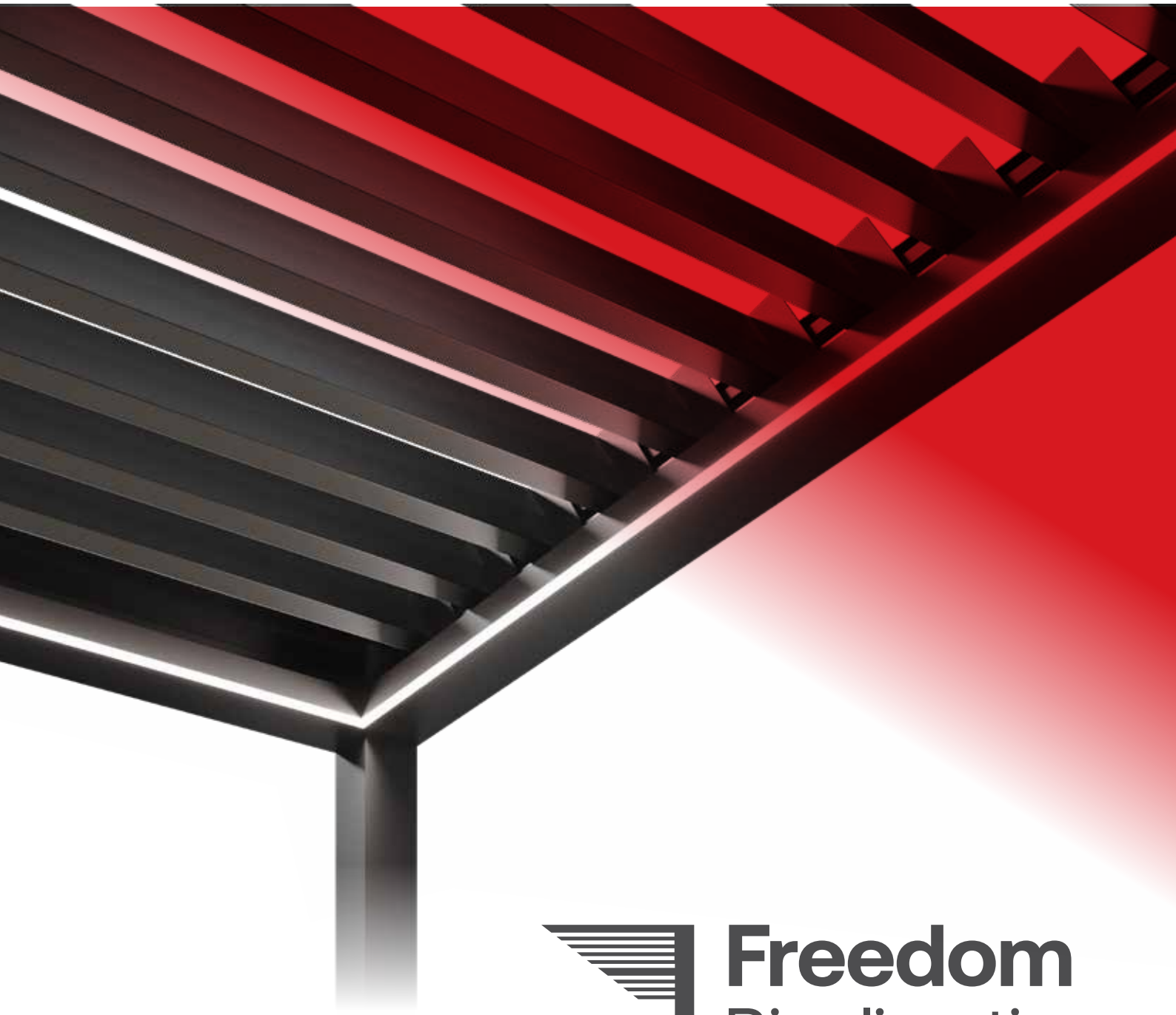
ALUMINCO®

ALUMINIUM BUILDING SYSTEMS



Freedom Bioclimatic Pergola

INSTALLATION GUIDE

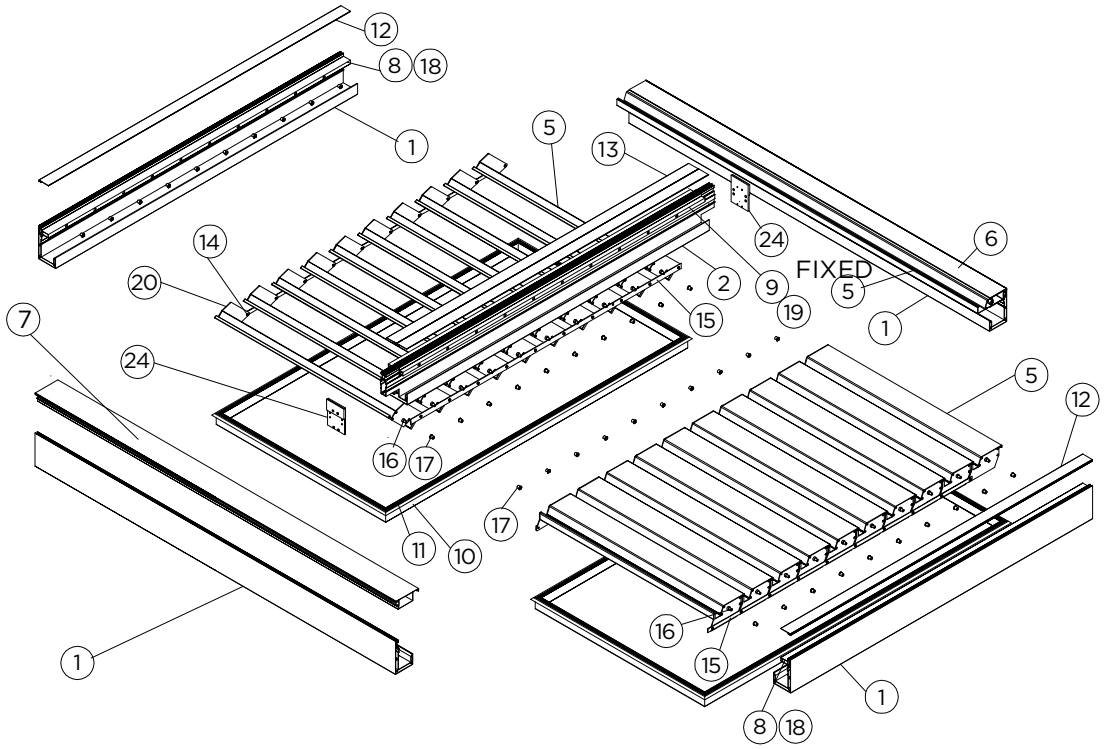
www.aluminco.com

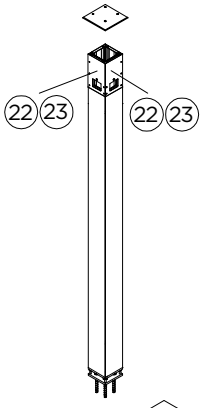
Freedom
Bioclimatic
Pergola

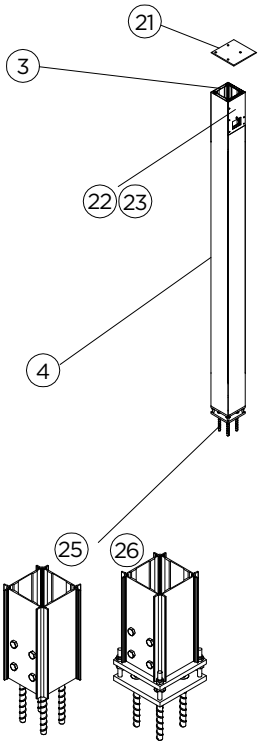
ALUMINCO

ΛΙΣΤΑ ΥΛΙΚΩΝ / PARTS LIST

ΠΡΟΟΠΤΙΚΟ ΣΧΗΜΑ ΑΠΟΔΟΜΗΣΗΣ ΒΙΟΚΛΙΜΑΤΙΚΗΣ ΠΕΡΓΚΟΛΑΣ
BIO-CLIMATE PERGOLA EXPLODED VIEW









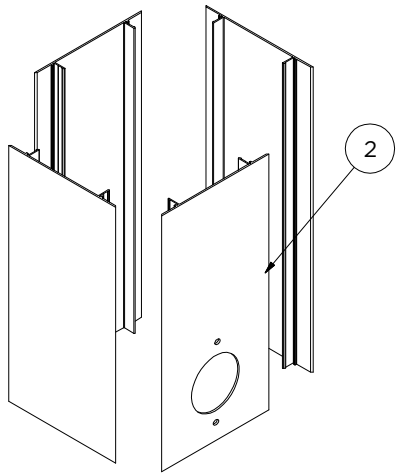


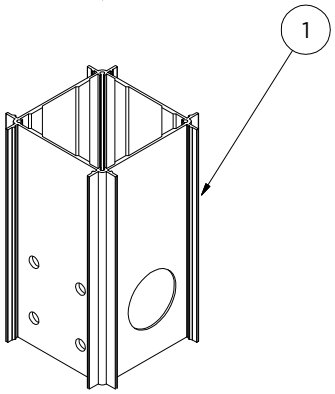
STANDARD FOOTPLATE (APS20-1211)

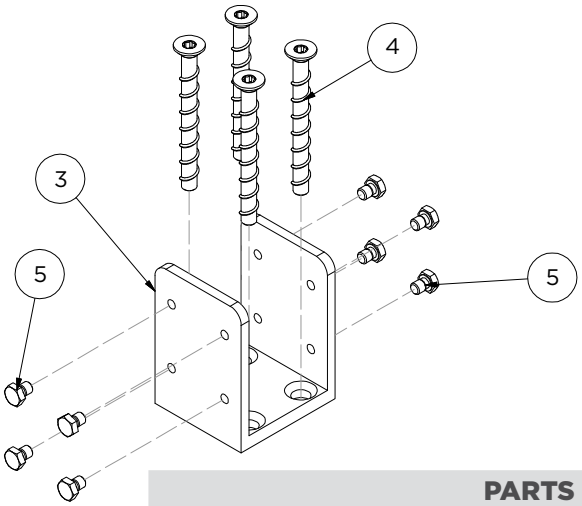
ADJUSTABLE FOOTPLATE (APS20-1212)

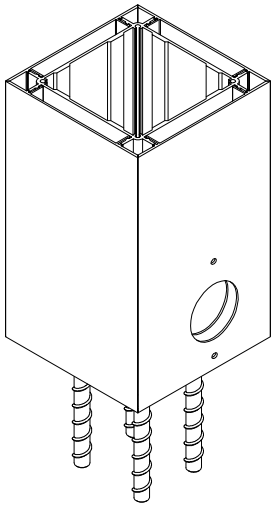
ITEM	PAR NUMBER	DESCRIPTION	MATERIAL
1	PS20-100	Transom Profile	ALUMINUM 6063-T66
2	PS20-101	T-Profile	ALUMINUM 6063-T66
3	PS20-102	Post Profile	ALUMINUM 6063-T66
4	PS20-305	Post Cover Profile	ALUMINUM 6060-T66
5	PS20-200	Louver Profile	ALUMINUM 6060-T66
6	PS20-300	Extension Profile to Fixed Louver	ALUMINUM 6060-T66
7	PS20-301	Extension Profile	ALUMINUM 6060-T66
8	PS20-310 / PAT49-414	Transom Louver Guiderail Profile	ALUMINUM 6060-T66
9	PS20-303	T-Profile Louver Guiderail Profile	ALUMINUM 6060-T66
10	PS20-315	LED Clipping Profile	ALUMINUM 6060-T66
11	PS20-315	LED Clipping Profile	ALUMINUM 6060-T66
12	PS20-306	Transom Cover Profile	ALUMINUM 6060-T66
13	PS20-307	T-Profile Cover Profile	ALUMINUM 6060-T66
14	APS20-1201	Louver-Motion Blade Connection Pin	INOX 316
15	APS20-1501	Motion Blade	ALUMINUM 6060-T66
16	APS20-1223	Fixed Pin	BRASS
17	APS20-1224	PINS Bush	BRASS
18	APS20-1516 / 1518	PS20-310 / PAT49-414 Louver Guide Rail	ALUMINUM 6060-T66
19	APS20-1517	PS20-303 Louver Guide Rail	ALUMINUM 6060-T66
20	APS20-1101	Louver Side Covers (SET)	ALUMINUM 6060-T66
21	APS20-1103	Post Cover	ALUMINUM 6060-T66
22	APS20-1206	Transom Corner Hangers (SET)	ALUMINUM 6063-T66
23	APS20-1207	Post Corner Hangers (SET)	ALUMINUM 6063-T66
24	APS20-1210	T-Profile Transom Hanger	ALUMINUM 6063-T66
25	APS20-1211	Standard Footplate	GALVANIZED STEEL
26	APS20-1212	Adjustable Footplate	GALVANIZED STEEL

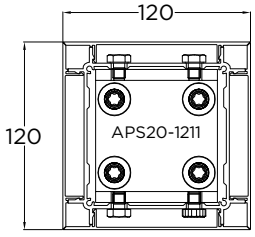
1-A3 ΣΤΑΘΕΡΟ ΠΕΛΜΑ ΒΙΟΚΛΙΜΑΤΙΚΗΣ ΠΕΡΓΚΟΛΑΣ
BIO-PERGOLA STANDARD FIXING FOOTPLATE



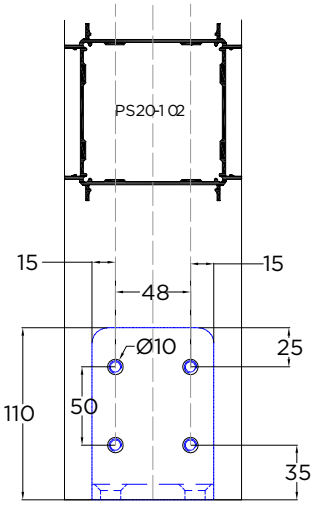


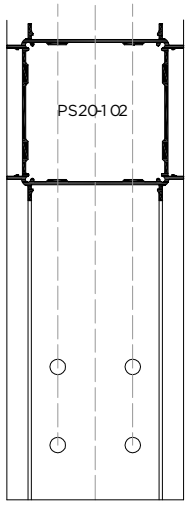






PS20-102
PS20-305



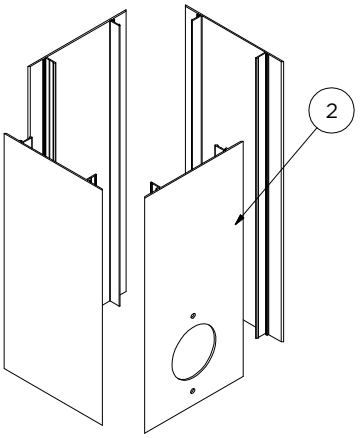


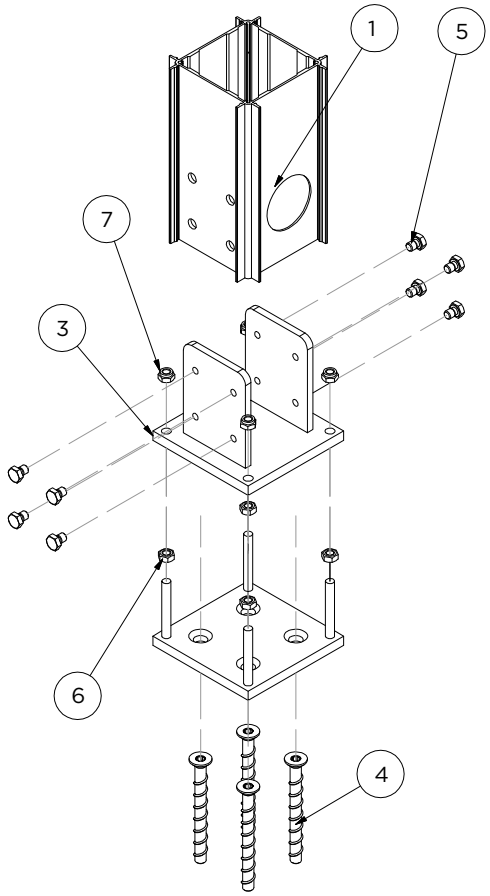
POST HOLES DRILLING FOR FIXING FOOTPLATE

PARTS LIST

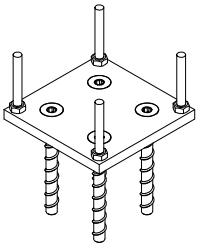
ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	1	PS20-305	POST COVER	ALUMINUM 6060-T66
3	1	APS20-1211	BIO-PERGOLA FIX FOOTPLATE	GALVANIZED STEEL
4	4	EMB10-120G/2	COUNTERSUNK CONCRETE SCREW	GALVANIZED STEEL
5	8	DIN 933 - M8 x 10	Hex-Head Bolt	STAINLESS STEEL

1-B3 ΡΥΘΜΙΖΟΜΕΝΟ ΠΕΛΜΑ ΒΙΟΚΛΙΜΑΤΙΚΗΣ ΠΕΡΓΚΟΛΑΣ
BIO-PERGOLA ADJUSTABLE FIXING FOOTPLATE

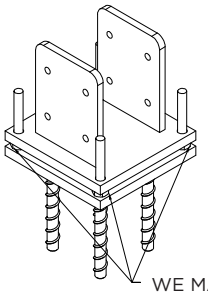




STEP-01

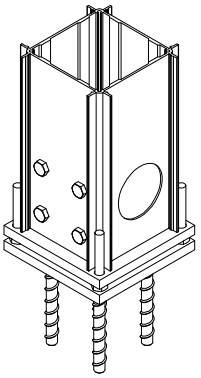


STEP-02

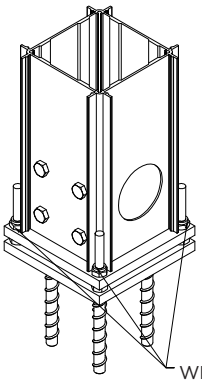


WE MAKE ALL (4) HEX-NUT ADJUSTMENTS FOR UPRIGHT POST LEVEL UP TO 2CM.

STEP-03

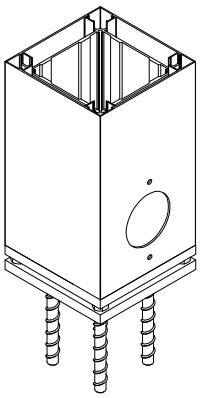


STEP-04



WE TIGHT ALL (4) HEX-LOCK NUTS FOR UPRIGHT POST

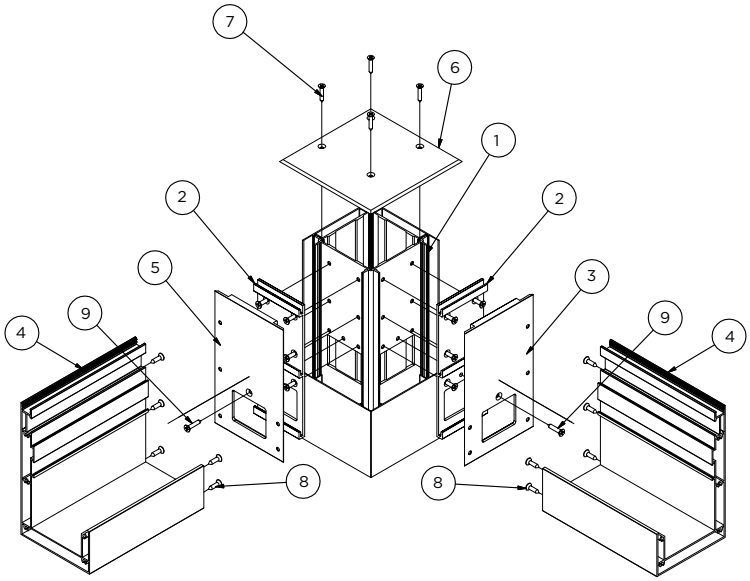
STEP-05

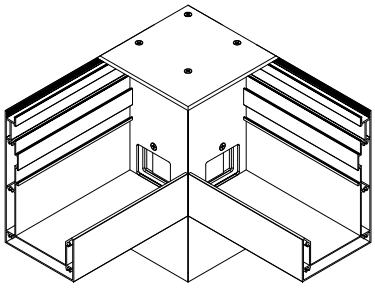


PARTS LIST

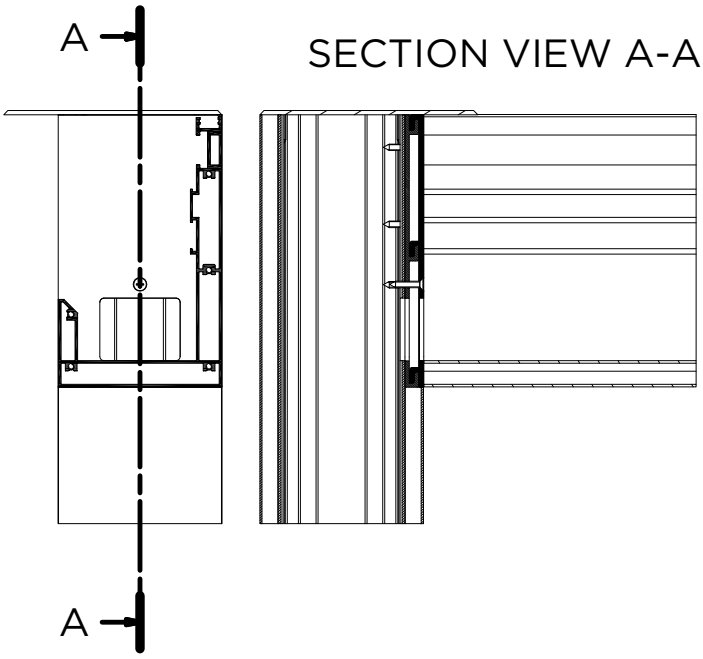
ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	1	PS20-305	POST COVER	ALUMINUM 6060-T66
3	1	APS20-1212	BIO-PERGOLA ADJUSTABLE FOOTPLATE	GALVANIZED STEEL
4	4	EMB10-120G/2	COUNTERSUNK CONCRETE SCREW	GALVANIZED STEEL
5	8	DIN 933 - M8 x 10	Hex-Head Bolt	STAINLESS STEEL
6	8	DIN 934 - M8	Hex-Nut	STAINLESS STEEL
7	8	DIN 985 - M8	Hex-Lock Nut	STAINLESS STEEL

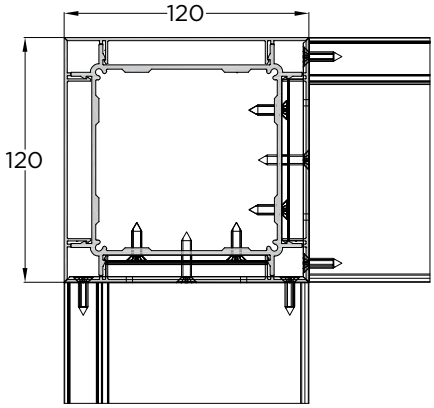
ΣΥΝΔΕΣΗ ΚΟΛΩΝΑΣ ΜΕ ΤΡΑΒΕΡΣΑ
POST - TRANSOM FIXATION



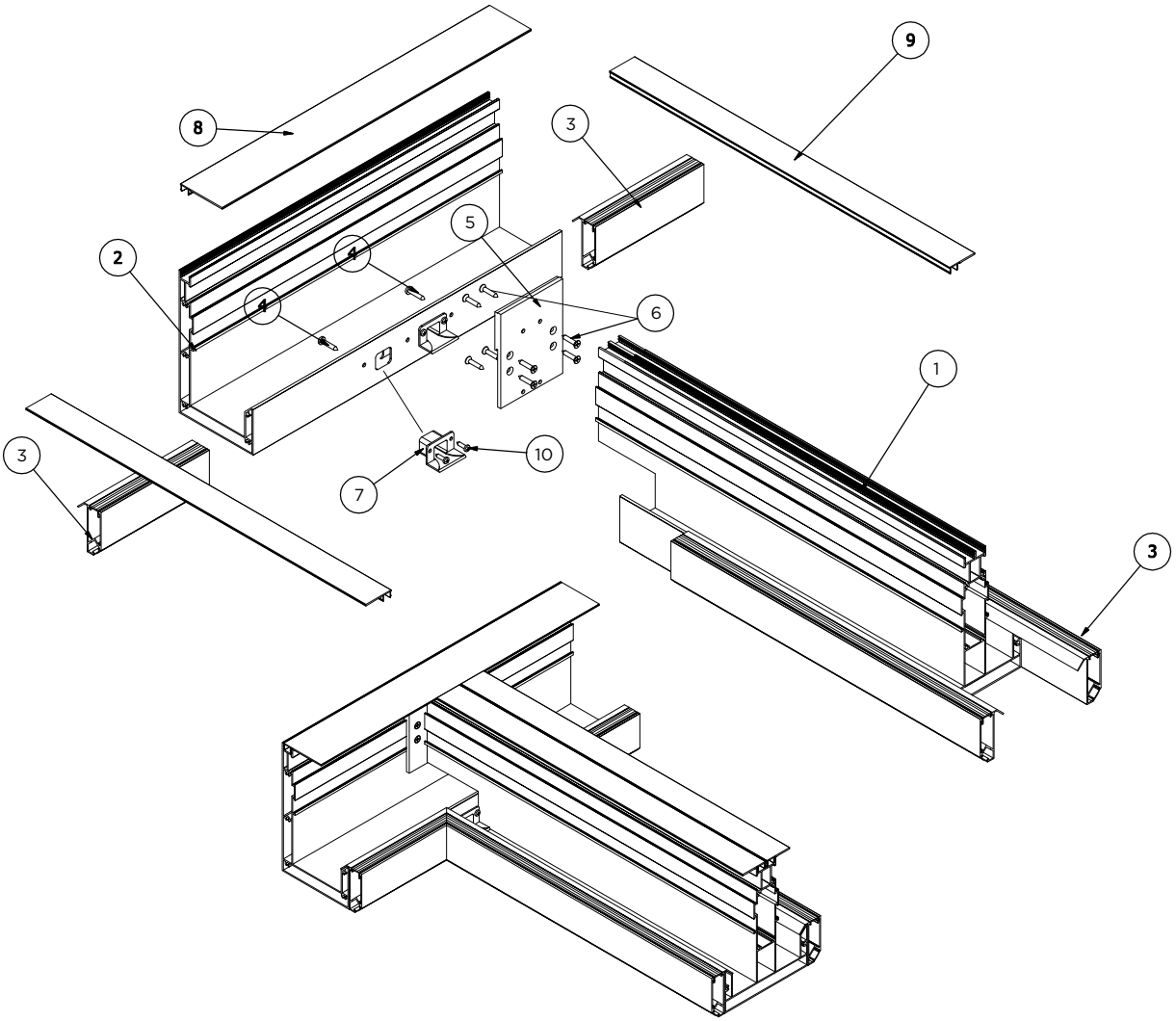


PARTS LIST				
ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	2	APS20-1207	BIO-Hanger ONTO POST PS20-102	ALUMINUM 6063-T66
3	1	APS20-1206 (PAIR L/R)	BIO-Hanger ONTO TRANSOM PS20-100	ALUMINUM 6063-T66
4	2	PS20-100	Transom	ALUMINUM 6063-T66
5	1	APS20-1206 (PAIR L/R)	BIO-Hanger ONTO TRANSOM PS20-100	ALUMINUM 6063-T66
6	1	APS20-1103	Post Cover	ALUMINUM 6060-T66
7	4	DIN 7982-C 4.2x19	(Sheetmetal) Tapping Screw	STAINLESS STEEL
8	22	DIN 7982-C 4.8x19	(Sheetmetal) Tapping Screw	STAINLESS STEEL
9	2	DIN 7982-C - ST4.8x22	(Sheetmetal) Tapping Screw	STAINLESS STEEL



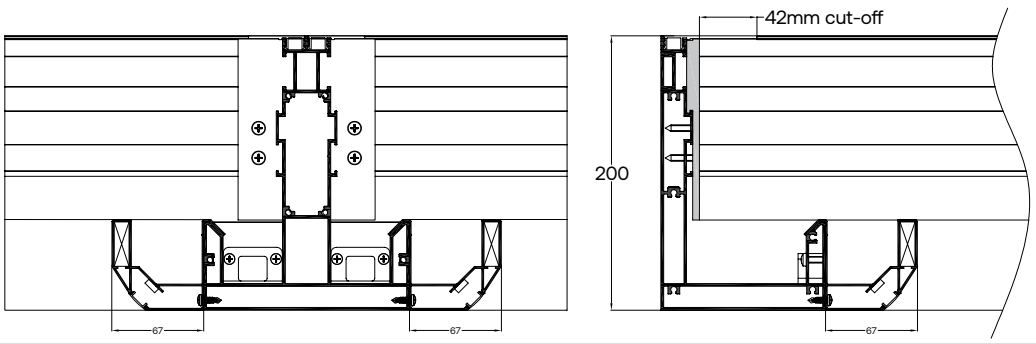


ΣΥΝΔΕΣΗ ΤΡΑΒΕΡΣΑ ΜΕ ΤΑΥ-01
TAY/T-PROFILE - TRANSOM FIXATION

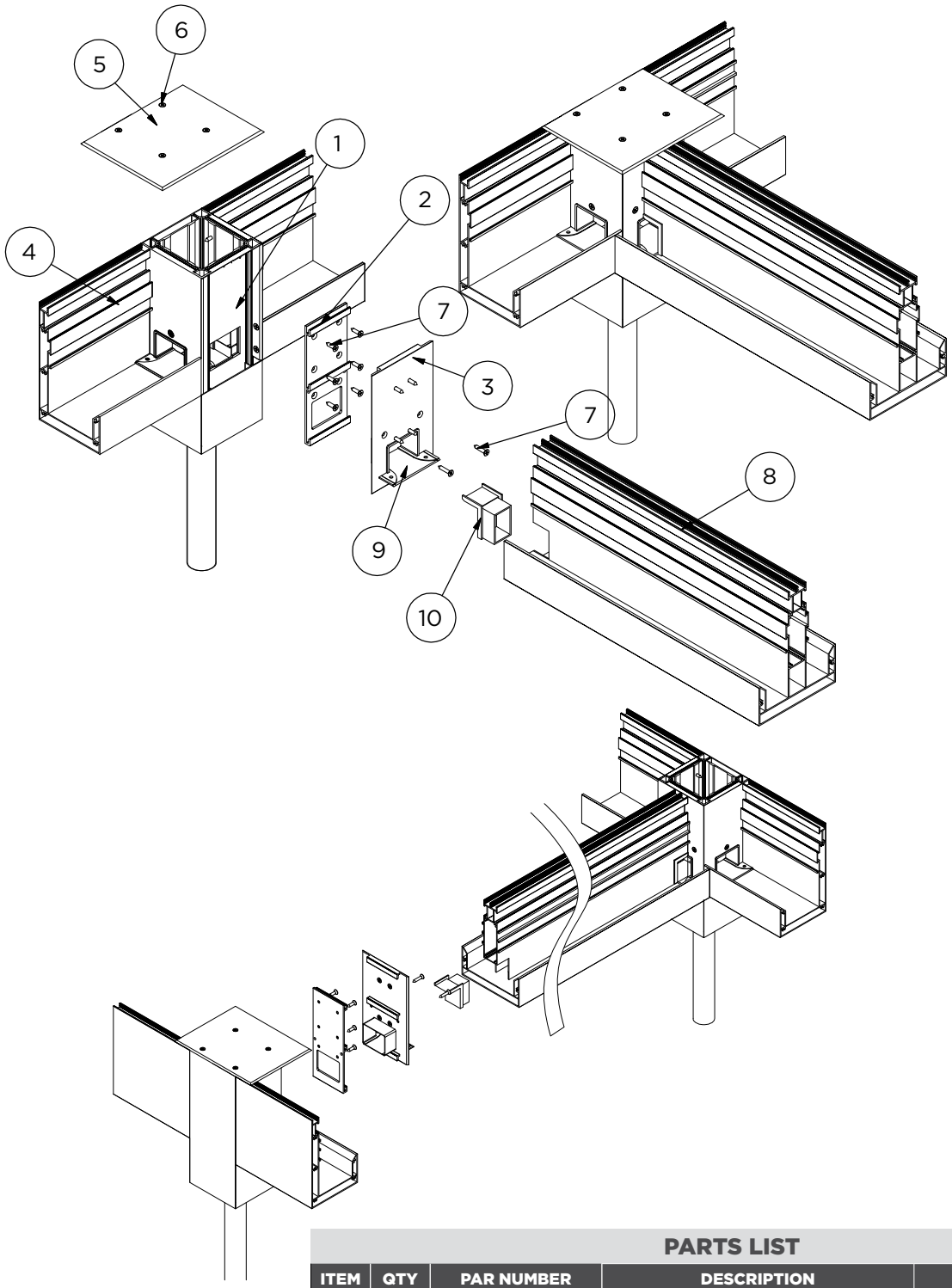


PARTS LIST

ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-101	T-Profile	ALUMINUM 6063-T66
2	1	PS20-100	Transom Profile	ALUMINUM 6063-T66
3	4	PS20-304	Transom & T-Profile Clipping Profile	ALUMINUM 6060-T66
4	2	DIN 6928-4.8x25	Sheetmetal Screw	STAINLESS STEEL
5	1	APS20-1210	T-Profile Hanger	ALUMINUM 6063-T66
6	8	DIN 7982-C 4.8x25	Sheetmetal Screw	STAINLESS STEEL
7	2	APS20-1307	T-Profile Plastic Water Drainage	PLASTIC
8	1	PS20-306	Transom Cover Profile	ALUMINUM 6060-T66
9	2	PS20-307	T-Profile Cover Profile	ALUMINUM 6060-T66
10	4	DIN 7981- 4.2x16	Sheetmetal Screw	STAINLESS STEEL



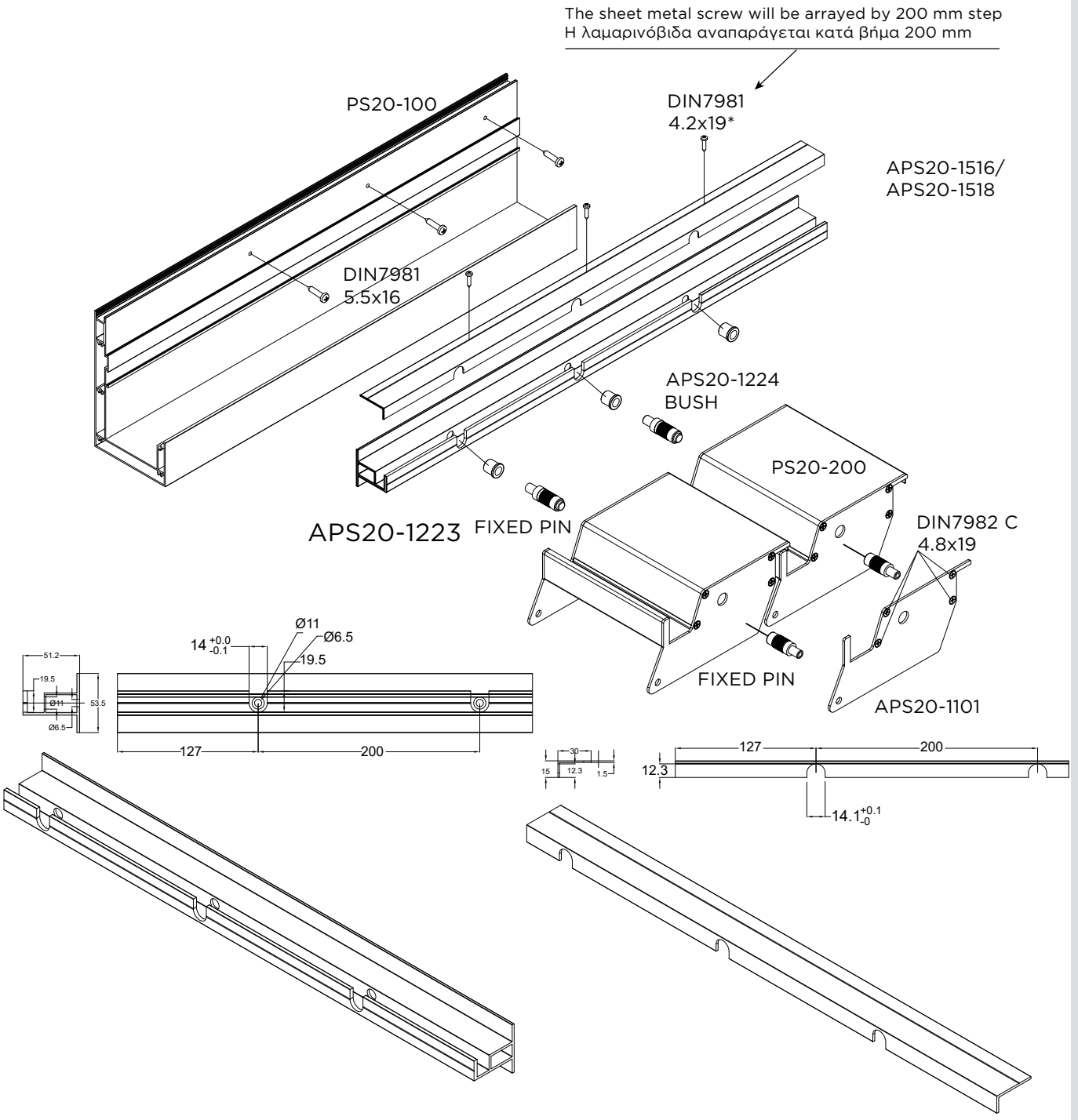
ΣΥΝΔΕΣΗ ΚΟΛΩΝΑΣ ΜΕ ΤΑΥ
POST - TAY/T-PROFILE FIXATION



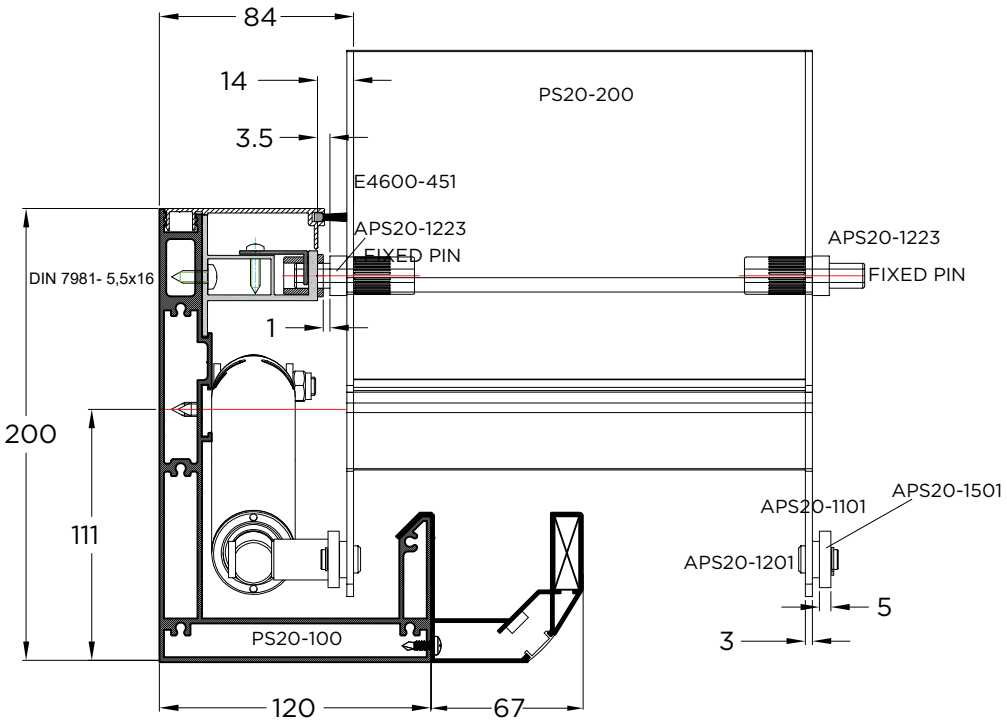
PARTS LIST

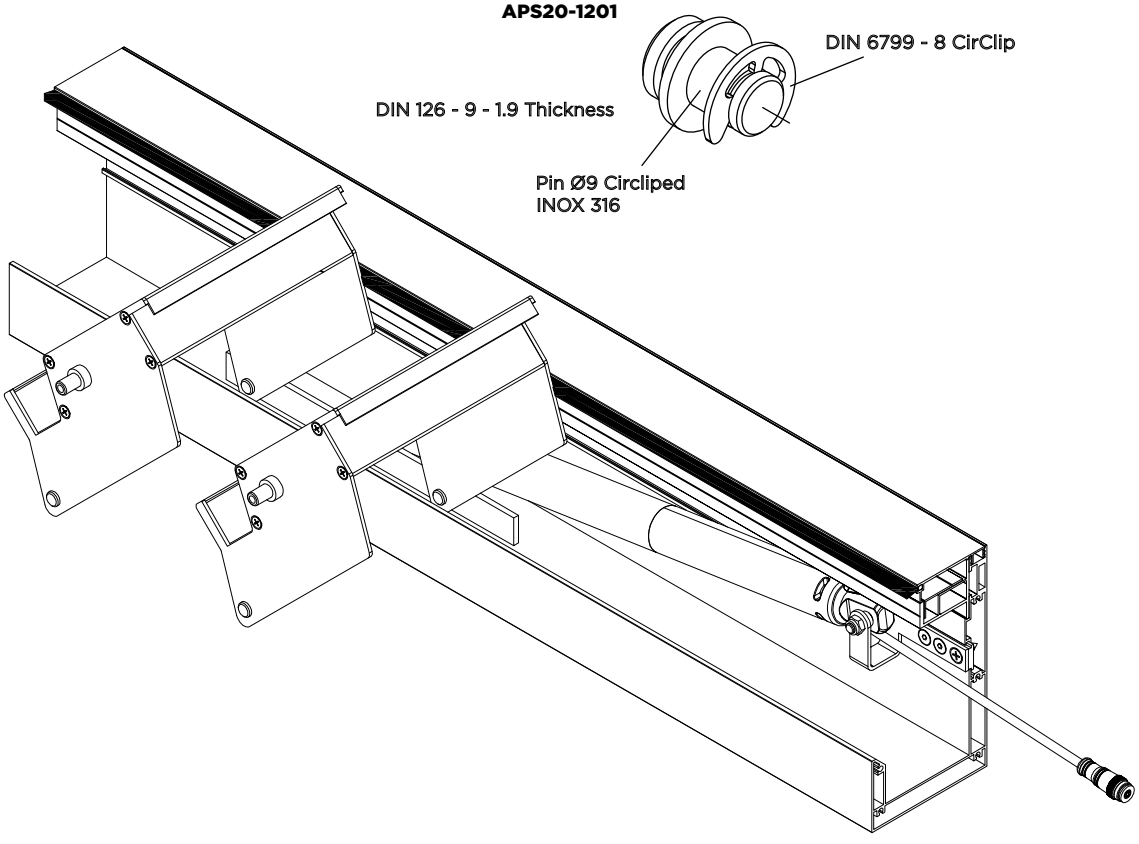
ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	1	APS20-1209	T-Profile Hanger ONTO the Post	ALUMINUM 6063-T66
3	1	APS20-1208	T-Profile Hanger ONTO the T-Profile	ALUMINUM 6063-T66
4	1	PS20-100	Transom	ALUMINUM 6063-T66
5	1	APS20-1104	T-Profile - Post Top Cover	ALUMINUM 6060-T66
6	4	DIN 7982-C 4.2x19	Sheetmetal Screw	STAINLESS STEEL
7	42	DIN 7982-C 4.8x19	Sheetmetal Screw	STAINLESS STEEL
8	1	PS20-101	T-Profile	ALUMINUM 6063-T66
9	1	APS20-1308	Plastic Water Drainage Shim	PLASTIC
10	1	APS20-1306	T-Profile Plastic Cover	PLASTIC

FIXING LOUVERS' GUIDERAIL ONTO TRANSOM PS20-100
ΠΡΟΣΔΕΣΗ ΟΔΗΓΟΥ ΠΕΡΣΙΔΩΝ ΣΤΗΝ ΤΡΑΒΕΡΣΑ PS20-100

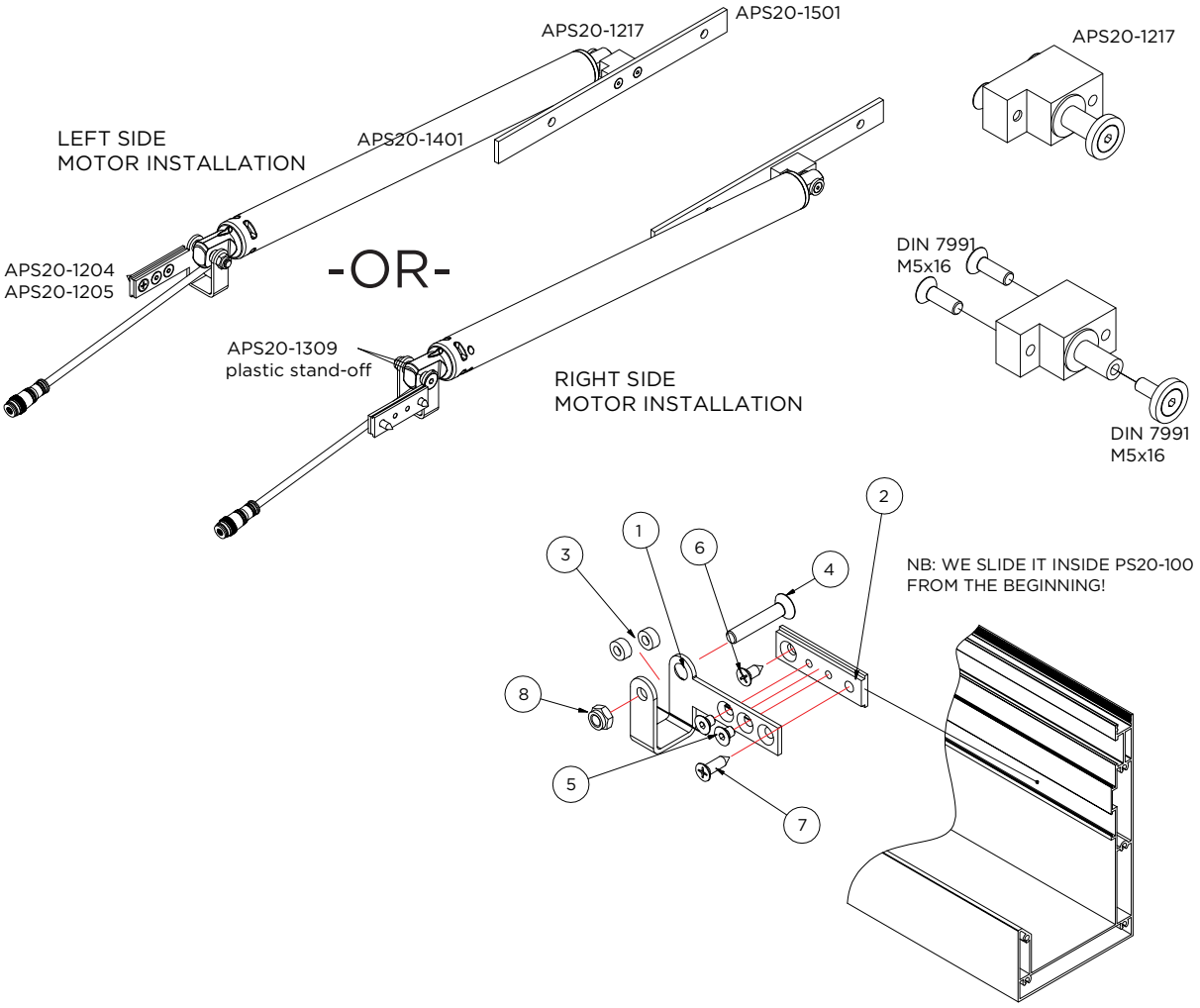


ΣΥΝΔΕΣΗ MOTER-01
MOTOR FIXATION-01





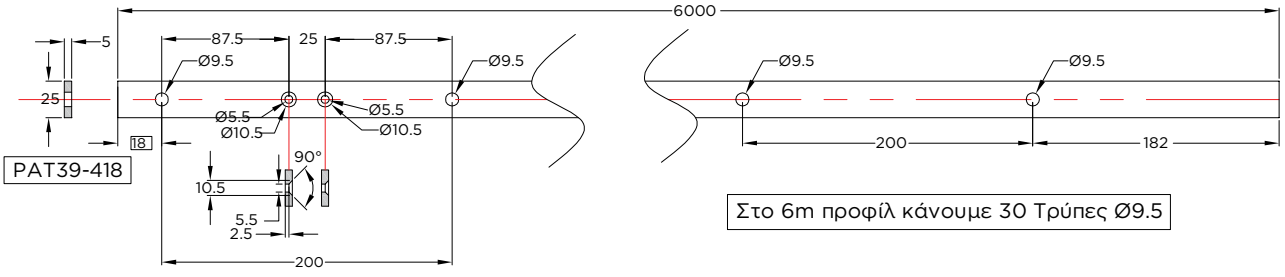
ΣΥΝΔΕΣΗ MOTER-02
MOTOR FIXATION-02



PARTS LIST

ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	APS20-1204	MOUNTING BRACKET-01	STAINLESS STEEL
2	1	APS20-1205	MOUNTING BRACKET-02	ALUMINUM 6063-T66
3	2	APS20-1309	Piston Stand-Off	BRASS
4	1	DIN 7991 - M8x45	Hexagon socket countersunk head cap screws	STAINLESS STEEL
5	2	DIN 7991 - M6x8	Hexagon socket countersunk head cap	STAINLESS STEEL
6	1	DIN 7982-C -6.3x16	SheetMetal Screw Countersunk	STAINLESS STEEL
7	1	DIN 7982-C -6.3x22	SheetMetal Screw Countersunk	STAINLESS STEEL
8	1	DIN 985-M8	Hex Lock Nut	STAINLESS STEEL

APS20-1501



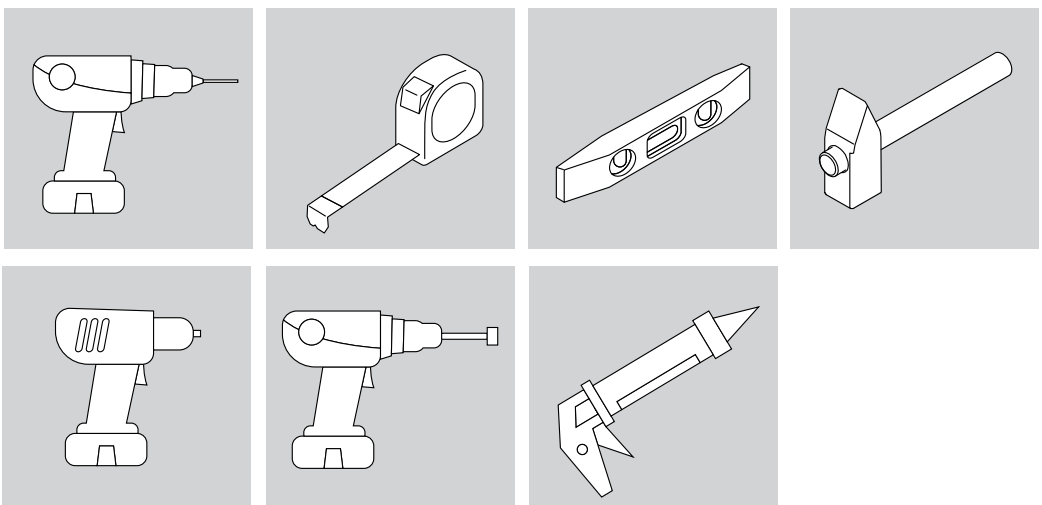
Στο 6m προφίλ κάνουμε 30 Τρύπες Ø9.5

Freedom
Bioclimatic
Pergola

ALUMINCO

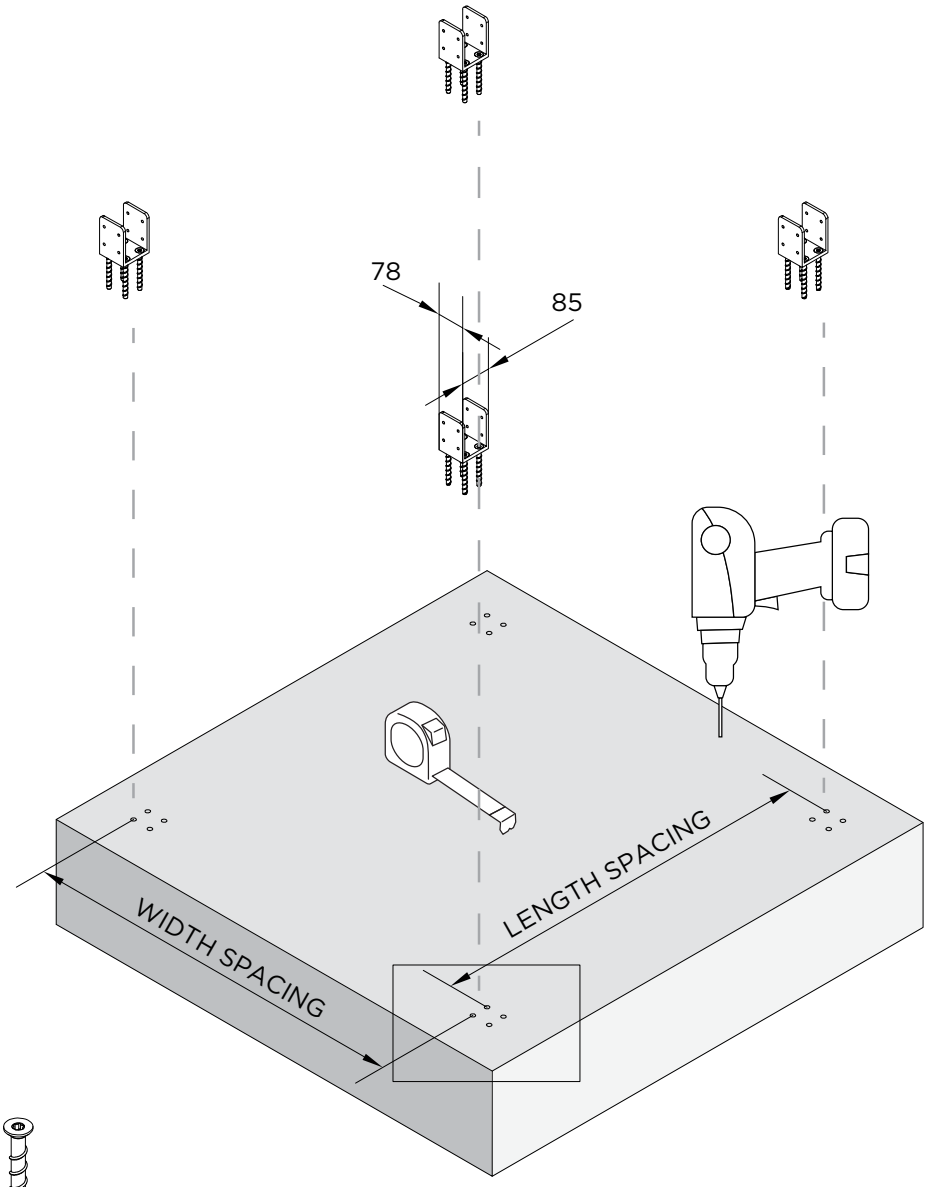
ΟΔΗΓΙΕΣ ΕΓΚΑΤΑΣΤΑΣΗΣ / INSTALLATION MANUAL

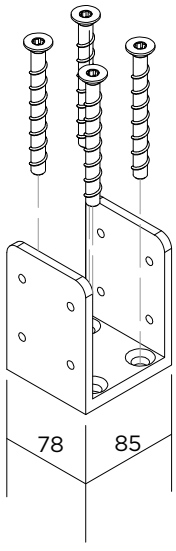
REQUIRED TOOLS

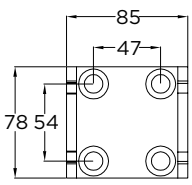




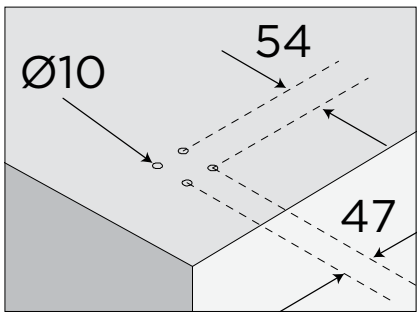
1-A1 ΣΤΕΡΕΩΣΗ ΣΤΑΘΕΡΩΝ ΚΟΛΩΝΩΝ ΣΤΟ ΕΔΑΦΟΣ
INSTALLING FIXED POSTS ONTO GROUND



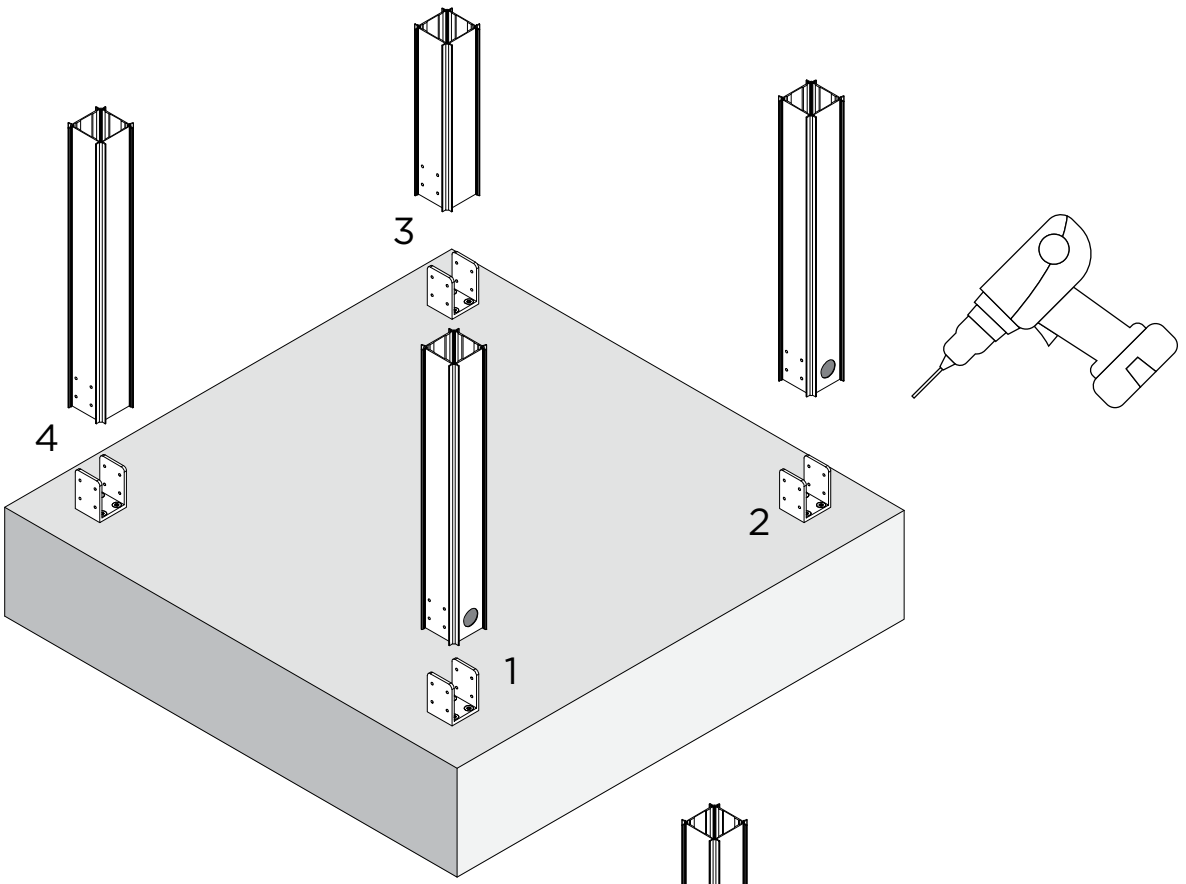


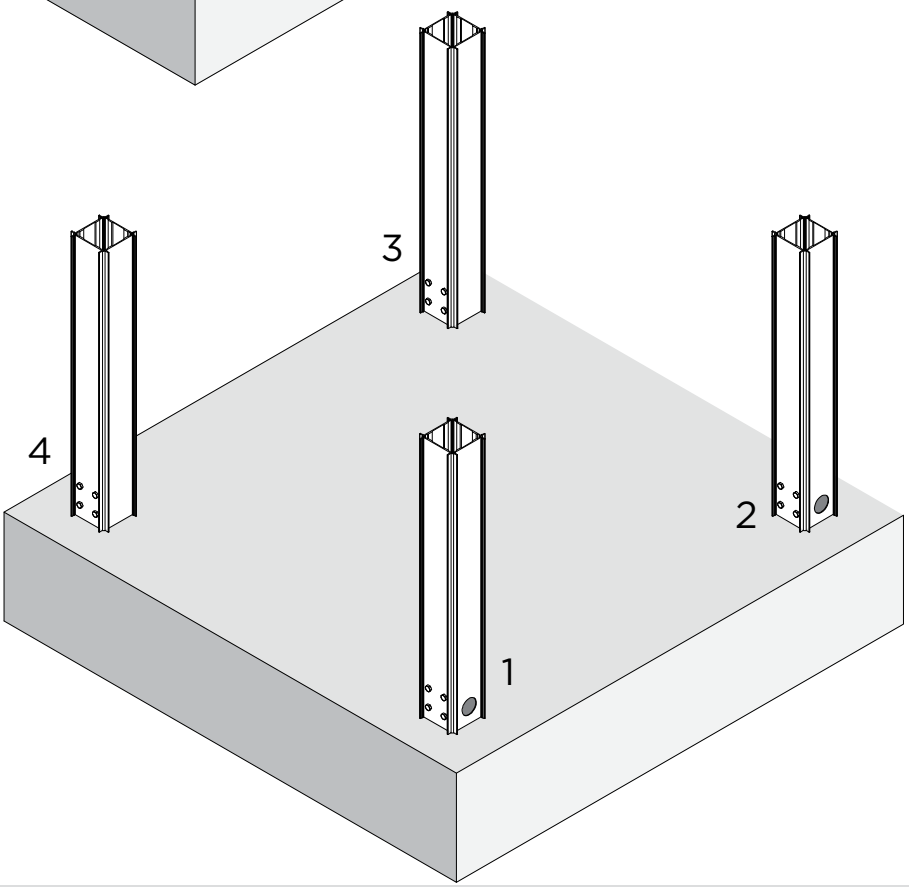


APS20-1211

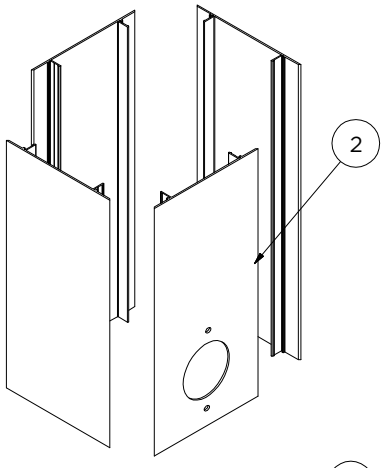


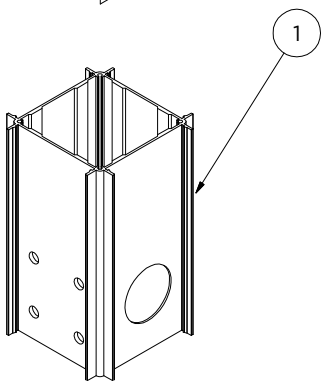
1-A2 ΣΤΕΡΕΩΣΗ ΣΤΑΘΕΡΩΝ ΚΟΛΩΝΩΝ ΣΤΟ ΕΔΑΦΟΣ
INSTALLING FIXED POSTS ONTO GROUND

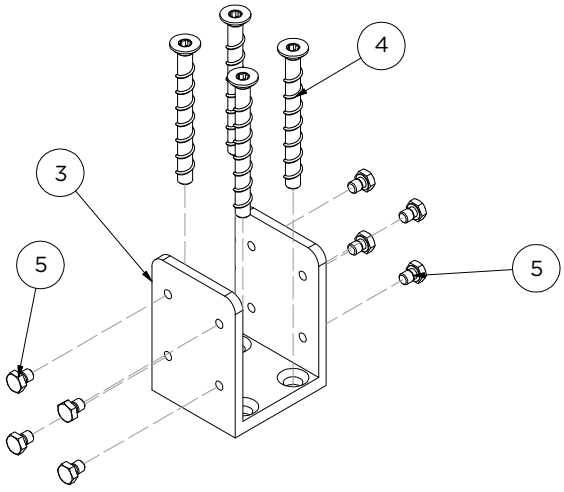


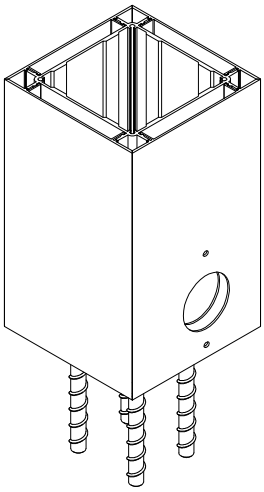


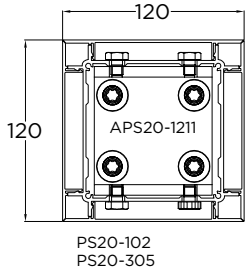
1-A3 ΣΤΑΘΕΡΟ ΠΕΛΜΑ ΒΙΟΚΛΙΜΑΤΙΚΗΣ ΠΕΡΓΚΟΛΑΣ
BIO-PERGOLA STANDARD FIXING FOOTPLATE



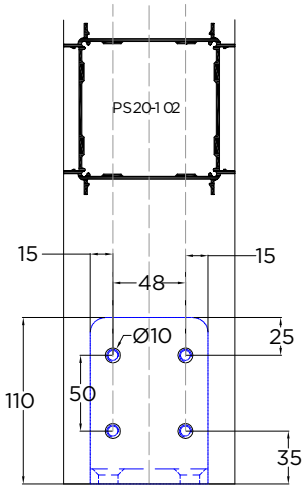


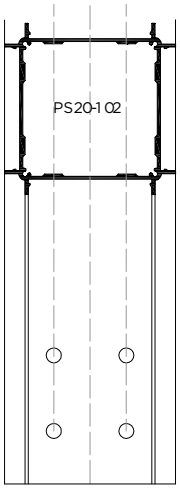






PS20-102
PS20-305



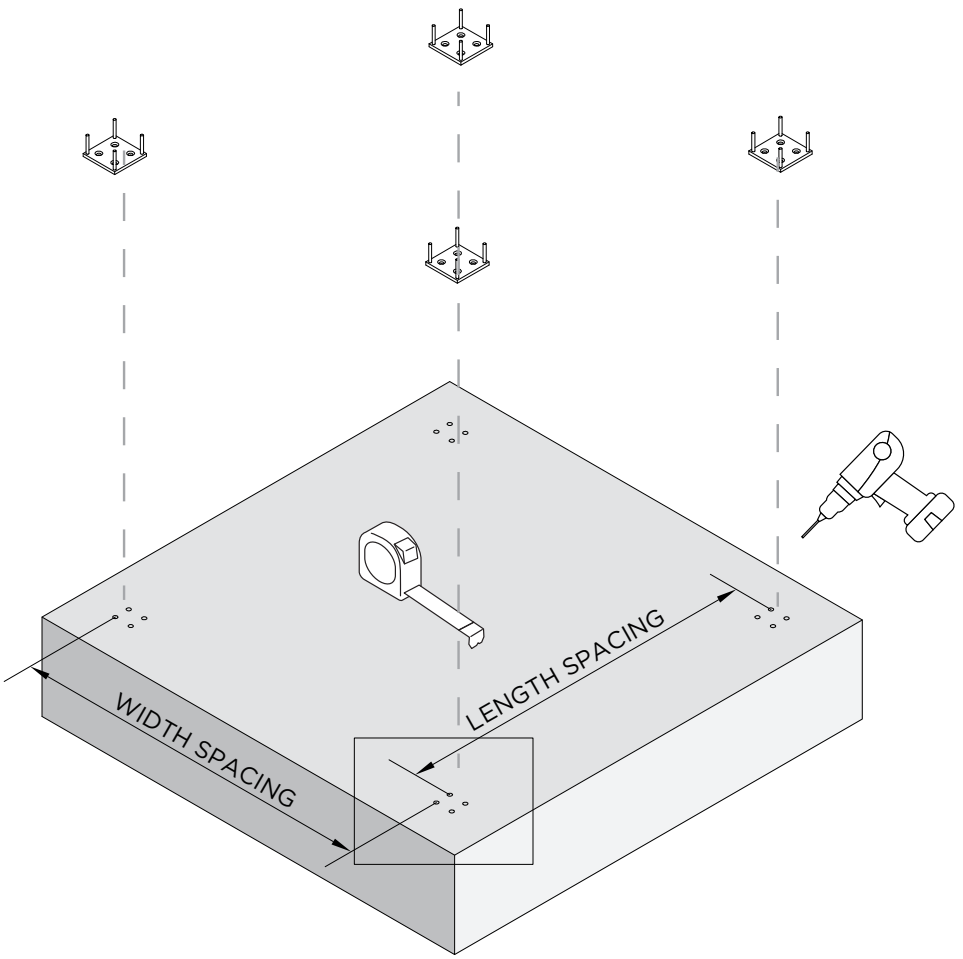


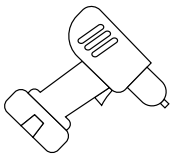
POST HOLES DRILLING FOR FIXING FOOTPLATE

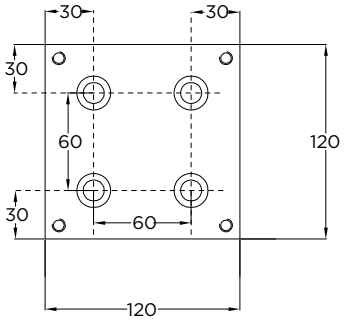
PARTS LIST

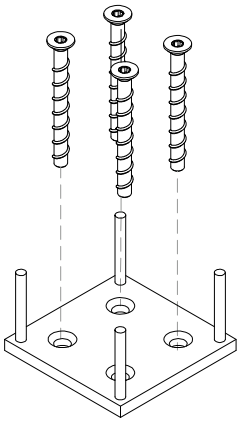
ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	1	PS20-305	POST COVER	ALUMINUM 6060-T66
3	1	APS20-1211	BIO-PERGOLA FIX FOOTPLATE	GALVANIZED STEEL
4	4	EMB10-120G/2	COUNTERSUNK CONCRETE SCREW	GALVANIZED STEEL
5	8	DIN 933 - M8 x 10	Hex-Head Bolt	STAINLESS STEEL

1-B1 ΣΤΕΡΕΩΣΗ ΡΥΘΜΙΖΟΜΕΝΩΝ ΚΟΛΩΝΩΝ ΣΤΟ ΕΔΑΦΟΣ
INSTALLING ADJUSTABLE POSTS ONTO GROUND

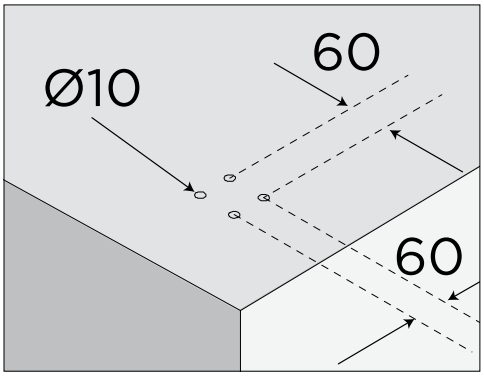




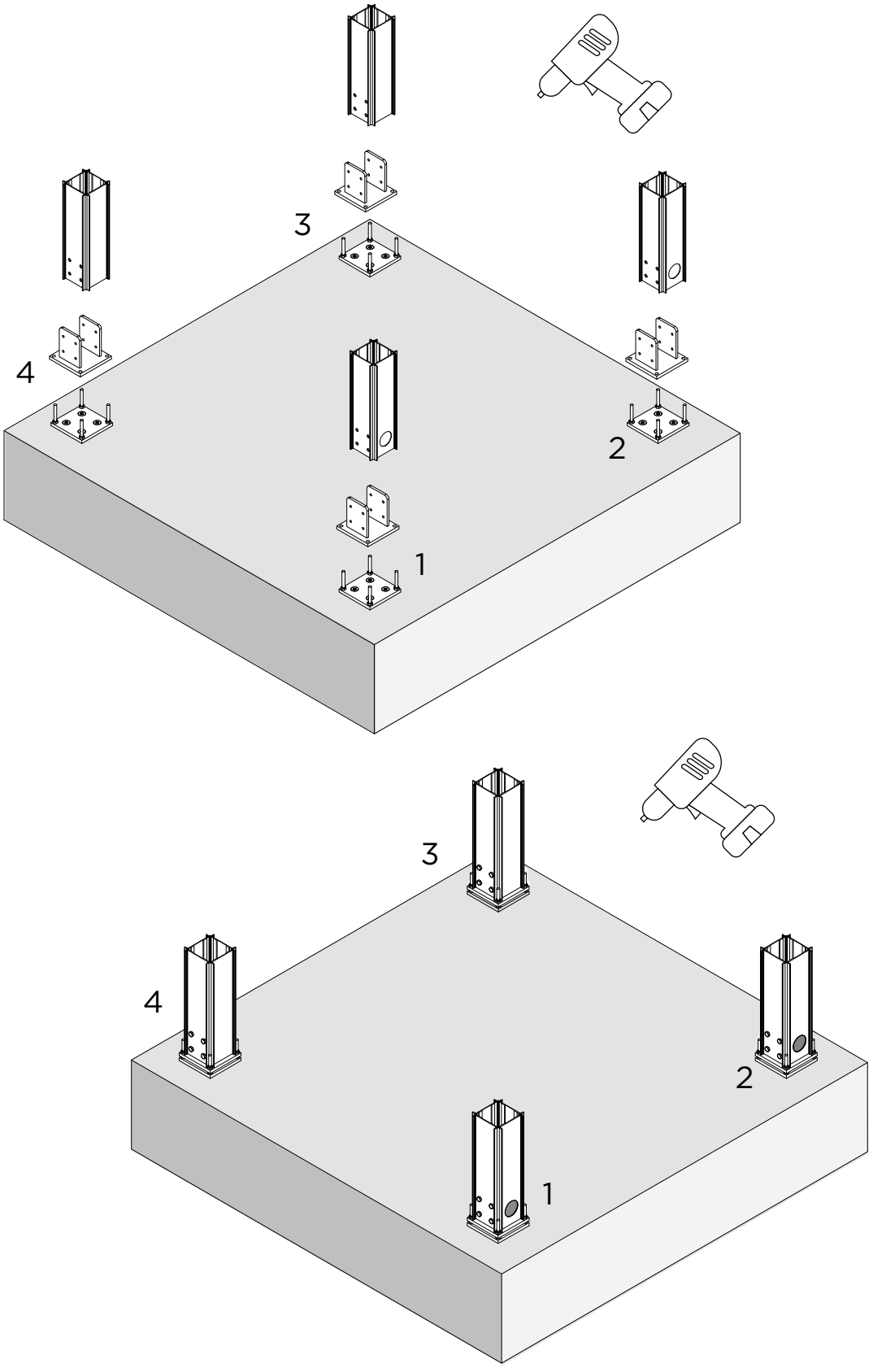




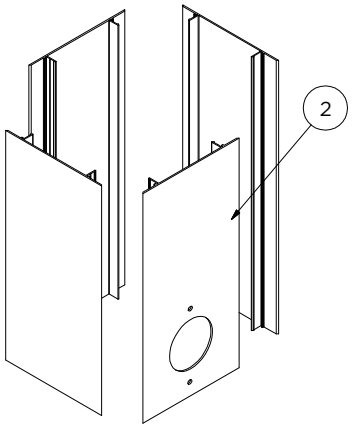
APS20-1212

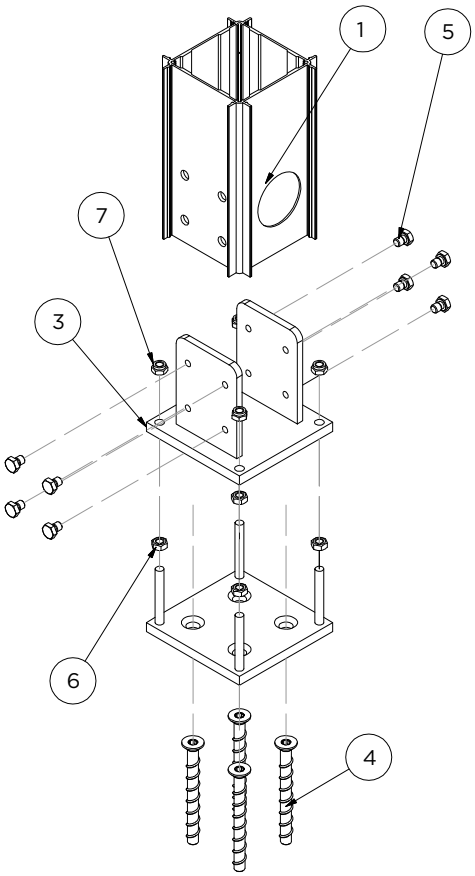


1-B2 ΣΤΕΡΕΩΣΗ ΡΥΘΜΙΖΟΜΕΝΩΝ ΚΟΛΩΝΩΝ ΣΤΟ ΕΔΑΦΟΣ
INSTALLING ADJUSTABLE POSTS ONTO GROUND

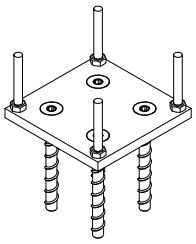


1-B3 ΡΥΘΜΙΖΟΜΕΝΟ ΠΕΛΜΑ ΒΙΟΚΛΙΜΑΤΙΚΗΣ ΠΕΡΓΚΟΛΑΣ
BIO-PERGOLA ADJUSTABLE FIXING FOOTPLATE

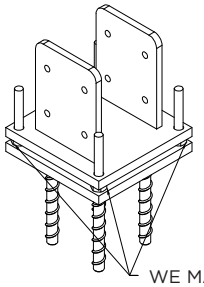




STEP-01

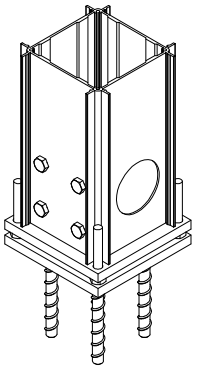


STEP-02

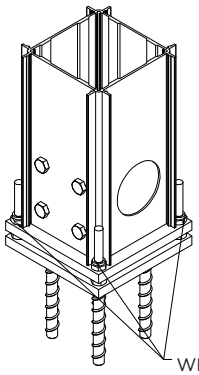


WE MAKE ALL (4) HEX-NUT ADJUSTMENTS FOR UPRIGHT POST LEVEL UP TO 2CM.

STEP-03

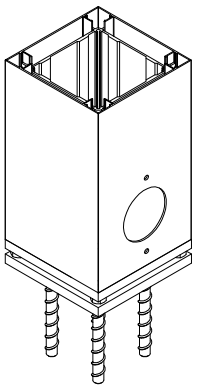


STEP-04



WE TIGHT ALL (4) HEX-LOCK NUTS FOR UPRIGHT POST

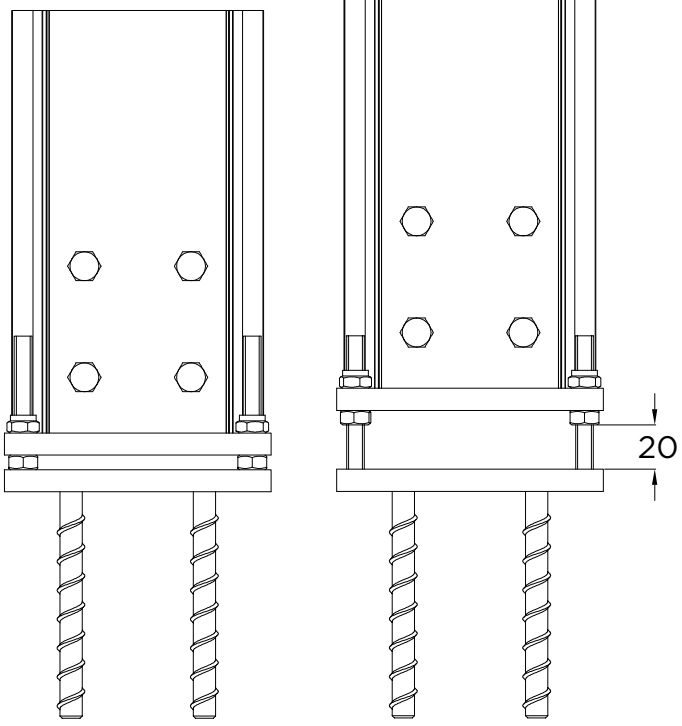
STEP-05

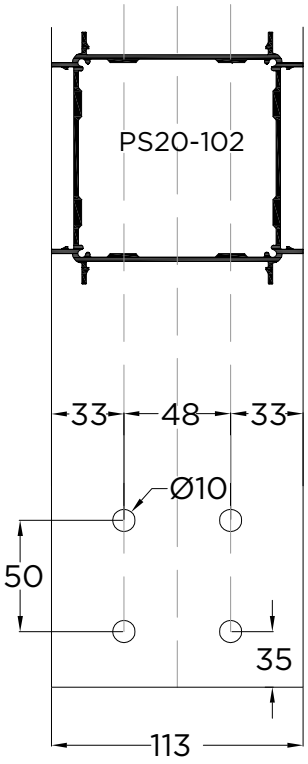


PARTS LIST

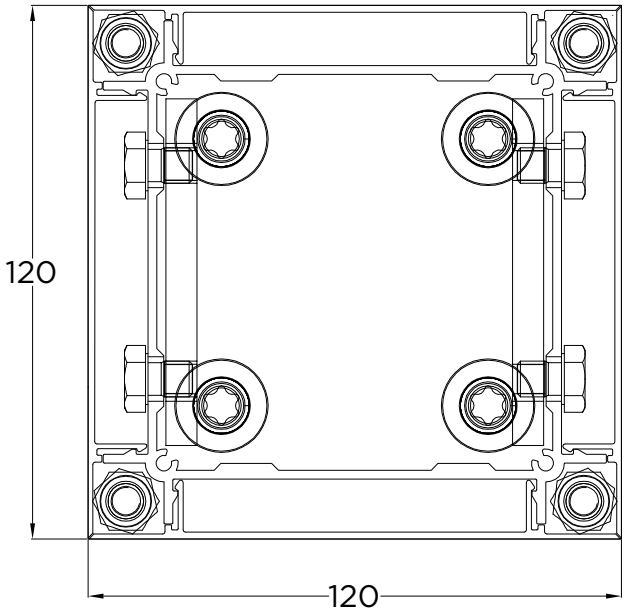
ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	1	PS20-305	POST COVER	ALUMINUM 6060-T66
3	1	APS20-1212	BIO-PERGOLA ADJUSTABLE FOOTPLATE	GALVANIZED STEEL
4	4	EMB10-120G/2	COUNTERSUNK CONCRETE SCREW	GALVANIZED STEEL
5	8	DIN 933 - M8 x 10	Hex-Head Bolt	STAINLESS STEEL
6	8	DIN 934 - M8	Hex-Nut	STAINLESS STEEL
7	8	DIN 985 - M8	Hex-Lock Nut	STAINLESS STEEL

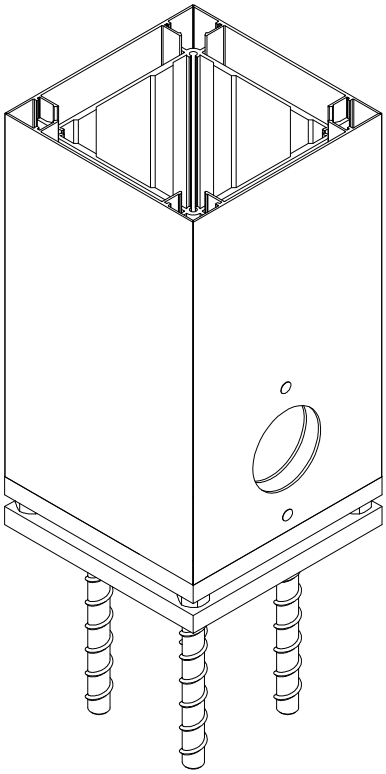
ΡΥΘΜΙΖΟΜΕΝΟ ΠΕΛΜΑ ΒΙΟΚΛΙΜΑΤΙΚΗΣ ΠΕΡΓΚΟΛΑΣ_02
PERGOLA ADJUSTABLE FIXING FOOTPLATE_02



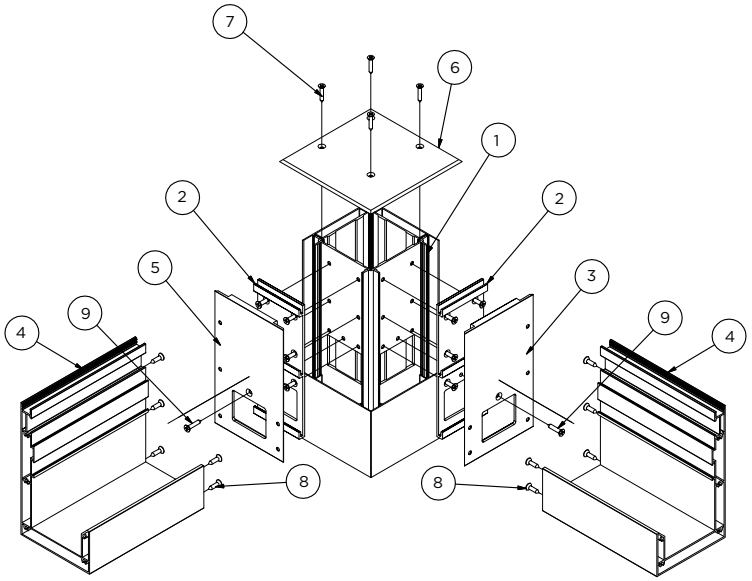


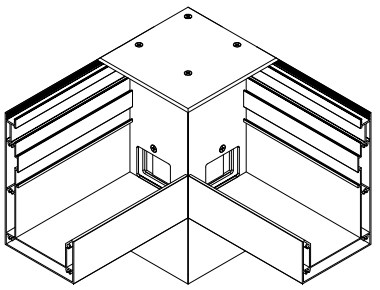
Post Holes Drilling for
Adjustable Footplate





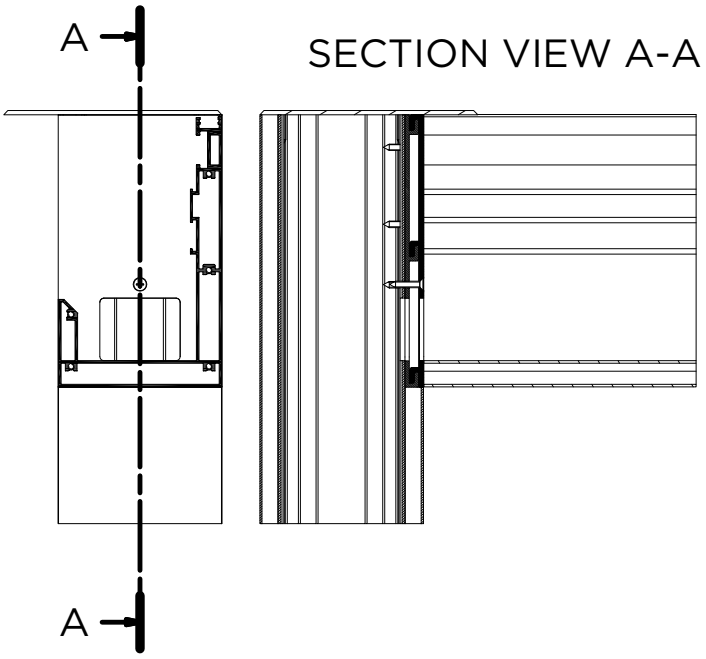
2 ΣΥΝΔΕΣΗ ΚΟΛΩΝΑΣ ΜΕ ΤΡΑΒΕΡΣΑ
POST - TRANSOM FIXATION

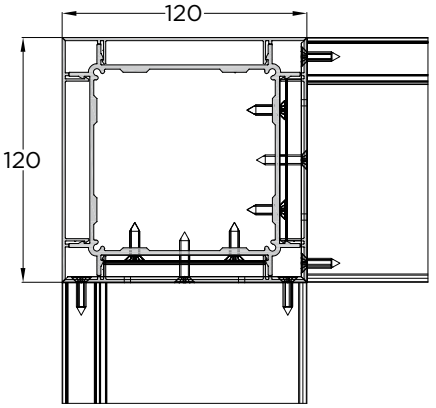




PARTS LIST

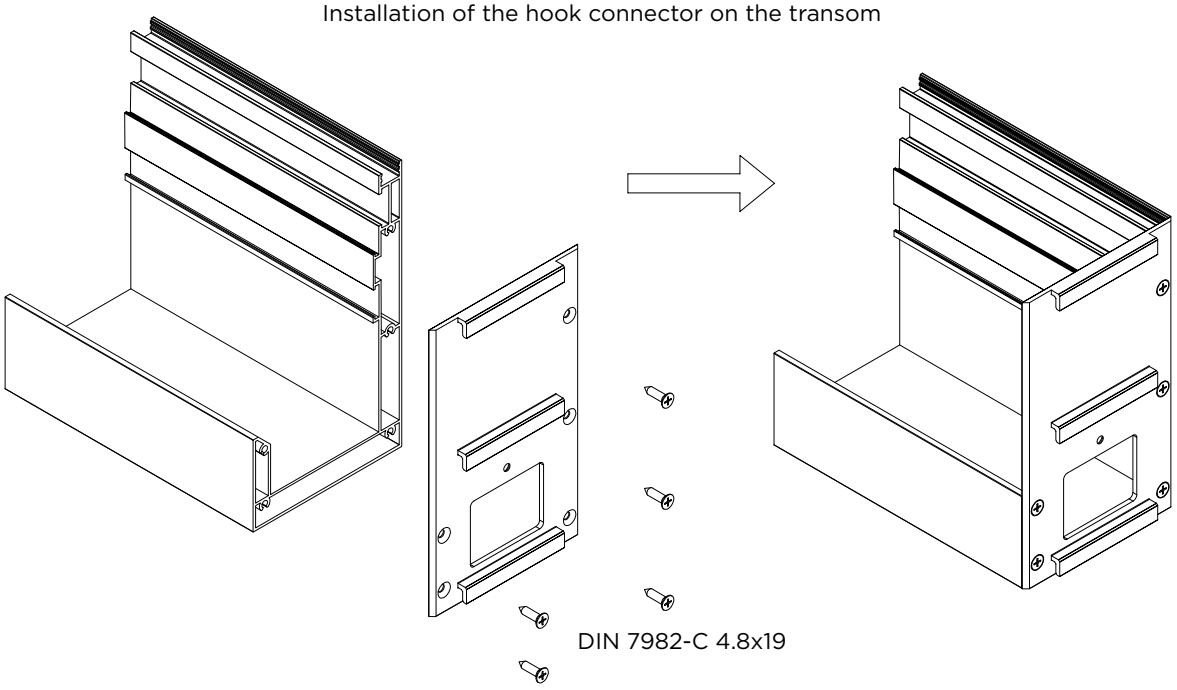
ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	2	APS20-1207	BIO-Hanger ONTO POST PS20-102	ALUMINUM 6063-T66
3	1	APS20-1206 (PAIR L/R)	BIO-Hanger ONTO TRANSOM PS20-100	ALUMINUM 6063-T66
4	2	PS20-100	Transom	ALUMINUM 6063-T66
5	1	APS20-1206 (PAIR L/R)	BIO-Hanger ONTO TRANSOM PS20-100	ALUMINUM 6063-T66
6	1	APS20-1103	Post Cover	ALUMINUM 6060-T66
7	4	DIN 7982-C 4.2x19	(Sheetmetal) Tapping Screw	STAINLESS STEEL
8	22	DIN 7982-C 4.8x19	(Sheetmetal) Tapping Screw	STAINLESS STEEL
9	2	DIN 7982-C - ST4.8x22	(Sheetmetal) Tapping Screw	STAINLESS STEEL





2A

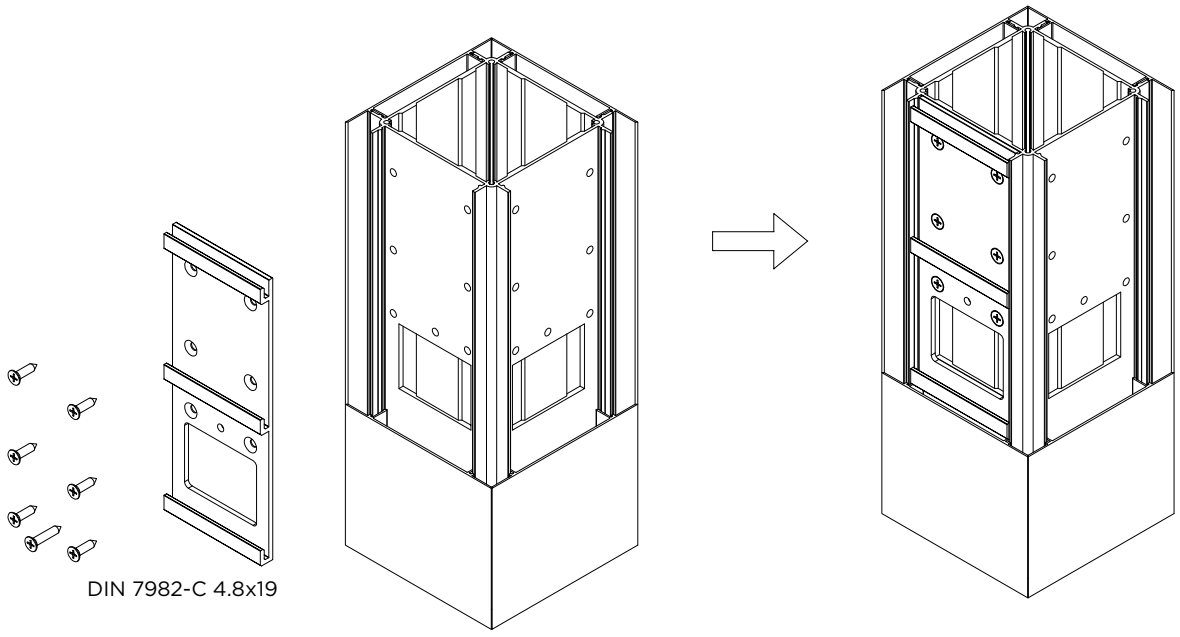
Τοποθέτηση εξαρτήματος κρεμάστρας στην τεγίδα
Installation of the hook connector on the transom



DIN 7982-C 4.8x19

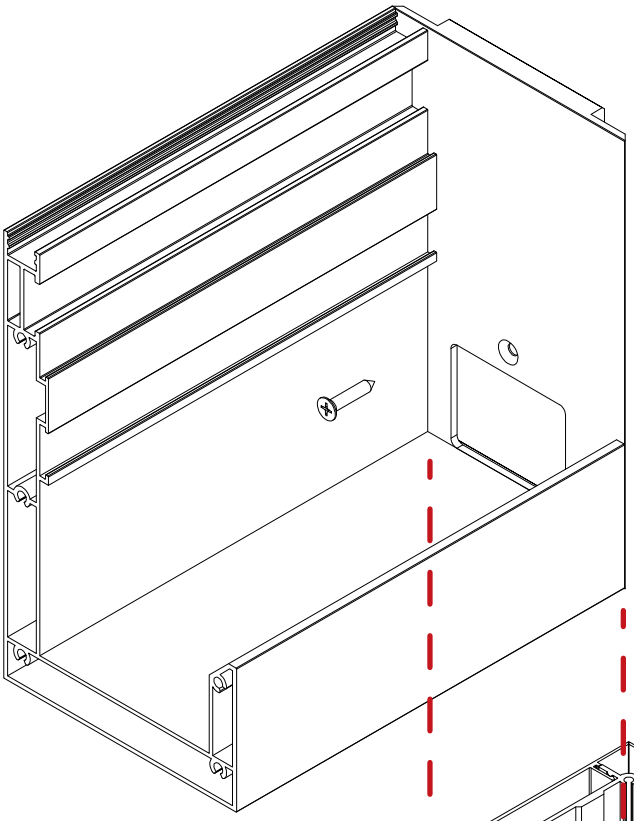
2B

Τοποθέτηση εξαρτήματος κρεμάστρας στην κολώνα
Installation of the hook connector onto the post

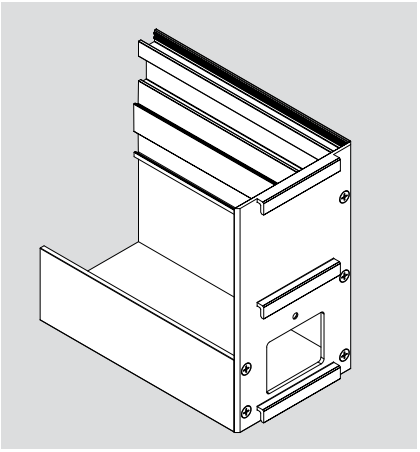


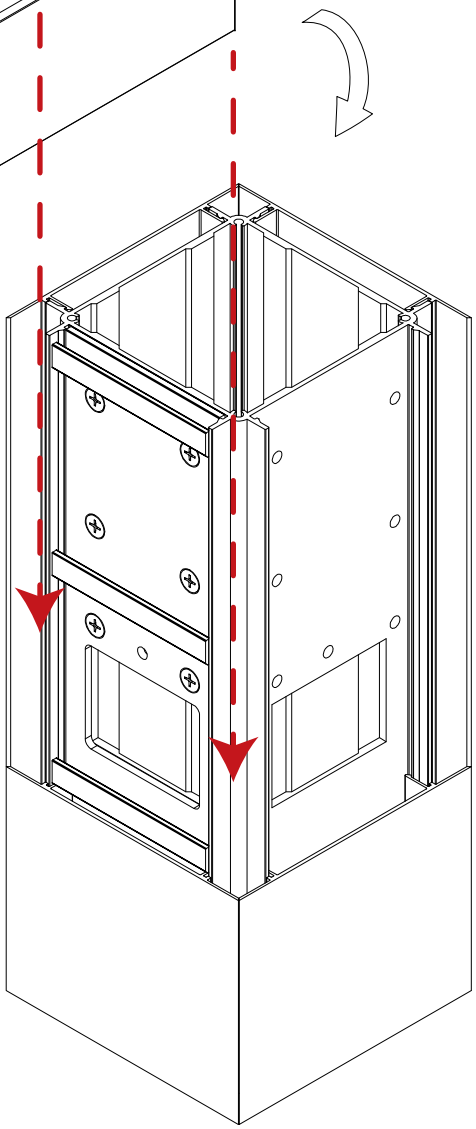
DIN 7982-C 4.8x19

2C



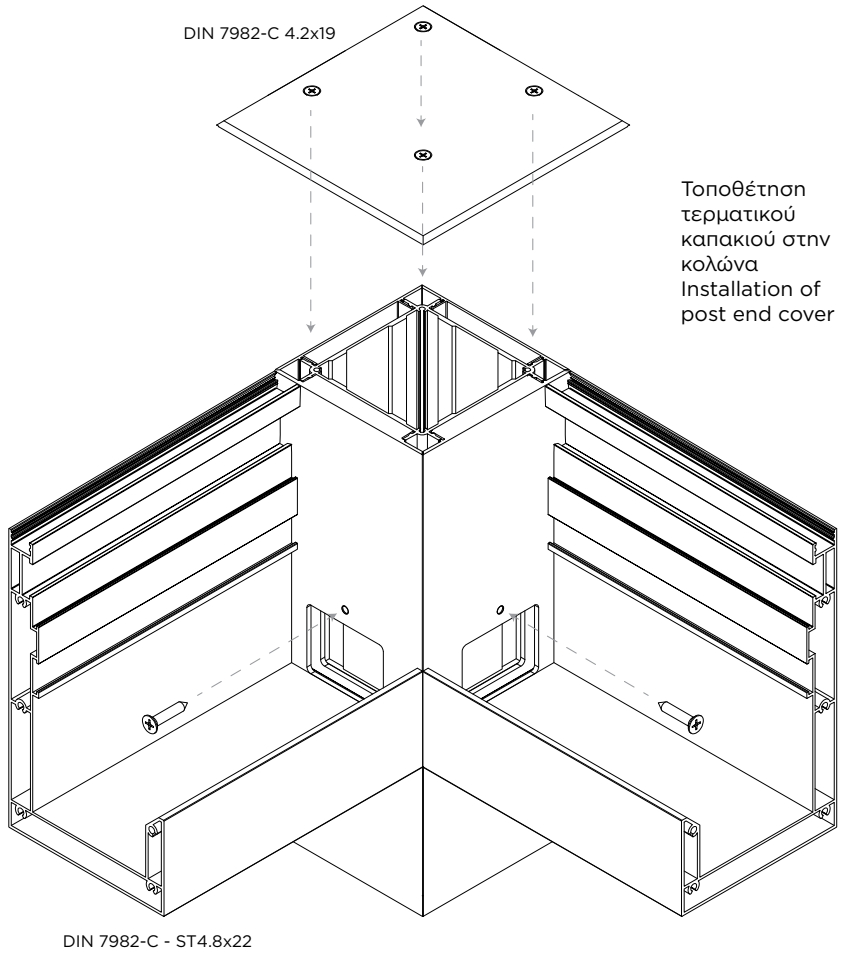
DIN 7982-C - ST4.8x22

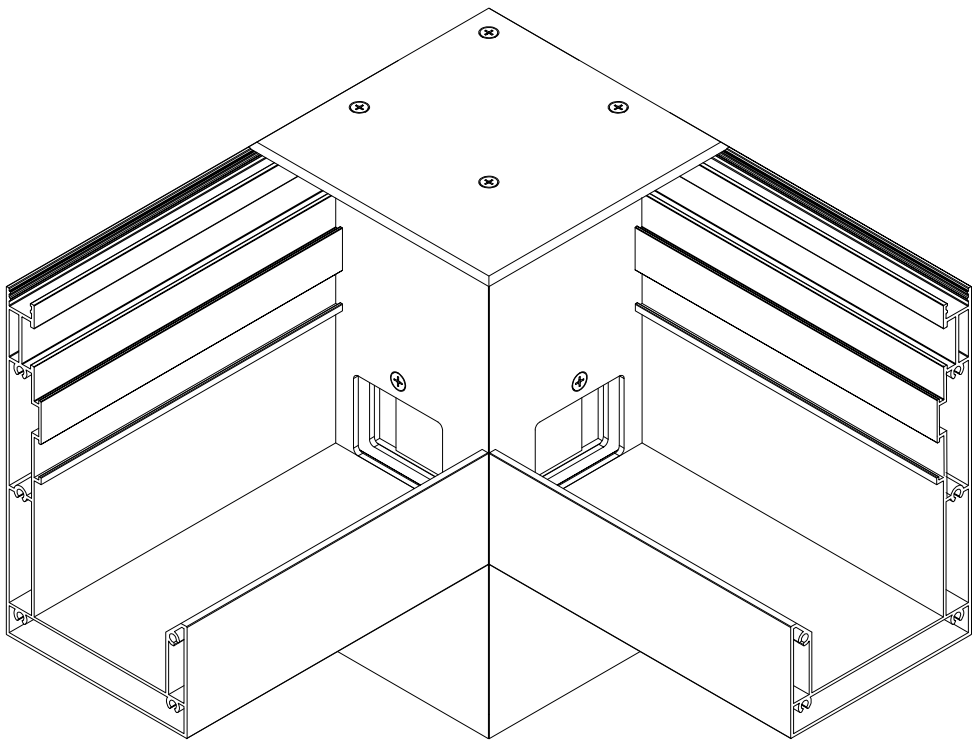




Σύνδεση κολώνας με τραβέρσα
Post - transom fixation

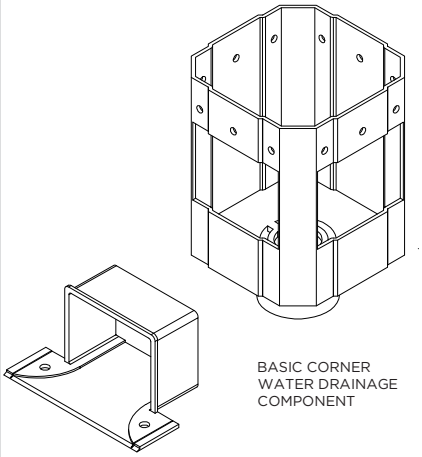
2D


DIN 7982-C 4.2x19
Τοποθέτηση τερματικού καπακιού στην κολώνα
Installation of post end cover
DIN 7982-C - ST4.8x22



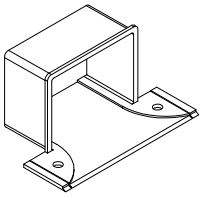
3 ΣΥΝΔΕΣΗ ΚΟΛΩΝΑΣ ΜΕ ΠΛΑΣΤΙΚΗ ΥΔΡΟΡΟΗ
POST - PLASTIC WATER DRAINAGE FIXATION

APS20-1303

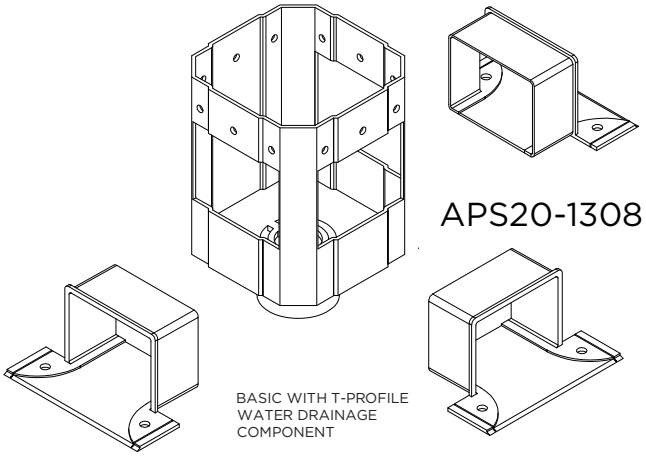


BASIC CORNER
WATER DRAINAGE
COMPONENT

APS20-1308



APS20-1304

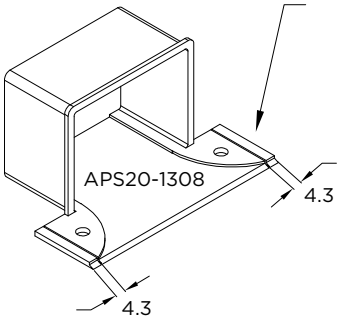


BASIC WITH T-PROFILE
WATER DRAINAGE
COMPONENT

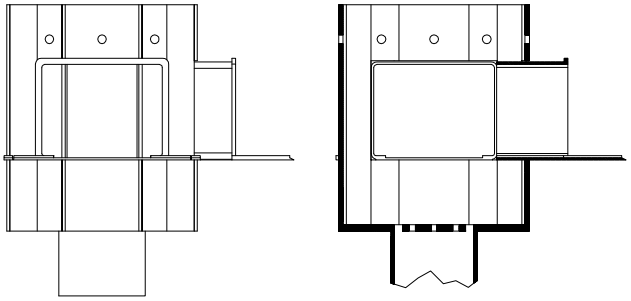
APS20-1308

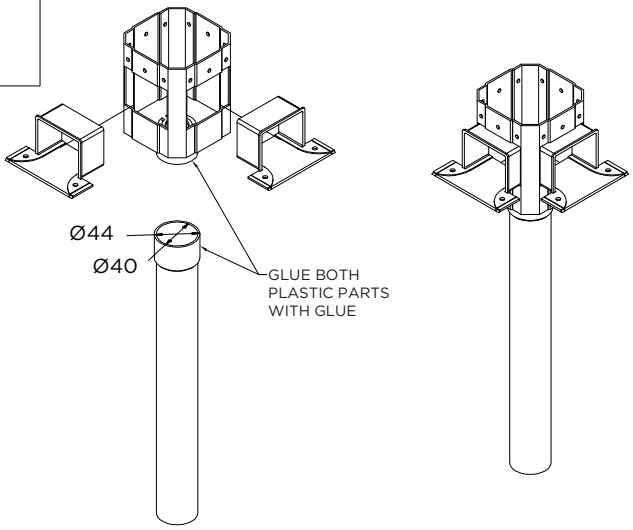
NOTE:

Due to the fact that
the plastic shim will extend up to
both sides of the transom profile,
then we will have to easily cut-off (with
a cutter, or hand) the 4,3mm material
from respective side we need during the
BIO-Pergola installation!

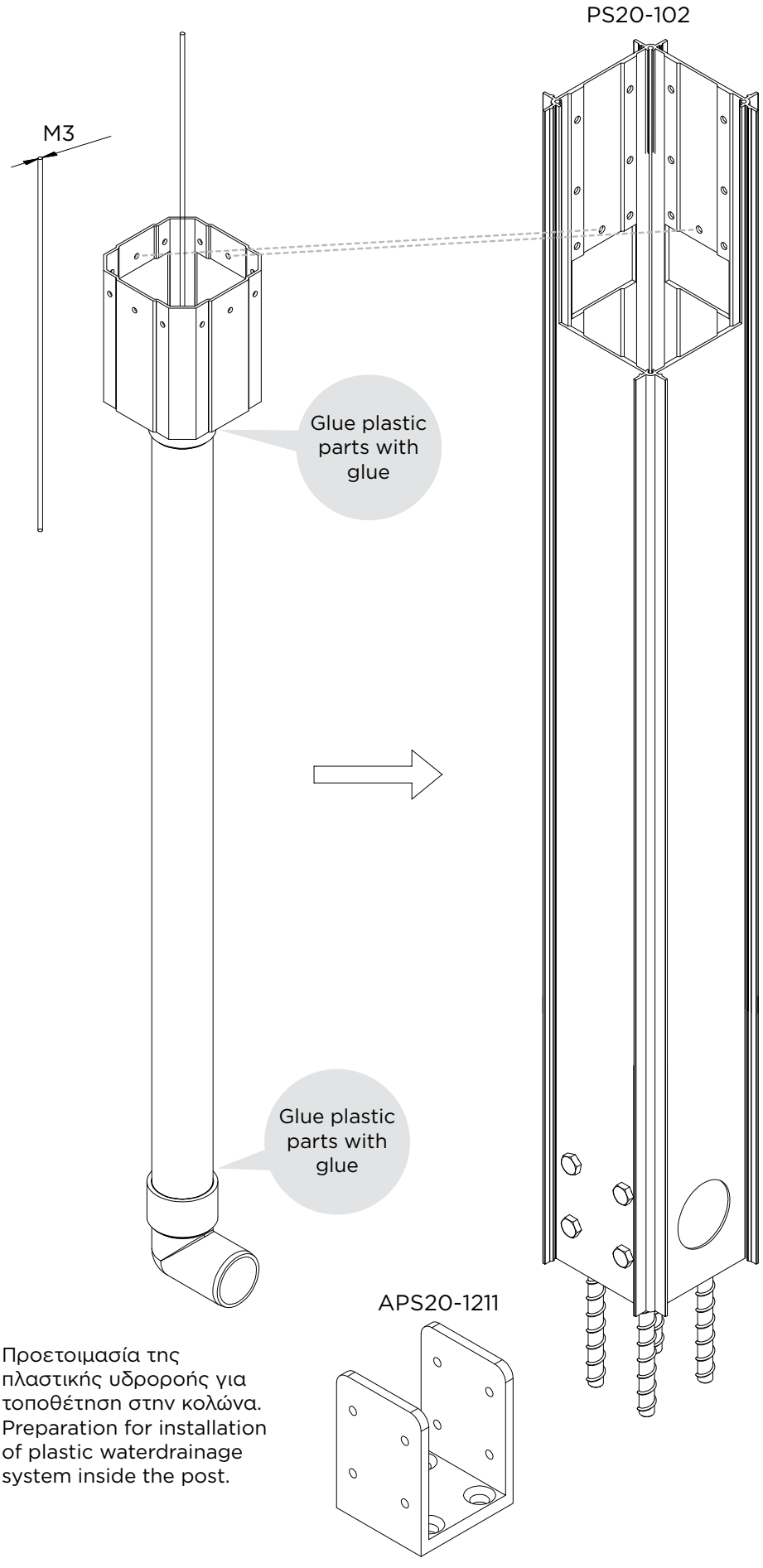


SECTION VIEW A-A



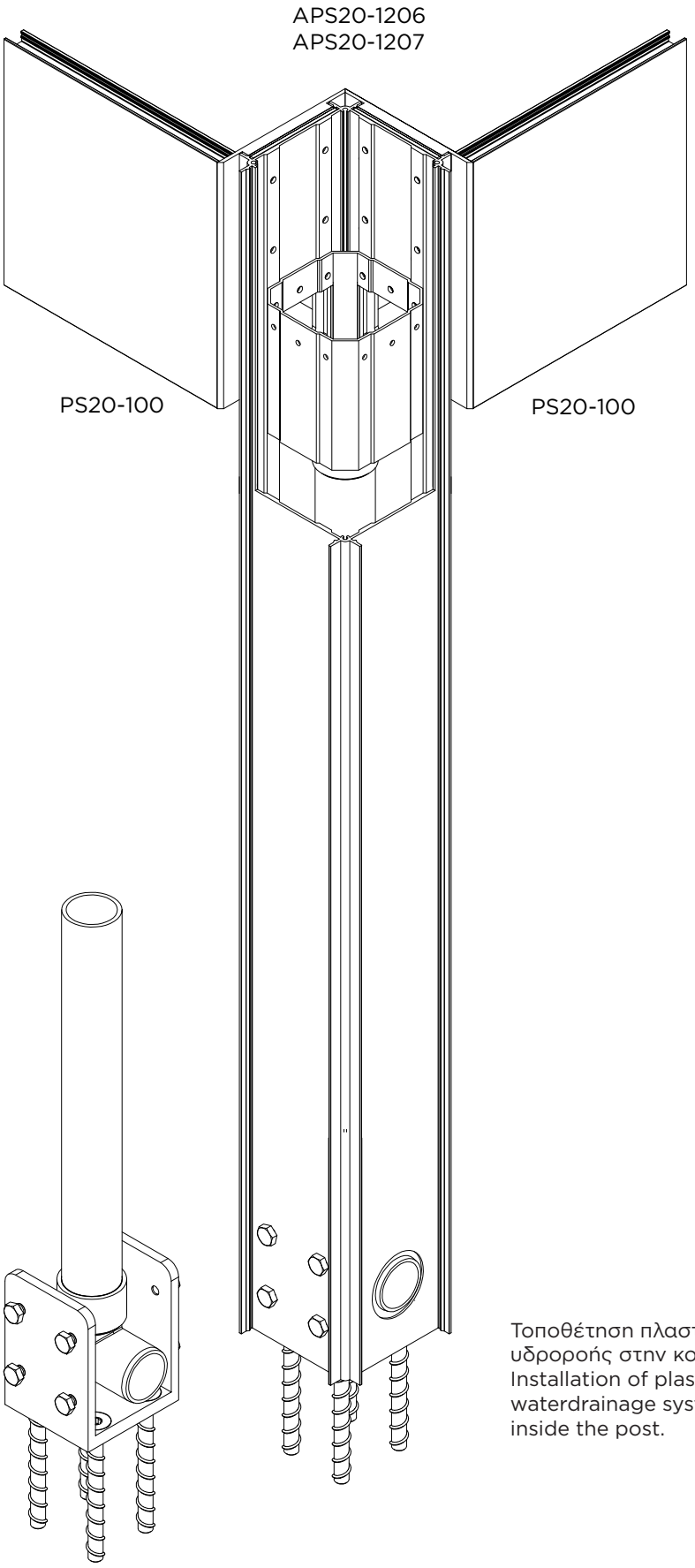


3A

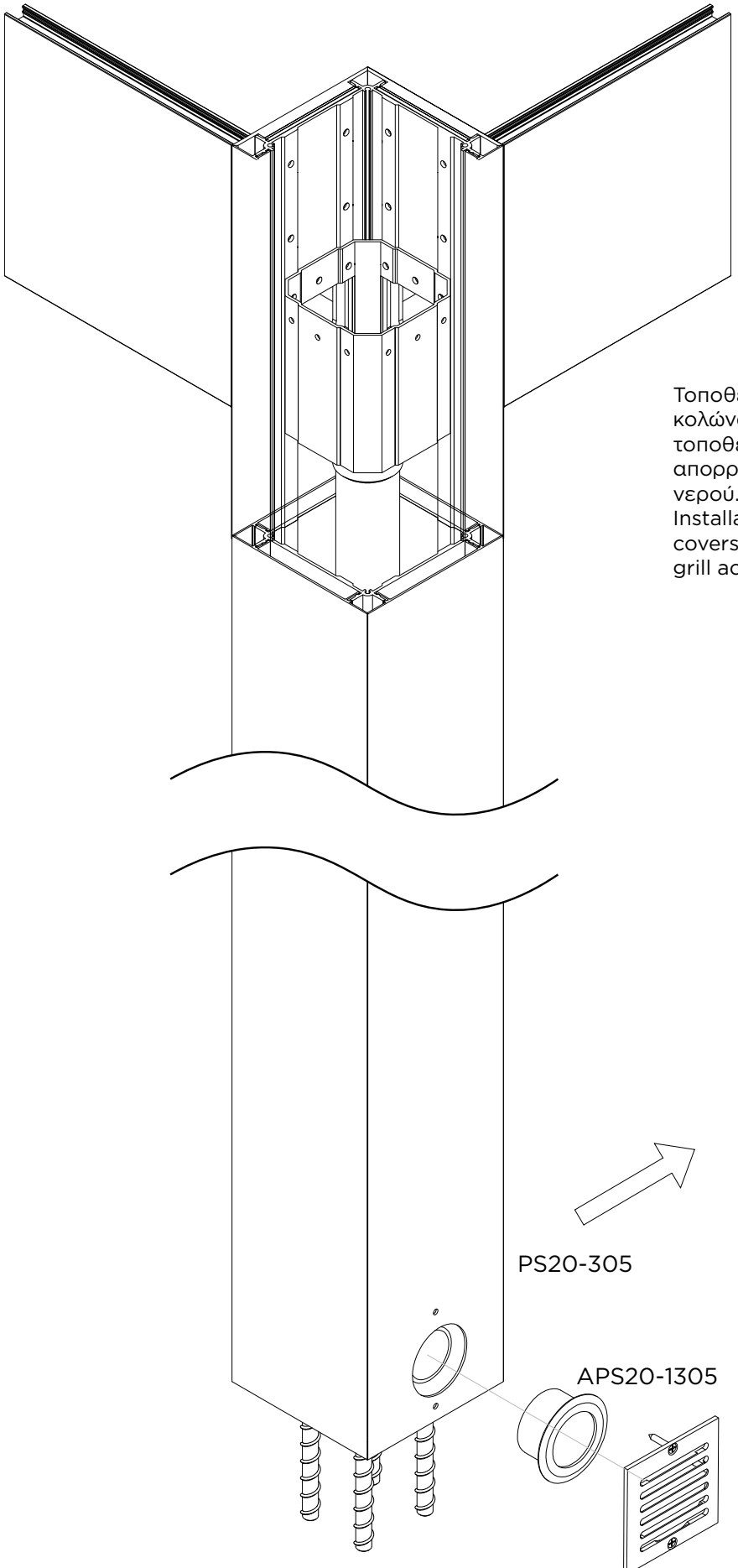


Προετοιμασία της πλαστικής υδρορροής για τοποθέτηση στην κολώνα.
Preparation for installation of plastic waterdrainage system inside the post.

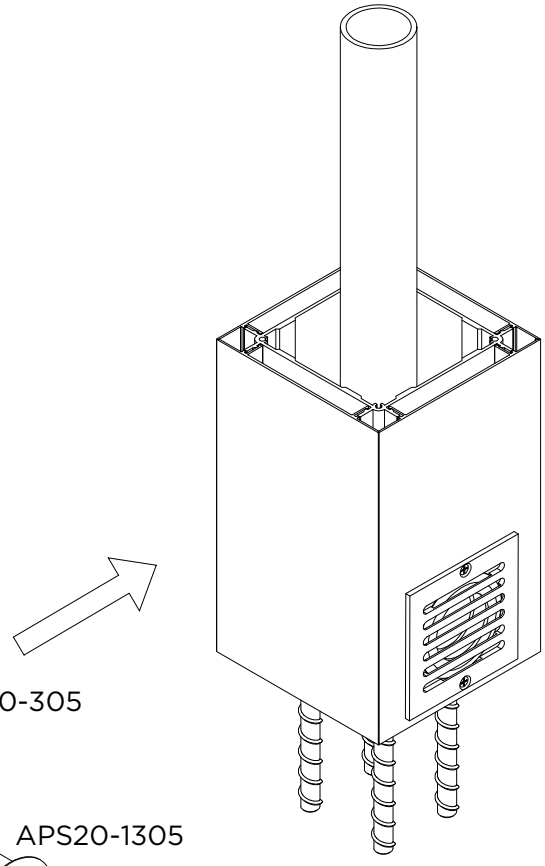
3B



Τοποθέτηση πλαστικής υδρορροής στην κολώνα.
Installation of plastic waterdrainage system inside the post.



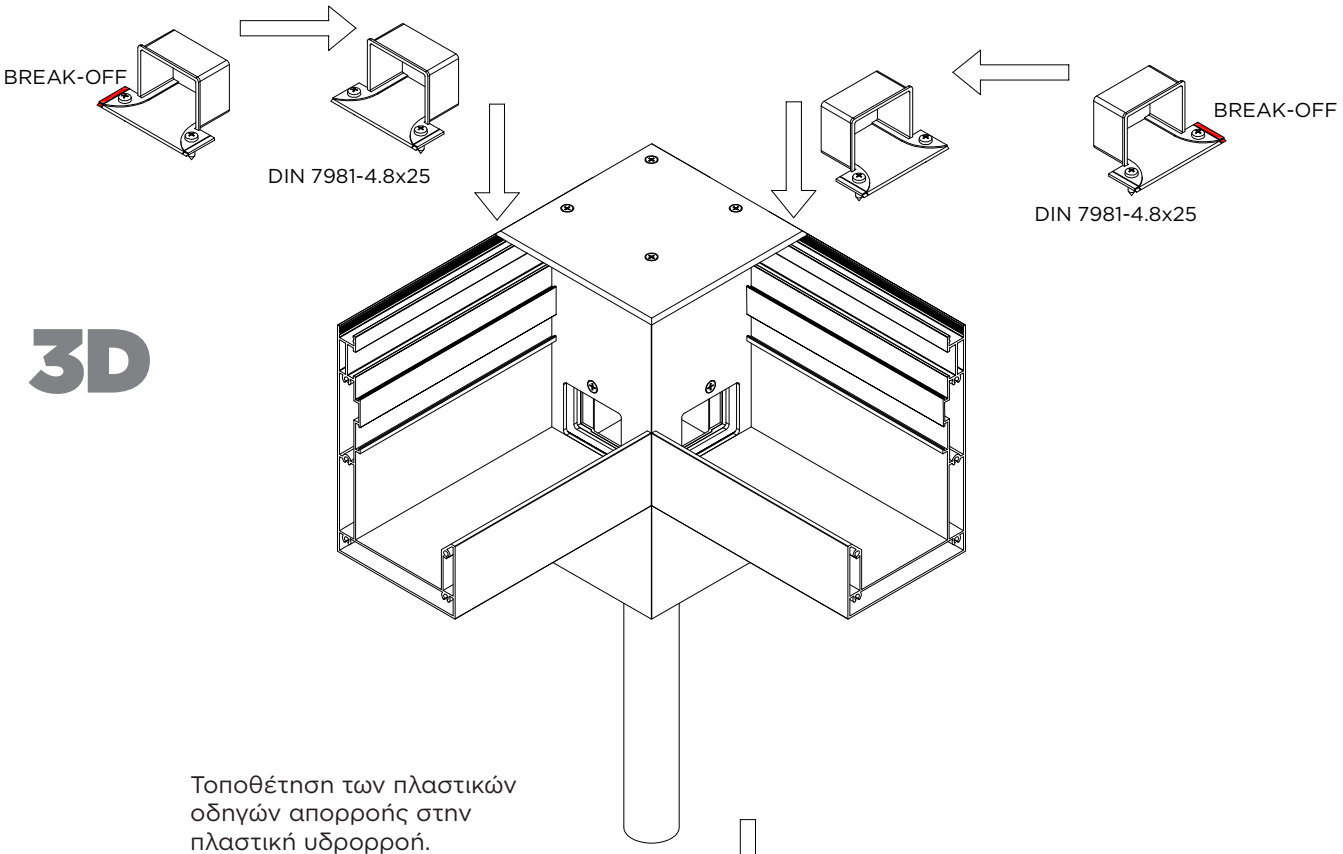
Τοποθέτηση καπακίων κολώνας καθώς και τοποθέτηση σχάρας απορροής του βρόχινου νερού.
Installation of post end covers and water drainage grill accessory



PS20-305

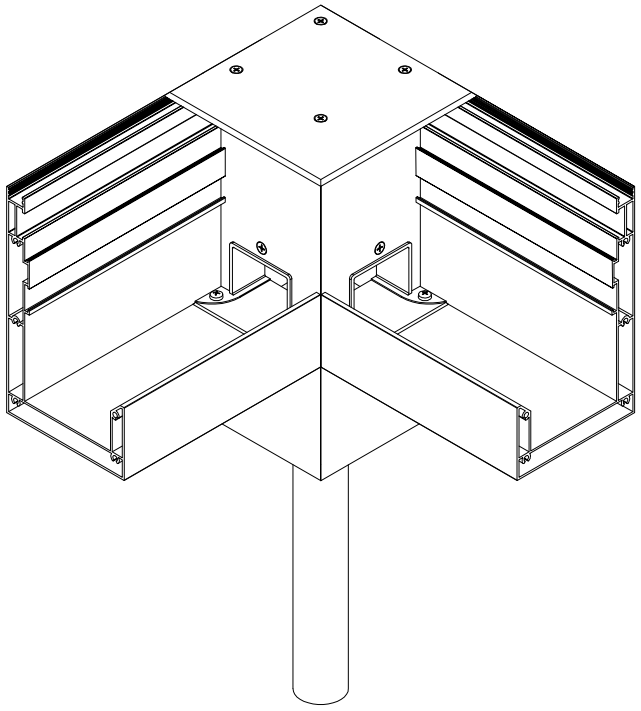
APS20-1305

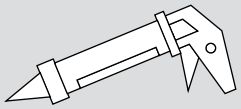
APS20-1311



3D

Τοποθέτηση των πλαστικών οδηγών απορροής στην πλαστική υδρορροή.
Installation of the plastic guide accessories for the water drainage system.

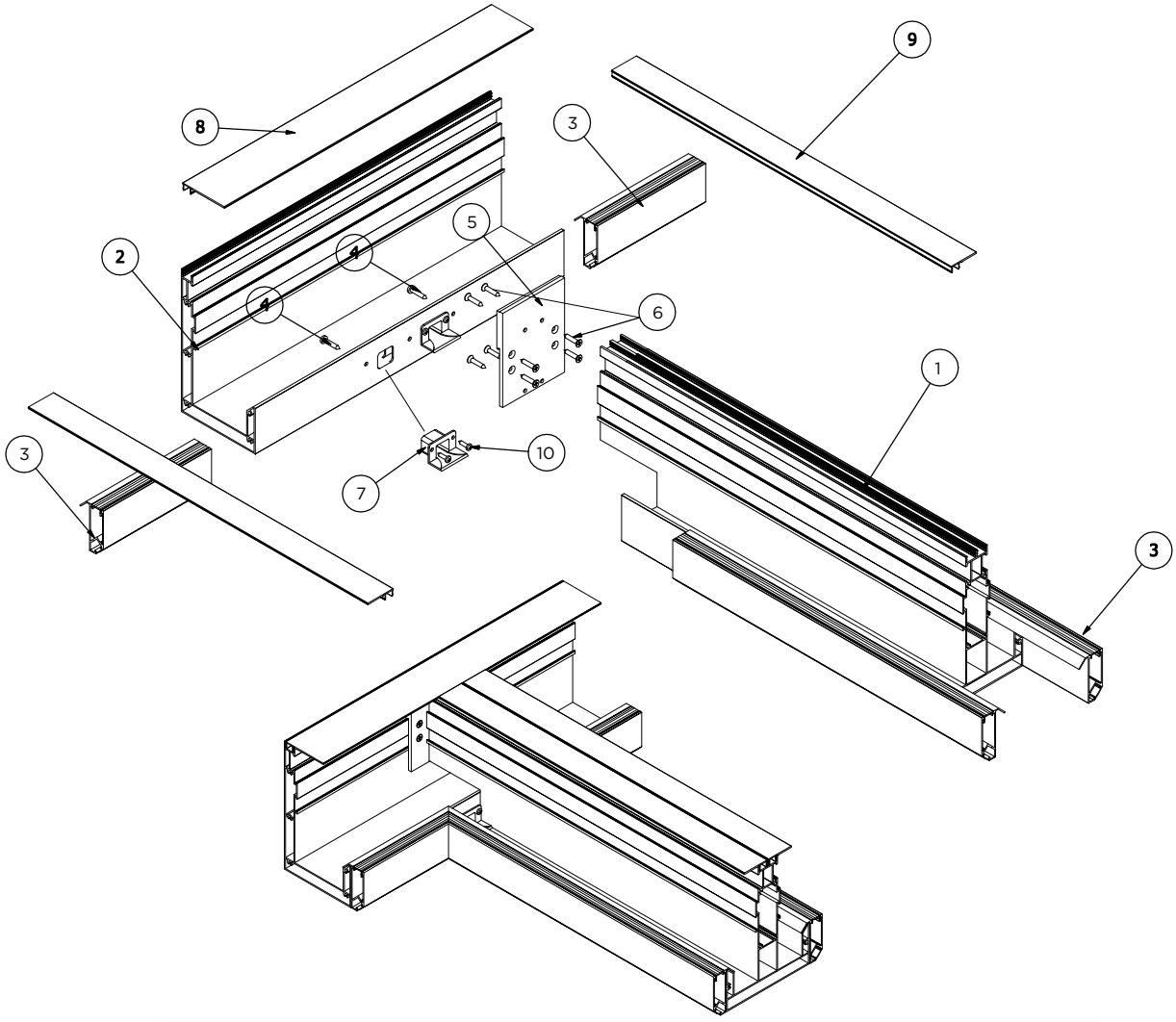




Η χρήση σιλικόνης είναι υποχρεωτική σε όλα τα σημεία της κατασκευής στα οποία έχουμε αρμούς, στοιχεία στήριξης και συνδέσεις εξαρτημάτων μεταξύ τους και από τα οποία υπάρχει πάντα ο κίνδυνος να περάσει το βρόχινο νερό με κατεύθυνση προς το εσωτερικό της πέργκολας.

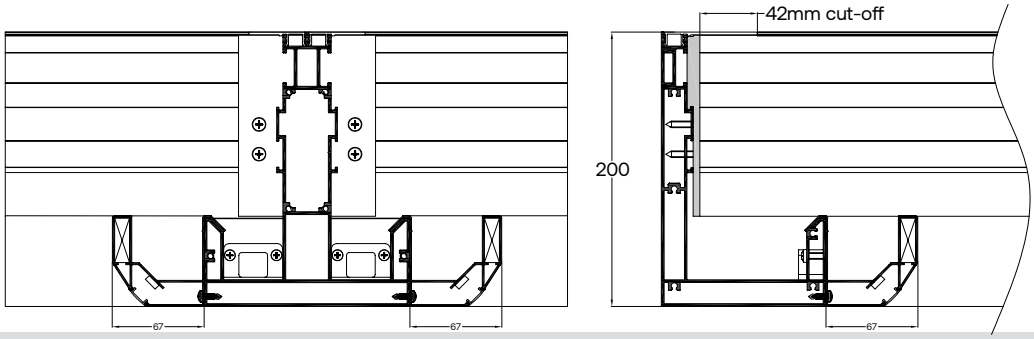
The use of silicone is mandatory in all parts of the construction in which we have joints, support elements and connections of parts between them and through which there is always a risk of rainwater passing towards the inside of the pergola.

4 ΣΥΝΔΕΣΗ ΤΡΑΒΕΡΣΑ ΜΕ ΤΑΥ
T-PROFILE - TRANSOM FIXATION



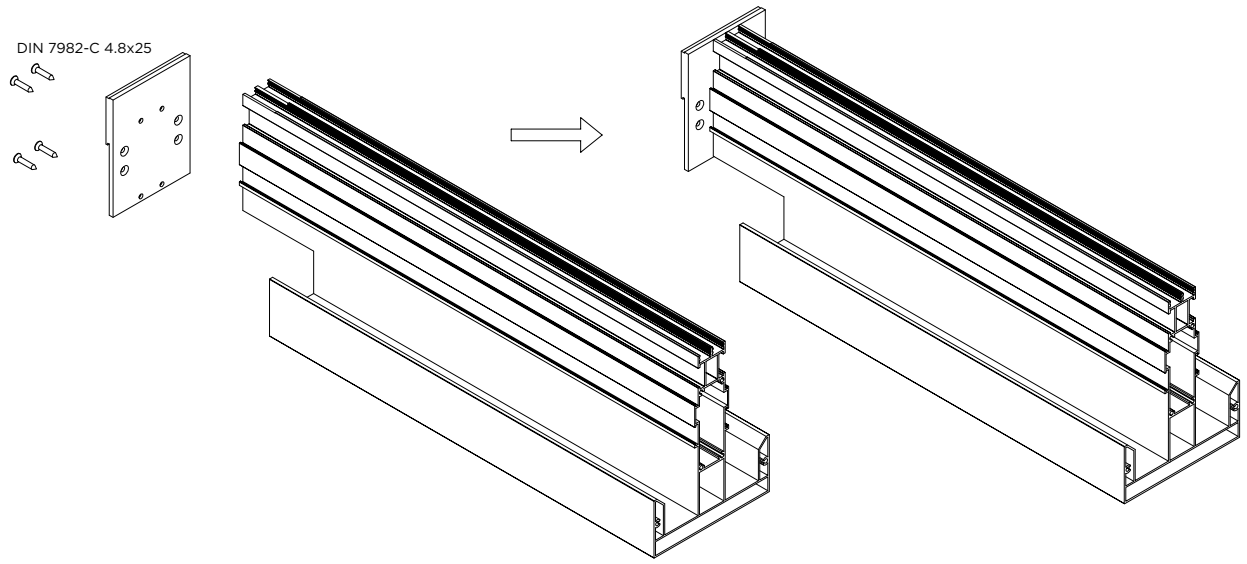
PARTS LIST

ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-101	T-Profile	ALUMINUM 6063-T66
2	1	PS20-100	Transom Profile	ALUMINUM 6063-T66
3	4	PS20-304	Transom & T-Profile Clipping Profile	ALUMINUM 6060-T66
4	2	DIN 6928-4.8x25	Sheetmetal Screw	STAINLESS STEEL
5	1	APS20-1210	T-Profile Hanger	ALUMINUM 6063-T66
6	8	DIN 7982-C 4.8x25	Sheetmetal Screw	STAINLESS STEEL
7	2	APS20-1307	T-Profile Plastic Water Drainage	PLASTIC
8	1	PS20-306	Transom Cover Profile	ALUMINUM 6060-T66
9	2	PS20-307	T-Profile Cover Profile	ALUMINUM 6060-T66
10	4	DIN 7981- 4.2x16	Sheetmetal Screw	STAINLESS STEEL

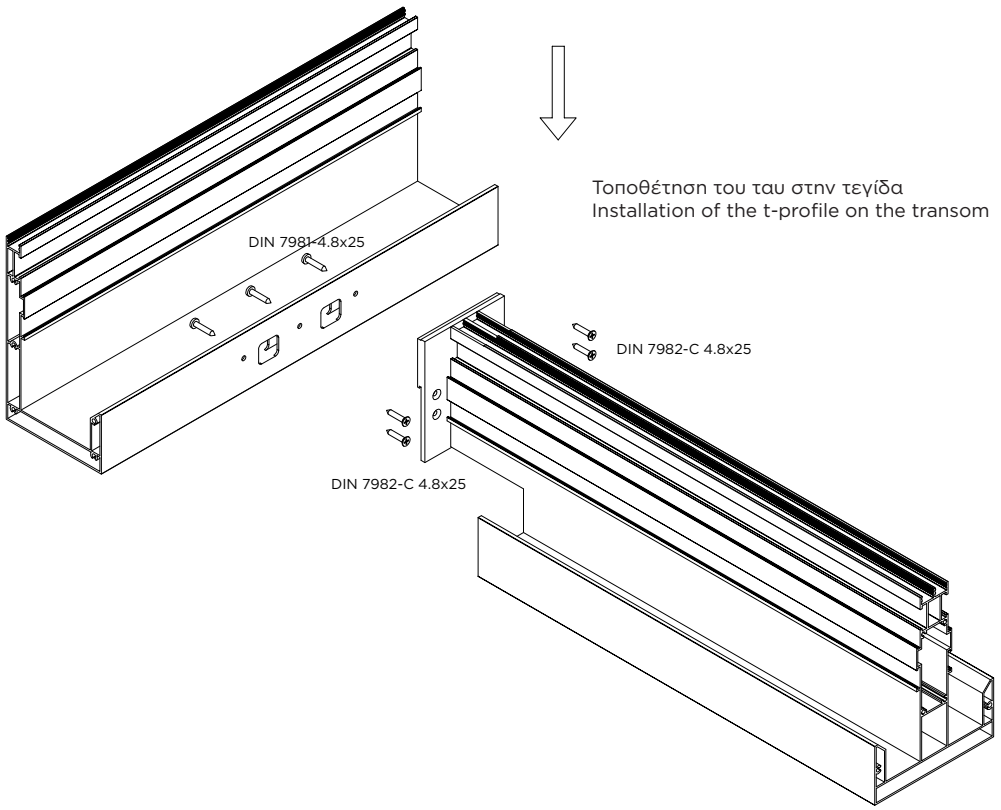


4A

Τοποθέτηση εξαρτήματος κρεμάστρας στο ταυ
Installation of the hook connector on the t-profile



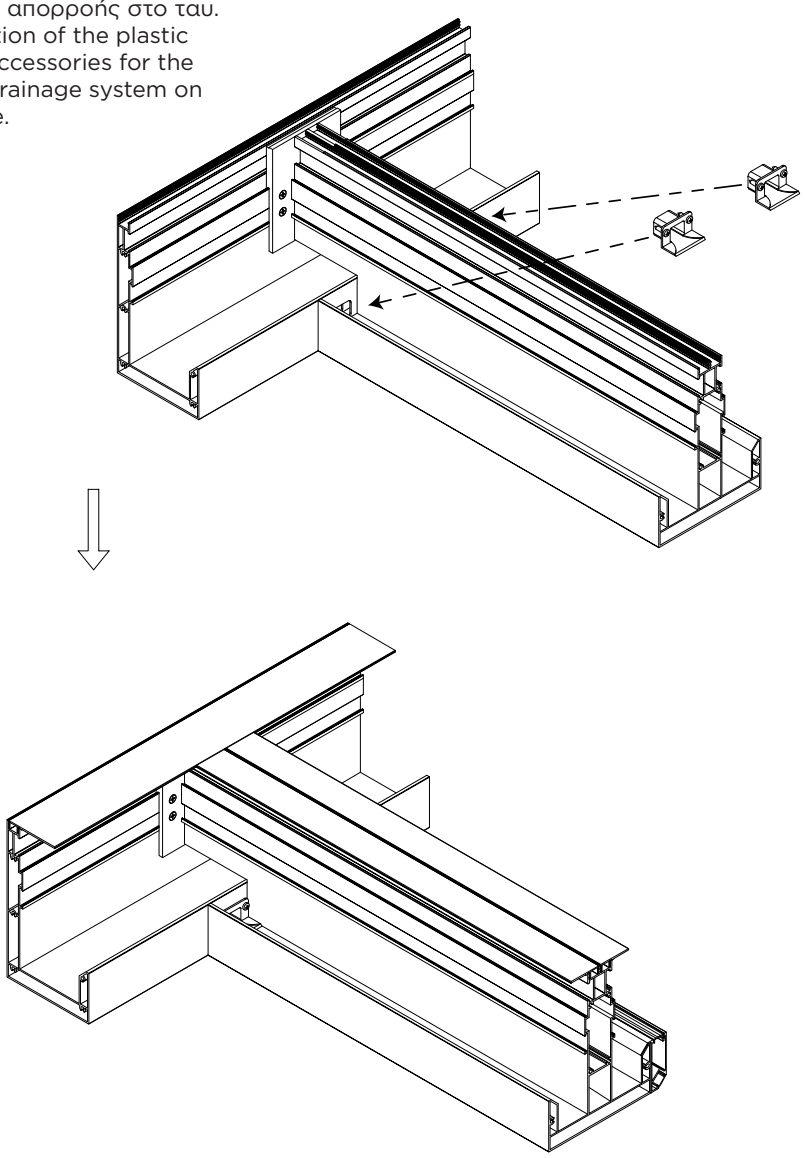
4B

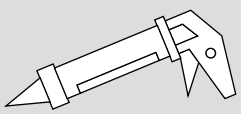


Τοποθέτηση του ταυ στην τεγίδα
Installation of the t-profile on the transom

4C

Τοποθέτηση των πλαστικών οδηγών απορροής στο ταυ.
Installation of the plastic guide accessories for the water drainage system on t-profile.

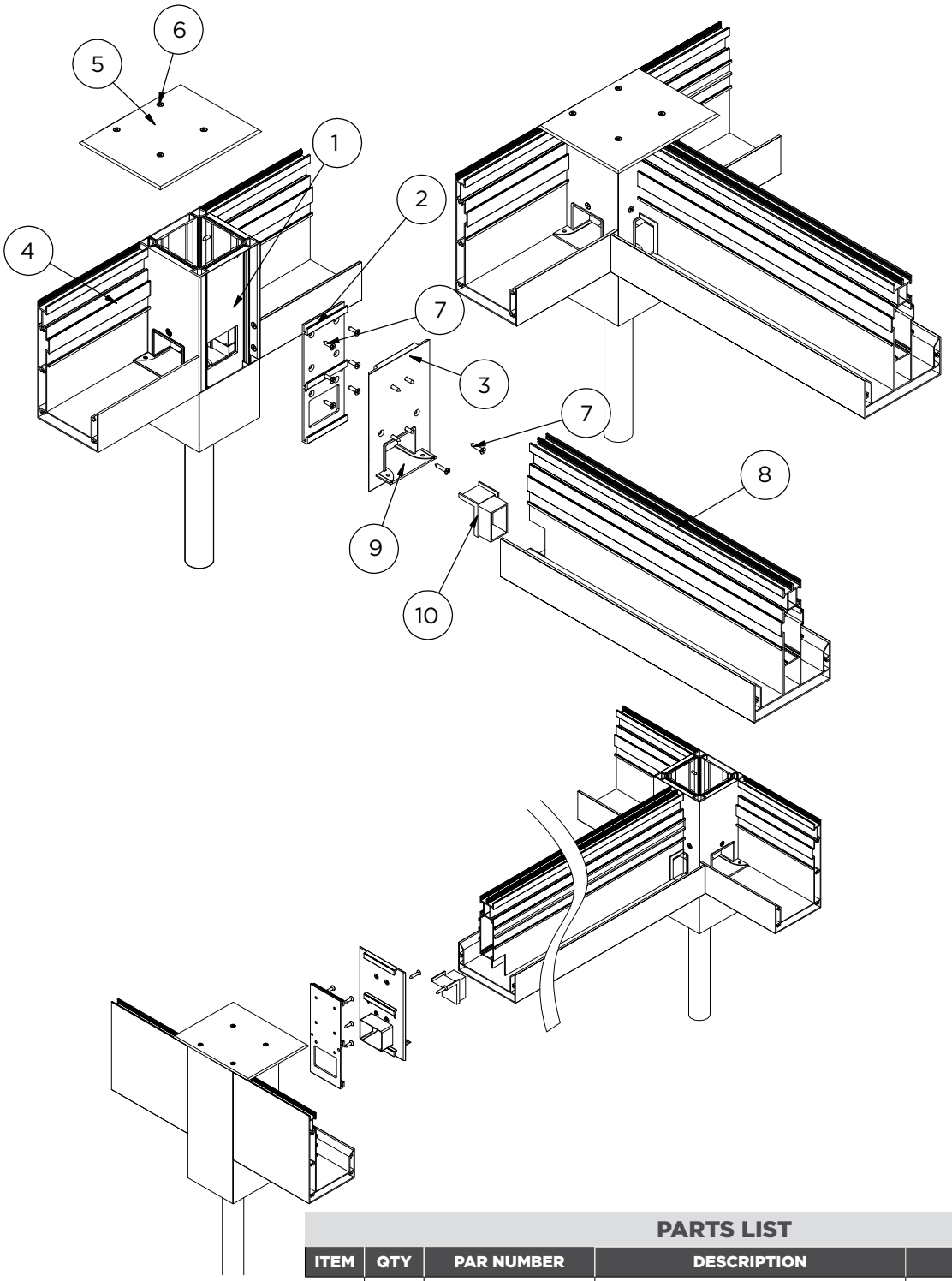




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The use of silicone is mandatory in all parts of the construction in which we have joints, support elements and connections of parts between them and through which there is always a risk of rainwater passing towards the inside of the pergola.

5 ΣΥΝΔΕΣΗ ΚΟΛΩΝΑΣ ΜΕ ΤΑΥ
POST - TAY/T-PROFILE FIXATION

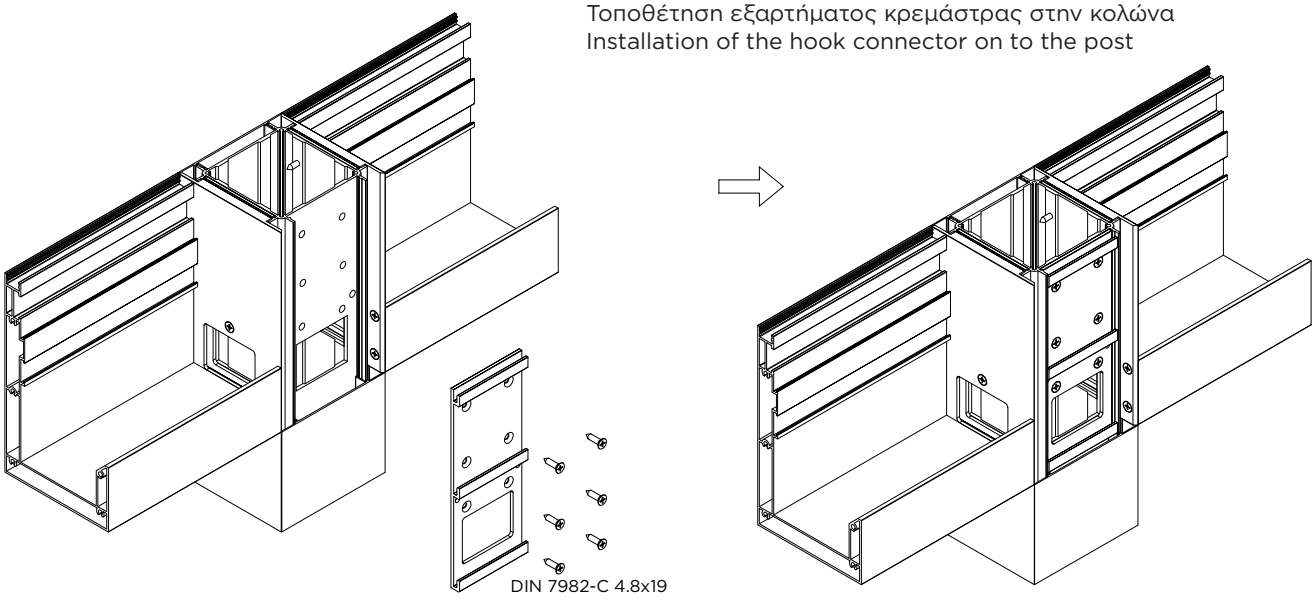


PARTS LIST

ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	PS20-102	Post	ALUMINUM 6063-T66
2	1	APS20-1209	T-Profile Hanger ONTO the Post	ALUMINUM 6063-T66
3	1	APS20-1208	T-Profile Hanger ONTO the T-Profile	ALUMINUM 6063-T66
4	1	PS20-100	Transom	ALUMINUM 6063-T66
5	1	APS20-1104	T-Profile - Post Top Cover	ALUMINUM 6060-T66
6	4	DIN 7982-C 4.2x19	Sheetmetal Screw	STAINLESS STEEL
7	42	DIN 7982-C 4.8x19	Sheetmetal Screw	STAINLESS STEEL
8	1	PS20-101	T-Profile	ALUMINUM 6063-T66
9	1	APS20-1308	Plastic Water Drainage Shim	PLASTIC
10	1	APS20-1306	T-Profile Plastic Cover	PLASTIC

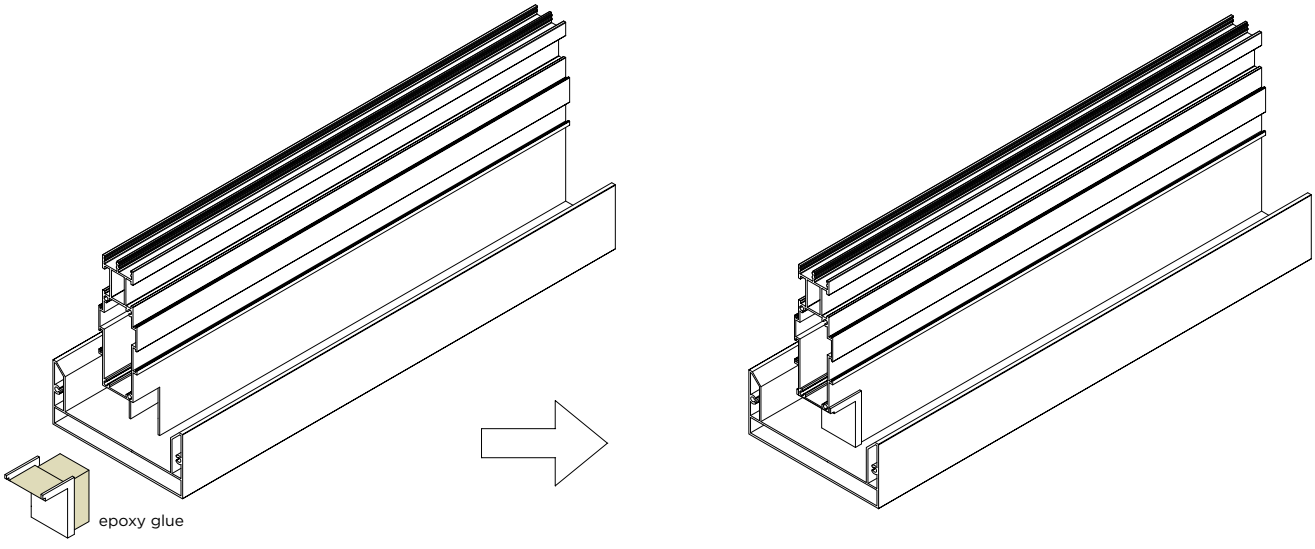
5A

Τοποθέτηση εξαρτήματος κρεμάστρας στην κολώνα
Installation of the hook connector on to the post



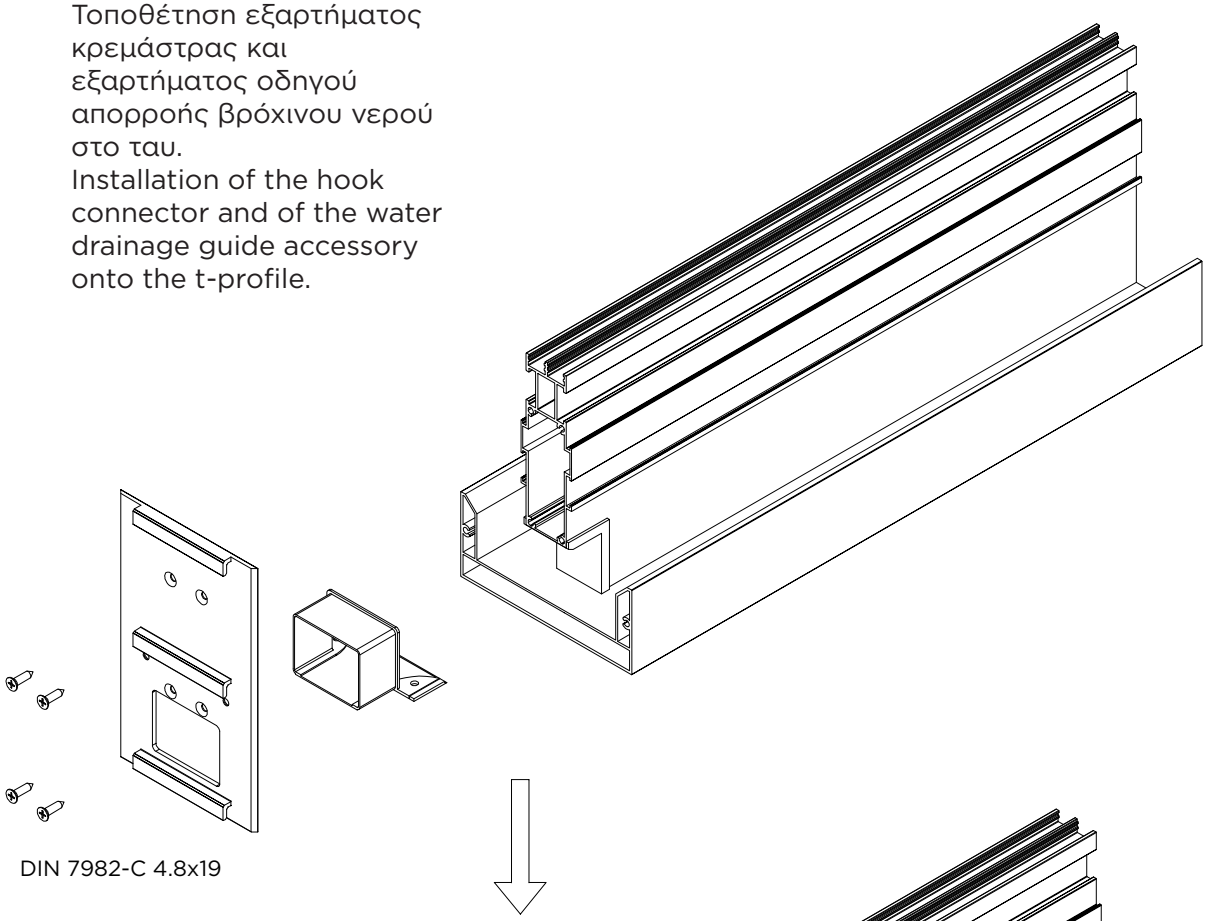
5B

Τοποθέτηση ειδικού εξαρτήματος (πλαστικής τάπας) στο ταυ
Installation of special accessory (plastic end cover) onto t-profile



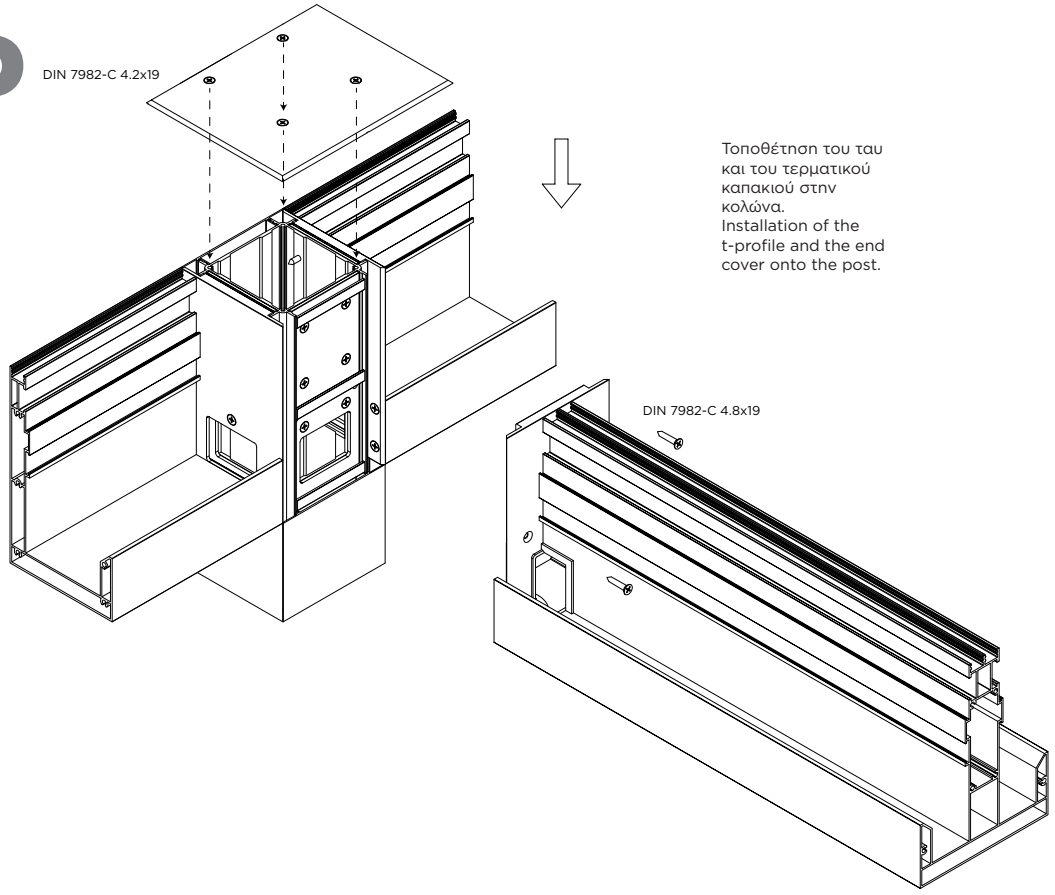
5C

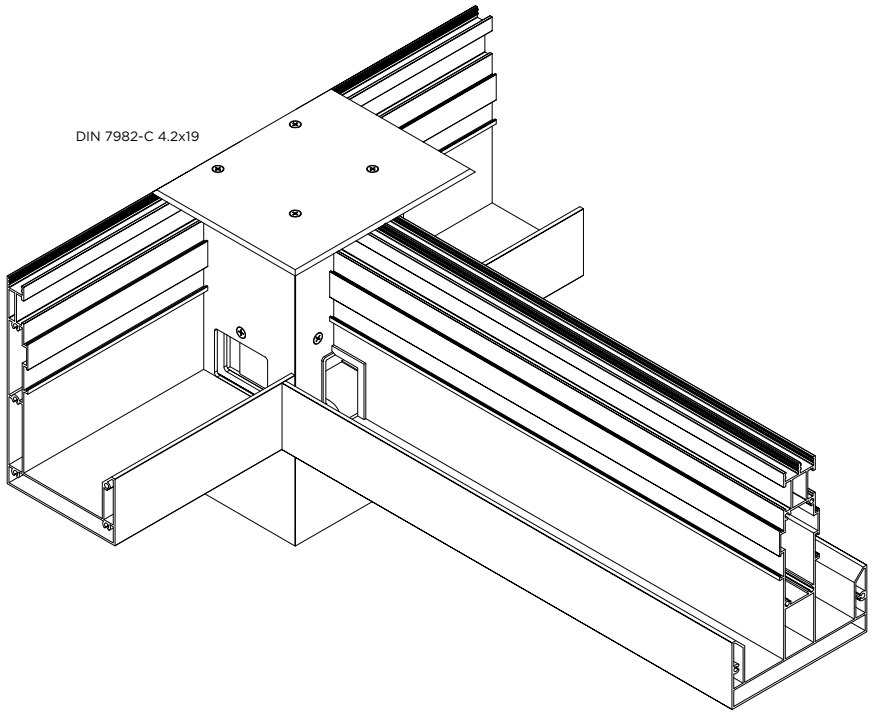
Τοποθέτηση εξαρτήματος κρεμάστρας και εξαρτήματος οδηγού απορροής βρόχινου νερού στο ταυ.
Installation of the hook connector and of the water drainage guide accessory onto the t-profile.

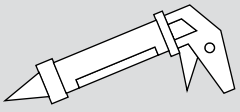


DIN 7982-C 4.8x19

5D







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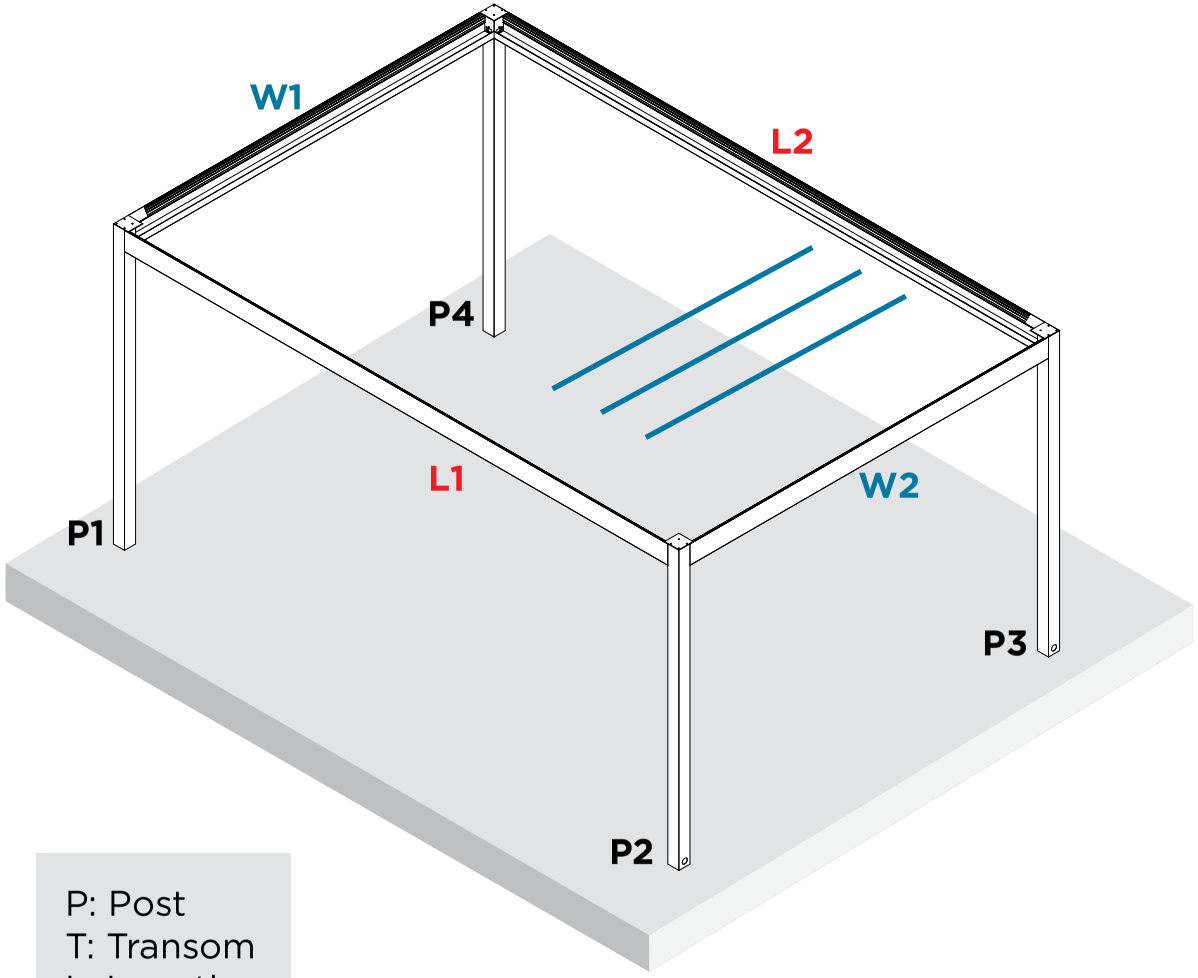
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Freedom
Bioclimatic
Pergola

ALUMINCO

ΚΩΔΙΚΟΠΟΙΗΣΗ
CODING

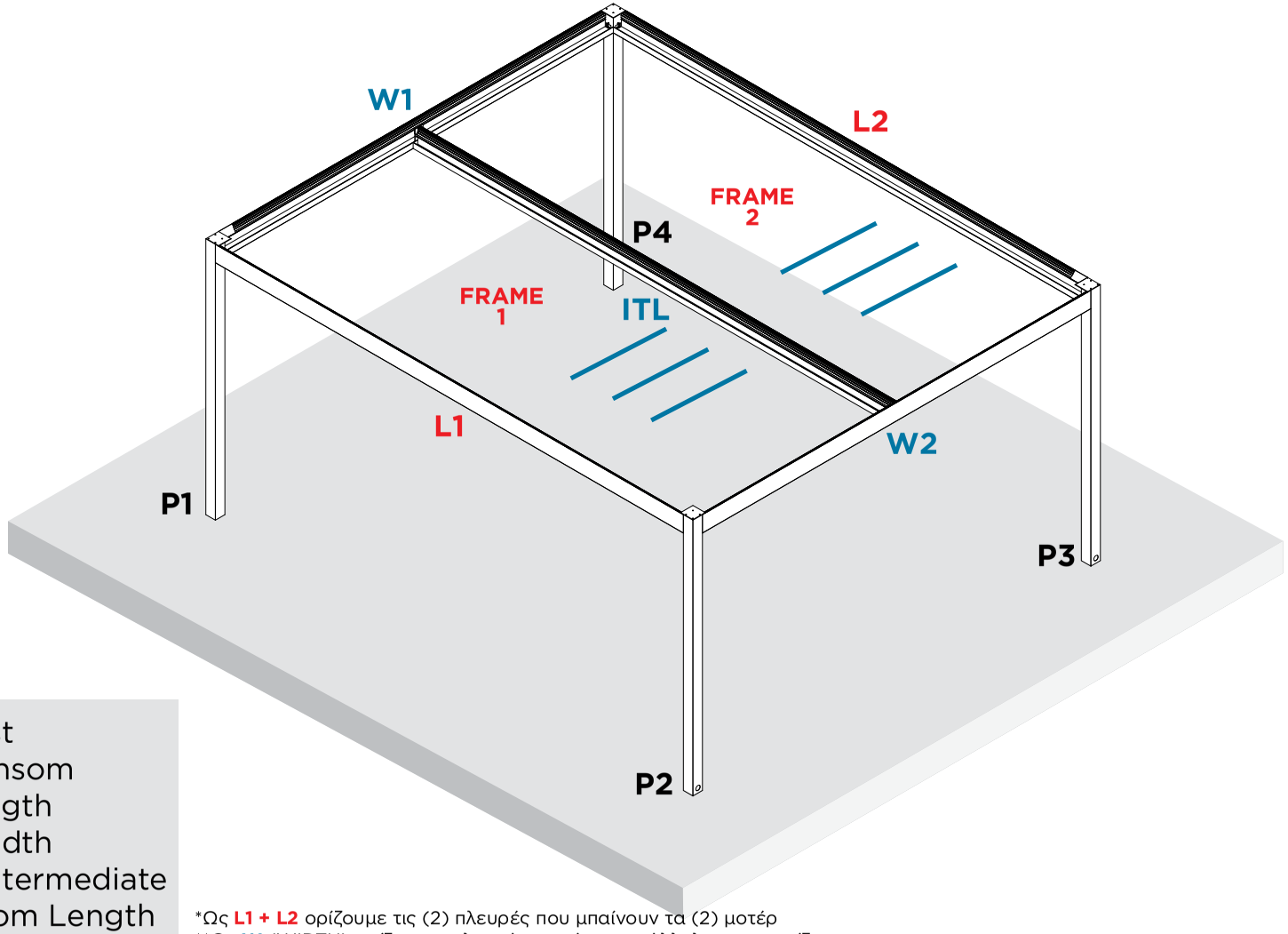
ΚΩΔΙΚΟΠΟΙΗΣΗ ΣΤΕΛΕΧΩΝ ΚΑΤΑΣΚΕΥΗΣ ΤΥΠΙΚΗΣ ΠΕΡΓΚΟΛΑΣ ΧΩΡΙΣ ΤΑΥ
CODING FOR STRUCTURAL MEMBERS OF TYPICAL PERGOLA WITHOUT T-PROFILE



P: Post
T: Transom
L: Length
W: Width

*Ως **L1** ορίζουμε την πλευρά που μπαίνει το μοτέρ
Ως **W (WIDTH) ορίζεται η πλευρά που είναι παράλληλες οι περσίδες

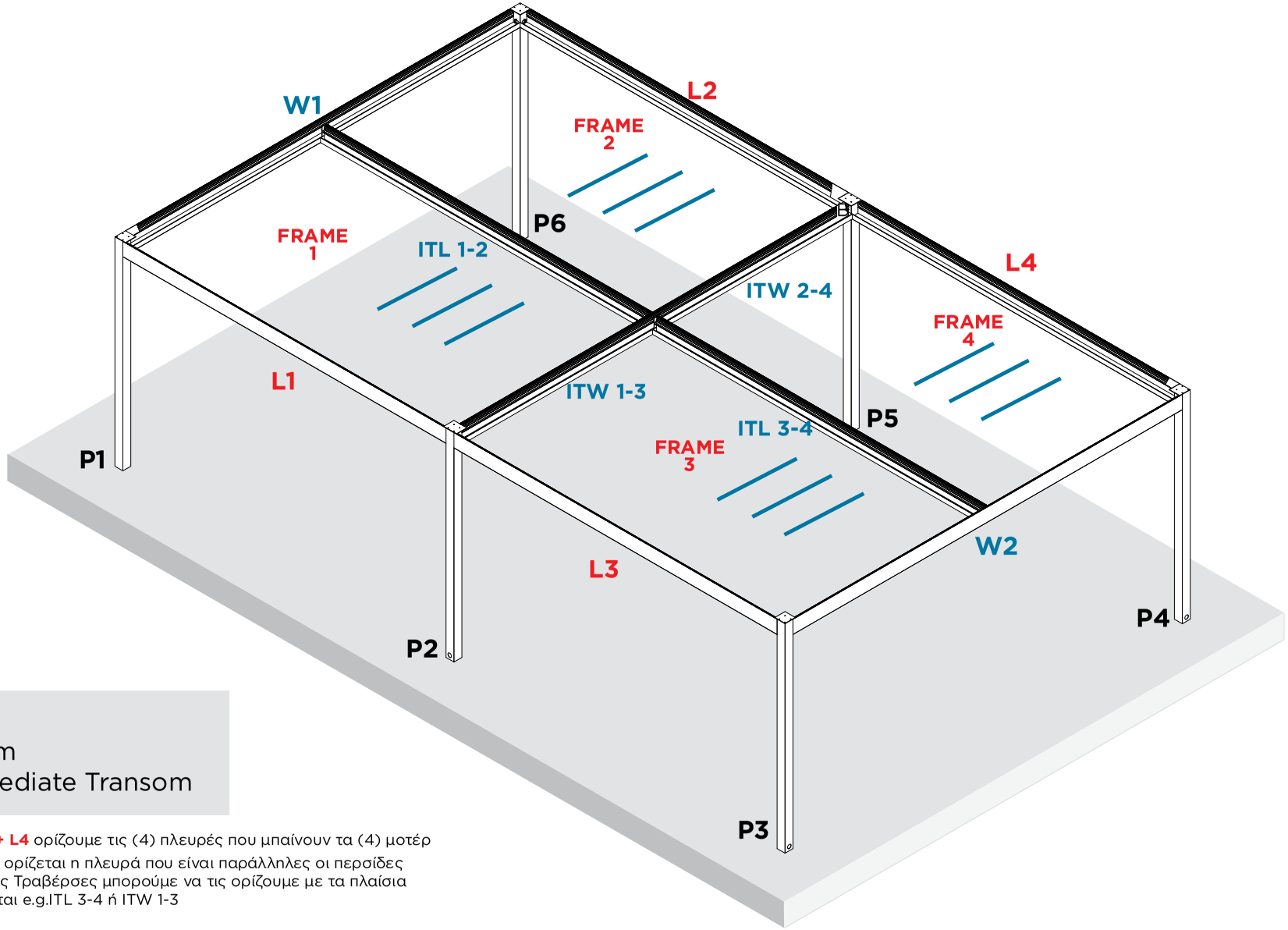
ΚΩΔΙΚΟΠΟΙΗΣΗ ΣΤΕΛΕΧΩΝ ΚΑΤΑΣΚΕΥΗΣ ΤΥΠΙΚΗΣ ΠΕΡΓΚΟΛΑΣ ΜΕ ΤΑΥ
CODING FOR STRUCTURAL MEMBERS OF TYPICAL PERGOLA WITH T-PROFILE



P: Post
T: Transom
L: Length
W: Width
ITL: Intermediate Transom Length

*Ως **L1 + L2** ορίζουμε τις (2) πλευρές που μπαίνουν τα (2) μοτέρ
Ως **W (WIDTH) ορίζεται η πλευρά που είναι παράλληλες οι περσίδες

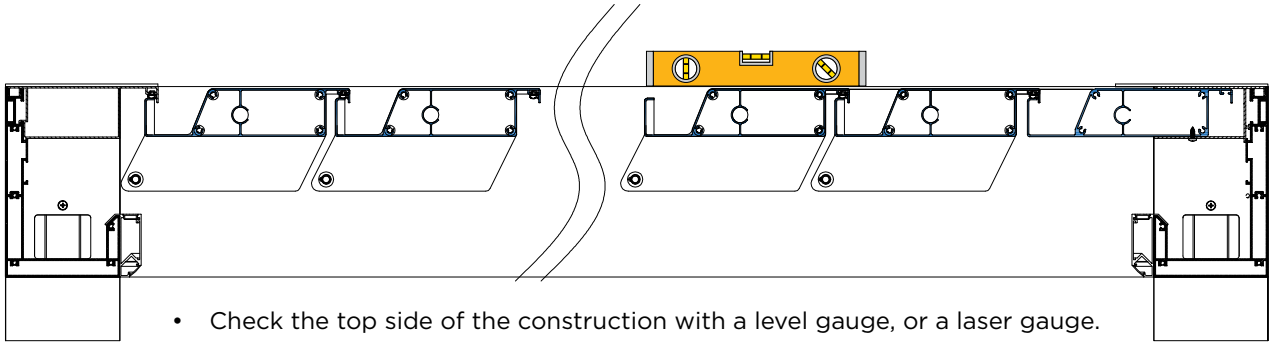
ΚΩΔΙΚΟΠΟΙΗΣΗ ΣΤΕΛΕΧΩΝ ΚΑΤΑΣΚΕΥΗΣ ΤΥΠΙΚΗΣ ΠΕΡΓΚΟΛΑΣ ΜΕ ΤΑΥ ΣΕ ΣΤΑΥΡΟ
CODING FOR STRUCTURAL MEMBERS OF TYPICAL PERGOLA WITH CROSS T-PROFILE



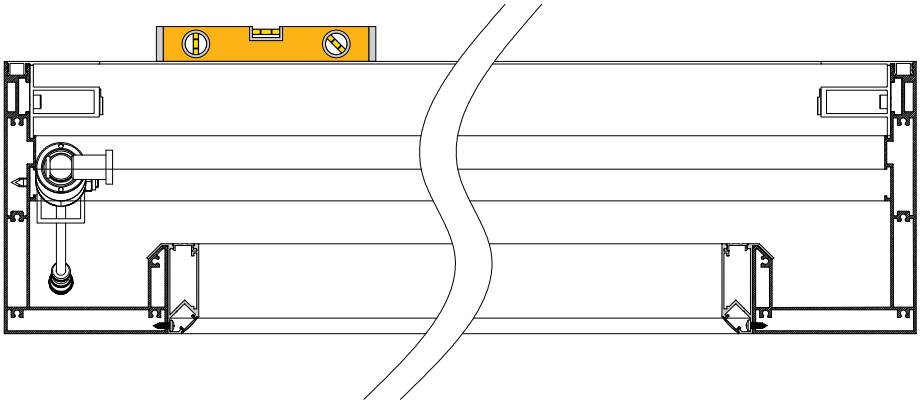
P: Post
T: Transom
IT: Intermediate Transom

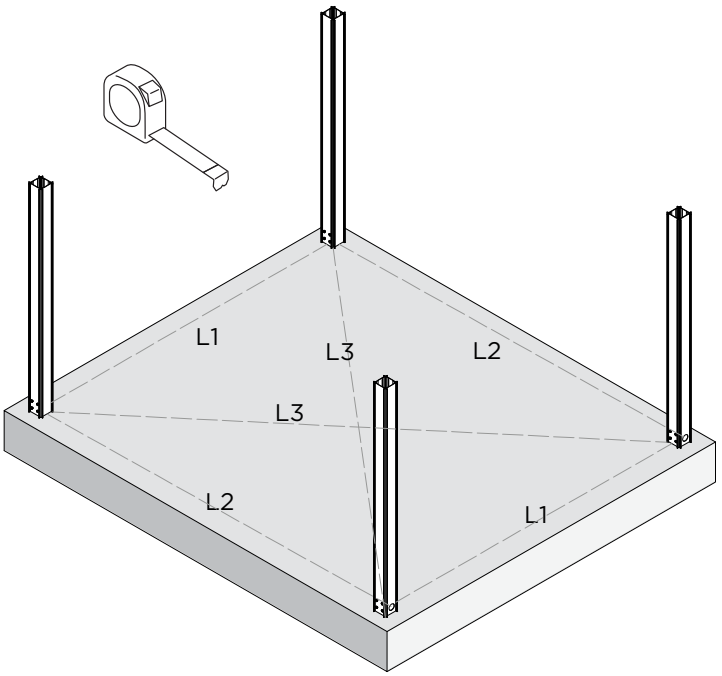
*Ως **L1 + L2 + L3 + L4** ορίζουμε τις (4) πλευρές που μπαίνουν τα (4) μοτέρ
Ως **W (WIDTH) ορίζεται η πλευρά που είναι παράλληλες οι περσίδες
***Στις Ενδιάμεσες Τραβέρσες μπορούμε να τις ορίζουμε με τα πλαίσια που απευθύνοται e.g.ITL 3-4 ή ITW 1-3

ADJUSTING THE CONSTRUCTION
ΕΥΘΥΓΡΑΜΜΙΣΗ ΚΑΤΑΣΚΕΥΗΣ



- Check the top side of the construction with a level gauge, or a laser gauge.
- If necessary adjust the construction.
- Move the vertical poles upward until the top side of the construcxtion is completely level.
- Check perpendicularity through the following dimension (L1+-2mm). Also check the diagonals, and top side.

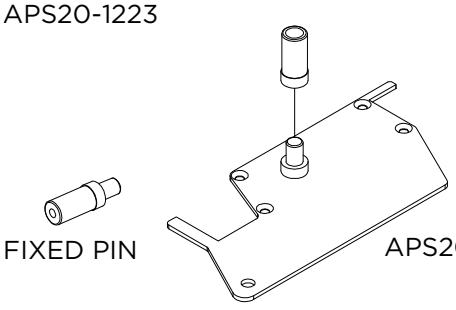




APS20-1223 PIN SET ΣΤΙΣ ΤΑΠΕΣ ΠΕΡΣΙΔΩΝ APS20-1101
APS20-1223 PIN SET ONTO LOUVER COVERS APS20-1101

STEP-01

APS20-1223

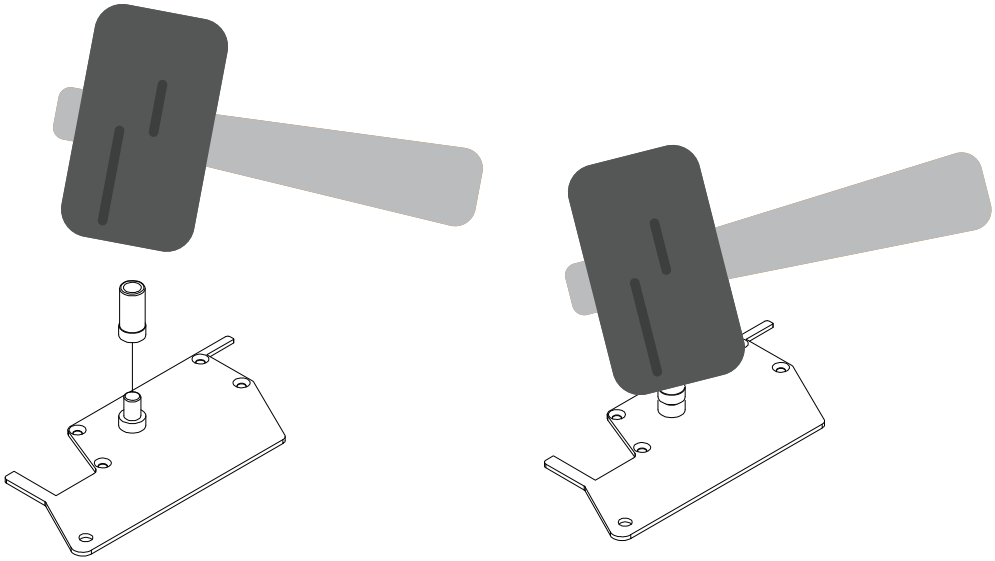


FIXED PIN

APS20-1101

DISMANTLED SLEEVE FROM APS20-1223 PUSH-PIN, TO USE AS HAMMERED PROTECTION SLEEVE

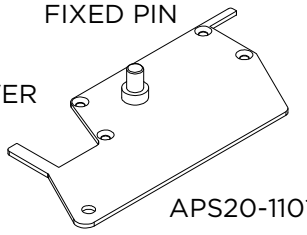
STEP-02



STEP-03

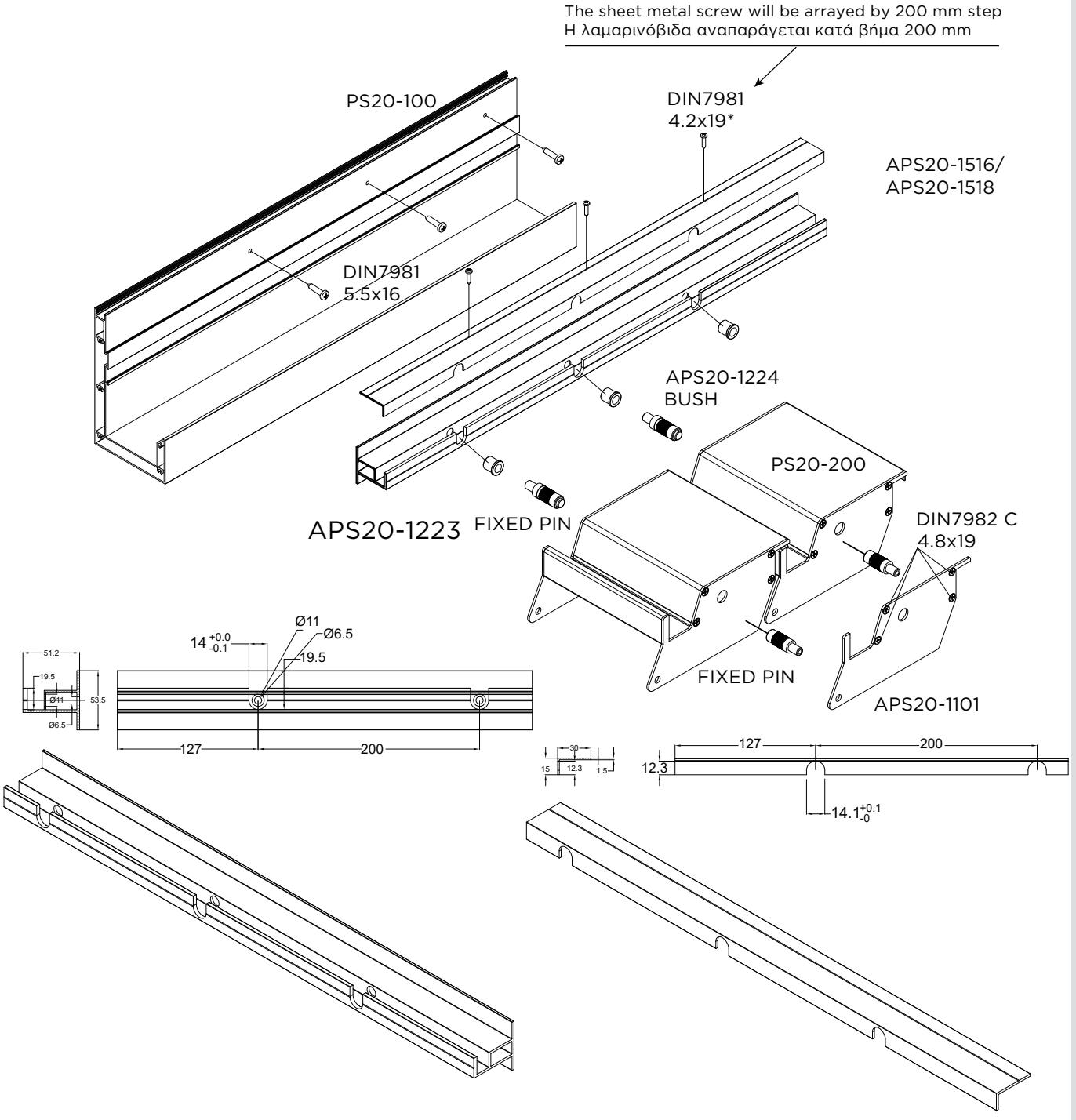
WE HAVE SECURELY FIXED BOTH APS20-1223 PIN TYPES ONTO LOUVER COVER APS20-1101

FIXED PIN

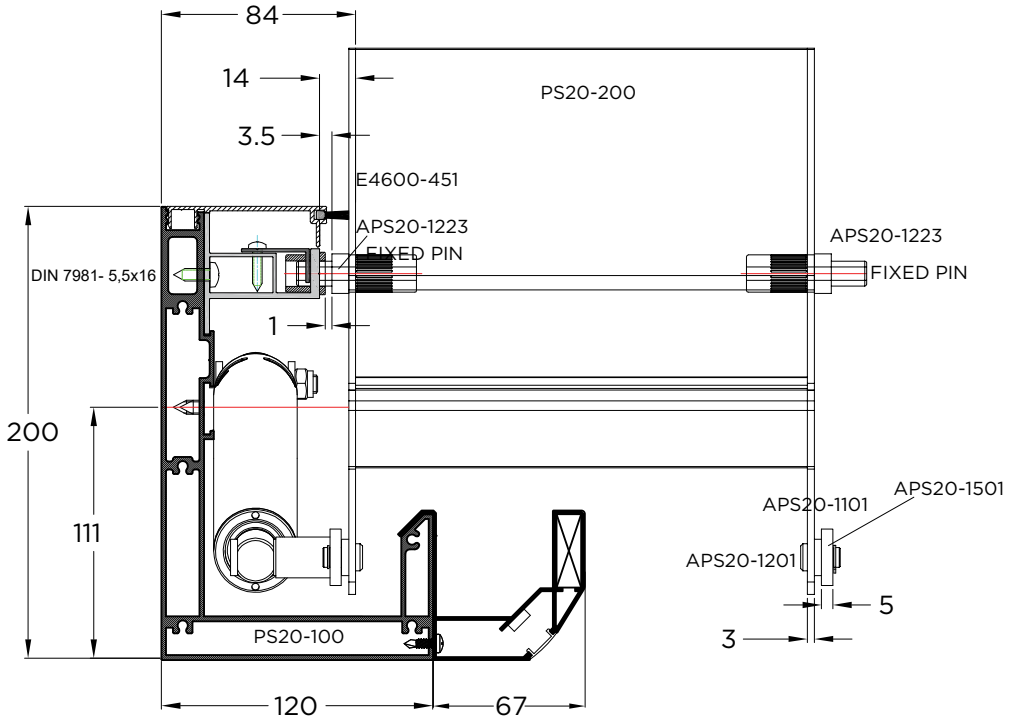


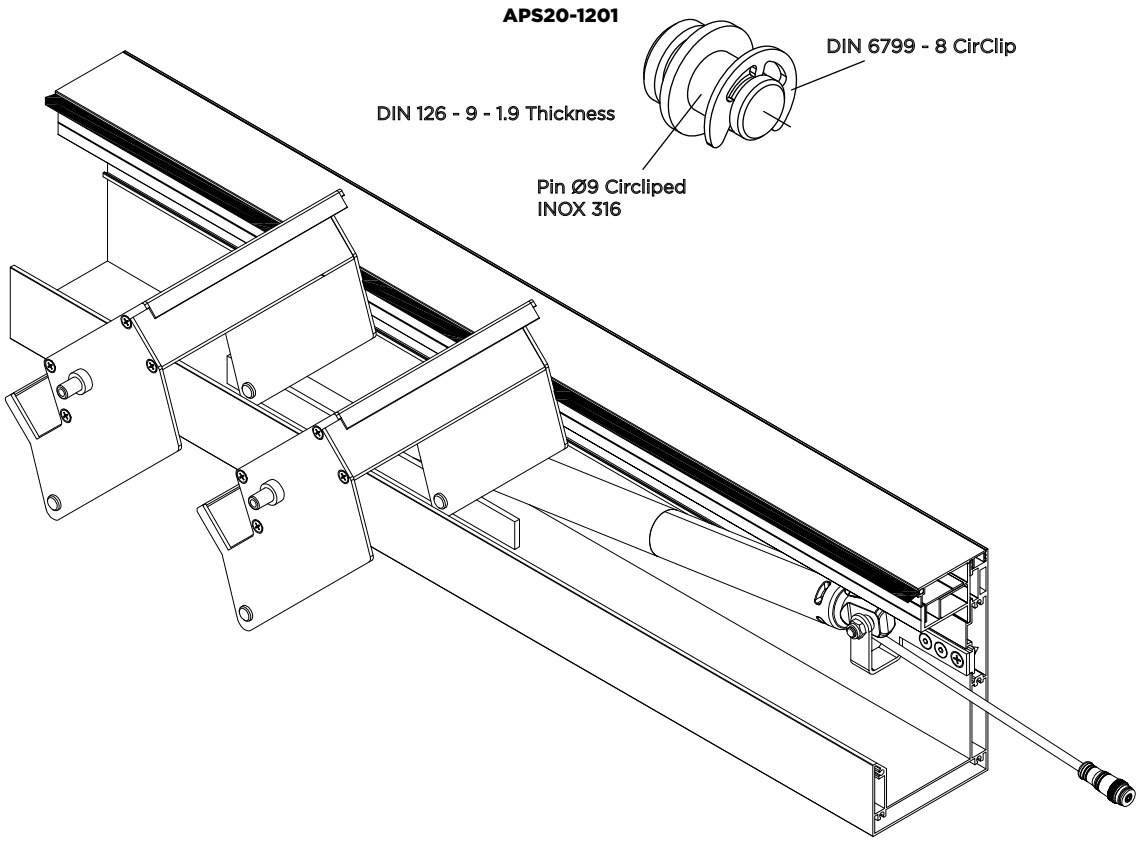
APS20-1101

FIXING LOUVERS' GUIDERAIL ONTO TRANSOM PS20-100
ΠΡΟΣΔΕΣΗ ΟΔΗΓΟΥ ΠΕΡΣΙΔΩΝ ΣΤΗΝ ΤΡΑΒΕΡΣΑ PS20-100

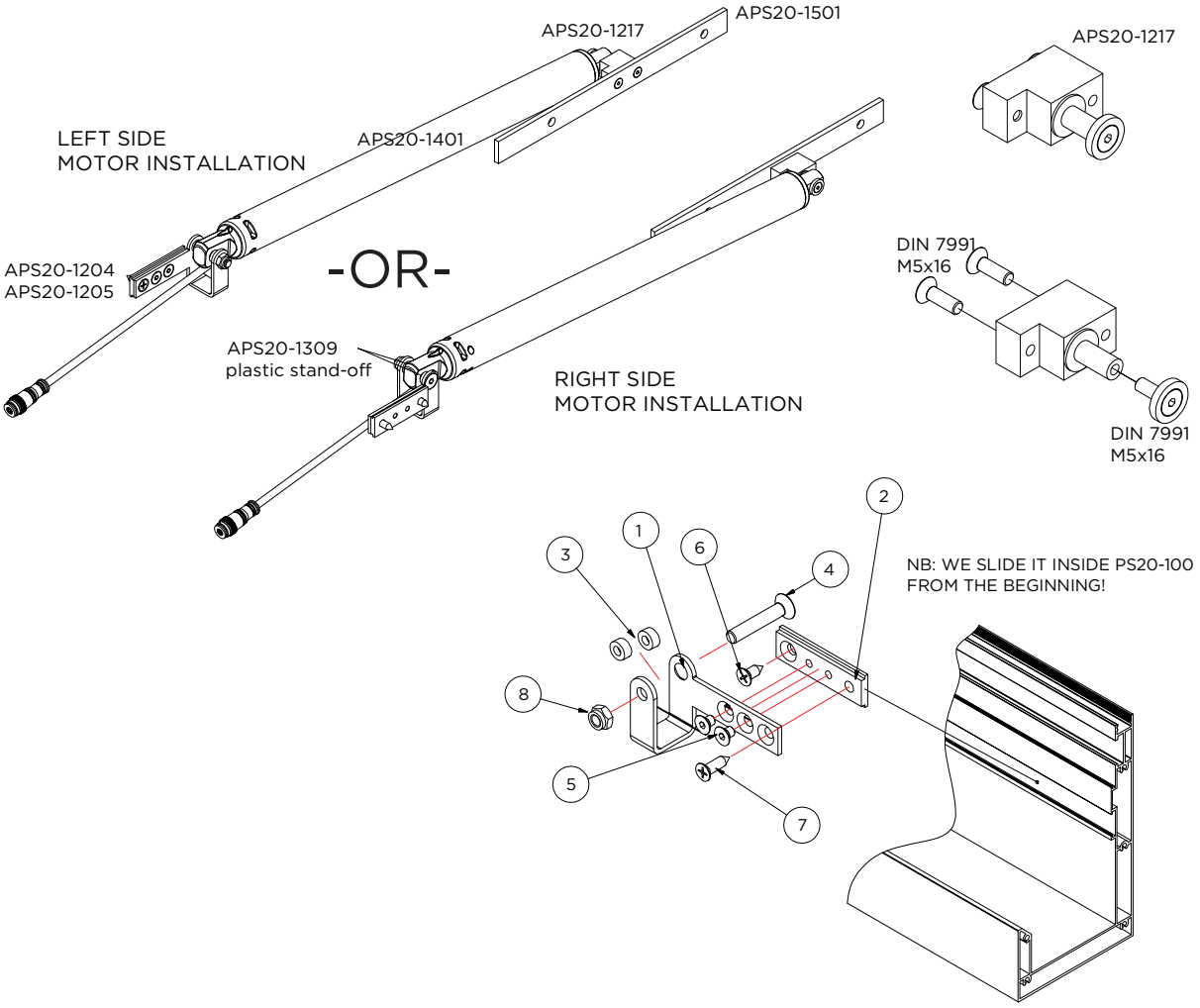


ΣΥΝΔΕΣΗ MOTER-01
MOTOR FIXATION-01





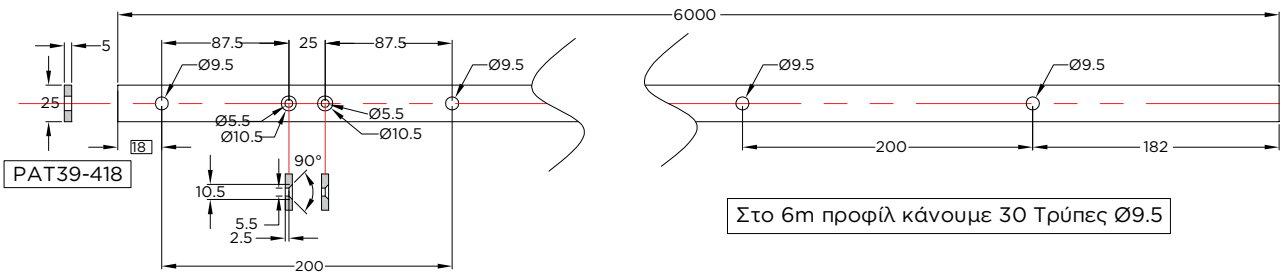
ΣΥΝΔΕΣΗ MOTER-02
MOTOR FIXATION-02



PARTS LIST

ITEM	QTY	PAR NUMBER	DESCRIPTION	MATERIAL
1	1	APS20-1204	MOUNTING BRACKET-01	STAINLESS STEEL
2	1	APS20-1205	MOUNTING BRACKET-02	ALUMINUM 6063-T66
3	2	APS20-1309	Piston Stand-Off	BRASS
4	1	DIN 7991 - M8x45	Hexagon socket countersunk head cap screws	STAINLESS STEEL
5	2	DIN 7991 - M6x8	Hexagon socket countersunk head cap	STAINLESS STEEL
6	1	DIN 7982-C -6.3x16	SheetMetal Screw Countersunk	STAINLESS STEEL
7	1	DIN 7982-C -6.3x22	SheetMetal Screw Countersunk	STAINLESS STEEL
8	1	DIN 985-M8	Hex Lock Nut	STAINLESS STEEL

APS20-1501

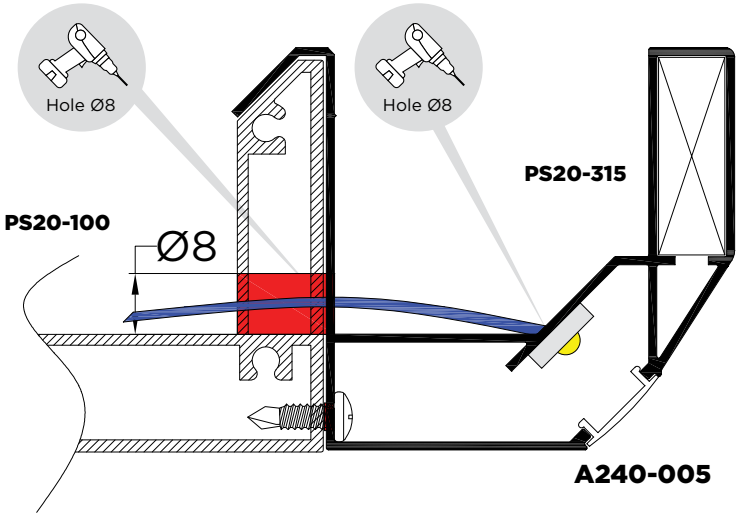


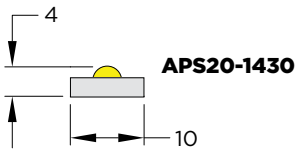
Στο 6m προφίλ κάνουμε 30 Τρύπες Ø9.5

ΧΡΗΣΗ LED / USE OF LED

LED ΤΑΙΝΙΑ ΣΥΝΔΕΣΗ ΜΕ ΠΡΟΦΙΛ PS20-304
LED STRIP FIXATION ONTO PS20-304

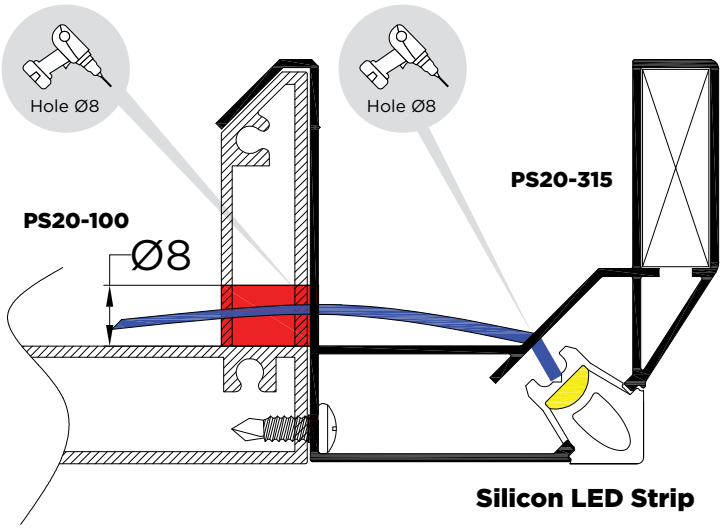
STANDARD LED USE

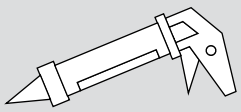




Standard LED strip
external dimensions,
to be glued onto PS20-315
with Adhensive Double Sided Tape

DELICATE LED USE





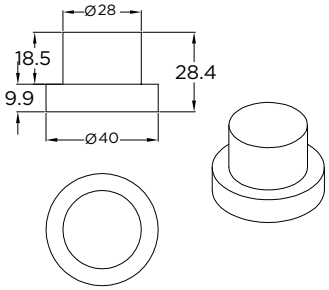
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ΣΥΝΔΕΣΗ LED SPOT ΣΤΗΝ ΠΕΡΣΙΔΑ PS20-200
FIXATION LED SPOT ONTO LOUVER PS20-200

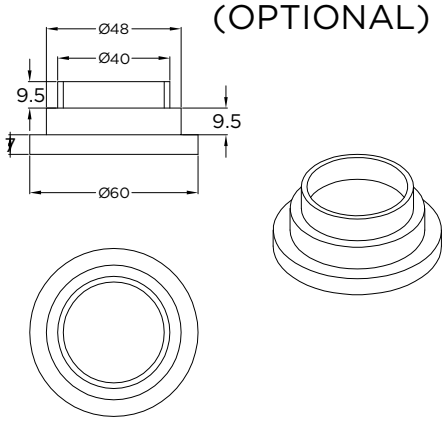


APS20-1405

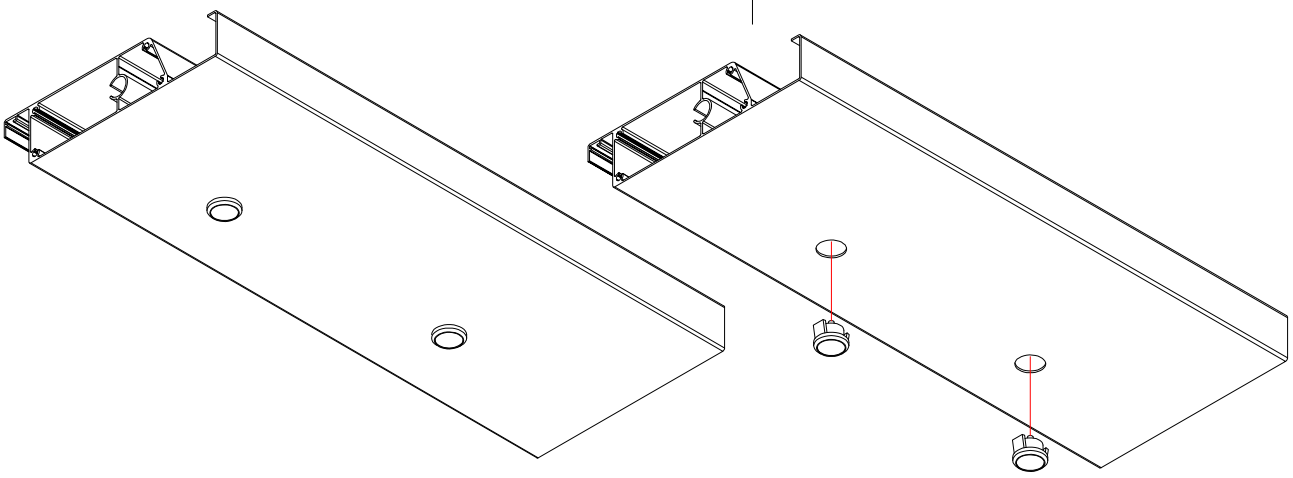


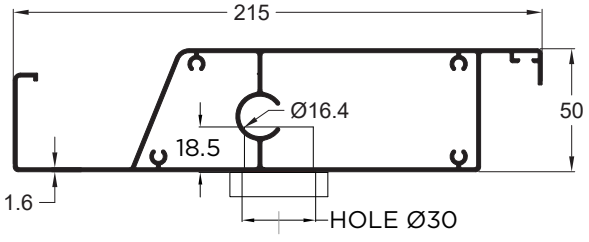


(OPTIONAL)

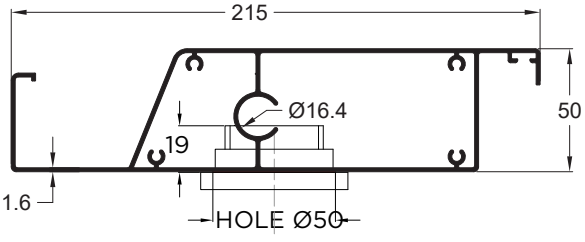


PS20-200

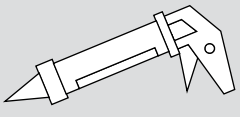




APS20-1405



(OPTIONAL)



Η χρήση σιλικόνης είναι υποχρεωτική σε όλα τα σημεία της κατασκευής στα οποία έχουμε αρμούς, στοιχεία στήριξης και συνδέσεις εξαρτημάτων μεταξύ τους και από τα οποία υπάρχει πάντα ο κίνδυνος να περάσει το βρόχινο νερό με κατεύθυνση προς το εσωτερικό της πέργκολας.

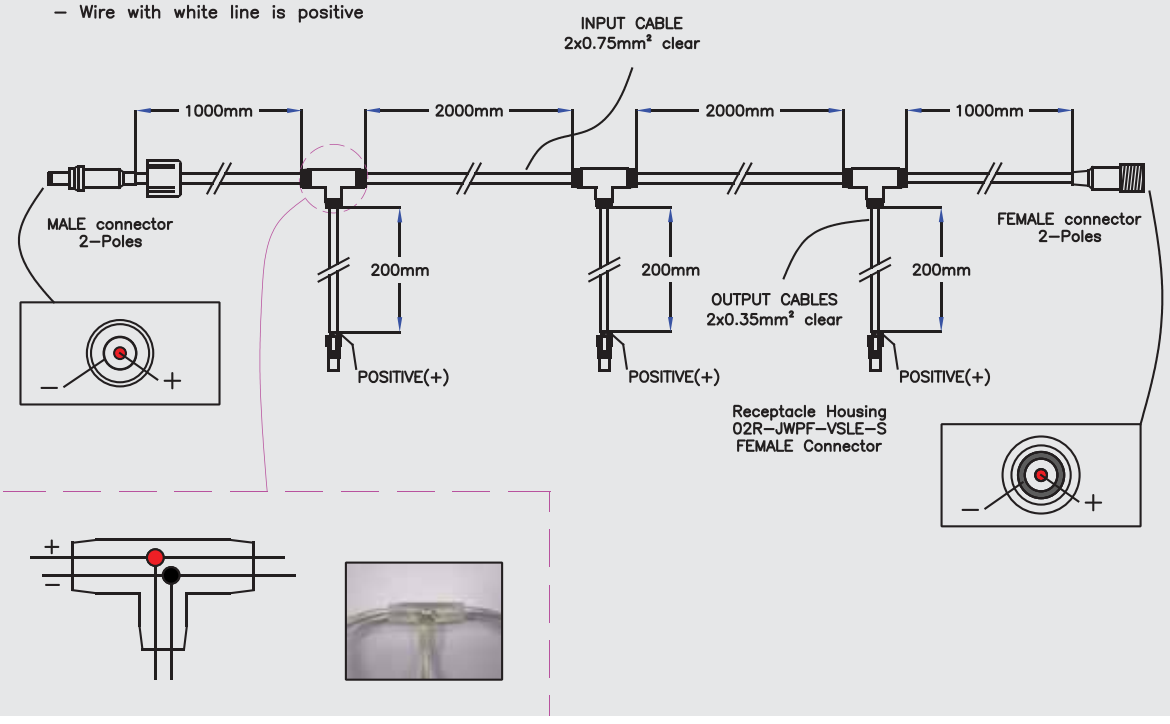
The use of silicone is mandatory in all parts of the construction in which we have joints, support elements and connections of parts between them and through which there is always a risk of rainwater passing towards the inside of the pergola.

ΣΥΝΔΕΣΗ ΚΑΛΩΔΙΟΥ SPOT ΣΤΟ ΣΤΑΘΕΡΟ ΠΕΙΡΟ APS20-1223
CABLE CONNECTION OF SPOT TO FIXED PIN APS20-1223

APS20-1407

NOTES

- Double insulation
- IP65
- Wire with white line is positive



APS20-1409

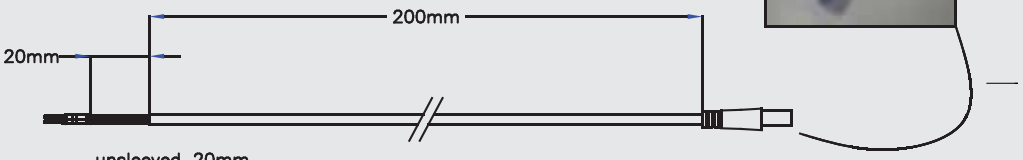
NOTE

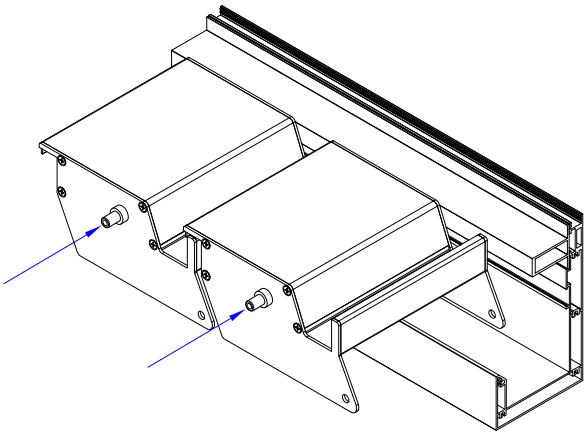
- Type of cable: 2x0.5mm² transparent
- Double insulation
- Supplied separately 1pc 02T–JWPF–VSLE–S housing
- Wire with white line is positive



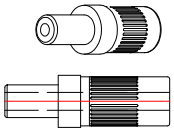
Tab Housing 2 Way
02T–JWPF–VSLE–S
MALE Connector



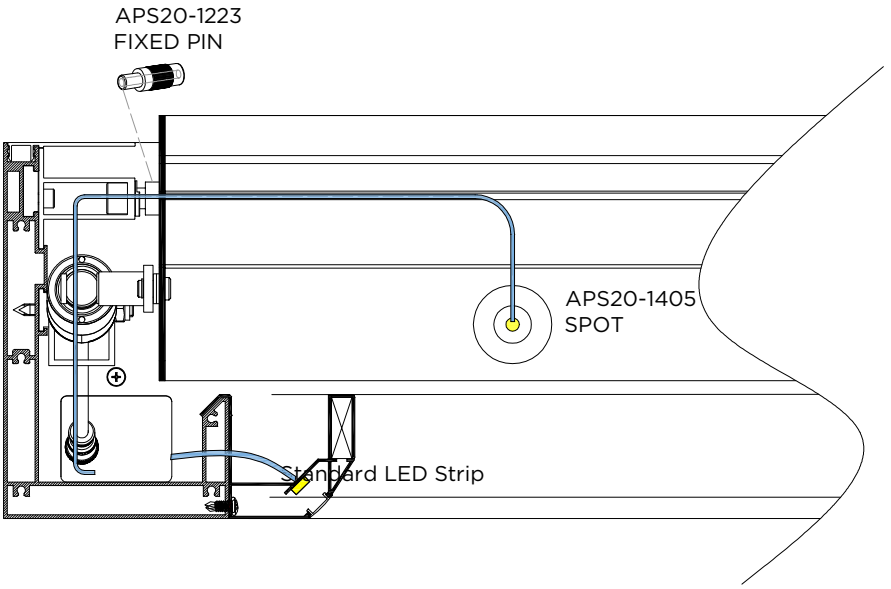


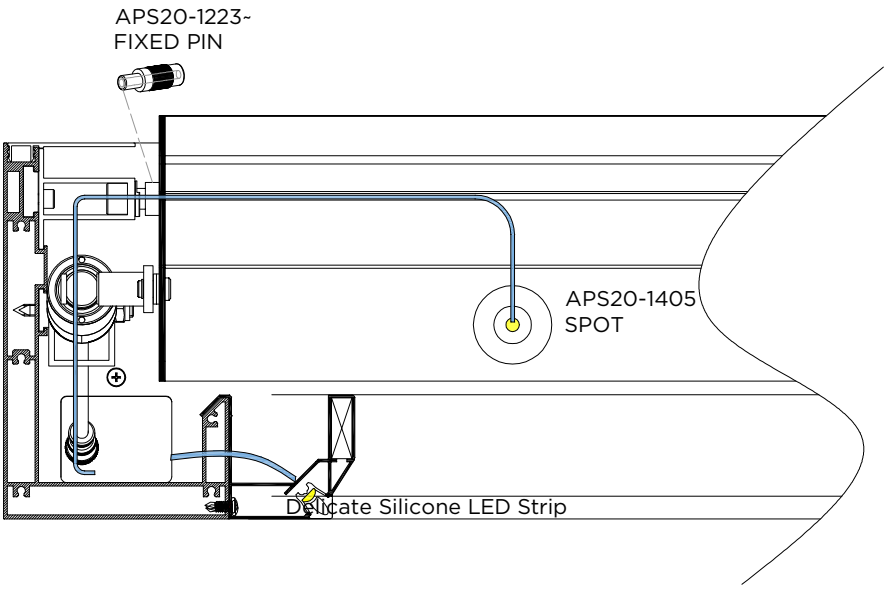


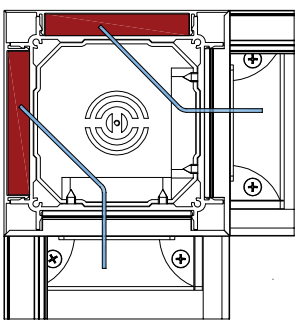
FIXED PIN
APS20-1223
(Φ6mm)

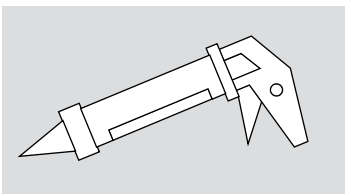


ΚΑΛΩΔΙΩΣΗ LED STRIP + LED SPOT ΣΕ ΓΩΝΙΑΚΗ ΚΟΛΩΝΑ
CABLE LINES LED STRIP + LED SPOT FOR CORNER POST

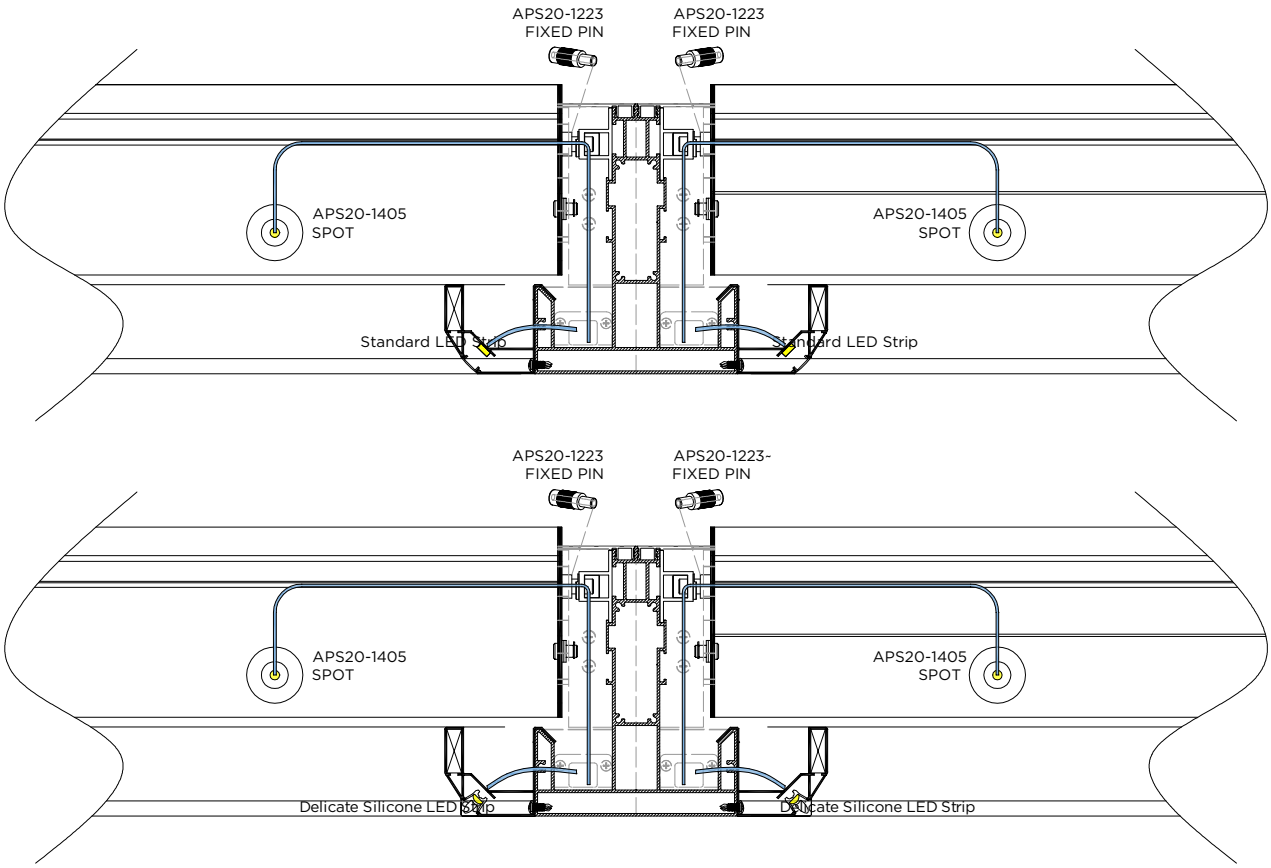


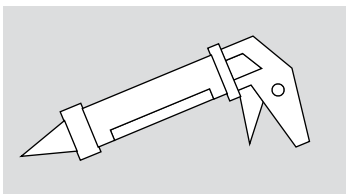




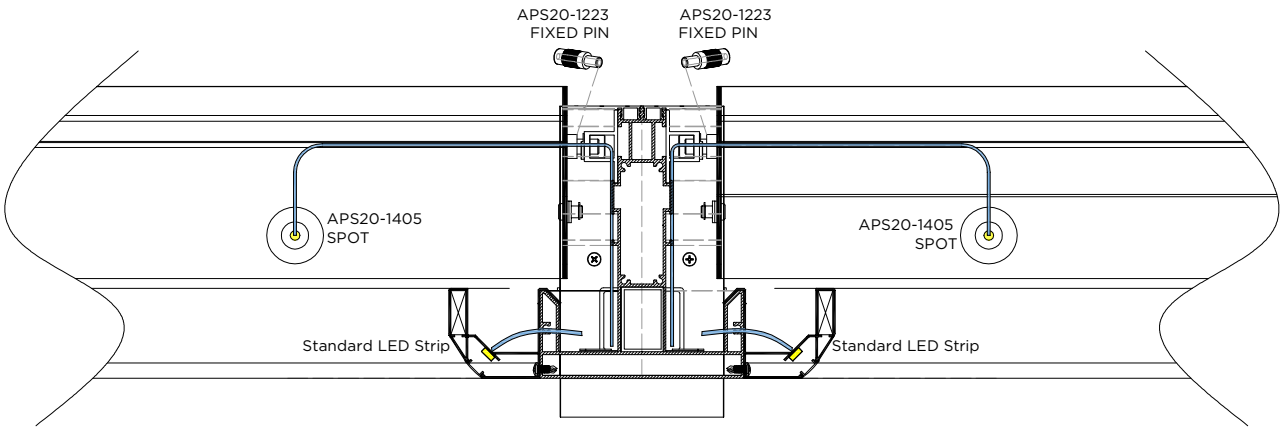


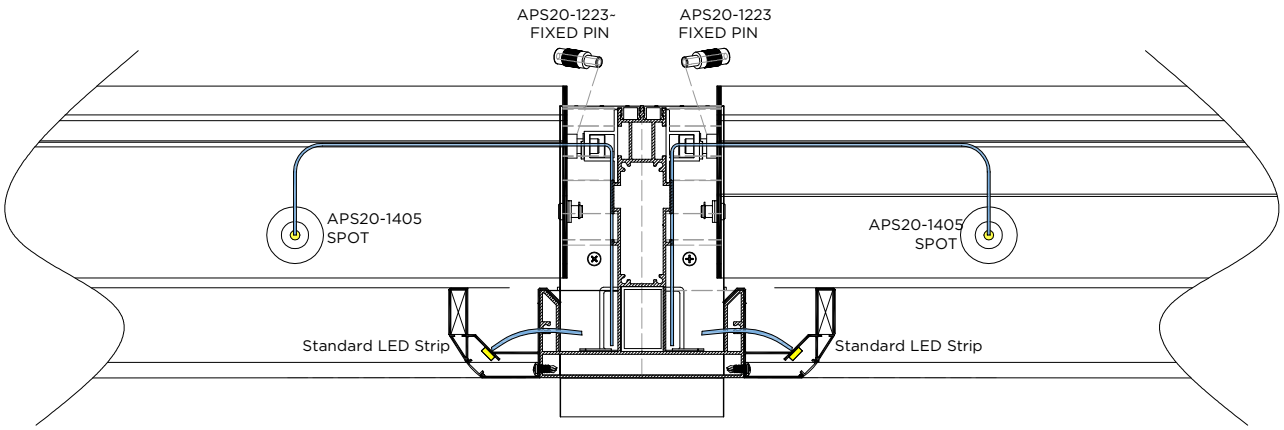
ΚΑΛΩΔΙΩΣΗ LED STRIP + LED SPOT ΣΕ ΤΕΓΙΔΑ - ΤΑΥ
CABLE LINES LED STRIP + LED SPOT FOR TRANSOM - T PROFILE

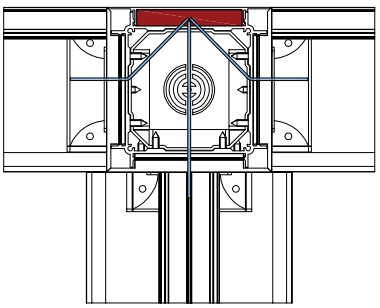


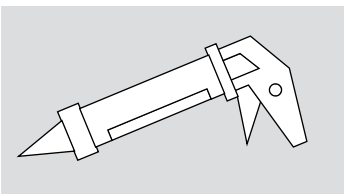


ΚΑΛΩΔΙΩΣΗ LED STRIP + LED SPOT ΣΕ ΜΕΣΑΙΑ ΚΟΛΩΝΑ
CABLE LINES LED STRIP + LED SPOT FOR INTERMEDIATE POST

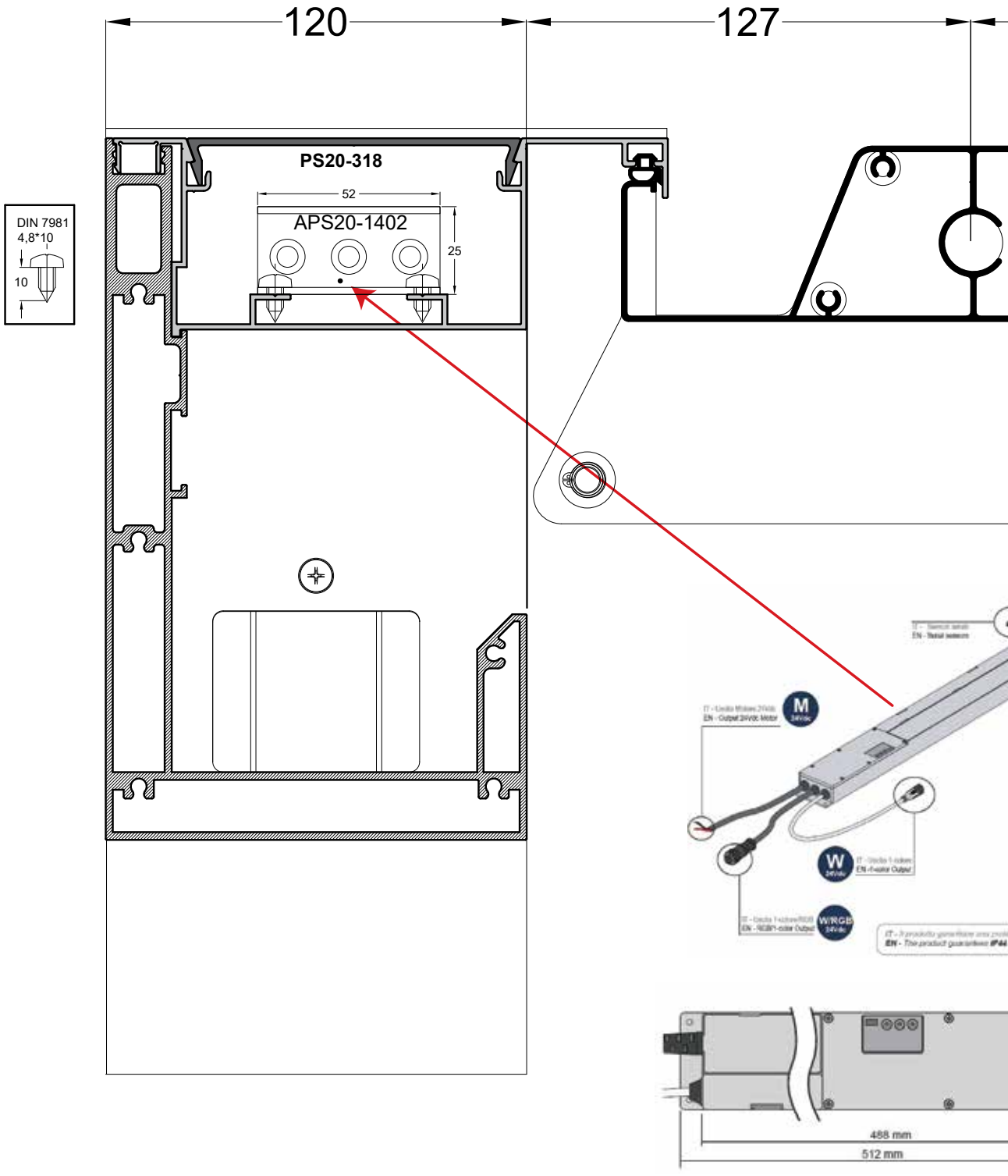


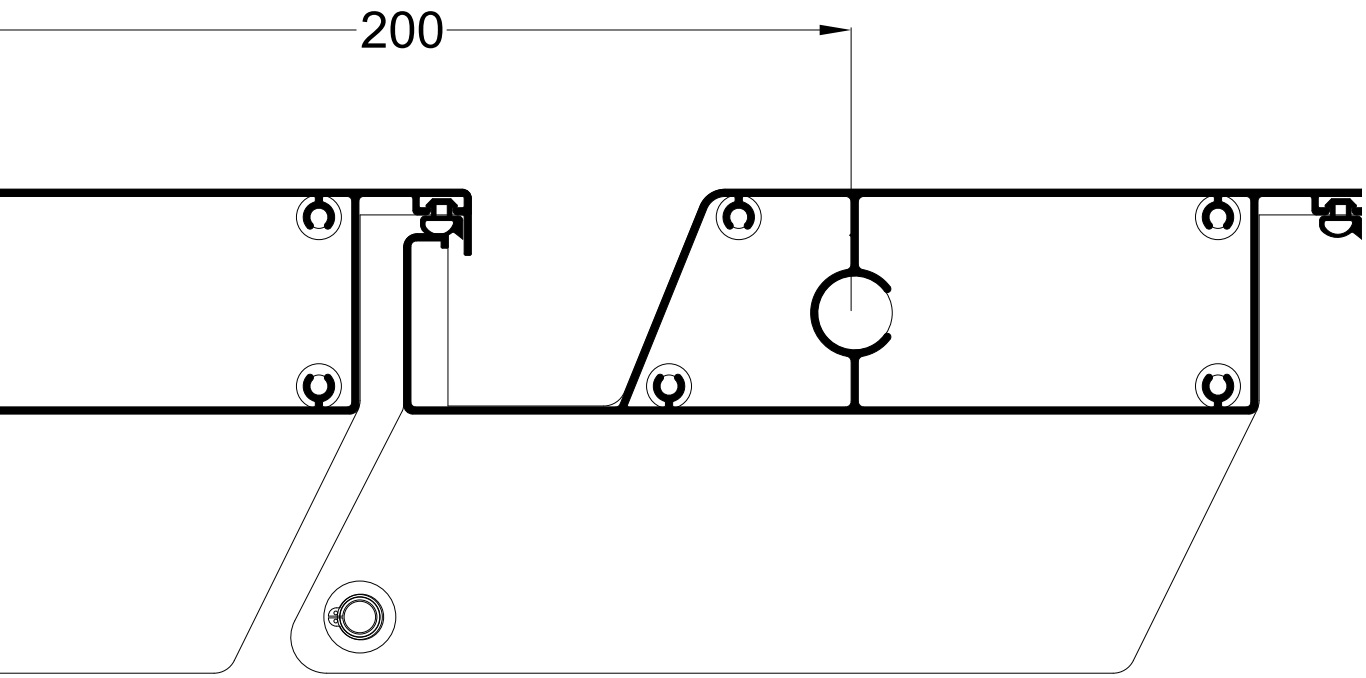


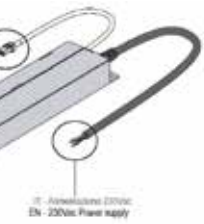


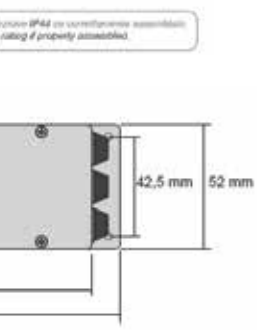


ΤΟΠΟΘΕΤΗΣΗ ΤΟΥ MCU (Motor Control Unit) ΕΣΩΤΕΡΙΚΑ ΤΟΥ PS20-301
MCU INSTALLATION (Motor Control Unit) INTERNAL TO PS20-301



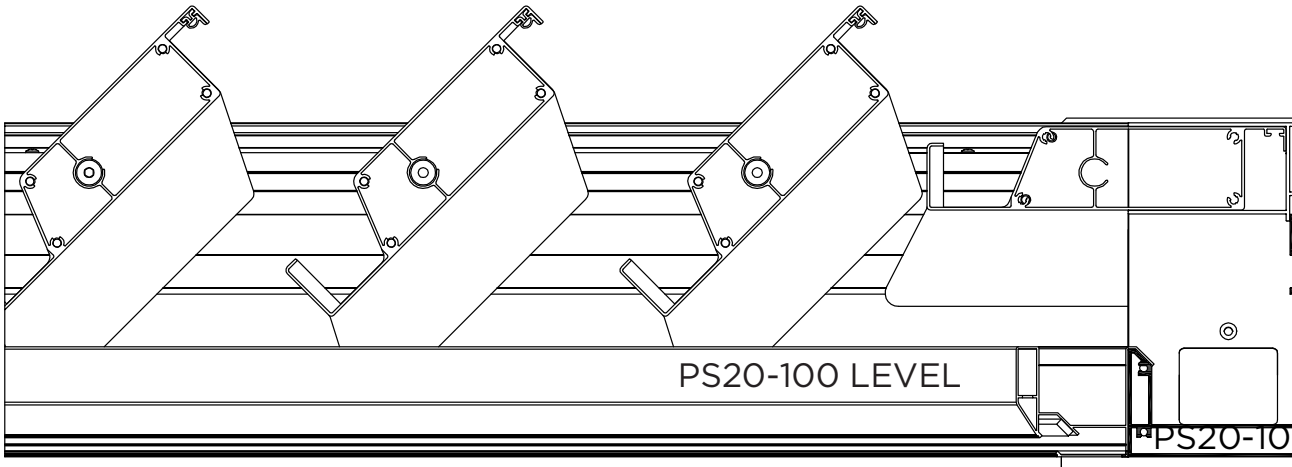

200




42,5 mm
52 mm

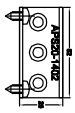

25 mm

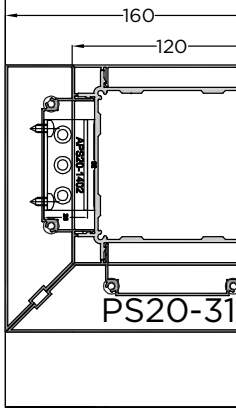
2ος ΤΡΟΠΟΣ ΤΟΠΟΘΕΤΗΣΗΣ ΤΟΥ MCU (Motor Control Unit) ΕΣΩΤΕΡΙΚΑ ΤΟΥ PS20-311
2nd WAY OF MCU INSTALLATION (Motor Control Unit) INTERNAL TO PS20-311

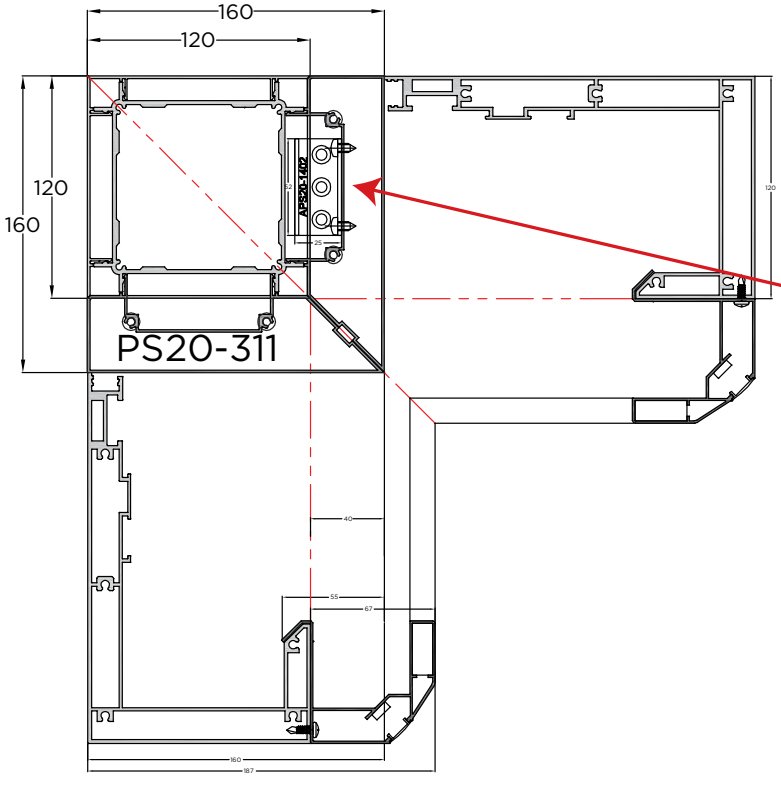


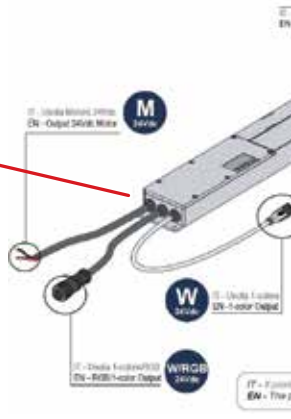
BELOW PS20-100 LEVEL

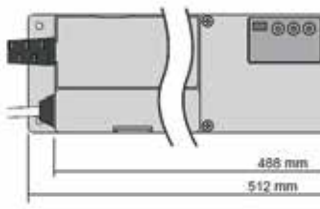
WITH MOTOR MCU
CONCEALED INSIDE
PS20-311

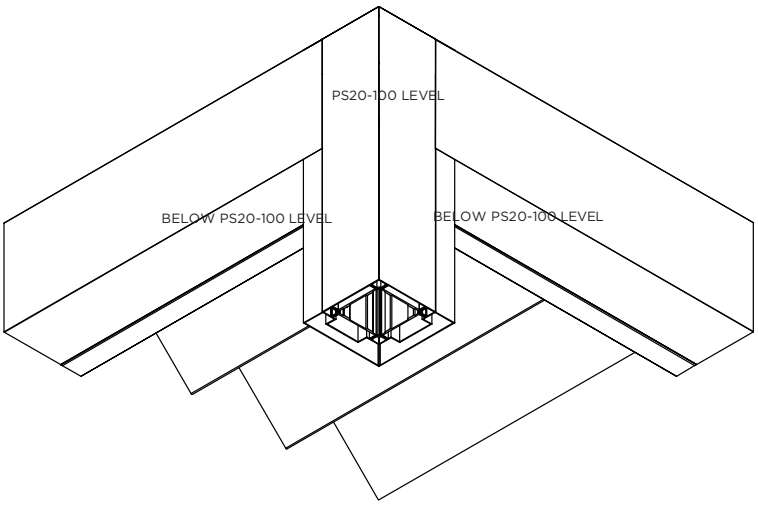


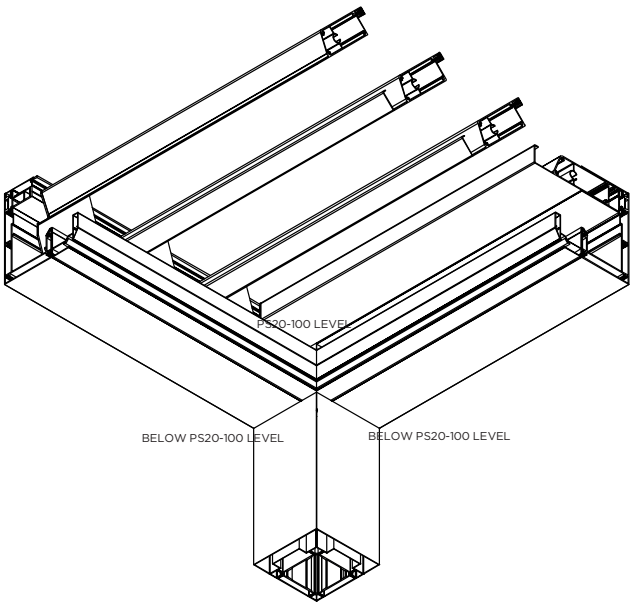


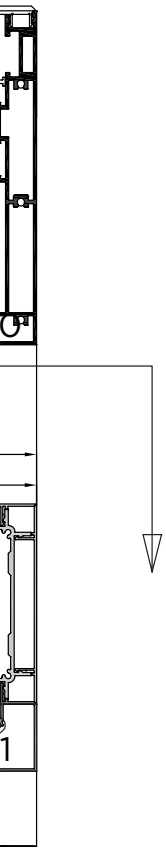


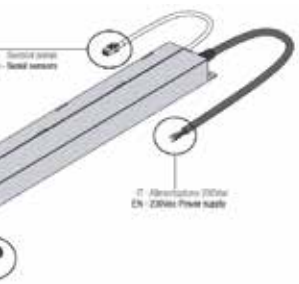


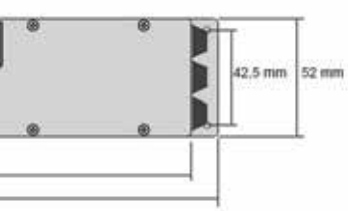



PS20-100 LEVEL
BELOW PS20-100 LEVEL
BELOW PS20-100 LEVEL

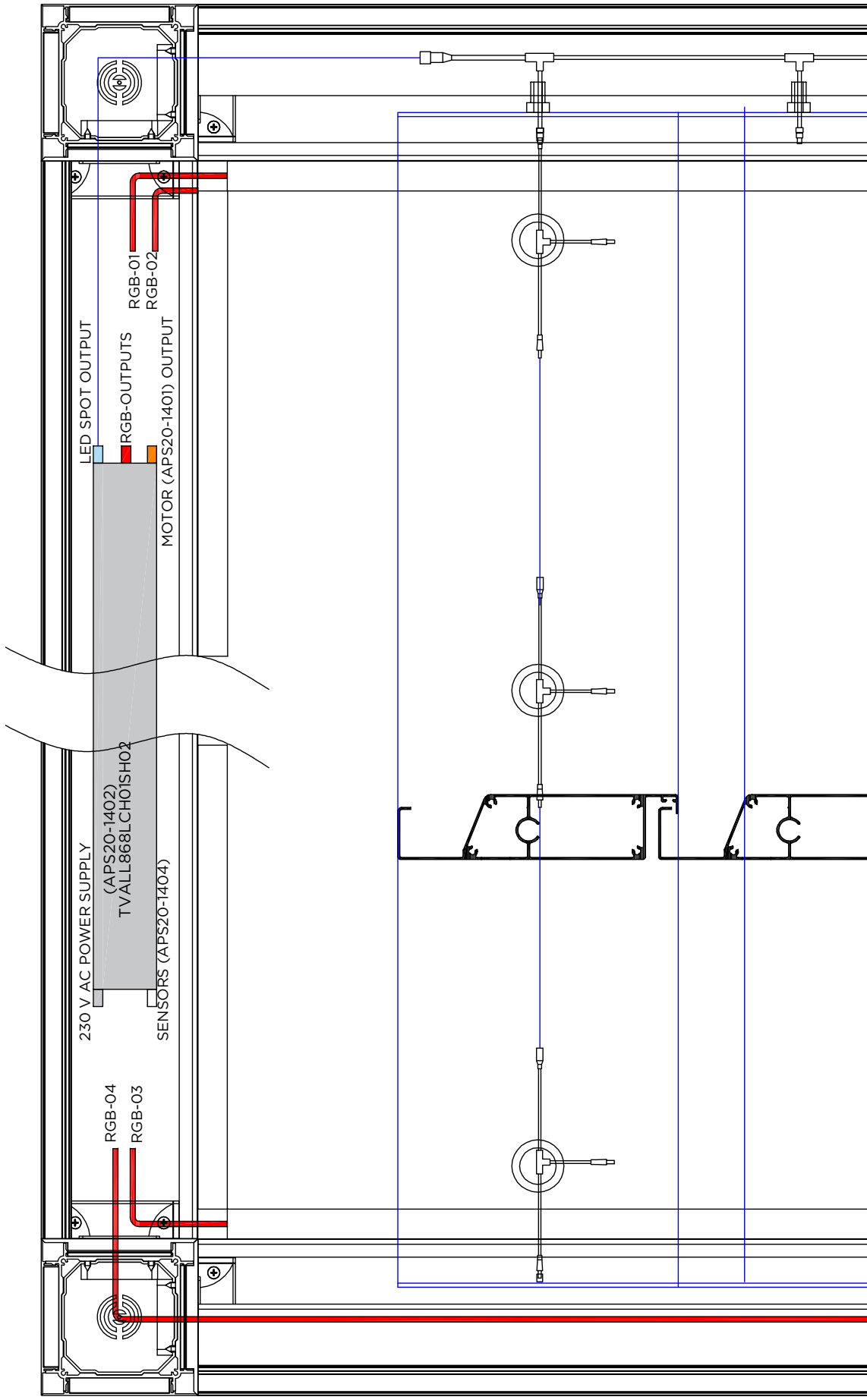

PS20-100 LEVEL
BELOW PS20-100 LEVEL
BELOW PS20-100 LEVEL

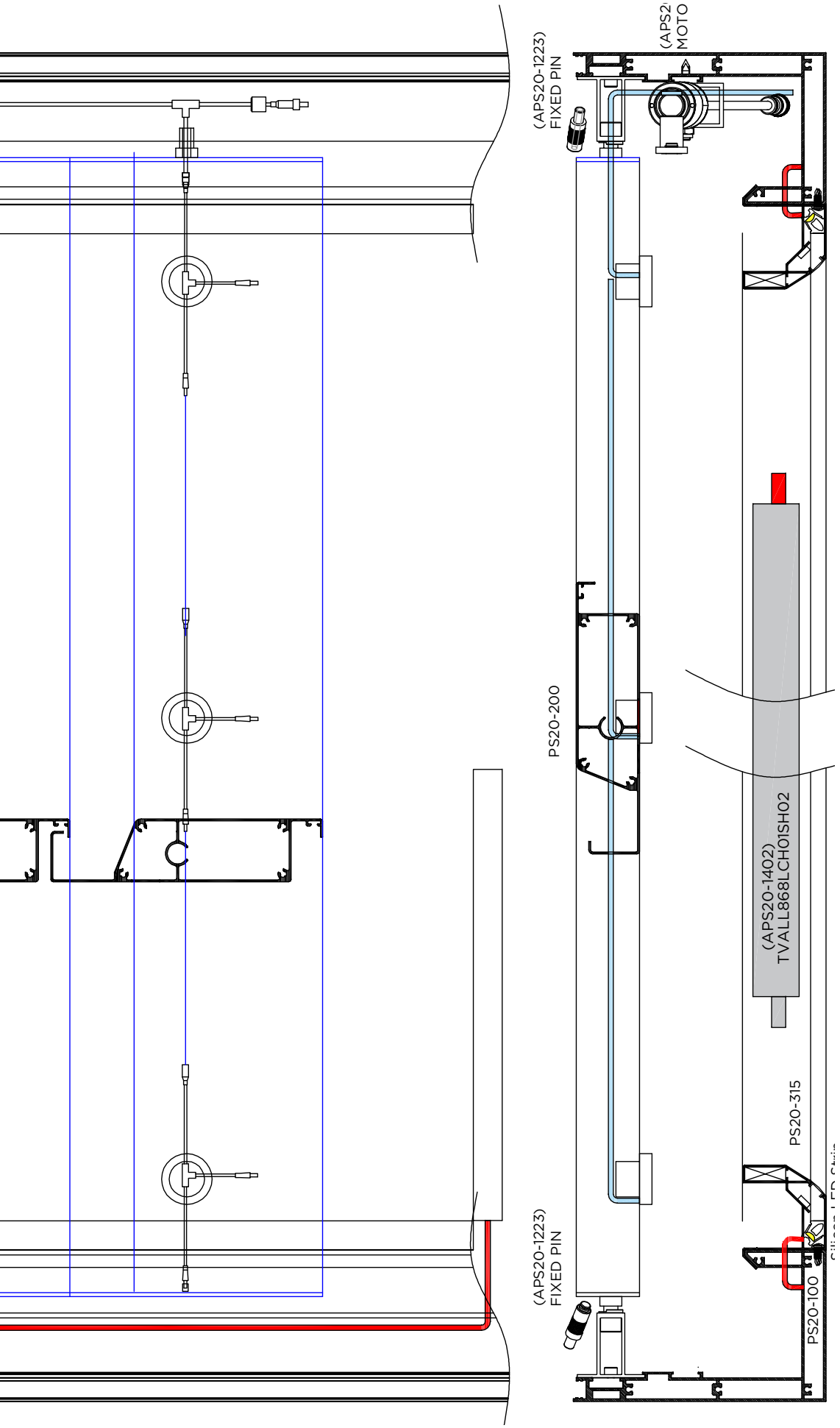




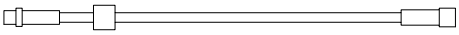

42,5 mm
52 mm


25 mm


LED SPOT OUTPUT
RGB-OUTPUTS
RGB-01
RGB-02
MOTOR (APS20-1401) OUTPUT
230 V AC POWER SUPPLY
(APS20-1402)
TVALL868LCH01SH02
SENSORS (APS20-1404)
RGB-04
RGB-03


(APS20-1223)
FIXED PIN
(APS2
MOTO
PS20-200
(APS20-1402)
TVALL868LCH01SH02
PS20-315
(APS20-1223)
FIXED PIN
PS20-100

APS20-1412
7M-EXTENSION





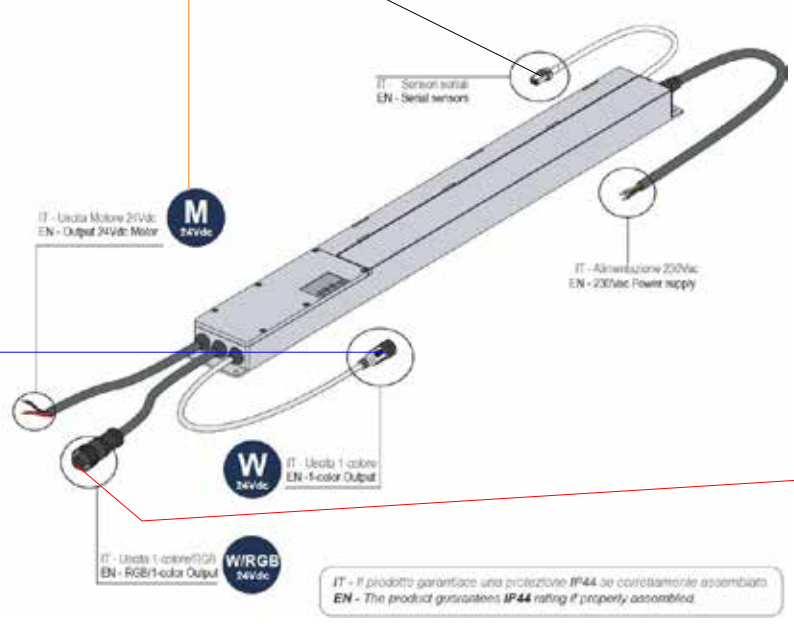
5M-EXTENSION

APS20-1404

RAIN106WTS01K
RAIN106WTS01HK



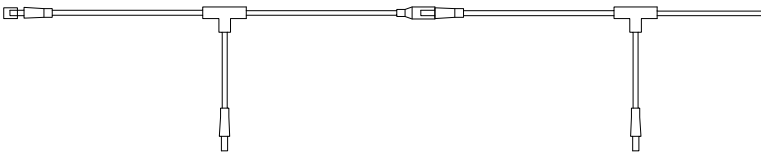
APS20-1402



LED
SPOT
LINE

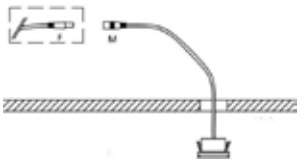
END CAP

APS20-1406

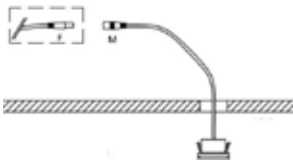


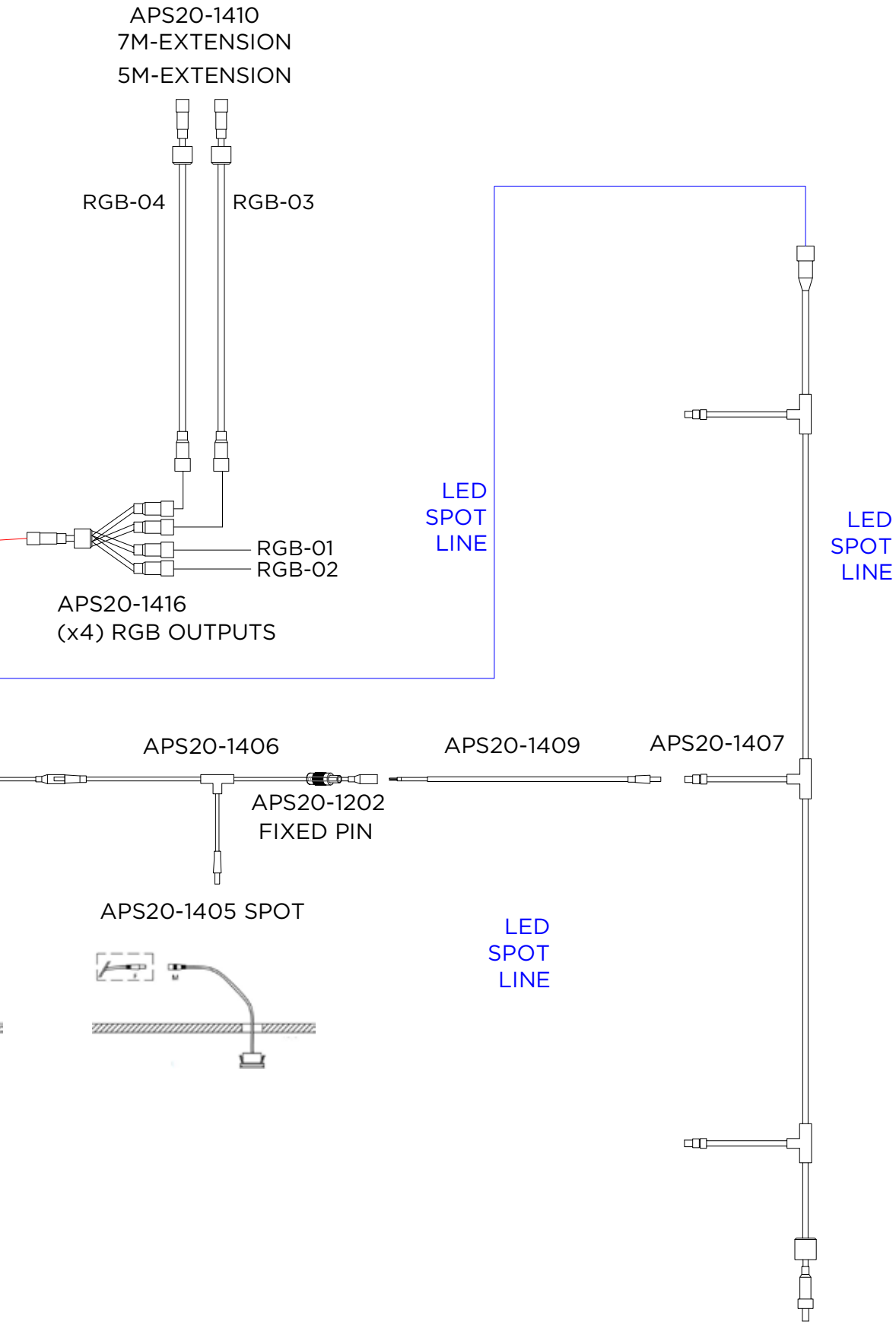
APS20-1406

APS20-1405 SPOT



APS20-1405 SPOT




APS20-1410
7M-EXTENSION
5M-EXTENSION
RGB-04
RGB-03
RGB-01
RGB-02
APS20-1416
(x4) RGB OUTPUTS
LED
SPOT
LINE
LED
SPOT
LINE
APS20-1406
APS20-1409
APS20-1407
APS20-1202
FIXED PIN
APS20-1405 SPOT
LED
SPOT
LINE

ALUMINCO®
ALUMINIUM BUILDING SYSTEMS

320 11 Inofita Viotia, Greece
T. +30 22620 47000
F. +30 22620 47090

www.aluminco.com
info@aluminco.com

11/2026