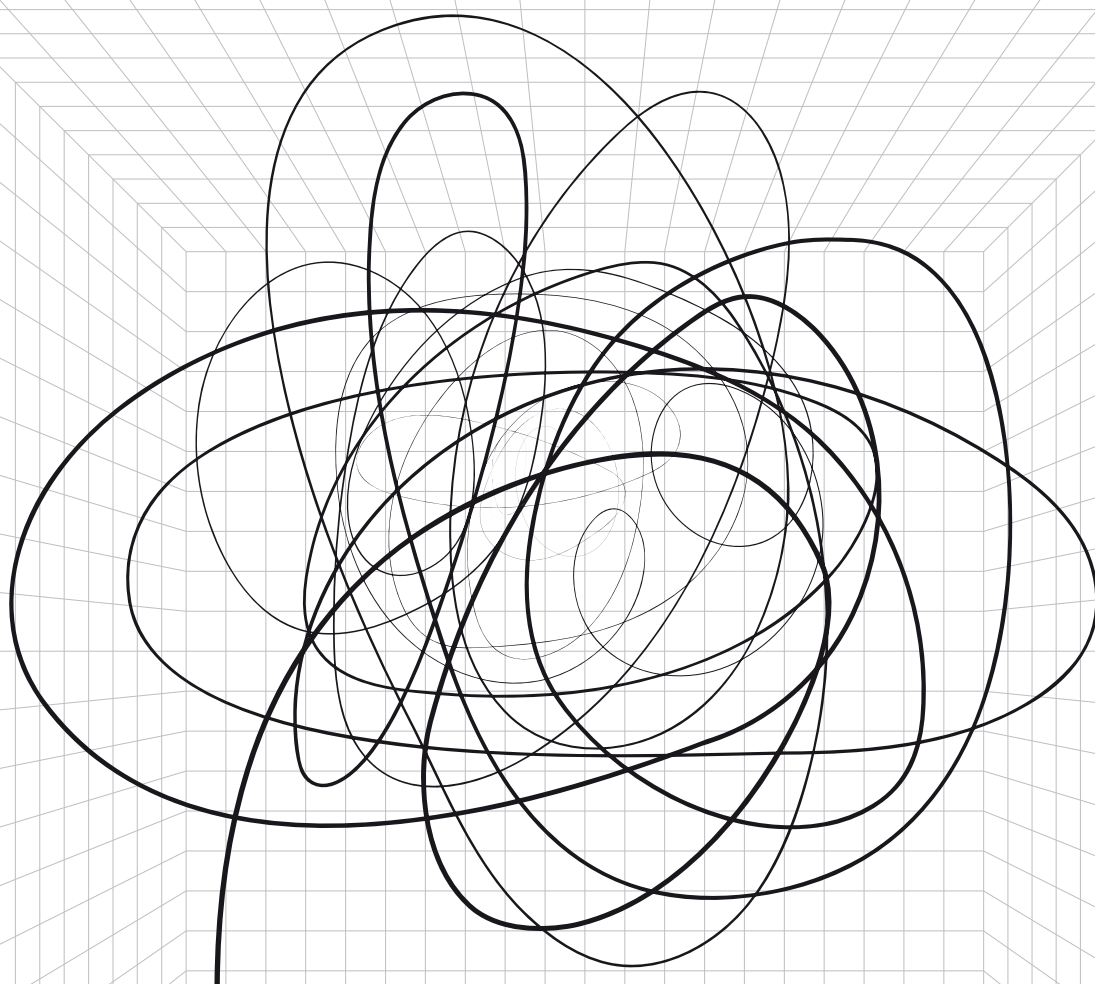


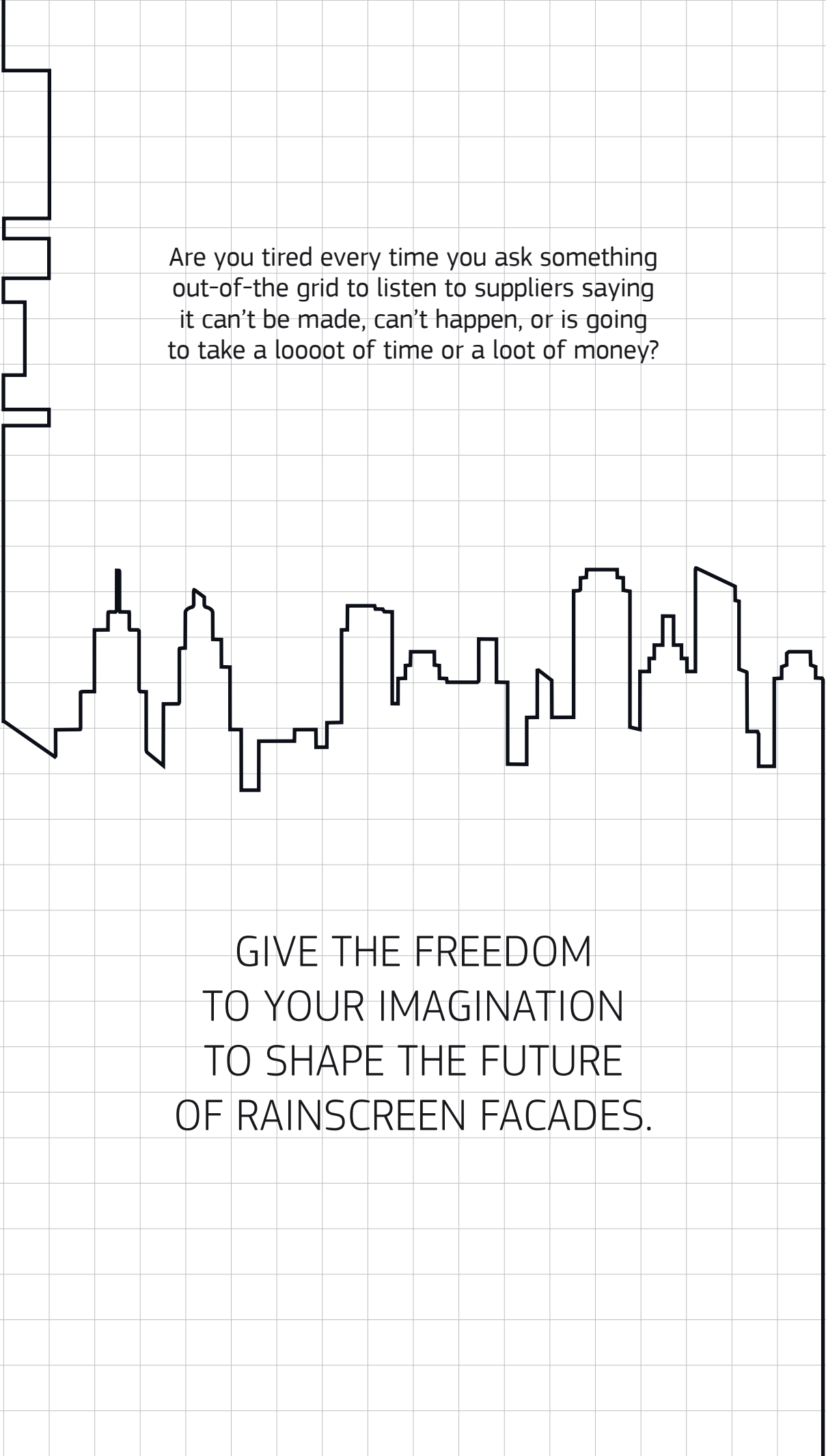
Q-VENT

QV9.5

ALUMINUM
PANEL
SYSTEM



**IMAGINATION
EXTRUDED**



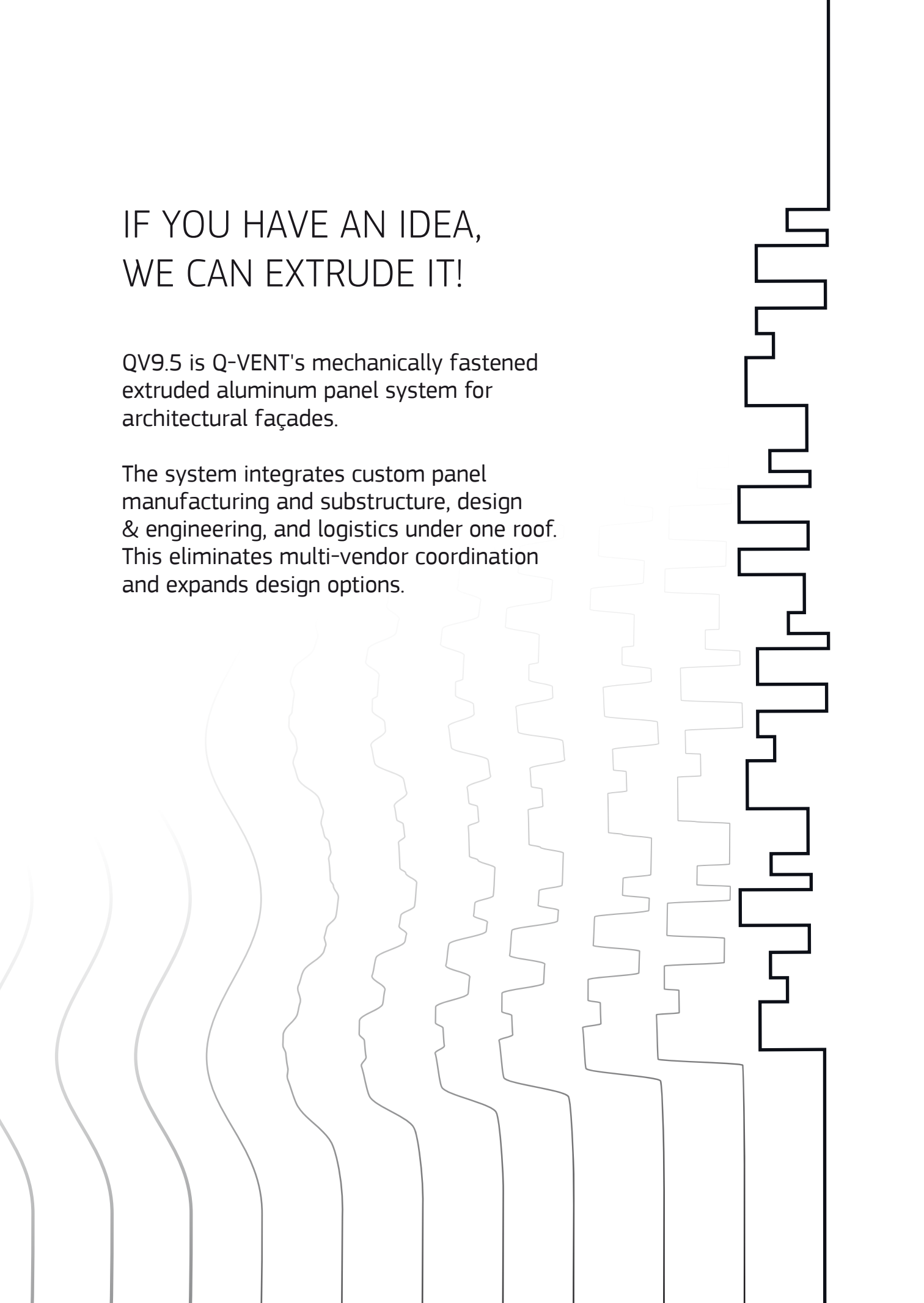
Are you tired every time you ask something
out-of-the grid to listen to suppliers saying
it can't be made, can't happen, or is going
to take a looooot of time or a loot of money?

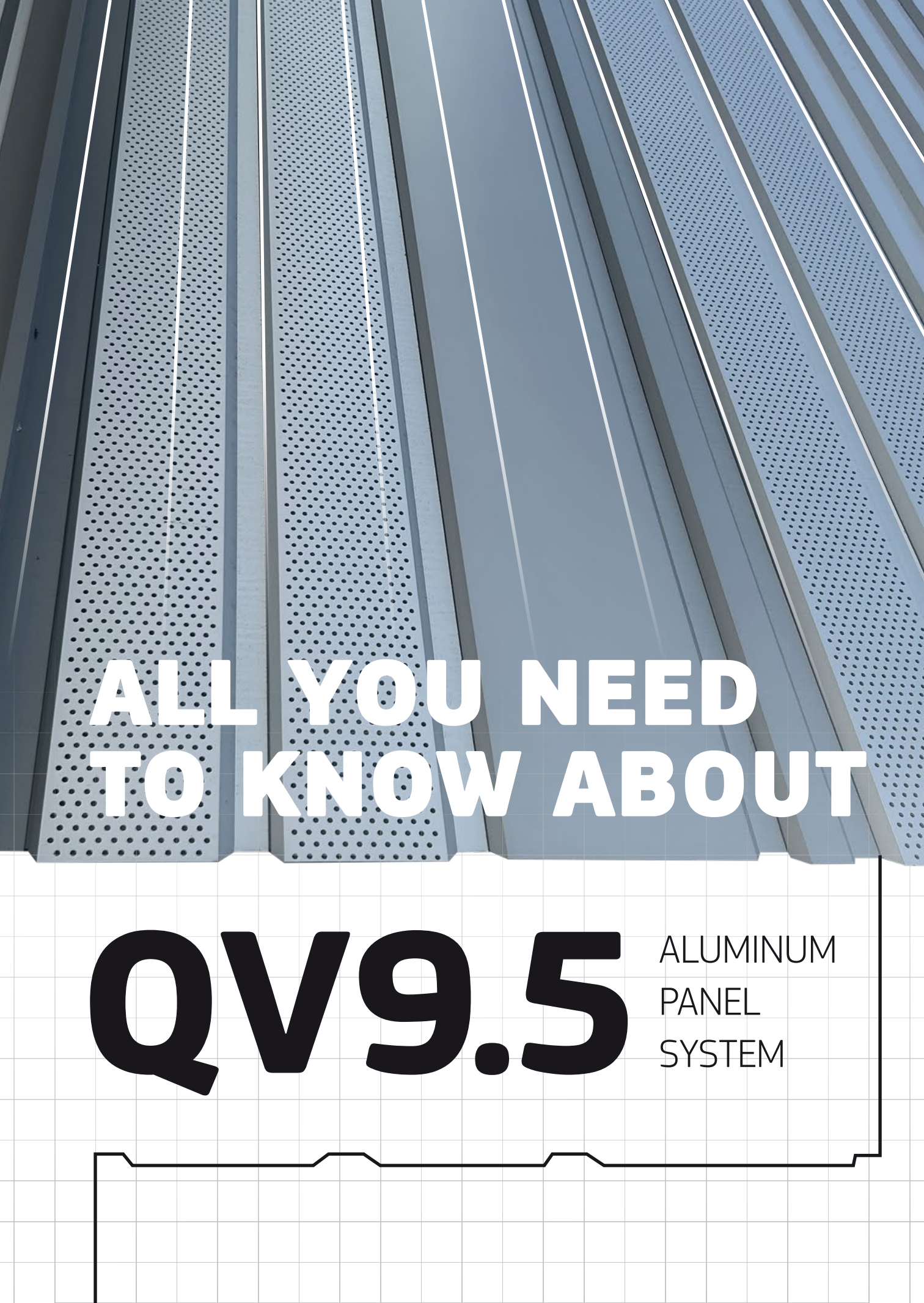
GIVE THE FREEDOM
TO YOUR IMAGINATION
TO SHAPE THE FUTURE
OF RAINSCREEN FACADES.

IF YOU HAVE AN IDEA, WE CAN EXTRUDE IT!

QV9.5 is Q-VENT's mechanically fastened extruded aluminum panel system for architectural façades.

The system integrates custom panel manufacturing and substructure, design & engineering, and logistics under one roof. This eliminates multi-vendor coordination and expands design options.





**ALL YOU NEED
TO KNOW ABOUT**

QV9.5

ALUMINUM
PANEL
SYSTEM

PANELS

The system integrates custom panel manufacturing, surface finishing, and structural calculations under one roof.

SHAPES

Custom extruded aluminum cladding panels
up to 13 3/4" × 19/16" (350 × 40 mm).

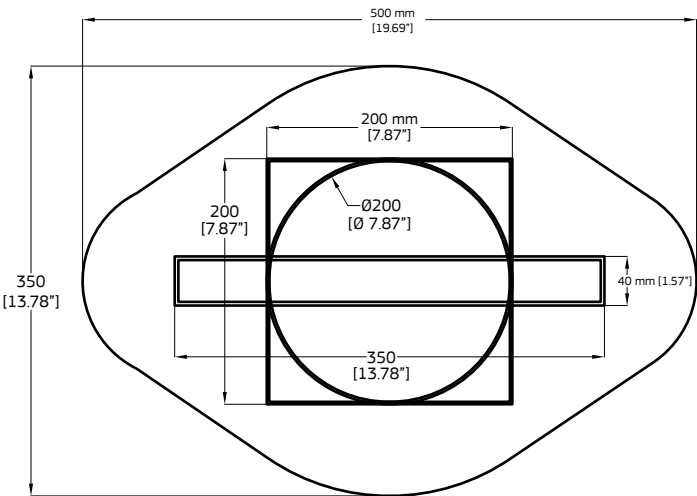
Project-specific **geometry engineered to match** architectural intent, not forced into catalog limitations.

Height and depth are **inversely related**.

CLADDING PANEL GEOMETRY IS PROJECT-SPECIFIC,
NOT CATALOG-DRIVEN.
EACH PROJECT DEFINES PANEL CROSS-SECTION
BASED ON ARCHITECTURAL INTENT.

PANEL TYPE	HEIGHT × DEPTH	MAX LENGTH	NOTES
Standard range	Up to 8 1/4" × 4 3/4" (210 × 120 mm)	26' 3" (8,000 mm)	Best cost-efficiency, meets most architectural requirements
Maximum capacity	39' 4" (12,000 mm)	10-15 years	Maximum dimensions, premium processing

10" Press Ø 263 mm

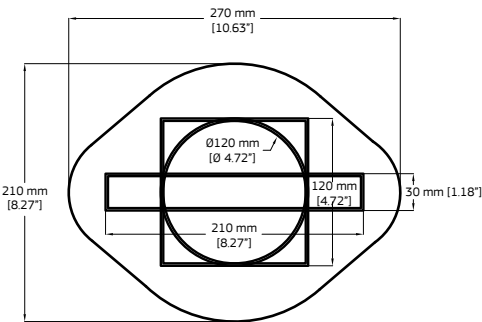


Standard panel length:
19' 8" (6,000 mm)

Height vs. depth trade-off:
Taller panels reduce available depth; deeper panels reduce available height due to extrusion press envelope limitations.

Non-standard dimensions:
Panels with dimensions beyond standard range may require coating equipment with extended capacity, special transportation arrangements, and site access coordination. Consult Q-VENT during design development.

7" Press Ø 185 mm



Material:
All cladding panels extruded in EN AW-6063 T66 aluminum

Lead Time
Custom profile + first production:
4-6 weeks from approved geometry

Subsequent orders:
2-3 weeks (manufacturing setup already complete)

SURFACES

ALL Q-VENT POWDER COATING DELIVERS:

Qualicoat Classes, AAMA standards, anodizing

Full RAL range with service life options from 10 to 30+ years

Zero VOC emissions

100% recyclable overspray

EPD-certified options for LEED projects

We accommodate any Qualicoat-certified coating system when project specifications require particular suppliers.

COATING STANDARD	US STANDARD	SERVICE LIFE	AVAILABLE COLORS & FINISHES
Standard Powder Coating	-	7-10 years	Full ral classic + ral design ranges. smooth, matte, fine texture options.
Super Durable Powder Coating	AAMA 2604	10-15 years	Full ral range + metallic and pearlescent effects.
Extreme Durability Powder Coating	AAMA 2605	25-30 years	Limited colors only: grays, blacks, bronze, silver, white. fluoropolymer chemistry restricts bright colors.
Anodizing	AAMA 611	30+ years	Natural silver, black, bronze only. distinctive metallic appearance, excellent corrosion resistance.

Notes:

Dark colors in hot climates: Consult Q-VENT for aluminum thickness and expansion joint recommendations.

Metallic finishes: Slight color variation between batches. Lead time 3 weeks, MOQ typically 220+ lbs (100+ kg).

Texture selection impacts maintenance: smooth finishes show damage but clean easily, textured finishes hide imperfections but require more frequent cleaning.

Q-VENT accommodates any Qualicoat-certified coating system when project specifications require particular suppliers.

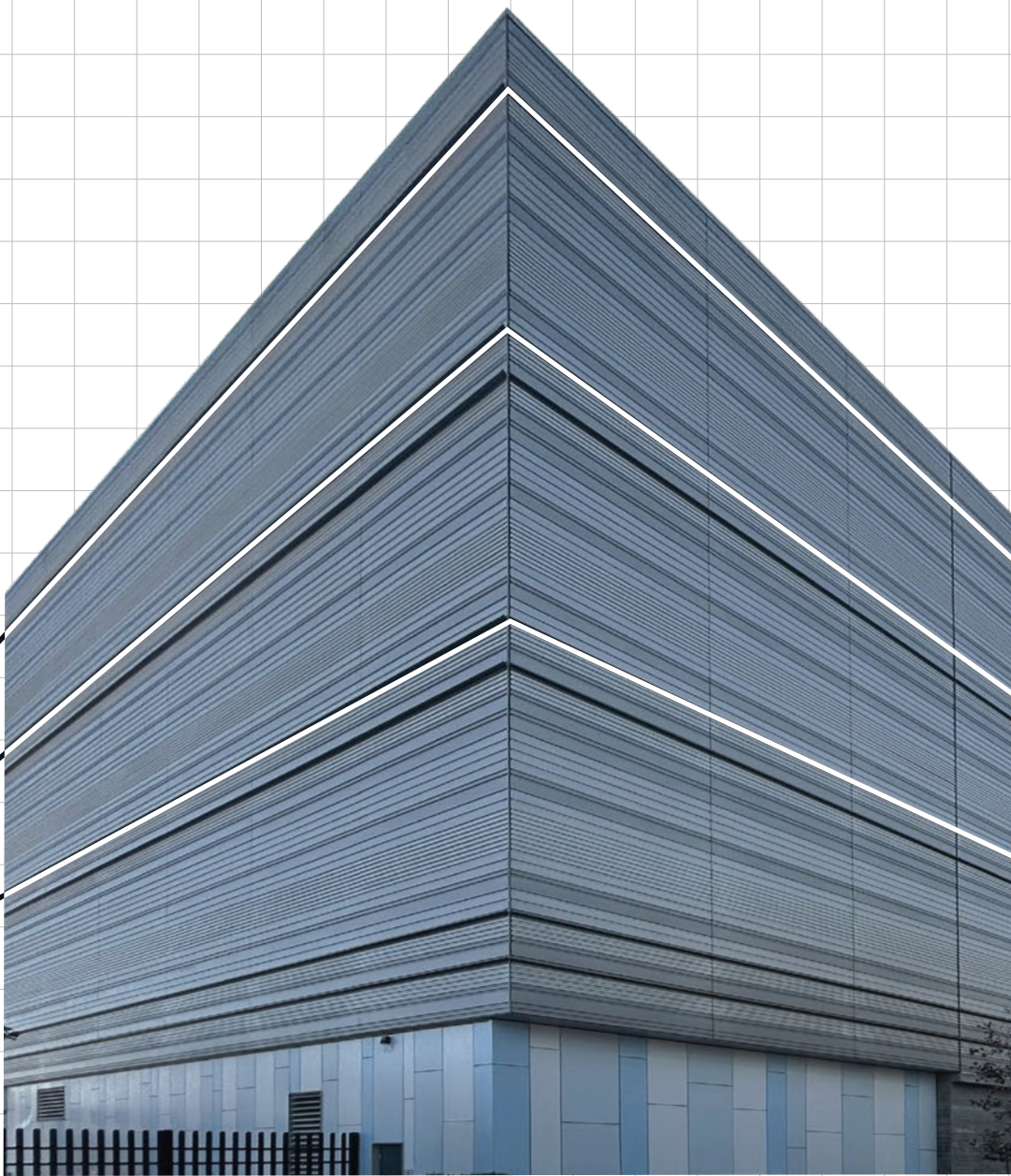
Samples:

Physical samples (4"x6" / 100x150 mm) available in 2-3 weeks. Full-size mock-up panels in actual profile geometry available in 4-6 weeks. Contact Q-VENT with coating class, color, and texture requirements.

ATTACHMENT SYSTEM

Fixed/sliding clip system allows independent panel movement, accommodating thermal expansion without stress accumulation.

Adapts to horizontal or vertical orientation, solid or framed construction.

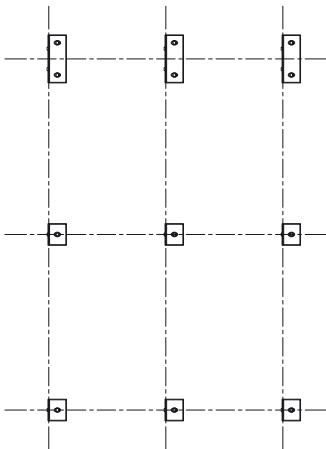


THREE-STEP INSTALLATION

Mount brackets to substrate, attach profiles to brackets, clip panels to profiles. The system works with any substrate—concrete, masonry, steel stud, or timber—in horizontal or vertical orientation.

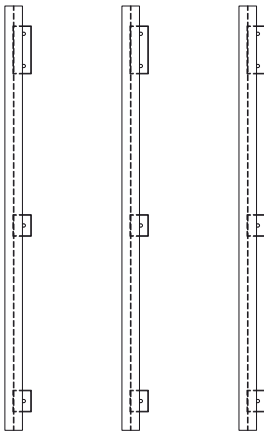
STEP 1:
POSITION & SECURE BRACKETS

- Align brackets per shop drawings
- Secure to substrate with specified fasteners



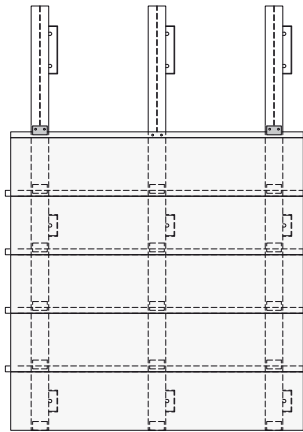
STEP 2:
INSTALL VERTICAL PROFILES

- Insert profiles into brackets
- Adjust cavity depth (min 3/4" / 20 mm overlap)
- Fix at specified points (one fixed, remainder sliding)



STEP 3:
ATTACH PANELS VIA CLIPS

- Install starter clip
- Engage first panel onto clips
- Install mid clips (sliding) and fixing clip (one fixed point per panel)
- Repeat for each subsequent panel in the run
- Complete run with end clip



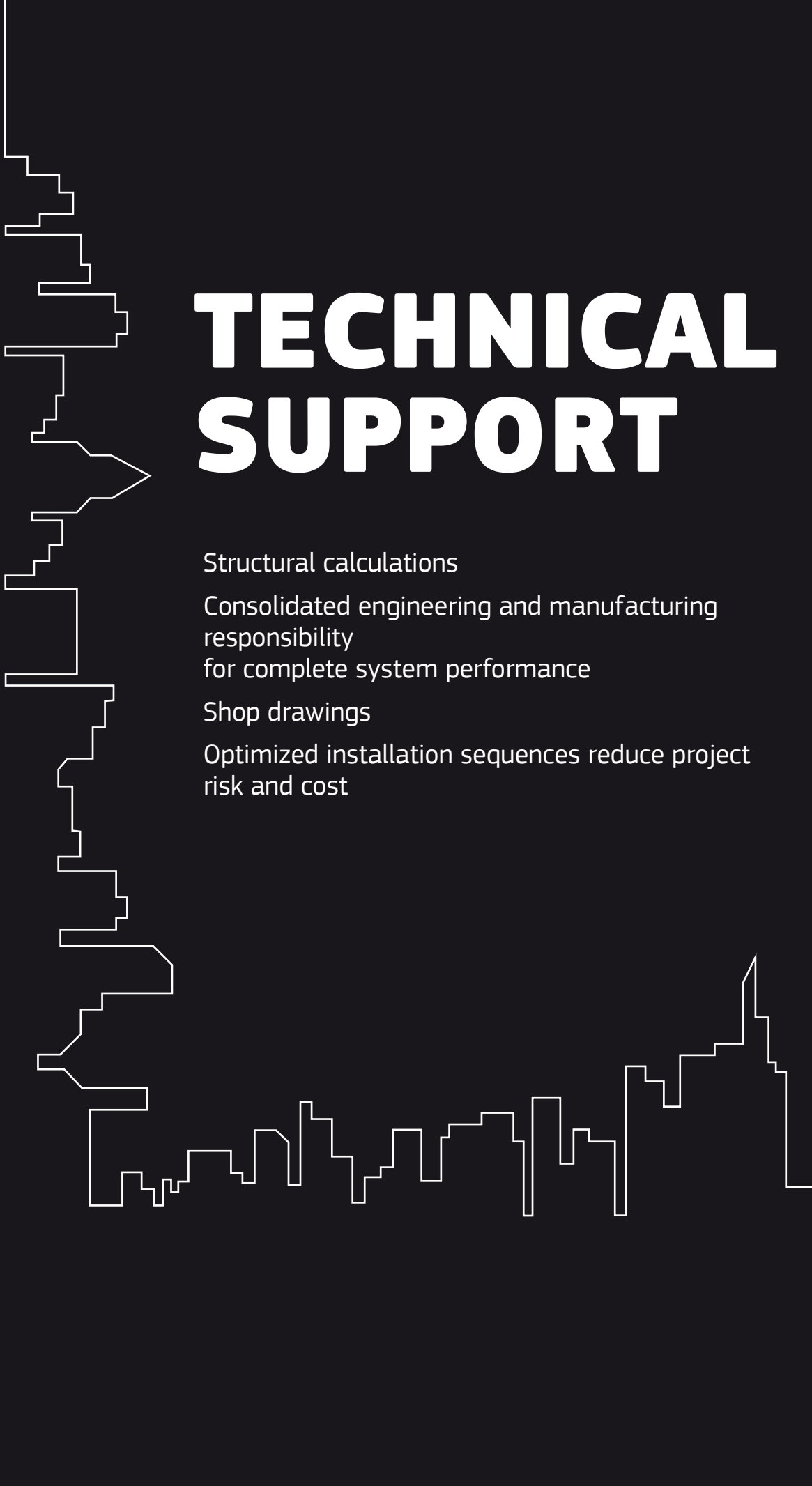
INSTALLATION CONFIGURATIONS

The QV9.5 system adapts to different panel orientations and substrate conditions through modular substructure configurations:

PANEL ORIENTATION	INSTALLATION SEQUENCE
Horizontal	Bracket to substrate → Vertical profile to bracket → Panels to vertical profile via clips
Vertical	Bracket to substrate → Vertical profile to bracket → Horizontal profile to vertical → Ppanels to horizontal profile via clips
Vertical	HAT/J/Z profiles direct to substrate → Panels to profiles via clips
Vertical	QHB bracket to substrate → L profile to bracket → Panels to L profile via clips

Universal compatibility:

Any substrate (concrete, masonry, steel stud, timber). Same clip-based attachment logic with fixed/sliding support points.



TECHNICAL SUPPORT

Structural calculations

Consolidated engineering and manufacturing
responsibility
for complete system performance

Shop drawings

Optimized installation sequences reduce project
risk and cost

SUSTAINABLE BY DESIGN

Building façades last decades. Q-VENT systems are engineered for long service life with minimal environmental impact - from material selection through end-of-life recovery.

ALUMINUM: INFINITE RECYCLABILITY

75% of all aluminum ever produced remains in use today. Aluminum recycles infinitely without quality degradation, and recycling requires 95% less energy than primary production.

EN AW-6063 T6 aluminum: 100% recyclable
Closed-loop material recovery at end of service life
No quality loss through recycling cycles
Scrap aluminum maintains full material value

POWDER COATING: ZERO EMISSIONS

All Q-VENT powder coating delivers environmental performance that liquid coatings cannot match:

Zero VOC emissions during application
100% recyclable overspray - unused powder returns to production
No hazardous waste generation in coating process
EPD-certified options (Qualicoat Class 2 & 3) for LEED documentation

NON-COMBUSTIBLE SYSTEM

NFPA 285 compliant façade assembly
A1 fire classification per EN 13501-1
Aluminum panel construction with mechanical fastening
EPDM gaskets used for vibration dampening (minimal quantity, non-structural)

DURABILITY = SUSTAINABILITY

The most sustainable building material is the one that doesn't need replacement. Coating service life:

Qualicoat Class 2 / AAMA 2604: 10-15 years
Qualicoat Class 3 / AAMA 2605: 25-30 years
Anodizing: 30+ years

LEED CONTRIBUTION POTENTIAL

Q-VENT systems can contribute to multiple LEED v4.1 credit categories:

MATERIALS & RESOURCES:

EPD-certified powder coating options
Recycled aluminum content documentation available
Material ingredient disclosure

INDOOR ENVIRONMENTAL QUALITY:

Zero-VOC powder coating (no off-gassing)

INNOVATION:

Extended service life design (25-30 year coating performance)
End-of-life material recovery planning

Consult your LEED AP or sustainability consultant for project-specific credit applicability.



Q-VENT

ANYTHING YOU NEED TO ASK

qvsales@q-vent.eu
q-vent.com/facades

