APRO

A140T

LIFT & SLIDE DOOR SYSTEM · EDITION 2026 · v14

A lift-and-slide system for openings that read as glass rather than frame. Select the panel layout, glazing and hardware for your project; coordinate the threshold with the finished floor.

THE SYSTEM

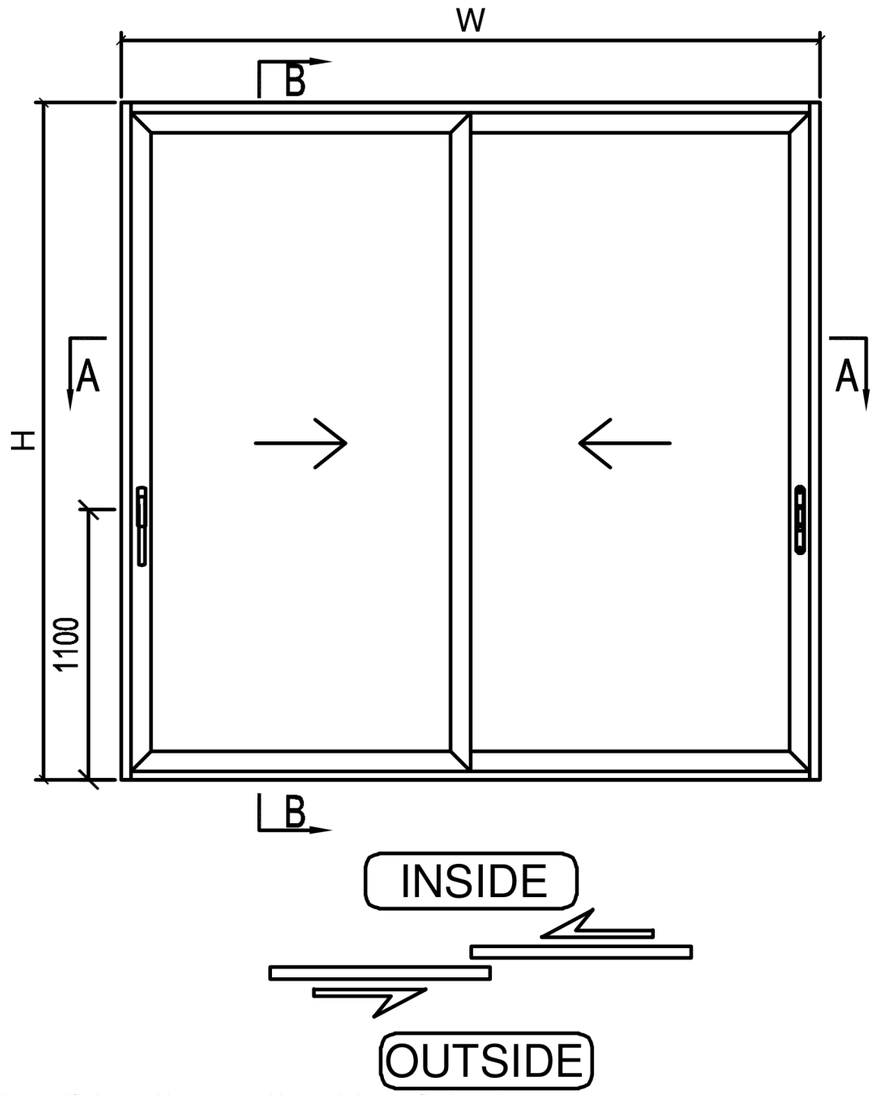
One handle does two jobs: it lifts the leaf clear of the sill, then carries it across the opening.



Plan the sill, drainage and floor build-up together. A level transition depends on the selected threshold detail and installation; confirm the project interface before manufacture.

A140T

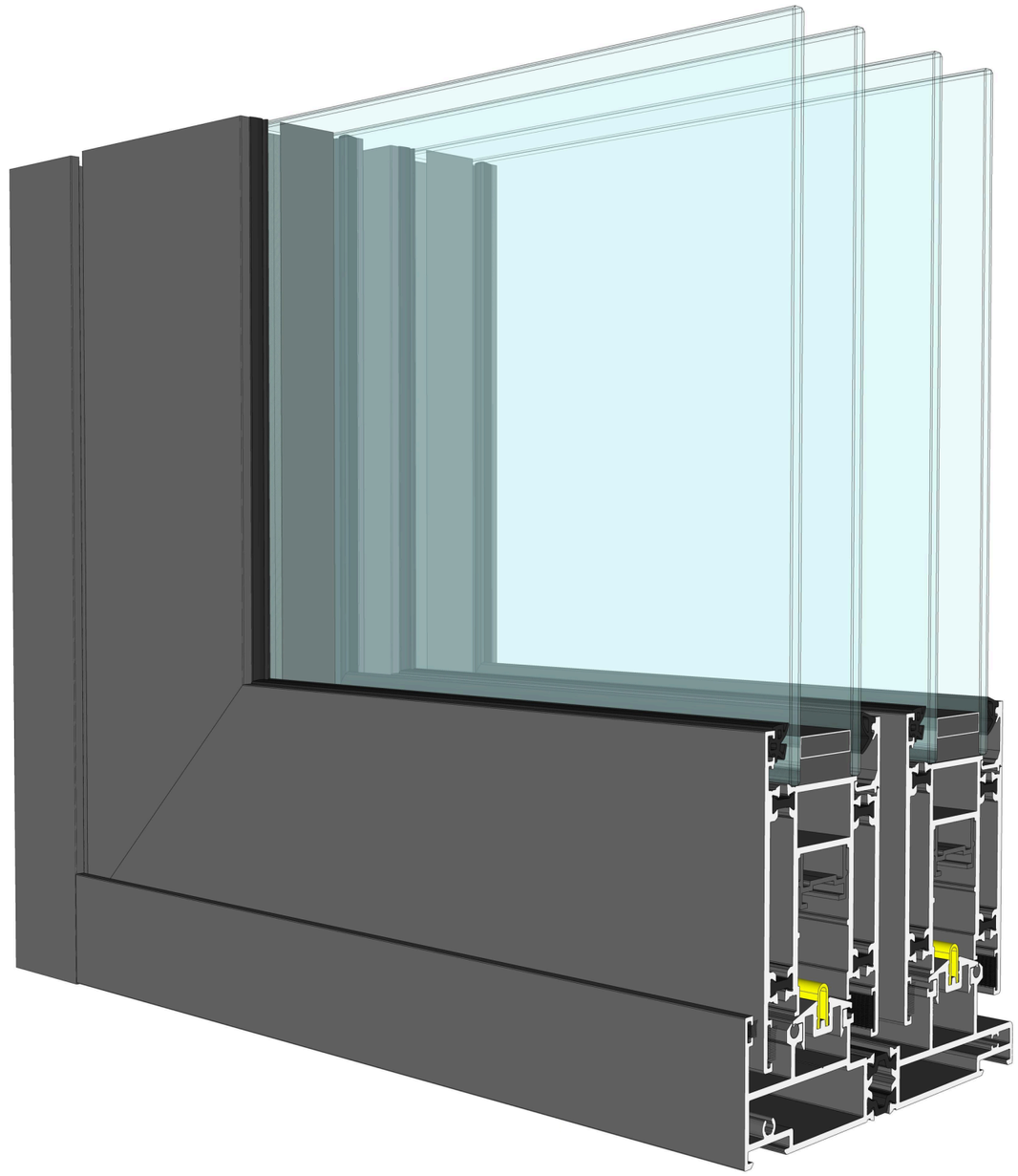
LIFT & SLIDE · THERMAL BREAK



Layout illustration; certified assembly: one operable panel plus one fixed panel.

140 mm	208 mm	42 mm	Matched
2-TRACK FRAME	3-TRACK (APPROX.)	TESTED GLAZING	PROJECT HARDWARE

INSIDE THE CORNER



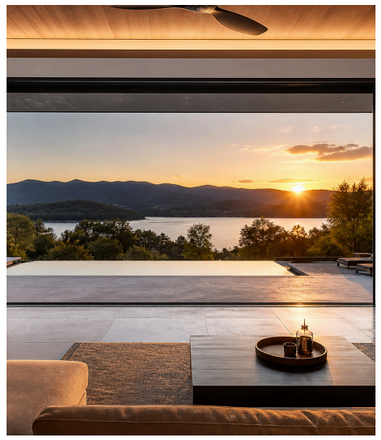
01 Two-track frame, 140 02 Head track 03 Glazing: project-specific

04 Sill rails 05 Carriage 06 Thermal break
Profile illustration; select glazing and hardware as a complete assembly.

SECTION 03 — IN USE

OPEN ALL YEAR



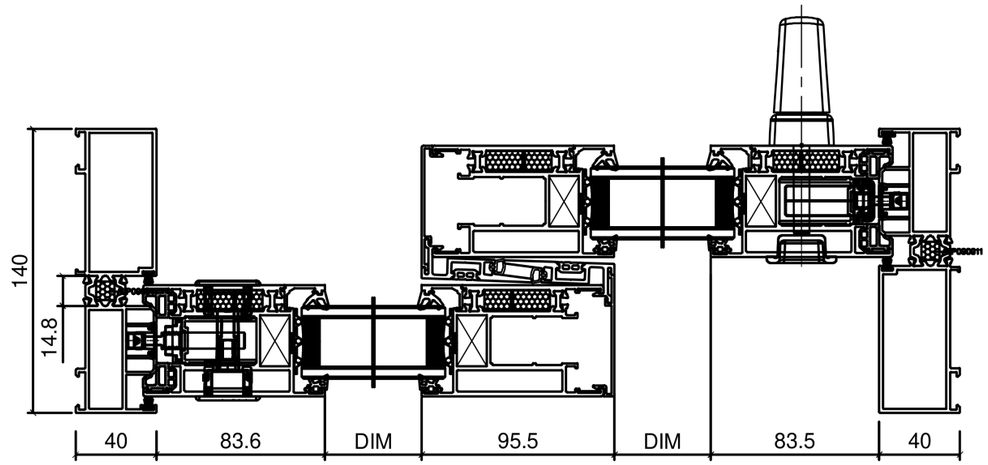




Kitchen, terrace and living room: the same opening, three times of day.

D — SECTION A–A

HORIZONTAL SECTION



Section A-A OUTSIDE

Dimensions, read from SD1

Profile details for coordination; use issued project drawings for dimensions and scale.

01
140 mm
Frame depth

02
40 mm
Frame face

03
83.6 mm
Edge stile

04
95.5 mm
Interlock

05
84 mm
Sash depth

06
13.4 mm
Sill plate

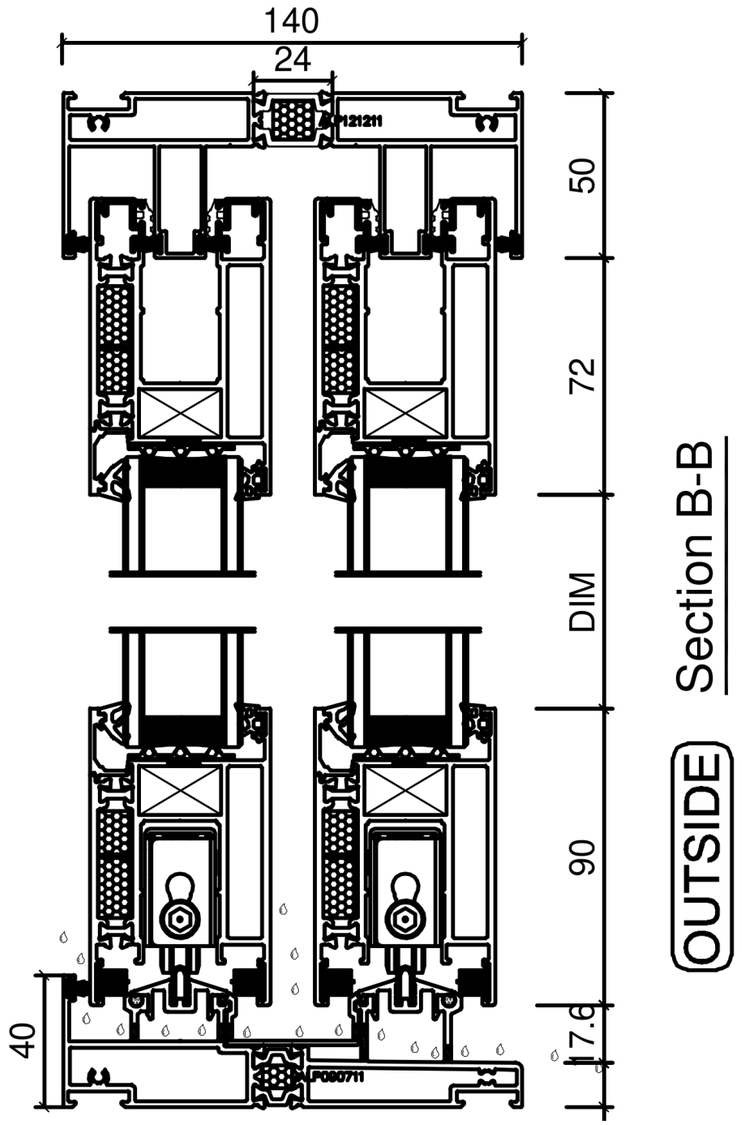
Profile dimensions are not opening sizes. Confirm installation interfaces in project drawings.



D — SECTION B–B

SD2 at 1:3. Lift reads 17.6.

VERTICAL SECTION



Choose fixed and moving panels to suit the opening. The tested NAFS assembly has two tracks, one operable panel and one fixed panel; other layouts require separate review.

50	72	90	17.6	13.4
HEAD	TRACK	LEAF	LIFT	SILL

E — PERFORMANCE

CERTIFIED, PER BUILD

BUILD	U · W/M²K	SHGC	ER	VT
C1 · triple	1.81	0.25	14	0.41
C2 · double	2.31	0.28	05	0.49
C3 · double	2.32	0.21	01	0.37
C4 · double	2.33	0.31	06	0.52
C5 · double	2.39	0.41	11	0.55

TESTED DOOR CONFIGURATION

Assembly	Two tracks; 1 operable + 1 fixed
NAFS rating	Class CW-PG40; Type SD
Water test pressure	290 Pa
Design pressure	+1920 / -1920 Pa
Acoustic requirements	Discuss your project targets with APRO

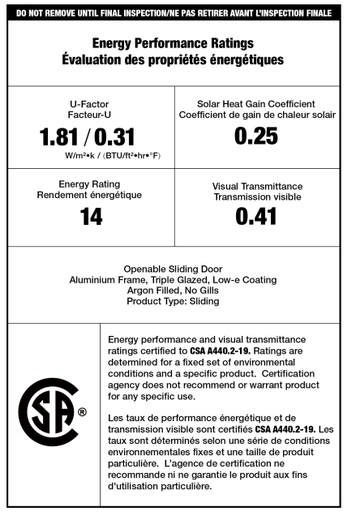
Thermal values match the listed CSA product configurations. NAFS results apply to the tested assembly and do not automatically extend to other layouts, glazing or hardware.

E — GLAZING

FIVE BUILDS

BUILD	CSA NO.	CERTIFIED GLAZING	GAS
C1	001	Triple; 42 mm XDTN179 #2 / #4	Argon
C2	005	Double PDE80A02 #2	Argon
C3	004	Double; grey tint (GY) PDE59B #2	Argon
C4	002	Double XDTN179 #2	Argon
C5	003	Double XDTN0187 #2	Argon

C1-C5 map to CSA Products 001 / 005 / 004 / 002 / 003 respectively.


DO NOT REMOVE UNTIL FINAL INSPECTION/NE PAS RETIRER AVANT L'INSPECTION FINALE

Energy Performance Ratings
Évaluation des propriétés énergétiques

U-Factor
Facteur-U
1.81 / 0.31
W/m²•k / (BTU/ft²•hr•°F)

Solar Heat Gain Coefficient
Coefficient de gain de chaleur solair
0.25

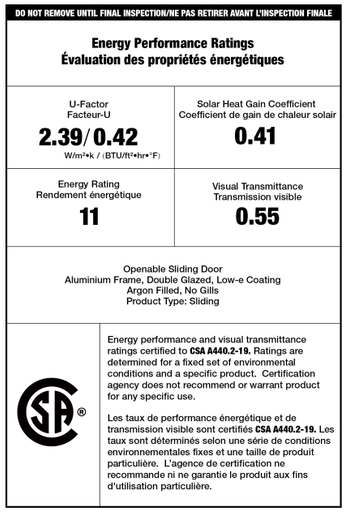
Energy Rating
Rendement énergétique
14

Visual Transmittance
Transmission visible
0.41

Openable Sliding Door
Aluminium Frame, Triple Glazed, Low-e Coating
Argon Filled, No Gills
Product Type: Sliding

Energy performance and visual transmittance ratings certified to **CSA A440.2-19.** Ratings are determined for a fixed set of environmental conditions and a specific product. Certification agency does not recommend or warrant product for any specific use.

Les taux de performance énergétique et de transmission visible sont certifiés **CSA A440.2-19.** Les taux sont déterminés selon une série de conditions environnementales fixes et une taille de produit particulière. L'agence de certification ne recommande ni ne garantie le produit aux fins d'utilisation particulière.


DO NOT REMOVE UNTIL FINAL INSPECTION/NE PAS RETIRER AVANT L'INSPECTION FINALE

Energy Performance Ratings
Évaluation des propriétés énergétiques

U-Factor
Facteur-U
2.39 / 0.42
W/m²•k / (BTU/ft²•hr•°F)

Solar Heat Gain Coefficient
Coefficient de gain de chaleur solair
0.41

Energy Rating
Rendement énergétique
11

Visual Transmittance
Transmission visible
0.55

Openable Sliding Door
Aluminium Frame, Double Glazed, Low-e Coating
Argon Filled, No Gills
Product Type: Sliding

Energy performance and visual transmittance ratings certified to **CSA A440.2-19.** Ratings are determined for a fixed set of environmental conditions and a specific product. Certification agency does not recommend or warrant product for any specific use.

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LABEL C1

Triple glazed, U 1.81.
Reproduced at 55 mm wide.

LABEL C5

Low-E argon double, U 2.39.
CSA Product No. 003.

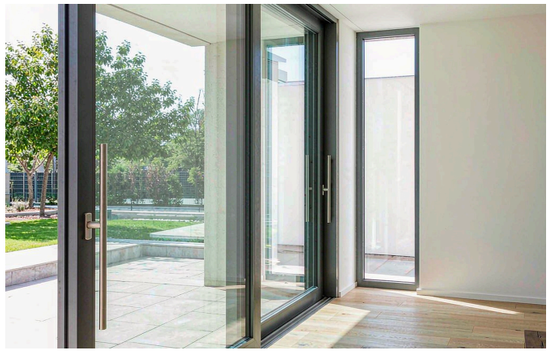
CSA certificate 80165161, issued 2025-04-18, p.6. Glass codes identify the documented build; confirm the proposed specification with APRO.

A broad glazed opening connects the room with its outdoor setting. Select the track layout and coordinate the threshold with the floor and drainage details for your project.

DESIGN SCENARIOS
TWO SETTINGS







Illustrative residential settings. Panel movement and threshold details are selected per project.

WHAT YOU DON'T SEE



01

Flush pull, recessed into the stile.

02

Fixing plate, through-bolted.

03

Handle appearance shown for design discussion.

04

Stainless or black anodised.

Hardware shown is illustrative. The tested assembly uses the specified CMECH hardware set.

HOW TO SPECIFY

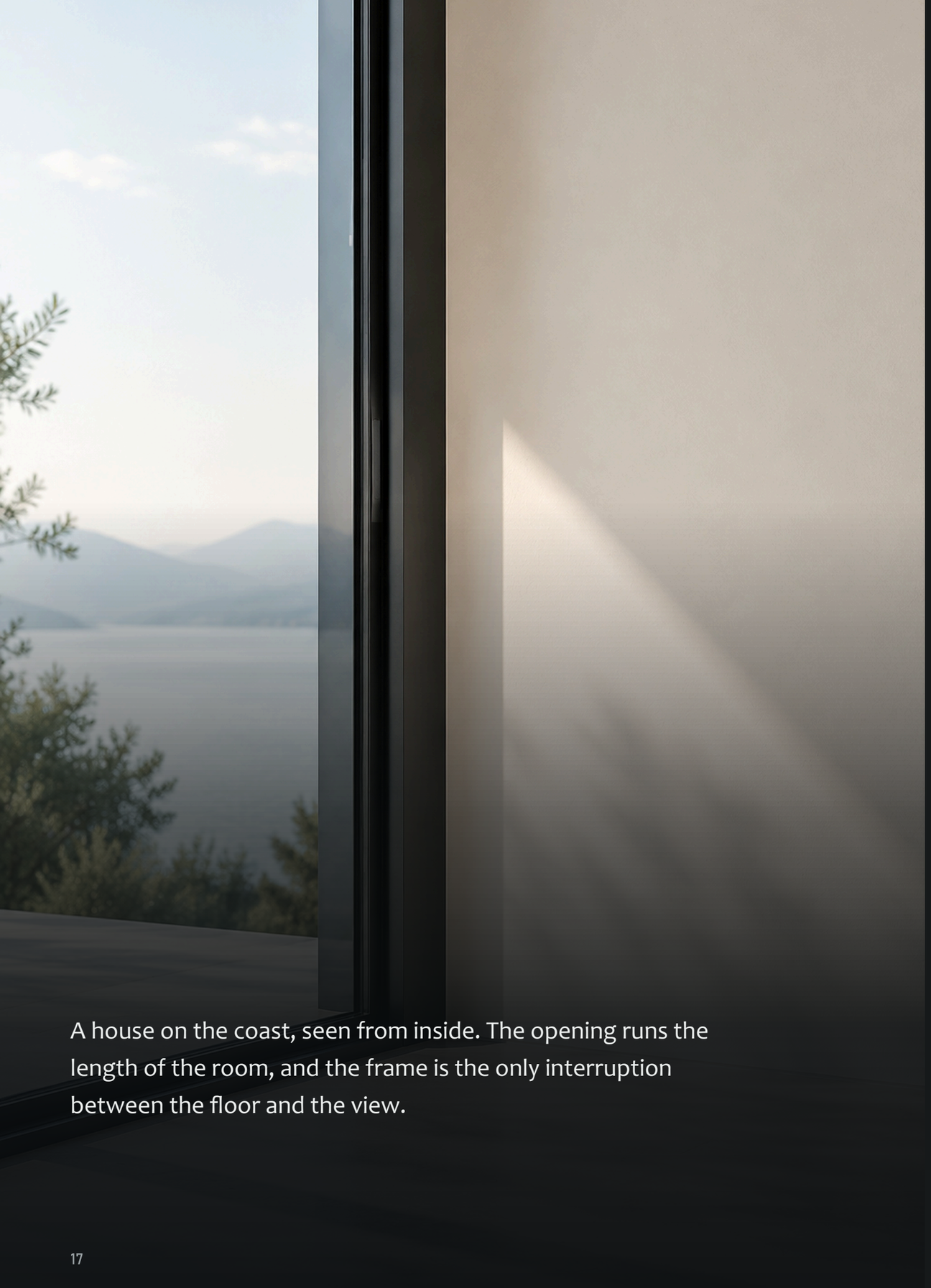
FIELD	VALUE	MEANING
Series	A140T	Two-track 140 mm; three-track approx. 208 mm
Type	LS	Lift and slide
Leaves	2P / 4P	Leaves in the opening
Tracks	2T / 3T	Select track and panel layout per project
Glazing	C1 — C5	Listed CSA configurations, pages 11-12
Finish	[project]	Colour agreed per project

PROJECT SELECTION
Confirm opening dimensions, glass weight, hardware capacity and track layout together. APRO will coordinate the proposed assembly with the project requirements.

WHAT WE NEED FROM YOU

01	Opening W × H	Sets leaf count and rails
02	Leaf count and handing	2P or 4P, which side parks
03	Glazing build	C1–C5 changes the U-factor
04	Exposure, finish, quantity	Coastal sites go to review

C1-C5 identify only the listed certified builds. Confirm the opening, hardware, glazing and installation details before manufacture.



A house on the coast, seen from inside. The opening runs the length of the room, and the frame is the only interruption between the floor and the view.

APRO

LIFT & SLIDE DOOR SYSTEM

Select the layout, glazing and finish for your project. Thermal values apply only to the listed certified configurations; coordinate the threshold with the installation details.

SALES

+86 20 3692 9561

+86 138 0296 2112

info@gzapro.com

WORKS

No.68 Huai Xian Gang Nan Road

HuaDu District

Guangzhou, China

ONLINE

www.gzapro.com

Dimensions from the A140T drawing set and CSA labels; scene imagery is illustrative.