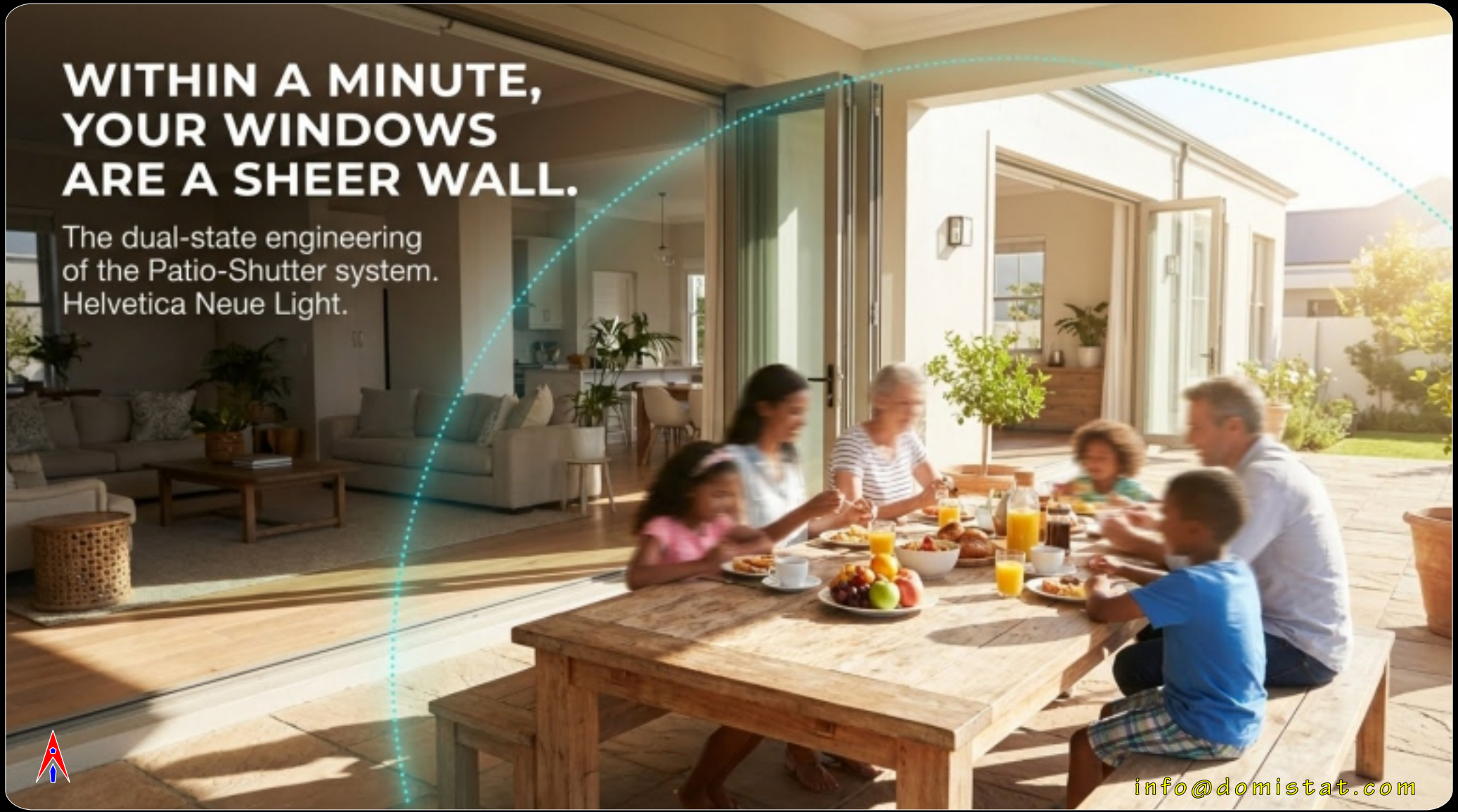
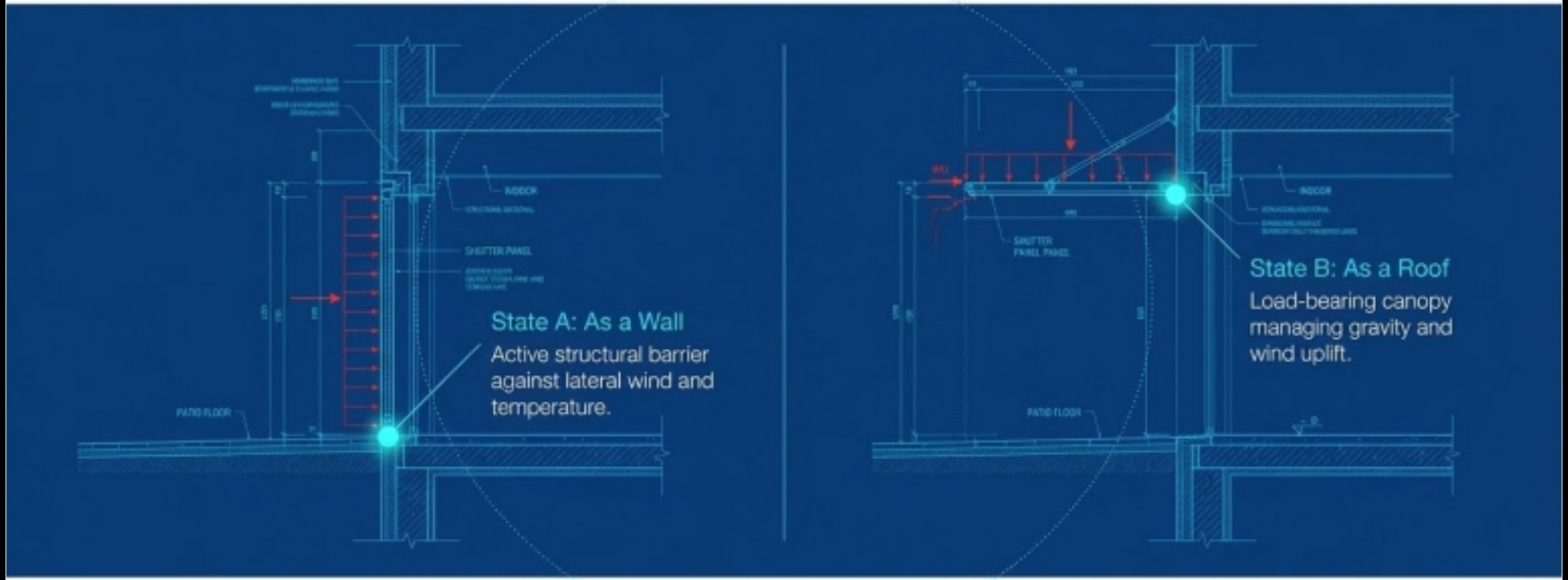

WITHIN A MINUTE,
YOUR WINDOWS
ARE A SHEER WALL.
The dual-state engineering
of the Patio-Shutter system.
Helvetica Neue Light.
info@domistat.com

Two distinct structural states. One elegant system.

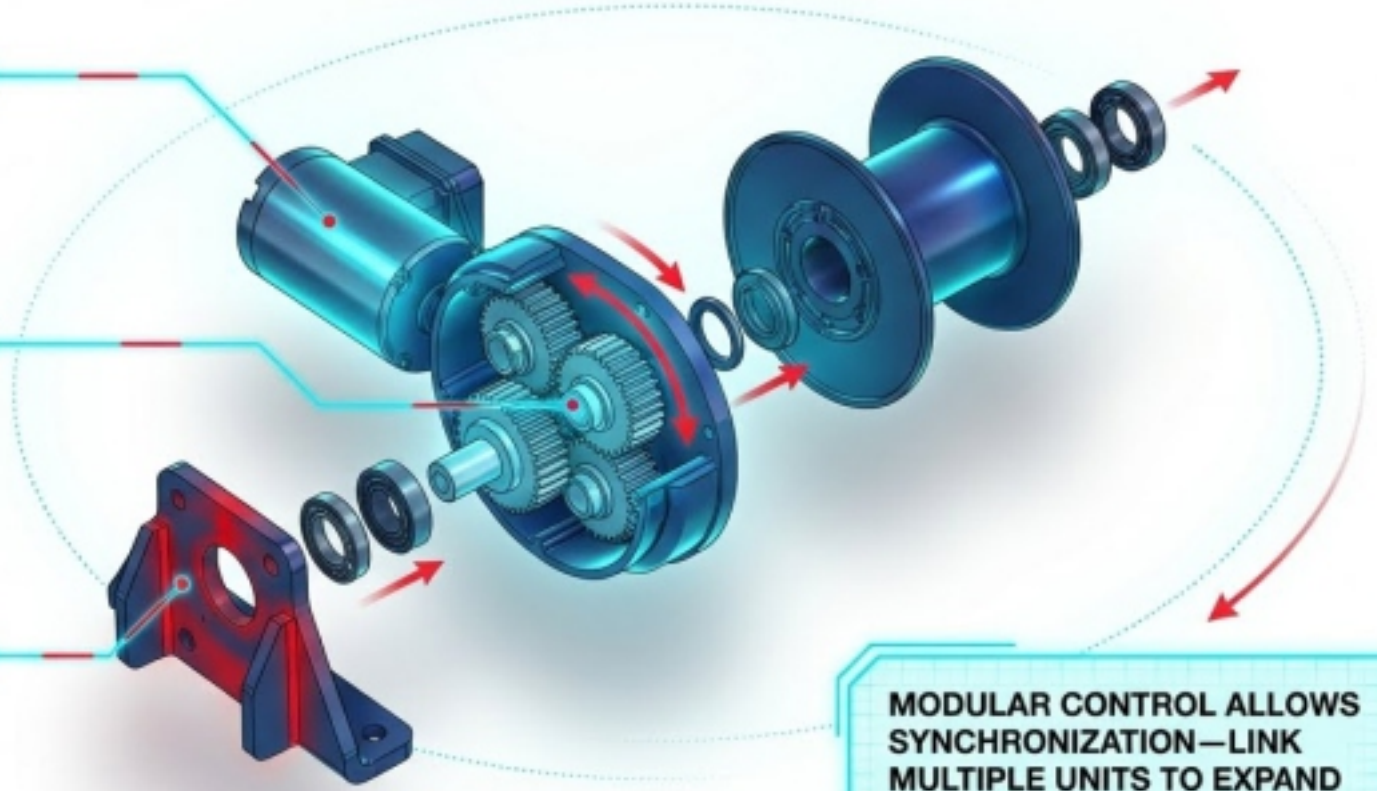


THE ANATOMY OF MOTION

THE DRIVE 1
Low-Voltage DC Motor
Operates on safe, energy-efficient power (UL and CE standard).

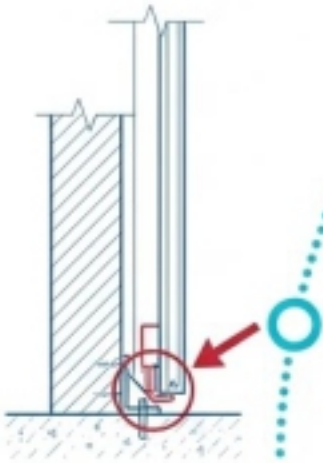
THE CORE 2
Gearbox Assembly & High-Strength Polymers.
Generates immense torque from minimal power.

THE CAPACITY 3
200 kg / 440 lbs structural load capacity. Engineered for heavy-duty exterior sheer forces.



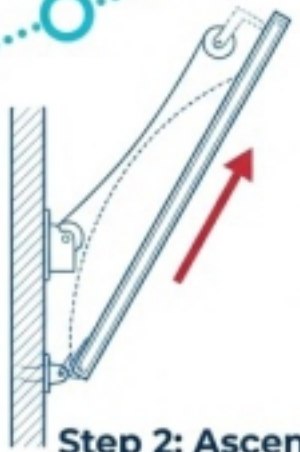
MODULAR CONTROL ALLOWS SYNCHRONIZATION—LINK MULTIPLE UNITS TO EXPAND COVERAGE EFFORTLESSLY.

60 Seconds to Transform



Step 1: Release

The base latch tie-down is unlocked, freeing the panel from its concrete anchor.

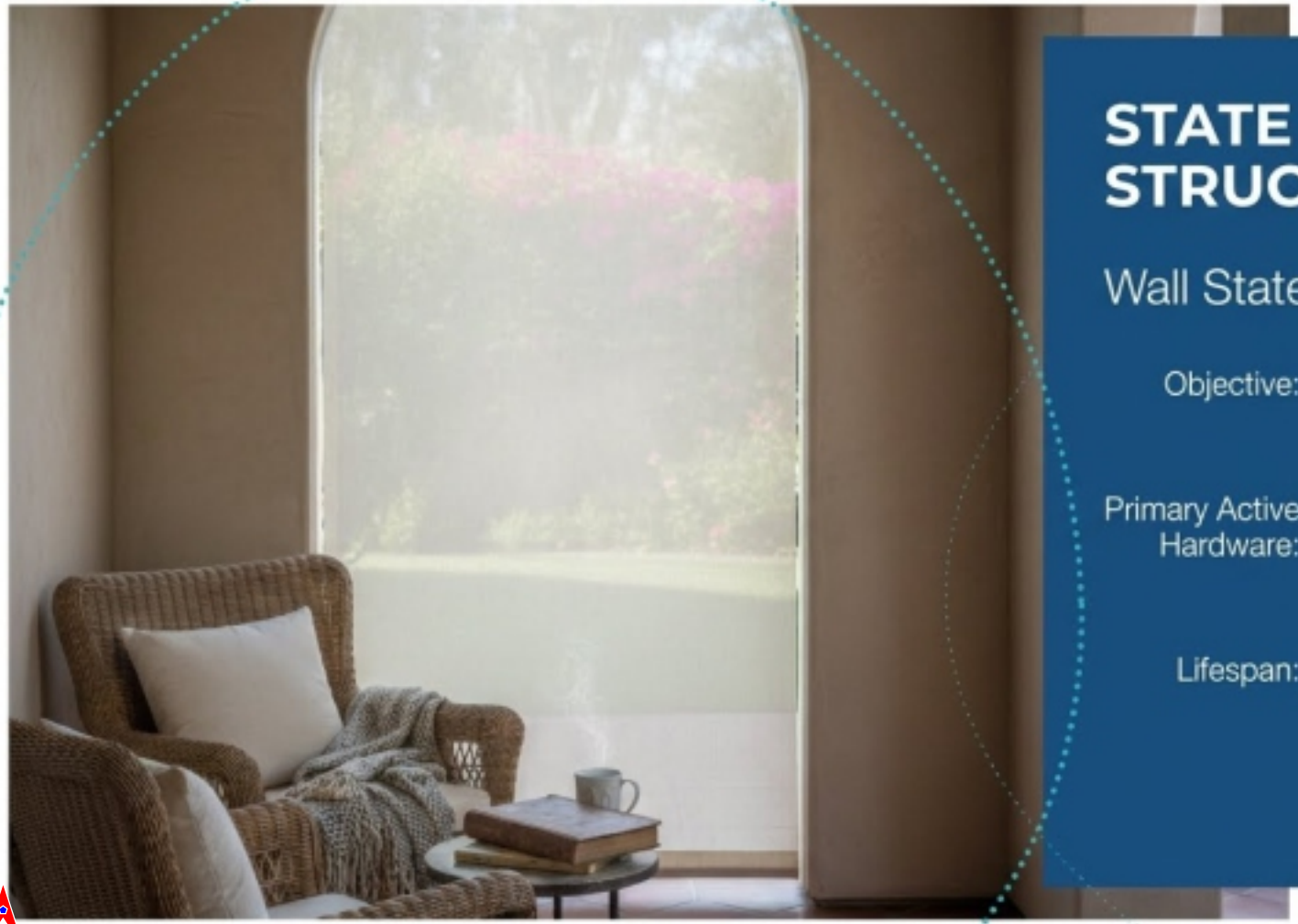


Step 2: Ascend

The mobile motorized winder applies tension to the pulley cable, lifting the panel smoothly along the permanent hinge axis.

Step 3: Secure

The carabiner clips to the static eye. The flip lock sets the precise 2 to 5-degree drainage pitch.

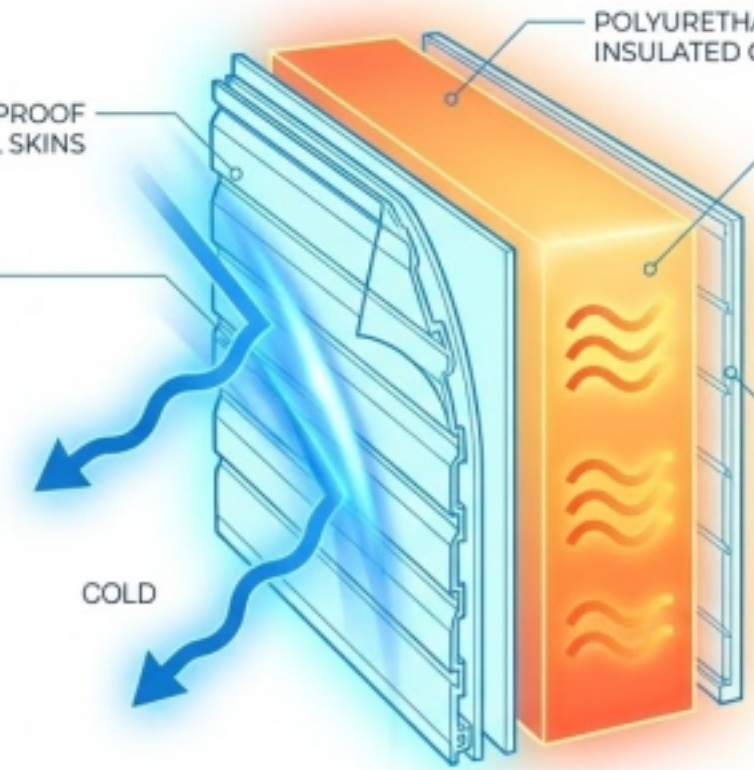


STATE A: THE STRUCTURAL WALL

Wall State Imperatives

Objective:	Total perimeter sealing and lateral force deflection.
Primary Active Hardware:	Weatherproof base seal and structural latches.
Lifespan:	Engineered for 10+ years of durable resistance to high winds and severe kinetic impacts.

THE THERMAL SHIELD



WEATHERPROOF STEEL SKINS

Deflects high winds, kinetic impacts, and extreme exterior weather.

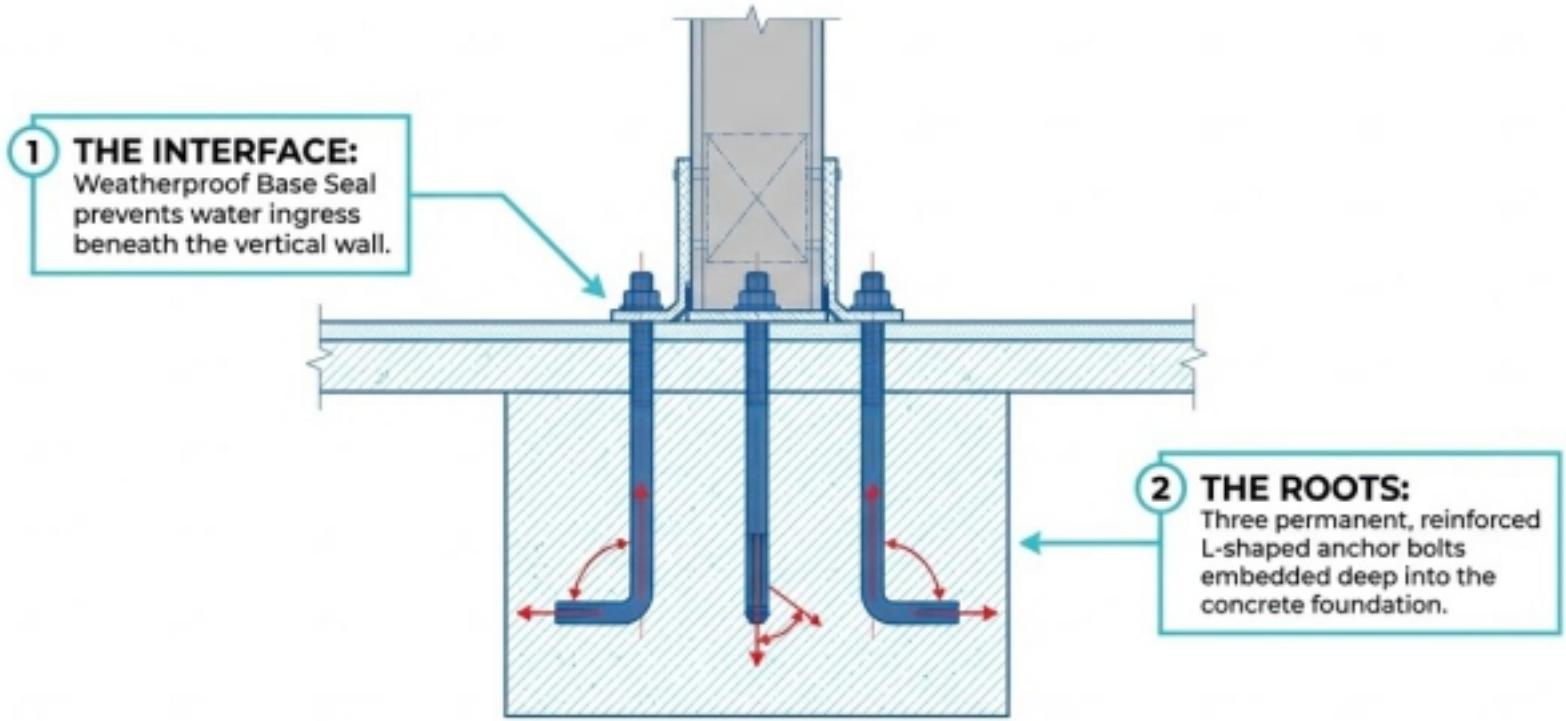
POLYURETHANE CORE

Advanced R-Value thermal efficiency. Drastically reduces heat transfer, keeping spaces cooler in summer, warmer in winter.

CUSTOMIZATION

Variable panel thicknesses engineered to match specific geographic insulation needs.

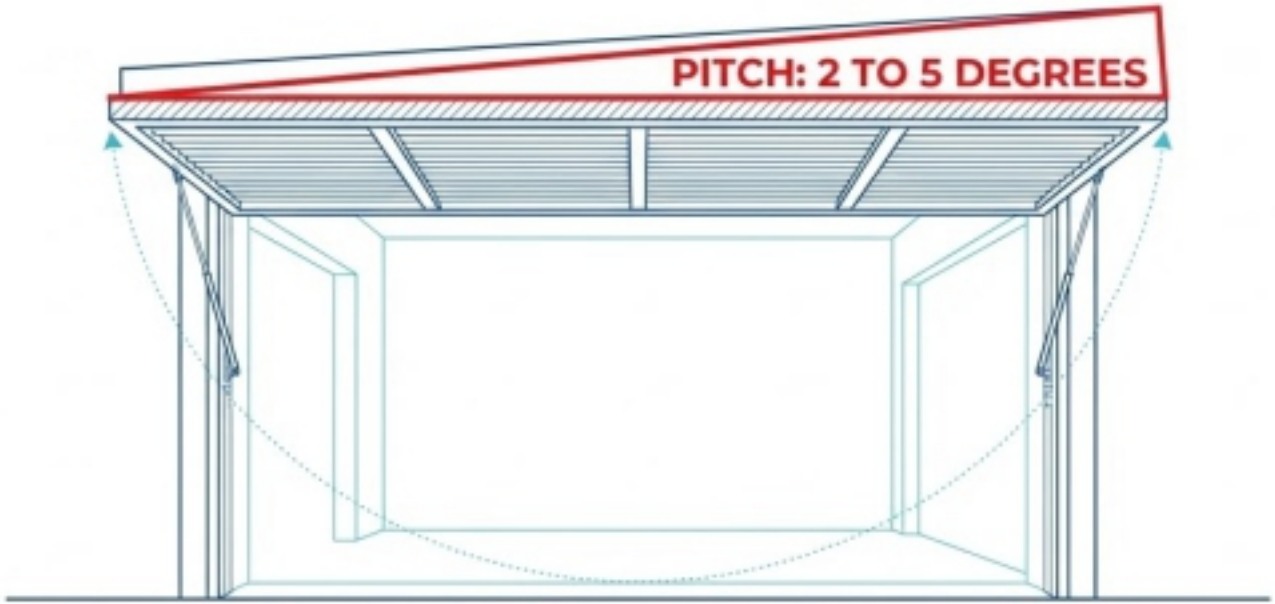
THE ANCHOR ROOT SYSTEM



SYNTHESIS

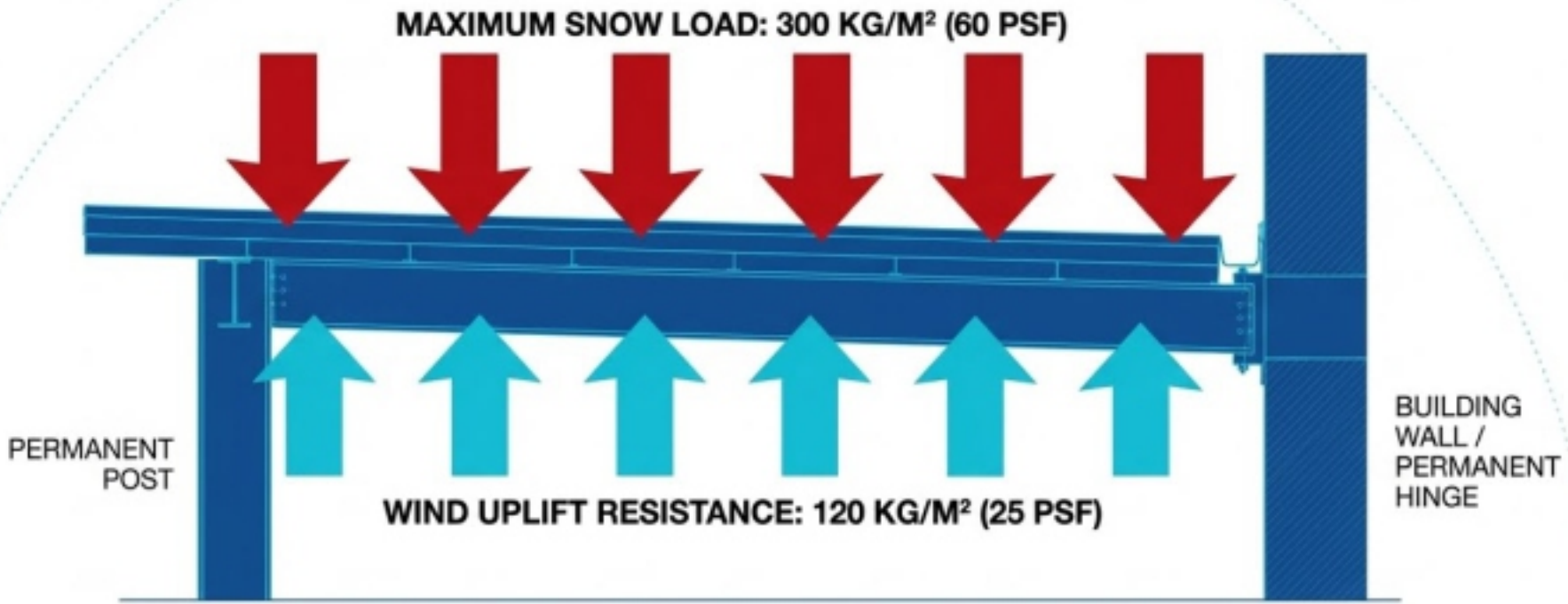
A sheer wall is essentially a sail. To manage catastrophic lateral wind loads, the foundation cannot yield. The anchor bolts transfer all lateral kinetic energy safely into the concrete earth.

STATE B: THE LOAD-BEARING CANOPY



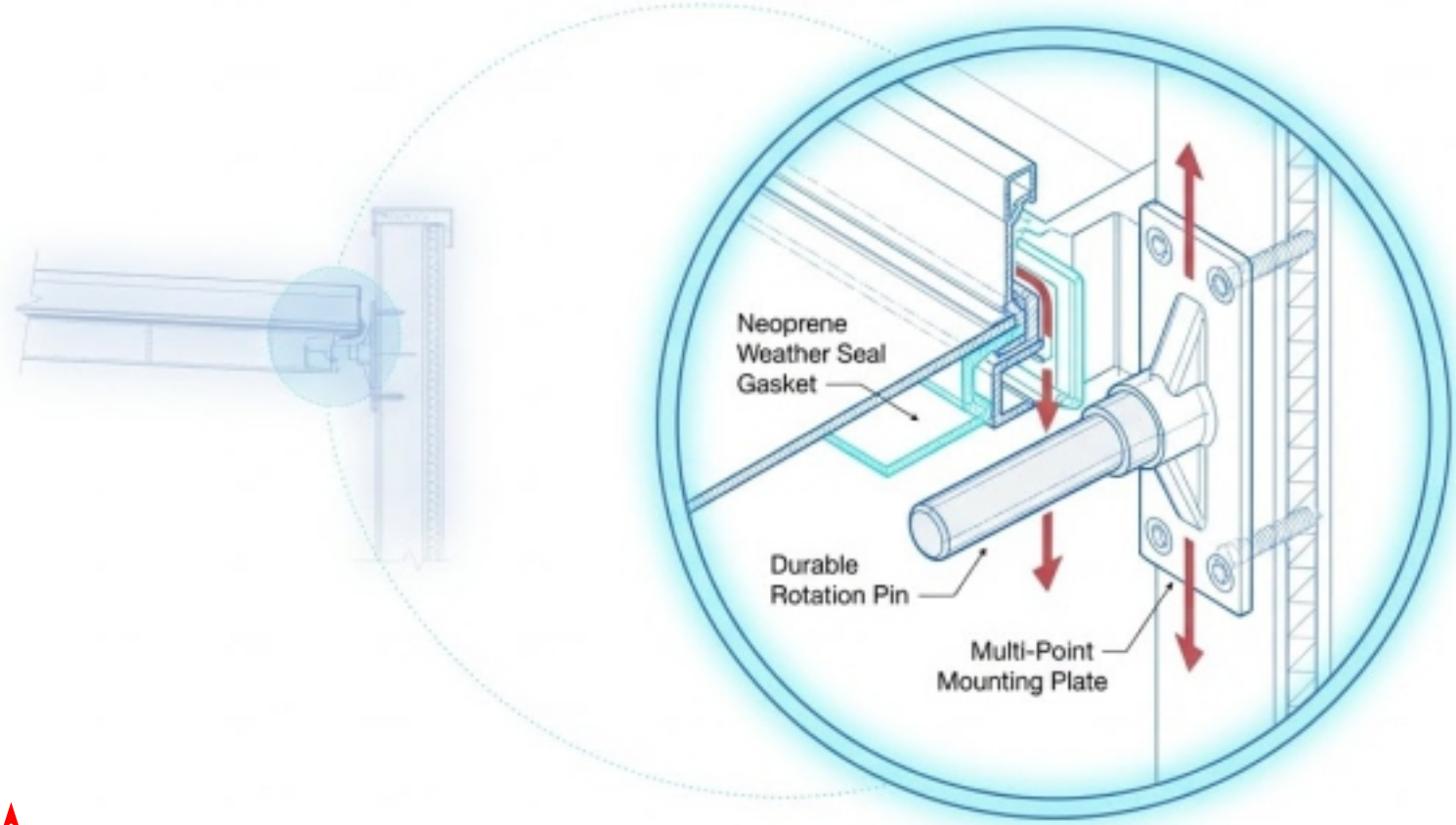
In roof state, flat is a flaw. The engineered 2-to-5-degree pitch ensures active water drainage flow, preventing pooling and entirely mitigating extreme dead loads from severe rain.

MANAGING GRAVITY AND WIND UPLIFT



When horizontal, the primary structural threats shift 90 degrees. The system now acts as a bridge, resisting massive vertical crushing forces while simultaneously fighting aerodynamic lift.

The Crux: Sheer Stress Transfer



The Dual Challenge:
When vertical, this hinge merely guides movement. But when horizontal under a 300 KG/M² snow load, this single pivot point must arrest catastrophic sheer stress.

The Solution:
The reinforced pin joint is constructed from heavy-duty galvanized steel. It physically interlocks, transferring the vertical sheer load directly into the structural wall of the building, completely preventing collapse.

The Dual-State Structural Diagnostic

Dimension	State A: As a Wall	State B: As a Roof
Primary Force Handled	Lateral Wind Impacts	Vertical Gravity (Snow 60 PSF) / Uplift
Active Anchor Point	Tie-Down Latch & Slab Anchor Bolts	Static Eye Cable & Pulley Tension
Hinge Mechanical State	Compression / Guidance	High-Sheer Load Bearing
Core Architectural Function	Thermal Barrier (R-Value Insulation)	Weather Canopy (Sun / Rain Deflection)
Deployment Angle	90 Degrees (Plumb)	2-5 Degrees (Drainage Pitch)

Engineering Uncompromised.

Elegant design is merely the surface. True architectural luxury is absolute structural flexibility.

Within a minute, a sheer wall. Within a minute, an open sky.