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EGYPT



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WALL PARTITIONS CATALOGUE

QUALITY YOU CAN TRUST

WALL PARTITIONS

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DESCRIPTION AND FEATURES



- WP100 helps architects and designers create smart and efficient interior spaces.
- Aluminum profiles comply with European Norms and Qualicoat and Qualanode certifications.
- The main features of WP100 are:
 - Sound and heat insulation.
 - Easy to clean.
 - All partitions are equipped with cable channels.
 - All accessories are concealed for more elegance.



AVAILABLE SYSTEMS



1. TEMPERED GLASS SYSTEM

- Possibility to add desired graphics and/or logos.
- 6 mm thickness



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2. GLASS WITH HORIZONTAL BLINDS

- This system comprises horizontal blinds placed in the internal space between the two layers of transparent glass at a thickness of 6 mm
- Available with manual and automated open / close mechanism
- Blades are 25 mm wide - available in a variety of different colors

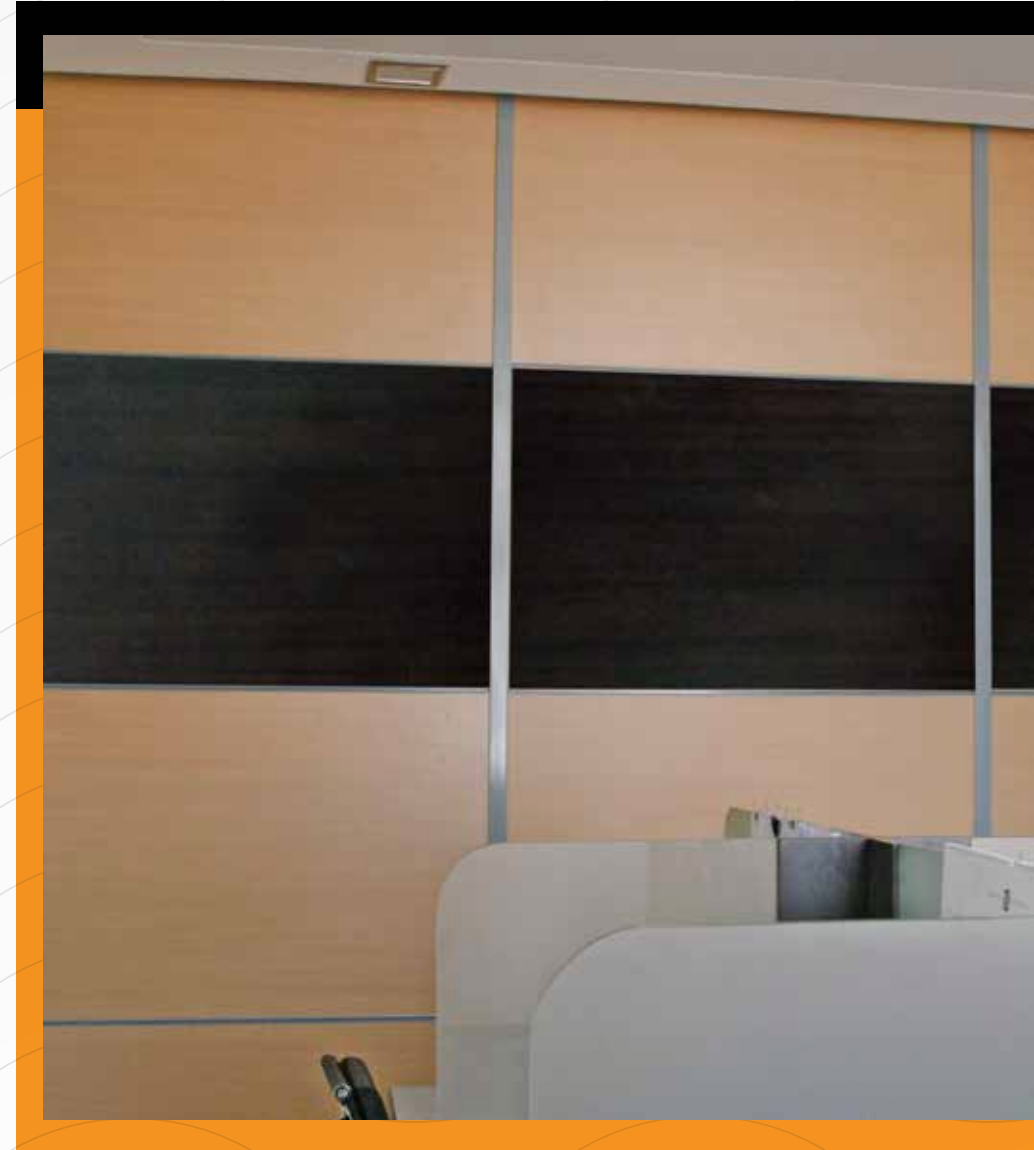
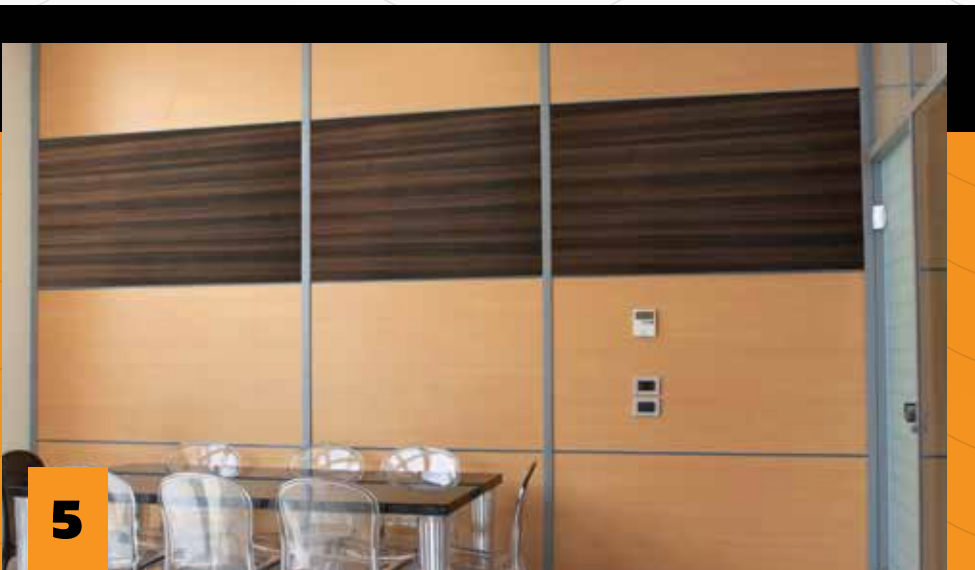


AVAILABLE SYSTEMS



3. WOOD SYSTEM

- Comprises melamine - clad wood
- Wood layer 12 mm thick.
- Possibility of adding insulation materials within the closed interior space, for superior insulation levels.
- A variety of colors and cut patterns produce flexible decoration and interior design options.



4. WOOD AND FABRIC SYSTEM

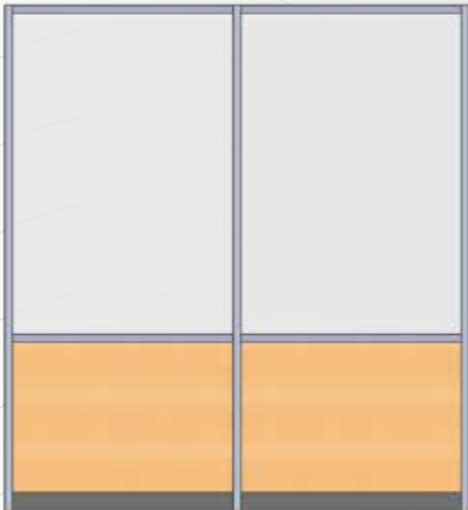
- Possibility of using 4 mm compressed cork or 5 mm sponge to package wood and fabric.
- Resulting product is sound - absorbent, and highly aesthetic with a variety of fabric colors.
- Possibility to add insulating materials within the interior space to increase sound and thermal isolation.



EXAMPLES OF AVAILABLE TYPOLOGIES



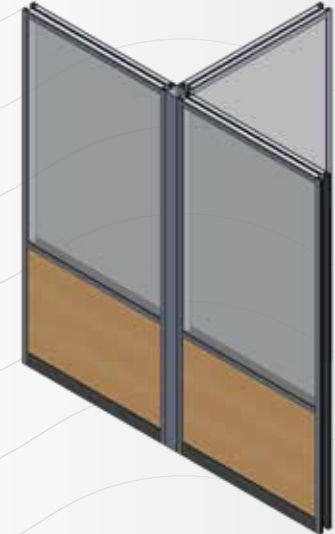
BASIC



L-SHAP



T-SHAP



CROSS



PARTITION WITH A DOOR OPENING



CAN BE ADDED TO
ALL TYPOLOGIES

- All typologies can be from ground to ceiling or can be open air partitions.
- All systems (wood, glass or fabric ...etc.) could applied to all typologies.

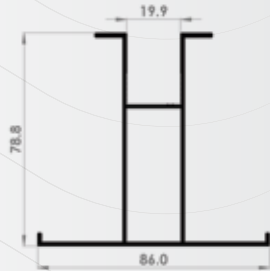
ALUMINUM PROFILES

■ ALL DIMENSIONS IN (MM)



HORIZONTAL BASE

VW 6195



HORIZONTAL BASE COVER

VW 6194

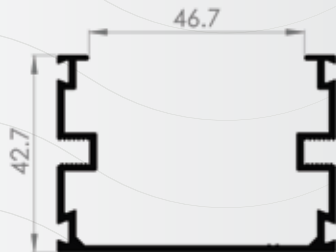


LOWER COVER

VW 6190

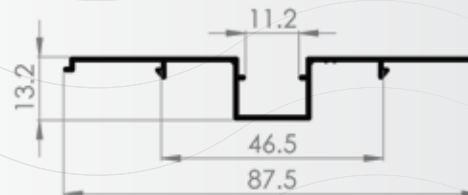


VERTICAL / HORIZONTAL SIDE VW 6196



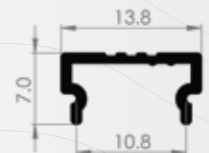
SIDE COVER

VW 6198



SIDE COVER END

VW 6199

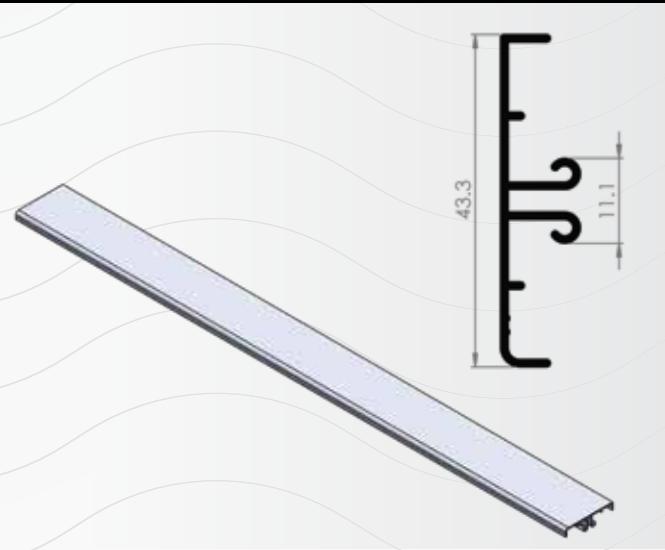


ALUMINUM PROFILES



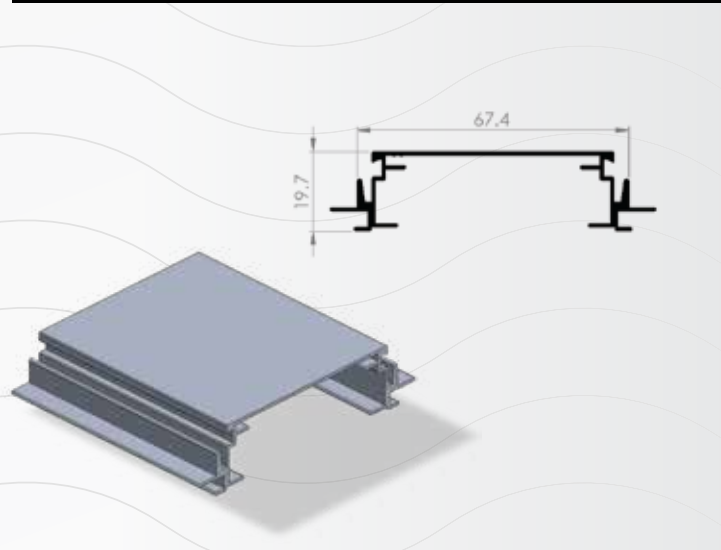
OUTER FACE COVER

VW 6188



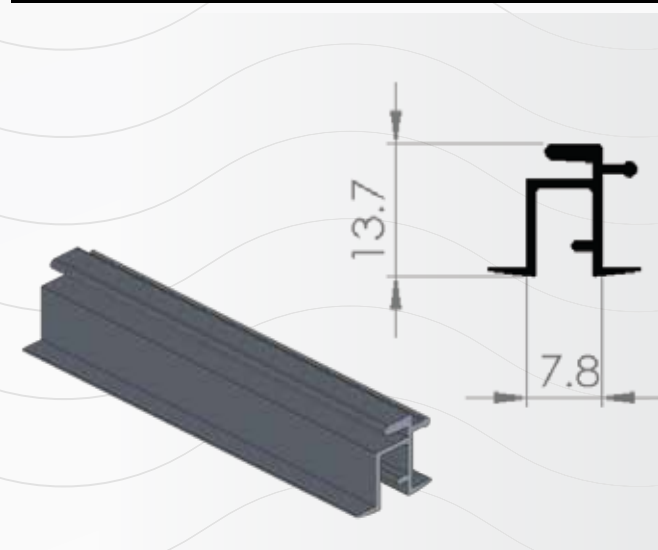
DIVIDER

VW 6191



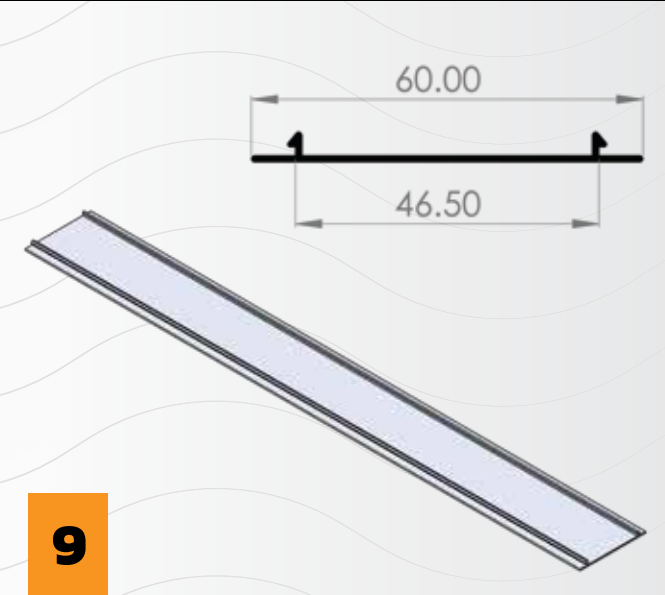
DIVIDER EXTENSION FOR GLASS

VW 6192



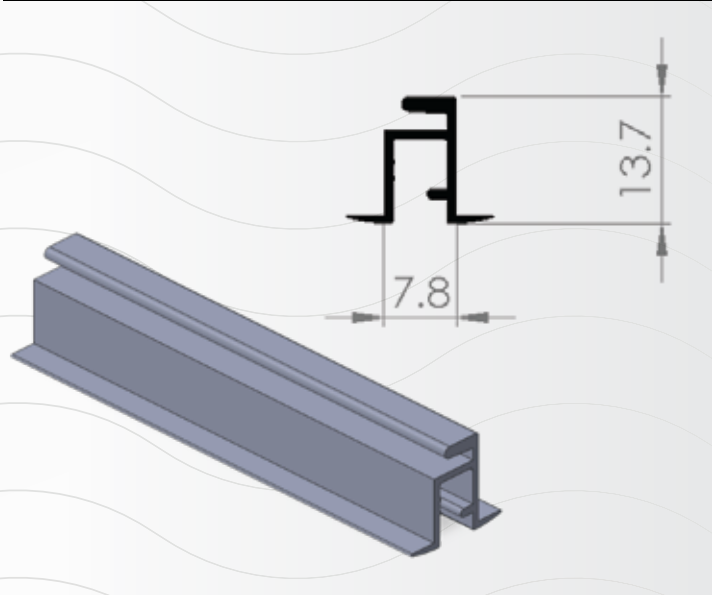
CURTAIN COVER

VW 6197



DIVIDER EXTENSION FOR WOOD

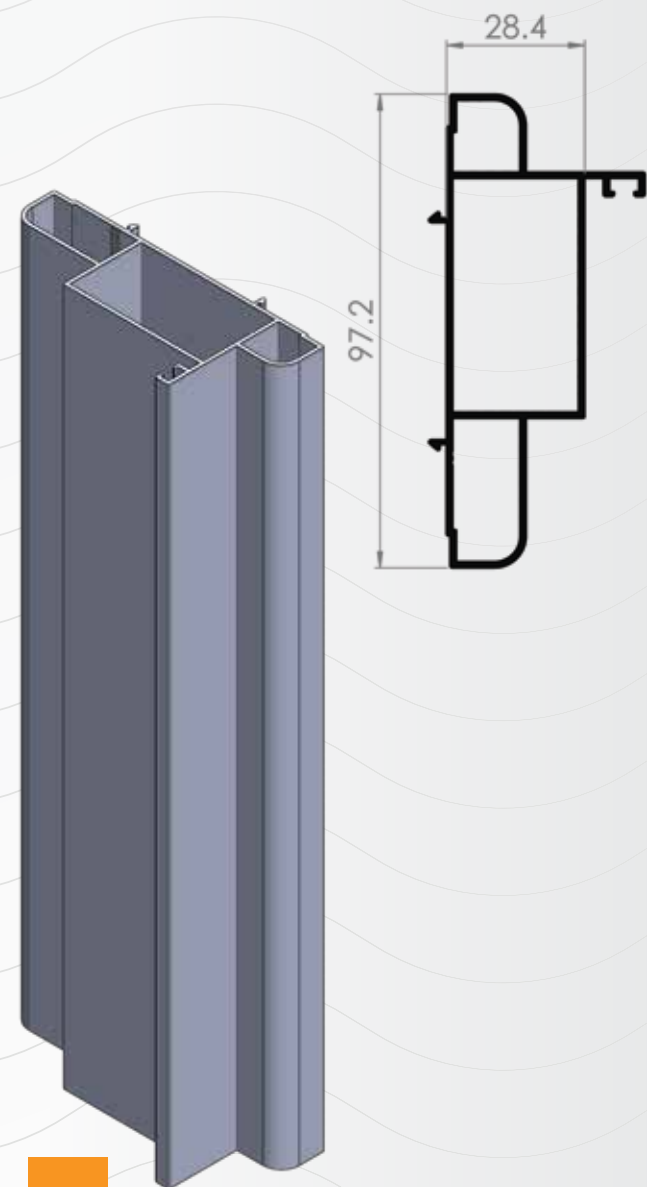
VW 6193



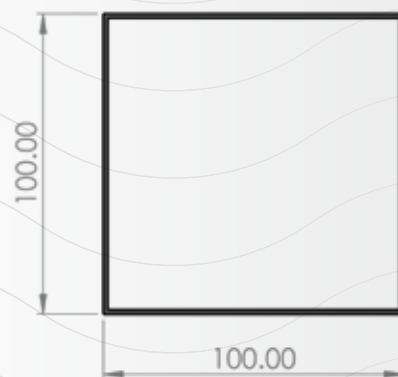
ALUMINUM PROFILES



DOOR HOLDER
VW 6299



TUBE 10 X 10
TU 1010 (90°)



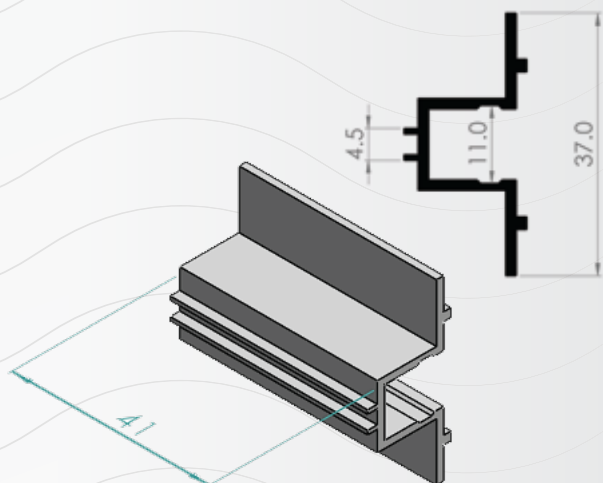
TUBE 10 X 10
TU 1010 (135°)



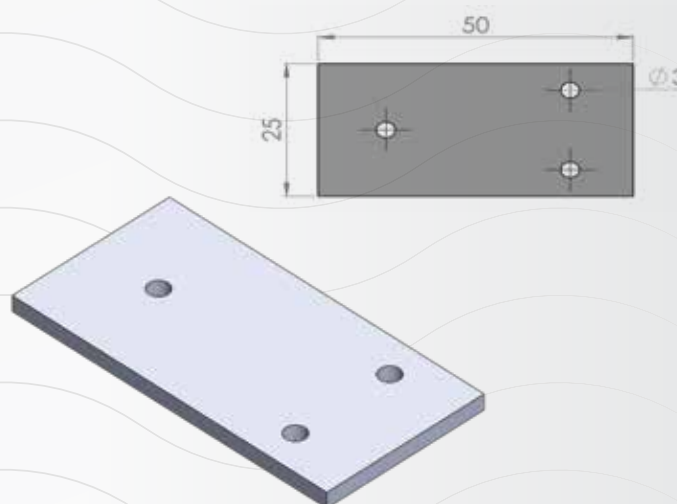
ACCESSORIES



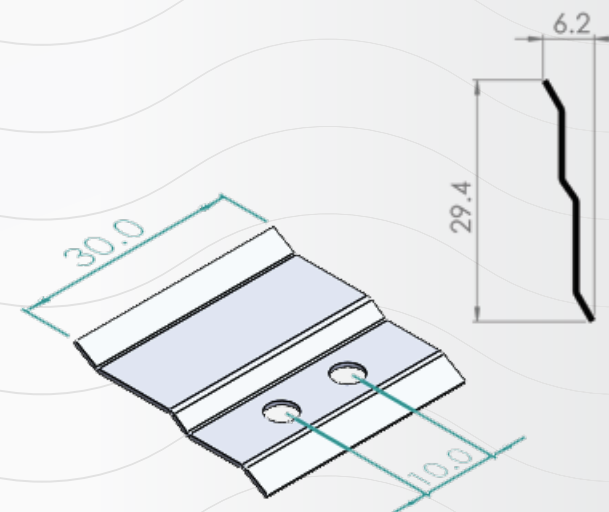
HOLDER OF THE PANELS
VW 01



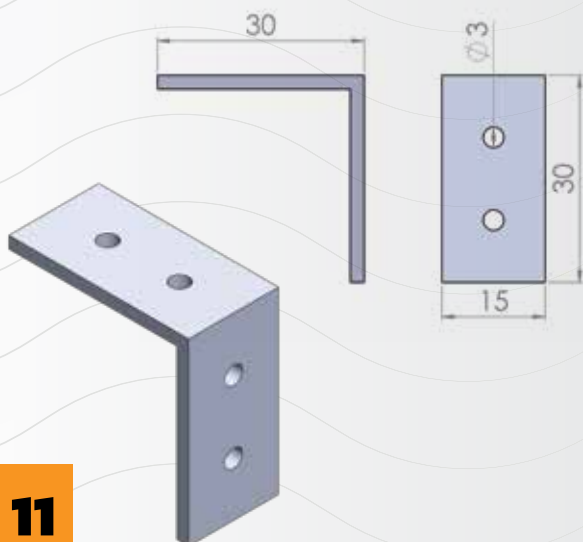
THREE HOLES FIXING SEGMENT VW 02



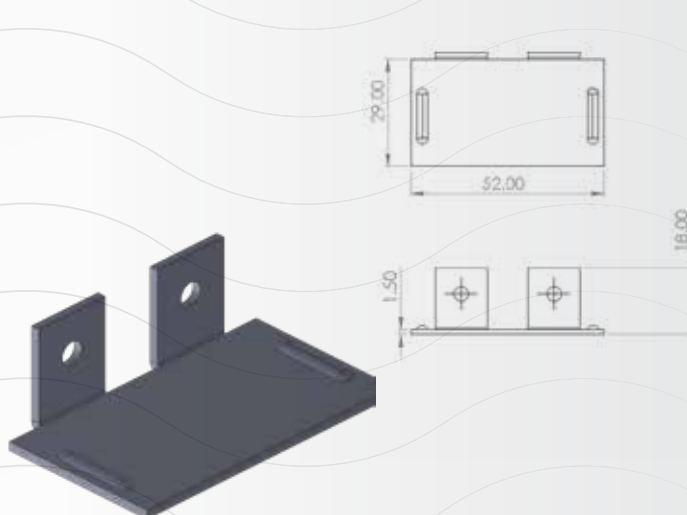
LOWER COVER FIXATION
VW 03



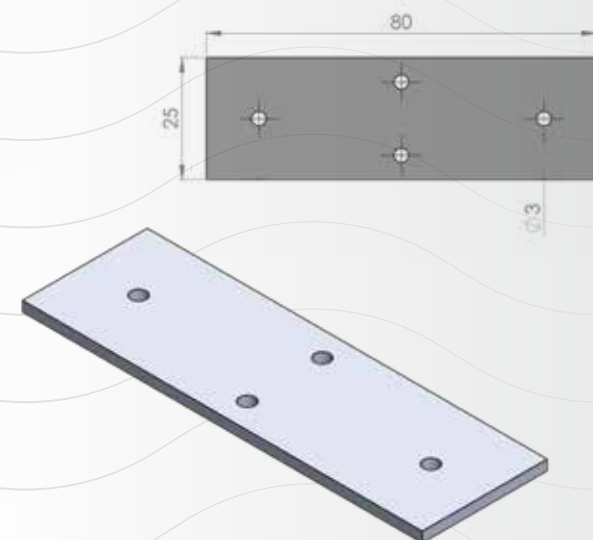
SEGMENT TO FIX SIDE WITH THE BASE VW 04



FIXING SEGMENT FOR DIVIDER VW 08



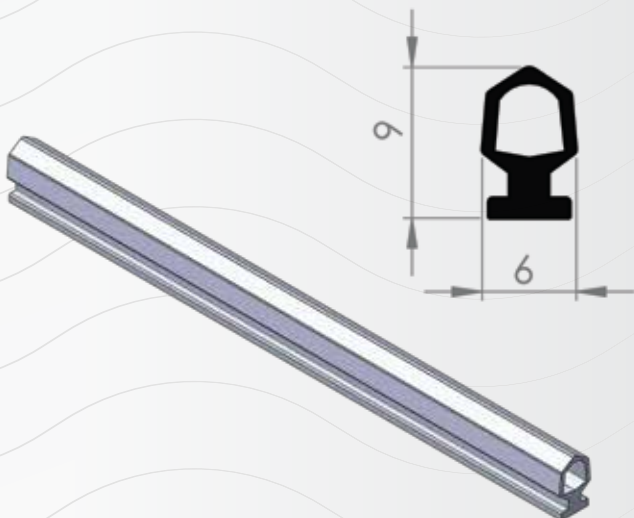
FOUR HOLES FIXING SEGMENT VW 09



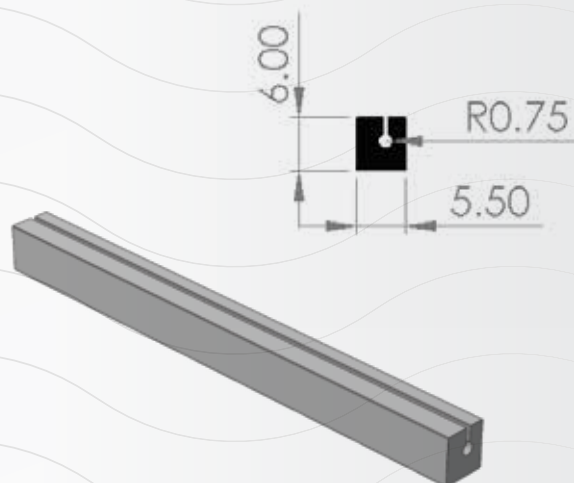
ACCESSORIES



GASKET FOR GLASS
VW 05



GASKET FOR GLASS
VW 06



**CURTAIN CABLE WITH
HOLDER VW 07**



**M3 X 15 MM SELF-DRILL
SCREW VW 10**



**M6 X 70 MM SCREW WITH
WALL PLUG VW 11**

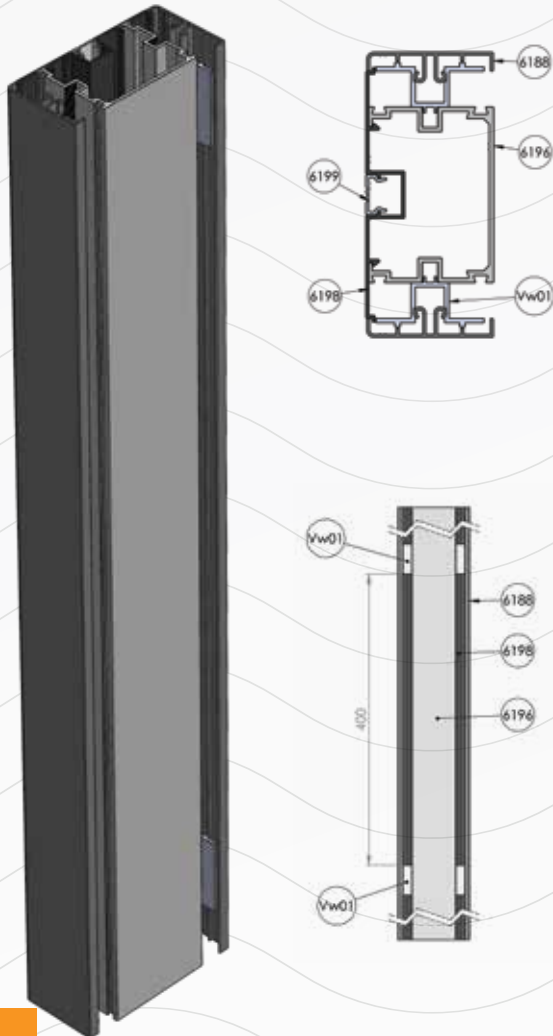


ASSEMBLY OF ALUMINUM PARTS



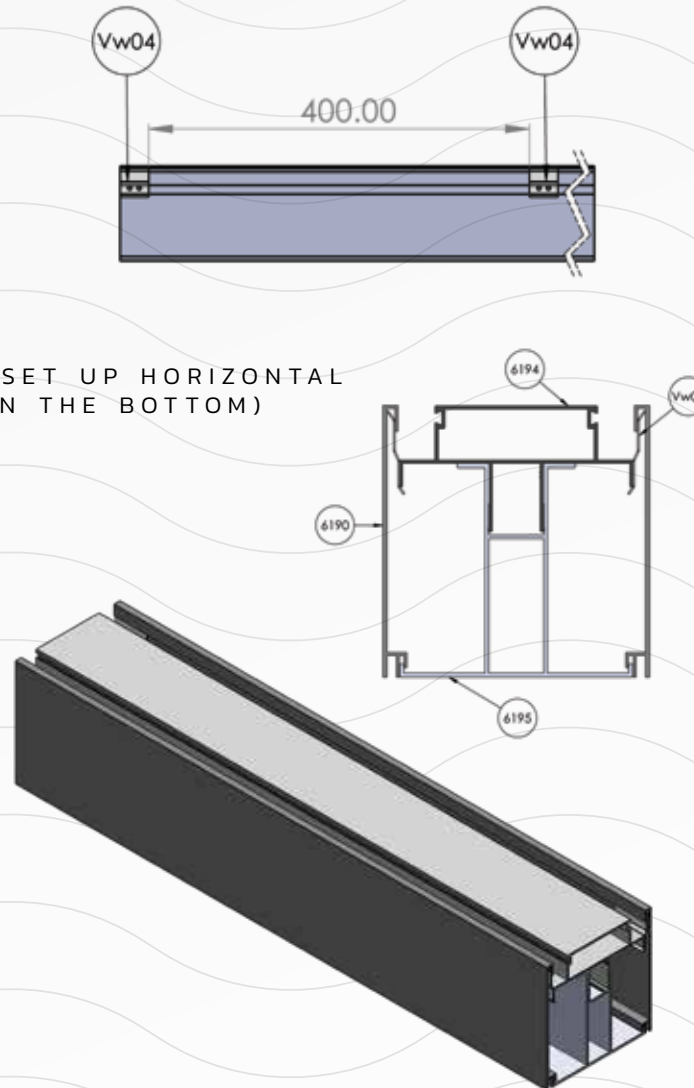
SIDE ASSEMBLY

SET UP VERTICAL AND HORIZONTAL IN THE END;
AND IN THE MIDDLE WITHOUT THE (6199,6198)PARTS

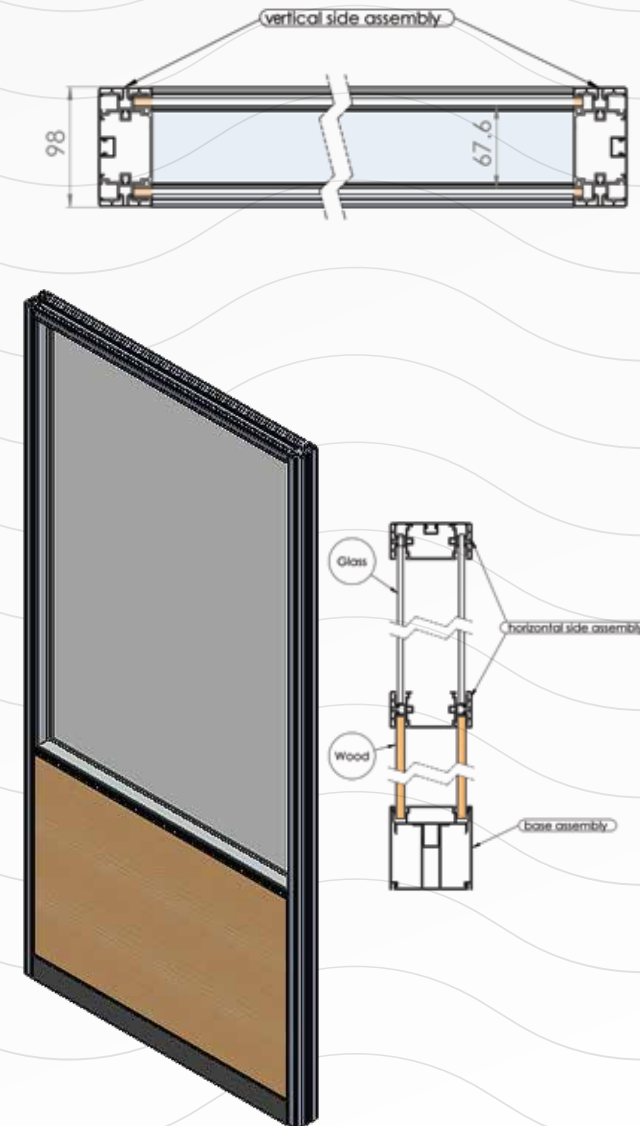


BASE ASSEMBLY

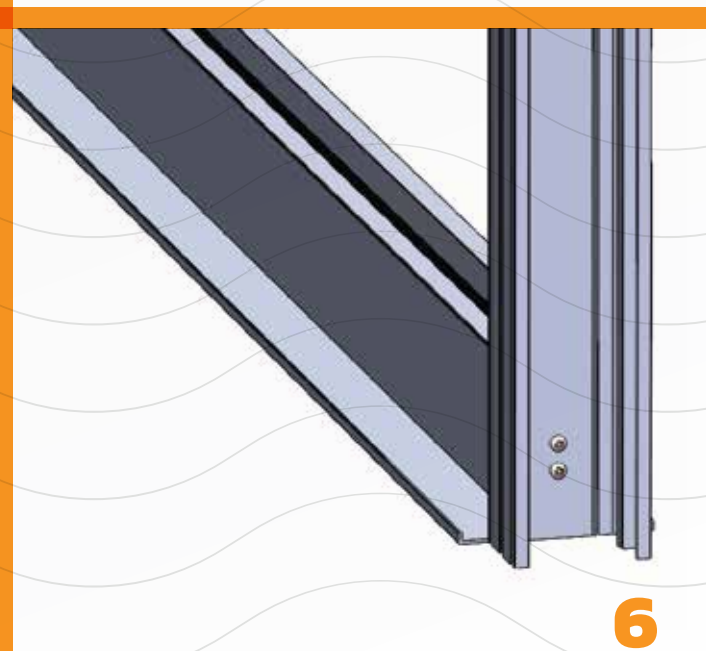
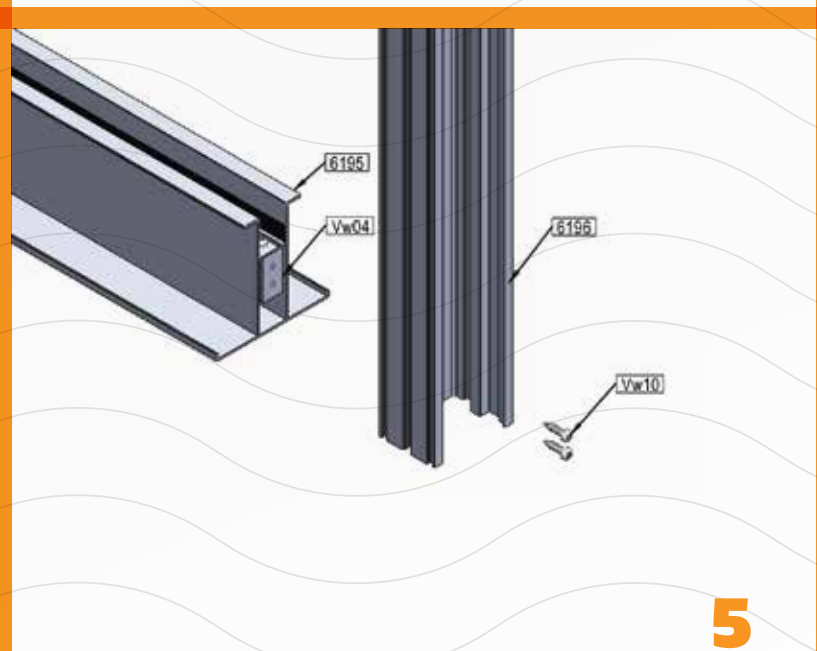
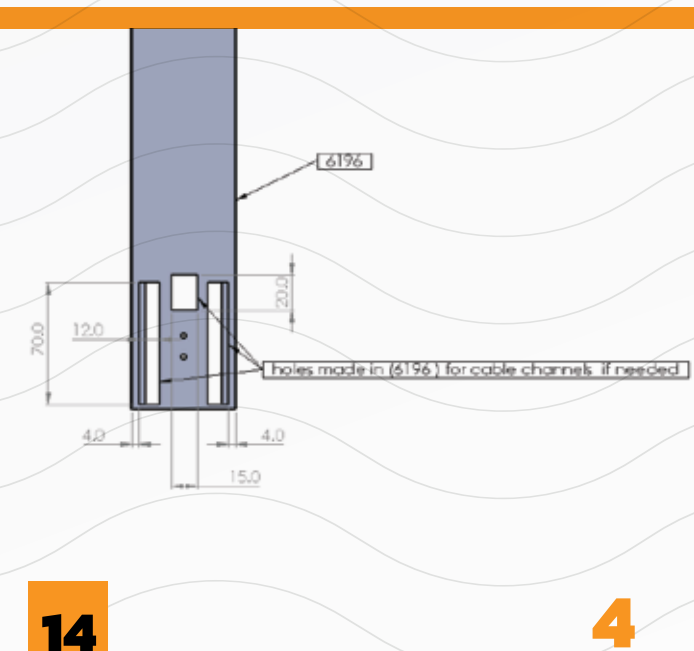
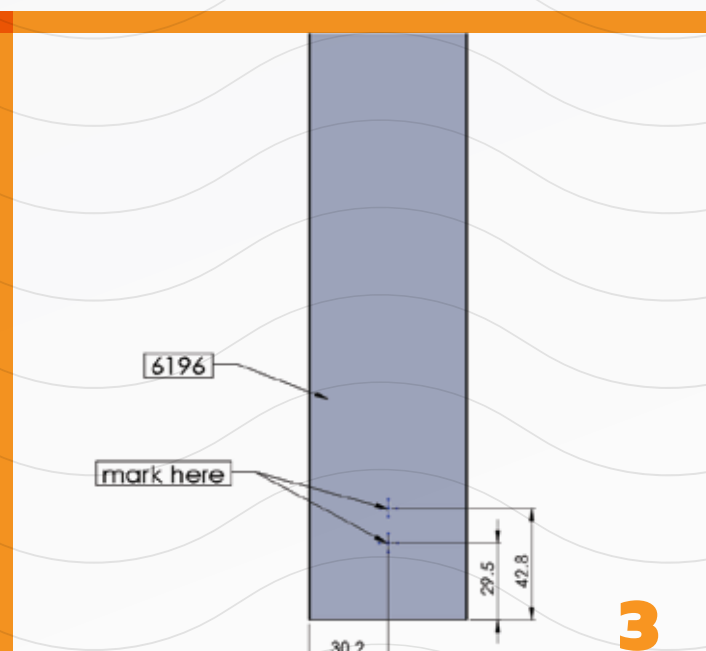
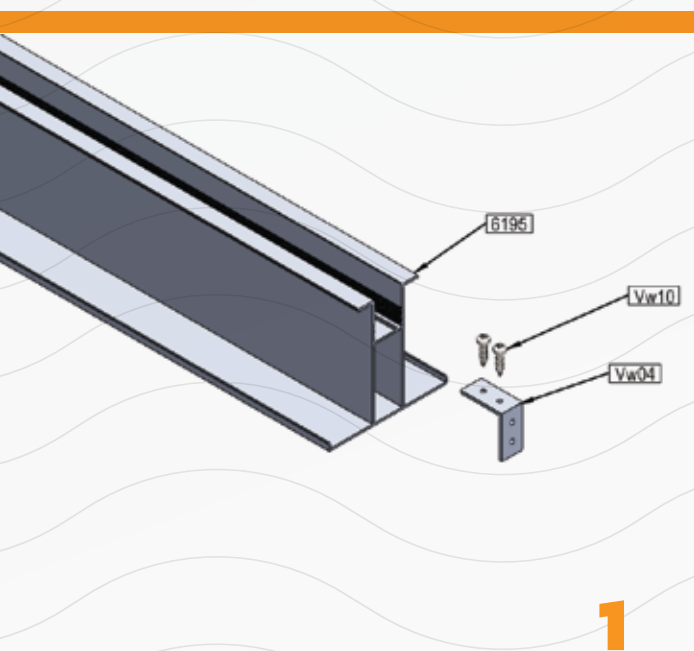
(SET UP HORIZONTAL
IN THE BOTTOM)



PARTITION ASSEMBLY



ASSEMBLY INSTRUCTIONS



ASSEMBLY INSTRUCTIONS



Repeat steps
from (1) to (6) in
the other side

7



8



9

If more than (6 meters) we add
a (10x10 tube) as shown in steps (66:71)

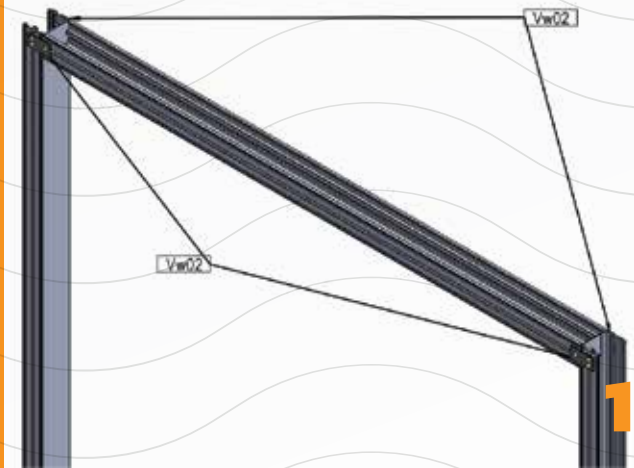
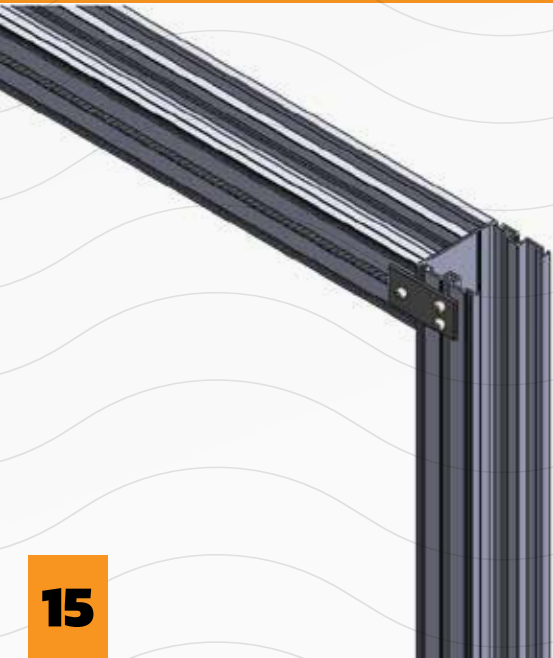
Repeat steps (9,10)
on the second side
then on the back face

15

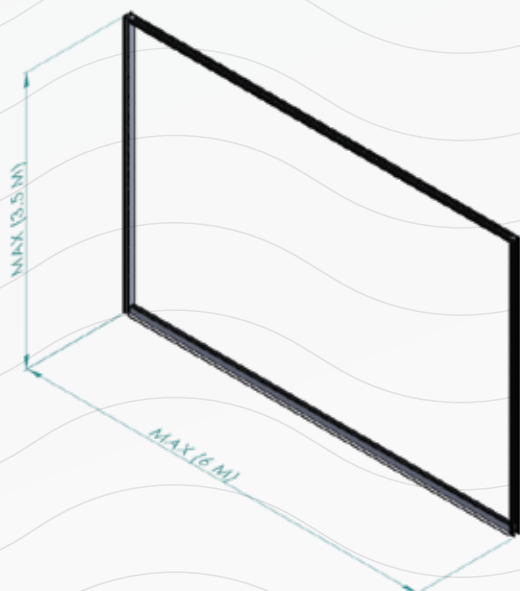
10

11

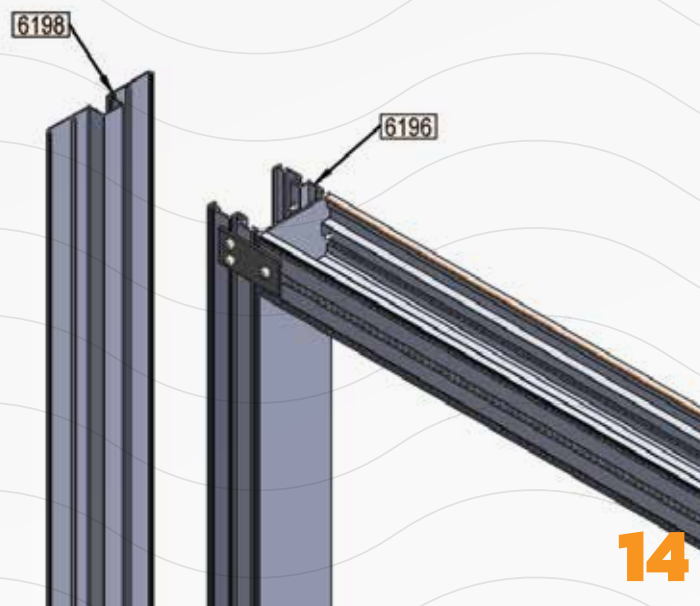
12



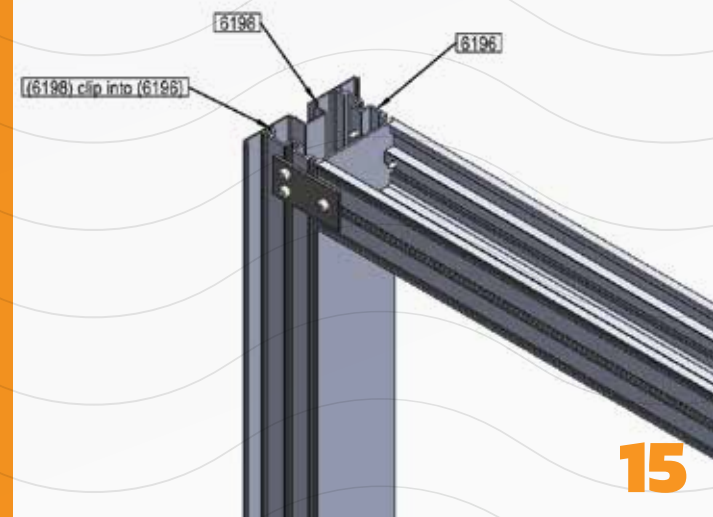
ASSEMBLY INSTRUCTIONS



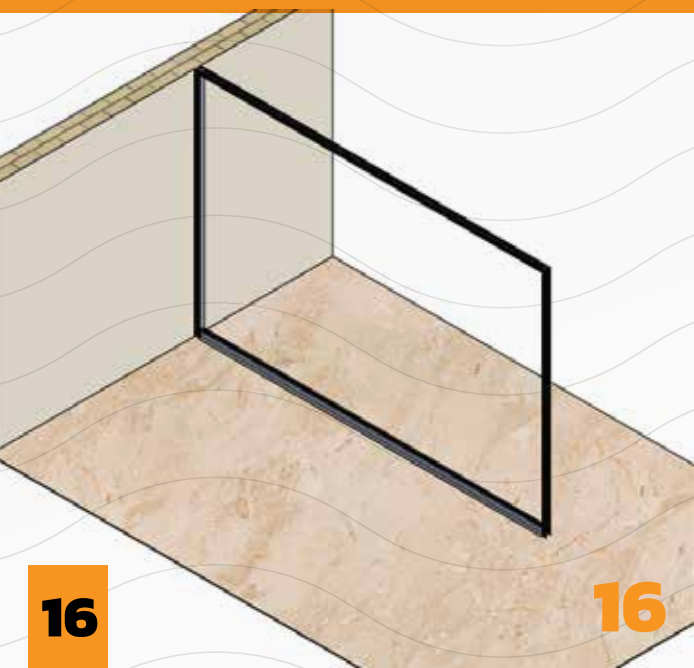
13



14



15



16

16

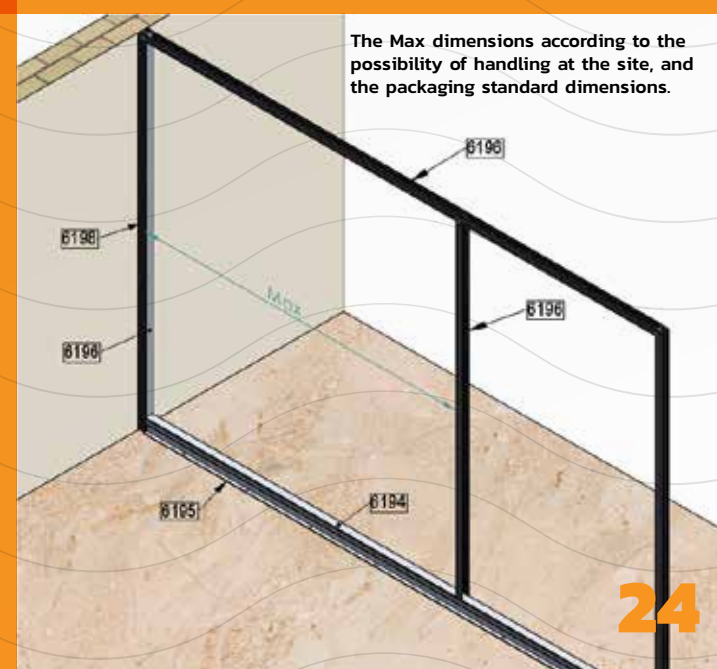
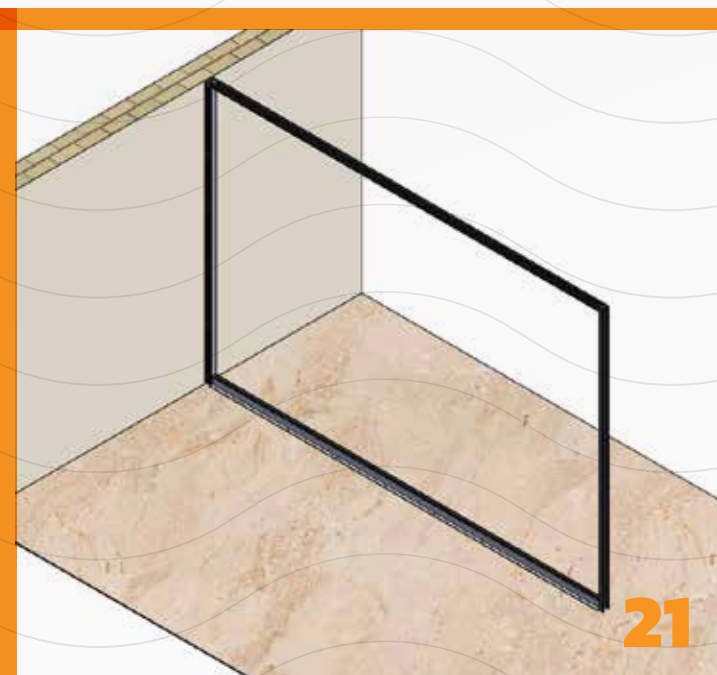
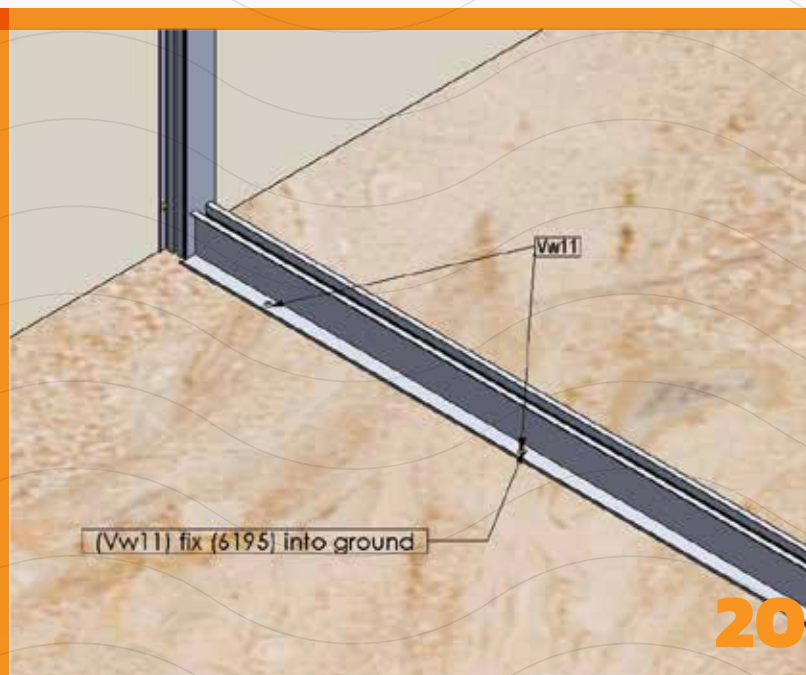
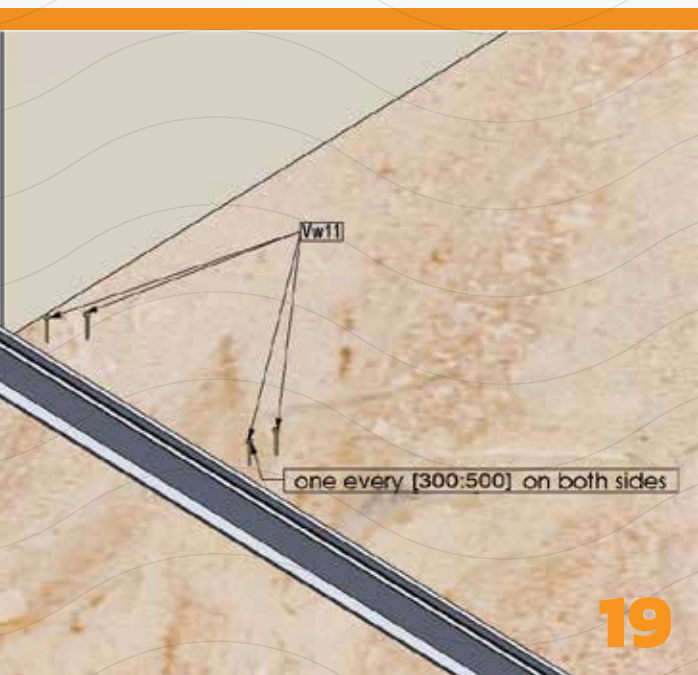


17

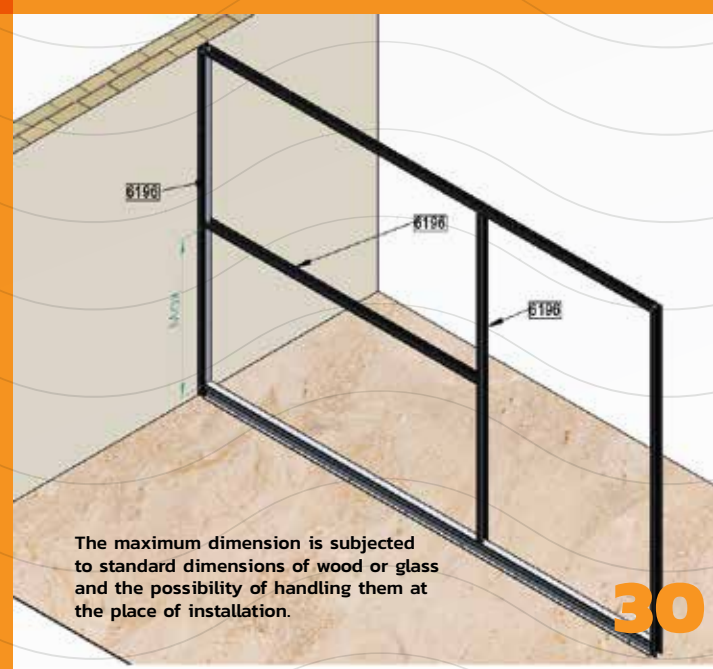
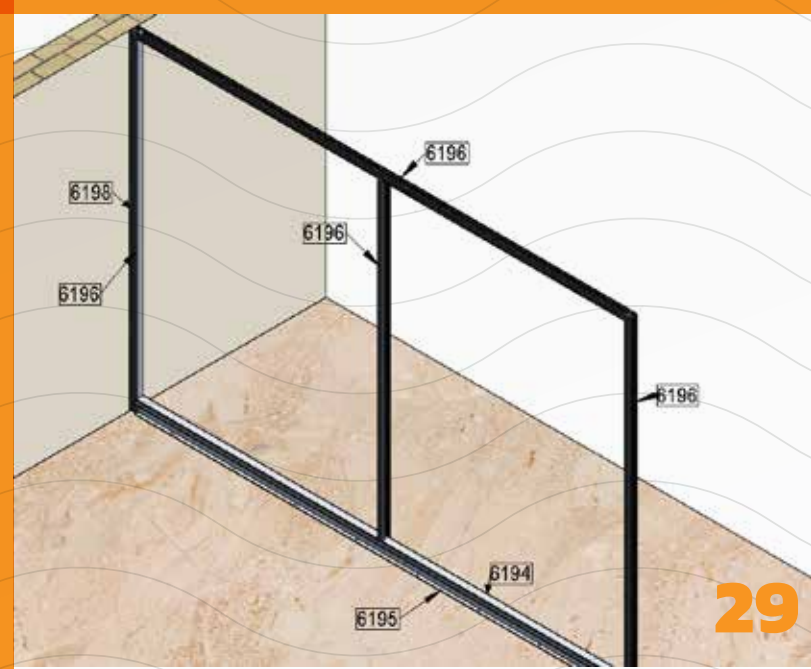
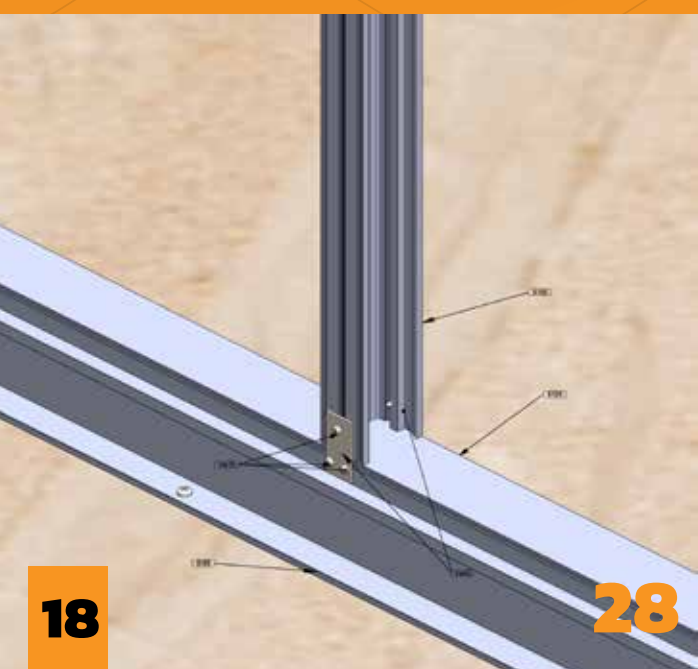
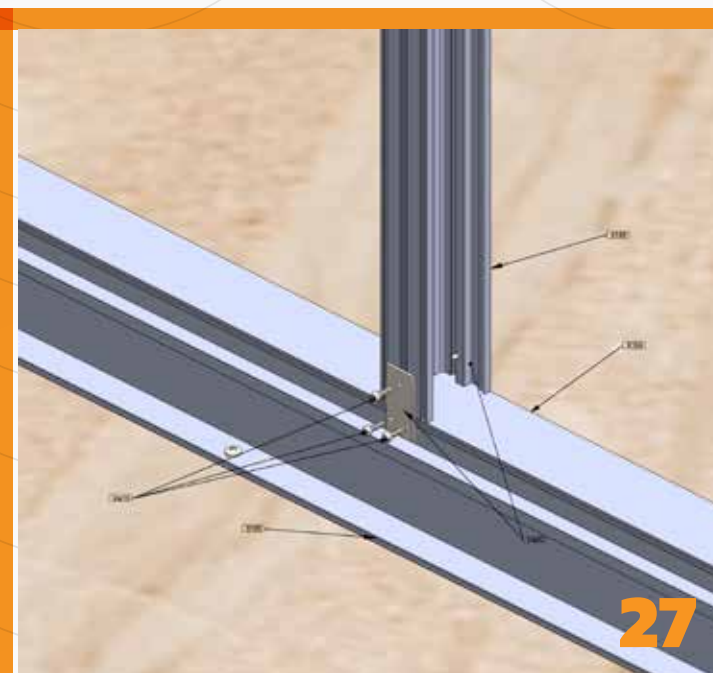


18

ASSEMBLY INSTRUCTIONS

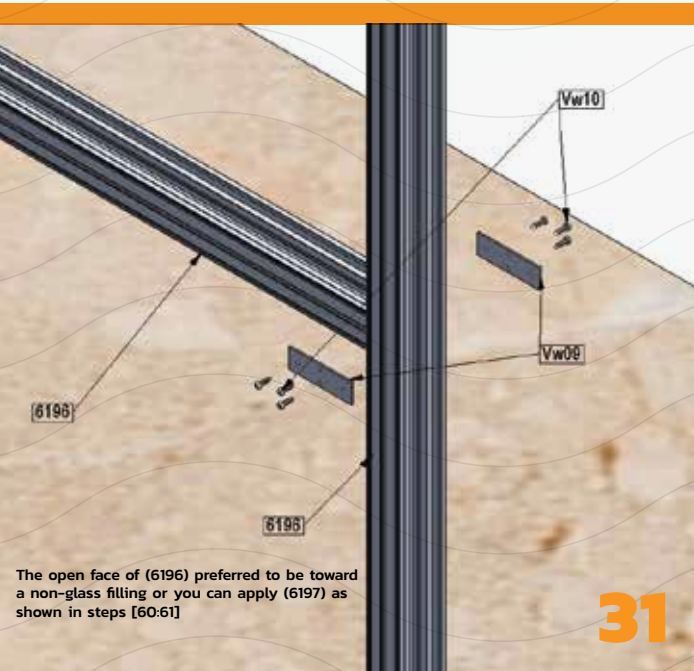


ASSEMBLY INSTRUCTIONS



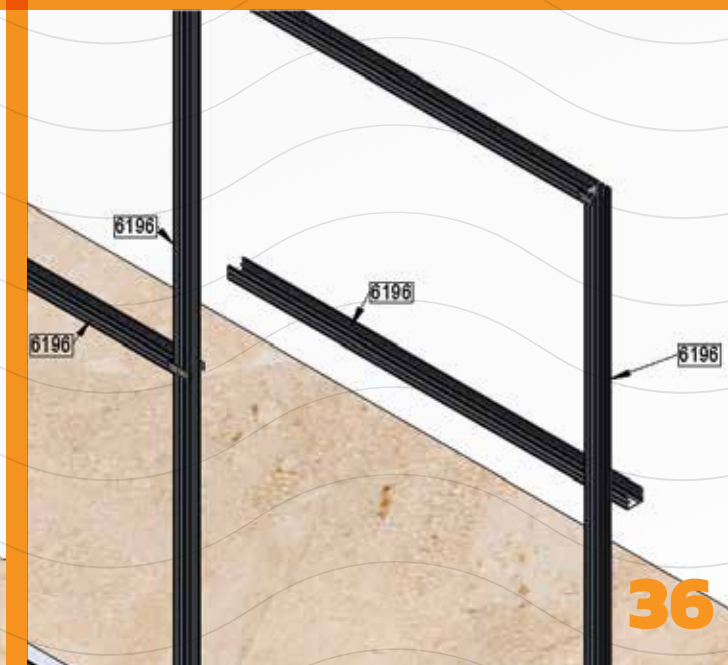
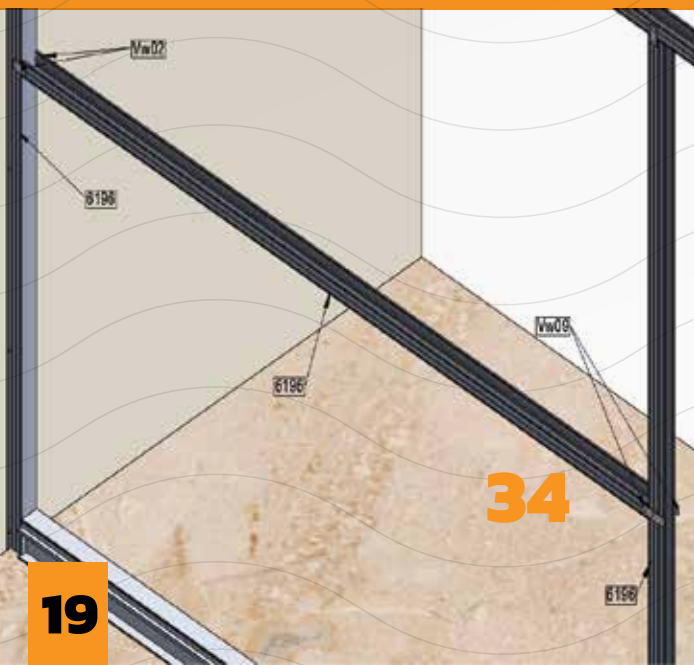
The maximum dimension is subjected to standard dimensions of wood or glass and the possibility of handling them at the place of installation.

ASSEMBLY INSTRUCTIONS

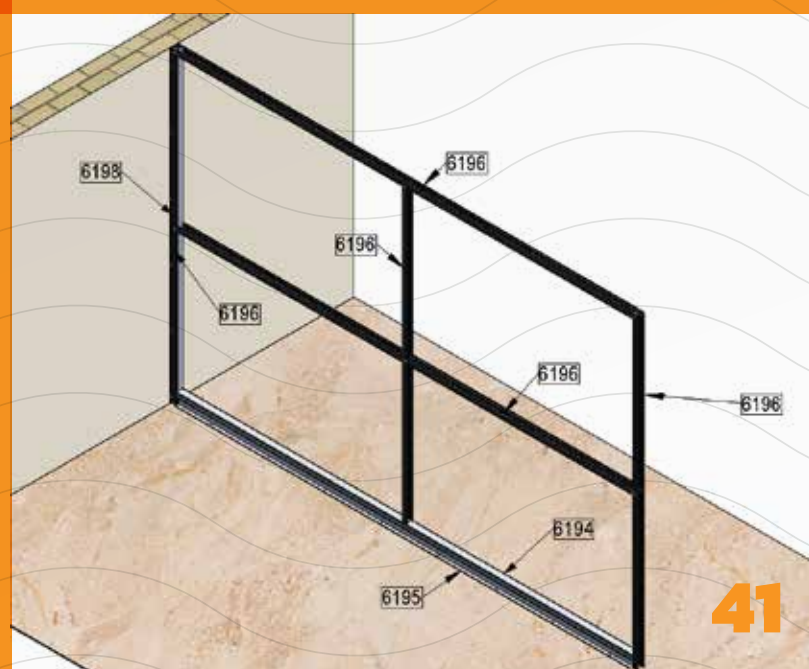
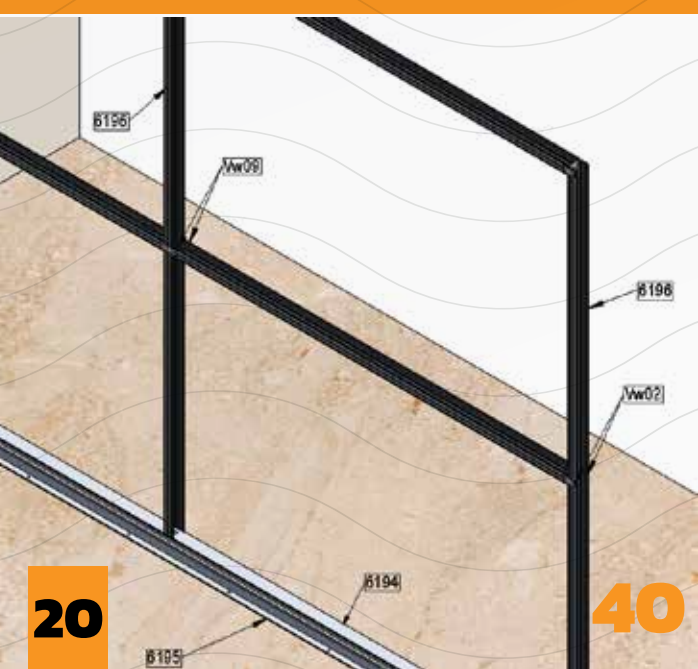
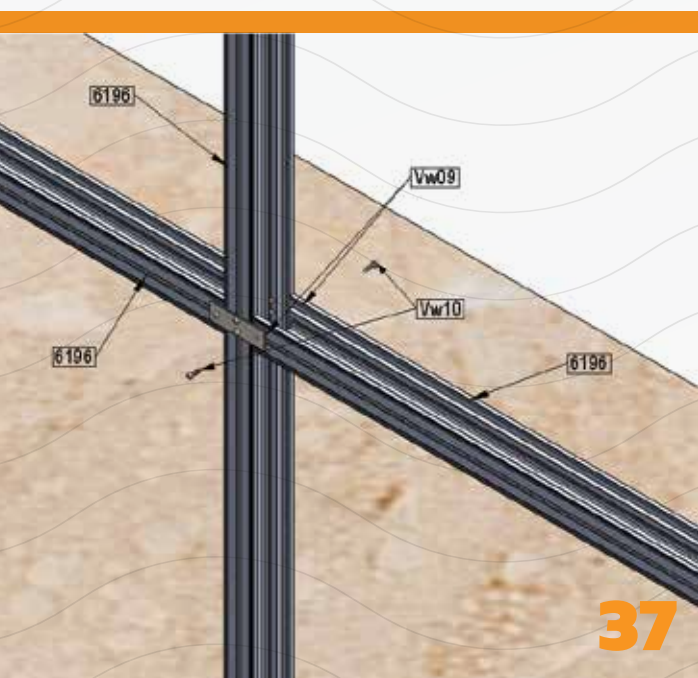


Repeat steps (31-32) on the other side of the horizontal (6196) using (Vw02) instead of (Vw09)

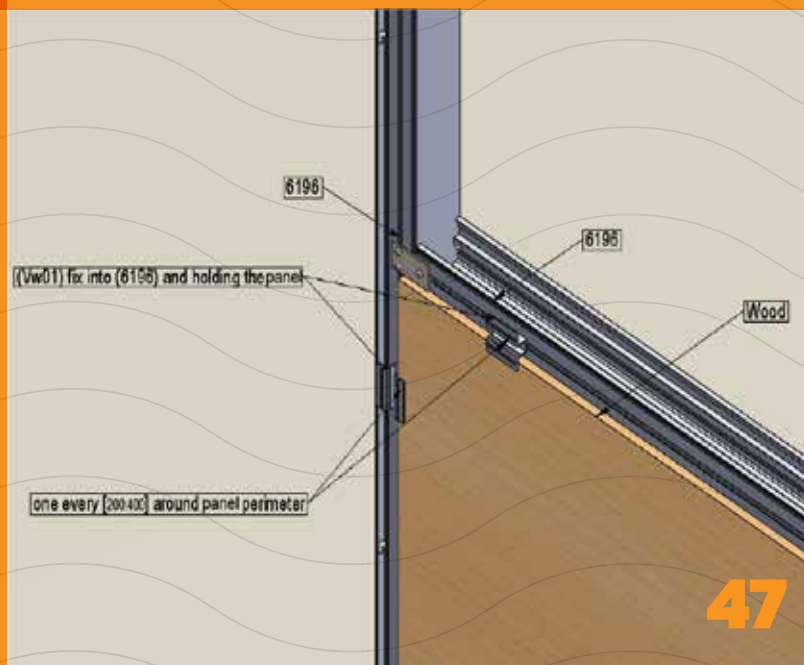
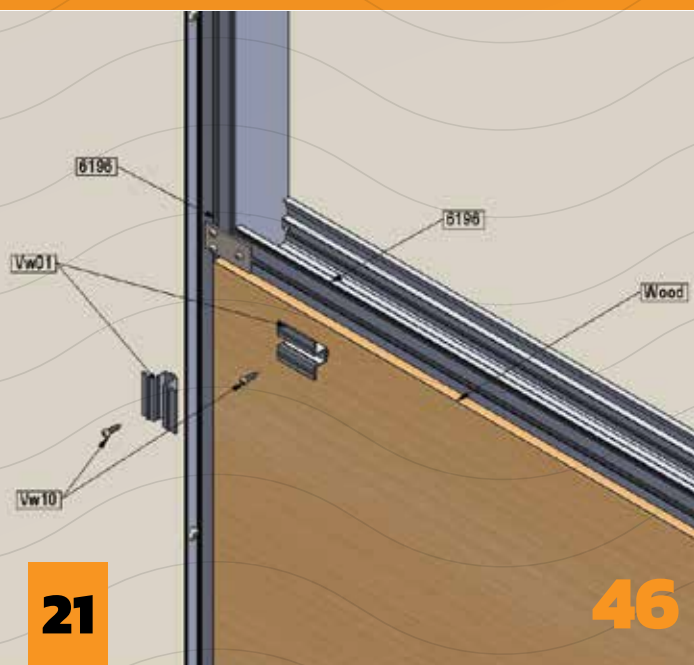
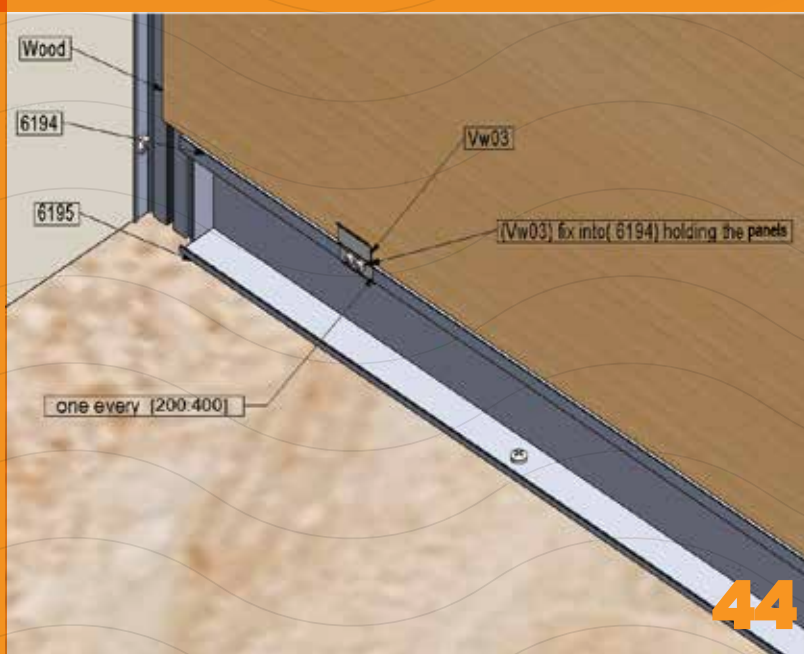
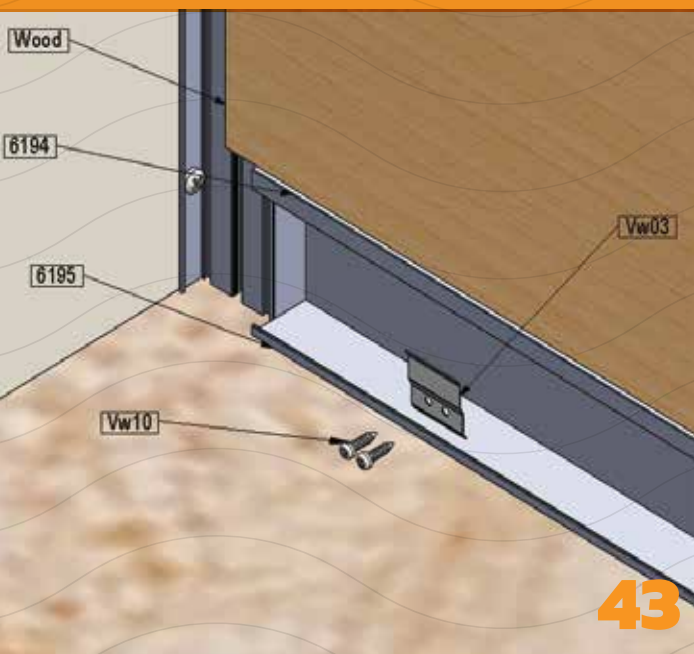
33



ASSEMBLY INSTRUCTIONS



ASSEMBLY INSTRUCTIONS

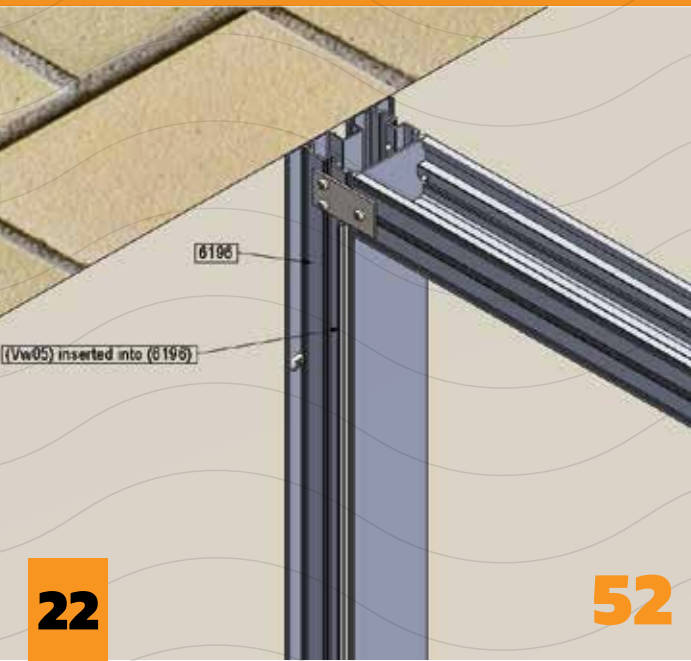
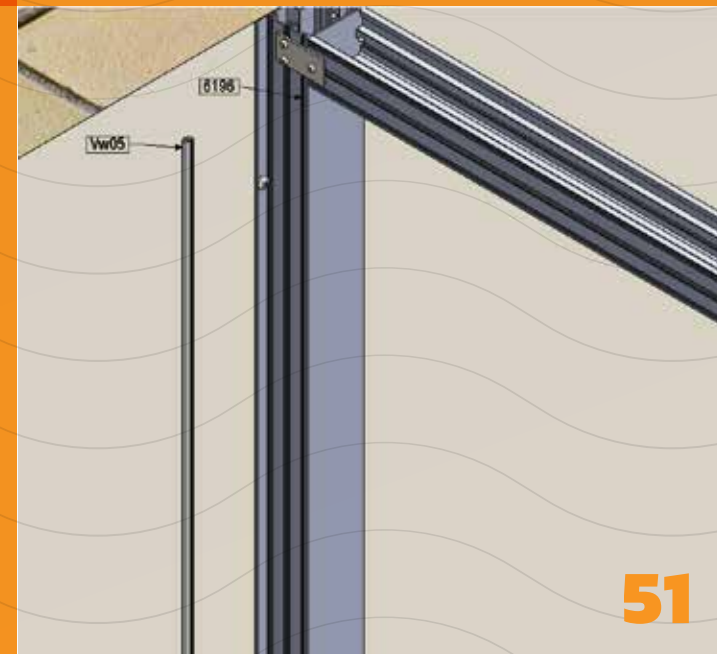


ASSEMBLY INSTRUCTIONS



Repeat steps [42:48] to
apply all (wood) and
(wood with fabric)
panels on both faces

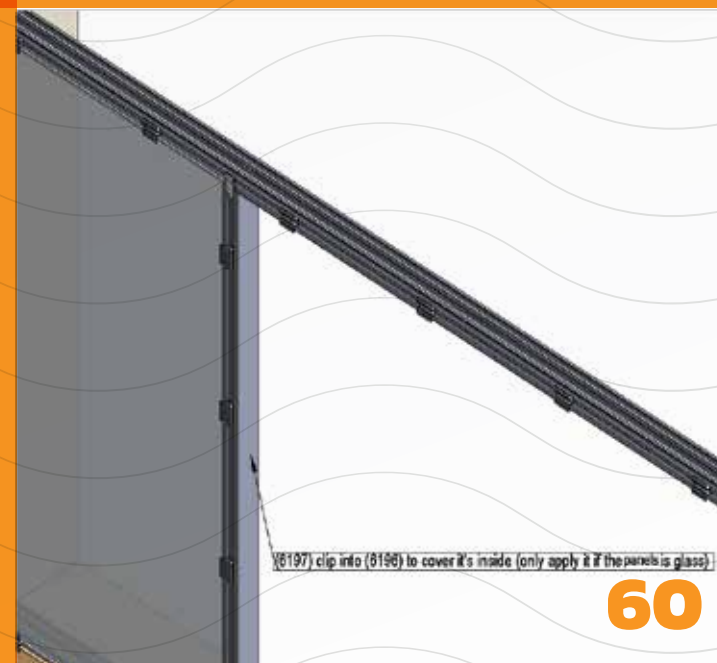
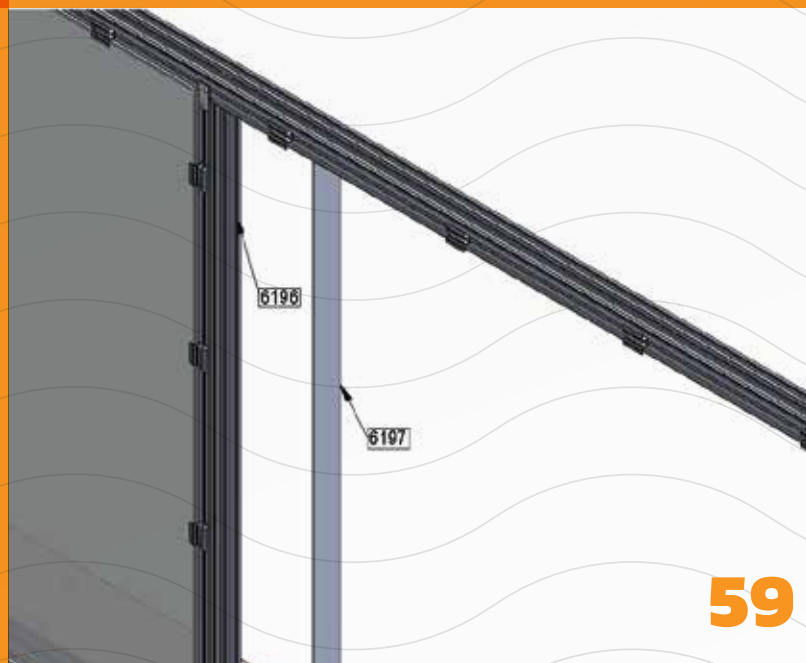
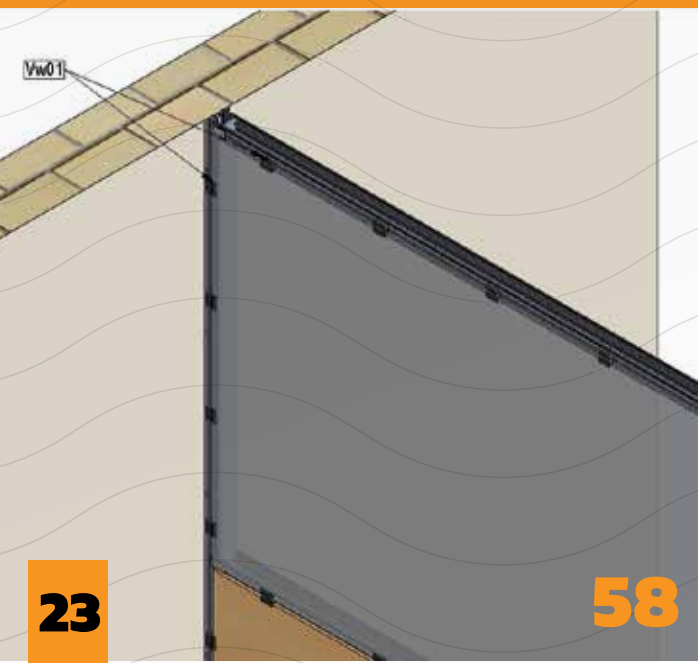
49



ASSEMBLY INSTRUCTIONS



Repeat steps [46:47]
to fix the panels



(6197) clip into (6196) to cover it's inside (only apply it if the panels is glass)

ASSEMBLY INSTRUCTIONS



Repeat steps [57:60]
to apply another glass
panel on both faces

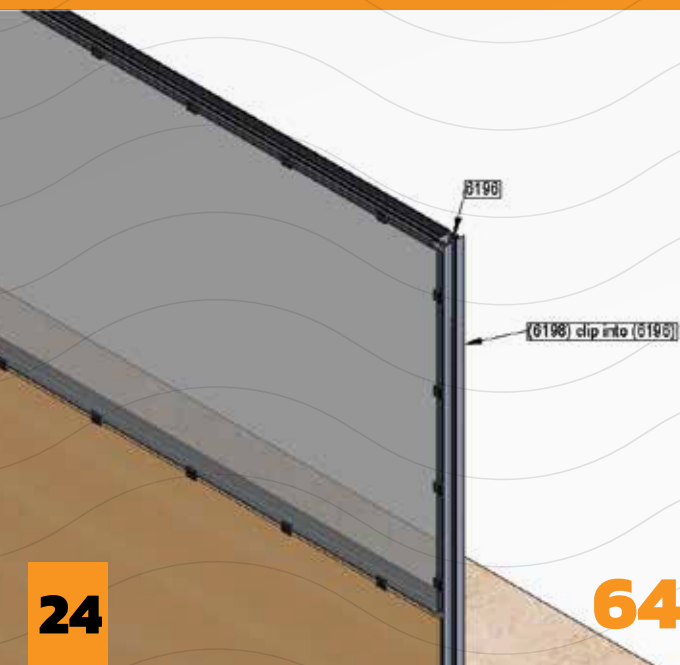
61



62



63



64



65



66

ASSEMBLY INSTRUCTIONS



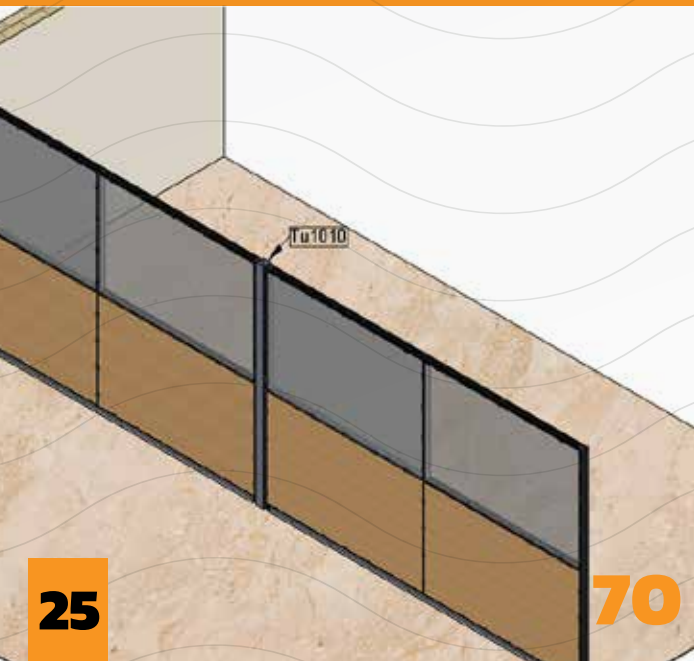
67

Repeat steps [1:64] to
assemble another partition
consider (Tu1010) as
the side wall

68



69



70

The same way assembly
a side partition on
the tube (Tu1010)

71



72

ASSEMBLY INSTRUCTIONS



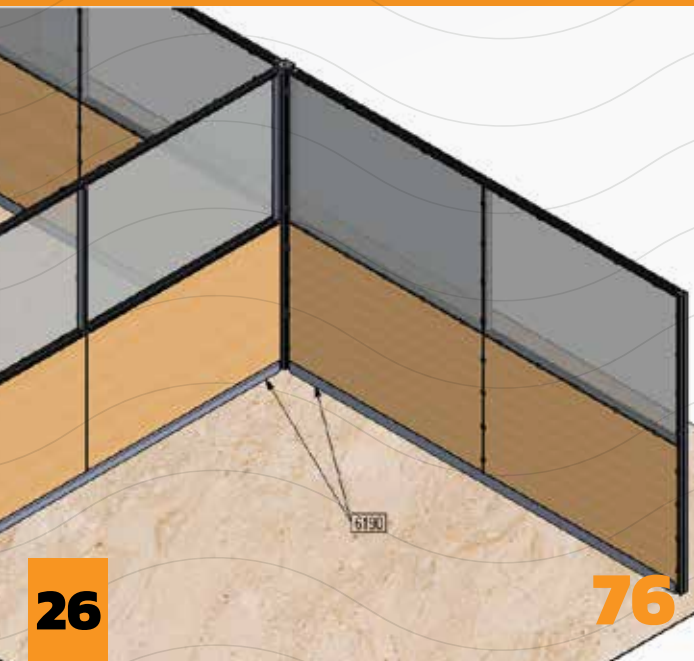
73



74

Repeat steps [73:74] to cover all bases of the partitions

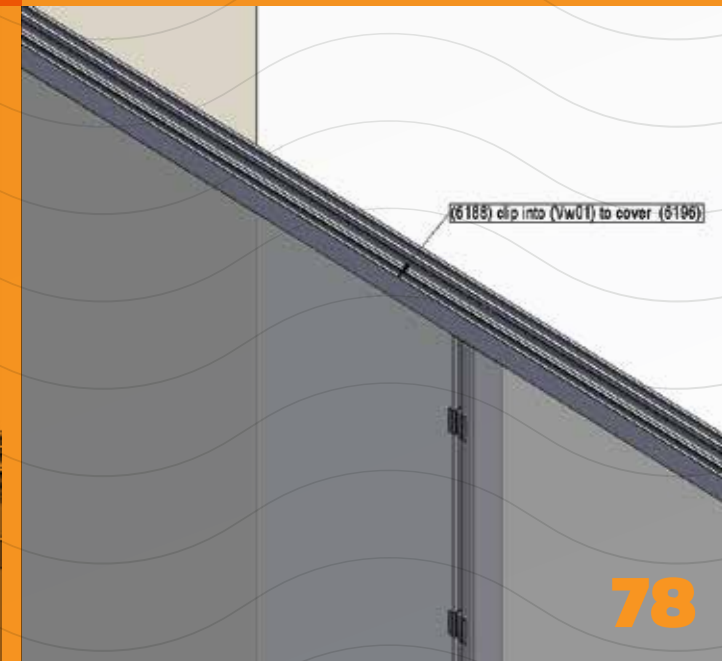
75



76



77



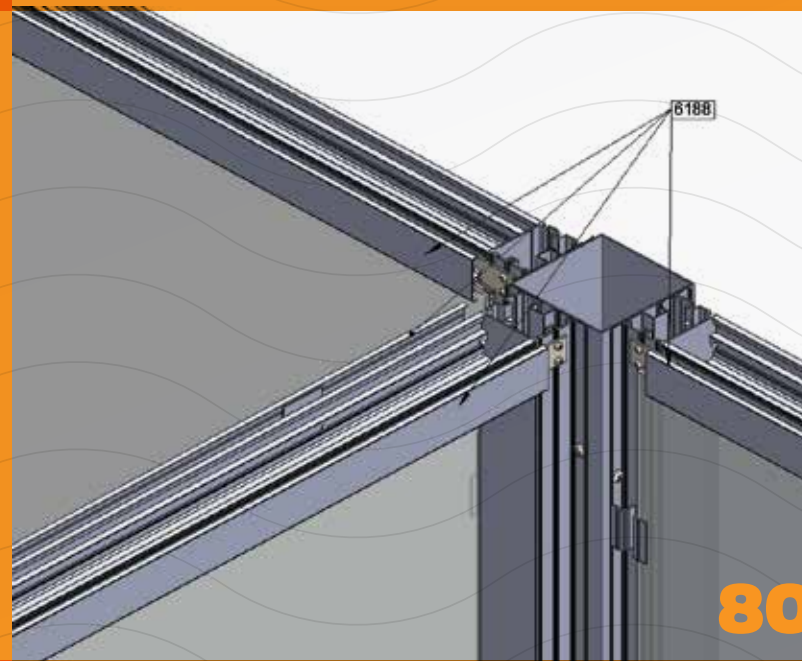
78

ASSEMBLY INSTRUCTIONS

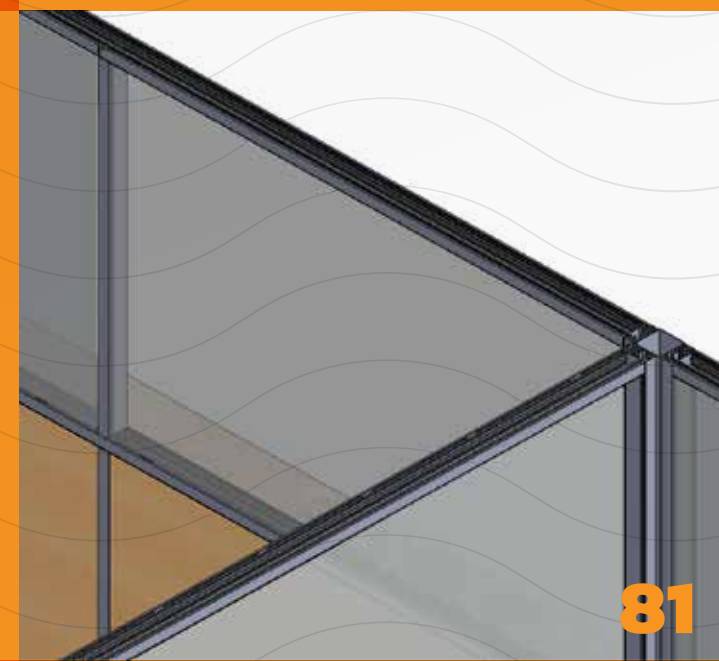


Repeat steps [77:78]
to cover all (6196)

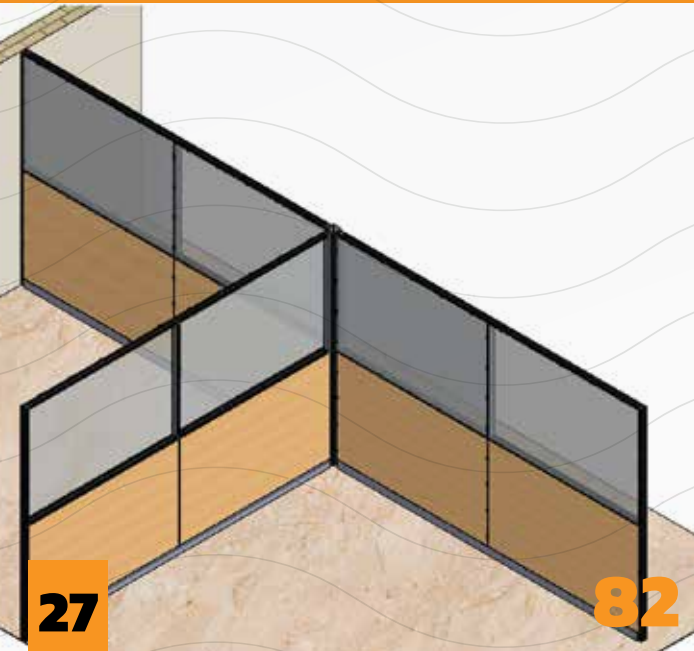
79



80

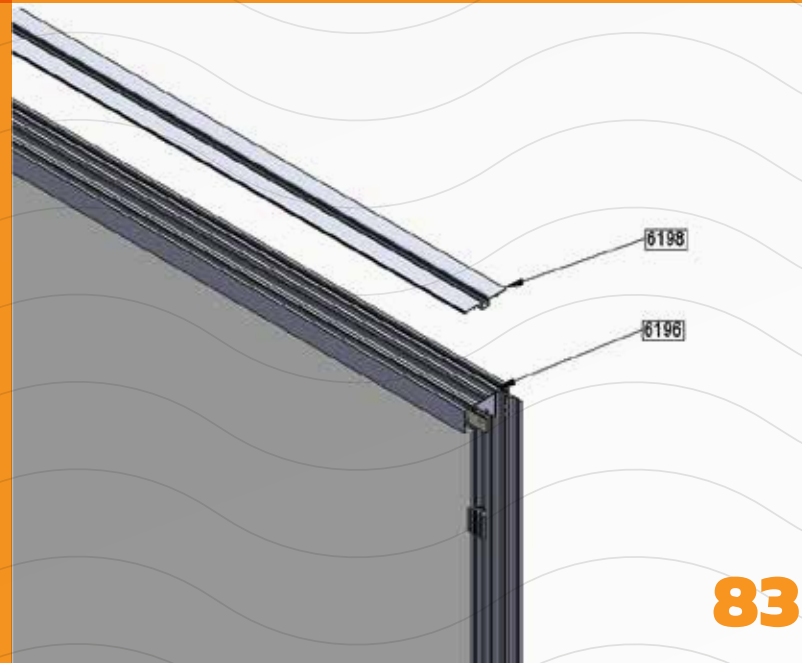


81

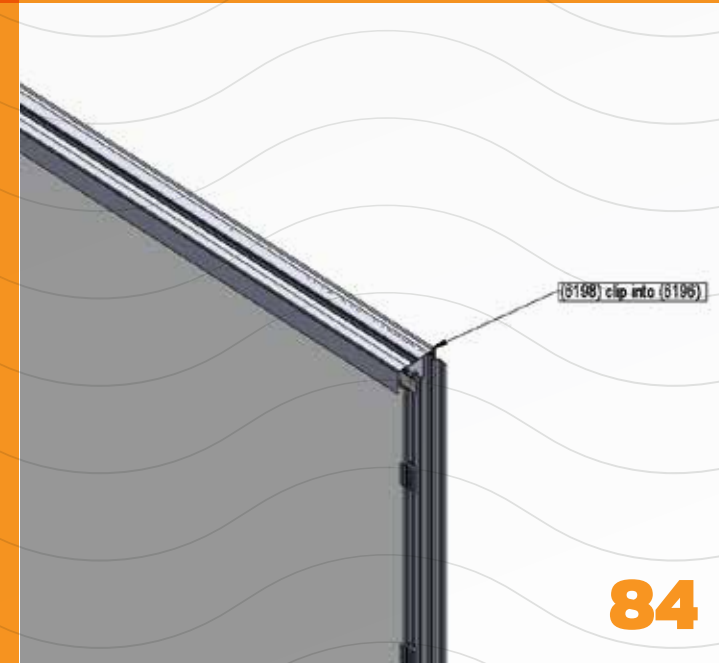


27

82

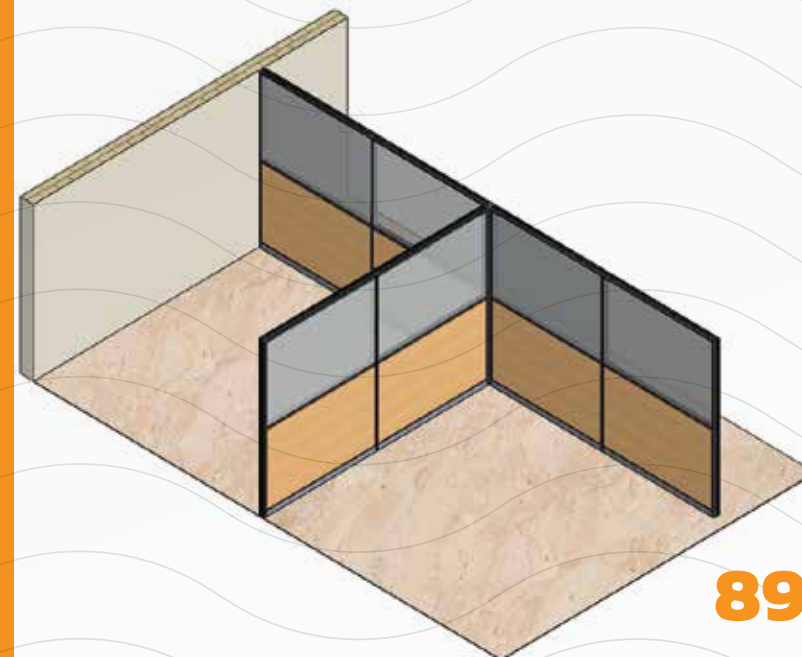
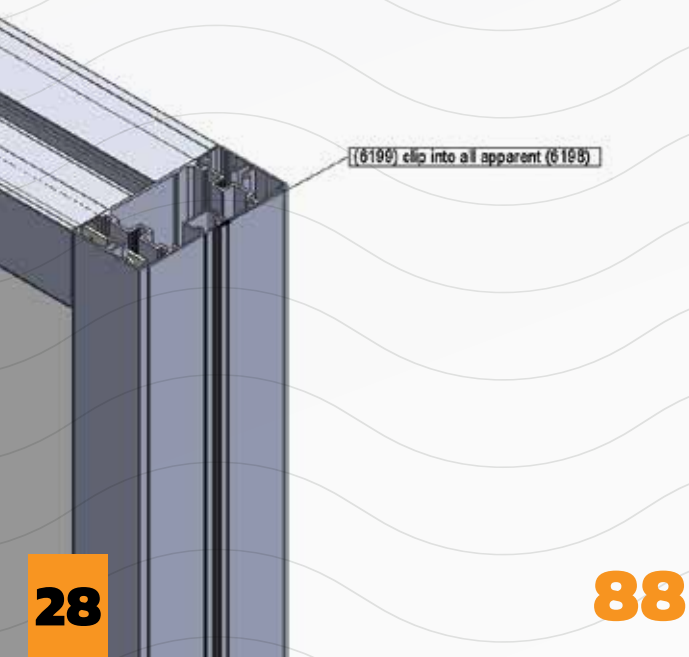
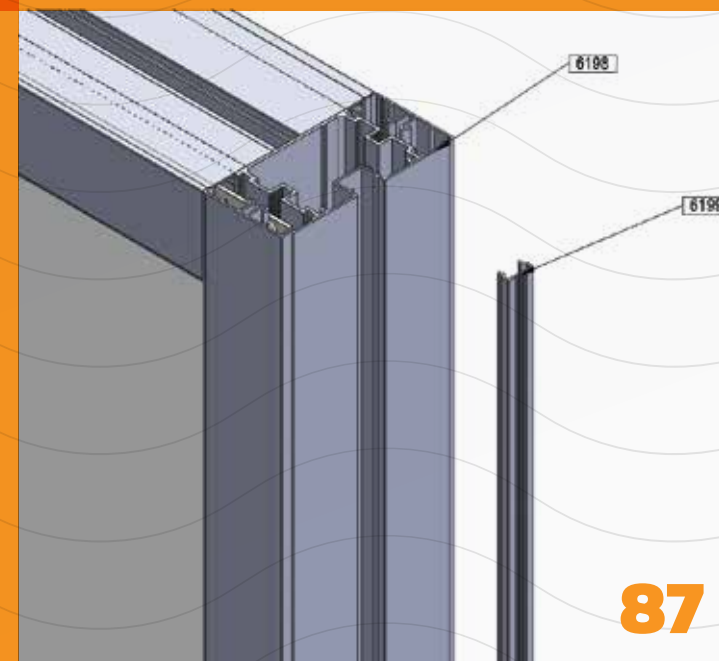
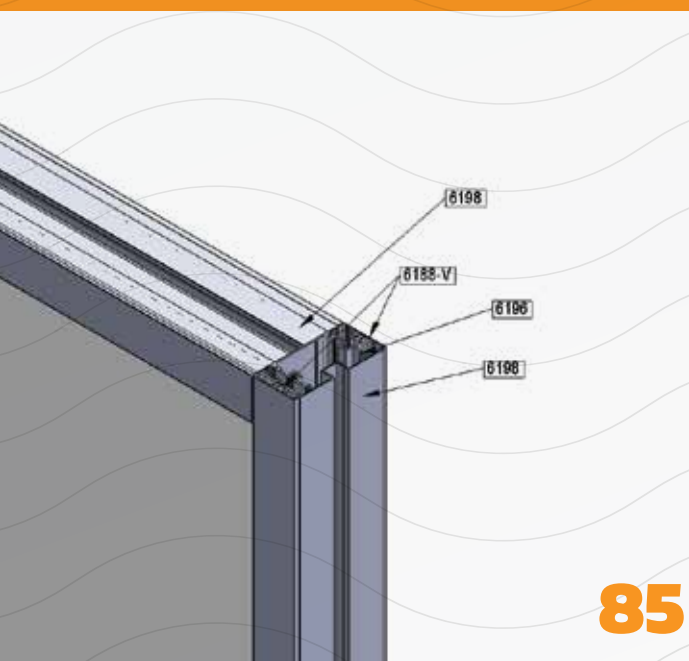


83



84

ASSEMBLY INSTRUCTIONS



TESTS AND QUALITY CERTIFICATIONS



SOUND TRANSMISSION TEST

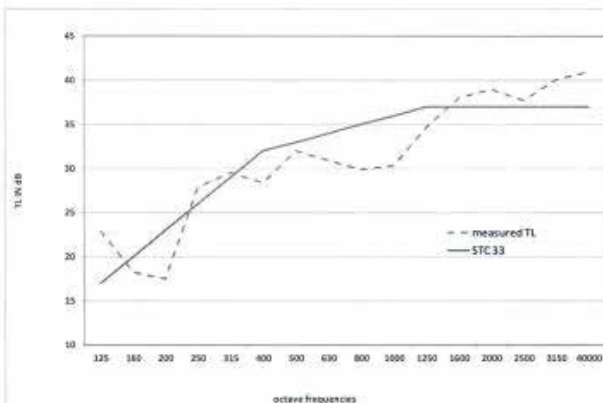


المركز القومي لبحوث الإسكان والبناء
معهد بحوث فيزيكا المنشآت والعوامل البيئية المحيطة



Measurements of Laboratory Sound Transmission Loss According to ASTM E90-10, ASTM E2235-10, ASTM E413

Supplier Name	CETARA (MADAR PLUS)		
Environmental cond.	t_{ave} (°C): 27±0.5	RH _{ave} (%): 60±1	Calibration
Sample description	Glass-wood panel		
Date of test	25/9/2018		
Area of the wall	2.20 m ²	Instrumentation	SLM 2270 (B&K) & BZ-7228 & mic. 4189 (B&K) & S.S. 4292 (B&K)
Receiving room volume	75 m ³		
Source room volume	65 m ³		
Freq.	TL		
125	22.9		
160	18.3		
200	17.5		
250	27.9		
315	29.5		
400	28.5		
500	32.0		
630	30.9		
800	29.9		
1000	30.3		
1250	34.7		
1600	38.1		
2000	38.9		
2500	37.7		
3150	40.1		
4000	41.0		
STC	33		



Tech. Eng.	Acoustic Tec. Manager
Eng. A. Y. El-Masry	Prof. Dr. H. S. Seddeq



Report No. BPEL-A-TLI-90/018

26/9/2018

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THERMAL PERFORMANCE EVALUATION OF (U VALUE)



HOUSING & BUILDING NATIONAL RESEARCH CENTER
BUILDING PHYSICS AND ENVIRONMENT INSTITUTE



4- RESULTS AND DISCUSSION.

Based on the results of the testing conducted on the composed wall partition the following comments were deemed appropriate.

The evaluation demonstrated that the tested sample delivered by MADAR + meets the applicable standard requirements with respect to ASTM C1363-11, for thermal performance test (U-value). The following table shows the U-value for each components of the wall partition and the calculated total U- value of the wall partition

Test results of the U-value for each components of the wall partition and the calculated total U- value of the wall partition

Wall Components	Area (m ²)	U-Value (W/m ² K)
1 Double Glass panel	0.487	3.2
2 Wood cover with cloth Panel	0.487	1.43
3 Wood Panel	0.487	1.72
4 Aluminum frame and transoms	0.414	2.4
Total composed wall partition	1.875	2.18

Remarks:

- This test was conducted at indoor air temperature 25 °C& R.H 50%.
- The test is according to ASTM standard No. C1363-11.
- The results are only valid for the sample delivered by MADAR +.
- The total U-value depends on the area ratio of the wall components.
- The U-value evaluation must be done on site.
- These results are only valid for one year.

Head of Tech. group

Hoda Shaker

Dr. Hoda Shaker

Reviewed by

Prof. Dr. N. M. Guirguis

Prof. Dr. N. M. Guirguis



Manager of Institute

Prof. Dr. M. A. Hassan

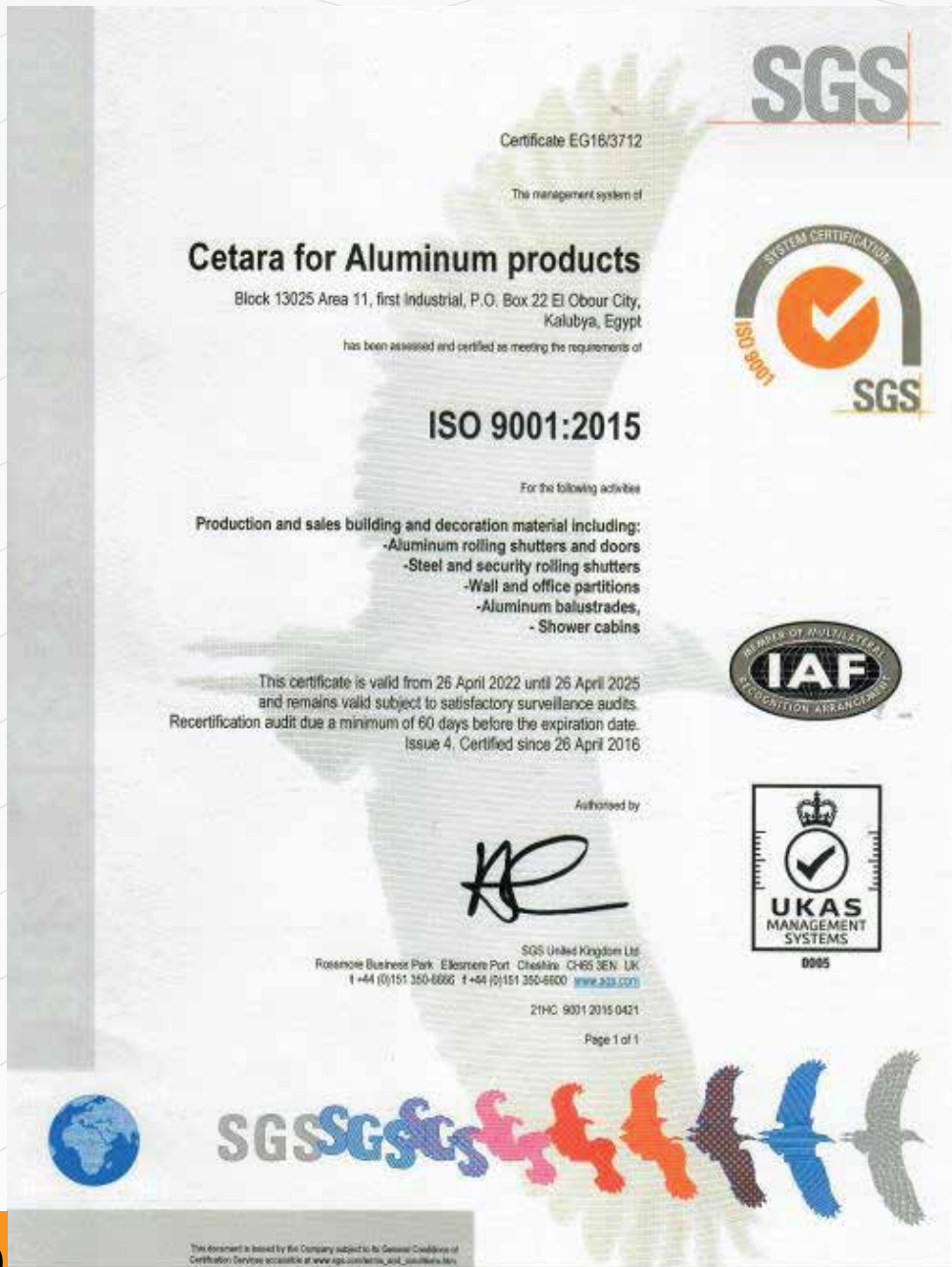
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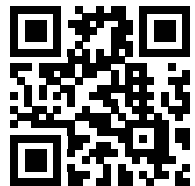
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TESTS AND QUALITY CERTIFICATIONS



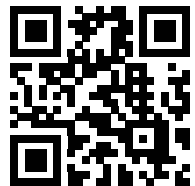
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Note :

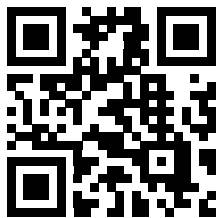


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