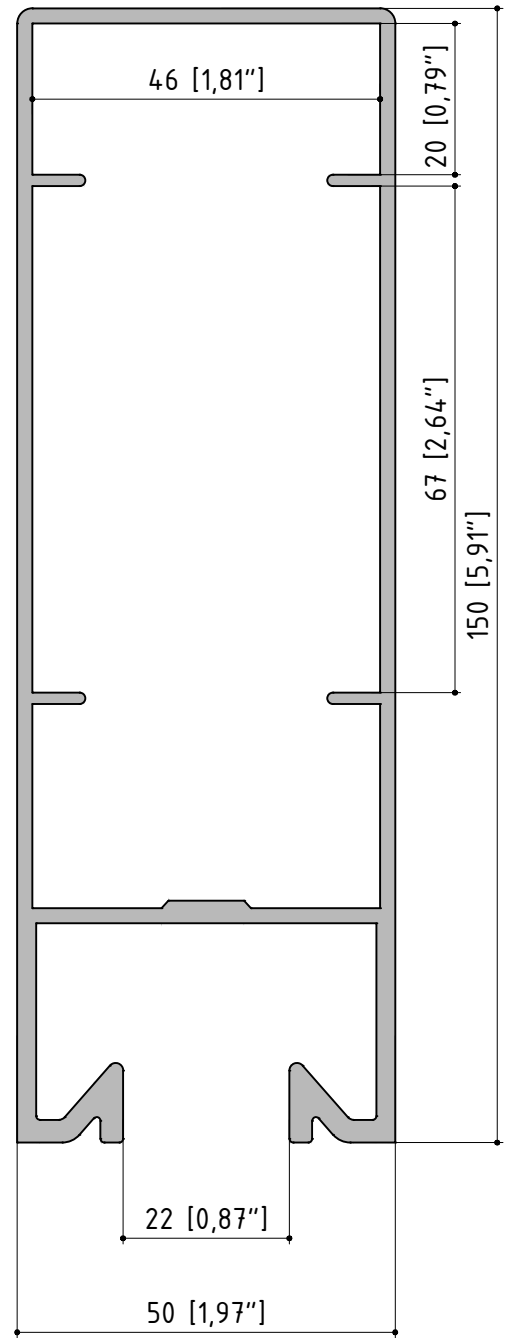
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Kit staffa d'angolo AISI304  
aggancio stecche  
*Stainless steel fixing corner  
bracket kit*

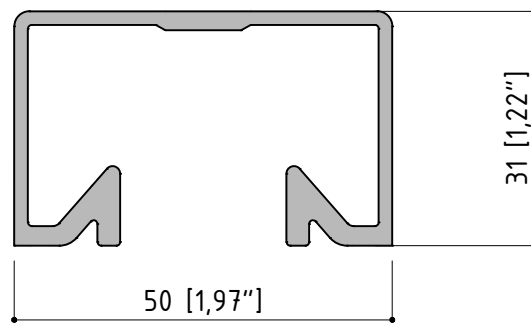
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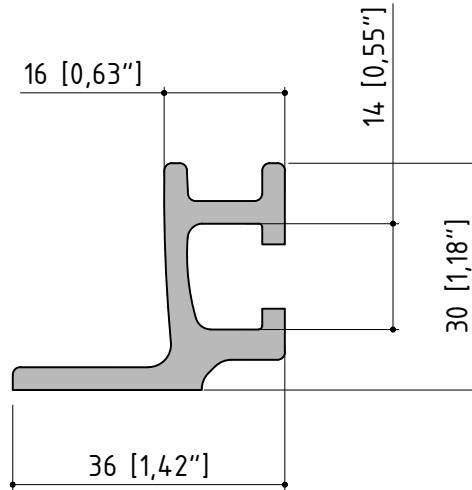
BA50008 STECCA 100 mm  
4" Batten



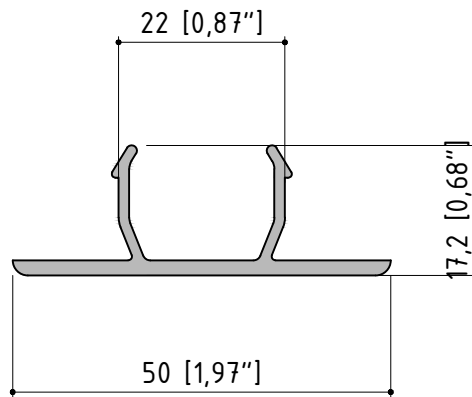
BA50004 STECCA 150 mm  
6" Batten



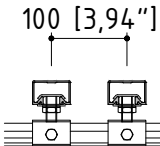
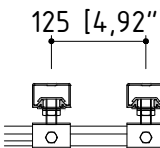
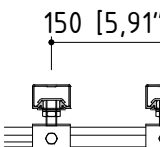
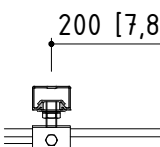
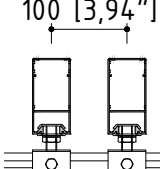
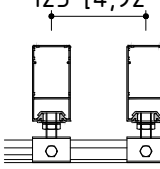
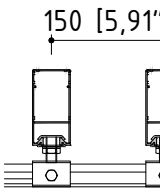
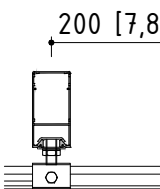
BA50005 STECCA 30 mm\LONGHERONE  
1" Batten\Fixing bar



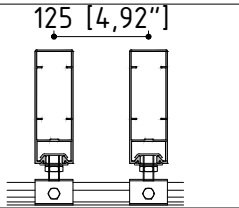
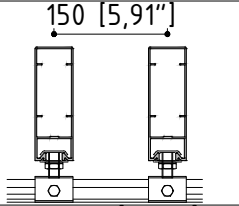
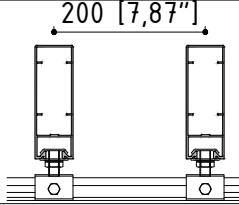
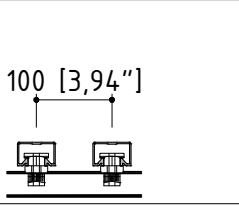
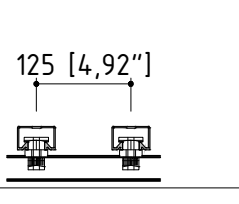
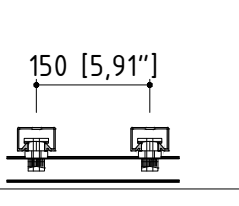
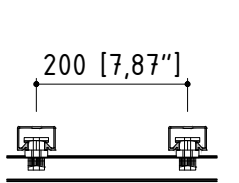
BA50002 LONGHERONE  
*Fixing bar*



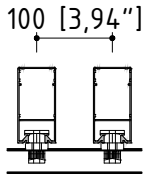
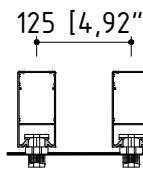
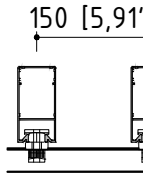
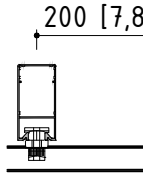
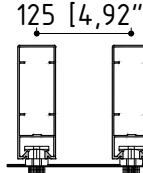
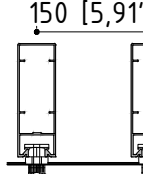
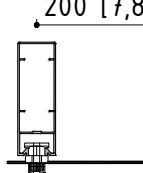
BA50003 COVER CHIUSURA  
*Cover*

CONFIGURAZIONE APPLICATION	Peso al metro quadrato * Weight per Square Foot
50x30 interasse 100-Staffa inox 1,97"x1,12" centre distance 3,9"- Inox bracket	 <p>100 [3,94"]</p> <p>9,6 kg/m<sup>2</sup> 2 lb/ft<sup>2</sup></p>
50x30 interasse 125-Staffa inox 1,97"x1,12" centre distance 4,9"- Inox bracket	 <p>125 [4,92"]</p> <p>7,8 kg/m<sup>2</sup> 1,6 lb/ft<sup>2</sup></p>
50x30 interasse 150-Staffa inox 1,97"x1,12" centre distance 5,9"- Inox bracket	 <p>150 [5,91"]</p> <p>7 kg/m<sup>2</sup> 1,4 lb/ft<sup>2</sup></p>
50x30 interasse 200-Staffa inox 1,97"x1,12" centre distance 7,9"- Inox bracket	 <p>200 [7,87"]</p> <p>5,2 kg/m<sup>2</sup> 1 lb/ft<sup>2</sup></p>
50x100 interasse 100-Staffa inox 1,97"x3,9" centre distance 3,9"- Inox bracket	 <p>100 [3,94"]</p> <p>17,3 kg/m<sup>2</sup> 3,5 lb/ft<sup>2</sup></p>
50x100 interasse 125-Staffa inox 1,97"x3,9" centre distance 4,9"- Inox bracket	 <p>125 [4,92"]</p> <p>14 kg/m<sup>2</sup> 2,9 lb/ft<sup>2</sup></p>
50x100 interasse 150-Staffa inox 1,97"x3,9" centre distance 5,9"- Inox bracket	 <p>150 [5,91"]</p> <p>12,4 kg/m<sup>2</sup> 2,5 lb/ft<sup>2</sup></p>
50x100 interasse 200-Staffa inox 1,97"x3,9" centre distance 7,9"- Inox bracket	 <p>200 [7,87"]</p> <p>9 kg/m<sup>2</sup> 1,8 lb/ft<sup>2</sup></p>

\*Il peso è calcolato tenendo in considerazione solo i profili di alluminio.  
 Weight is calculated taking into account only aluminium profiles.

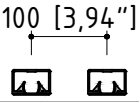
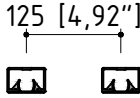
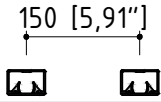
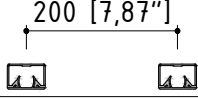
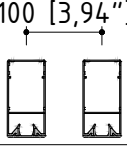
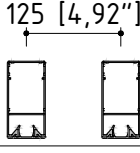
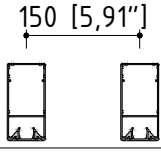
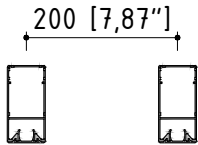
CONFIGURAZIONE APPLICATION	Peso al metro quadrato * Weight per Square Foot
50x150 interasse 125-Staffa inox 1,97"x 5,9" centre distance 4,9"- Inox bracket	 <p>125 [4,92"]</p> <p>22,1 kg/m<sup>2</sup> 4,5 lb/ft<sup>2</sup></p>
50x150 interasse 150-Staffa inox 1,97"x 5,9" centre distance 5,9"- Inox bracket	 <p>150 [5,91"]</p> <p>19,4 kg/m<sup>2</sup> 4 lb/ft<sup>2</sup></p>
50x150 interasse 200-Staffa inox 1,97"x 5,9" centre distance 7,9"- Inox bracket	 <p>200 [7,87"]</p> <p>14,1 kg/m<sup>2</sup> 2,9 lb/ft<sup>2</sup></p>
50x30 interasse 100-Clip plastica 1,97"x1,18" centre distance 3,9"- Plastic clip	 <p>100 [3,94"]</p> <p>13,3 kg/m<sup>2</sup> 2,7 lb/ft<sup>2</sup></p>
50x30 interasse 125-Clip plastica 1,97"x1,18" centre distance 4,9"- Plastic clip	 <p>125 [4,92"]</p> <p>10,7 kg/m<sup>2</sup> 2,2 lb/ft<sup>2</sup></p>
50x30 interasse 150-Clip plastica 1,97"x1,18" centre distance 5,9"- Plastic clip	 <p>150 [5,91"]</p> <p>9,4 kg/m<sup>2</sup> 1,9 lb/ft<sup>2</sup></p>
50x30 interasse 200-Clip plastica 1,97"x1,18" centre distance 7,9"- Plastic clip	 <p>200 [7,87"]</p> <p>6,9 kg/m<sup>2</sup> 1,4 lb/ft<sup>2</sup></p>

\*Il peso è calcolato tenendo in considerazione solo i profili di alluminio.  
 Weight is calculated taking into account only aluminium profiles.

CONFIGURAZIONE APPLICATION	Peso al metro quadrato * Weight per Square Foot
<p>50x100 interasse 100-Clip plastica 1,97"x3,9" centre distance 3,9"- Plastic clip</p> 	<p>21 kg/m<sup>2</sup> 4,3 lb/ft<sup>2</sup></p>
<p>50x100 interasse 125-Clip plastica 1,97"x3,9" centre distance 4,9"- Plastic clip</p> 	<p>16,9 kg/m<sup>2</sup> 3,5 lb/ft<sup>2</sup></p>
<p>50x100 interasse 150-Clip plastica 1,97"x3,9" centre distance 5,9"- Plastic clip</p> 	<p>14,8 kg/m<sup>2</sup> 3 lb/ft<sup>2</sup></p>
<p>50x100 interasse 200-Clip plastica 1,97"x3,9" centre distance 7,9"- Plastic clip</p> 	<p>10,7 kg/m<sup>2</sup> 2,2 lb/ft<sup>2</sup></p>
<p>50x150 interasse 125-Clip plastica 1,97"x5,9" centre distance 4,9"- Plastic clip</p> 	<p>25 kg/m<sup>2</sup> 5,1 lb/ft<sup>2</sup></p>
<p>50x150 interasse 150-Clip plastica 1,97"x5,9" centre distance 5,9"- Plastic clip</p> 	<p>21,9 kg/m<sup>2</sup> 4,5 lb/ft<sup>2</sup></p>
<p>50x150 interasse 200-Clip plastica 1,97"x5,9" centre distance 7,9"- Plastic clip</p> 	<p>15,8 kg/m<sup>2</sup> 3,2 lb/ft<sup>2</sup></p>

\*Il peso è calcolato tenendo in considerazione solo i profili di alluminio.  
Weight is calculated taking into account only aluminium profiles.

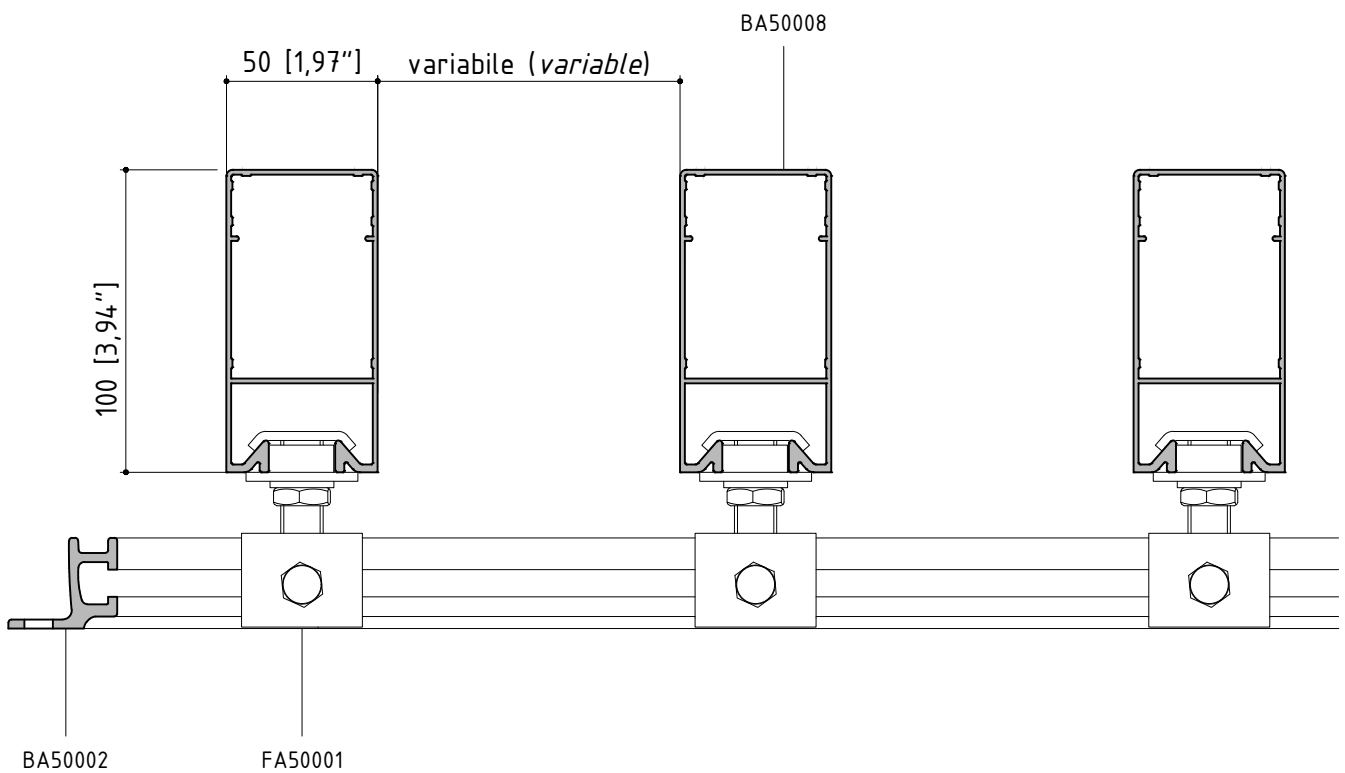
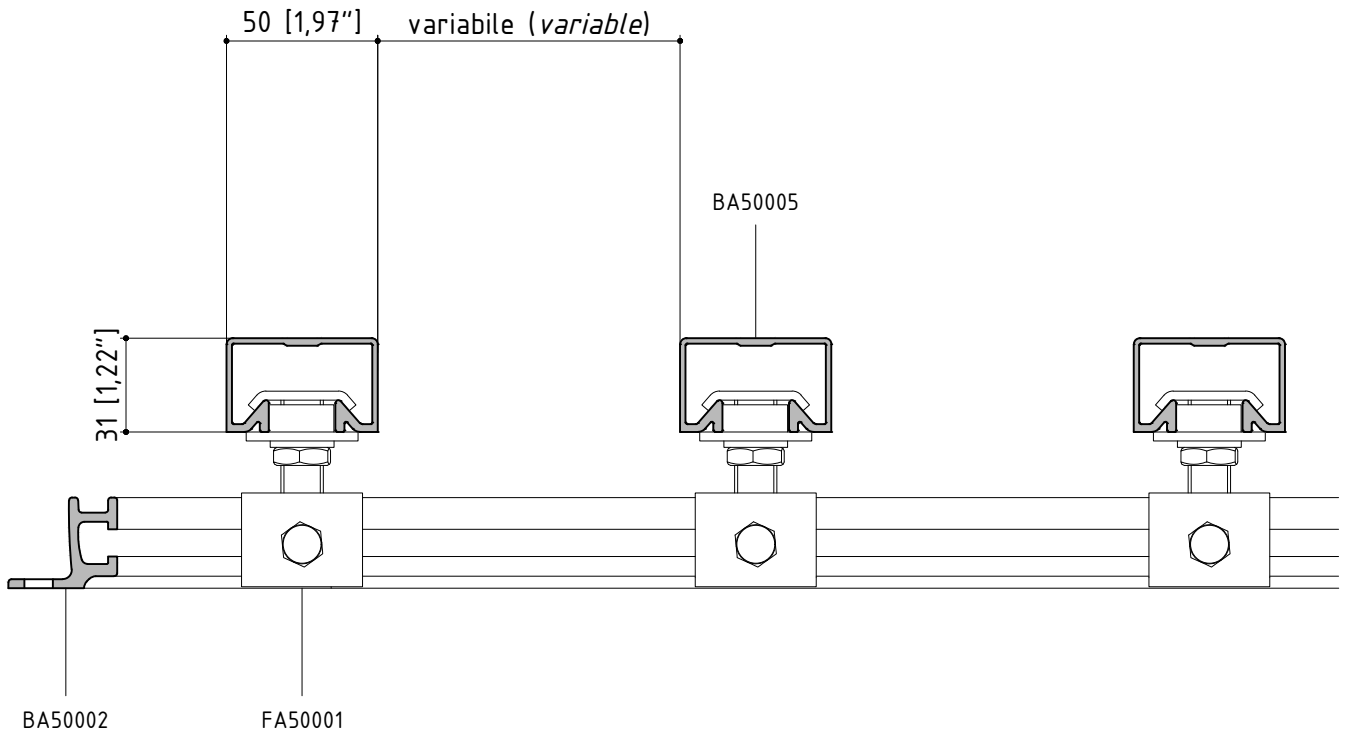


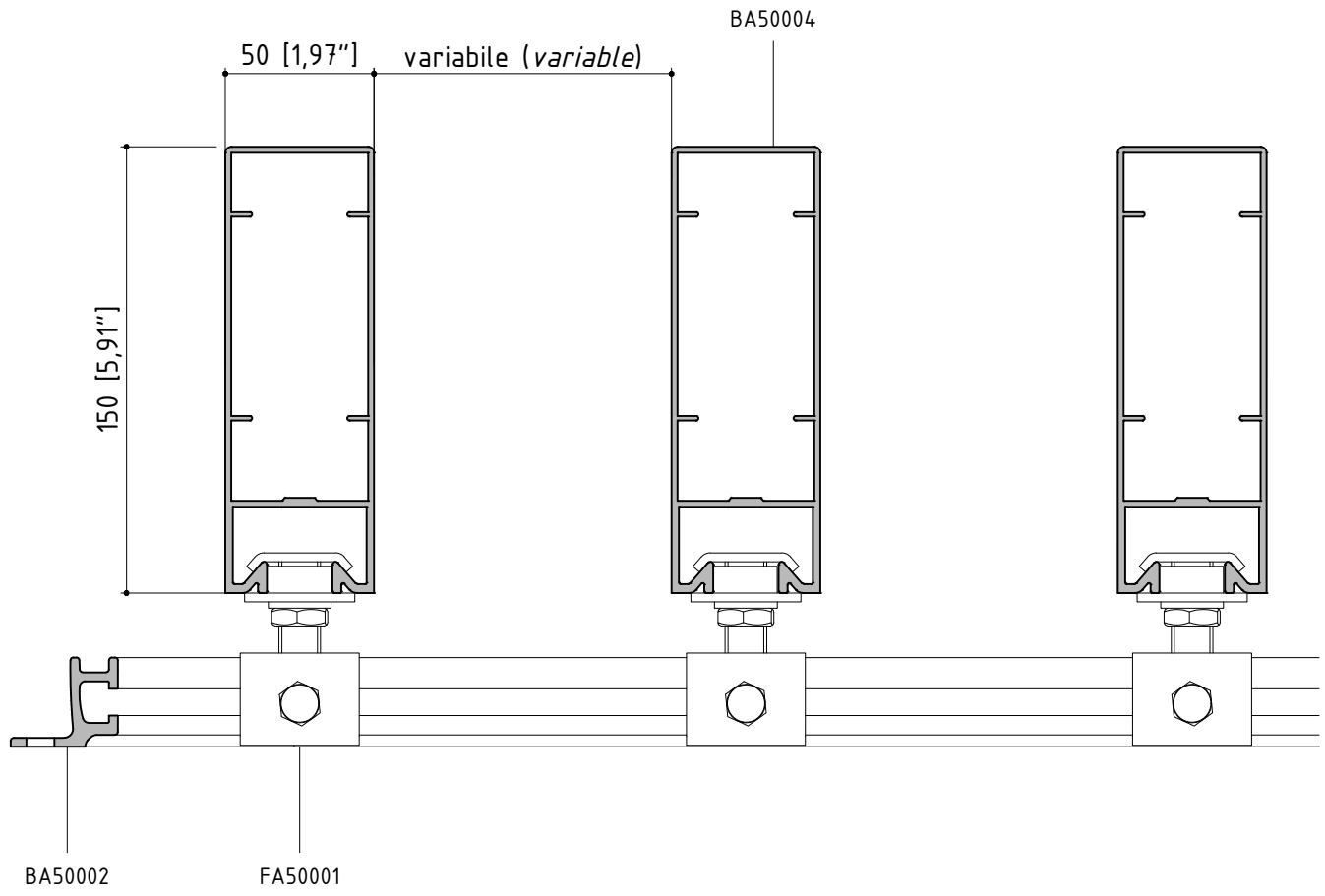
CONFIGURAZIONE APPLICATION	Peso al metro quadrato * Weight per Square Foot
50x30 interasse 100-Cover fissata al muro 1,97"x1,12" centre distance 3,9"- Cover fixed to the wall  	12,8 kg/m <sup>2</sup> 2,6 lb/ft <sup>2</sup>
50x30 interasse 125-Cover fissata al muro 1,97"x1,12" centre distance 4,9"- Cover fixed to the wall  	10,2 kg/m <sup>2</sup> 2 lb/ft <sup>2</sup>
50x30 interasse 150-Cover fissata al muro 1,97"x1,12" centre distance 5,9"- Cover fixed to the wall  	8,9 kg/m <sup>2</sup> 1,8 lb/ft <sup>2</sup>
50x30 interasse 200-Cover fissata al muro 1,97"x1,12" centre distance 7,9"- Cover fixed to the wall  	6,4 kg/m <sup>2</sup> 1,3 lb/ft <sup>2</sup>
50x100 interasse 100-Cover fissata al muro 1,97"x3,9" centre distance 3,9"- Cover fixed to the wall  	20,5 kg/m <sup>2</sup> 4,2 lb/ft <sup>2</sup>
50x100 interasse 125-Cover fissata al muro 1,97"x3,9" centre distance 4,9"- Cover fixed to the wall  	16,4 kg/m <sup>2</sup> 3,3 lb/ft <sup>2</sup>
50x100 interasse 150-Cover fissata al muro 1,97"x3,9" centre distance 5,9"- Cover fixed to the wall  	14,3 kg/m <sup>2</sup> 2,9 lb/ft <sup>2</sup>
50x100 interasse 200-Cover fissata al muro 1,97"x3,9" centre distance 7,9"- Cover fixed to the wall  	10,2 kg/m <sup>2</sup> 5 lb/ft <sup>2</sup>

\*Il peso è calcolato tenendo in considerazione solo i profili di alluminio.  
Weight is calculated taking into account only aluminium profiles.

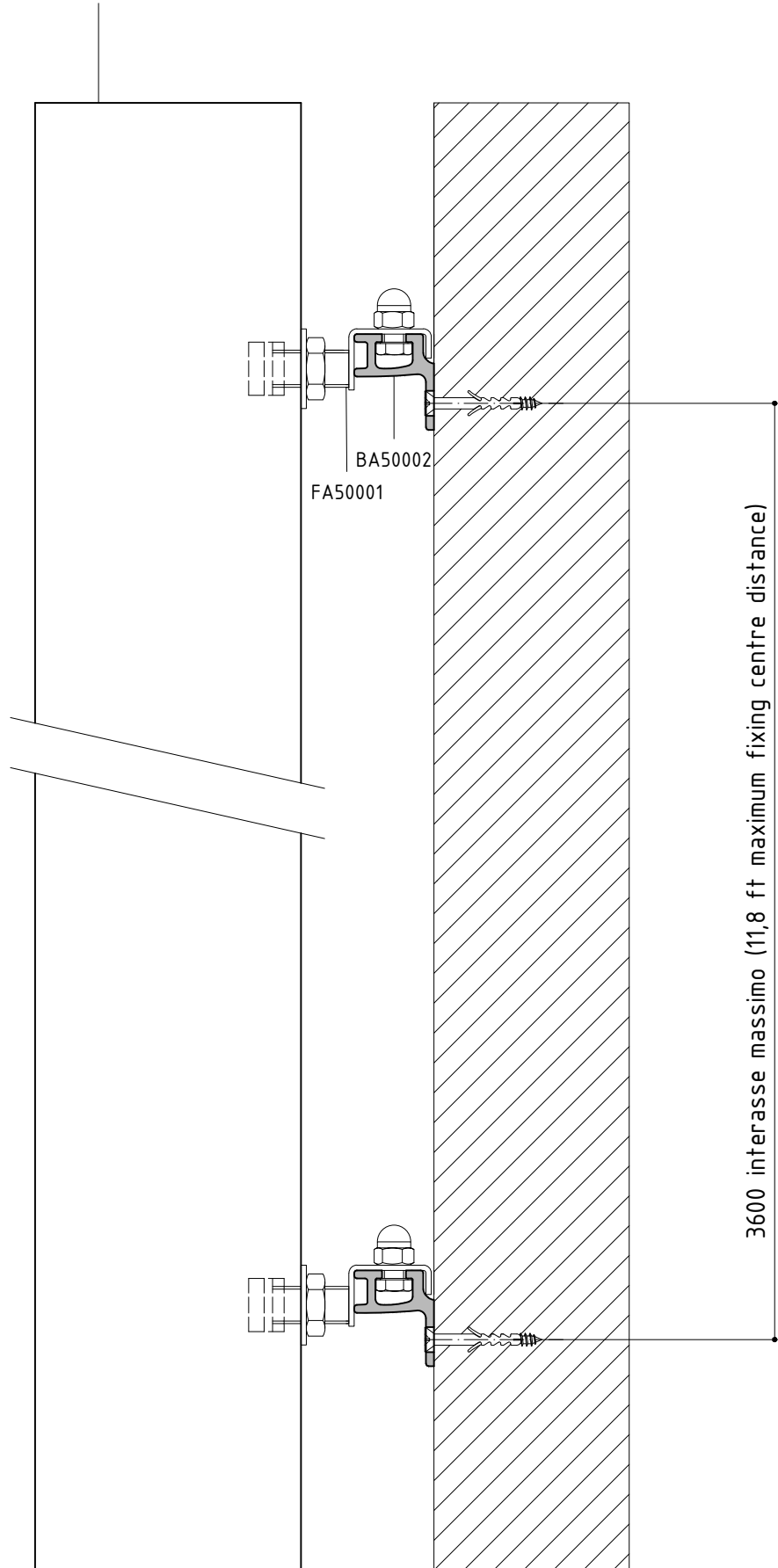
CONFIGURAZIONE APPLICATION	Peso al metro quadrato * Weight per Square Foot
50x150 interasse 125-Cover fissata al muro 1,97"x5,9" centre distance 4,9"- Cover fixed to the wall	<div style="text-align: center;"> <p>125 [4,92"]</p> </div> <div style="text-align: right;"> <p>24,5 kg/m<sup>2</sup> 5 lb/ft<sup>2</sup></p> </div>
50x150 interasse 150-Cover fissata al muro 1,97"x5,9" centre distance 5,9"- Cover fixed to the wall	<div style="text-align: center;"> <p>150 [5,91"]</p> </div> <div style="text-align: right;"> <p>21,4 kg/m<sup>2</sup> 4,4 lb/ft<sup>2</sup></p> </div>
50x150 interasse 200-Cover fissata al muro 1,97"x5,9" centre distance 7,9"- Cover fixed to the wall	<div style="text-align: center;"> <p>200 [7,87"]</p> </div> <div style="text-align: right;"> <p>15,3 kg/m<sup>2</sup> 3,1 lb/ft<sup>2</sup></p> </div>

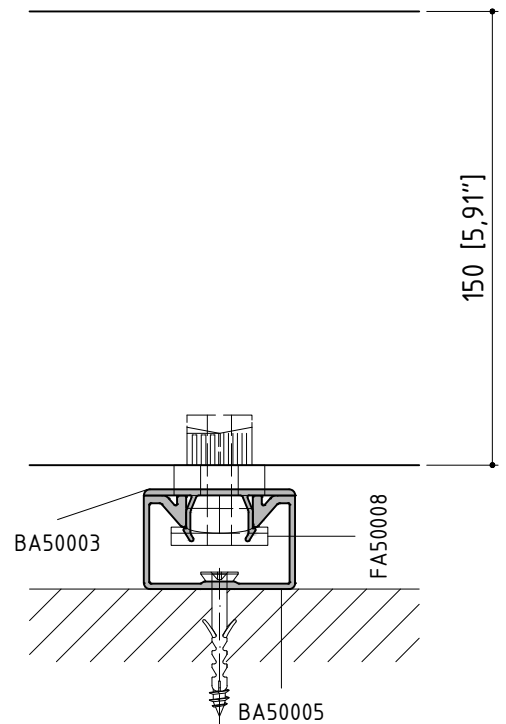
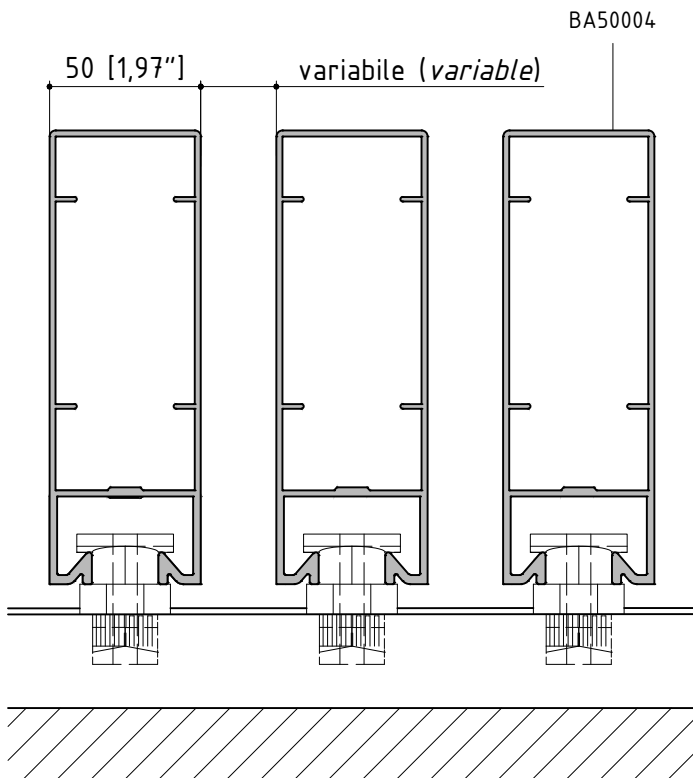
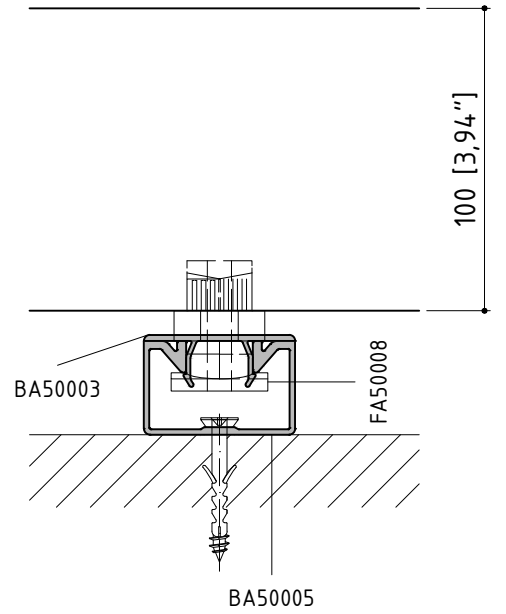
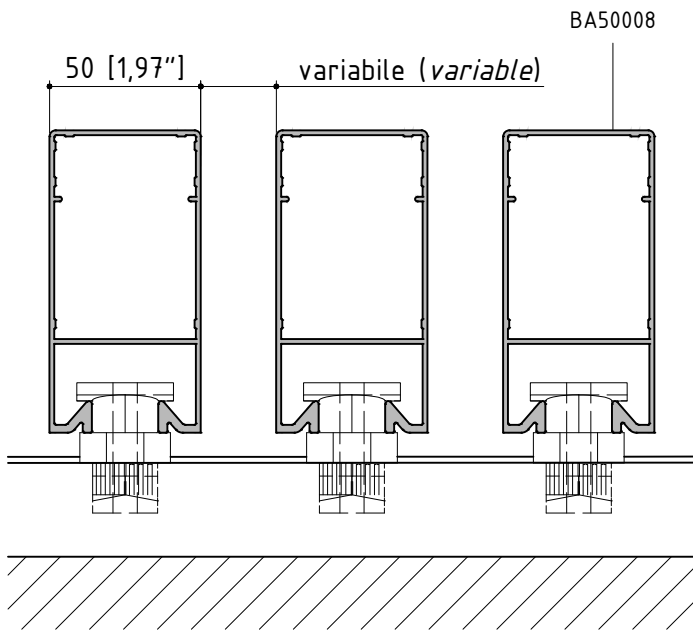
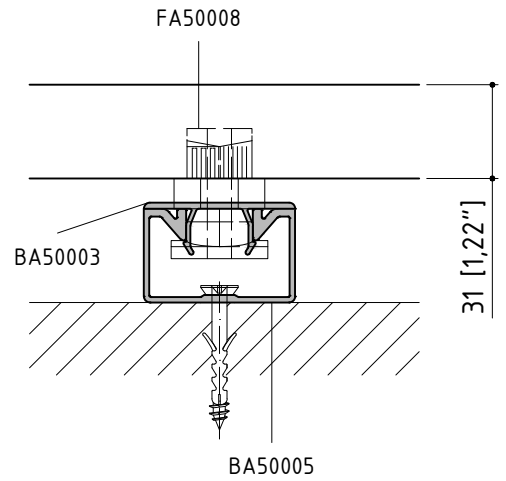
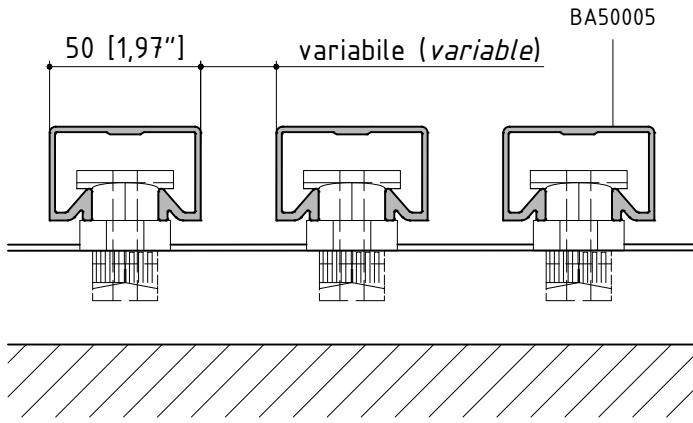
\*Il peso è calcolato tenendo in considerazione solo i profili di alluminio.  
 Weight is calculated taking into account only aluminium profiles.

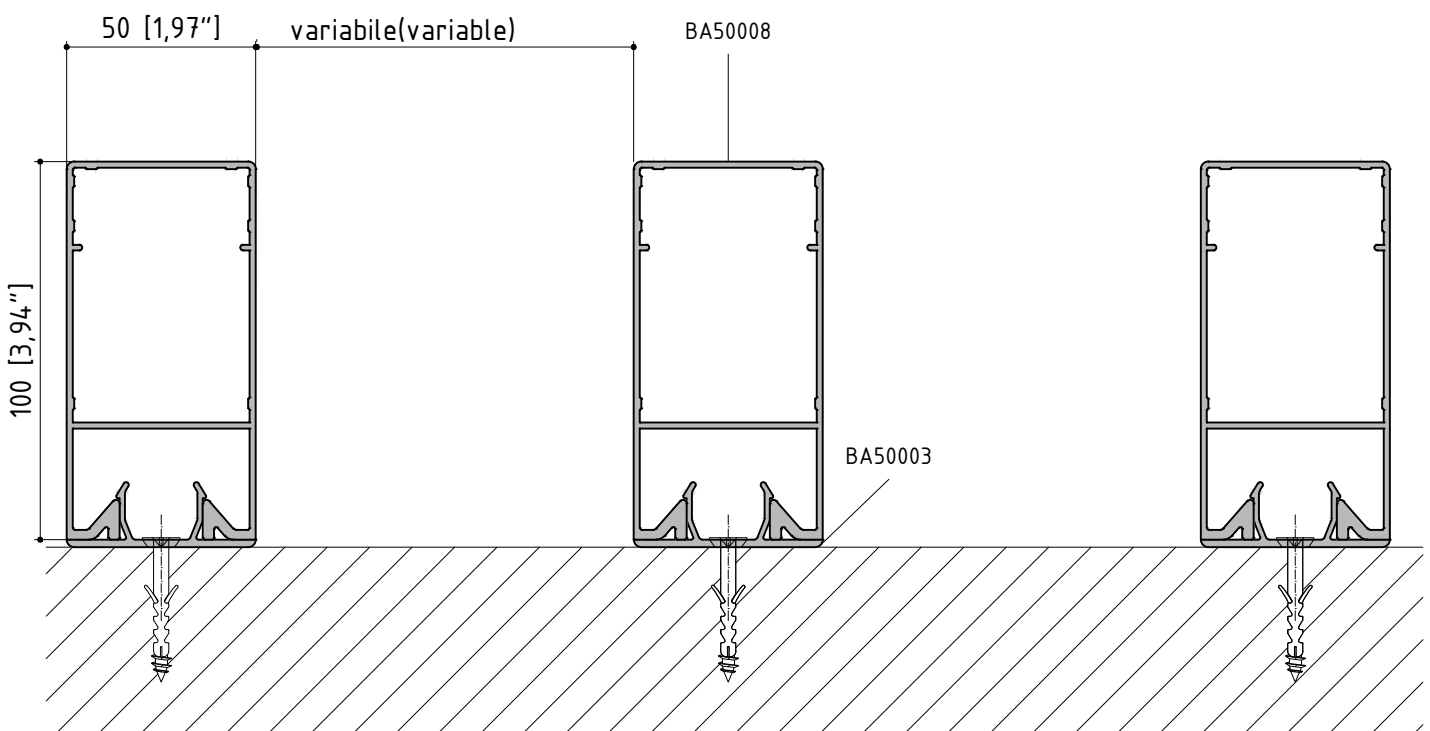
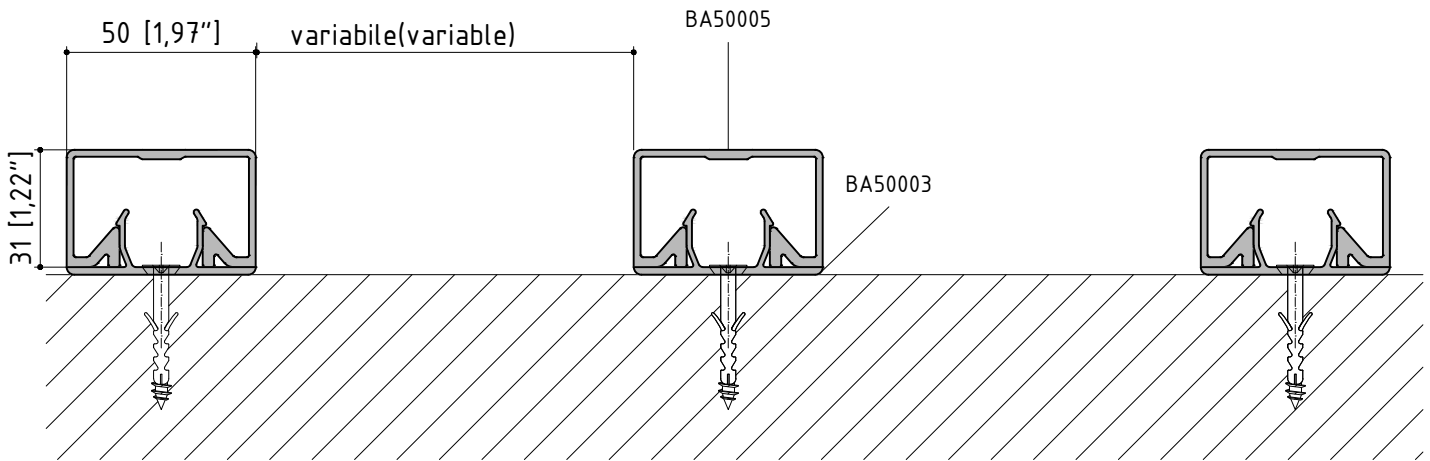


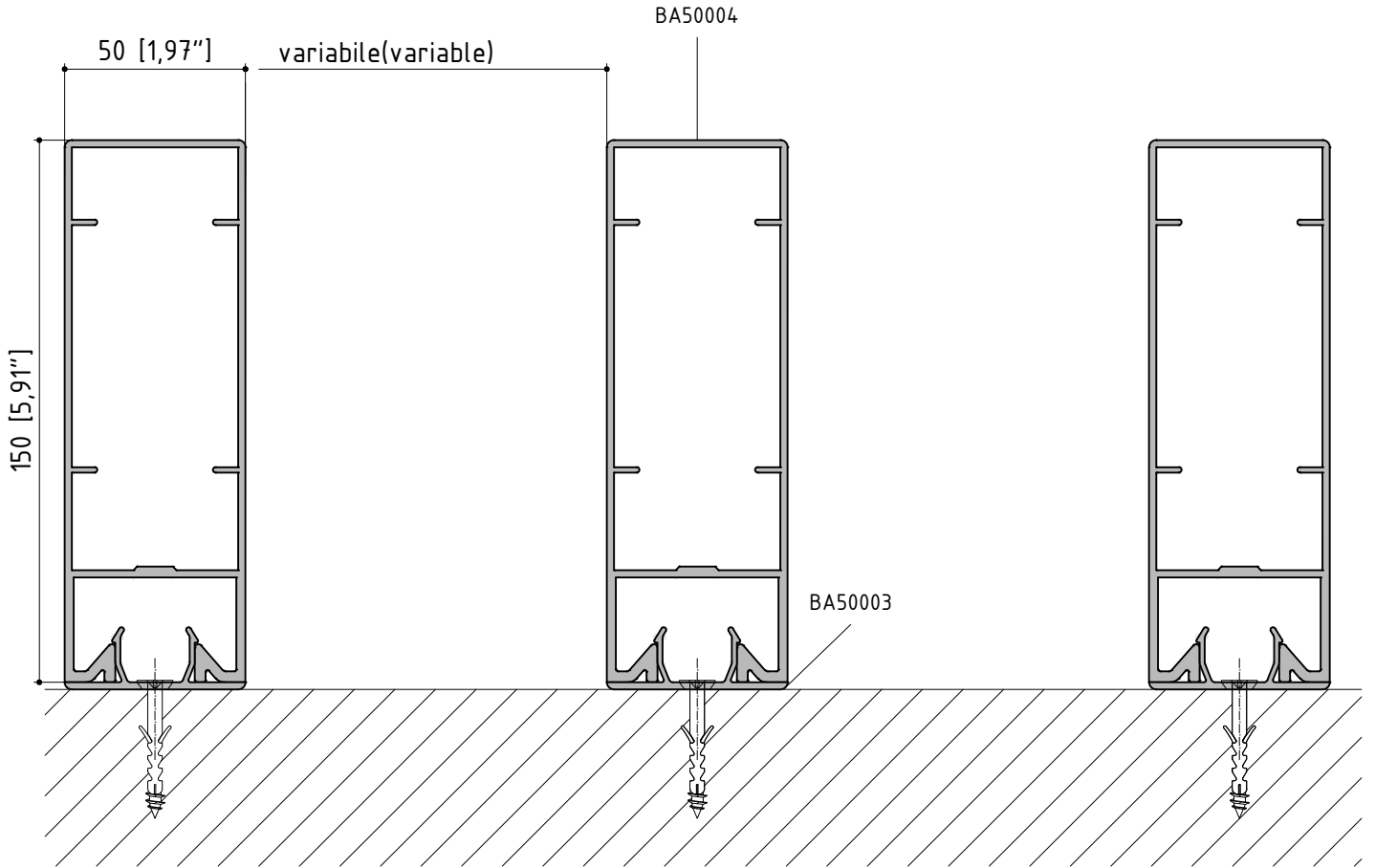


BA50008/BA50004/BA50005

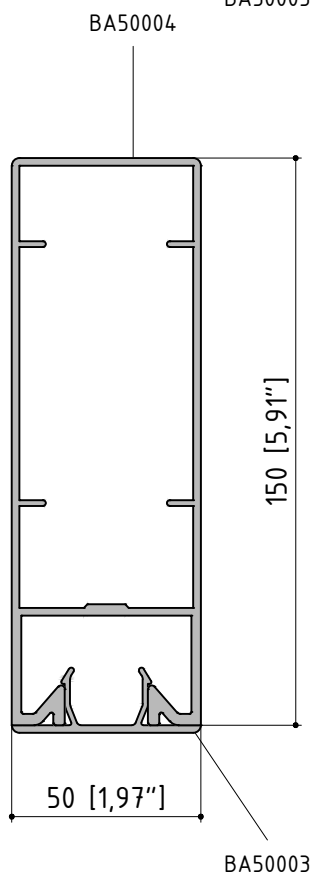
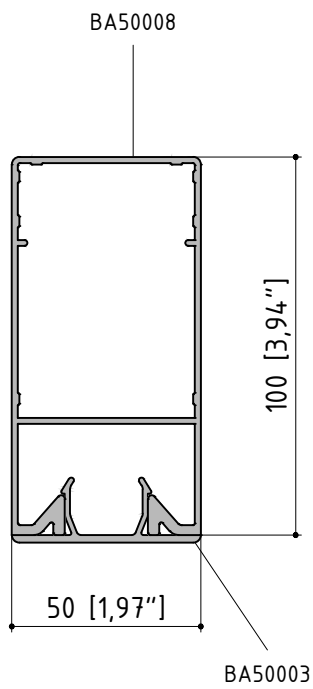
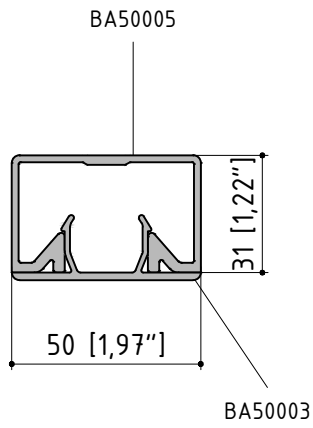


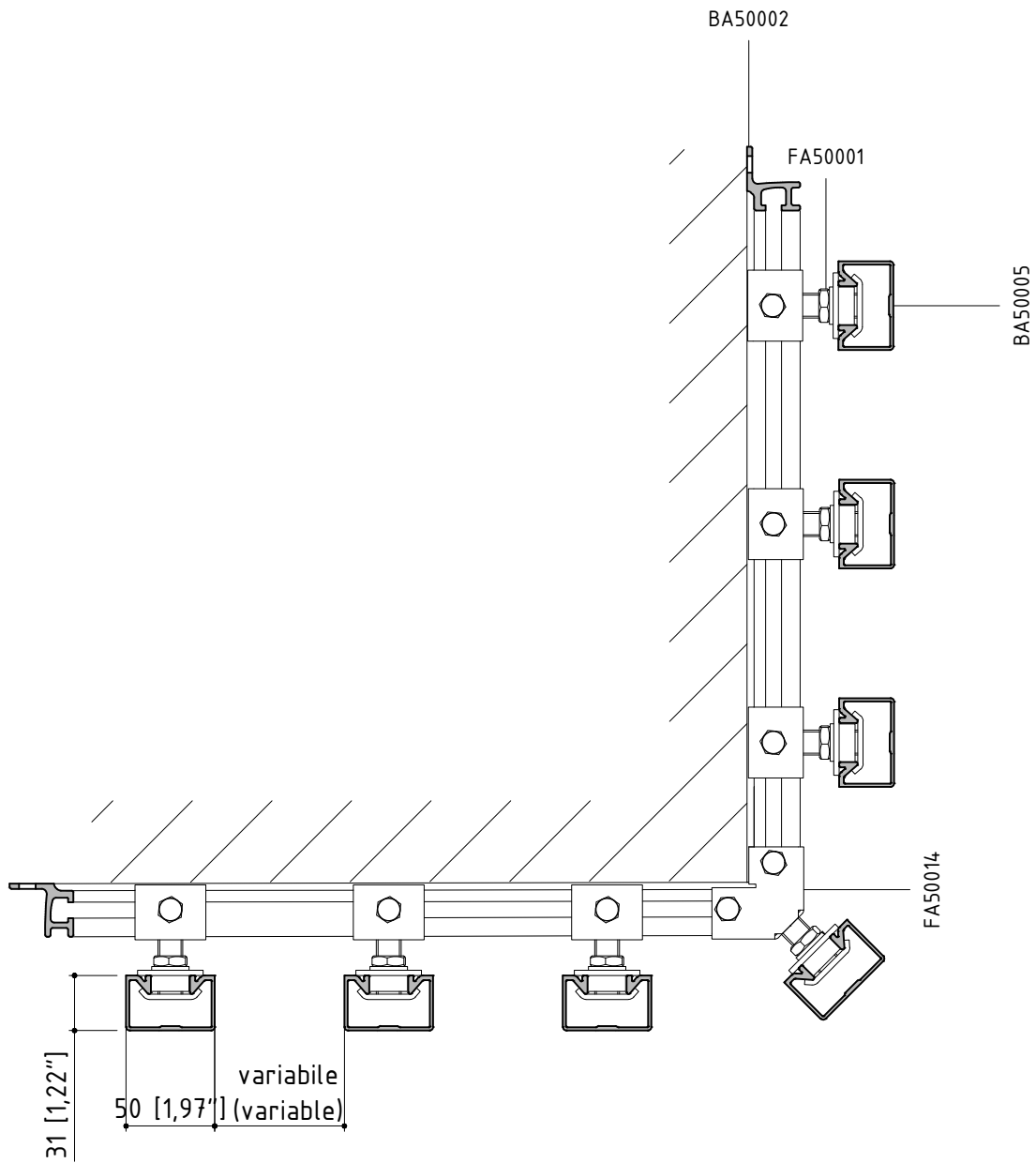


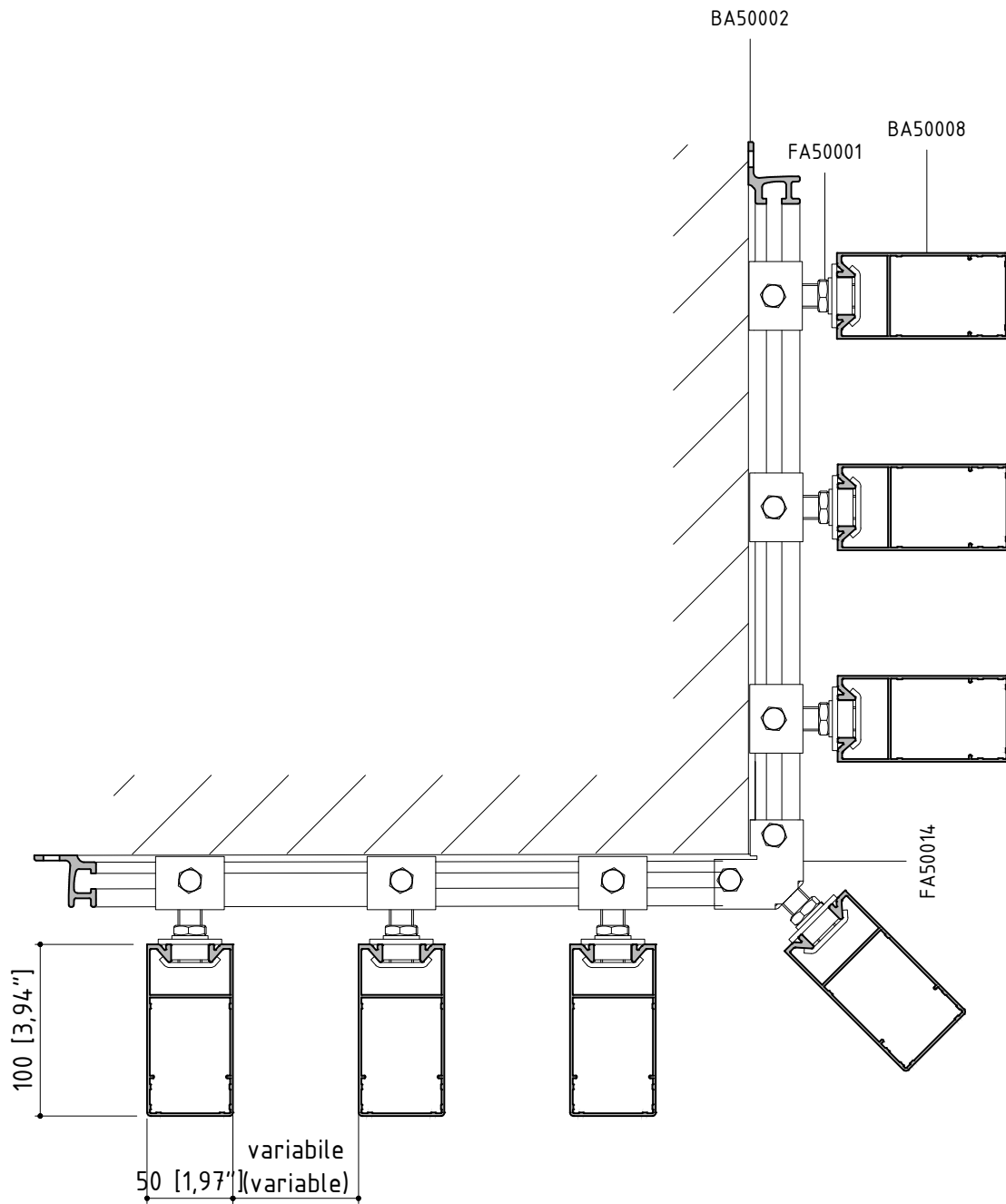


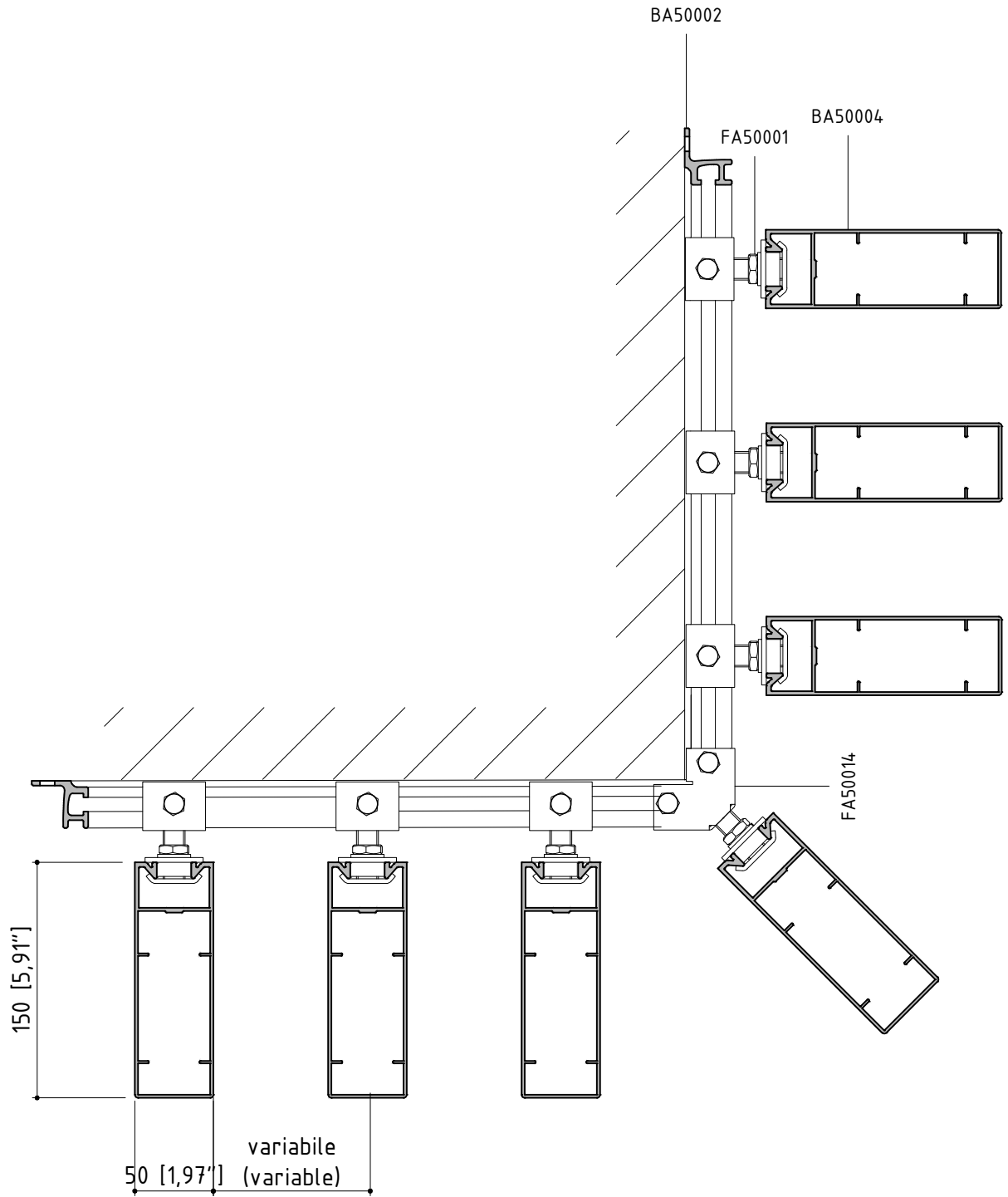


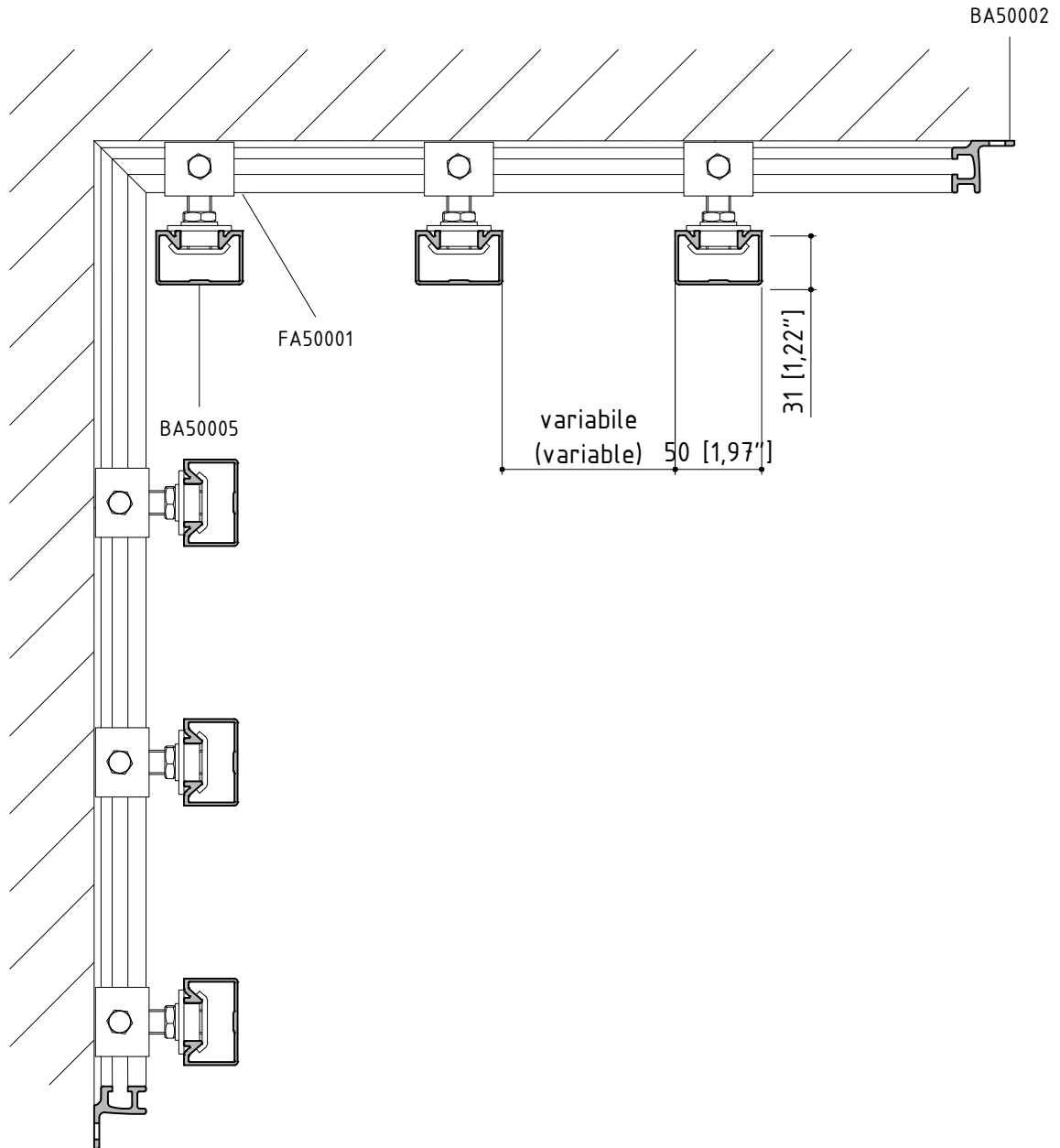


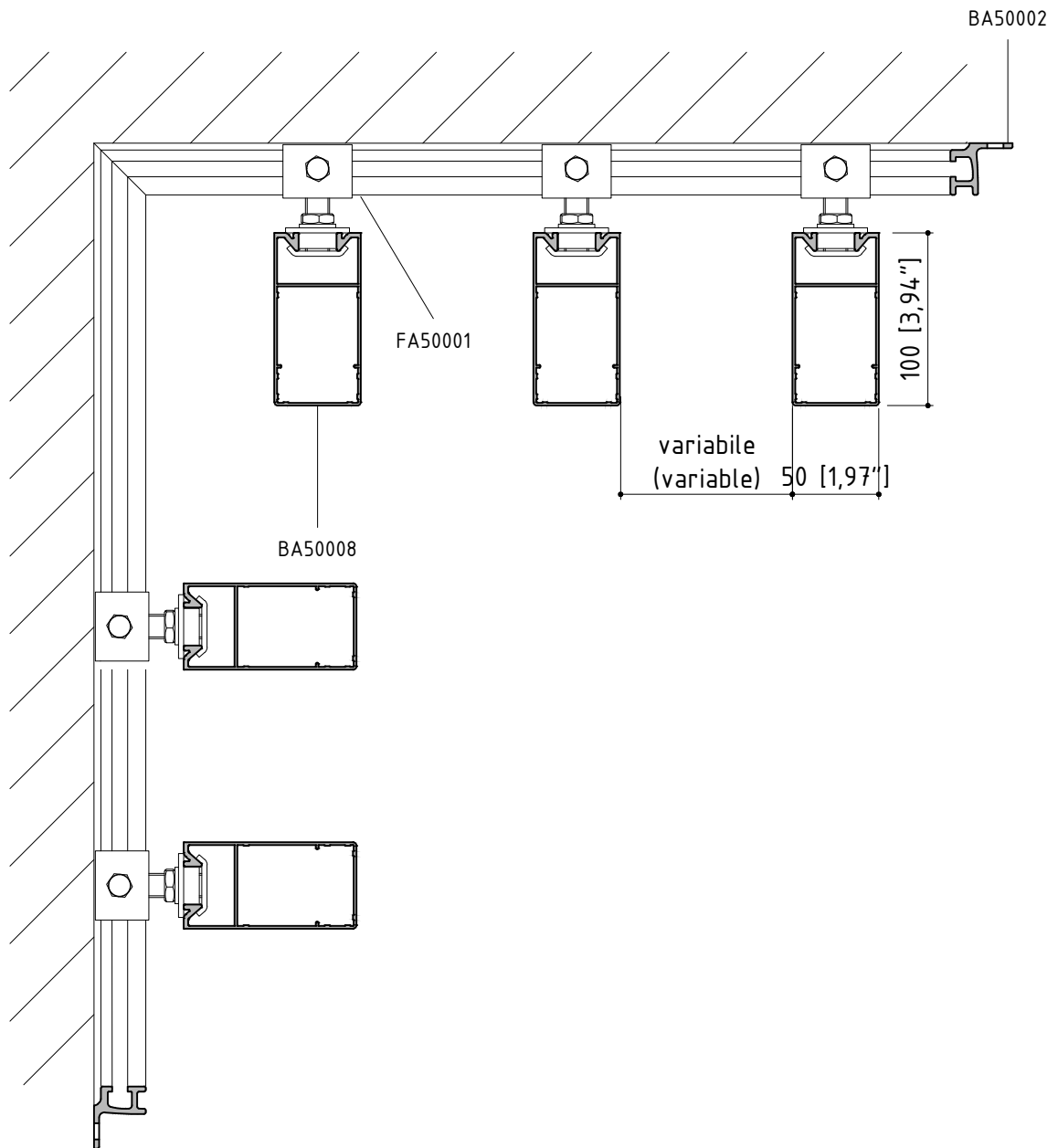


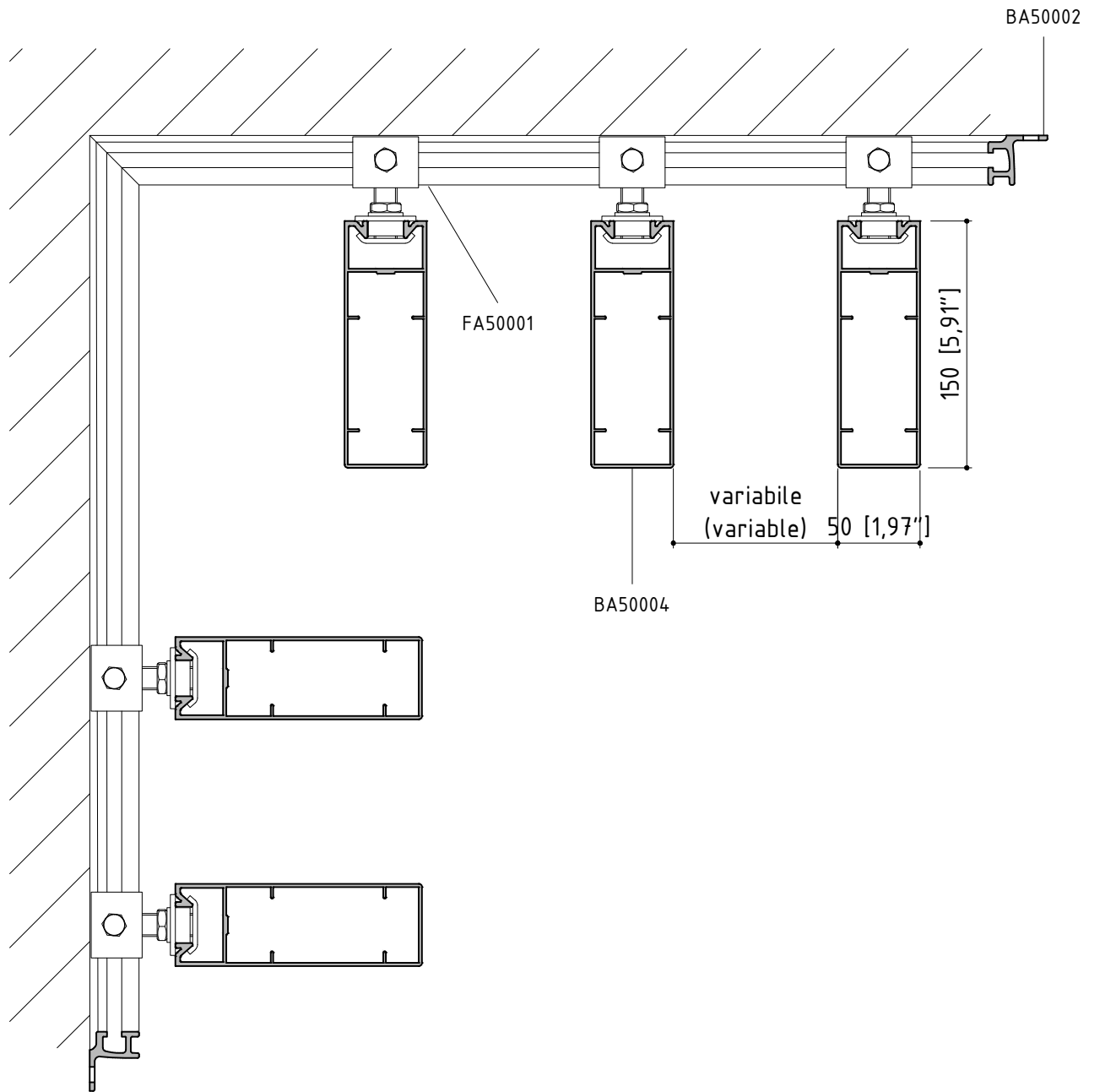


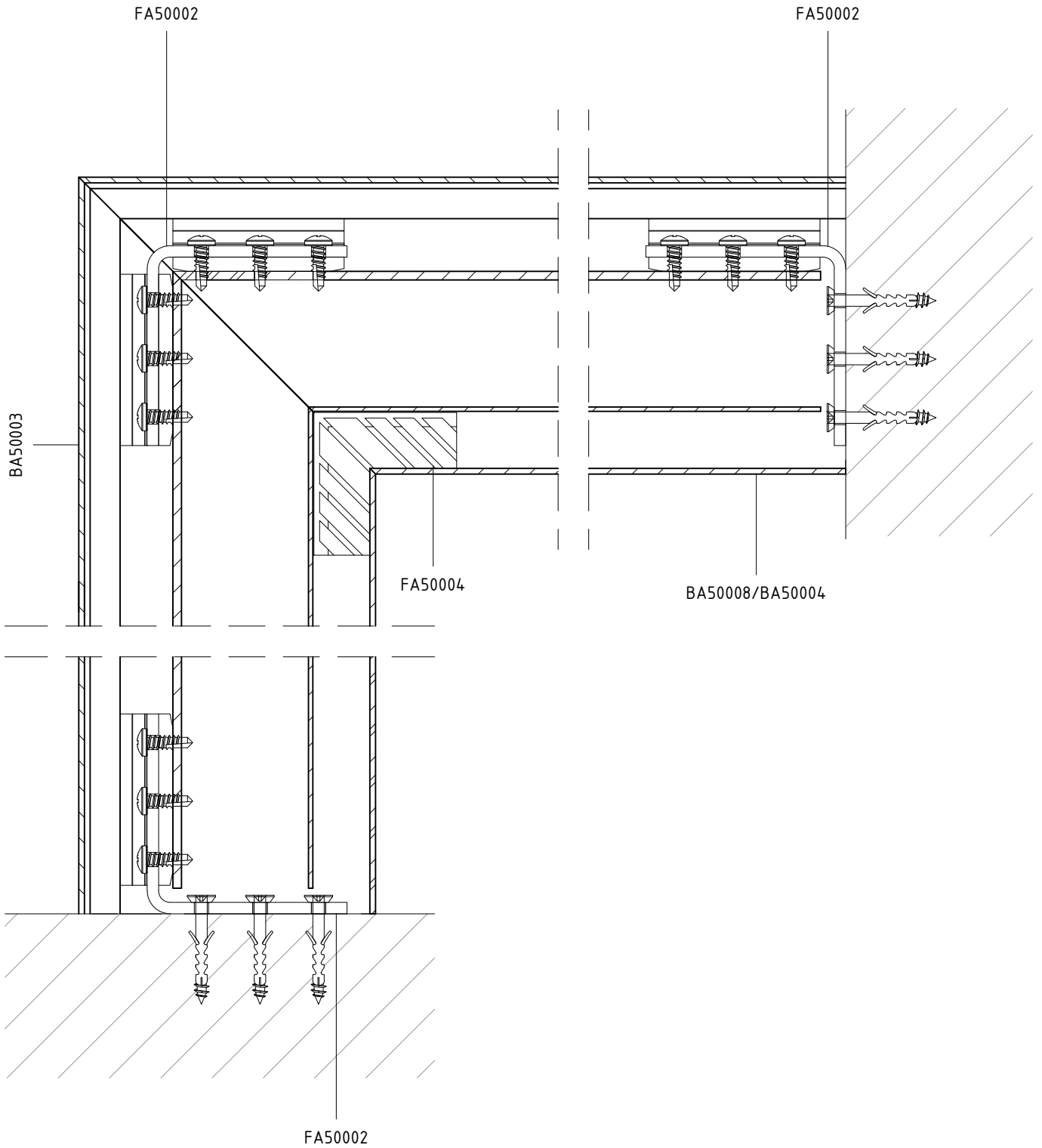




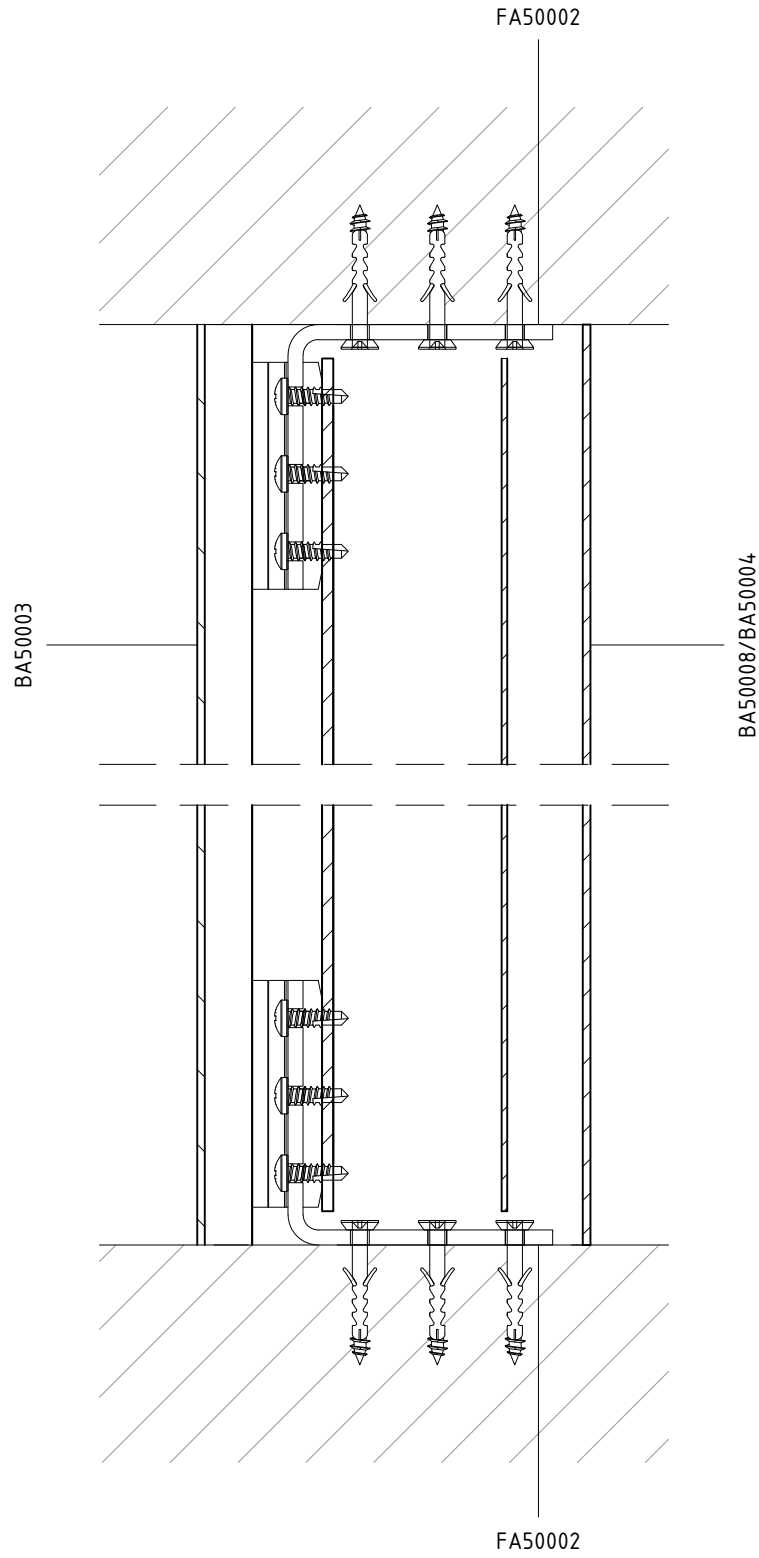




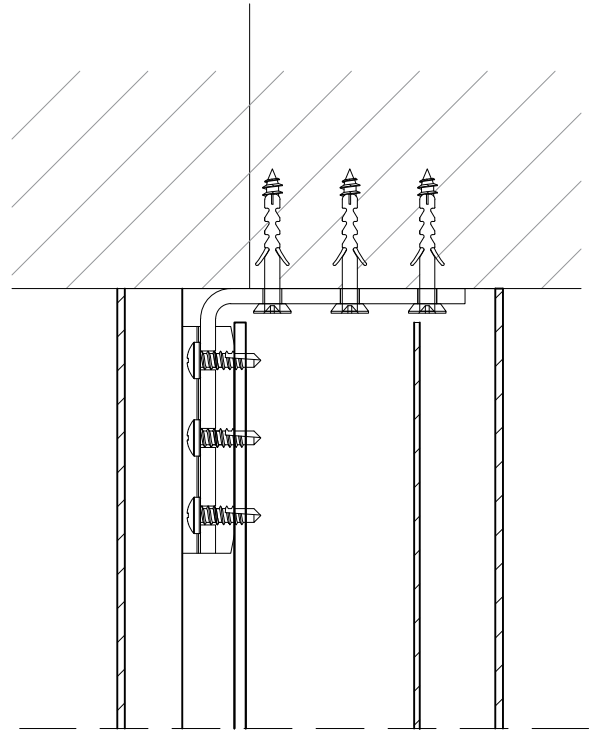








FA50002

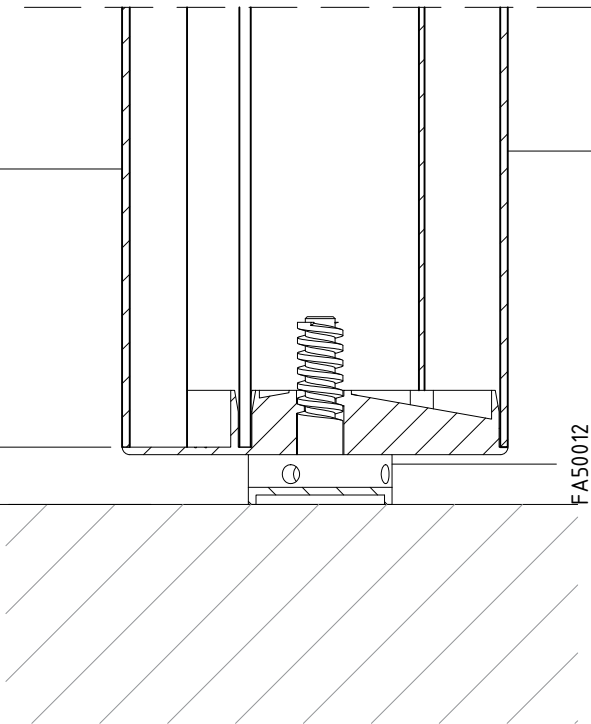


BA50003

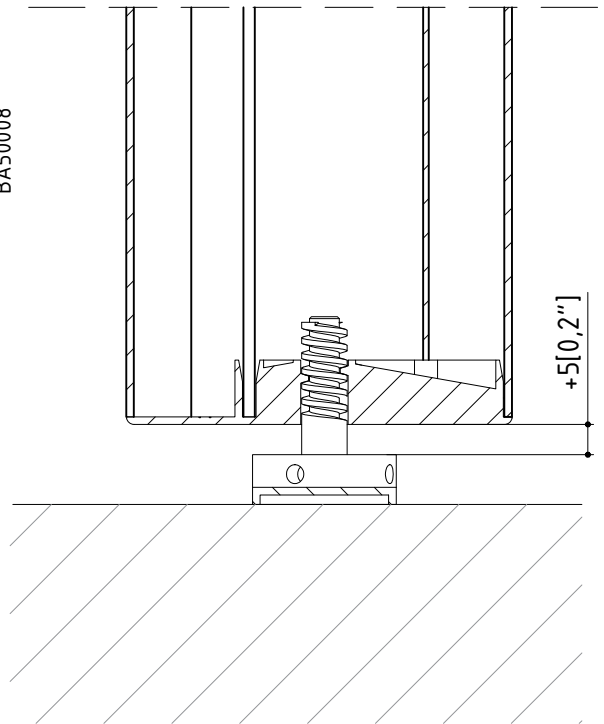
BA50008

15 [0,60"]

FA50012

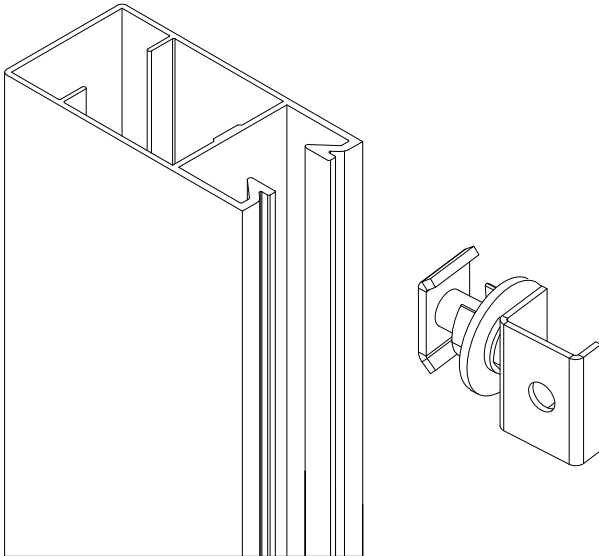


+5 [0,2"]



Montaggio staffa FA50001 (FA50001 bracket mounting)

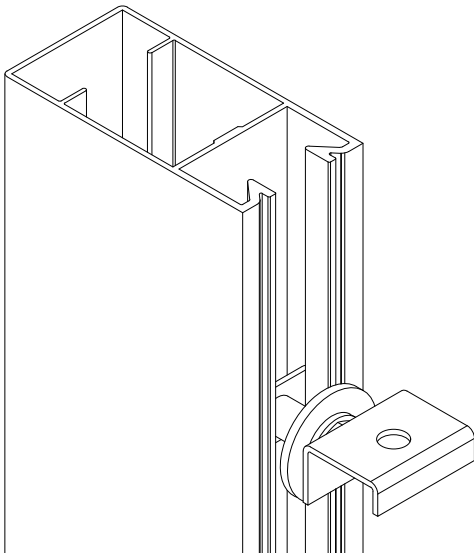
1



Inserire la staffa nella stecca.

*Introduce the bracket into the batten.*

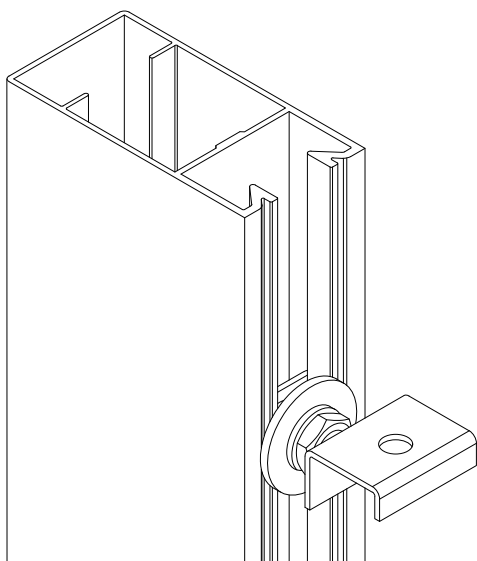
2



Ruotare la staffa fino ad agganciare la testa a forma di ancora alle cuspidi della stecca.

*Rotate the bracket until the anchor-shaped head is attached to the splint cusps.*

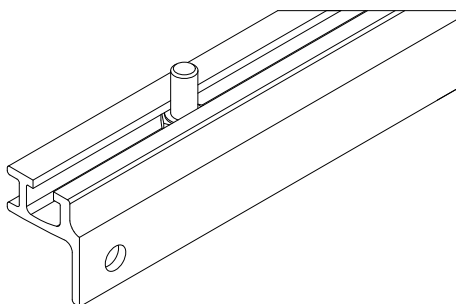
3



Stringere il dado M12 con la chiave da 19 mm per fissare la staffa alla stecca. Usare frenafili ad alta resistenza.

*Tighten the M12 nut with the  $\frac{3}{4}$ " mm wrench to fix the batten to the bracket. Use high strength threadlocker.*

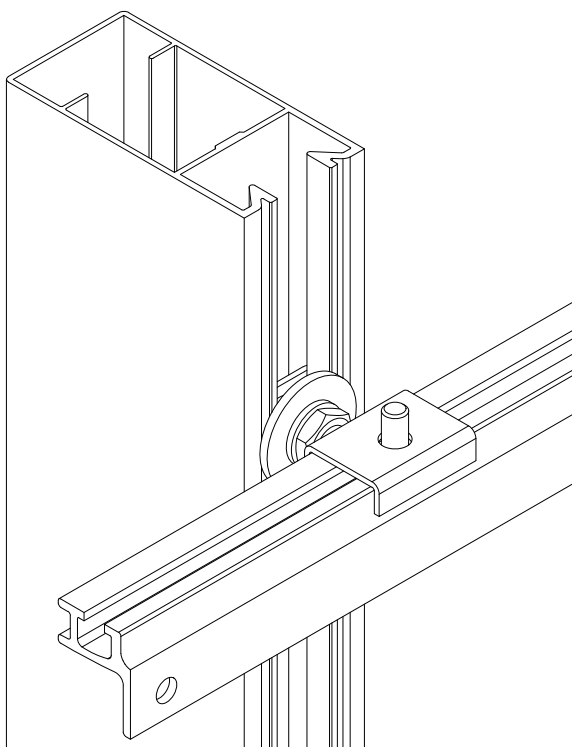
4



Inserire il bullone a testa esagonale M8 fornito in dotazione nella cava del longherone.

*Insert the M8 hexagonal head bolt supplied in the support profile seat.*

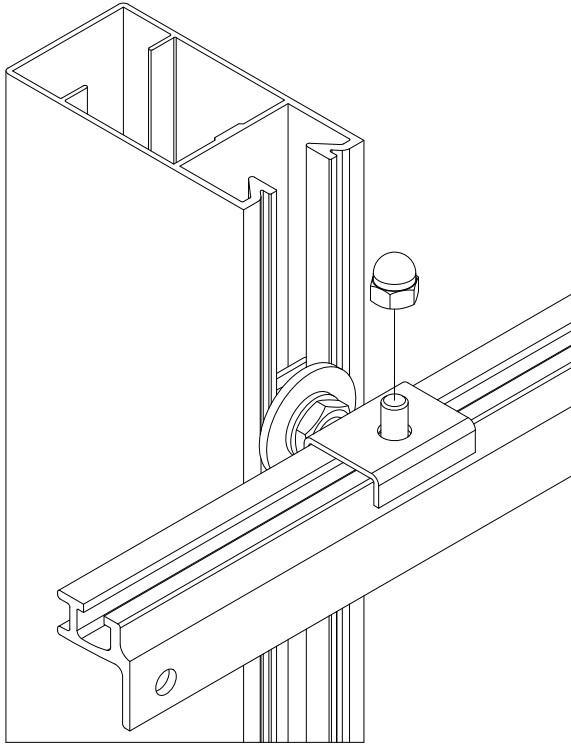
5



Appendere la stecca centrando il foro della staffa con il bullone inserito nel longherone.

*Hang the batten by centering the hole of the bracket with the bolt inserted in the support profile.*

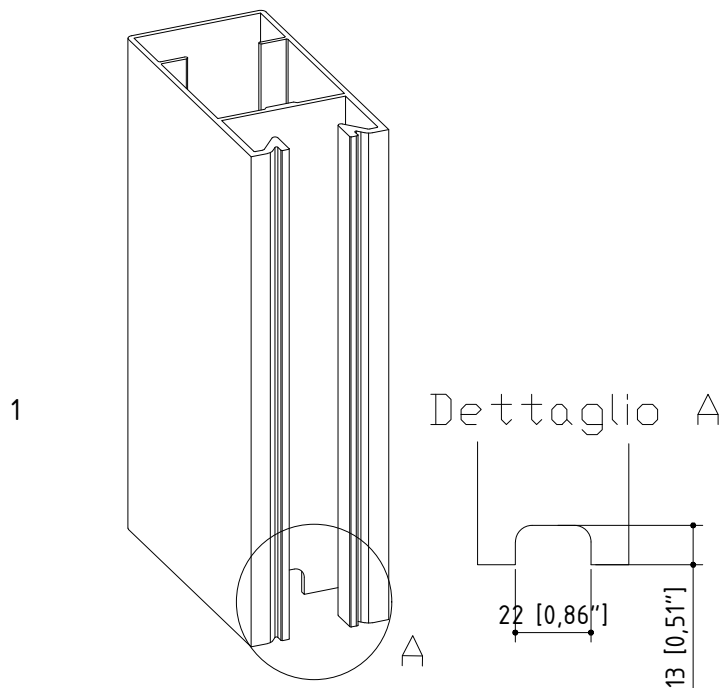
6



Serrare il dado M8 con la chiave da 13 mm per fissare la staffa al longherone. Usare frenafili ad alta resistenza.

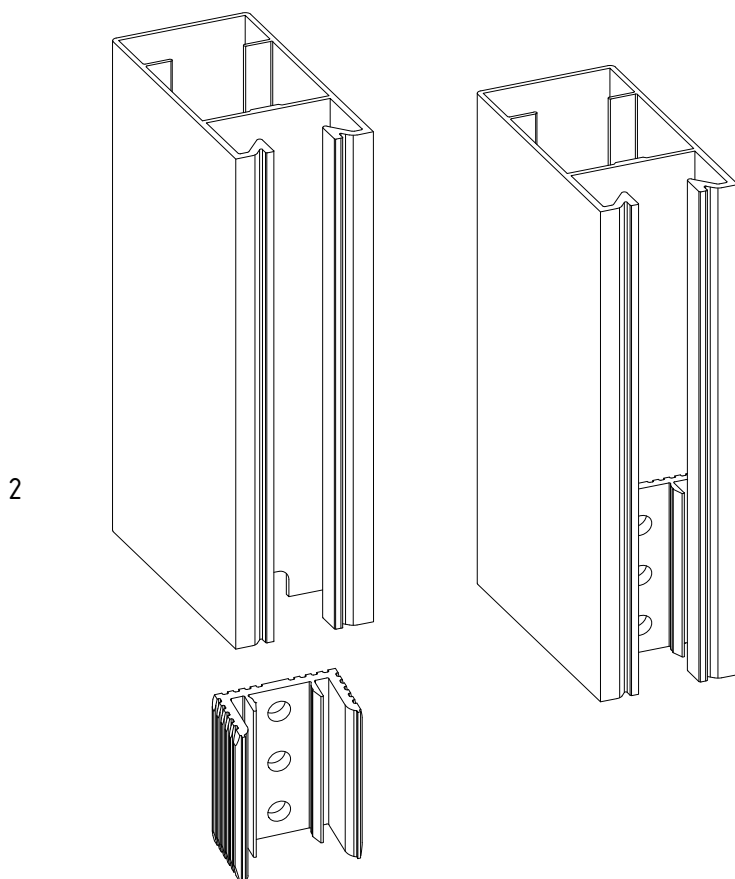
*Tighten the M8 nut with the  $\frac{1}{2}$ " mm wrench to fix the bracket to the support profile.  
Use high strength threadlocker.*

Montaggio staffa angolare FA50002 (FA50002 angle bracket mounting)



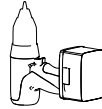
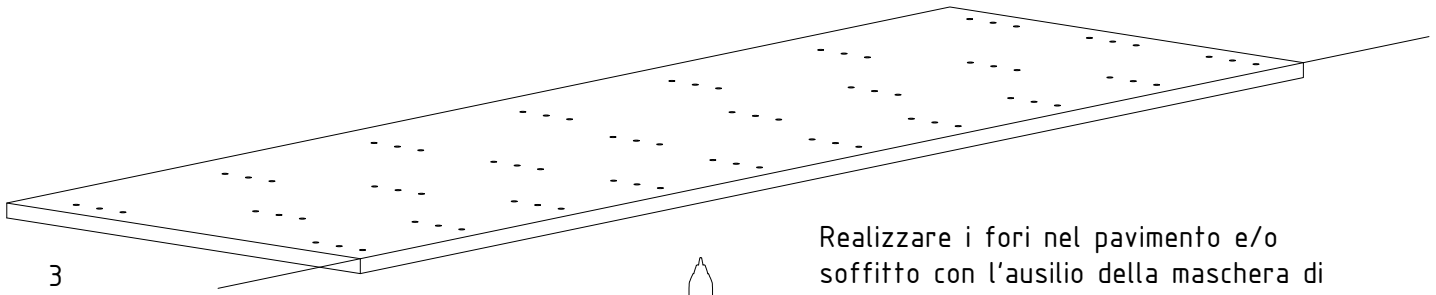
Realizzare uno scasso nella stecca, per alloggiare successivamente l'angolare, simmetrico rispetto alla parete interna, come in figura (se non si effettua lo scasso sulla stecca tra il pavimento e la stessa ci sarà una fessura di 4 mm).

*Make a symmetrical groove into the batten, as in the figure, in order to place the angle bracket. Otherwise between the floor and the batten there will be a gap of 0,16".*



Inserire la clip plastica nella stecca.

*Introduce the plastic clip into the batten.*



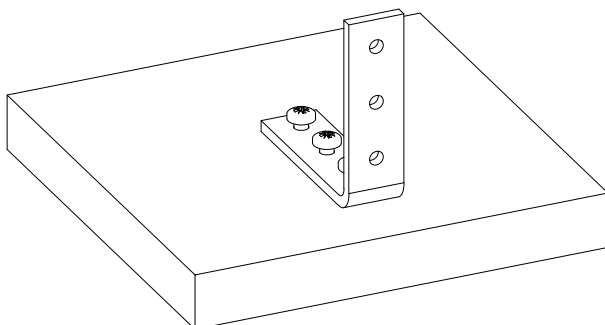
Realizzare i fori nel pavimento e/o soffitto con l'ausilio della maschera di foratura in dotazione.

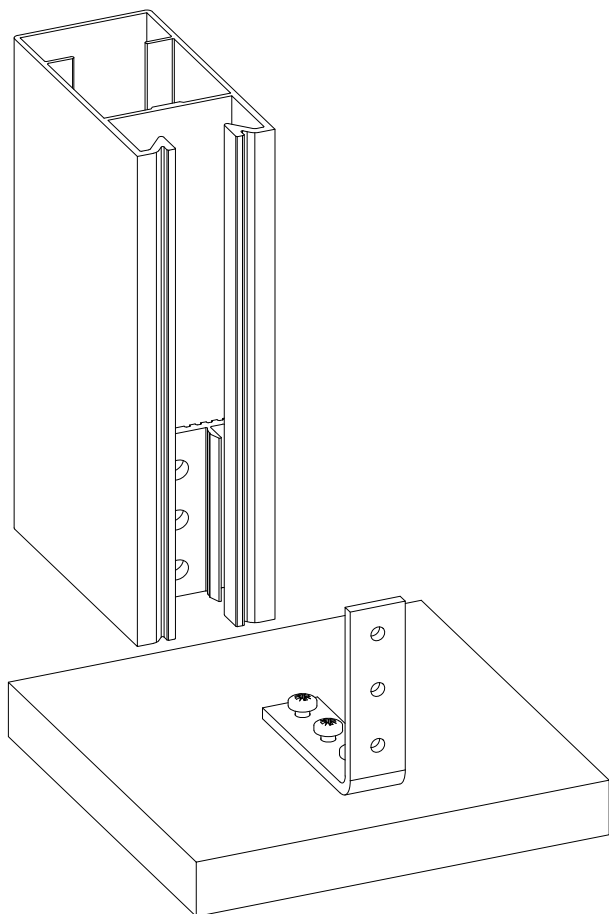
*Make the holes in the floor and/or ceiling using the supplied drilling template.*

4

Fissare l'angolare al pavimento e/o soffitto.

*Fix the angle bracket to the floor and/or ceiling.*

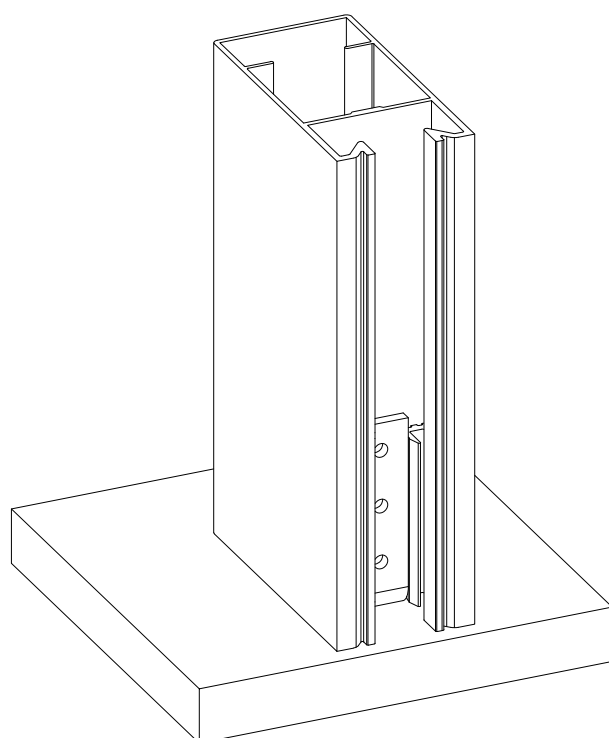




Avvicinare la stecca alloggiando l'angolare nella sede della clip.

*Approach the batten placing the angle bracket into the plastic clip seat.*

5

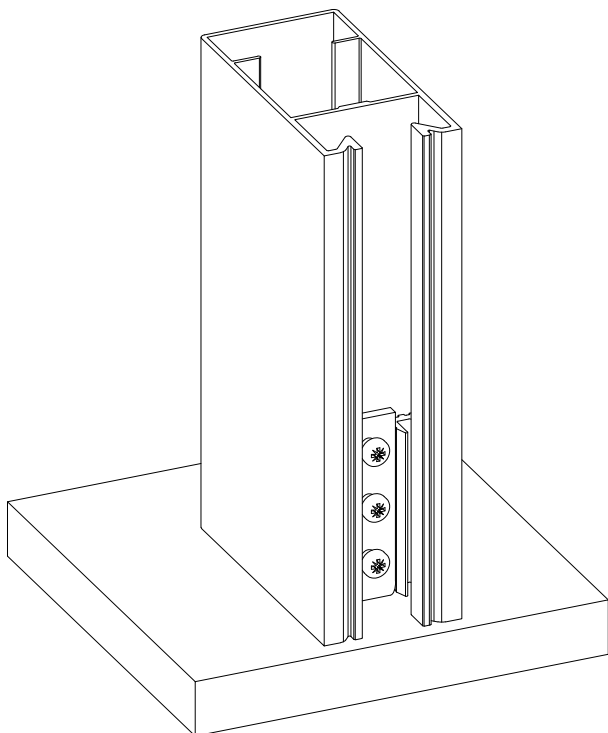


Effettuare i fori sulla stecca con la punta da 4,2 mm.

*Drill the the batten with the 4,2 mm round tip.*



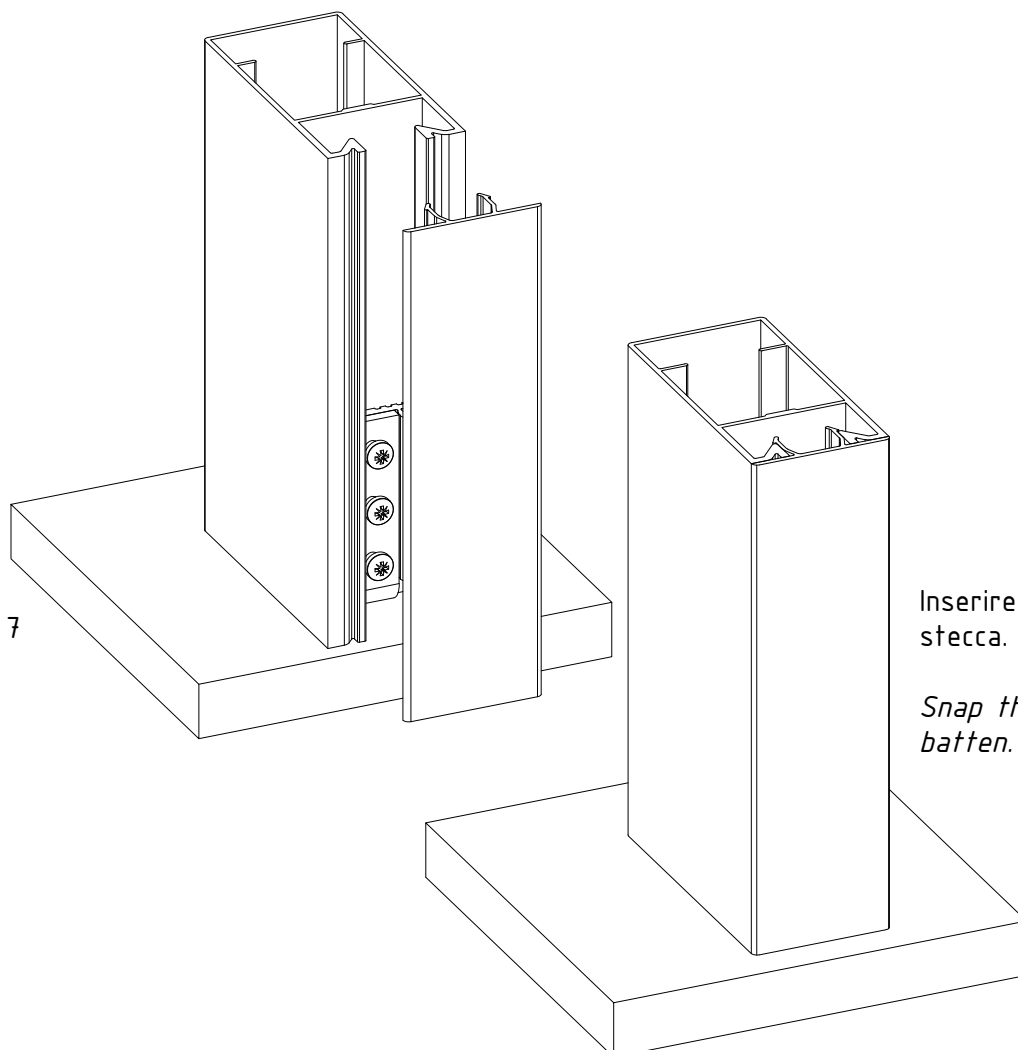
6



Fissare l'angolare con le viti autofilettanti in dotazione.

*Fix the angle bracket to the batten with the supplied self-tapping screws.*

7

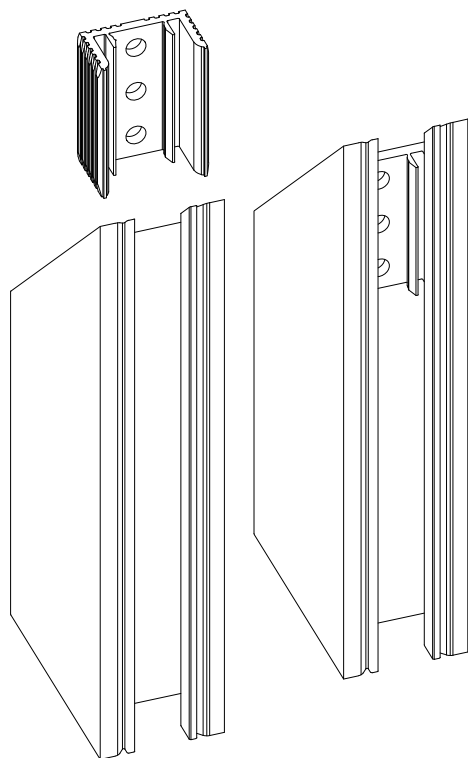


Inserire la cover a scatto sulla stecca.

*Snap the cover on the batten.*

Montaggio staffa angolare FA50002 e squadretta di allineamento FA50004  
(FA50002 angle bracket and FA50004 alignment bracket mounting)

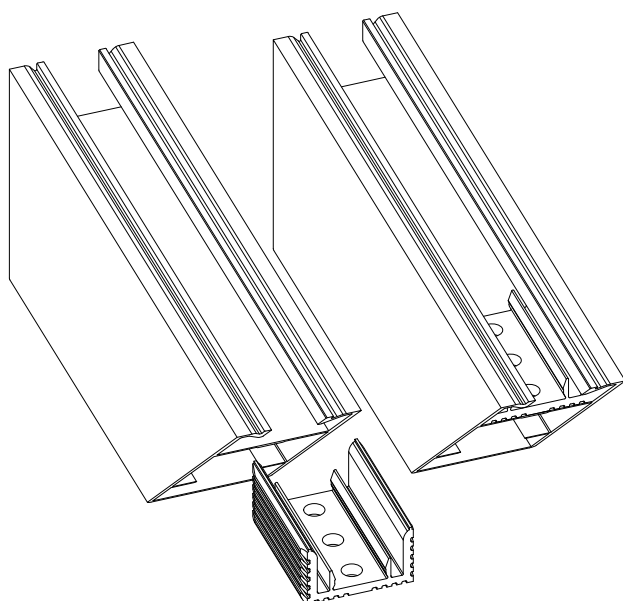
1



Infilare la clip plastica nella prima stecca a filo con il bordo della stessa.

*Introduce the plastic clip into the first batten.*

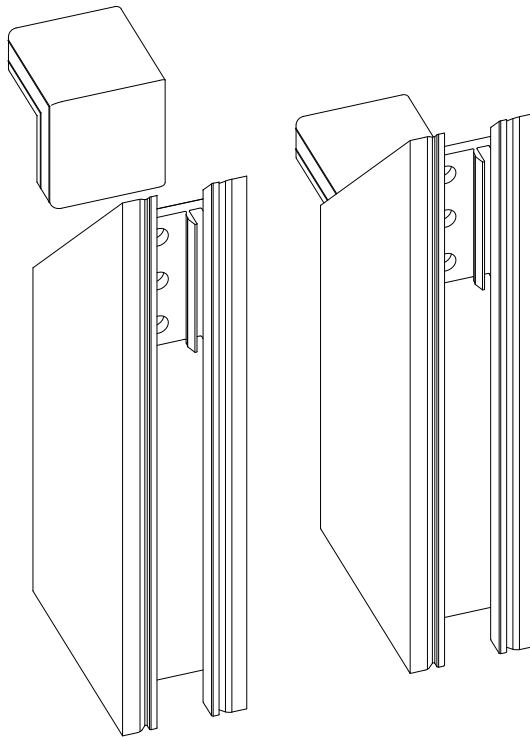
2



Infilare la clip plastica nella seconda stecca a filo con il bordo.

*Introduce the plastic clip into the second batten.*

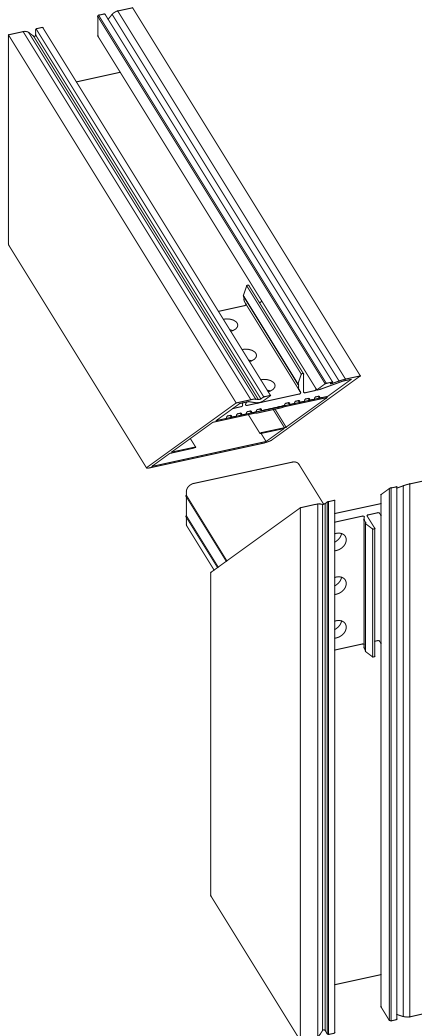
3



Applicare su tutte le superfici di alluminio a taglio vivo il prodotto SurTec 650 RTU e lasciare agire per 5 minuti. Inserire la squadretta di allineamento nella prima stecca.

*Apply SurTec 650 RTU on the raw aluminium surfaces with a brush and let it work for 5 minutes. Introduce the alignment plastic bracket into the first batten.*

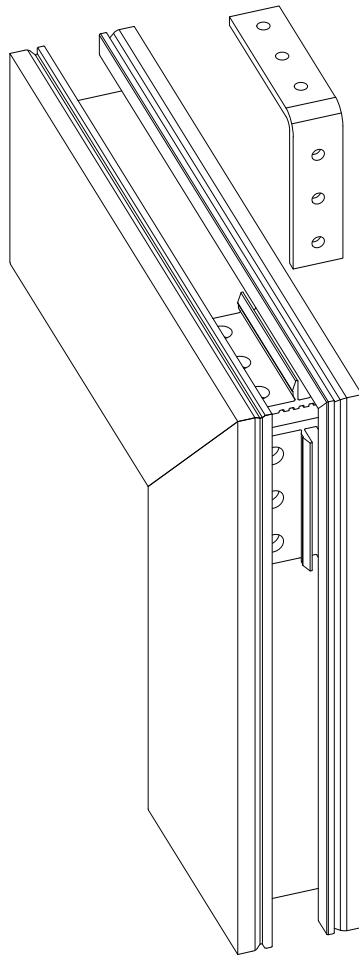
4



Inserire la seconda stecca.

*Couple the second batten.*

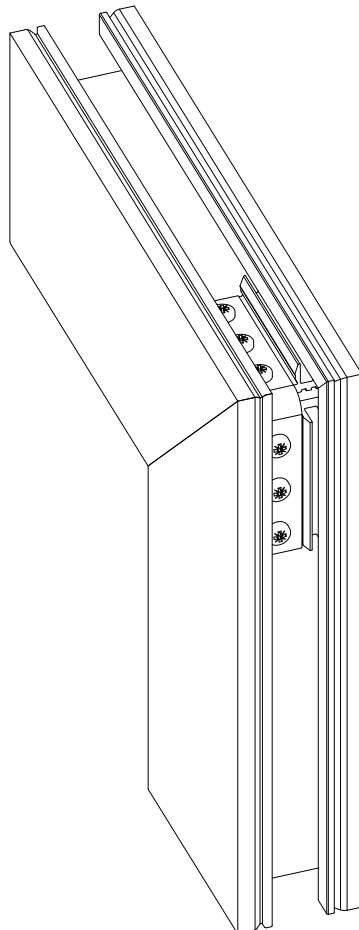
5



Alloggiare l'angolare nelle sedi delle clip plastiche.

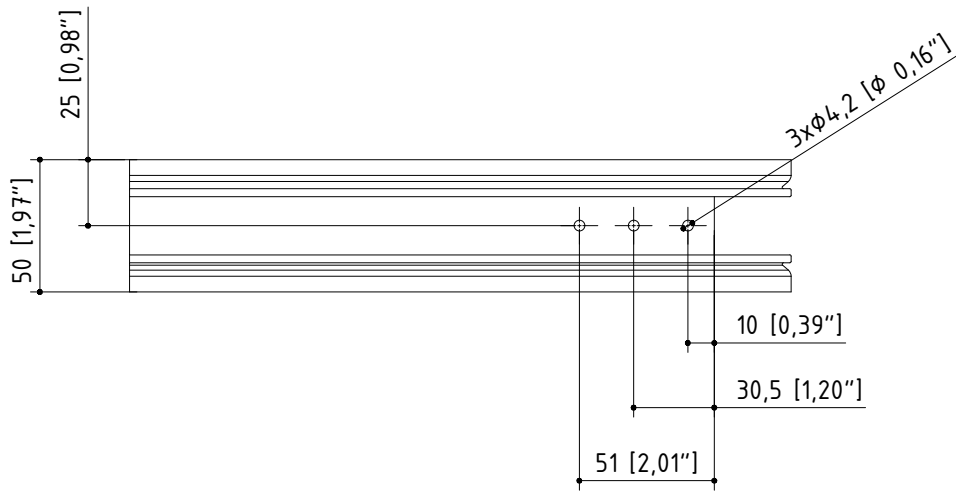
*Place the angle bracket into the plastic clips seats.*

6

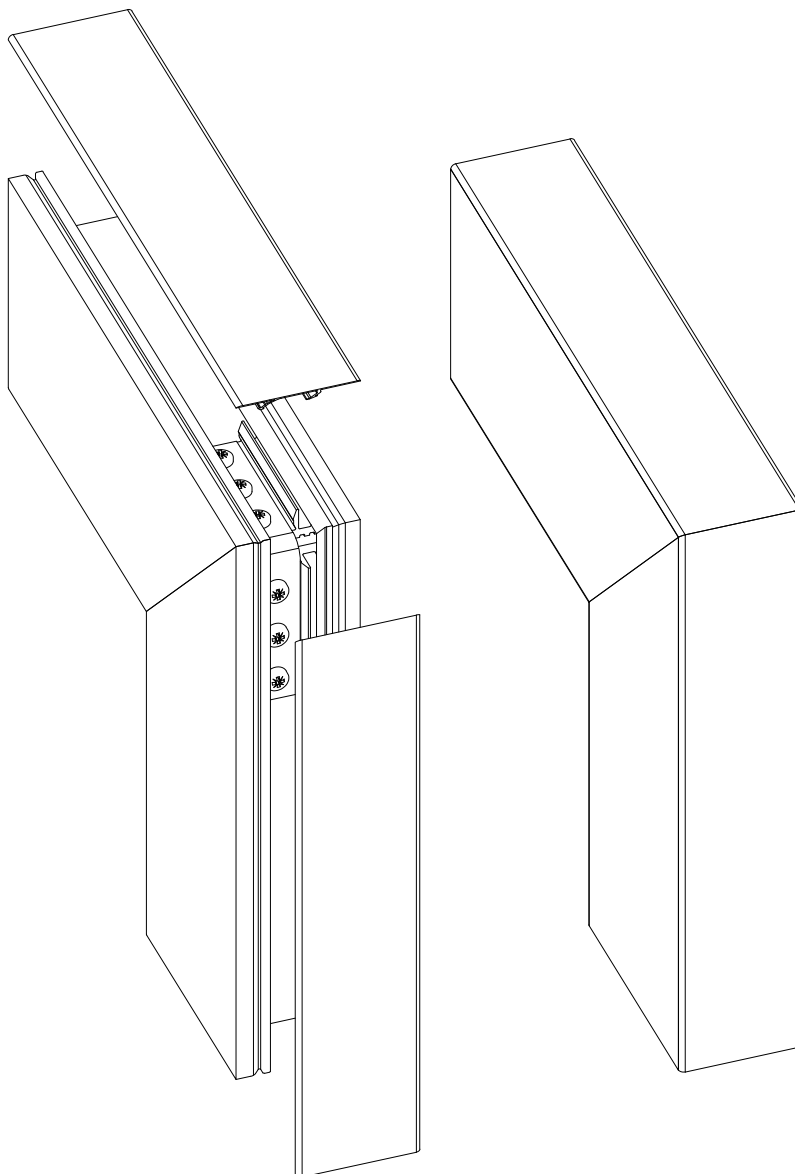


Fissare l'angolare con le viti autofilettanti in dotazione previa foratura con la punta di 4,2 mm, come indicato nell'immagine successiva.

*Fix the angle bracket with the supplied self-tapping screws, after drilling with the 0,16" round tip, as shown in the next figure.*



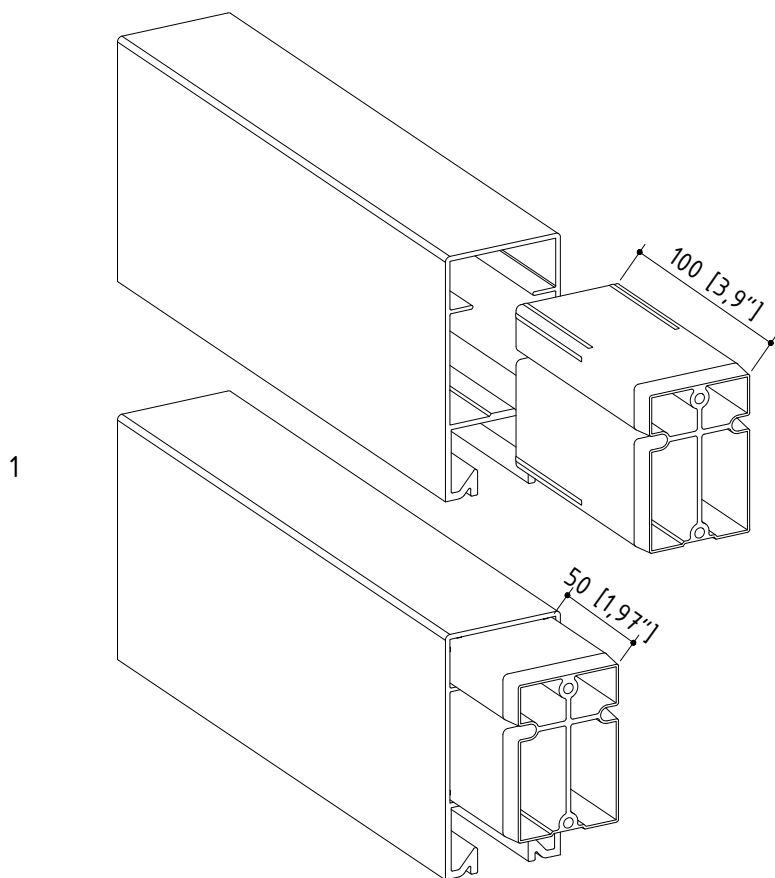
7



Scattare le covers.

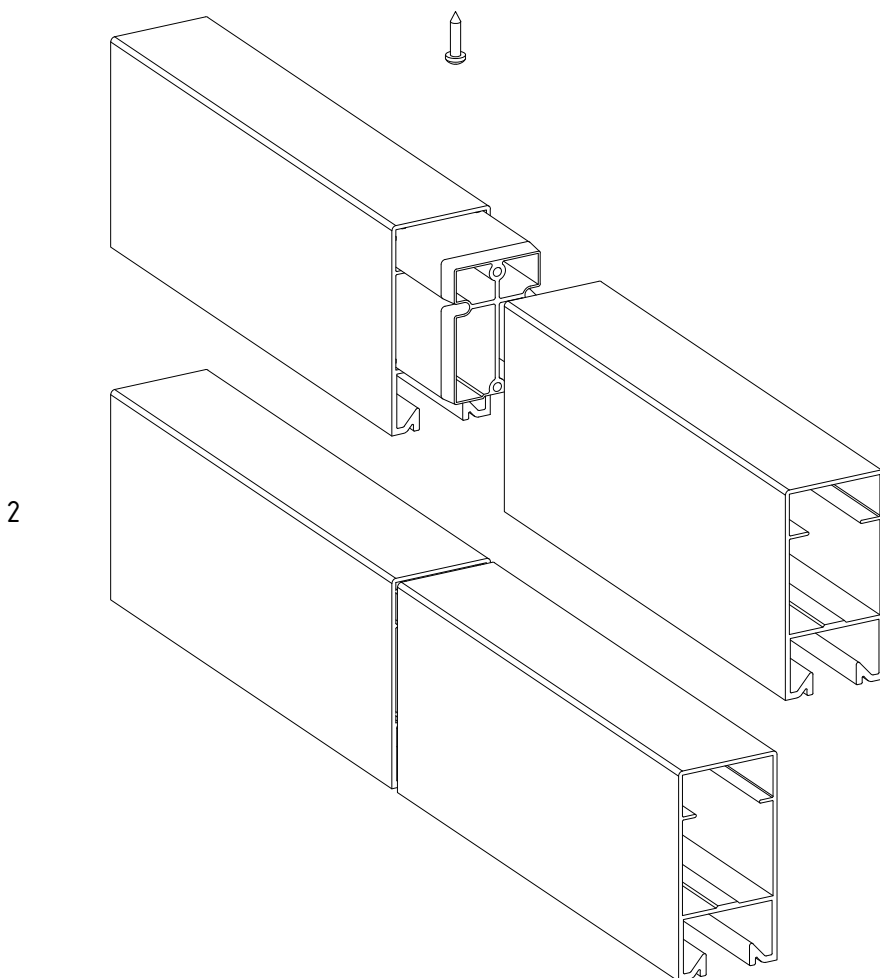
*Snap covers on battens.*

Montaggio giunto lineare stecche FA50005 (FA50005 linear joint mounting)



Inserire il giunto lineare nella prima stecca per una profondità di 50 mm. Fissare il giunto lineare alla stecca con la vite autofilettante in dotazione.

*Introduce the linear joint into the first batten for a depth of 1,97"; then fix the joint to the batten with the supplied self-tapping screws.*



Applicare su tutte le superfici di alluminio a taglio vivo il prodotto SurTec 650 RTU e lasciare agire per 5 minuti. Inserire la seconda stecca.

*Apply SurTec 650 RTU on the raw aluminium surfaces with a brush and let it work for 5 minutes.*

Note importanti per l'installazione: dilatazione e contrazione

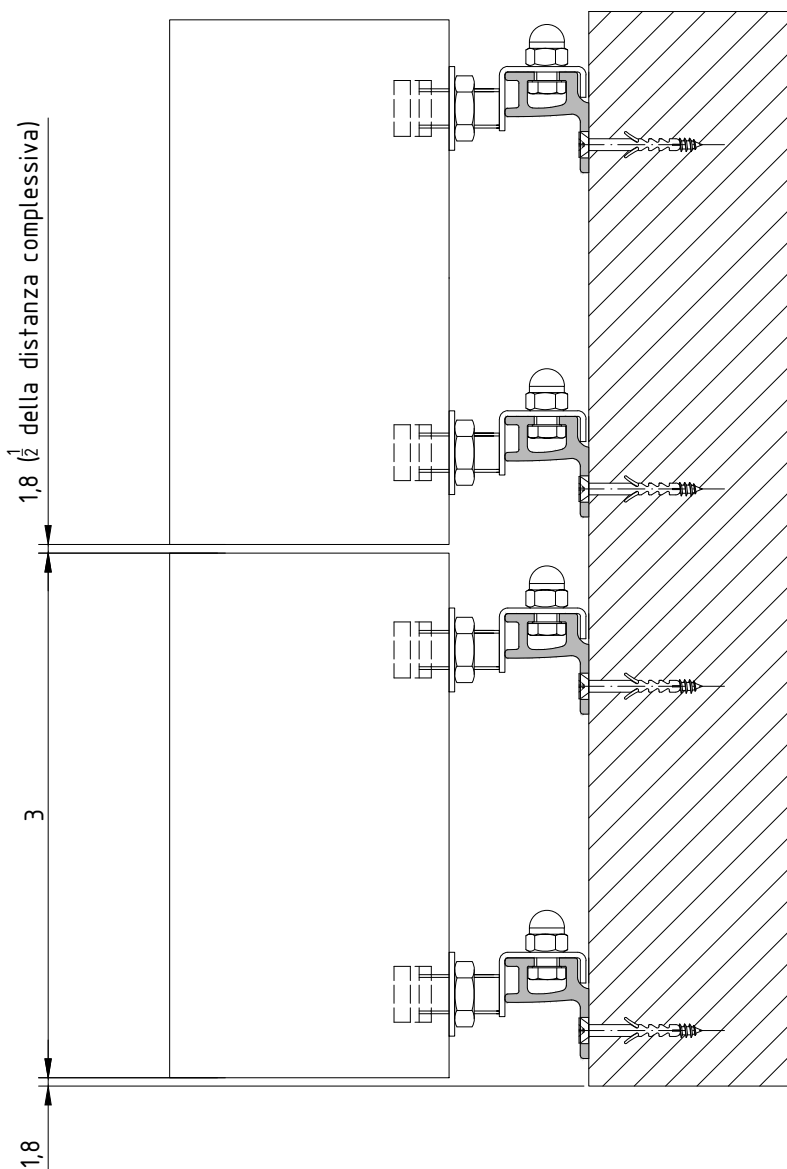
Nella fase di montaggio bisogna tenere in considerazione i fenomeni di dilatazione e contrazione dei profili a causa della variazione di temperatura.

Quindi, tra la parete del rivestimento e la superficie di taglio del profilo e tra due profili consecutivi deve essere garantita una distanza che dipende dalla lunghezza del profilo e dalla temperatura al momento dell'installazione.

La distanza da rispettare per unità di lunghezza della stecca alle varie temperature di esercizio è riportata nella seguente tabella (per lunghezze differenti da 1 m occorre moltiplicare i valori in tabella).

Temperatura ambiente durante l'installazione				
	-10 °C	10°C	20°C	30°C
	Distanza complessiva			
Lunghezza stecca 1 m	2 mm	1,6 mm	1,4 mm	1,2 mm

Ad esempio, se la stecca ha lunghezza 3 m e la temperatura di esercizio è di 30°C, bisognerà garantire una distanza complessiva di 3,6 mm, che ripartita ugualmente fra i due tagli corrisponderà a 1,8 mm.



Important notes for installation: expansion and contraction

The expansion and contraction of the profiles due to the temperature change must be taken into account during installation.

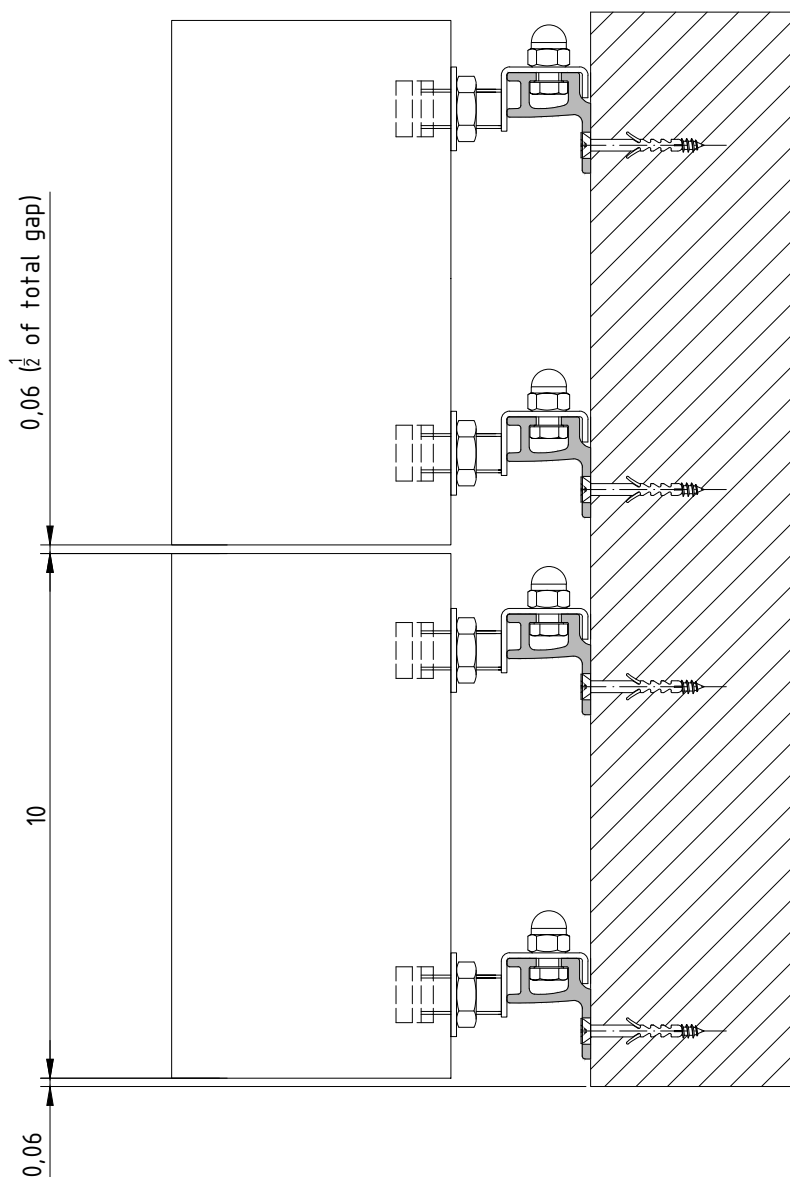
As a consequence, a gap has to be guaranteed between the wall and the cutting surface of the profile and between two consecutive profiles.

This distance depends on the length of the profile and the temperature at the time of installation.

The total gap to be respected per unit of length of the the batten at various operating temperatures is shown in the following table (for lengths different from 3,28 ft it is necessary to multiply the values in the table).

Temperature during installation				
	14 °F	50 °F	68 °F	86 °F
Total gap				
Batten length 3,28 ft	0,08 in	0,06 in	0,05 in	0,04 in

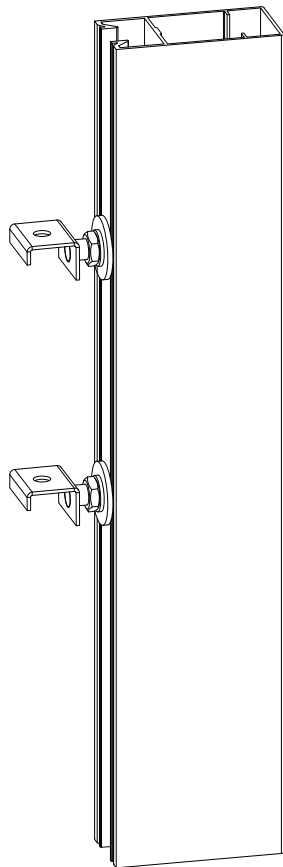
For example, if the batten is 10 ft long and the operating temperature is 86 °F, a total distance of 0,12 in will have to be guaranteed and it will be split equally at each end.





Posa con longheroni (Installation with support profiles)

1

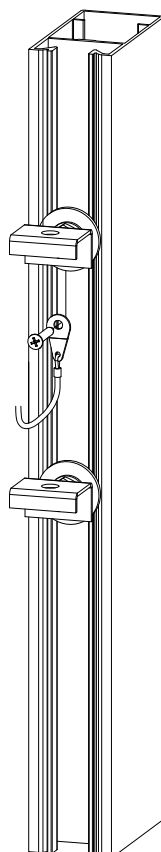


Applicare su tutte le superfici di alluminio a taglio vivo il prodotto SurTec 650 RTU e lasciare agire per 5 minuti.

Applicare le staffe a ciascuna stecca in misura uguale al numero di longheroni. Si consiglia di avvitare solo la prima staffa in alto all'altezza di progetto e di mantenere le successive circa 150 mm più in alto rispetto all'altezza effettiva.

*Apply SurTec 650 RTU on the raw aluminium surfaces with a brush and let it work for 5 minutes. Assemble the inox brackets into the batten in quantity equal to the support profiles number. It is recommended to put only the top bracket at the design height and to keep the next ones about 150 mm higher than the actual height.*

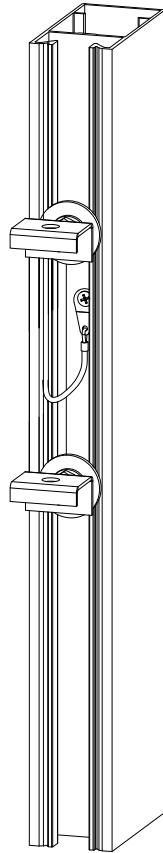
2



Fissare il cavo di sicurezza ad ogni stecca, sotto la staffa più in alto.

*Fix the retaining cable on the batten, under the top bracket.*

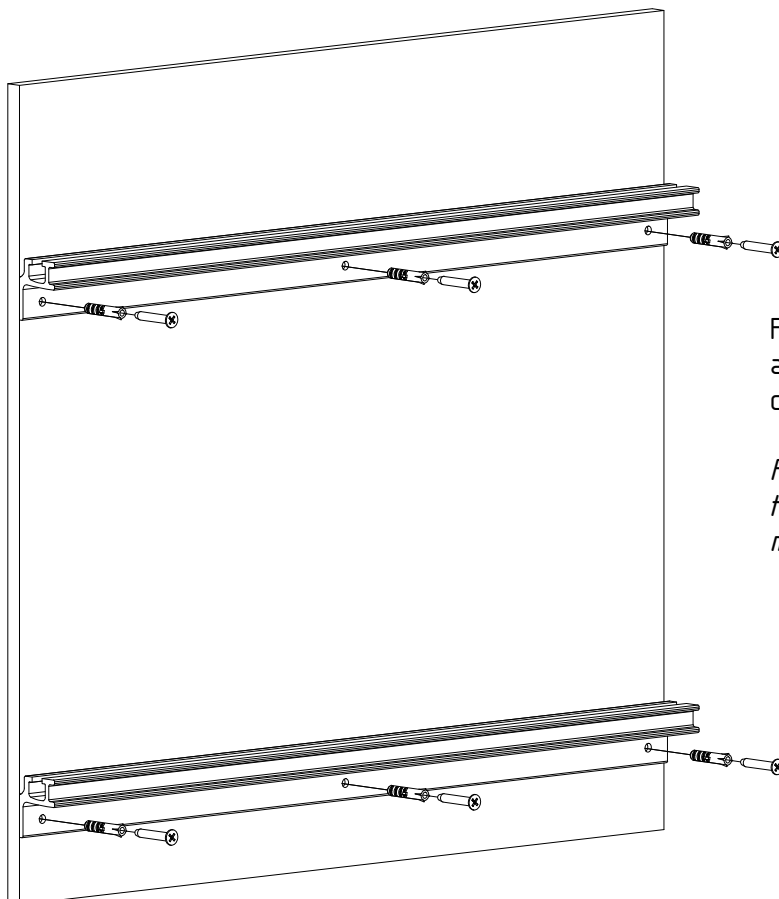
2



Fissare il cavo di sicurezza ad ogni stecca, sotto la staffa più in alto.

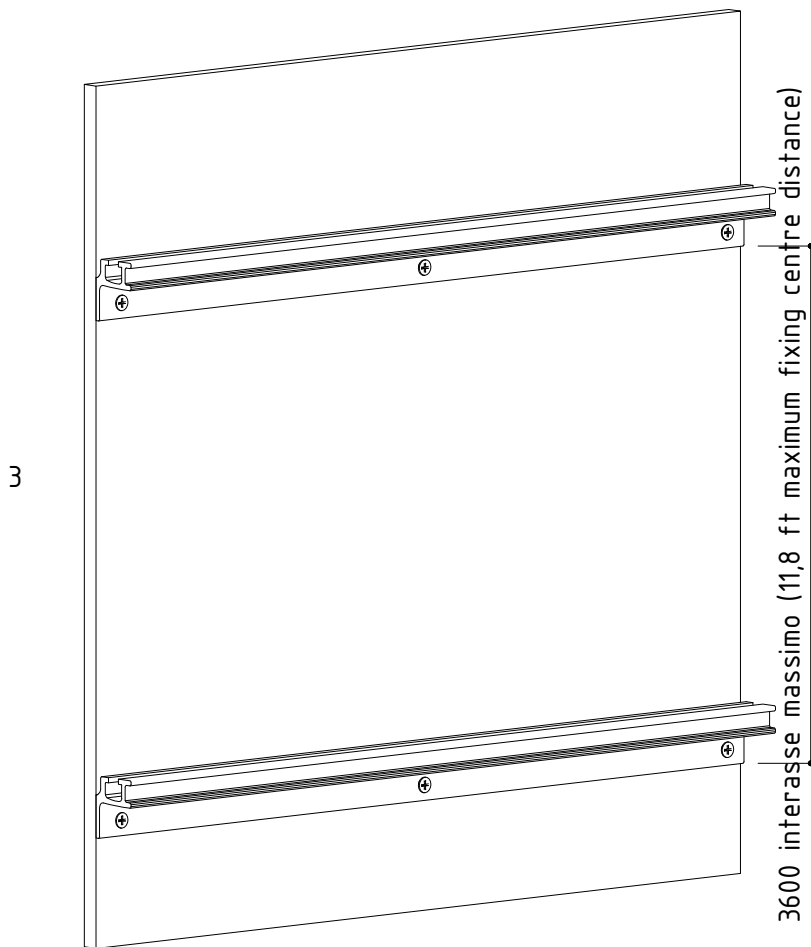
*Fix the retaining cable on the batten, under the top bracket.*

3



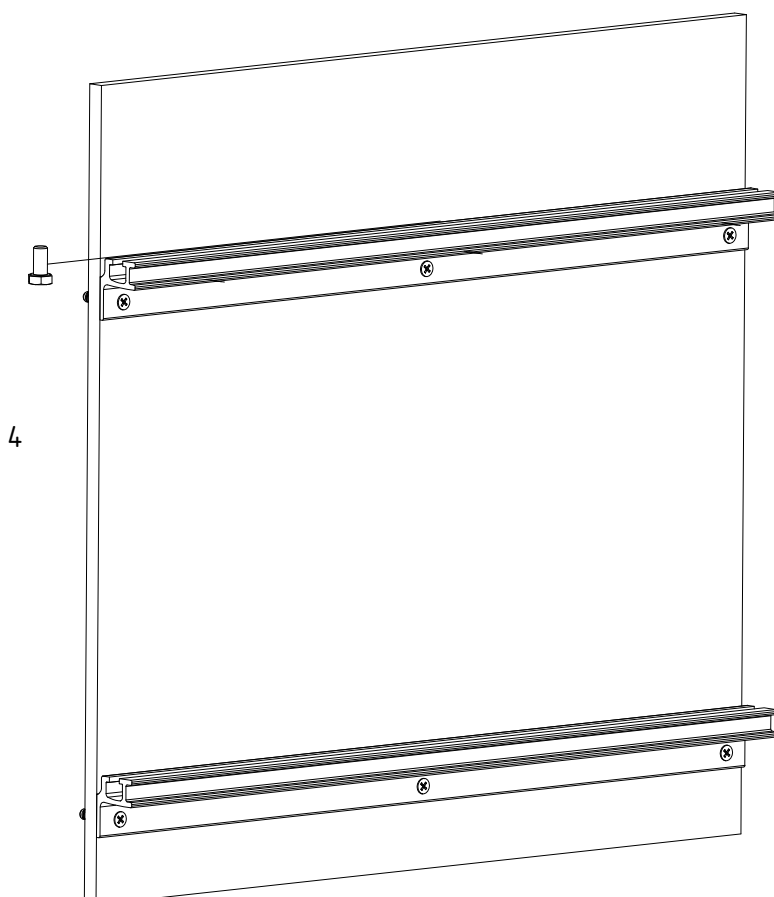
Fissare adeguatamente i longheroni alla parete o sottostruttura, alla distanza massima di 3600 mm.

*Fix properly the support profiles to the wall or substructure, at a maximum distance of 11,8 ft.*



Fissare adeguatamente i longheroni alla parete o sottostruttura, alla distanza massima di 3600 mm.

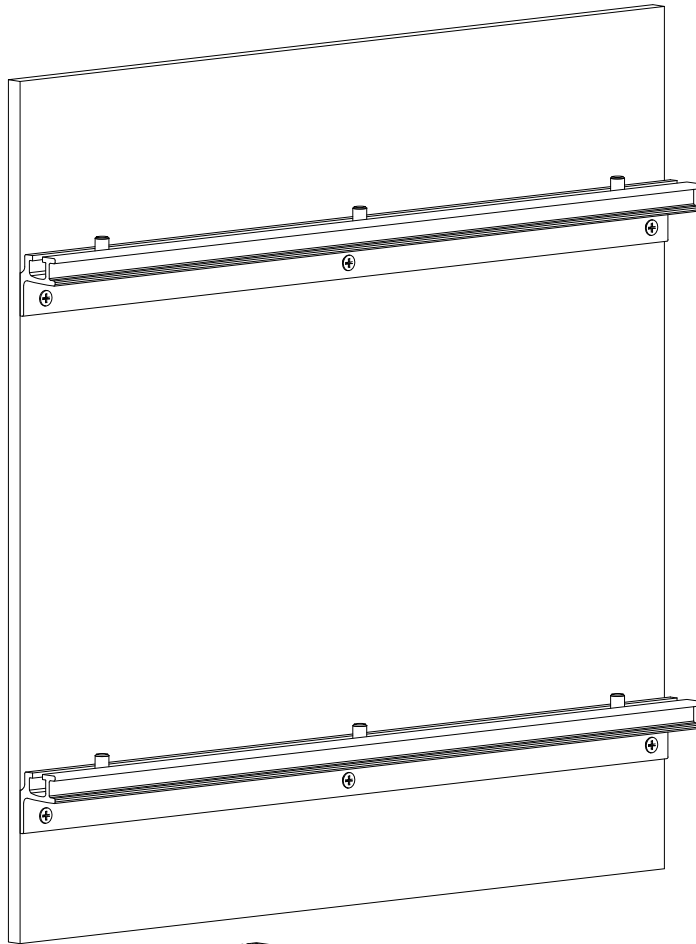
*Fix properly the support profiles to the wall or substructure, at a maximum distance of 11,8 ft.*



Inserire in ciascun longherone i bulloni M8 in dotazione in quantità pari al numero di stecche.

*Introduce the supplied M8 bolts (in quantity equal to the battens number) into the support profile seat.*

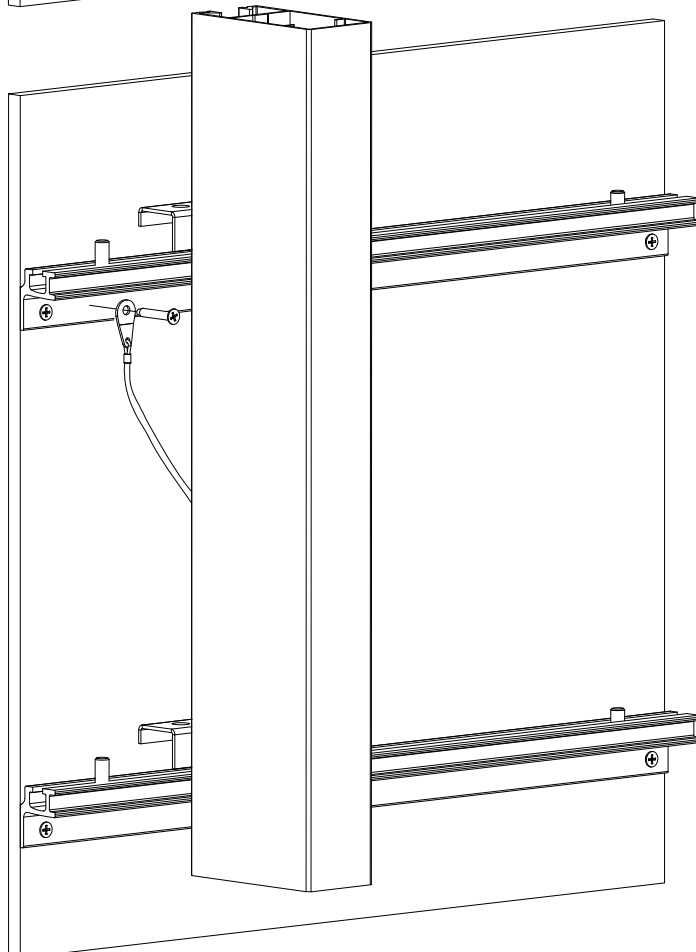
4



Inserire in ciascun longherone i bulloni M8 in dotazione in quantità pari al numero di stecche.

*Introduce the supplied M8 bolts (in quantity equal to the battens number) into the support profile seat.*

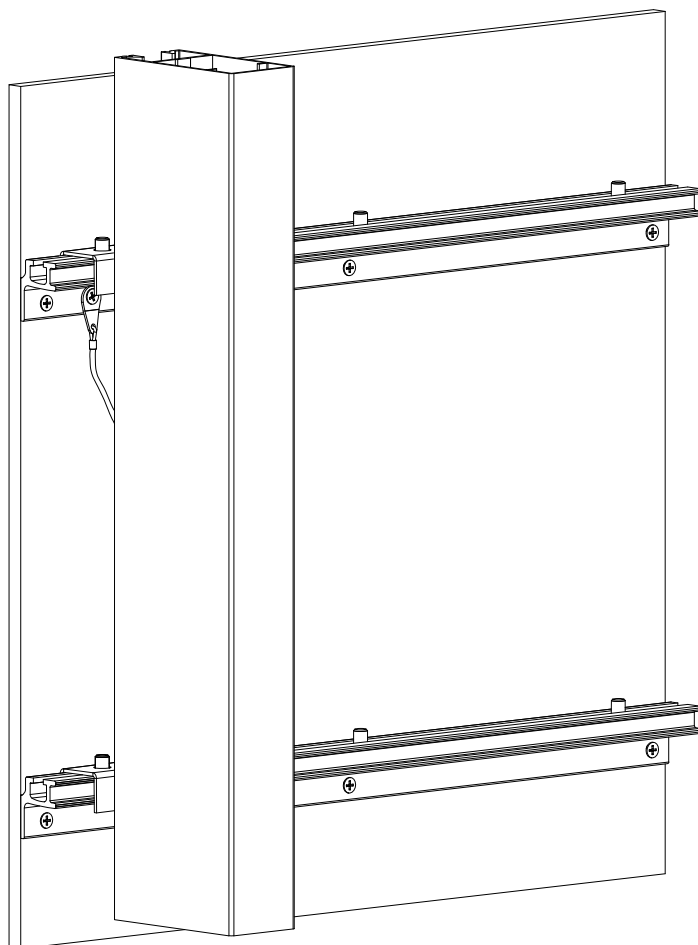
5



Avvicinare la stecca al longherone e fissare il cavo di sicurezza.

*Bring the batten close to the fixing bar and fix the retaining cable.*

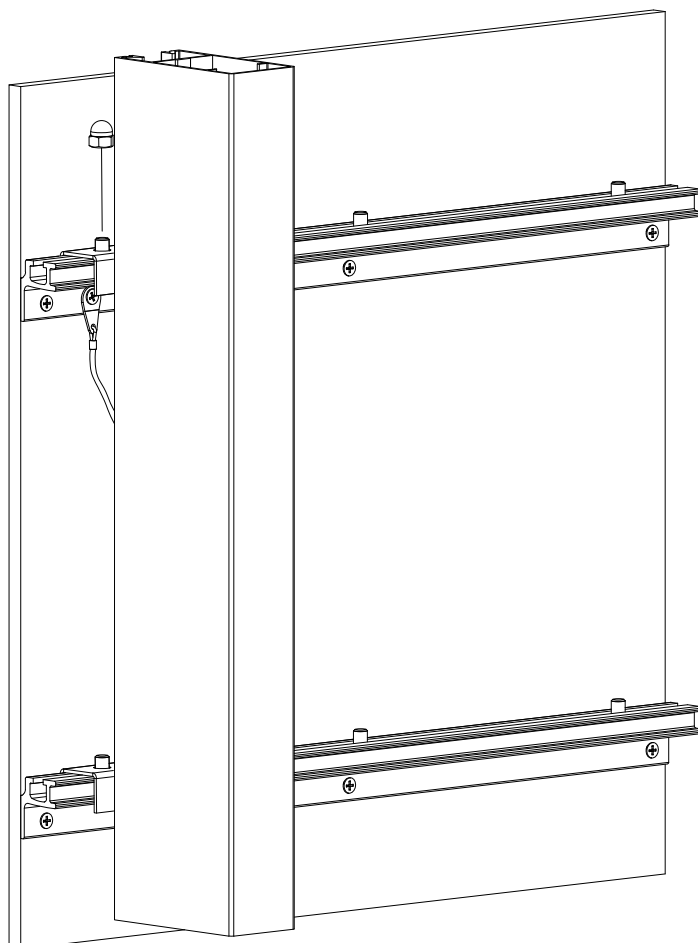
4



Appendere la stecca centrando il foro della staffa con il bullone inserito nel longherone.

*Hang the batten by centering the hole of the bracket with the bolt inserted in the support profile.*

5

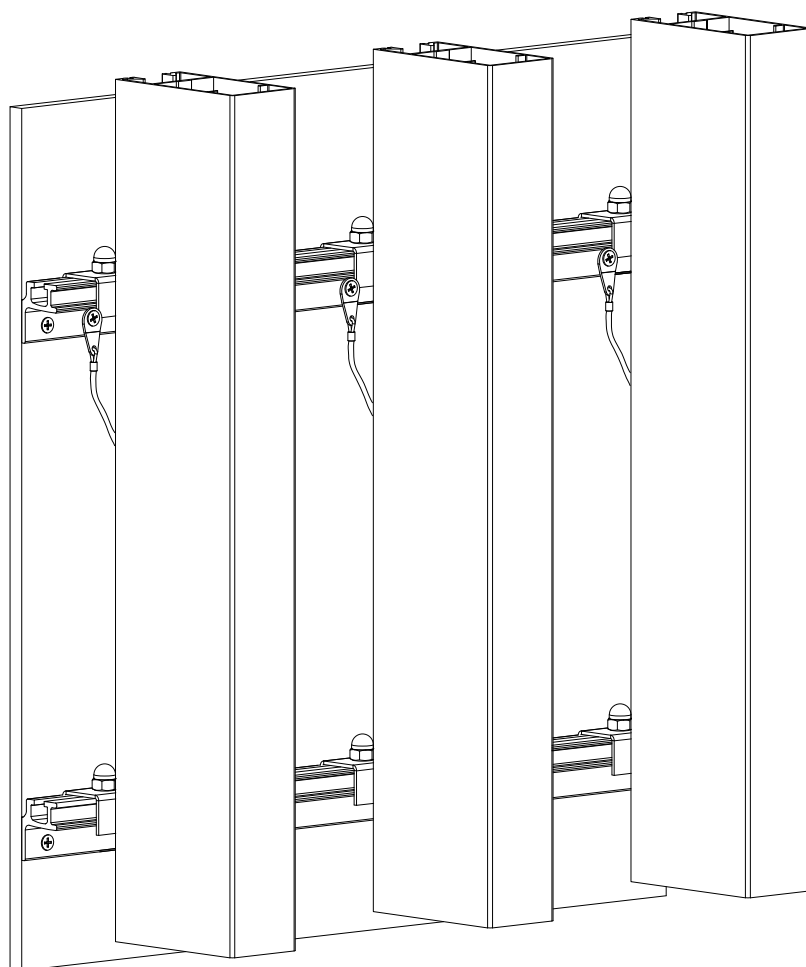


Fissare la staffa al longherone serrando il dado M8 in dotazione con la chiave da 13 mm. Serrare il dado M12 per bloccare la stecca alla staffa con la chiave da 19 mm. Usare il frenafili ad alta resistenza.

*Tighten the M8 nut with the  $\frac{1}{2}$ " wrench.*

*Tighten the M12 nut with the  $\frac{3}{4}$ " wrench to fix the bracket to the batten.*

*Use high strength threadlocker.*



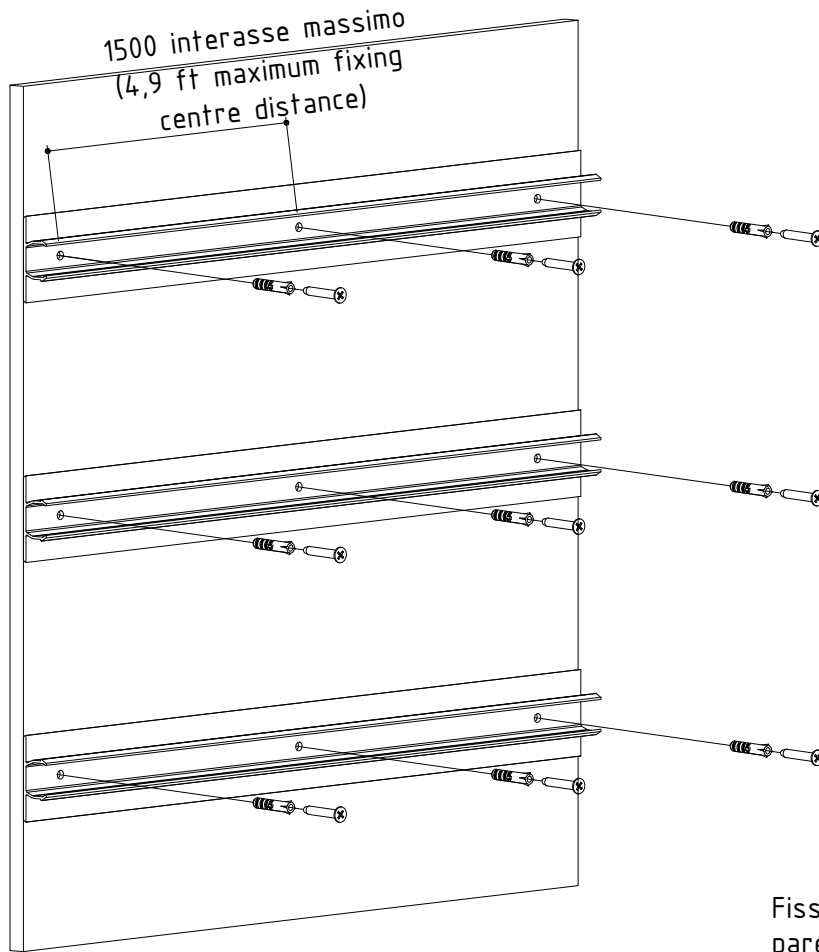
6

Installare tutte le stecche fino a rivestire la parete con l'ausilio di una dima che funge da distanziale per una posa rapida.

*Install all the battens until the complete wall cladding with the help of a spacer for a quick installation.*

7

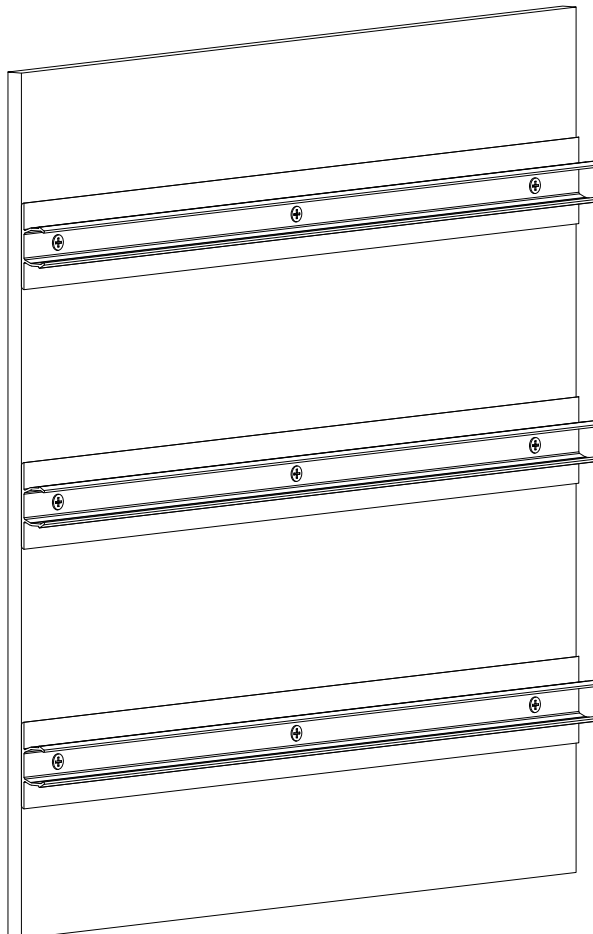
Posa con cover al muro (Installation with cover fixed at wall)

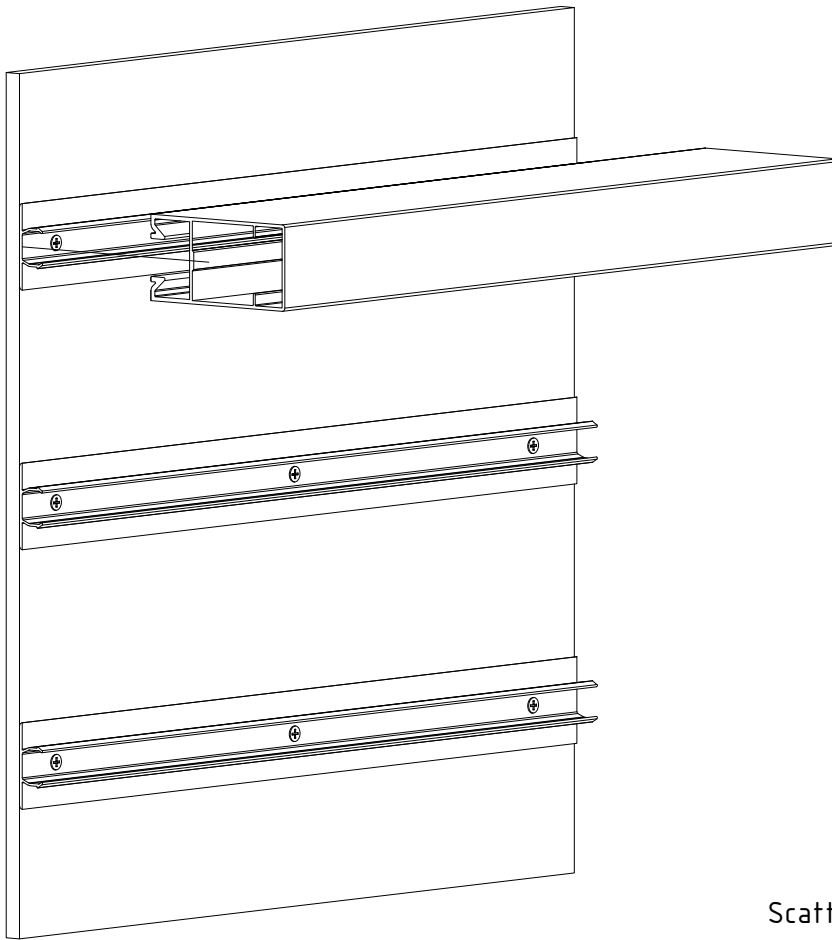


1

Fissare adeguatamente le cover alla parete.

*Fix properly covers to the wall.*

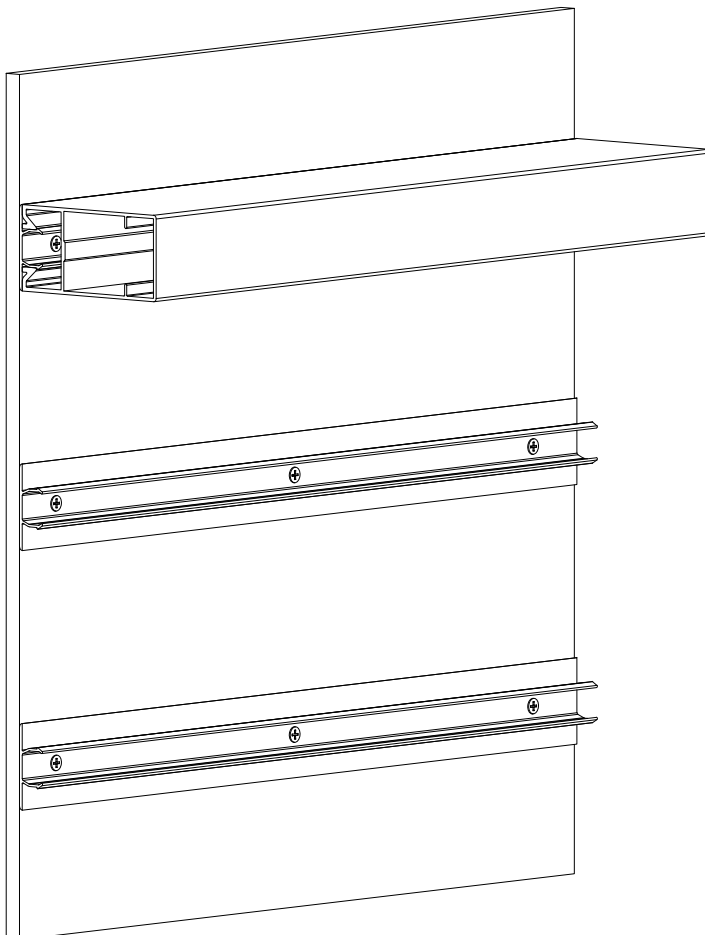




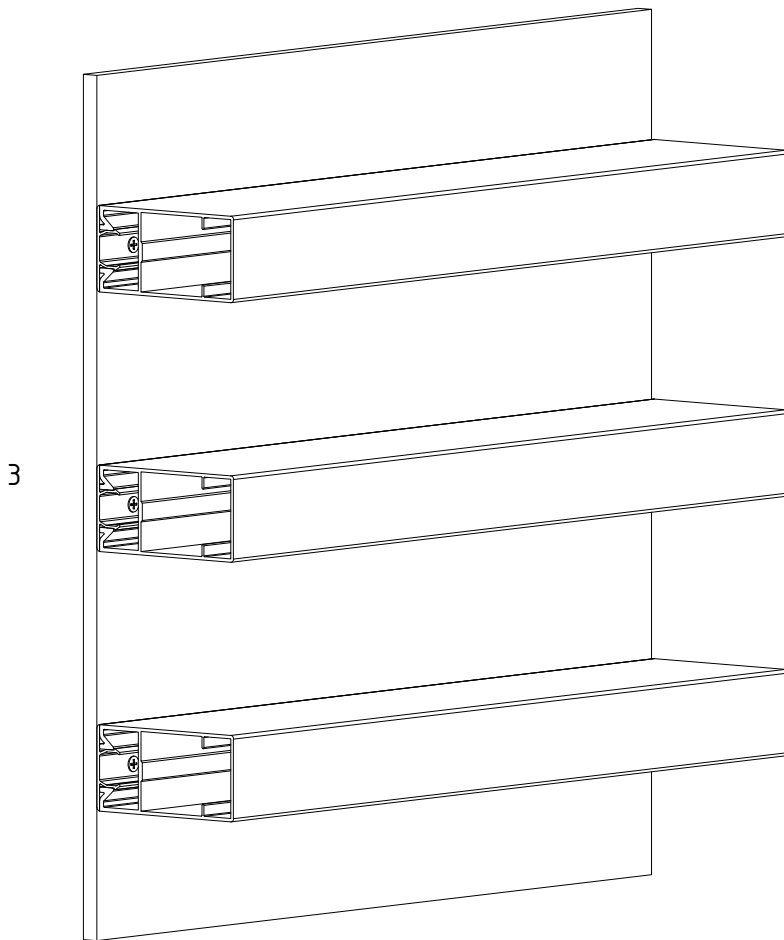
2

Scattare la stecca alla cover.

*Snap batten on cover.*



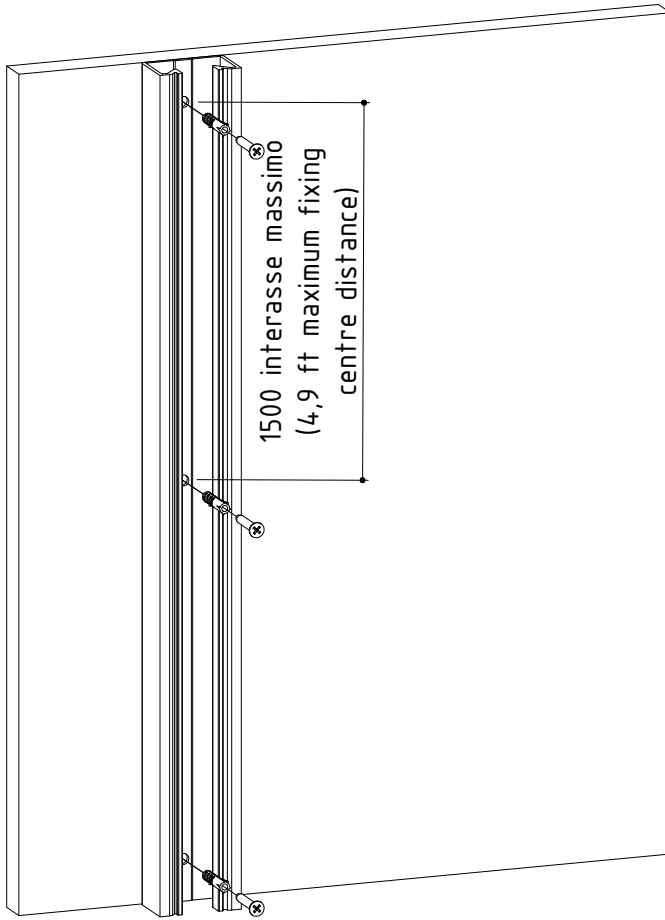




Completare il rivestimento.

*Complete the wall covering.*

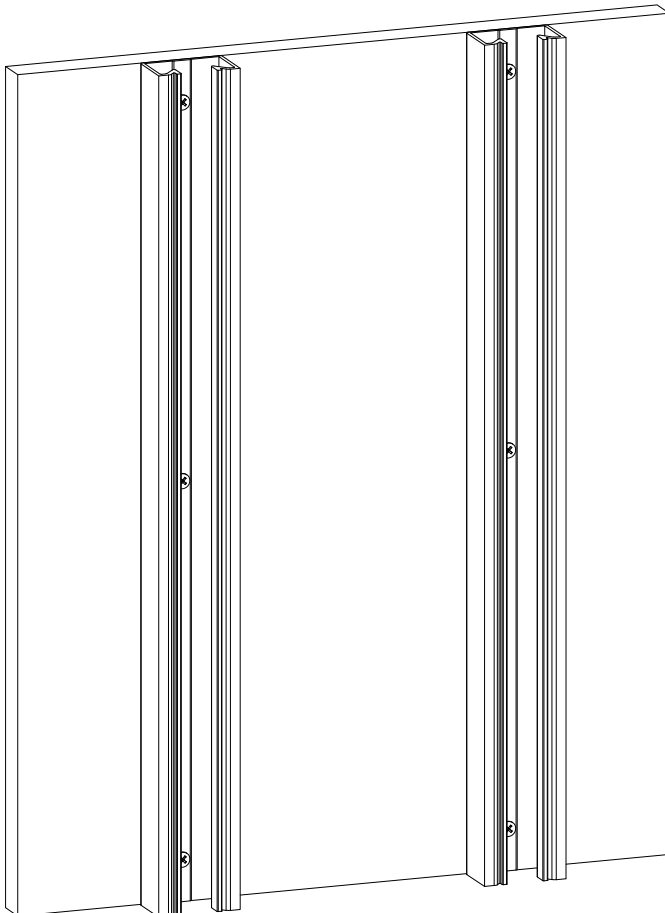
Montaggio con clip plastica



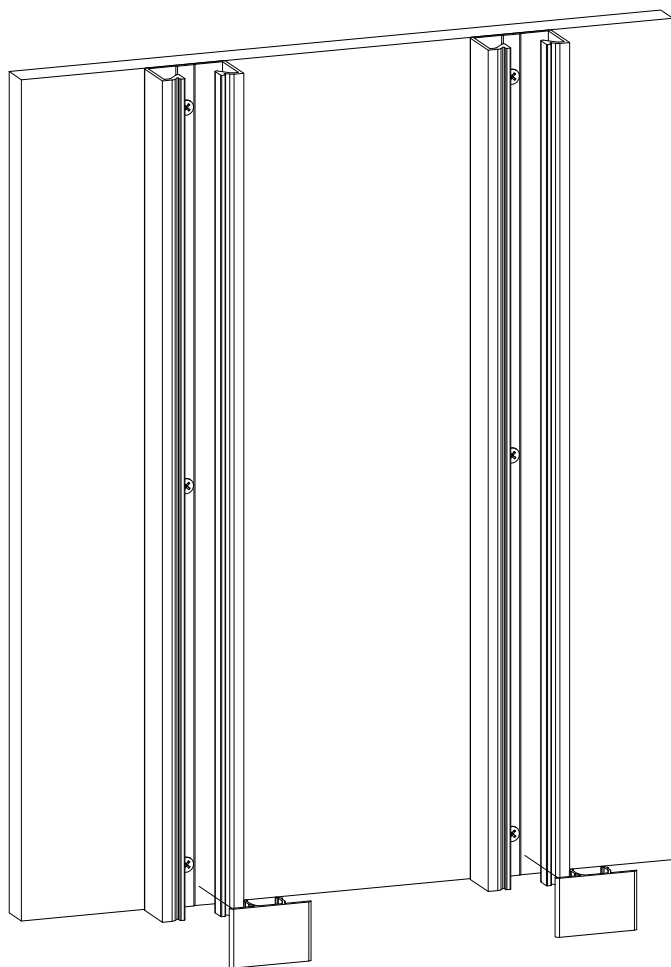
1

Fissare adeguatamente i  
longheroni alla parete o  
sottostruttura.

*Fix properly the support  
profiles to the wall or  
substructure.*



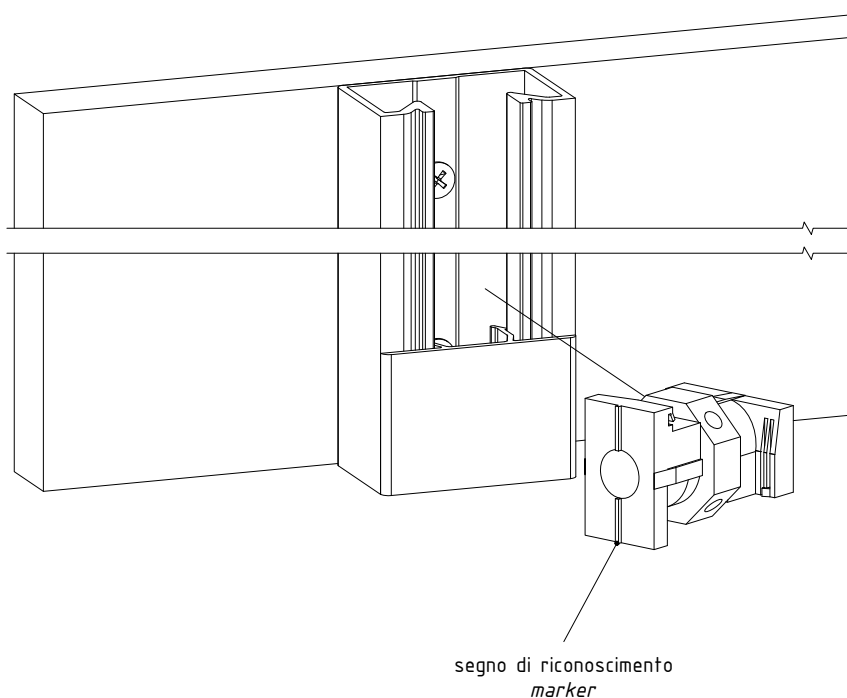
2



Inserire la cover a scatto sul longherone.

*Snap the cover on the support profile.*

3

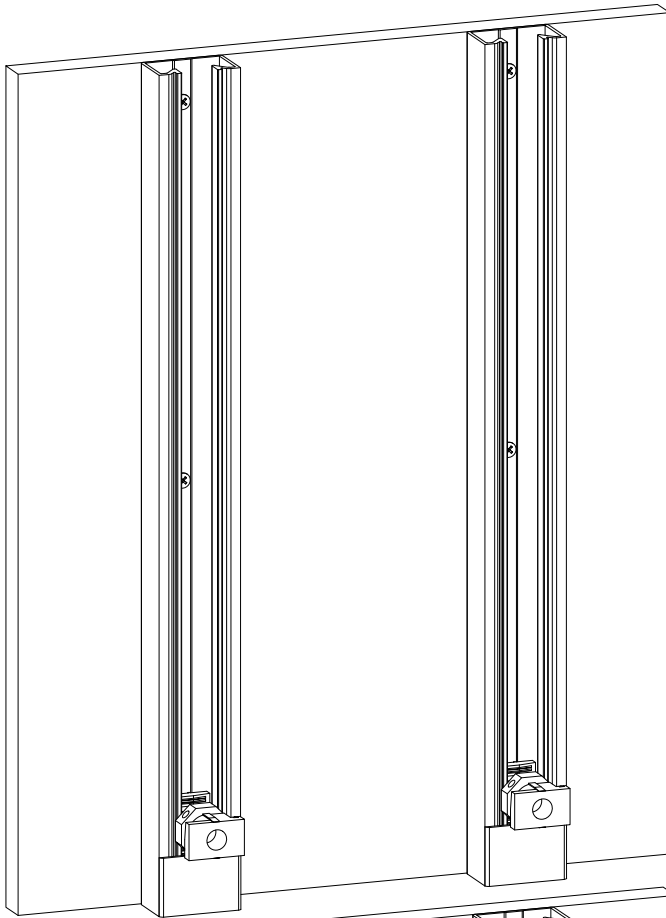


La clip ha un segno di riconoscimento su una faccia e a seconda di come viene inserita (segno di riconoscimento lato longherone o stecca) varia il verso di rotazione nella fase successiva. Dunque le clips vanno posizionate tutte con il segno di riconoscimento dallo stesso lato.

*The clip has a marker on a face. Depending on where the marker is when the clip is inserted (marker on the support profile side or on the batten side) the rotation direction changes. Therefore the clips must all be placed with the marker on the same side.*

segno di riconoscimento  
marker

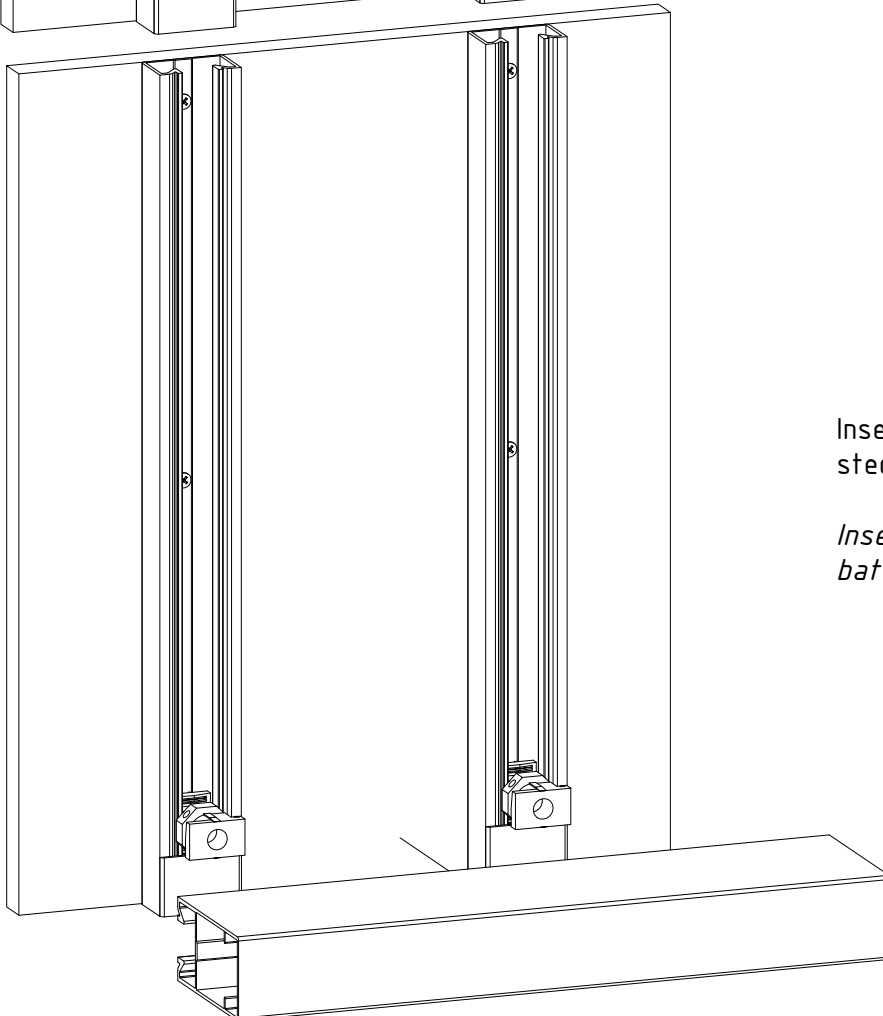
3



Inserire le clip frontalmente nel longherone.  
Le clip devono essere allineate per poter ricevere la stecca.

*Insert frontally the clip into the support profile.  
Align the clips in order to insert the batten.*

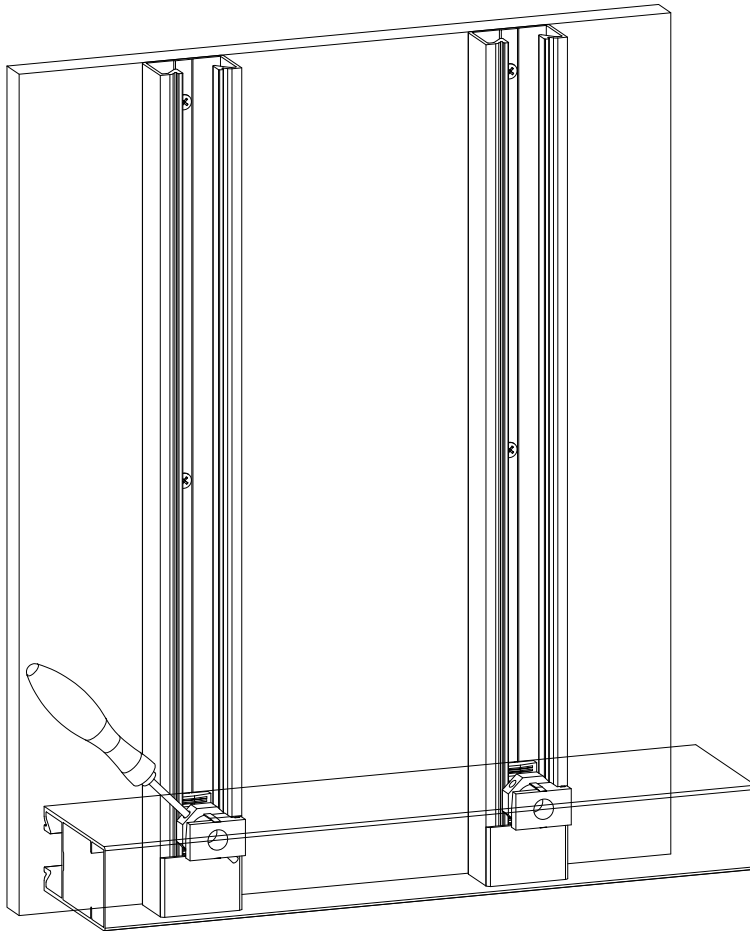
4



Inserire frontalmente la stecca.

*Insert frontally the batten.*

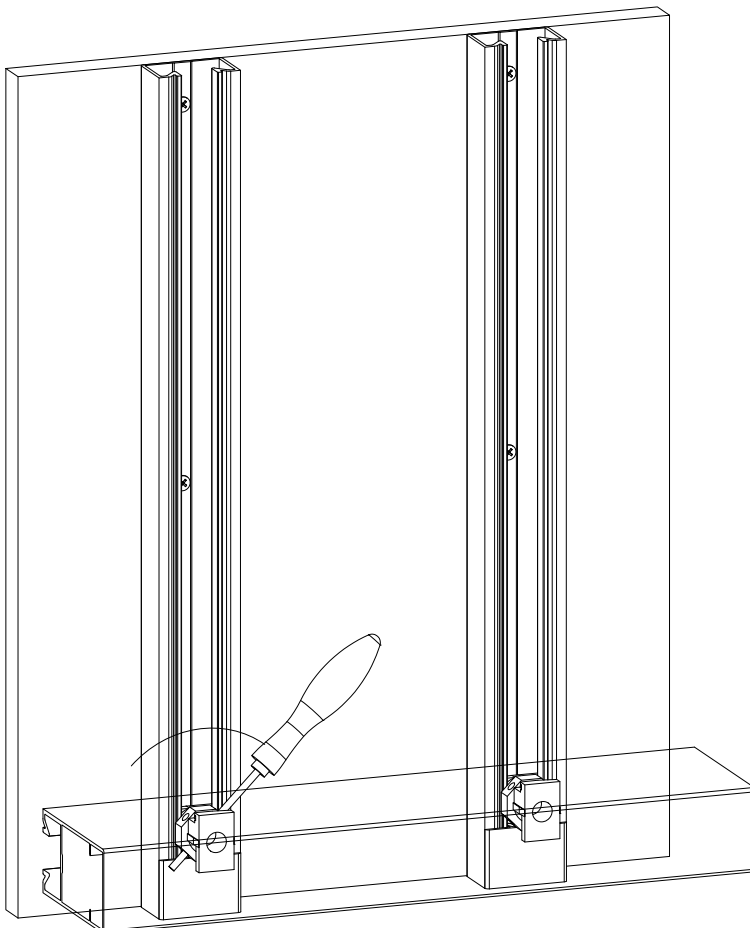
5



Utilizzare un utensile con diametro 4 mm da inserire nei fori della clip.

*Insert a 4 mm diameter tool into the clip holes.*

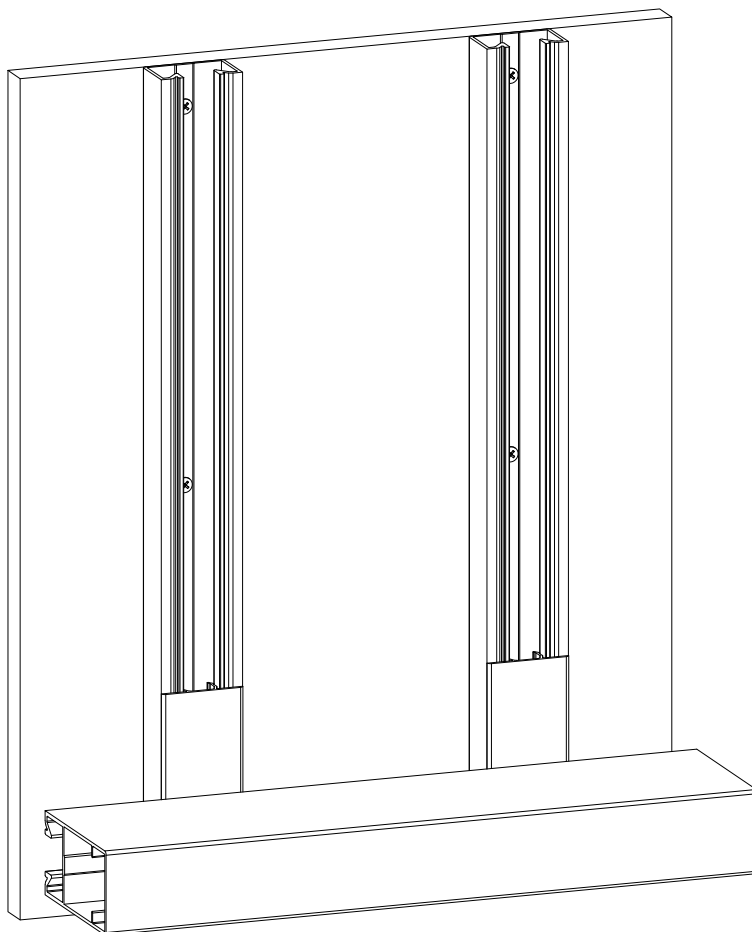
6



Ruotare le clips di 90° in senso orario (se il segno di riconoscimento sulla clip è dal lato del longherone) fino allo scatto per bloccare la stecca.

*Rotate the clips by 90° clockwise (if the marker is on the support profile side) in order to lock the batten.*

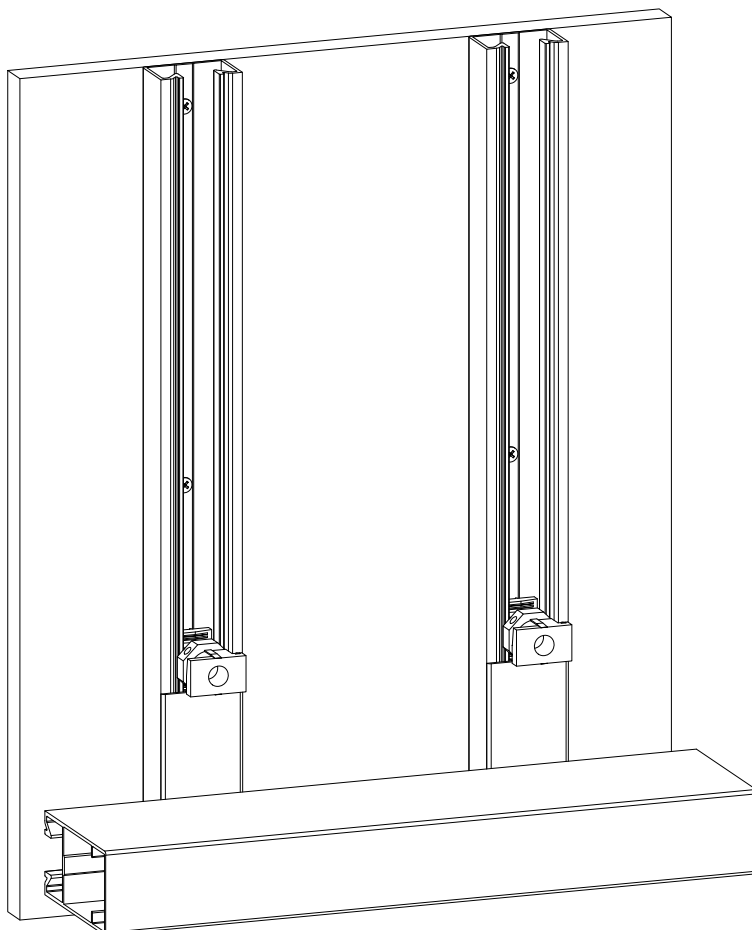
7



Inserire la cover a scatto sul longherone.

*Snap the cover on the support profile.*

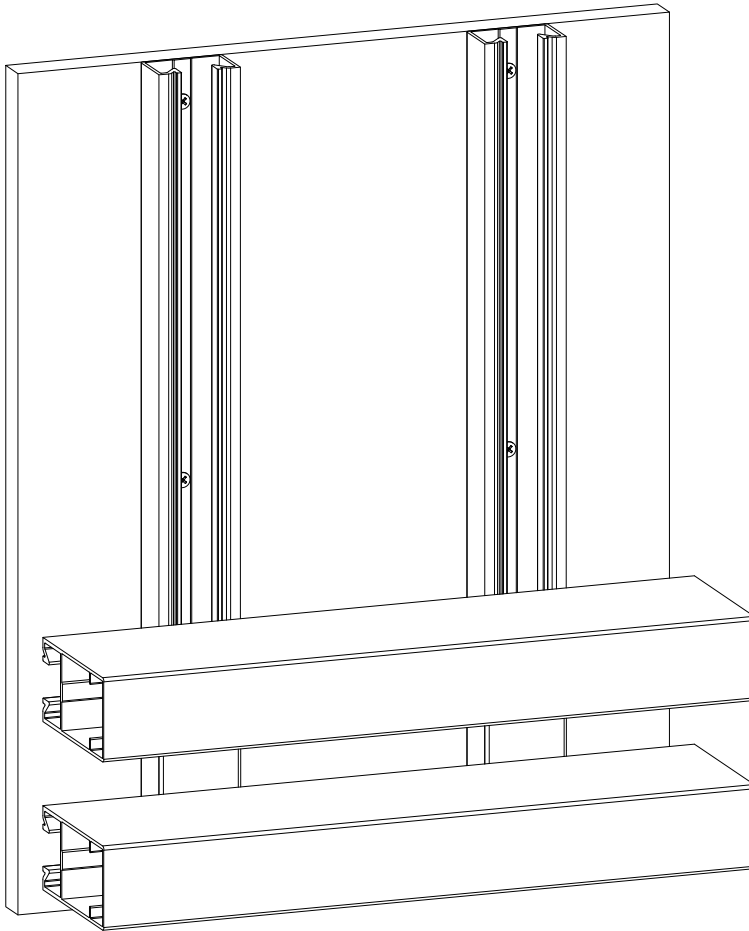
8



Inserire le clip frontalmente nel longherone.  
Le clip devono essere allineate per poter ricevere la stecca.

*Insert frontally the clip into the support profile.  
Align the clips in order to insert the batten.*

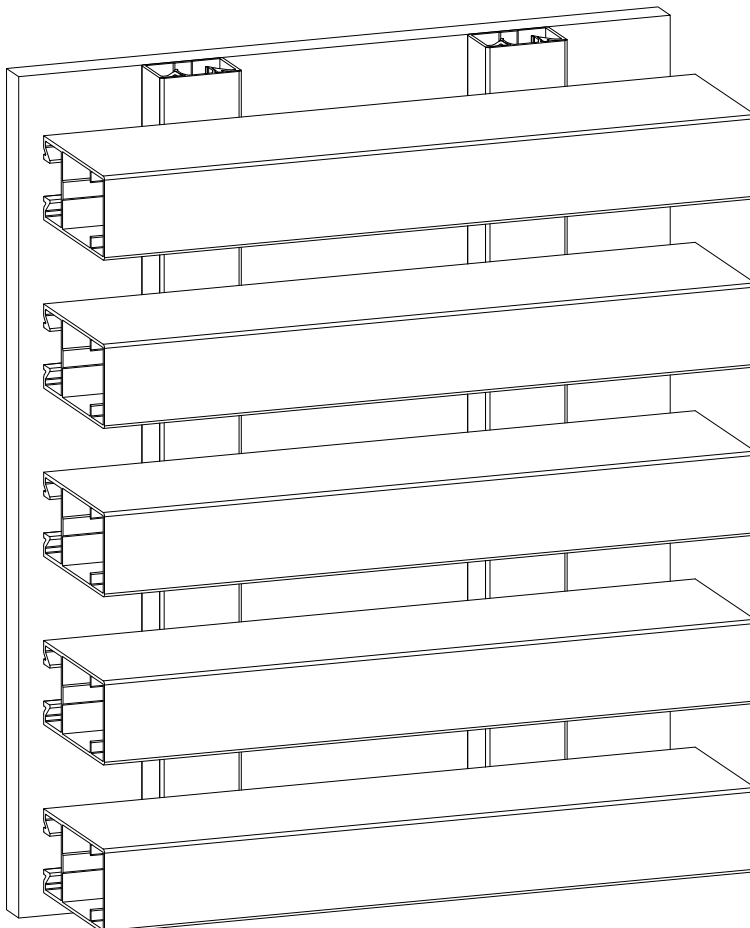
9



Inserire frontalmente la stecca.

*Insert frontally the batten.*

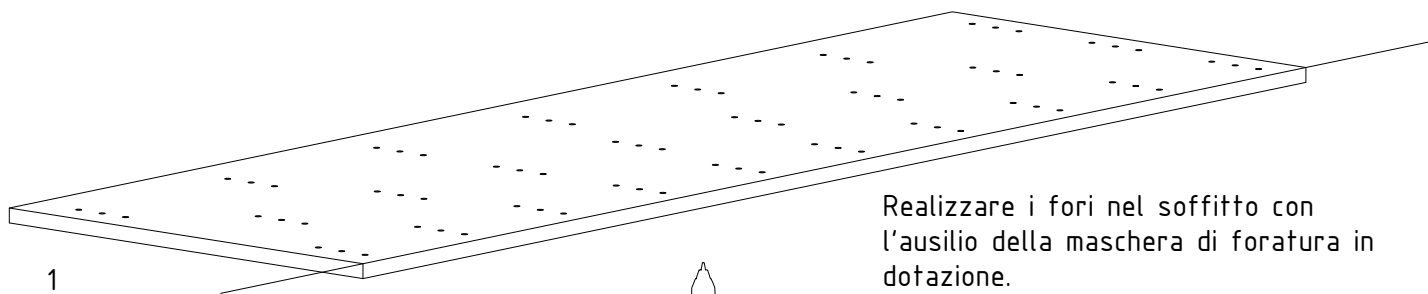
10



Ripetere le operazioni dal numero 2 a 6 per ciascuna stecca fino a completare il rivestimento.

*Repeat steps 2 to 6 for each batten until the wall covering is complete.*

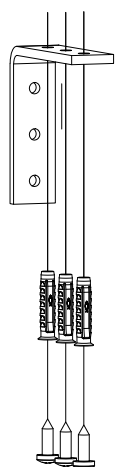
Posa con longheroni (Installation with support profiles)



1

Realizzare i fori nel soffitto con l'ausilio della maschera di foratura in dotazione.

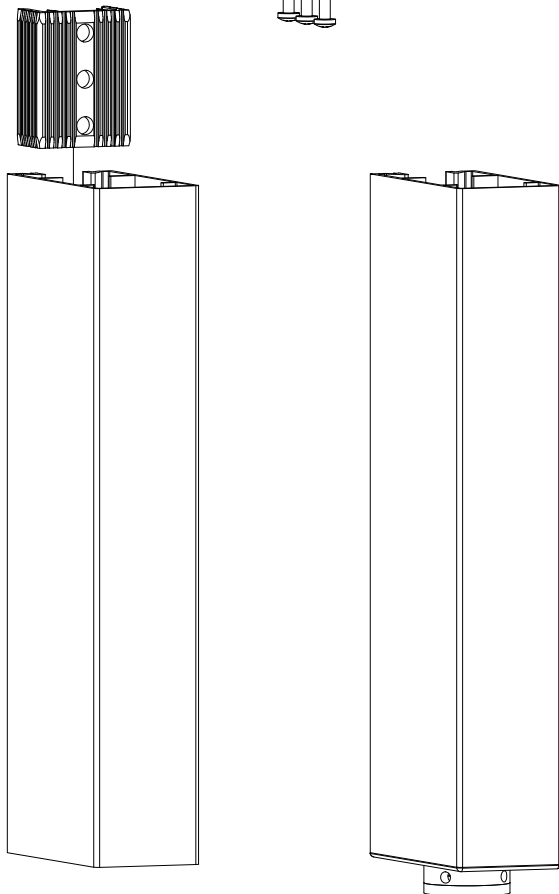
*Make the holes in the ceiling using the supplied drilling template.*



2

Fissare l'angolare al soffitto.

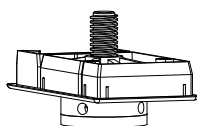
*Fix the angle bracket to the ceiling.*



3

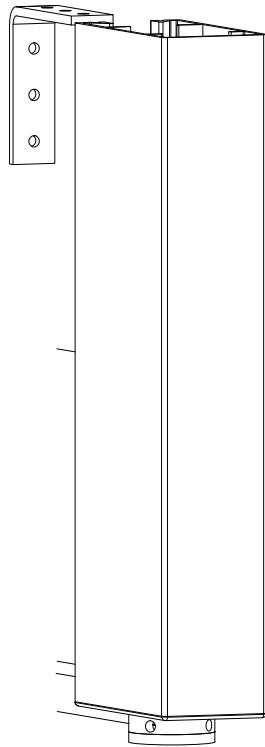
Inserire la parte plastica dell'accessorio FA50002 nella parte superiore della stecca e l'accessorio FA50012 nella parte inferiore del profilo.

*Place the FA50002 plastic component in the upper part of the batten and the FA50012 screw leveler in the lower part.*





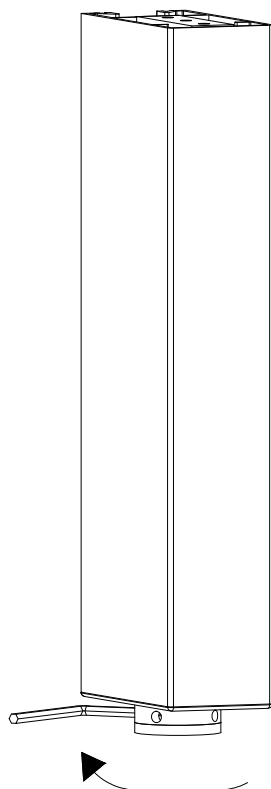
4



Avvicinare la stecca alloggiando l'angolare nella sede del componente plastico.

*Approach the batten placing the angle bracket into the plastic component seat.*

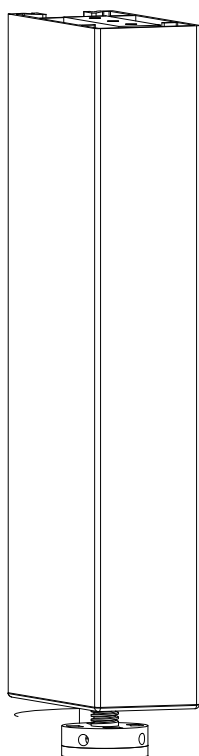
5



Ruotare la vite in senso orario con un utensile di diametro 4 mm: in questo modo la stecca si solleverà fino a quando non sarà messa in tensione.

*Turn the screw clockwise with a  $\frac{5}{32}$ " diameter tool in order to lift the batten until it is pressed against the ceiling.*

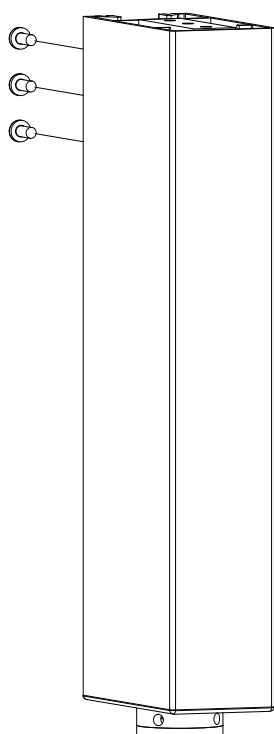
5



Ruotare la vite in senso orario con un utensile di diametro 4 mm: in questo modo la stecca si solleverà fino a quando non sarà messa in tensione.

*Turn the screw clockwise with a  $\frac{5}{32}$ " diameter tool in order to lift the batten until it is pressed against the ceiling.*

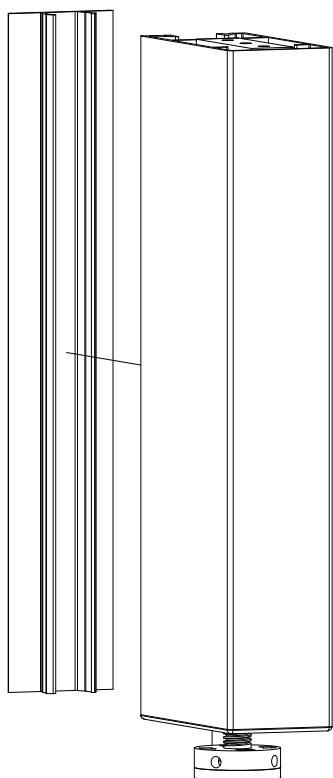
6



Fissare l'angolare con le viti autofilettanti in dotazione dopo aver effettuato i fori da 4 mm sulla stecca.

*Fix the angle bracket with the supplied self-tapping screw after drilling the batten with the  $\frac{5}{32}$ " mm round tip.*

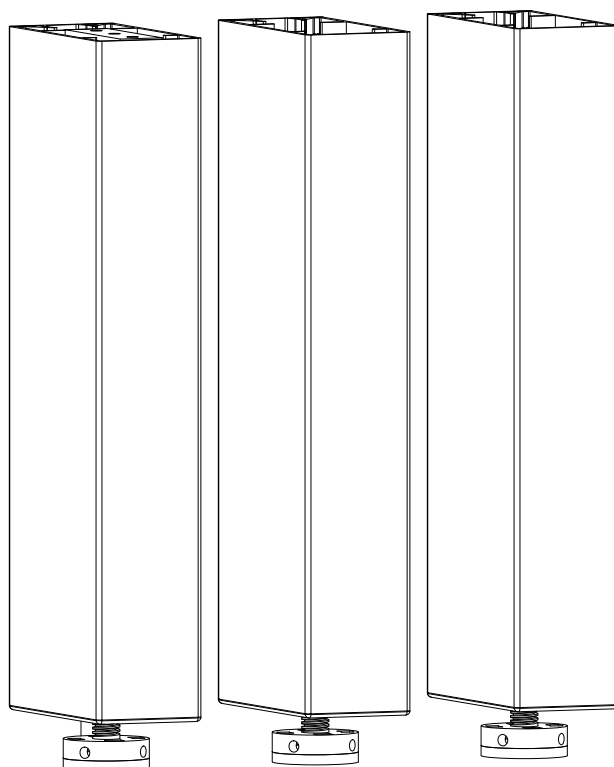
7



Inserire la cover a scatto sulla stecca.

*Snap the cover on the batten.*

8



Completare l'installazione di tutte le stecche con l'ausilio della dima di foratura.

*Place all the battens using the drilling template.*

