ELEPHANT
WINDOWS & DOORS

PRODUCT COLLECTION / 2026



HD-F

FOLDING DOOR SYSTEM

Open the room.
Bring the view closer.

SYSTEM OVERVIEW / CONFIGURATIONS / SILL DETAILS

NORTH AMERICA · TECHNICAL REVIEW EDITION · R02

INDOOR / OUTDOOR LIVING

Space, opened.

A thermally insulated aluminum folding system with flexible panel layouts and a choice of four floor-track profiles.

3.74″

NOMINAL FRAME DEPTH

(95 mm)

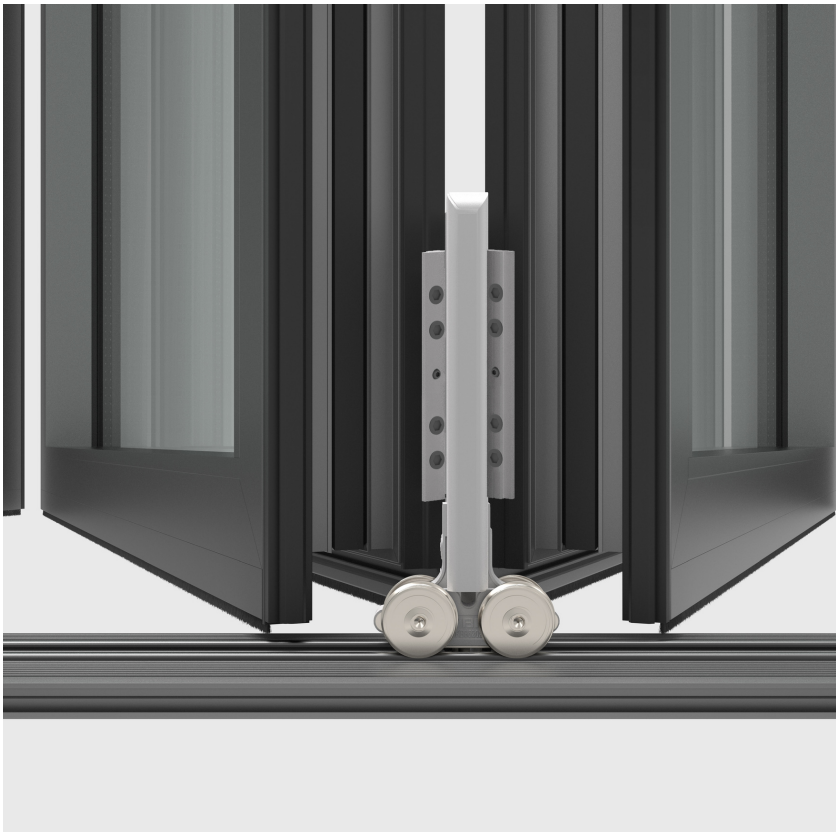
265 lb

MAX. PANEL WEIGHT

(120 kg)

4

FLOOR-TRACK OPTIONS







Smooth movement

Stainless steel running tracks and roller assemblies support controlled panel travel.

Fine adjustment

Adjustable hinges and profile alignment allow width and height tuning during installation.

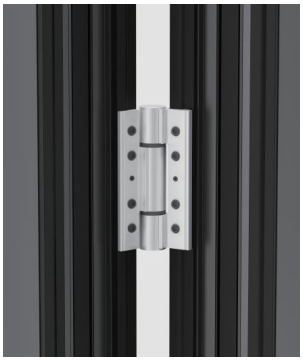
Continuous sealing

Dual-level perimeter sealing and EPDM gaskets are integrated around the panel assembly.

Panel capacity and maximum dimensions depend on the selected glass, hardware, configuration and design loads. See the technical data on pages 09-11.

DESIGNED INTO THE SYSTEM

Details that work together.



Height adjustment

Adjustable hinges support precise panel alignment.



Roller & track assembly

Stainless steel rolling components support stable movement.



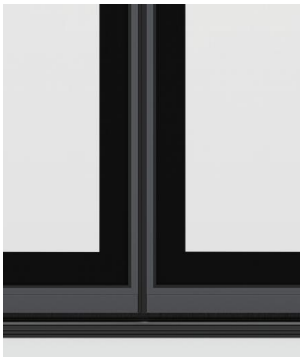
Top & bottom pivot system

Integrated pivot hardware connects the folding panels to the frame.



Security lock

Dedicated locking hardware secures the operable panel.



Panoramic glazing

Coordinated framing keeps the view visually connected.



Screen option

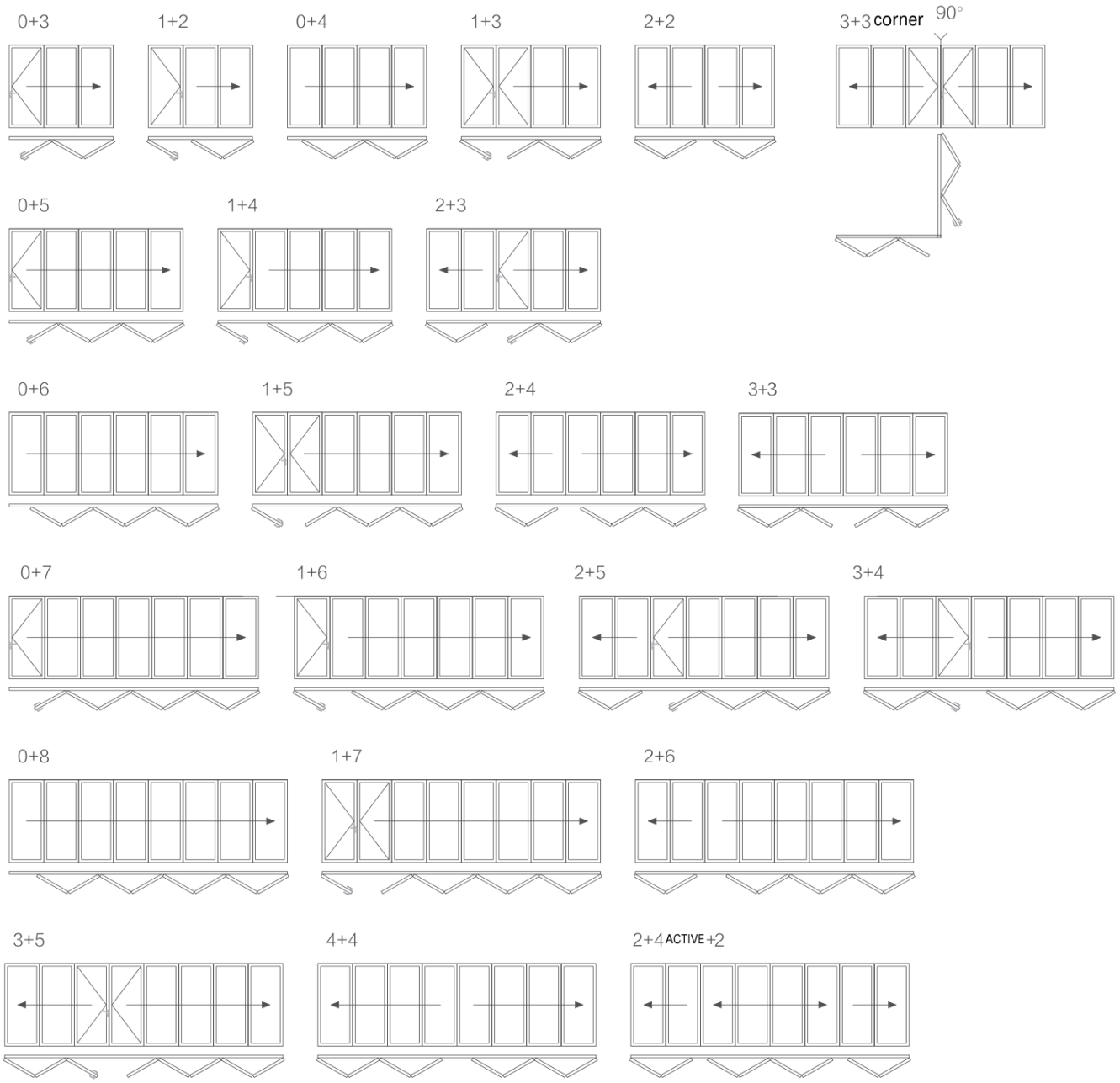
An integrated screen solution is available for selected layouts.

Hardware images are system illustrations. Final handles, hinges, finish and screen details are confirmed with the order.

FLEXIBLE PANEL ARRANGEMENTS

Plan the opening.

Panel notation = panels stacking left + panels stacking right. For example, 2+3 means two panels to the left and three to the right.

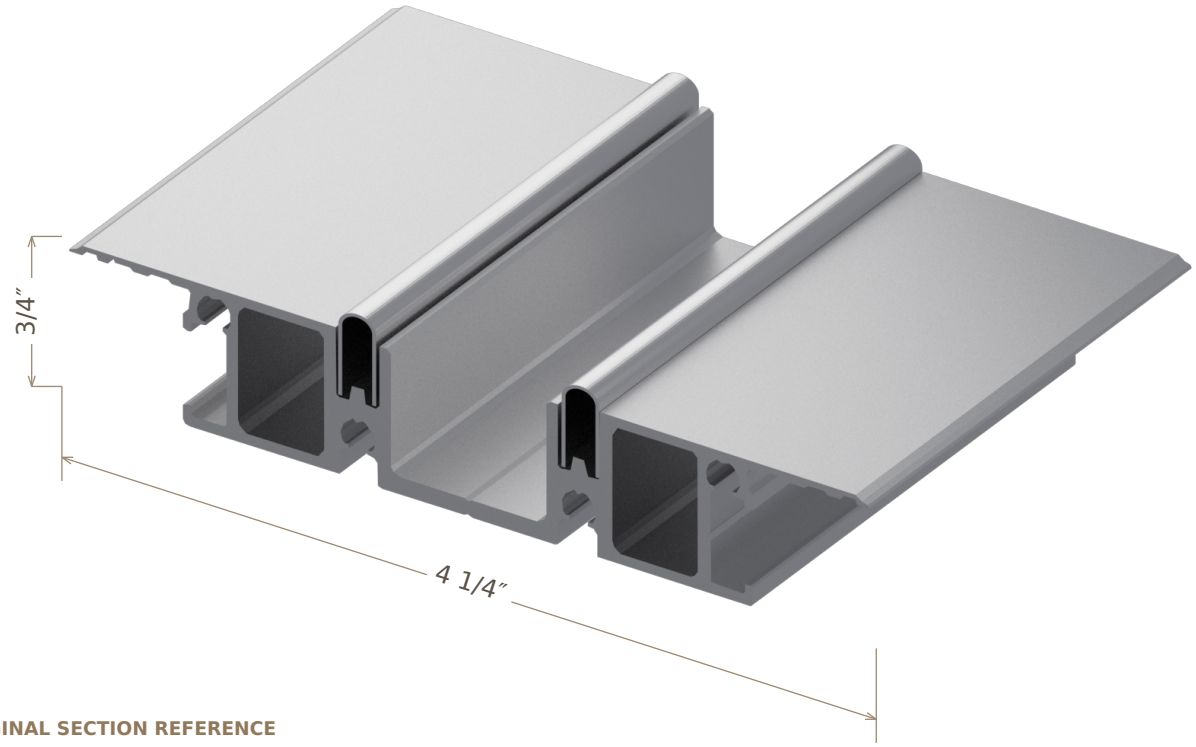


Inward- and outward-folding layouts are shown in the supplied system documentation. A 90° corner configuration without a fixed mullion is available subject to project engineering.

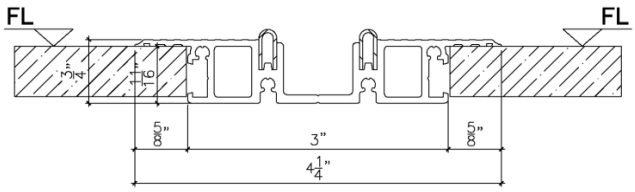
TRACK 01 / RECESSED FLOOR TRANSITION

Embedded low-profile sill

An embedded floor-track option for interior applications and locations with low moisture exposure.



ORIGINAL SECTION REFERENCE



No factory drainage holes are stated for this option. Coordinate floor levels before the track is embedded.

FL = finished floor. Inch dimensions govern this reference; metric equivalents are secondary.

SECTION DIMENSION	INCHES (METRIC REFERENCE)
Overall width	**4 1/4″** (108 mm)
Central body width	**3″** (76.2 mm)
Side flange, each	**5/8″** (15.9 mm)
Body reference height	**3/4″** (19.1 mm)
Embedment shown to FL	**11/16″** (17.5 mm)

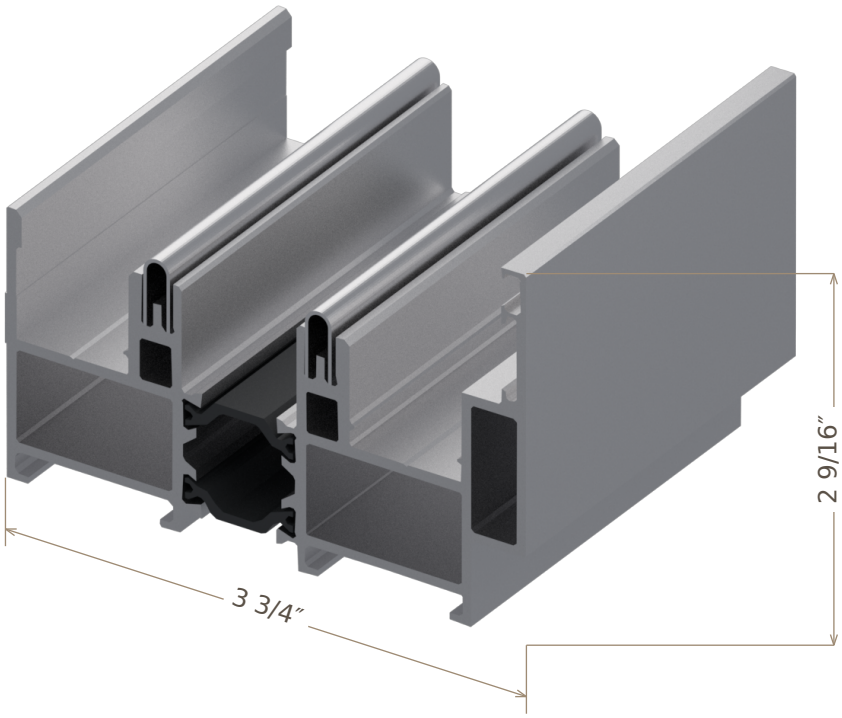
The source prose gives 0.67″ (17 mm) embedment; the section shows 11/16″. Fractional-inch dimensions are reproduced from the section. Confirm the recess with approved shop drawings.

3D section visualization reconstructed from the supplied PDF. Small profile features are approximate; extrusion length is illustrative. Use approved CAD/shop drawings for fabrication.

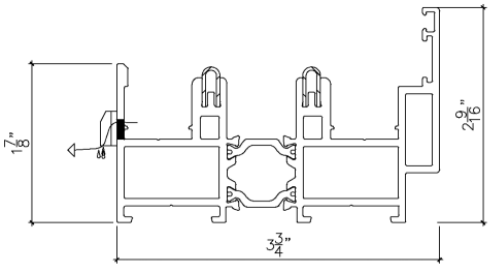
TRACK 02 / STANDARD FLOOR TRACK

Raised weather sill

A raised, drained floor-track option for living areas and covered exterior openings, as described in the system sheet.



ORIGINAL SECTION REFERENCE



Factory-fitted drainage is stated in the source. Final outlets, sill-pan details and exterior drainage require coordination.

FL = finished floor. Inch dimensions govern this reference; metric equivalents are secondary.

SECTION DIMENSION	INCHES (METRIC REFERENCE)
Overall width	**3 3/4″** (95.3 mm)
High-side overall height	**2 9/16″** (65.1 mm)
Low-side height	**1 7/8″** (47.6 mm)

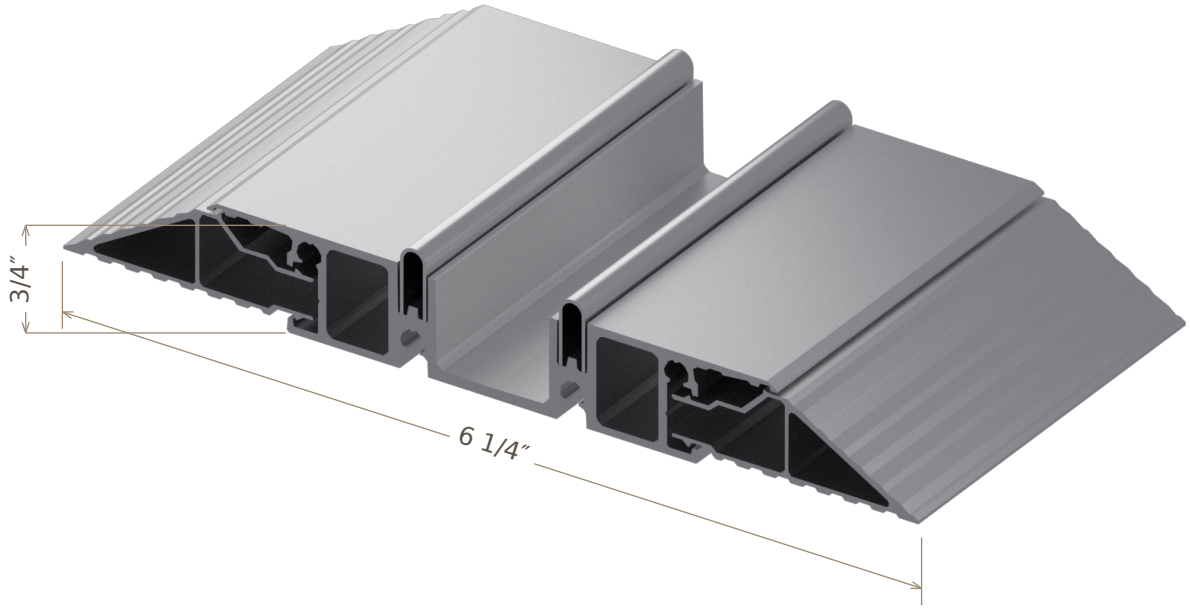
The source prose uses nominal 3.74″ (95 mm) width and 2.56″ (65 mm) height. This page preserves the fractional-inch dimensions printed on the section.

3D section visualization reconstructed from the supplied PDF. Small profile features are approximate; extrusion length is illustrative. Use approved CAD/shop drawings for fabrication.

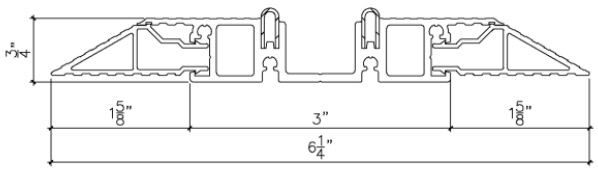
TRACK 03 / LOW-PROFILE TRANSITION

Symmetric ramped sill

A low-profile track with matching sloped adapters on both sides of the central guide channel.



ORIGINAL SECTION REFERENCE



Coordinate the finished floor, transition geometry and operating requirements for the project.

FL = finished floor. Inch dimensions govern this reference; metric equivalents are secondary.

SECTION DIMENSION	INCHES (METRIC REFERENCE)
Overall width	**6 1/4″** (158.8 mm)
Central body width	**3″** (76.2 mm)
Side adapter width, each	**1 5/8″** (41.3 mm)
Body reference height	**3/4″** (19.1 mm)

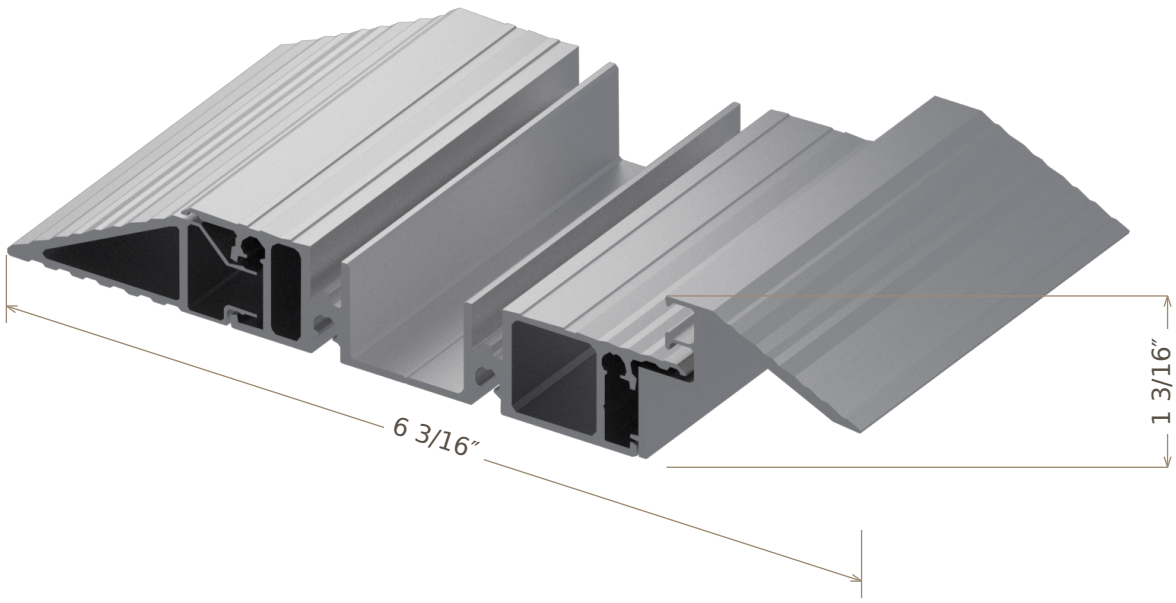
The source prose lists 6.24″ (158.6 mm) width; the section shows 6 1/4″. Accessibility must be checked for the complete installed opening; the profile alone does not establish compliance.

3D section visualization reconstructed from the supplied PDF. Small profile features are approximate; extrusion length is illustrative. Use approved CAD/shop drawings for fabrication.

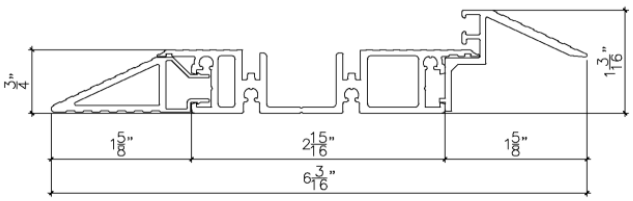
TRACK 04 / RAMP & RAISED RETURN

Asymmetric transition sill

A low-profile central track paired with a sloped adapter and an asymmetric raised return.



ORIGINAL SECTION REFERENCE



Coordinate the raised return, floor transition and drainage with the selected door assembly.

FL = finished floor. Inch dimensions govern this reference; metric equivalents are secondary.

SECTION DIMENSION	INCHES (METRIC REFERENCE)
Overall width	**6 3/16″** (157.2 mm)
Central body width	**2 15/16″** (74.6 mm)
Side adapter width, each	**1 5/8″** (41.3 mm)
Low-side reference height	**3/4″** (19.1 mm)
High-side height, as drawn	**1 3/16″** (30.2 mm)

DIMENSION CHECK: source prose gives 6.19″ width and 1.54″ height; the section shows 6 3/16″ and 1 3/16″. This page follows the section. Confirm the conflicting height against manufacturer CAD.

3D section visualization reconstructed from the supplied PDF. Small profile features are approximate; extrusion length is illustrative. Use approved CAD/shop drawings for fabrication.

SYSTEM GEOMETRY

Built around the opening.

PROFILE DIMENSION	NOMINAL VALUE
Frame depth	3.74″ (95 mm)
Panel depth	3.35″ (85 mm)
Visible frame	2.56″ (65 mm)
Visible panel	2.17″ (55 mm)
Panel joint	4.13″ or 4.72″ (105 or 120 mm)

GLAZING

Glass thickness range	0.39″-1.65″ (10-42 mm)
Standard double glazing	0.94″ or 1.26″ (24 or 32 mm)
Glazing method	Dry glazing
Optional glass functions	Safety, acoustic and energy performance

Panel planning

Maximum panel weight
265 lb (120 kg)

Maximum installed height stated
Approx. 9′ 10″ (3,000 mm)

Final panel width and height depend on glass weight, opening layout, wind/impact requirements and hardware selection. Confirm the complete size schedule for the project.

Dimensions above reproduce the nominal system values. Floor-track dimensions vary by option; use the individual sill pages. The source panel-size graph contains inconsistent axis labels and is not used as a sizing authority here.

CONFIGURATION-SPECIFIC PERFORMANCE

Performance reference.

Values below are reported in the supplied system data sheet. They are not a substitute for the applicable test report or project-specific certification.

CW-PG55
REPORTED PERFORMANCE GRADE

0.29
REPORTED U-FACTOR*

12.1 psf
WATER RESISTANCE

PROPERTY	REPORTED VALUE
Structural / wind test pressure	Up to 94.0 psf (4,500 Pa)
Water penetration resistance	12.1 psf (580 Pa)
Air leakage	≤ 0.3 cfm/ft² at 1.57 psf (TAS 202)
U-factor / SHGC / VT*	0.29 / 0.17 / 0.34
Acoustic reference	Rw up to 34 dB
Cyclic wind-pressure reference	TAS 203: up to ±60 psf
Large-missile impact reference	TAS 201: reported pass; 9.1 lb wood missile

MATERIAL & FINISH

6060-T66 aluminum profiles
Powder-coated finish options
AkzoNobel or Tiger Coatings stated
Custom colors available

ASSEMBLY & SEALING

Mechanical corner connections
Multi-layer sealing concept
EPDM perimeter gaskets
Adjustable panel alignment

*The thermal reference is identified as a triple-glazed configuration in the source. Confirm the glass build-up, tested specimen, sill and product listing before applying any value to HD-F.

The supplied sheet also cites AAMA/WDMA/CSA 101/I.S.2/A440, TAS 201/202/203, NFRC, AS 2047-2014 and SNZ TS 4211:2022. These references have not been independently verified for an Elephant-branded HD-F assembly. Certification logos are not reproduced.

TECHNICAL REVIEW NOTES

Confirm the details.

Coordinate the floor condition, track option, panel schedule and test-report scope before finalizing the order.

01

Recess and finished floor

Confirm the embedment datum, interior/exterior finishes and floor transition against the selected sill.

02

Drainage and exposure

Confirm the drained assembly and discharge route. Performance values do not automatically apply to every sill option.

03

Panel and glazing schedule

Confirm glass thickness, panel weight, opening direction, stacking arrangement and any active traffic panel.

04

Reports and listing scope

Confirm that each required rating and certification covers the supplied product configuration and branding.

DIMENSION RECONCILIATION

U.S. customary units are primary throughout this edition. Sill pages 05-08 preserve the fractional-inch drawings, with rounded metric values in parentheses. These source differences remain for supplier confirmation:

ITEM	SOURCE PROSE	SOURCE DRAWING
Track 1 embedment	0.67″ (17 mm)	11/16″
Track 2 width / height	3.74″ / 2.56″	3 3/4″ / 2 9/16″
Track 3 overall width	6.24″ (158.6 mm)	6 1/4″
Track 4 overall width	6.19″ (157.7 mm)	6 3/16″
Track 4 high-side height	1.54″ (39.1 mm)	1 3/16″

This edition is for product and dimensional review. The 3D views reproduce the visible section concept from the PDF, with simplified small features and no added drainage machining. Approved CAD governs manufacturing geometry, tolerances and final dimensions.



HD-F

A wider connection to the way you live.

ELEPHANT

WINDOWS & DOORS

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