

YKK
AP



PT YKK AP INDONESIA

ENGLISH VERSION | NOV 2024

FRONTERRA

Aluminium X Wood
HYBRID ENTRANCE DOOR



Entrance Door that Combines
Design and Functionality for
Your New Life



FRONTERRA

FRONT – Front of House

TERRA – “Mother Earth”
in latin

*Wooden Entrance Door Born
from Mother Earth*

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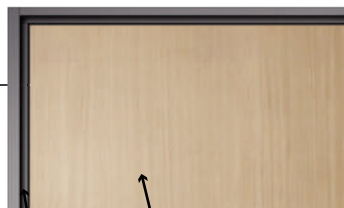
WHAT IS FRONTERRA

Aluminum x Wood Hybrid Door

Long life wooden door with weather resistance and aluminium maker identity

1 Aluminium X Wood

Hybrid Door High weather resistance



Aluminium + Wood = Hybrid Door
High weather resistance

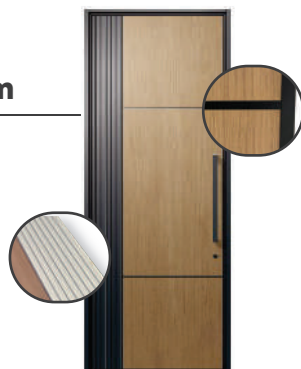
4 Roller Latch

Equipped a roller latch as standard to prevent unnecessary opening and closing of the door and stabilize it.



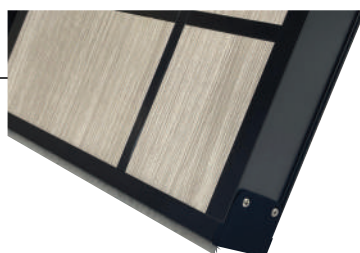
2 Decorative Aluminium

Aluminium decorations enhance design.



3 Edge Reinforcement

Aluminium frame at the edge for certain quality and durability.



5 Compatible With Smart Lock

Compatible with user-supplied smart locks. Verify if your smart lock is listed among our available options, and we will fabricate the door to accommodate it



PRODUCT FEATURES

Entrance door that combines design and functionality.

Design that Suits a Variety of House Styles

- A fusion of warmth of wood and the sharpness of aluminium
- Coordinate together with MADELA windows and GRANROOF carport canopy



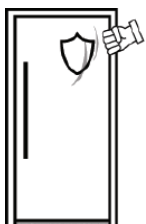
High Functionality to Support Comfortable Life

- Aluminium frame at bottom ensure airtightness and prevent light leakage, dust to come in
- Aluminium frame door that is resistant to termites



High Durability for Long Term Use

Impact resistance



Resistant to impact loads up to 30kg sand bag from 170mm drop height

Impact opening & closing



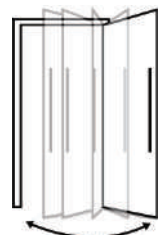
Resistant to impact from wind force equivalent up to 17.1 m/s

Vertical load open-close



Surpass the test equivalent to children weight hanging on the door while opening / closing.

Durability



Surpass the 100,000 cycles of open close test

4 DESIGN PANELS of FRONTERRA

Select suitable design for your housing style

BASIC



Simple design that harmonizes with various styles of house facades



AXIS



Simple design with a vertical line accent that harmonizes with minimalist house facades



DUAL



Add a unique design to your home
with two-tone colors

FLUTE



Sophisticated design with aluminum
panel accents



4 DESIGN PANELS of FRONTERRA

Select suitable design for your housing style

BASIC

Simple design taht harmonizes with various styles of house facades



AXIS

Simple design with a vertical line accent that harmonizes with minimalist house facades



DUAL

Add a unique design to your home with two-tone colors



FLUTE

Sophisticated design with aluminium panel accents



COLOR VARIATION

A : Wood Panel Color
B : Aluminium Inner Frame* & Decoration Color

*Attachment

Outer Frame Color (10 Standard Colors)

	Powder Coating re-paint OK	Anodize + resistant to rain and UV
White/Ivory	TW01	
	TW02	
Light Gray /Champagne		YS1N (Matte)
		YH1N (Matte)
Deep Gray	TB80	
Brown	TB20	YB1C (Glossy)
		YB1N (Matte)
Black	TK10	YK1N (Matte)

Wood Panel Color

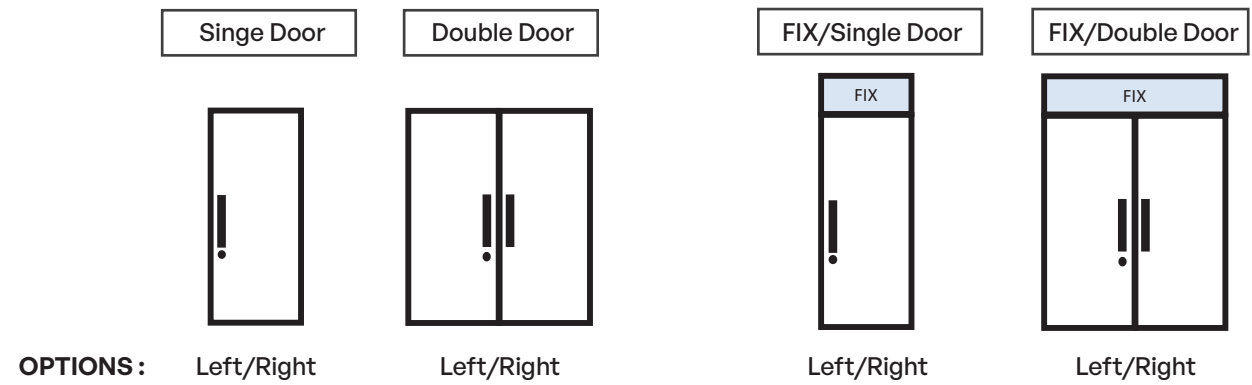
STANDARD COLOR	DUAL COLOR
WWG ML TG	Every standard color can be combine with WW WW* *For Dual design combination uses WW only.

Aluminium Inner Frame* & Decoration Color *Attachment

YK1N

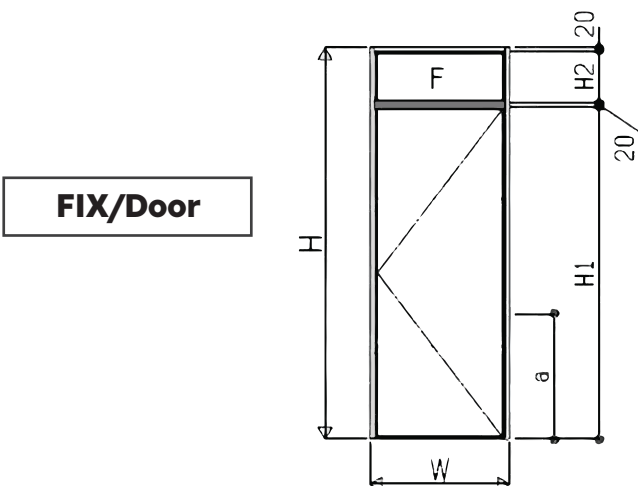
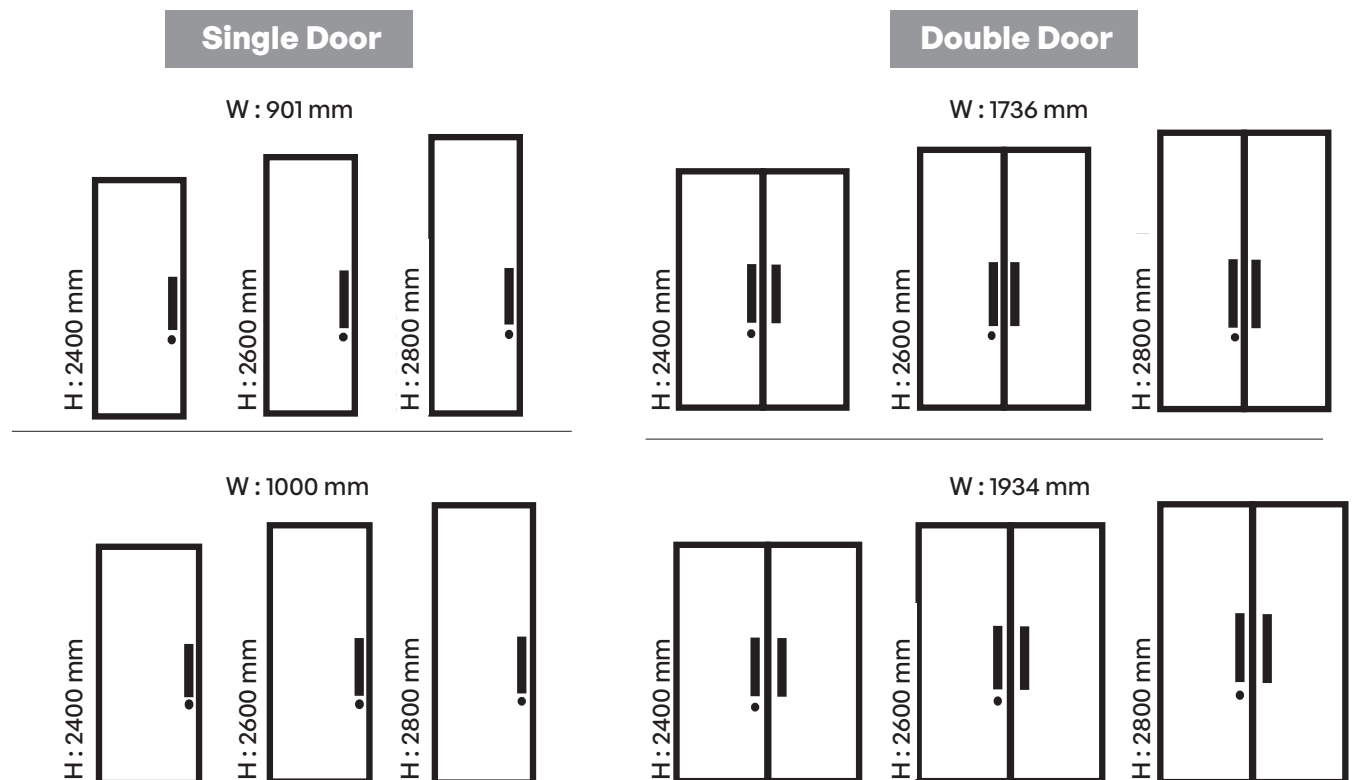
YS1N

FRAME VARIATION



Standard Size Setting

*Standard sizes are set considering of Feng Shui



Size Limitation

FIX		
SIZE		H2
H1	2380	260 < H2 < 580
	2580	260 < H2 < 380
	2780	NO SETTINGS

- Hmax = 3000
- SAME FOR DOUBLE DOOR

KEY & HANDLE



① Handle (Optional)
② Lockset

High Quality Lockset as Standard



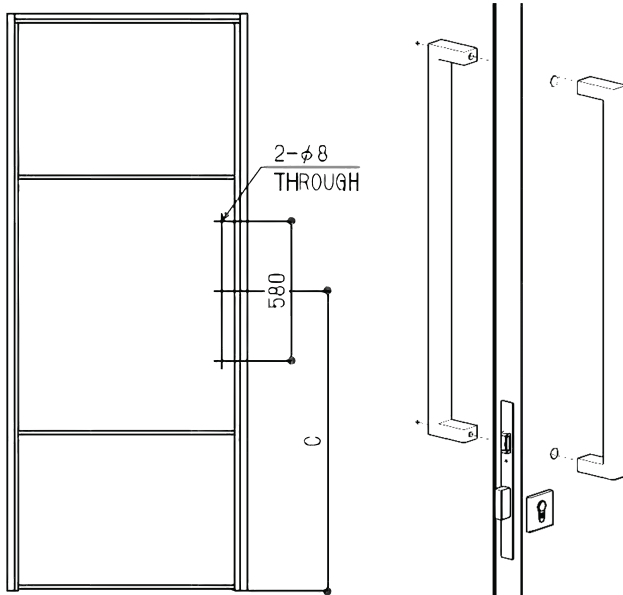
Handle (Standard Optinal)



Price :

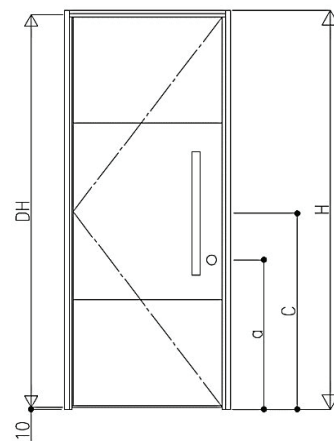
- Single Door : Rp.956,400
- Double Door : Rp.1,912,800

Handle Position for Standard Optional Handle

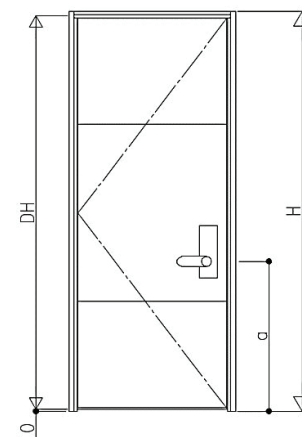


Handle Position

• Standard



• Smart Lock



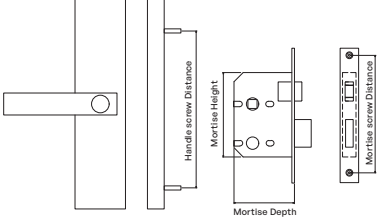
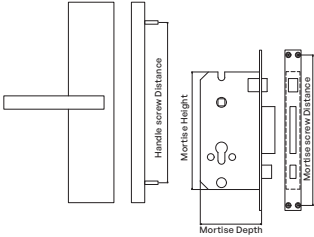
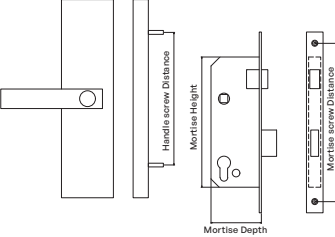
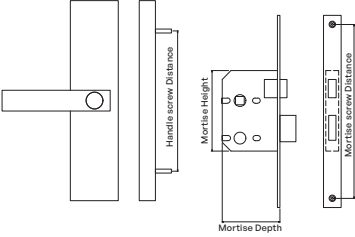
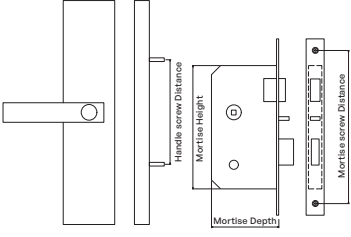
• Option Lockset Position from Finish Floor :

H	DH	a	C	
Height	Door Height	Latch Position	Option 1	Option 2
2400 mm	2365 mm	900 mm	$1250 \leq C \leq 1400$	$1000 \leq C \leq 1400$
2600 mm	2565 mm	900 mm	$1250 \leq C \leq 1600$	$1000 \leq C \leq 1400$
2800 mm	2765 mm	1000 mm	$1350 \leq C \leq 1800$	$1000 \leq C \leq 1400$

COMPATIBLE WITH SMART LOCK

Smart Lock - Option Specification

* If you need to confirm whether the smart lock will fit,
Please contact our sales staff, to get detailed processing drawing.

No	Type & Size	Brand - Type Example	
01		DEKKSON – ELC 9318 W17 BARDI – Standard SOLID 900	
		Handle screw Distance	Mortise screw Distance
	180 - 190	72	140
02		DEKKSON – ELP 9519 DEKKSON – ELP 9419 DEKKSON – EL D-31 DEKKSON – EL 9113 MF DEKKSON – ELC 9318 W37 PALOMA – 6000 PALOMA – DLP 2101 PALOMA – DLP 2131/6/8 ONASSIS – X6 ONASSIS – X5 ONASSIS – P10 ONASSIS – Kobe ONASSIS – K6 ONASSIS – T61 ONASSIS – T62	
		Handle screw Distance	Mortise screw Distance
	240	90-92	225
03		DEKKSON – D21 PALOMA – DLP 3121 PALOMA – DLP 3122	
		Handle screw Distance	Mortise screw Distance
	170-180	67	210
04		ONASSIS – T1	
		Handle screw Distance	Mortise screw Distance
	175	72	217
05		YALE – YDM 7116A YALE – YDM 3109 YALE – YDM 4109	
		Handle screw Distance	Mortise screw Distance
	140-150	90	205

***The price for the FRONTERRA with smart lock is the same as the standard price.**

Compatible with user-supplied smart locks. Verify if your smart locks is listed among our available options above.

***Smartlock position will be the same with standard lockset position.**

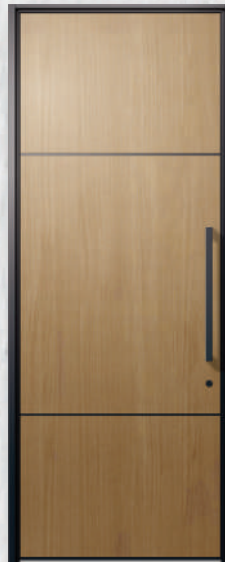
BASIC



WWG x YK1N



Color Variation



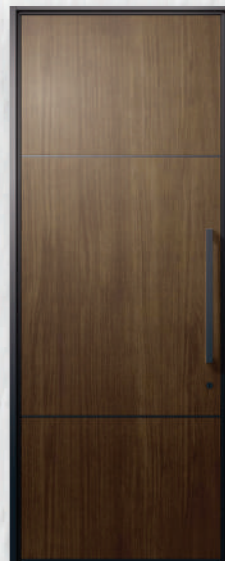
ML x YK1N



ML x YS1N



WWG x YS1N



TG x YK1N



TG x YS1N

PRICE LIST

DOOR

1

SINGLE DOOR

Juta Rupiah

W (mm) \ H (mm)	901	1,000
2,400	6.20	6.23
2,600	6.28	6.30
2,800	6.35	6.38

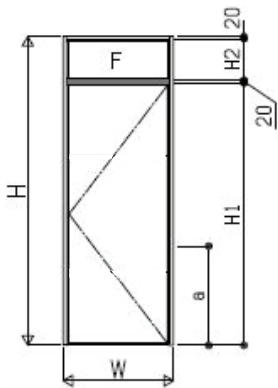
DOUBLE DOOR

Juta Rupiah

W (mm) \ H (mm)	1,736	1,934
2,400	11.51	11.56
2,600	11.60	11.65
2,800	11.71	11.76

FIX/DOOR

Price : **1** + **2** + **3**



FIX	
SIZE	H2
H1	2380
	2580
	2780

- Hmax = 3000
- SAME FOR DOUBLE DOOR

MADELA FIX Price List

Juta Rupiah

2

W (mm) \ H (mm)	901/ 1,000	1,736	1,934
300	0.39	0.58	0.62
301 ~ 400	0.42	0.60	0.65
401 ~ 500	0.44	0.63	0.67
501 ~ 600	0.47	0.65	0.70

Transom (FIX/Single Door)

Juta Rupiah

3

W (mm) \ H (mm)	901	1,000
	-0.2	-0.2

Transom (FIX/Double Door)

Juta Rupiah

3

W (mm) \ H (mm)	1,736	1,934
	-0.3	-0.3

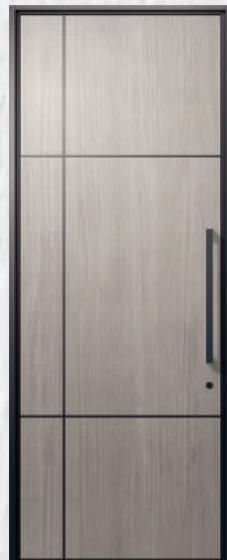
AXIS



TG x YS1N



Color Variation



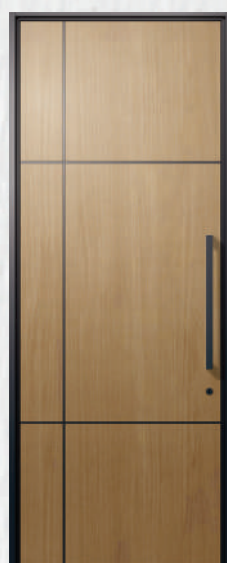
WWG x YK1N



WWG x YS1N



TG x YK1N



ML x YK1N



ML x YS1N

PRICE LIST

DOOR

1

SINGLE DOOR

Juta Rupiah

W (mm) \ H (mm)	901	1,000
2,400	6.52	6.55
2,600	6.60	6.62
2,800	6.67	6.69

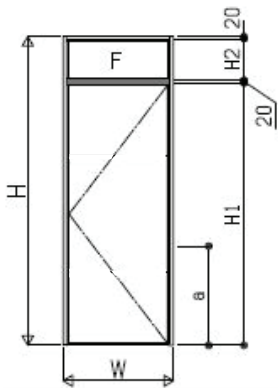
DOUBLE DOOR

Juta Rupiah

W (mm) \ H (mm)	1,736	1,934
2,400	12.09	12.14
2,600	12.19	12.24
2,800	12.30	12.35

FIX/DOOR

Price : **1** + **2** + **3**



FIX	
SIZE	H2
H1	2380
	2580
	2780
	NO SETTINGS

- Hmax = 3000
- SAME FOR DOUBLE DOOR

MADELA FIX Price List

Juta Rupiah

2

W (mm) \ H (mm)	901/ 1,000	1,736	1,934
300	0.39	0.58	0.62
301 ~ 400	0.42	0.60	0.65
401 ~ 500	0.44	0.63	0.67
501 ~ 600	0.47	0.65	0.70

Transom (FIX/Single Door)

Juta Rupiah

3

W (mm) \ H (mm)	901	1,000
	-0.2	-0.2

Transom (FIX/Double Door)

Juta Rupiah

3

W (mm) \ H (mm)	1,736	1,934
	-0.3	-0.3

DUAL



ML x YS1N



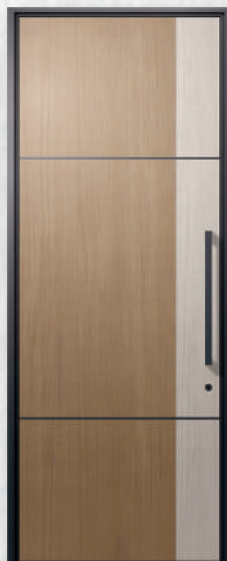
Color Variation



WWG x YK1N



WWG x YS1N



ML x YK1N



TG x YK1N



TG x YS1N

PRICE LIST

DOOR

1

SINGLE DOOR

Juta Rupiah

W (mm) \ H (mm)	901	1,000
2,400	6.52	6.55
2,600	6.60	6.62
2,800	6.67	6.69

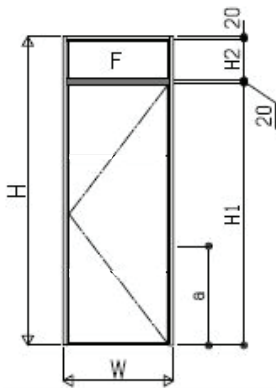
DOUBLE DOOR

Juta Rupiah

W (mm) \ H (mm)	1,736	1,934
2,400	12.09	12.14
2,600	12.19	12.24
2,800	12.30	12.35

FIX/DOOR

Price : **1** + **2** + **3**



FIX	
SIZE	H2
H1	2380
	2580
	2780

- Hmax = 3000
- SAME FOR DOUBLE DOOR

MADELA FIX Price List

Juta Rupiah

2

W (mm) \ H (mm)	901/ 1,000	1,736	1,934
300	0.39	0.58	0.62
301 ~ 400	0.42	0.60	0.65
401 ~ 500	0.44	0.63	0.67
501 ~ 600	0.47	0.65	0.70

Transom (FIX/Single Door)

Juta Rupiah

3

W (mm) \ H (mm)	901	1,000
	-0.2	-0.2

Transom (FIX/Double Door)

Juta Rupiah

3

W (mm) \ H (mm)	1,736	1,934
	-0.3	-0.3

FLUTE



ML x YK1N



Color Variation



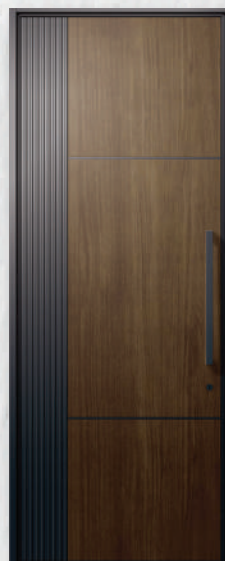
WWG x YK1N



WWG x YS1N



ML x YS1N



TG x YK1N



TG x YS1N

PRICE LIST

DOOR

1

SINGLE DOOR

Juta Rupiah

W (mm) \ H (mm)	901	1,000
2,400	6.84	6.87
2,600	6.91	6.94
2,800	6.99	7.01

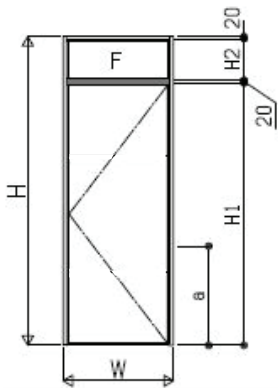
DOUBLE DOOR

Juta Rupiah

W (mm) \ H (mm)	1,736	1,934
2,400	12.68	12.73
2,600	12.78	12.83
2,800	12.89	12.94

FIX/DOOR

Price : **1** + **2** + **3**



FIX	
SIZE	H2
H1	2380
	2580
	2780
	NO SETTINGS

- Hmax = 3000
- SAME FOR DOUBLE DOOR

MADELA FIX Price List

Juta Rupiah

2

W (mm) \ H (mm)	901/ 1,000	1,736	1,934
300	0.39	0.58	0.62
301 ~ 400	0.42	0.60	0.65
401 ~ 500	0.44	0.63	0.67
501 ~ 600	0.47	0.65	0.70

Transom (FIX/Single Door)

Juta Rupiah

3

W (mm) \ H (mm)	901	1,000
	-0.2	-0.2

Transom (FIX/Double Door)

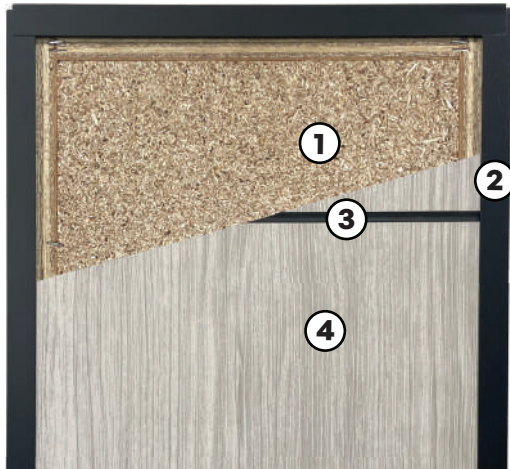
Juta Rupiah

3

W (mm) \ H (mm)	1,736	1,934
	-0.3	-0.3

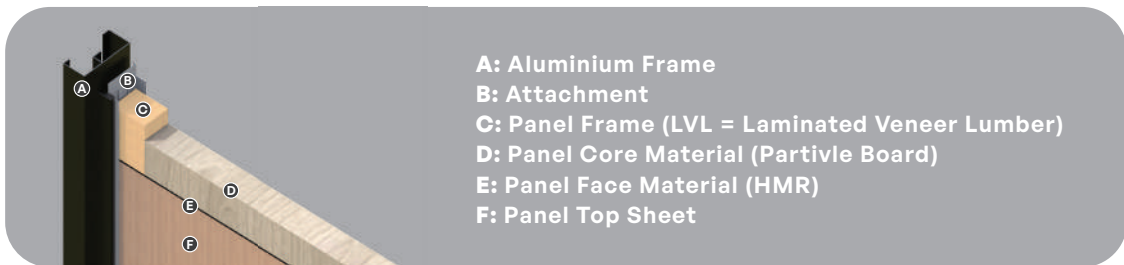
PRODUCT STRUCTURE

Panel Specification



- ① Core material :
Particle Board
- ② Frame :
LVL (Laminated Venner Lumber)
- ③ Surface Material :
HMR (Water-resistant wood folber board)
- ④ Top Sheet :
Standard sheet
(PVC Sheet for indoor)

✓ Water Resistant test passed



Panel Specification



The cap covers entire edge of the fin to prevent cuts for safety.



View From Above



Original Product Label



DURABLE AND LONG-LASTING BOTTOM

Compared to regular wooden doors

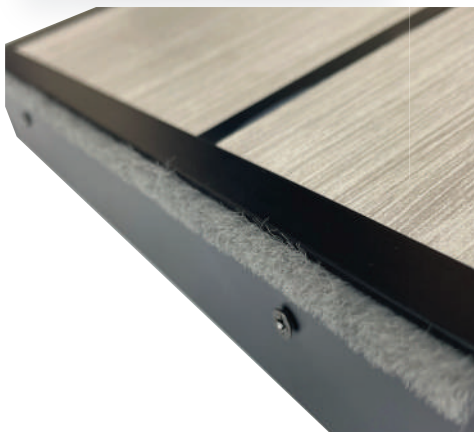
General Wooden Door



In general, wooden doors gets easily spoiled and damaged by water and insects etc.



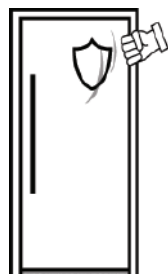
FRONTERRA



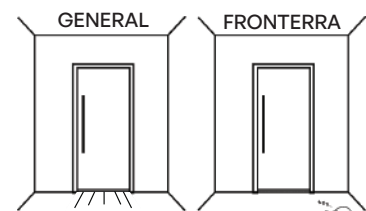
FRONTERRA has aluminium edge which protects the life of wood panel.

Aluminium Edge with Mohair Supports Your Better Life

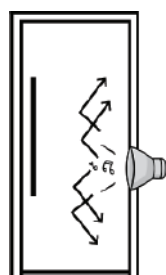
Impact
Resistant



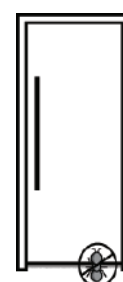
Prevent Light
Leakage



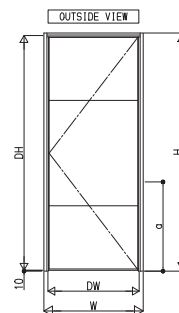
Prevent Sound
Leakage



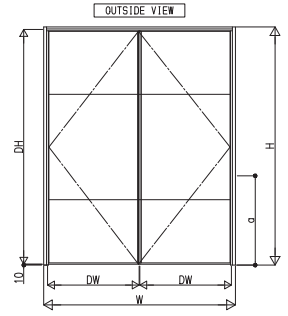
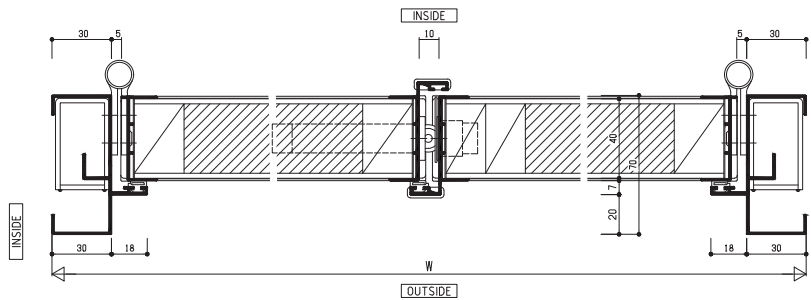
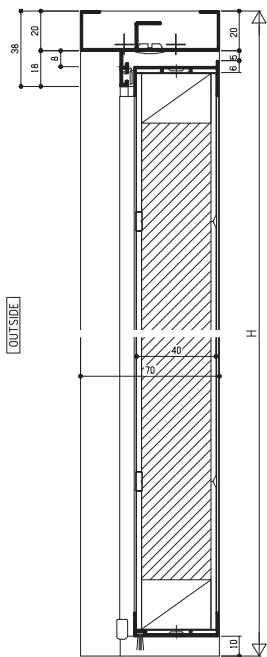
Prevent Insect
Invasion



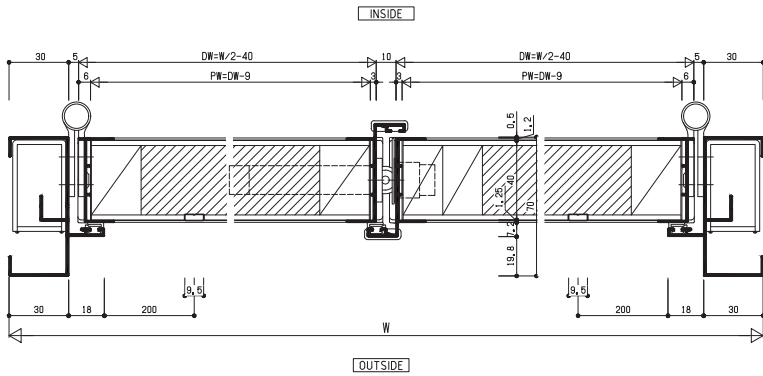
Technical drawing of the front view of a door. The drawing shows a door with a hatched pattern and a central handle. Dimensions are indicated: 38, 18, 20, 8, 6, 20, 10, 40, 70, and H. A label 'OUTSIDE' is present on the left side.



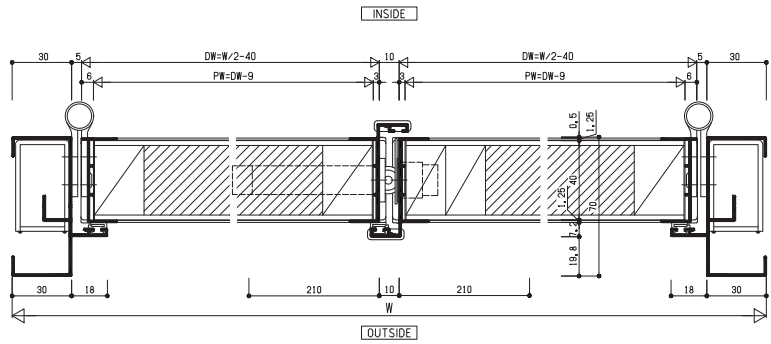
DOUBLE DOOR
SYSTEM DRAWING



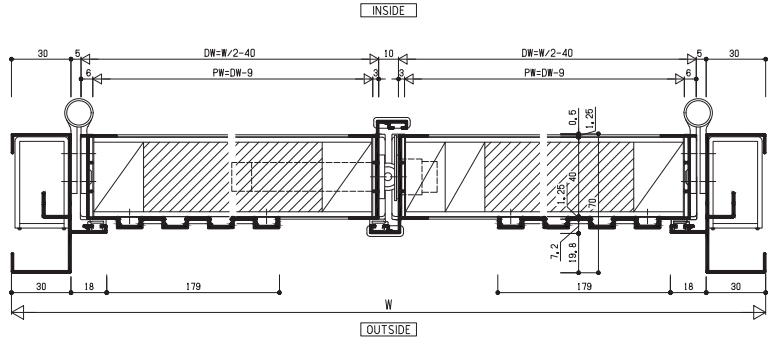
BASIC



AXIS



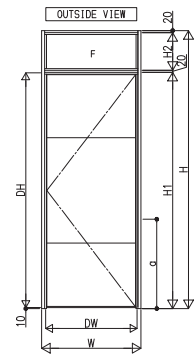
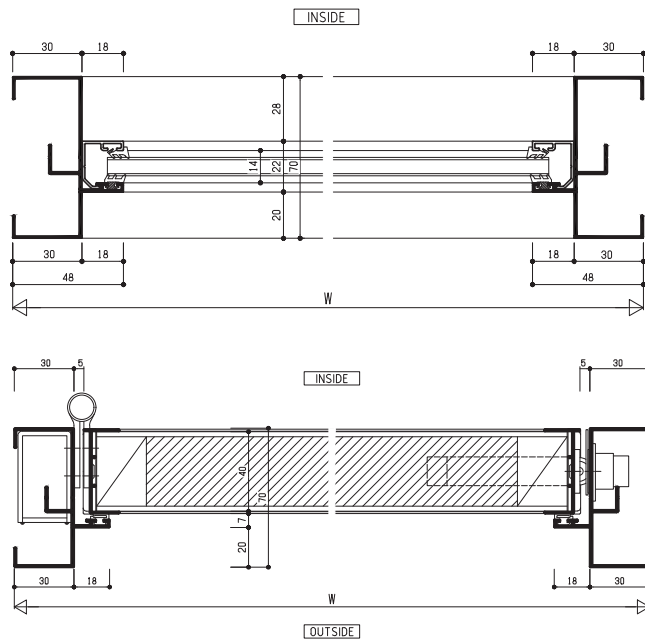
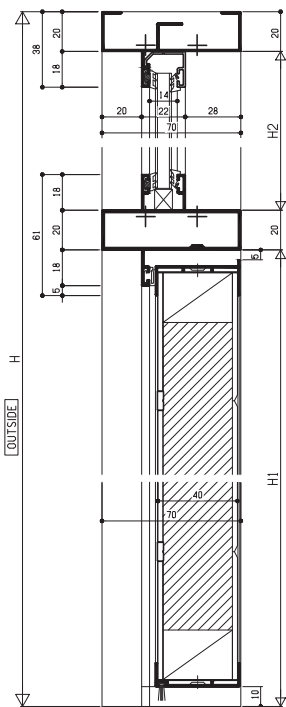
DUAL



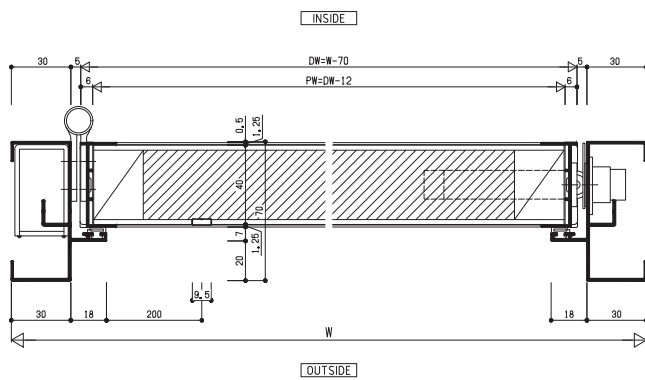
FLUTE

FIX/SINGLE DOOR

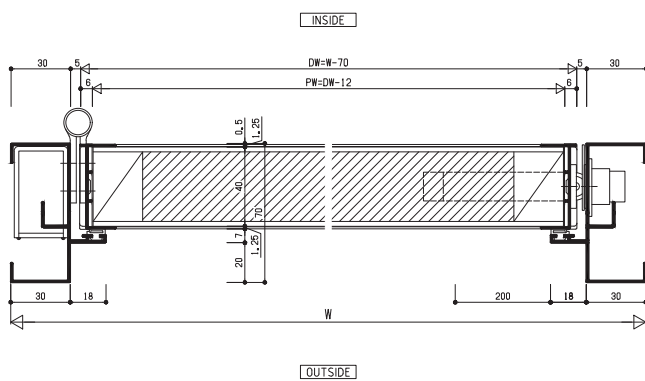
SYSTEM DRAWING



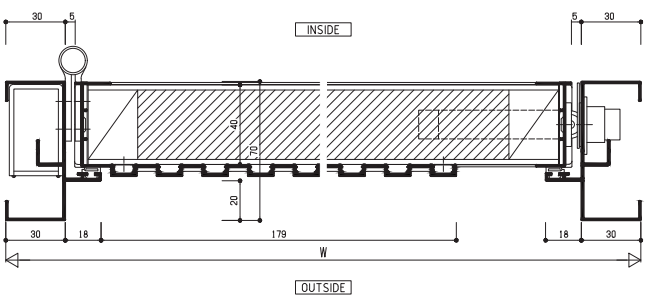
BASIC



AXIS

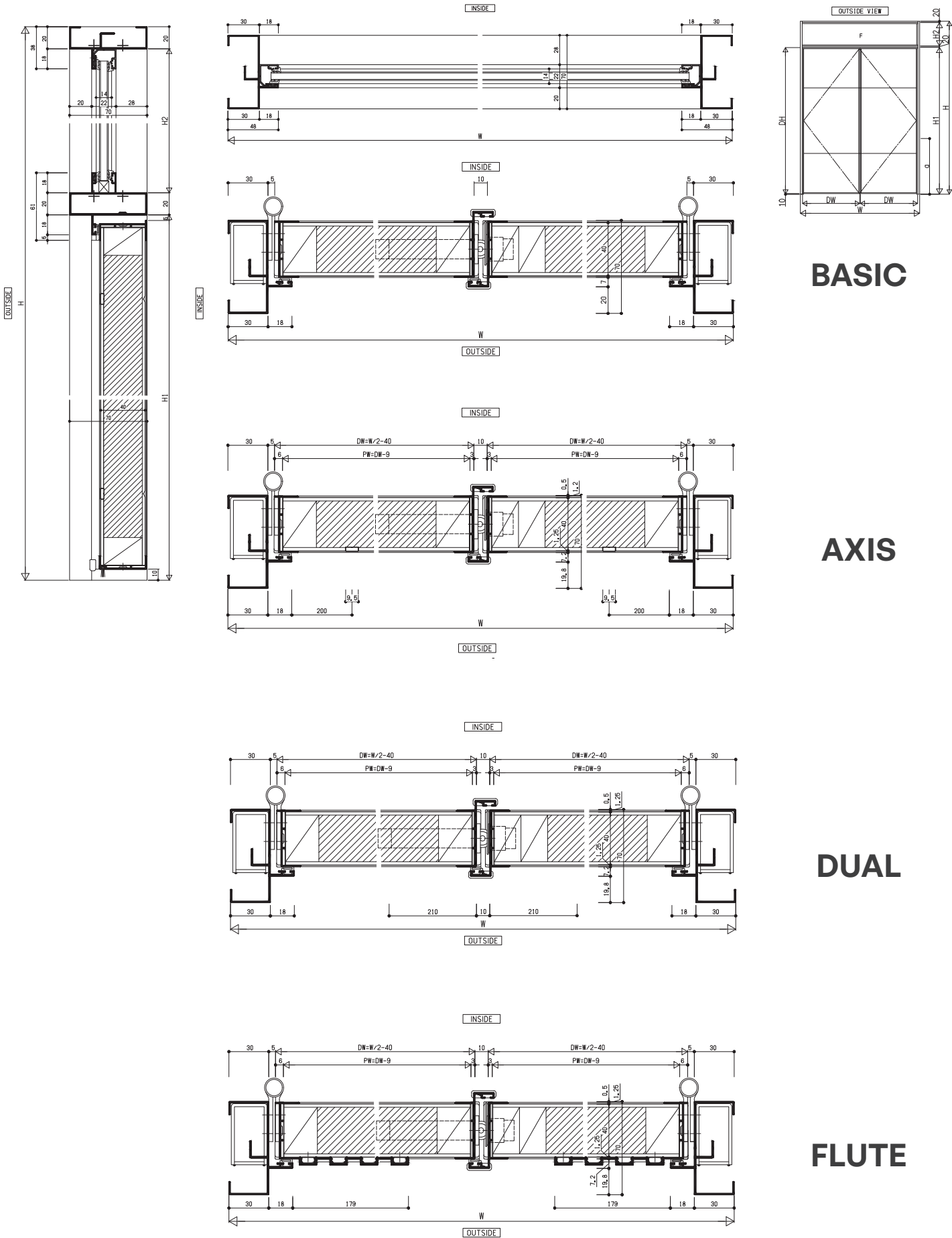


DUAL



FLUTE

FIX/DOUBLE DOOR
SYSTEM DRAWING



BASIC

AXIS

DUAL

FLUTE

T - MULLION



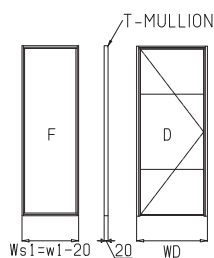
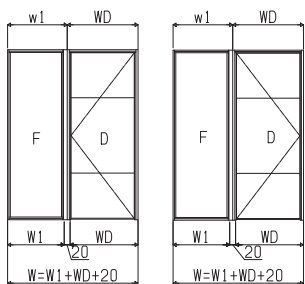
Performance

Structural (Wind Load)	600 Pa
Water Tightness	100 Pa
Sound Insulation	-25 dB

PERFORMANCE OF CONTINUOUS WINDOWS

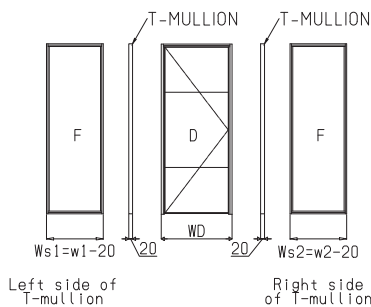
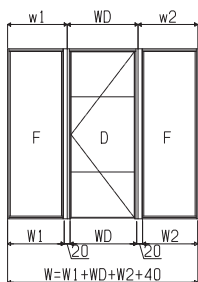
System Order Dimensions

2Module

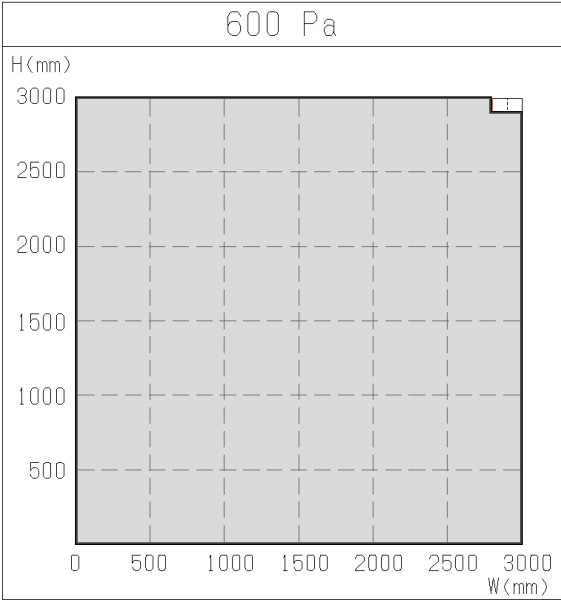


Ws:Single Window W
= System Order Dimesions
WD:FRONTERRA W

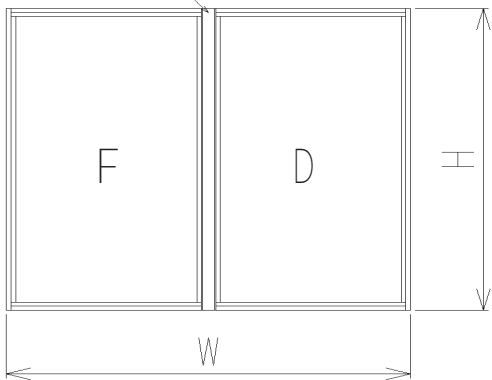
3Module



Size Limitation



T-MULLION



Price List

H (mm)	
2,400	0.68
2,600	0.73
2,601 ~ 2,700	0.75
2,701 ~ 2,800	0.77
2,801 ~ 2,900	0.80
2,901 ~ 3,000	0.82

* For the specifications with Hinge for Reinforcement, 0.08 juta/set will be added to the price above

Condition Pattern

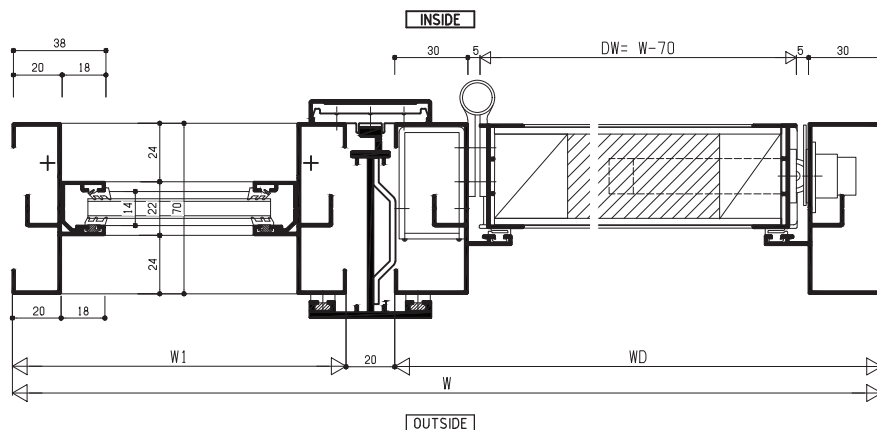
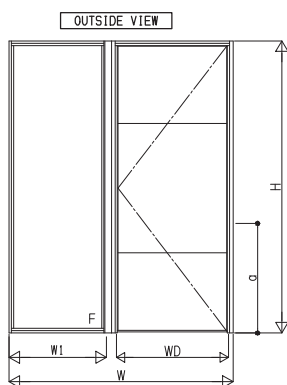
T : T-Mullion, HT : Hinge at T-Mullion

	FRONTERRA (Lock side use)	FRONTERRA (Hinge side use)
MADELA FIX.TH.CA	T	HT
MADELA SL2.SL4	T	HT
Other series	T	HT

Reference Combination Drawing

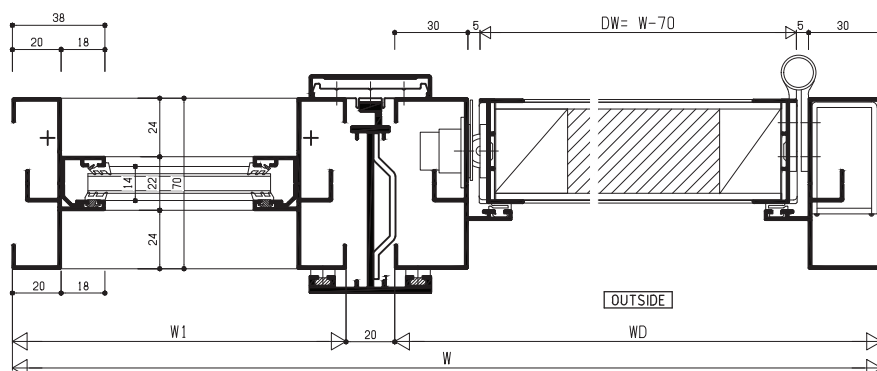
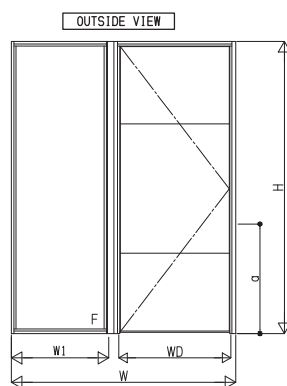
MADELA FIX + FRONTERRA

HT (Hinge at T-Mullion)



MADELA FIX + FRONTERRA

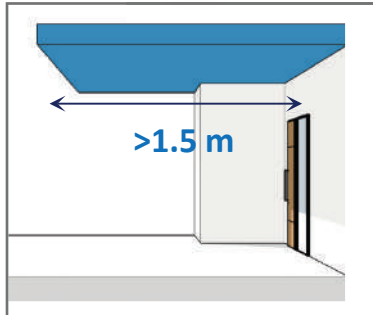
T (T-Mullion)



RECOMMENDED ENVIRONMENT & MAINTENANCE

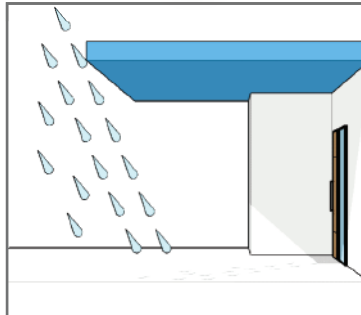
Recommended Environment

1



Under eaves, carport, or canopy with **minimum width of 1.5 meter**

2



Avoid exposure to direct rain or other extreme weather conditions

3



Make sure floor in front of entrance has **slope** to prevent water from accumulating under the door

Maintenance Method



Regular cleaning :
Wipe with soft cloth once a week



Prevention :
If there are water droplets on the door surface, wipe them off with dry cloth

| PRECAUTIONS

• Quality Assurance

- **2 years for the product FRONTERRA.**
- **10 years** for aluminium surface treatment of profile, **2 years** for parts and **1 year** for wood panel.
*Please check below for disclaimers
- YKK AP Indonesia's official distributors guarantee for the quality of assembly, installation, and sealing request

• Disclaimer

Even within the warranty period, repairs will be charged in the following cases :

- Problems when installed in a place that requires performance that exceeds the performance of this product
 - Defects caused by processing, assembly, construction (foundation work, installation work, sealing work, etc.), management, maintenance, etc. by a third party that is not arranged by our company (Defects caused by unusual construction work, corrosion due to the use of cleaning agents other than neutral detergents, discoloration and corrosion due to poor curing during construction, etc.)
 - Product defects caused by defects other than the product, such as deformation of the building frame
 - Defects such as changes in products or parts over time (wear and tear due to use, etc.) or deterioration over time (changes in quality of resin parts, discoloration, etc.)
 - Corrosion or other defects caused by the natural environment or living environment around the product (Example: Corrosion due to salt damage, problems due to abnormally high temperature and high humidity, etc.)
 - Phenomena associated with the material properties of products or parts (e.g., Warping of panels, fading)
 - Defects caused by direct sunlight or rain hitting the product directly
 - Problem caused by water accumulating around the door due to insufficient water slope on the floor in front of the entrance.
 - Problems caused by natural disasters or other force majeure (for example, windbreaks, heavy rains, storm surges, earthquakes, lightning strikes, floods, land subsidence, fires, tsunamis, eruptions, etc)
 - Problems caused by small animals such as dogs, cats, birds, and mice
 - Problems caused by operational errors after delivery, improper adjustment, or improper maintenance
 - Problems caused by customer's own assembly, processing, installation, repair, modification
 - Defects caused by use for purposes other than the intended purpose, or defects caused by use in a manner different from the intended use.
 - Damage or malfunction caused by illegal acts such as crime.
- * Fee will be charged for replacement after the warranty period has expired
- * This document does not limit customer's legal rights. If customers have any questions about repairs after the warranty period has expired, please contact our sales office



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