

Test Report



Number	23-002574-PR02 (PB-E01-02-en-02)
Owner (Client)	ALUMINCO S.A. Megali Rahi 32011 Inofita Viotias Greece
Product	Pergola Awning
Designation	System: PERGOLA BIOCLIMATIC Shipping name: FULL STANDING BIOCLIMATIC PERGOLA
Details	Manufacturer ALUMINCO S.A., - Inofita Viotias; Material Aluminium; Overall dimensions (W x H) 3000 mm x 5000 mm; Clear opening 2835 mm x 4645 mm; Cross section (L x W) 2835 mm x 215 mm; Cross section (H x D) 50 mm x 215 mm; Drive Motor
Special features	Fixed slats, non-retractable pergola awning
Order	Resistance to water accumulation - exterior blind
Contents	The test report contains a total of 5 pages and annexes (9 pages)
Note	This test report replace Test Report no. 23-002574-PR02 PB-E01-02-en-01 dated 22.12.2023. The test report shall only be published in its unabbreviated form. The "Guidance Sheet for the Use of ift Test Documents" applies.

No. 23-002574-PR02 (PB-E01-02-en-02) dated 09.01.2024
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Resistance to water accumulation - exterior blind



1 Execution

1.1 Sampling and product description

The following details have been presented to ift:

Sampler: ALUMINCO S.A., 32011 Inofita Viotias (Greece)
Sampling date: 05.09.2023
Evidence: A sampling report has been presented to ift.
Date of delivery: 12.12.2023
Description: For product identification the specimen tested is described/represented in the Annex. Material specifications, item numbers and other company-specific descriptions are details provided by the client and will be checked for plausibility by ift.

ift-No. of test specimen (PK): 23-002574-PK02 / WE: 59902-001

1.2 Basic documents *) of the procedures

EN 1933:1998 - 11

Exterior blinds - Resistance to load due to water accumulation - Test method

*) and the relevant national versions, e.g. DIN EN

1.3 Short description of the procedures

Resistance to water accumulation in order to EN 1933:1998-11

For testing the test specimens was set up in actual conditions and installation position. Nozzle rows to achieve the required amount of water were installed on top of the test specimen. With the flow of water set for the class being tested, the spraying was maintained for 1 h. Any deterioration observed was recorded. In addition any noticed water penetration throughout the test specimen was recorded.

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Resistance to water accumulation - exterior blind

2 Detailed results

Resistance to load due to water accumulation in order to EN 1933:1998-11

Project-No. 23-002574-PR02
 Basis EN 1933:1998-11
 Exterior blinds - Resistance to load due to water accumulation - Test method
 Test equipment EPst/026348 - Window and facade test rig
 Test specimen Pergola Awning
 Test specimen No. 59902-001
 Date of test 12.12.2023
 Test engineer in charge Alexandros Simeonidis
 Test engineer Alexandros Simeonidis

Implementation of tests

Deviations There have been no deviations from the test method as specified in the standard/basis.

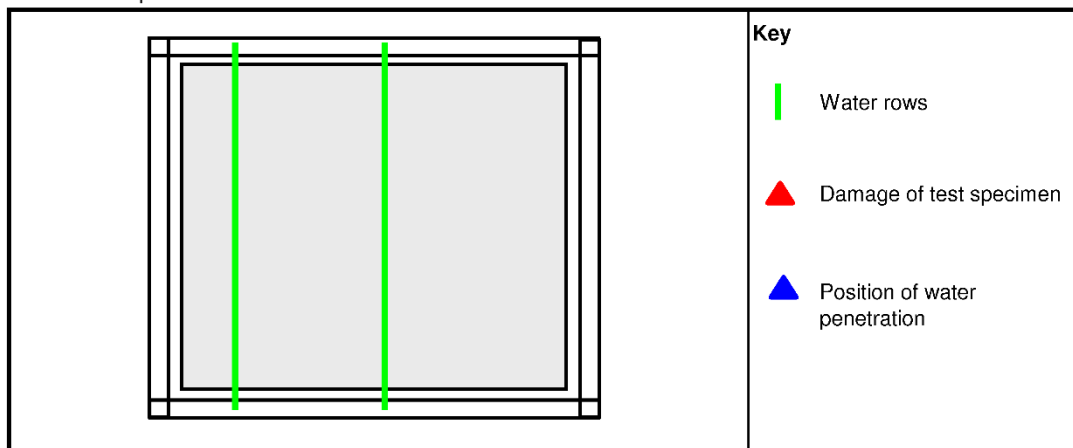
Ambient conditions Temperature 18 °C Air humidity 50 % Air pressure 1002 hPa

The ambient conditions are in accordance with the standard/basis requirements.

Measurement data/Results

System PERGOLA BIOCLIMATIC
 Pergola profile system PS20-100
 Pergola slats PS20-200
 Drive unit Motor
 Number of slats 23
 Total size 3000 x 5000 mm
 Clear dimension of slats 2835 x 4645 mm

View of test specimen - load due to water accumulation



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Resistance to water accumulation - exterior blind



Resistance to load due to water accumulation - Test according to EN 1933

Water amount 840 l/h
14 l/min

Table Water amount (maintained for 1 hour)

	Class	1	2	
Water amount	l/m ² /h	17	56	
passed			✓	

Water accumulation test passed up to class 56

Table: Test

Test time [min]	Notice
60	No water penetration

3 Summary

3.1 Result

The test results are shown in the measuring data sheet, see item "Detailed results".

3.2 Instructions for use

This test/evaluation does not allow any statement to be made on further characteristics of the present structure regarding performance and quality, in particular the effects of weathering and ageing.

The test was performed in order to standard and the details for identification of the test specimen are complete. .

ift Rosenheim

09.01.2024



Thomas Stefan, Dipl.-Ing. (FH)
Head of Testing Department
Building Component Testing



Alexandros Simeonidis, B.Eng.
Operating Testing Officer
Building Component Testing

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Die Beschreibung des geprüften Probekörpers dient der normkonformen Identifizierung des Produkttyps, für den die festgestellten Werte gelten. Alternativ zur vorgegebenen tabellarischen Datenerfassung kann die Beschreibung auch in Form von technischen Zeichnungen, Verarbeitungsrichtlinien, Stücklisten etc. erfolgen. Zusätzliche Produktdetails bitte ergänzen.

Die *Mindest-Angaben sind Voraussetzung für die Erstellung eines ift-Nachweises. Nur bei Angabe aller in diesem Dokument angeforderten Daten ist ggf. eine nachträgliche Gutachtliche Stellungnahme möglich. Alle *Mindest-Angaben des Auftraggebers werden vom ift auf Plausibilität geprüft; ggf. festgestellte Abweichungen und/oder ergänzende Feststellungen werden dokumentiert.

The description of the specimen to be tested serves to identify, in conformity with the standards, the product type, for which the values determined will apply. Alternatively to the specified tabulated data collection, the description may also be made by technical drawings, processing instructions, parts lists, etc. Please supplement additional product details.

The *minimum details are the precondition for issuing the "ift-Nachweis". Only upon provision of all requested data subsequently requested Expert Statements may be issued. All *minimum details provided by the client will be checked for plausibility by ift, any deviations observed and/or additional findings will be documented.

* Mindestangaben

* minimum details

Alle Maßangaben in mm
 All dimensions in mm

Nicht Zutreffendes bitte löschen.
 Please delete non-appropriate.

Wareneingang-Nr.:

ID of goods received :

ift Mitarbeiter: asi
 ift staff member :

Eigenschaft Characteristic	Angaben des Auftraggebers (unverändert) Information provided by client (unchanged)
Produkt Product	* BIOCLIMATIC PERGOLA
Hersteller Manufacturer	* ALUMINCO S.A.
Bezeichnung / Typ / Art.-Nr. Designation / type / item no.	* FULL STANDING PERGOLA
System System	* PERGOLA BIOCLIMATIC
Probekörper 1 (Bzul x Hmax) Test specimen 1 (Wpermitted x Hmax)	*
Elementgröße (B x H) Element size (W x H)	3,000 mm x 5,000 mm
Charakterisierte Größe (B x H) Characterized size (W x H)	2,835 mm x 4,645 mm
Herstelldatum Date of manufacture	05.09.2023
Rollladenpanzer Roller curtain	
Material Material	ALUMINIUM 6063-T66
Profilnummer Profile no.	PS20-200 APS20-1101 PS20-300, fixed slat PS20-301, fixed slat
Profilquerschnitte (BxD) Profile cross sections (W x T)	215 mm x 50 mm

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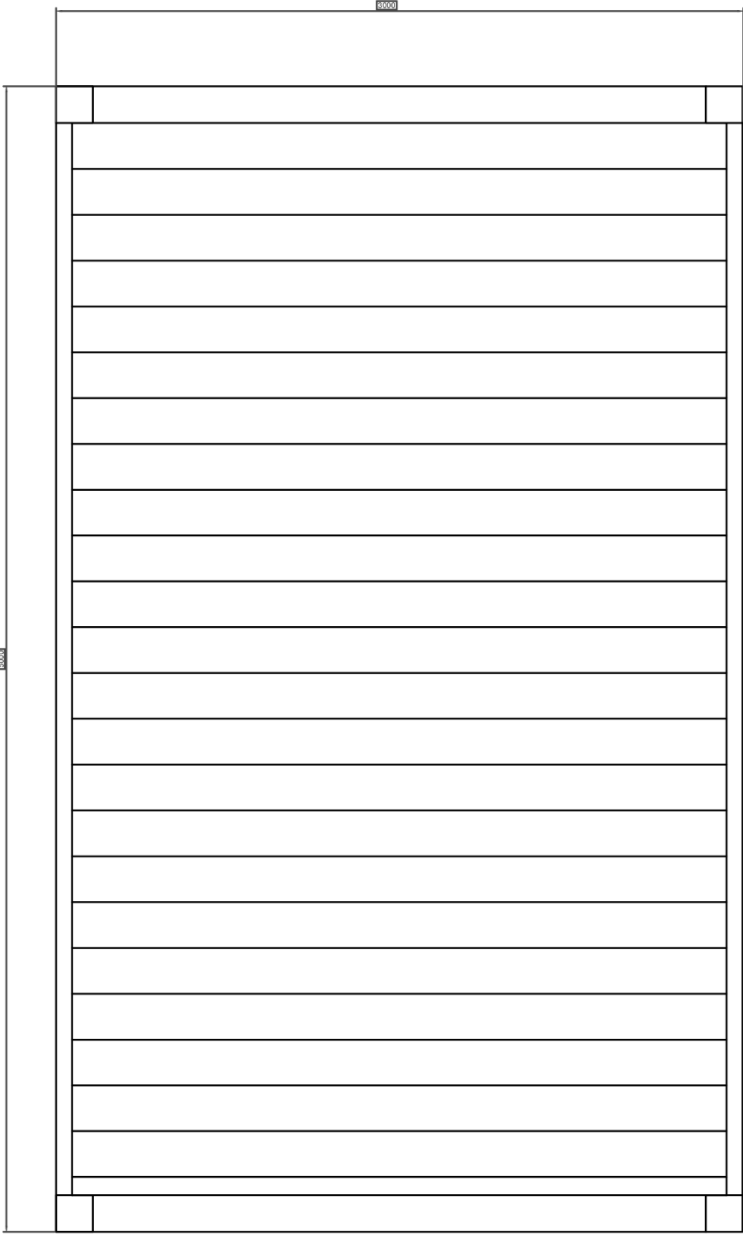
owner (client) ALUMINCO S.A., 32011 Inofita Viotias (Greece)



Eigenschaft Characteristic	Angaben des Auftraggebers (unverändert) Information provided by client (unchanged)
Einstand des Panzers in den Führungsnuten Lateral end-cap	N/A
Spiel des Panzers in den Führungsschienen Sealing of lamella	A410-019
Lamellenbreite Louvres width	2,835 mm
Antrieb/Bedienungsart Drive unit / mode of operation	LINEAR MOTOR 24V 2500N 300MM STROKE – Ø37MM
Hersteller Manufacturer	SOMFY-TELECO
Bezeichnung / Typ / Art.-Nr. Designation / type / item no.	LINEAR MOTOR
Untersetzungsverhältnis Reduction ratio	2500N – 300MM STROKE
Führungsschiene Guide track	
Material	ALUMINIUM 6063-T66
Profilnummer Profile no.	PS20-100 PS20-304, additional profile 902-200, cover profile, on PS20-304
Nutabmessung (T x B) Groove dimensions (D x W)	51 mm x 53.5 mm

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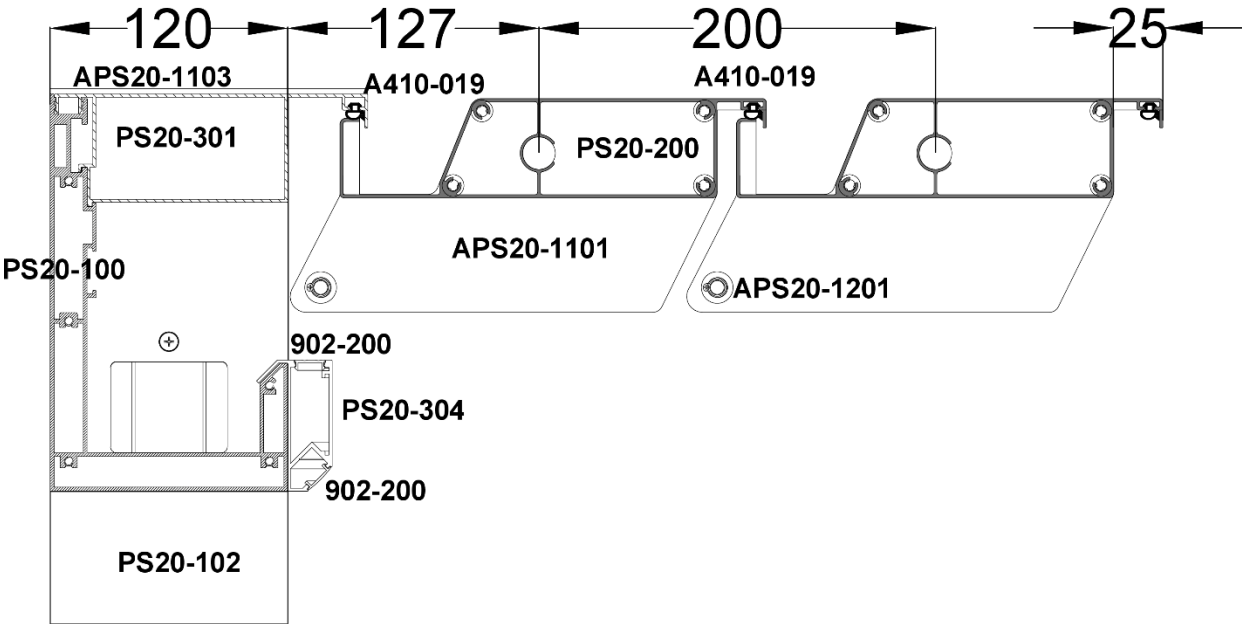
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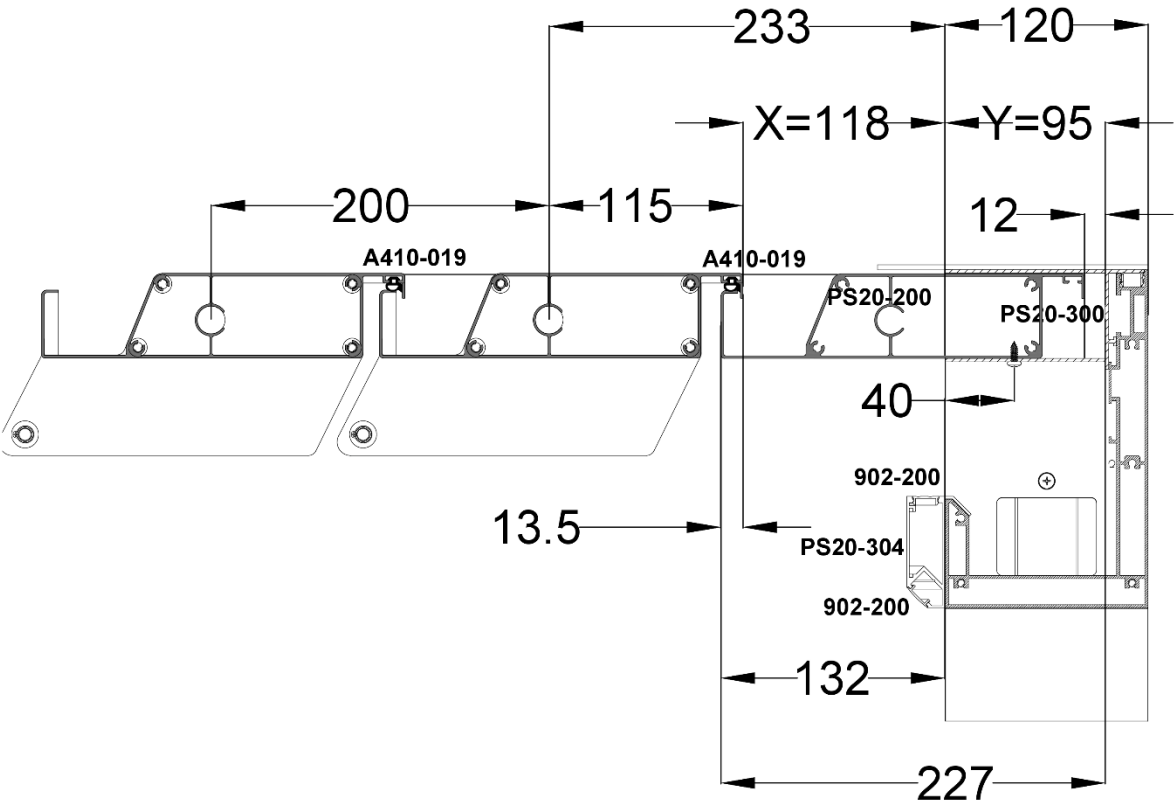
Picture 1 View of test specimen

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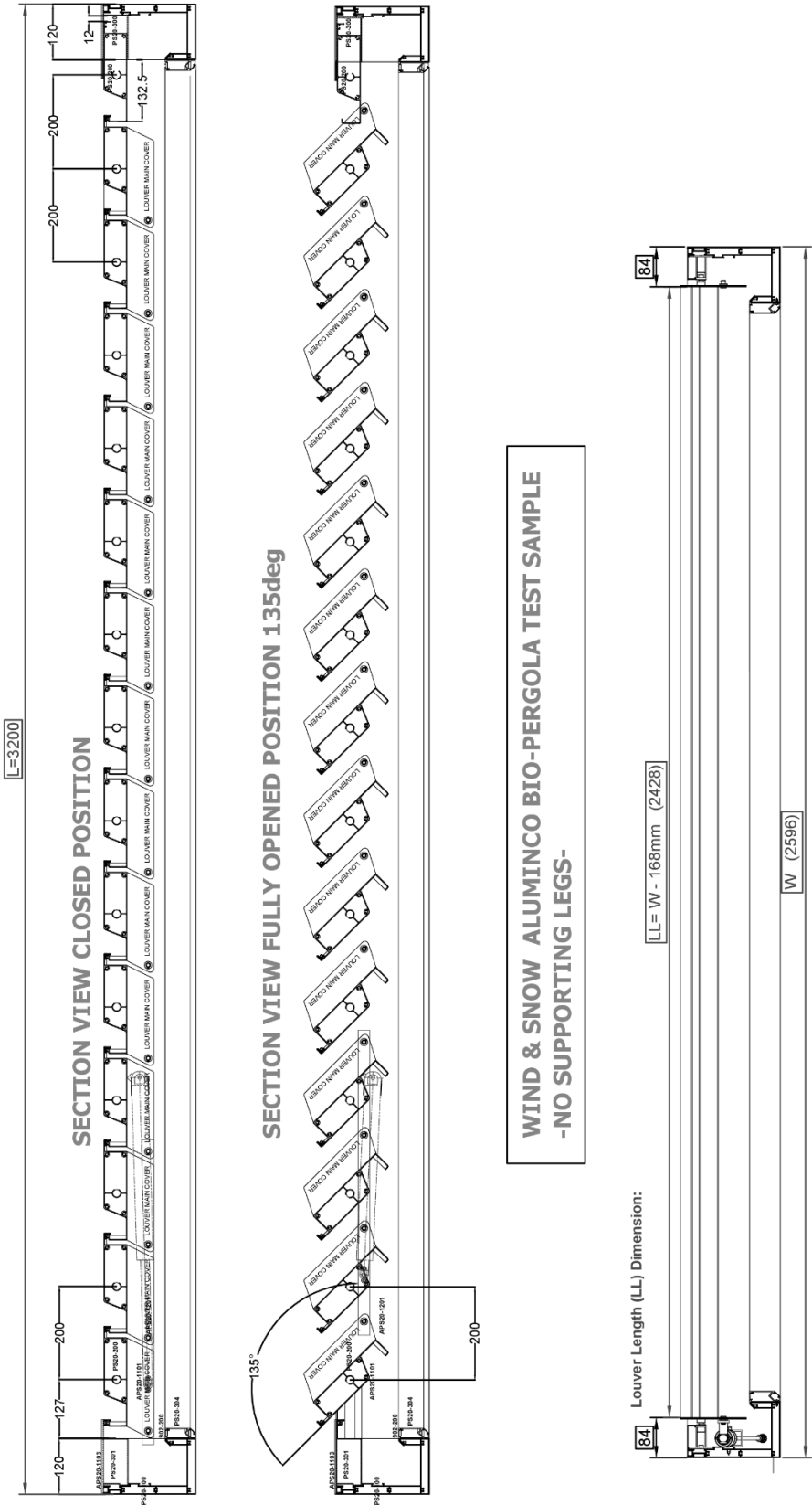
Picture 2 Vertical section



Picture 3 Vertical section

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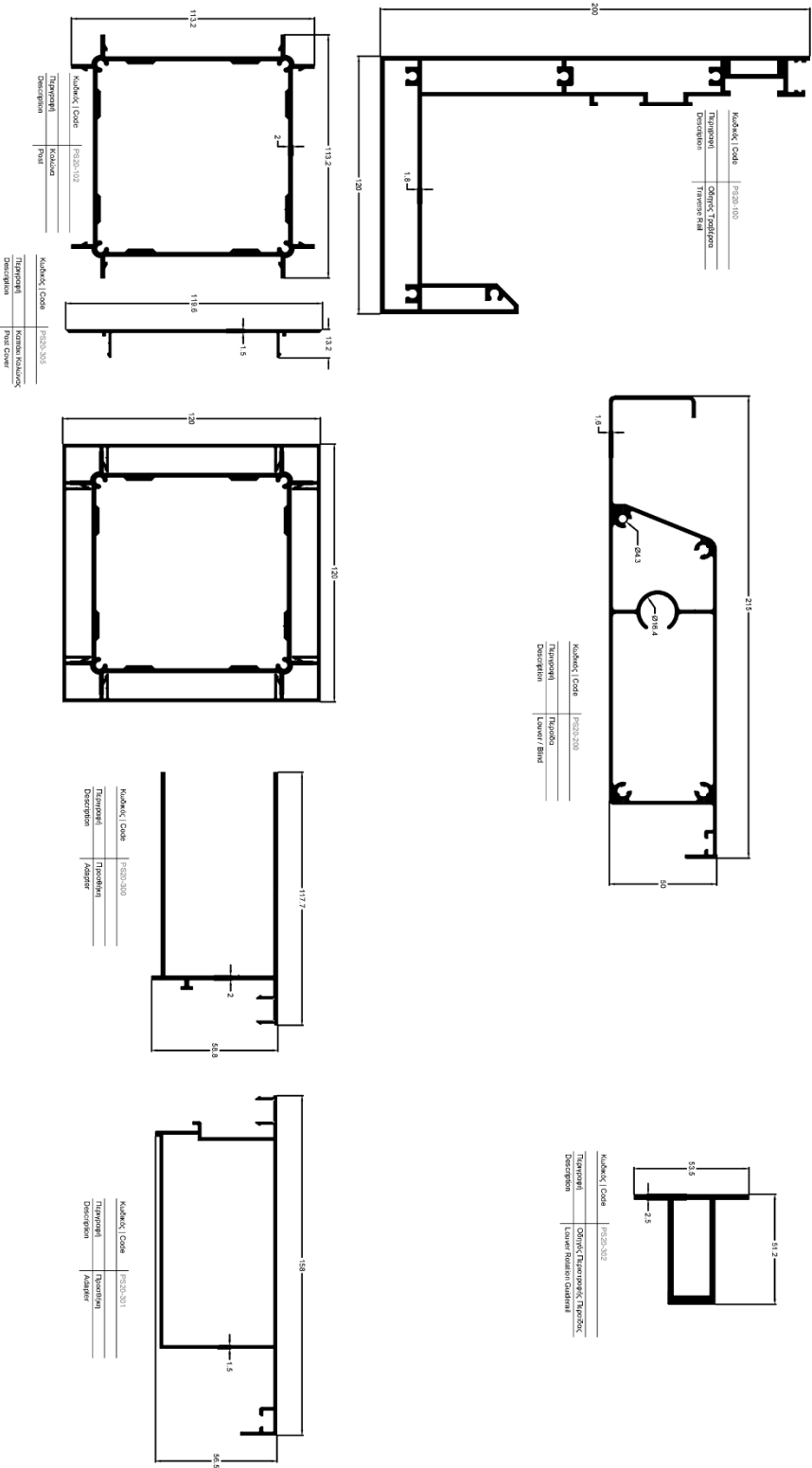
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Picture 4 Horizontal and vertical sections

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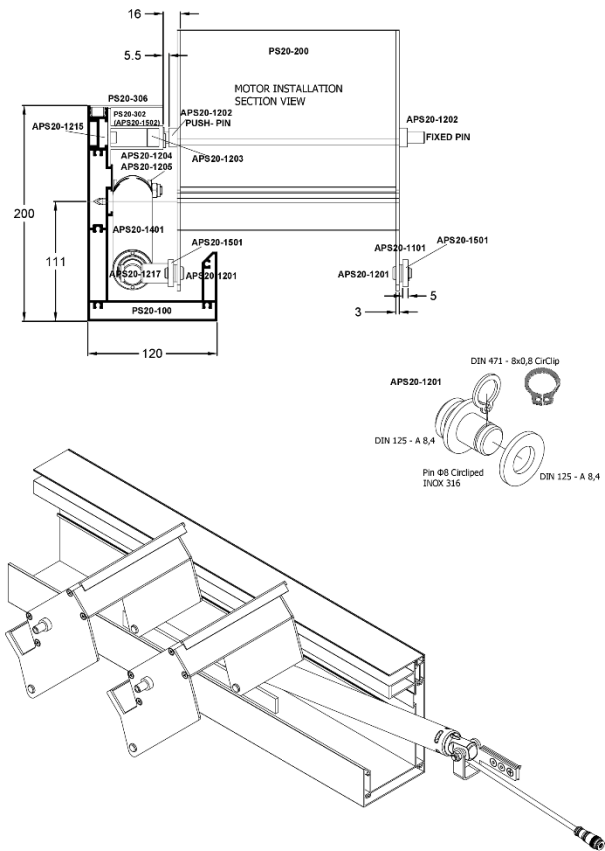


Picture 5

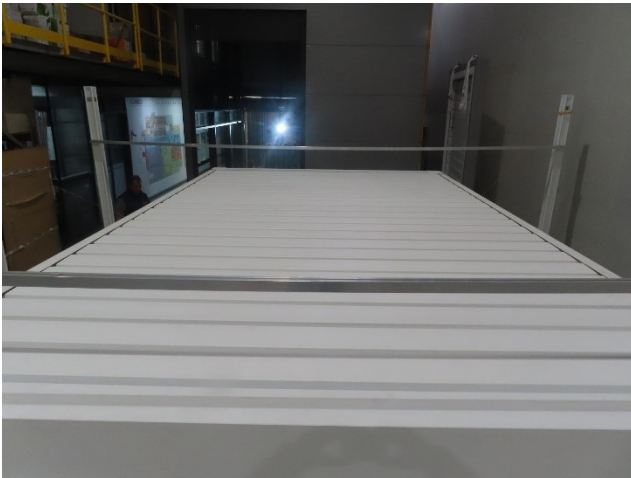
Profiles

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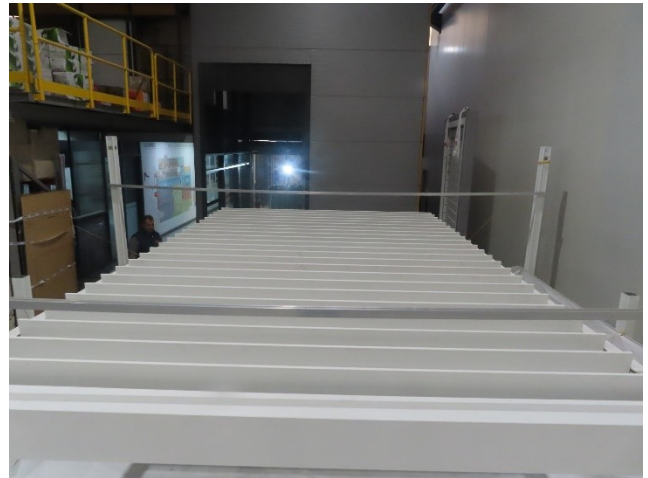
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Picture 6 Motor fixation



Picture 1 View



Picture 2 Opening view



Picture 3 Corner of test specimen



Picture 4 Corner of test specimen



Picture 5 Louvre sealing gasket



Picture 6 Drainage system

Attachment 3: Photo documentation of test specimen

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Picture 7 Drainage system