

SKYWALL FTS 4.0

A WALL OF LIGHT.

DÖPFNER
WOOD ALUMINUM EXPERTISE
WINDOWS · FRONT DOORS · FACADES



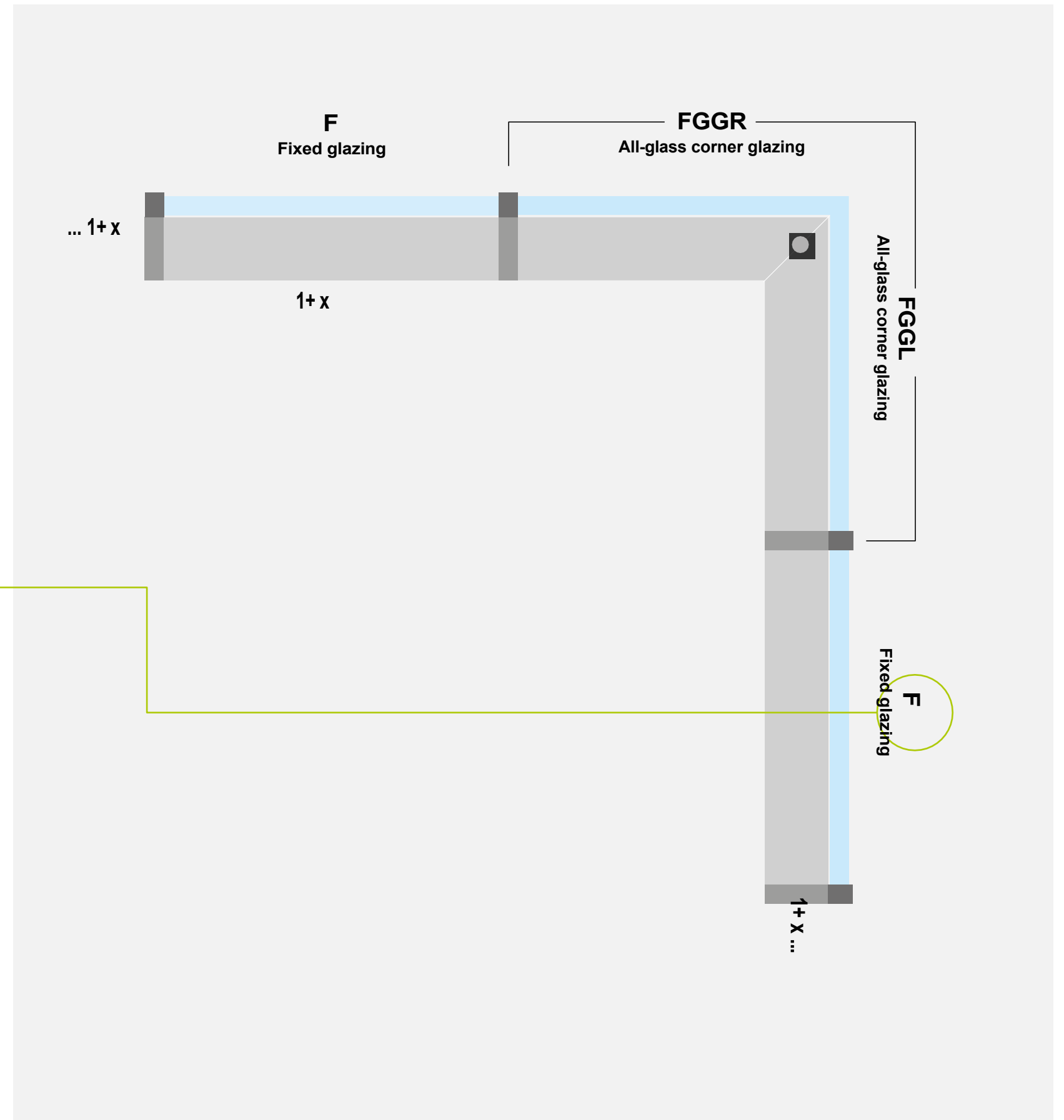
SKYWALL FTS 4.0	
Construction	<p>Skywall FTS 4.0: Mullion-transom construction - enables single-storey façade construction with any combination of sliding elements, tilt and turn windows, front doors, fixed parts and corner glazing in wood-aluminum. Mullion depth 206 mm. Internal face width 60 mm. Skywall FTS 4.0 sliding elements: Threshold construction with 0 mm accessibility. Integrated drainage grate in the passageway. Floor-to-ceiling glazing. Face width of the frame 60 mm. Sash with milled sash profile inside type 3 (90° cheek straight).</p> <p>Skywall FTS 4.0 fixed glazing: 4-sided in mullion-transom construction (with pressure strip cover shell system). Optionally with threshold construction as height compensation for the sliding units.</p> <p>Skywall FTS 4.0 slide-in elements: D/DK windows or D/DK doors can be integrated into a mullion-transom construction. The following systems are available with conservatory profile (clamping profile): PREMIUM SLIM 1, 3, CONTUR 2 and 3. Floor-to-ceiling units can be installed both at glass level and flush with the frame lining on the inside.</p>
Wood species	<p>Standard: Spruce Surcharge: European larch or oak. Sashes glued together with continuous top layers. Bottom rail wood always in oak. Mullions and transoms: DÖPFNER glulam, all layers are finger-jointed. Top layer with finger-jointing, greater than 50 cm. Execution of the timber surfaces in "visible quality" (in accordance with VOB ATV DIN 18334).</p>
Wooden surface	<p>3-layer structure Ligno Garant: Innovative, highly transparent coating technology for softwood windows and doors with outstanding ageing resistance. The combination of highly effective UV filters and lignin stabilizing additives slows down wood ageing many times over (wood does not turn grey, no maintenance coating necessary, coating does not flake off). For windows with an AQUAWOOD LIGNO+ surface, we can offer - for the first time with virtually colorless surface coatings - a 5-year durability guarantee (taking into account the necessary Döpfner guidelines - see current Döpfner color chart issue 4, as well as on www.doepfner.de).</p>
Aluminum	<p>Aluminum construction of the moving parts: Optimally rear-ventilated and thermally separated. Installation with turn-clip brackets. Welded corner joints as standard (up to a maximum size of 2.4 x 4.5 m). In addition, aluminum corners are plugged and glued.</p> <p>Aluminum construction of the fixed panels: Mullion and transom system (with pressure strip cover shell system). Mullion cover shells depth 15 mm. Transom cover shells 13 mm. Lining profile for sliding elements and inward-set slide-in elements in the passage 2-part, with extruded profile. Corner connection with aluminum corner bracket to be installed on site.</p>
Aluminum surface	<p>All Döpfner premium powder compartments in highly weatherproof design. Wood finish, anodized, RAL colors on request.</p>

Glazing	<p>German brand insulating glass, Ug value 0.6 W/m²K. Dry pressure glazing in black inside and outside. All insulating glazing with warm edge and black spacer bar.</p>
Gasket	<p>Skywall FTS 4.0 sliding elements: Sealing rail DS28/48/28 at the top and hinge side with hollow chamber silicone seal and sealing pad - for optimum sealing and thermal separation (fixing invisibly covered). Foamed and hollow-chamber silicone seals on the gearbox side and at the bottom of the sash. Skywall FTS 4.0 slide-in elements: Two circumferential sealing levels, center seal and overlap seal (20 mm) on the sash, and a 3-sided sealing level between the aluminum shell and the wooden part.</p>
Connections	<p>Skywall FTS 4.0 sliding elements: Threshold construction with 0 mm accessibility Integrated drainage grate in the passageway. Drainage devices, structural connections and fastenings adjacent to the element must be planned on site. Aluminum cladding and brackets must be ordered separately. Skywall FTS 4.0 fixed glazing: Drainage devices, structural connections and fastenings adjacent to the element must be planned by the customer. Aluminum cladding and brackets must be ordered separately. All doublings at the bottom must be taken into account on site.</p>
Drainage	<p>Skywall FTS 4.0 sliding elements: Drainage takes place via the threshold of the lift and slide door. Skywall FTS 4.0 fixed glazing: With fixed glazing, drainage takes place via the sealing system in the transom, where drainage slots are also milled. Skywall FTS 4.0 slide-in elements: Tilt&turn windows are drained via the rainwater rail.</p>
Fitting	<p>Skywall FTS 4.0 sliding elements: HS400 compact trolley (load capacity up to 400 kg), pendulum bearing load distribution on 8 rollers for feather-light sliding movement and minimum wear. Concealed integrated top guide rail and concealed stop bracket. Optionally with SoftOpen or SoftClose functionality. Forend side with attractive stainless steel design cover for the sliding sash fitting grooves. Concealed sash stopper. Standard with 4-point bolt locking. Optionally with 2-point hook locking. Sliding sash with integrated back check. Skywall FTS 4.0 slide-in elements: Concealed one-hand turn/tilt hardware, Maco VIMATIC 3D, sash weight for rectangular sashes up to 100 kg. Product liability only applies to windows and double-hung sashes if the sash sizes, sash weight and sash aspect ratios are within the tolerance range of the hardware manufacturer.</p>
Handles	<p>Skywall FTS 4.0 sliding elements: Manufactured by Siegenia in the surface colors EV1 White Titanium for lever. Including matching handle shell on the outside (like the surface of the sash shell). Skywall FTS 4.0 slide-in elements: Made by Maco in the surface colors bronze White Titan EV1. With constant handle fit.</p>

SKYWALL COMPENDIUM

Order codes and Explanation of terms

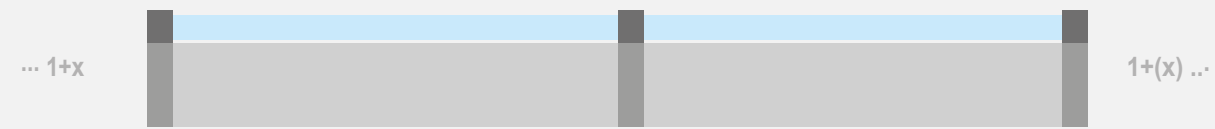
DEFINITIONS	
DESCRIPTION	ABBREVIATION
Sliding sash is LEFT or RIGHT	A C K - L or R
Threshold solution	HS
FIXED PANEL WITH FIXED GLAZING	F
Number of fixed fields (customer specification)	1+x
WHOLE GLASS COVER LEFT or RIGHT	GGL GGR
Coupling with "narrow post"	KPL GGR
Coupling WITHOUT POSTS LEFT or RIGHT	KL KR
POST / POST	P P



SKYWALL COMPENDIUM

HST schemes for Skywall systems

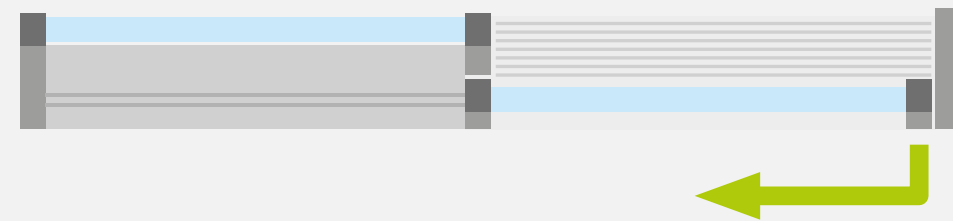
Fixed glazing panels



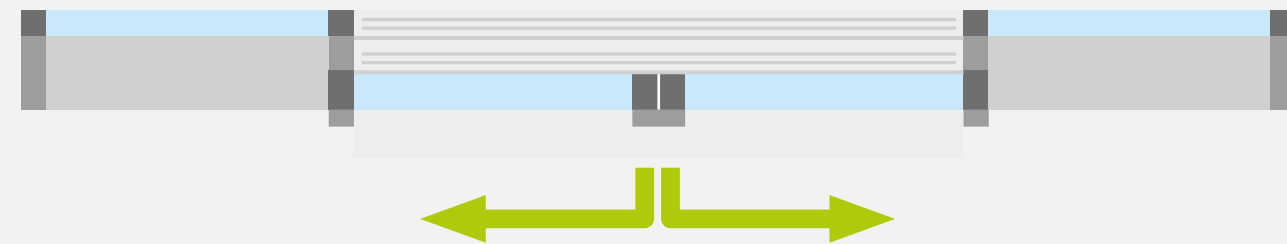
Scheme A left



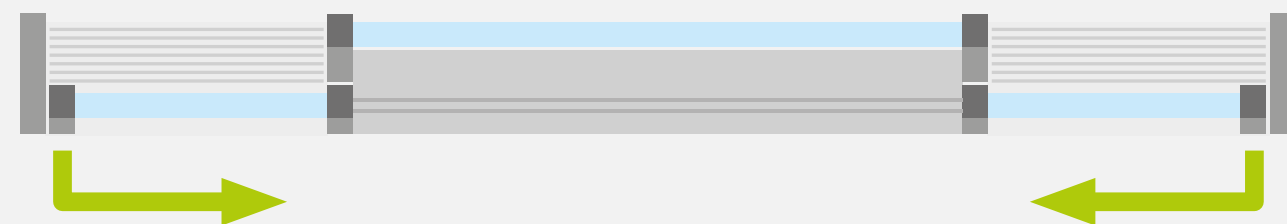
Scheme A right



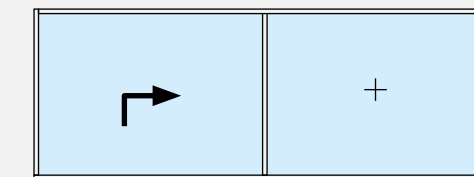
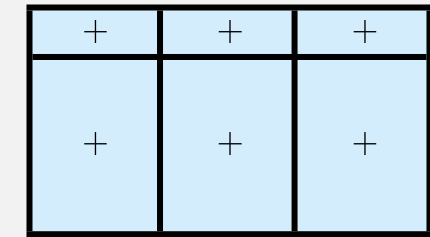
Scheme C



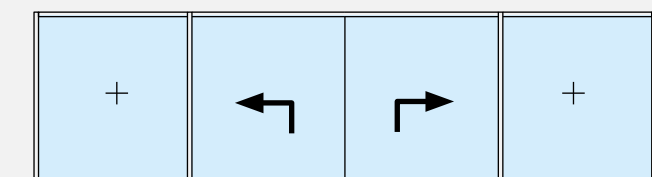
Scheme K



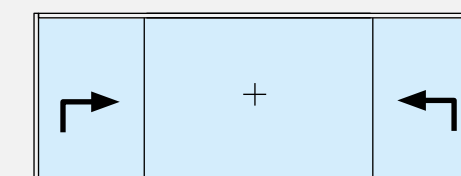
Fixed glazing



Scheme A left or right



Scheme C



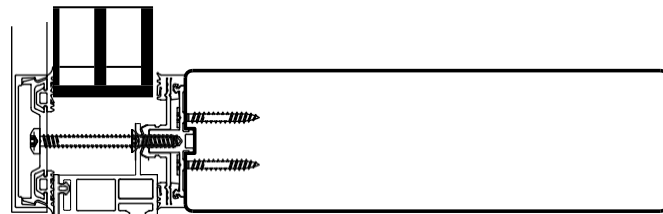
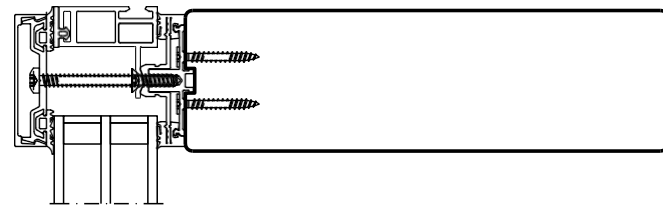
Scheme K

Fixed field

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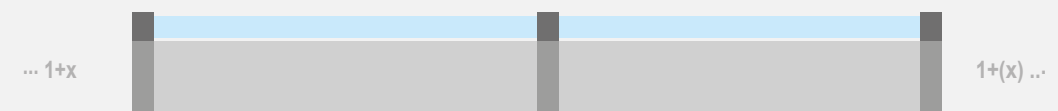
Fixed field

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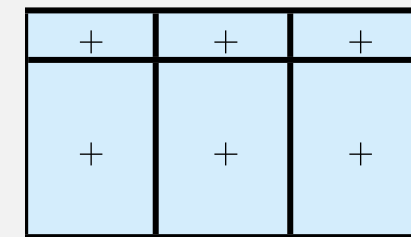


H 1

Fixed glazing panels

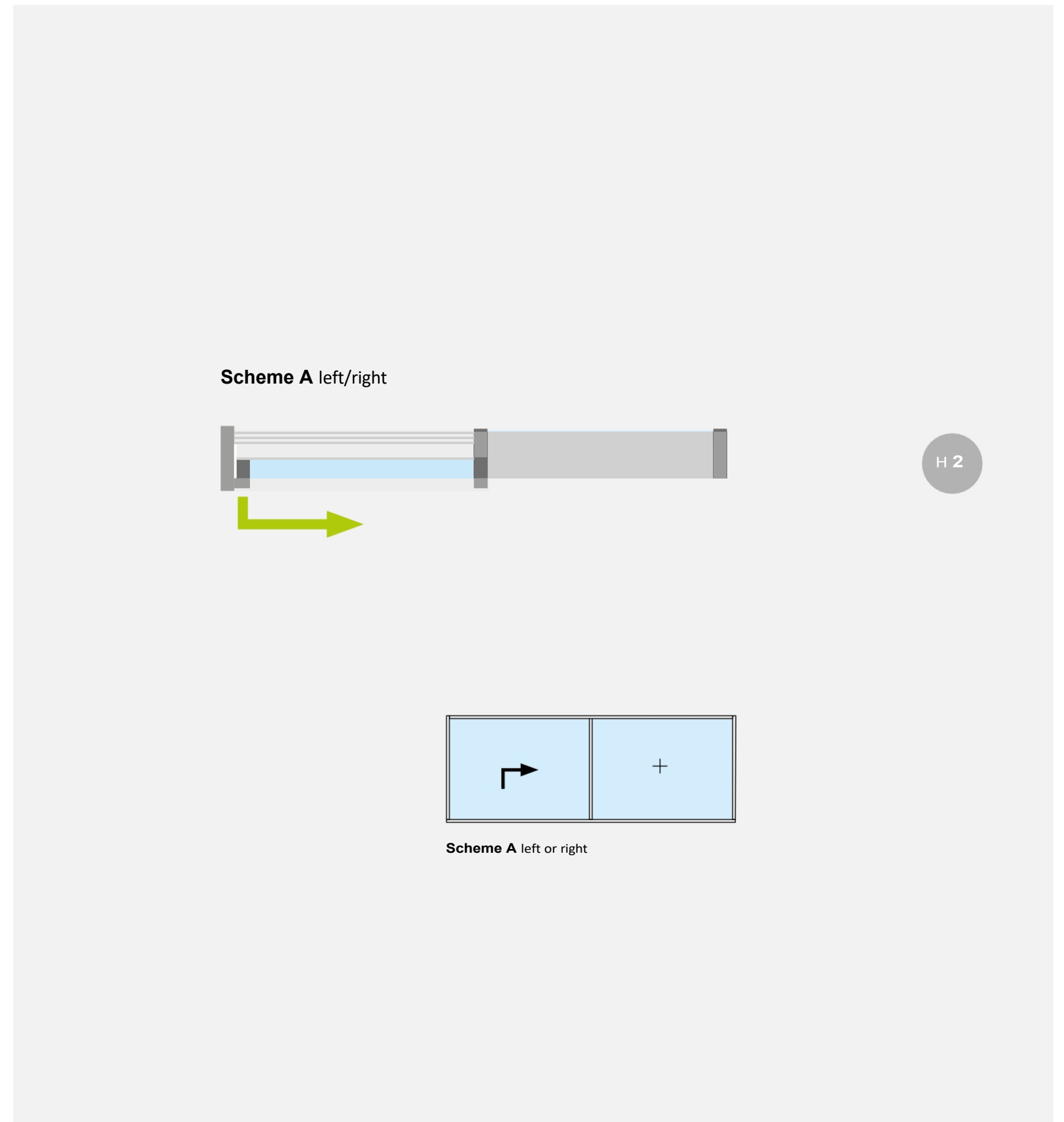
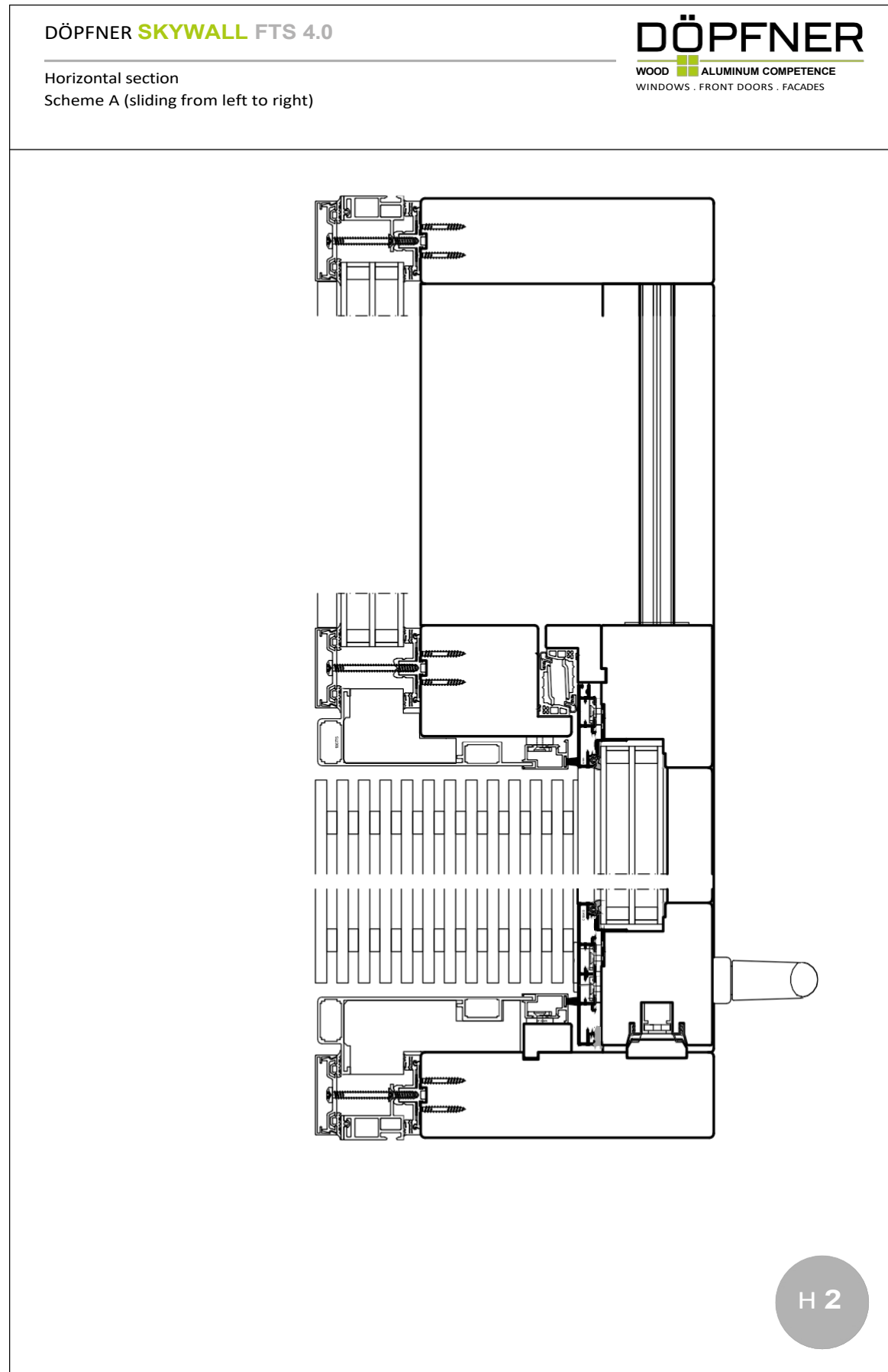


Fixed glazing



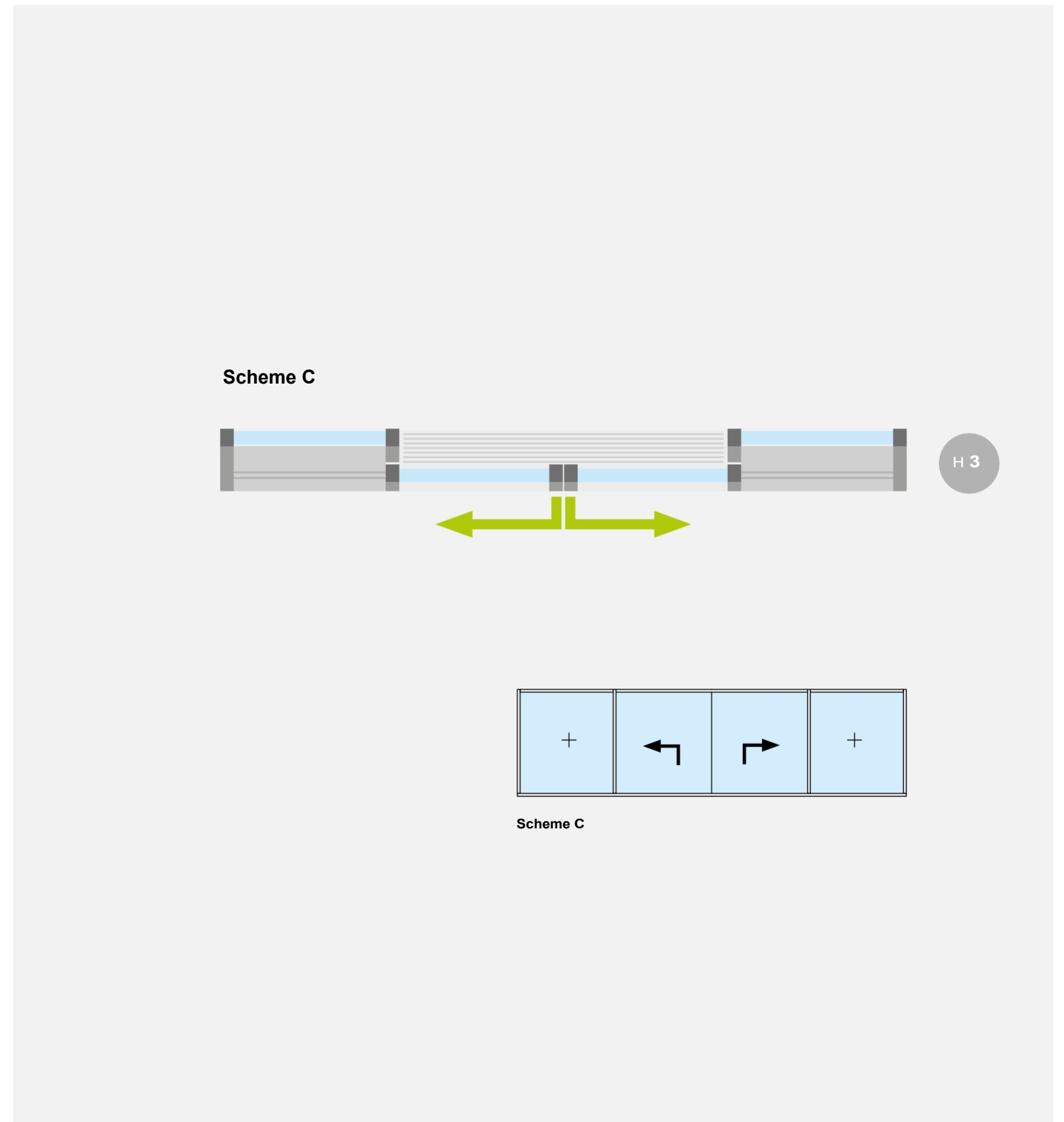
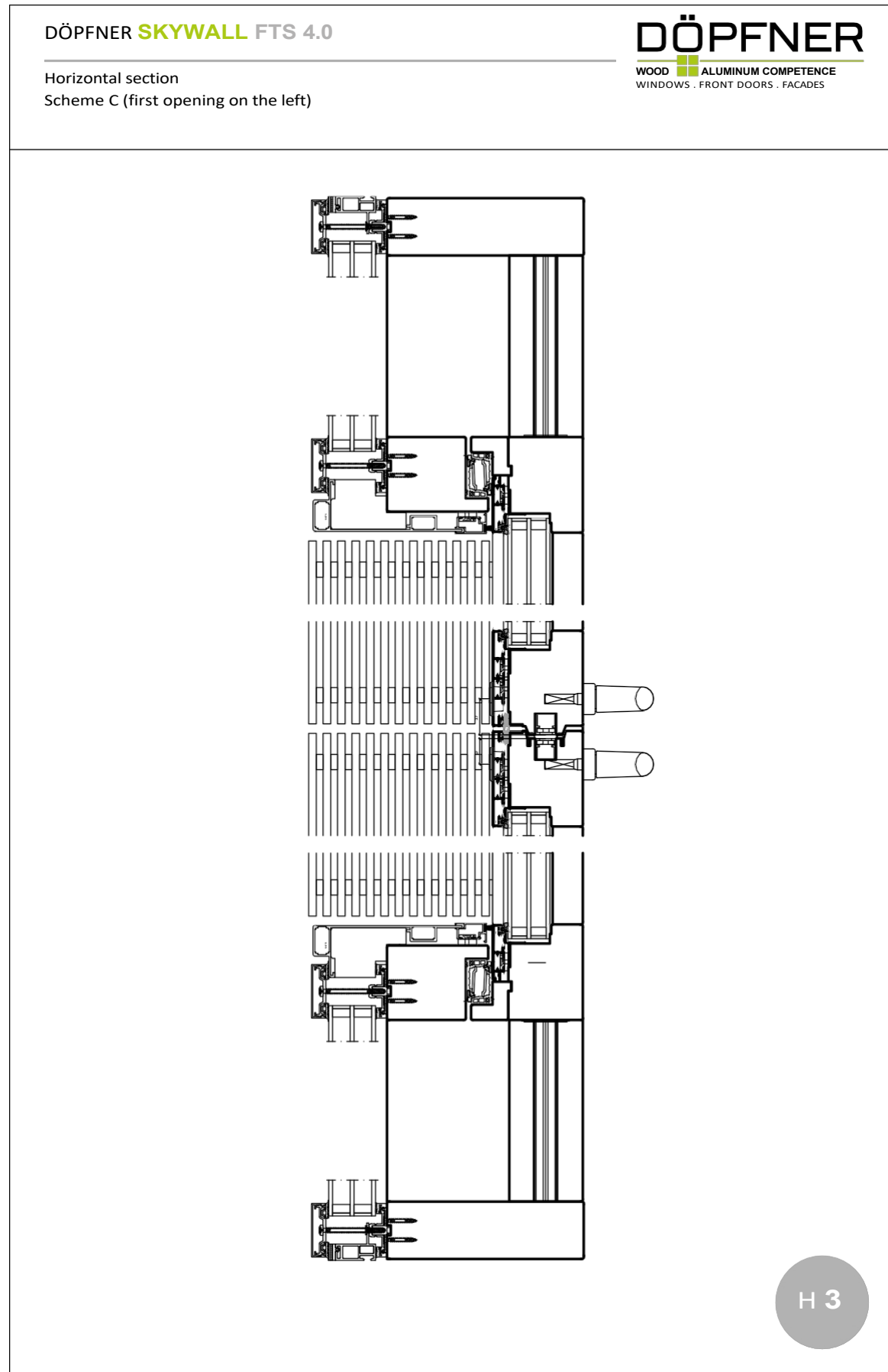
SKYWALL COMPENDIUM

Scheme A (sliding from left to right)



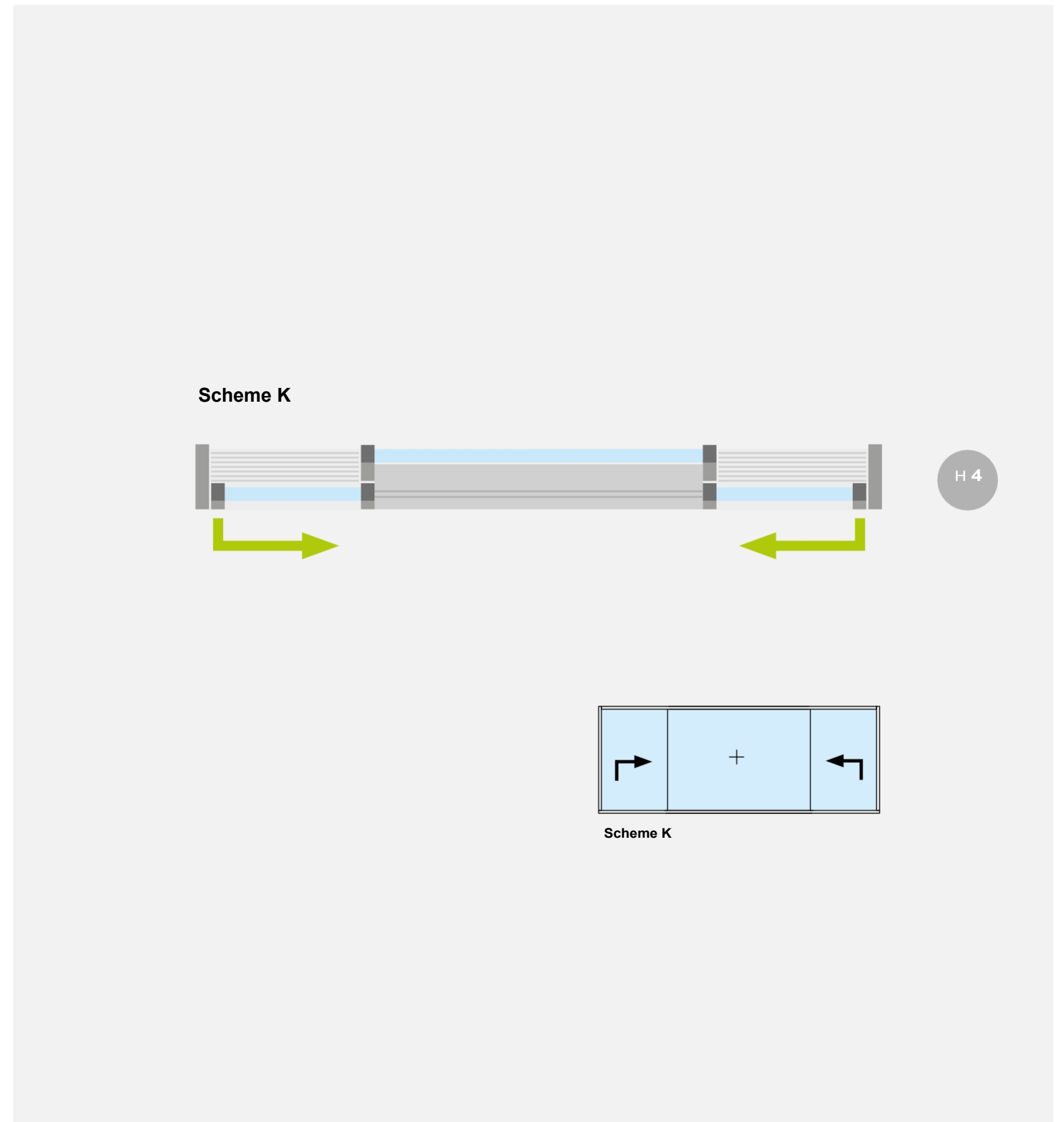
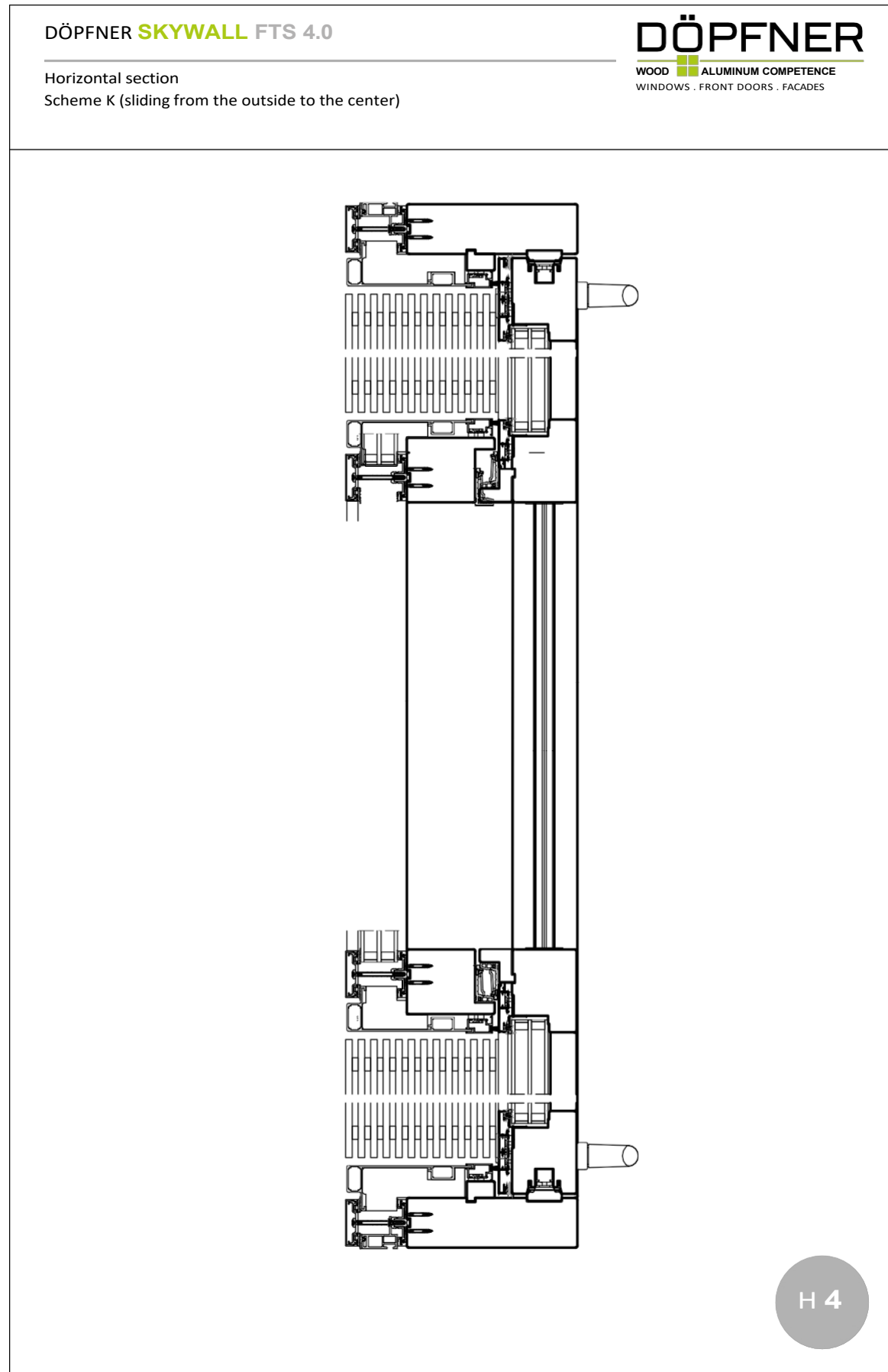
SKYWALL COMPENDIUM

Scheme C (first opening on the left)



SKYWALL COMPENDIUM

Scheme K (sliding from the outside to the center)



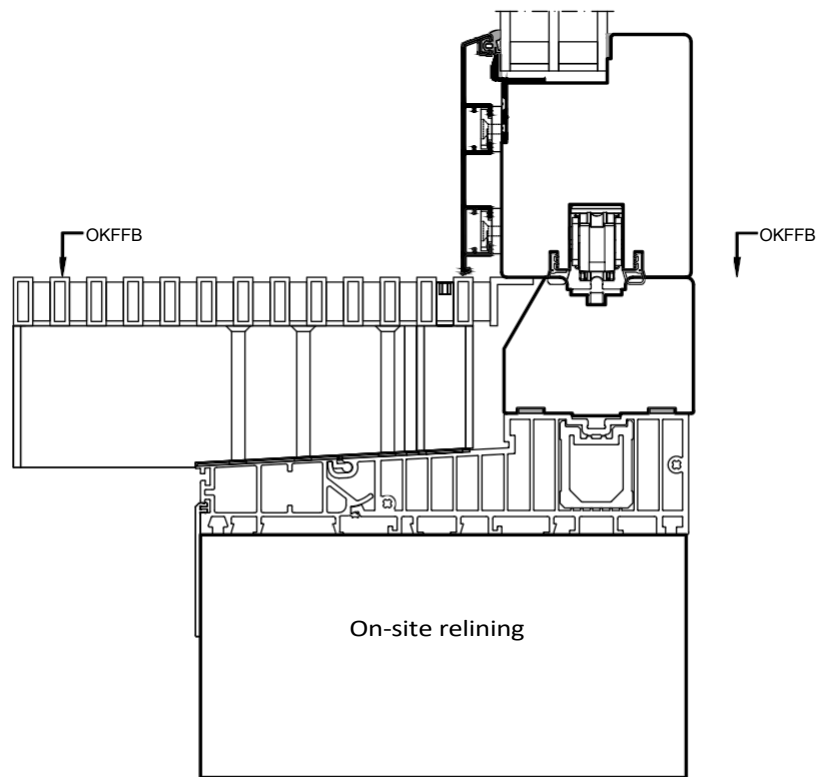
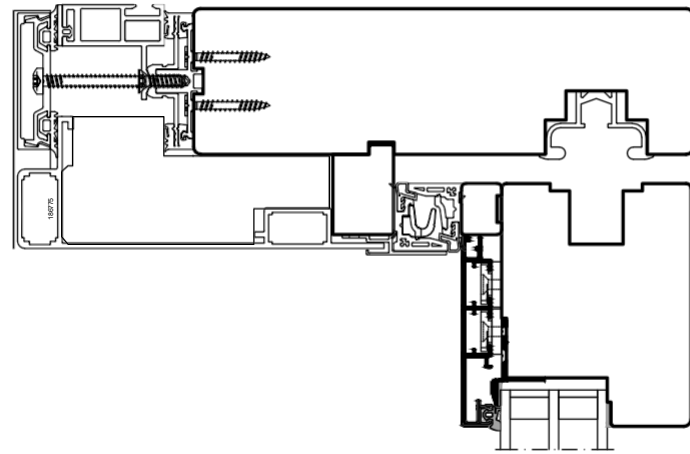
SKYWALL COMPENDIUM

Passage HST 4.0 with grating (grating only in lining depth)

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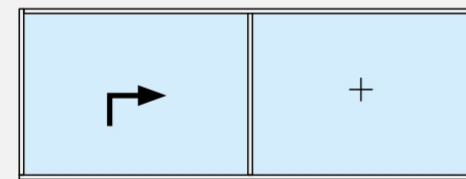
Vertical section
Passage HST 4.0 with grating (grating only in lining depth)

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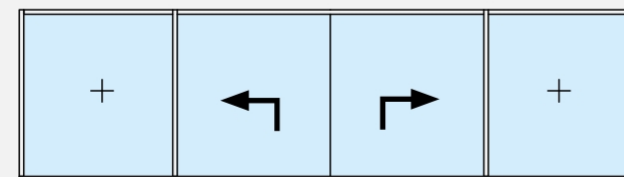


V 1

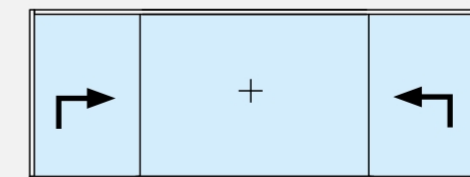
Scheme A | left/right | C | K



Scheme A left or right



Scheme C



Scheme K

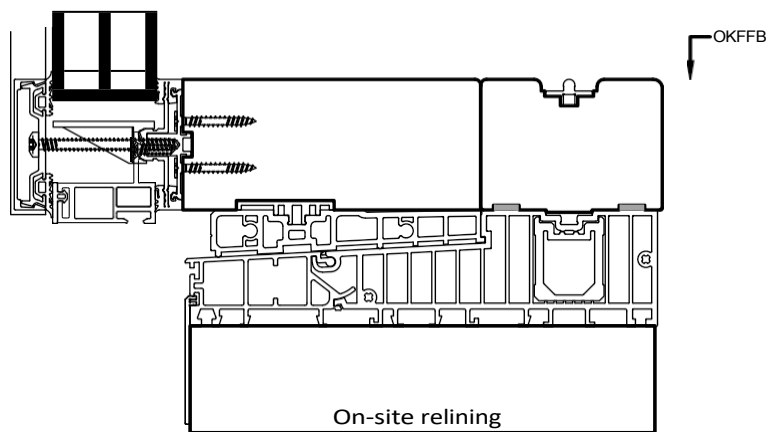
SKYWALL COMPENDIUM

Fixed part HST 4.0

DÖPFNER SKYWALL FTS 4.0

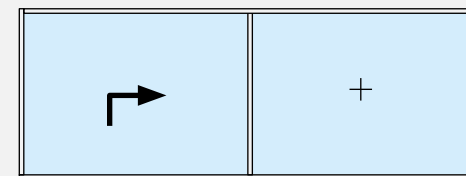
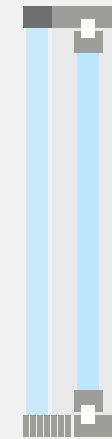
Vertical section fixed
part HST 4.0 fixed
glazing

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WOOD ALUMINUM COMPETENCE
WINDOWS . FRONT DOORS . FACADES

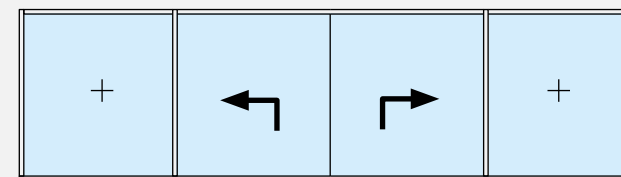


V 2

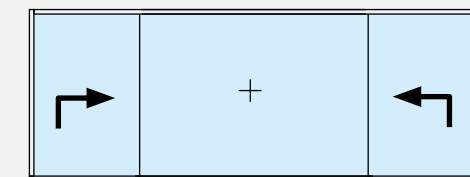
Scheme A | left/right | C | K



Scheme A left or right



Scheme C



Scheme K

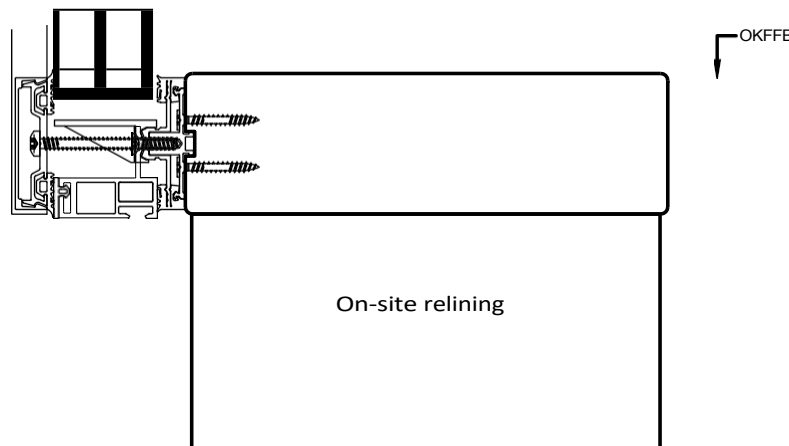
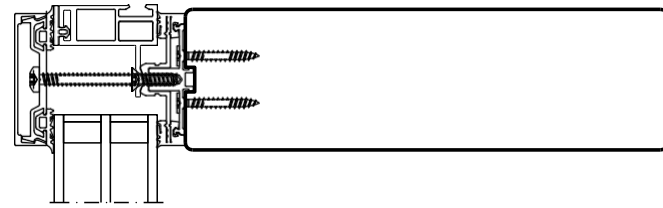
SKYWALL COMPENDIUM

Fixed part HST 4.0 (chuck depth 206 mm)

DÖPFNER SKYWALL FTS 4.0

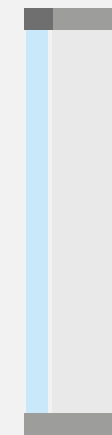
Vertical section fixed
part 4.0
Chuck depth 206 mm

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WINDOWS . FRONT DOORS . FACADES



V 3

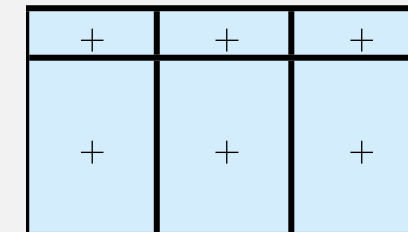
Fixed glazing panels



V 3

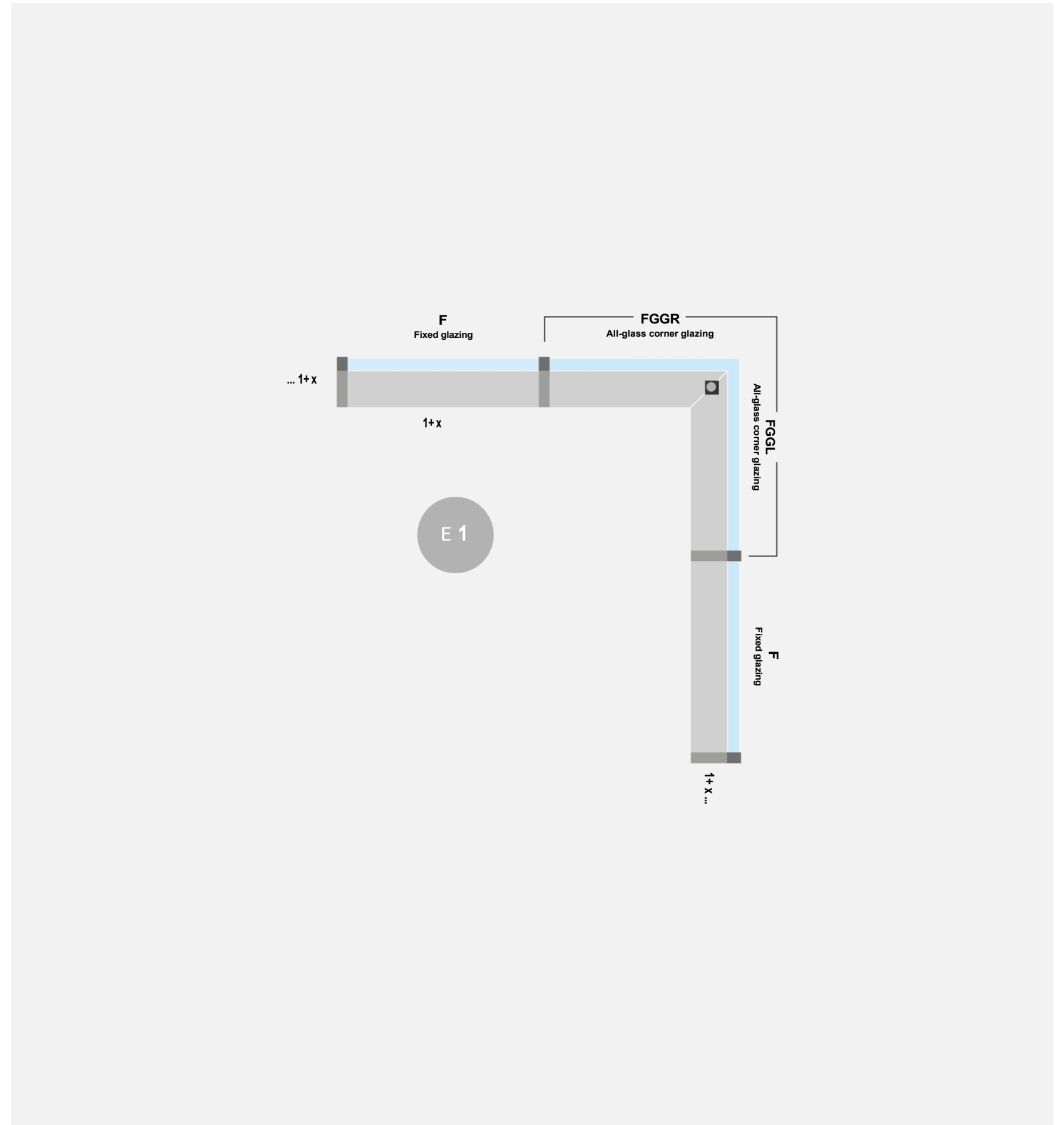
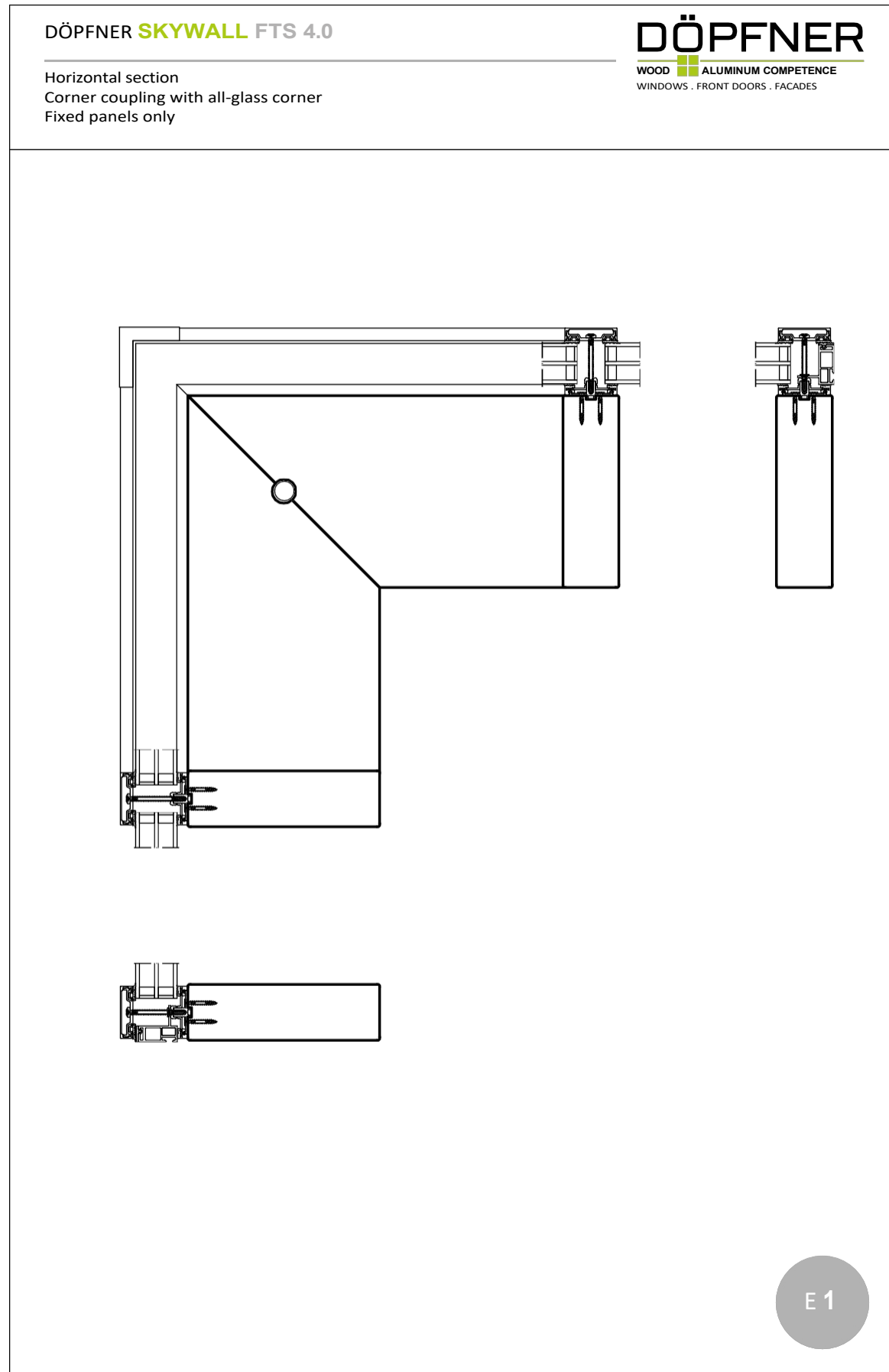


Fixed glazing



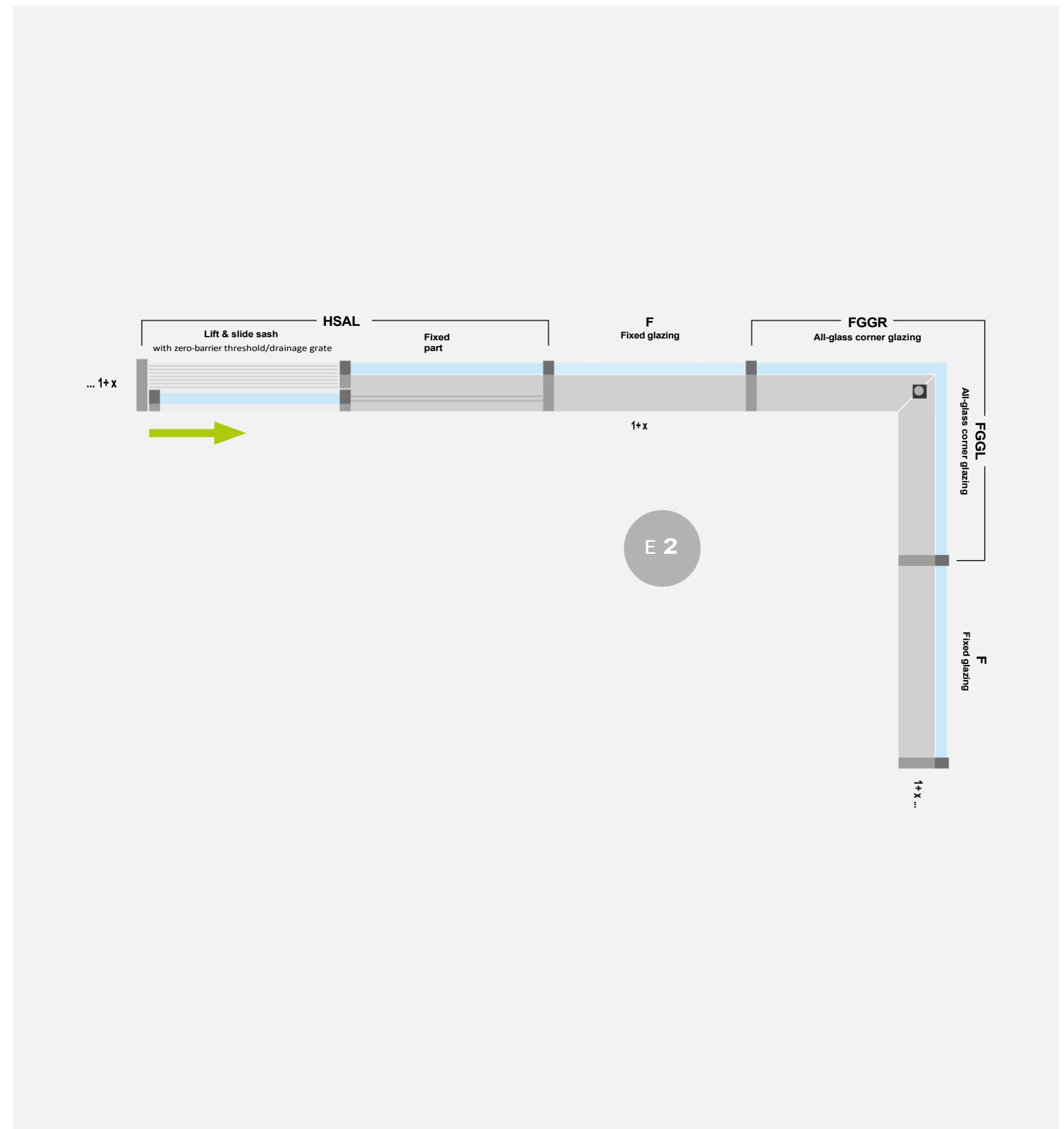
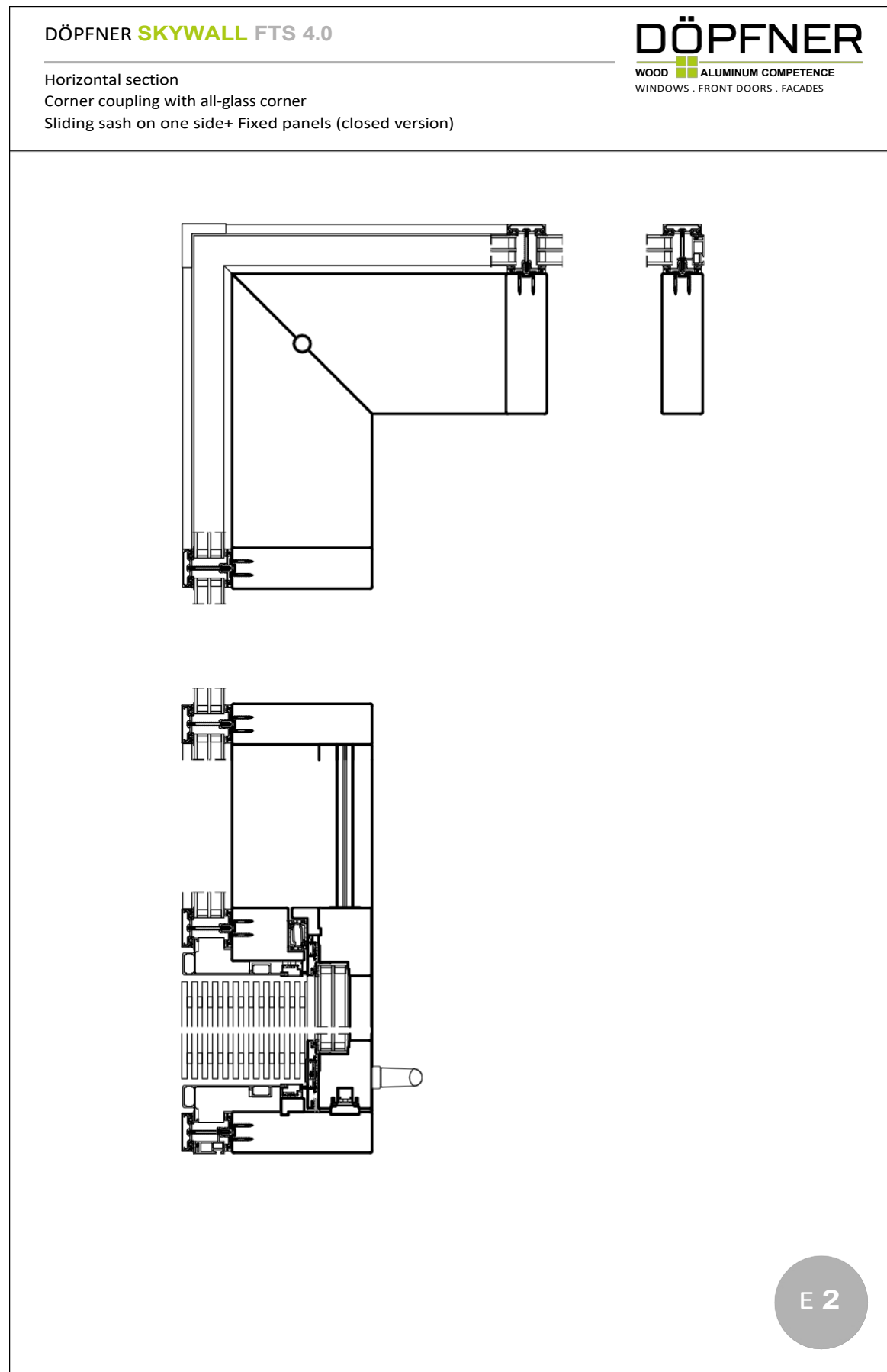
SKYWALL COMPENDIUM

Corner couplings with all-glass corner | Fixed panels only



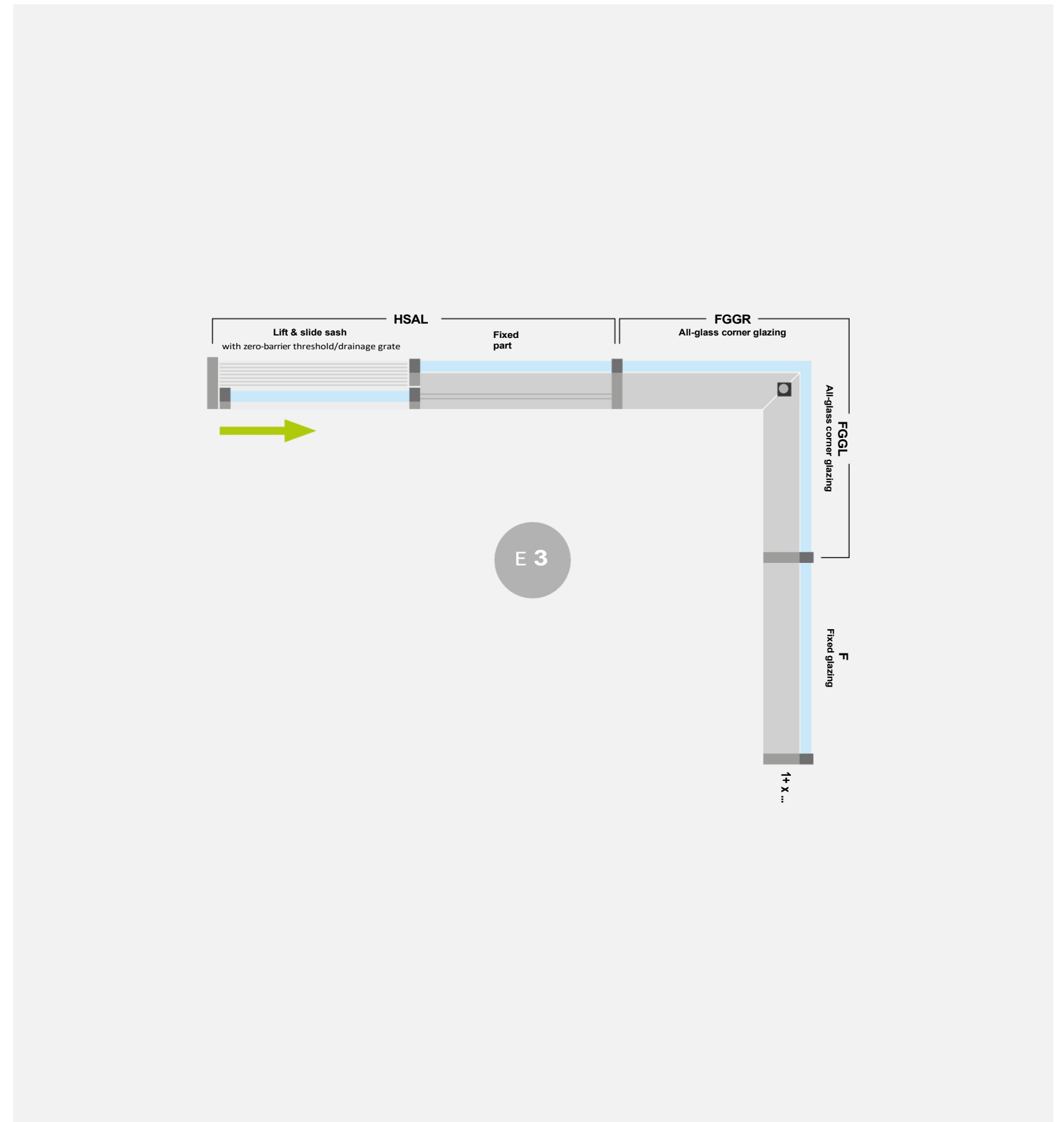
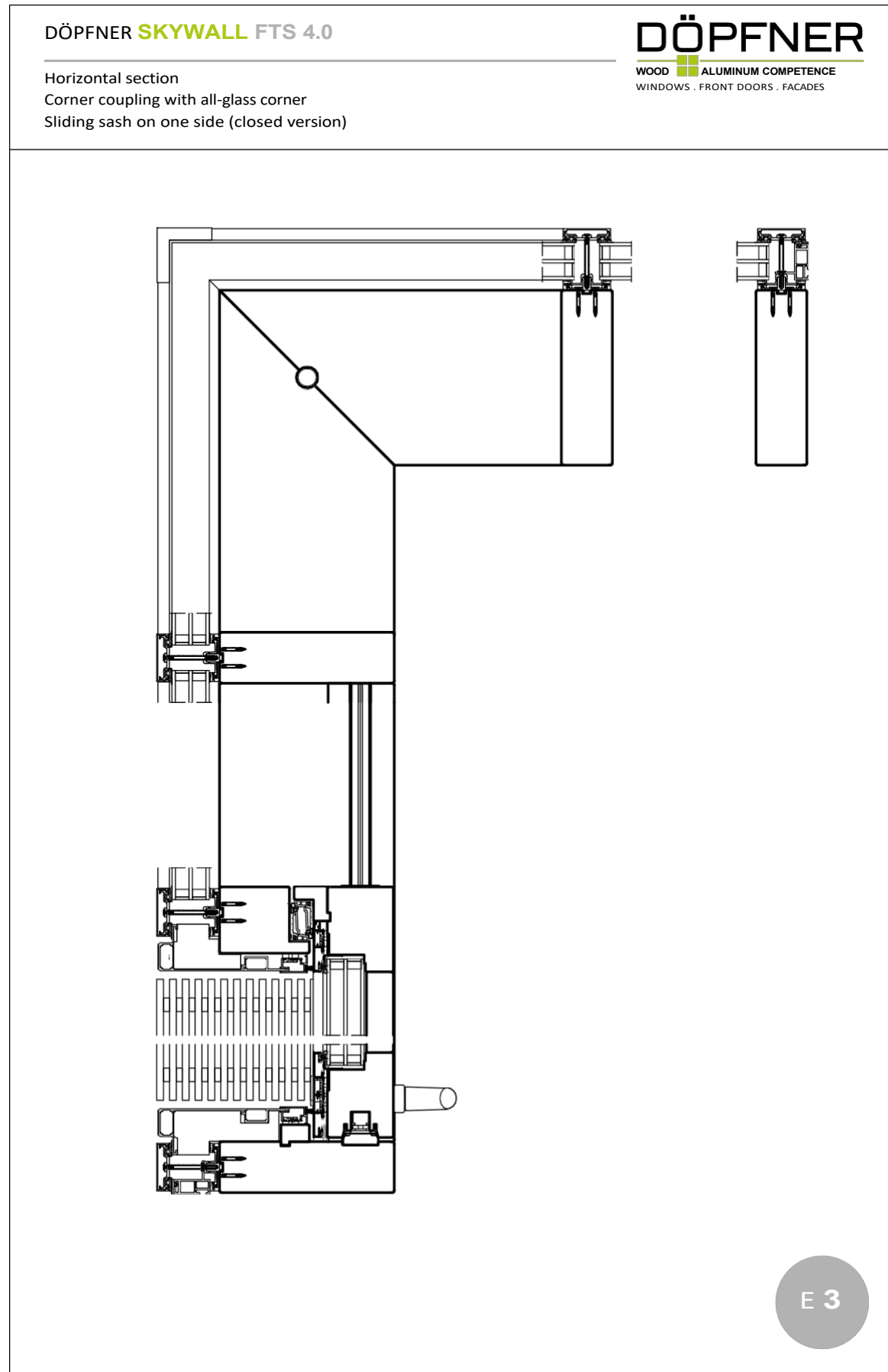
SKYWALL COMPENDIUM

Corner couplings with all-glass corner | Sliding sash on one side+ Fixed panels (closed version)



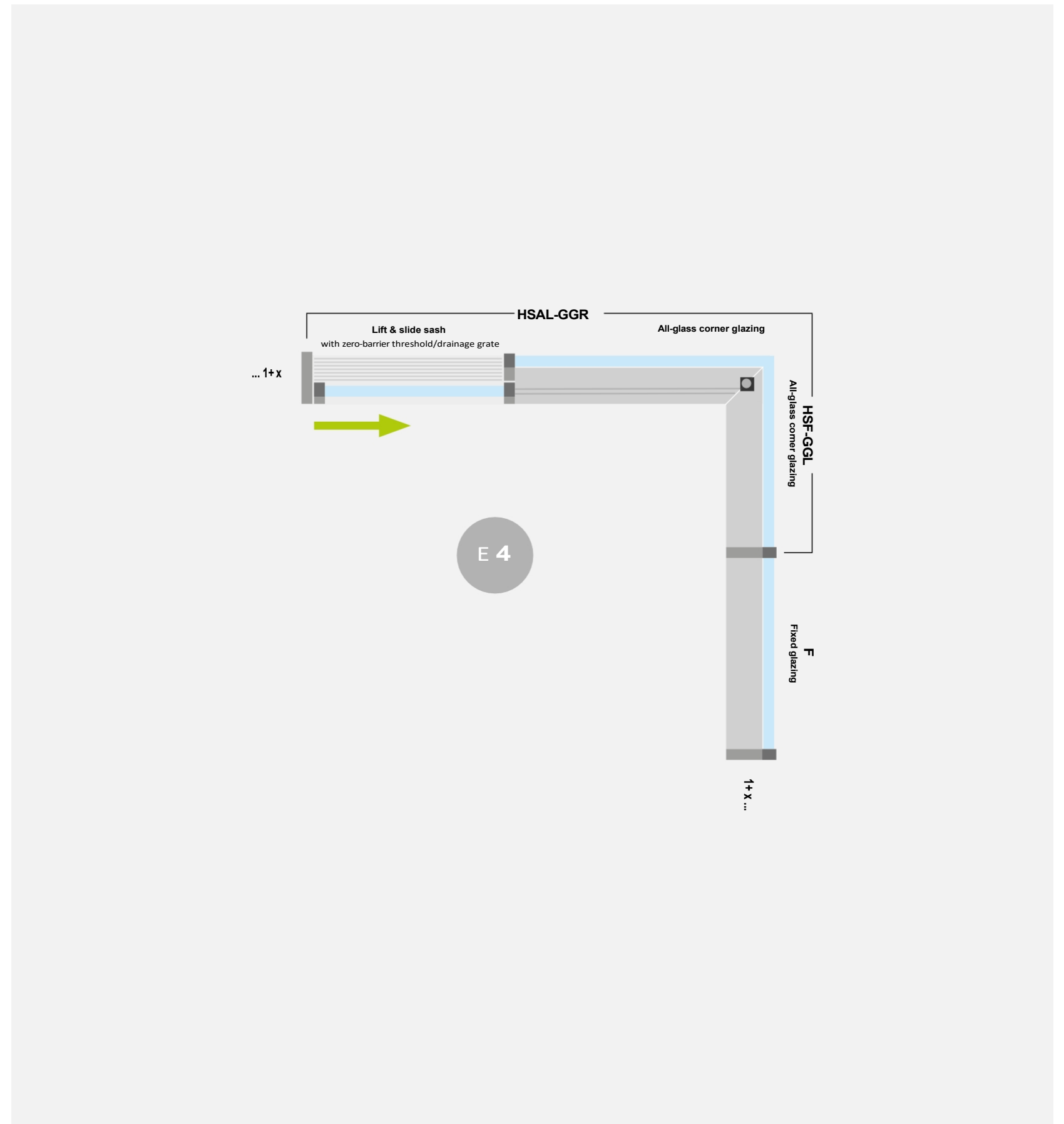
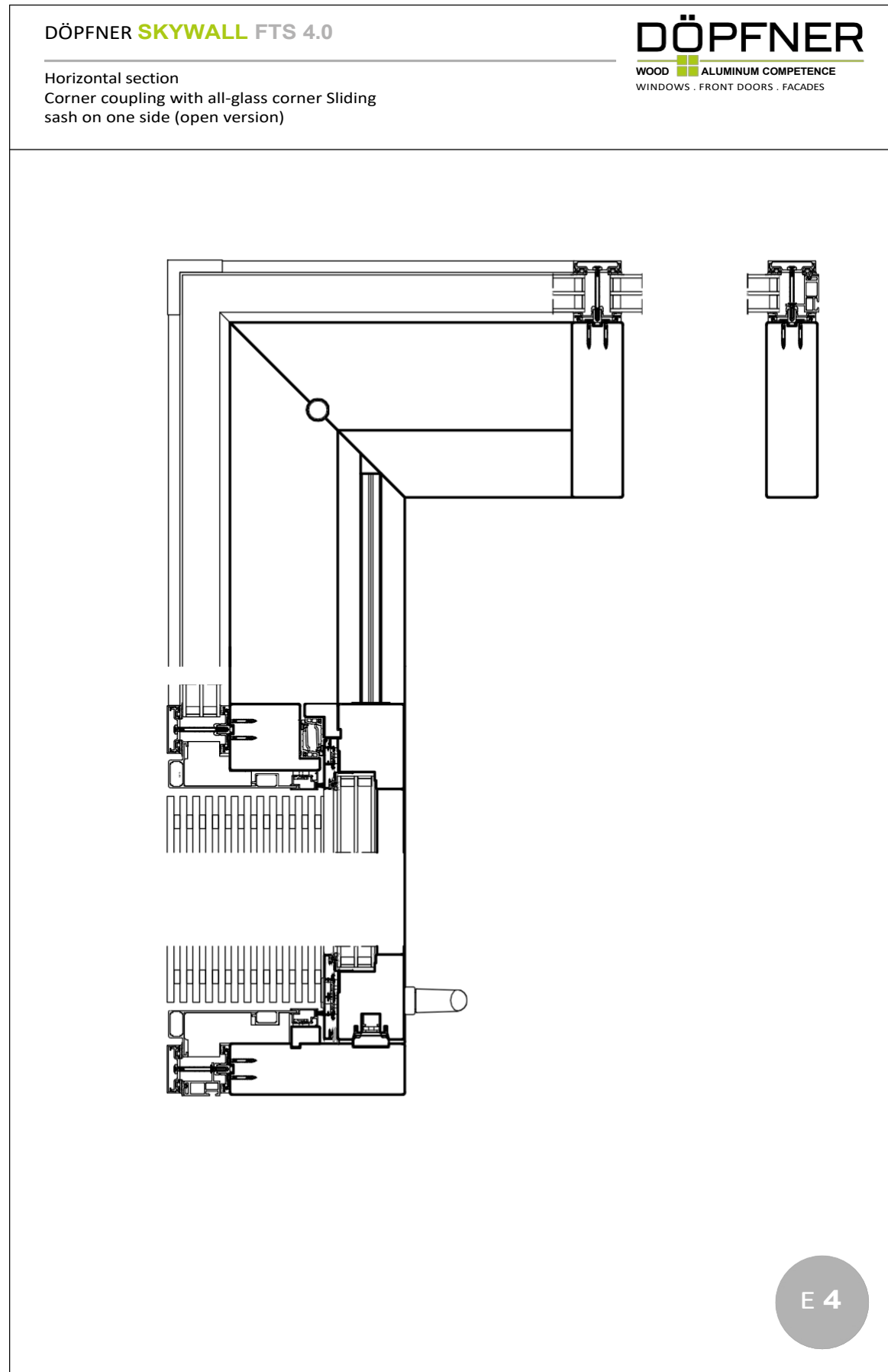
SKYWALL COMPENDIUM

Corner couplings with all-glass corner | Sliding sash on one side (closed version)



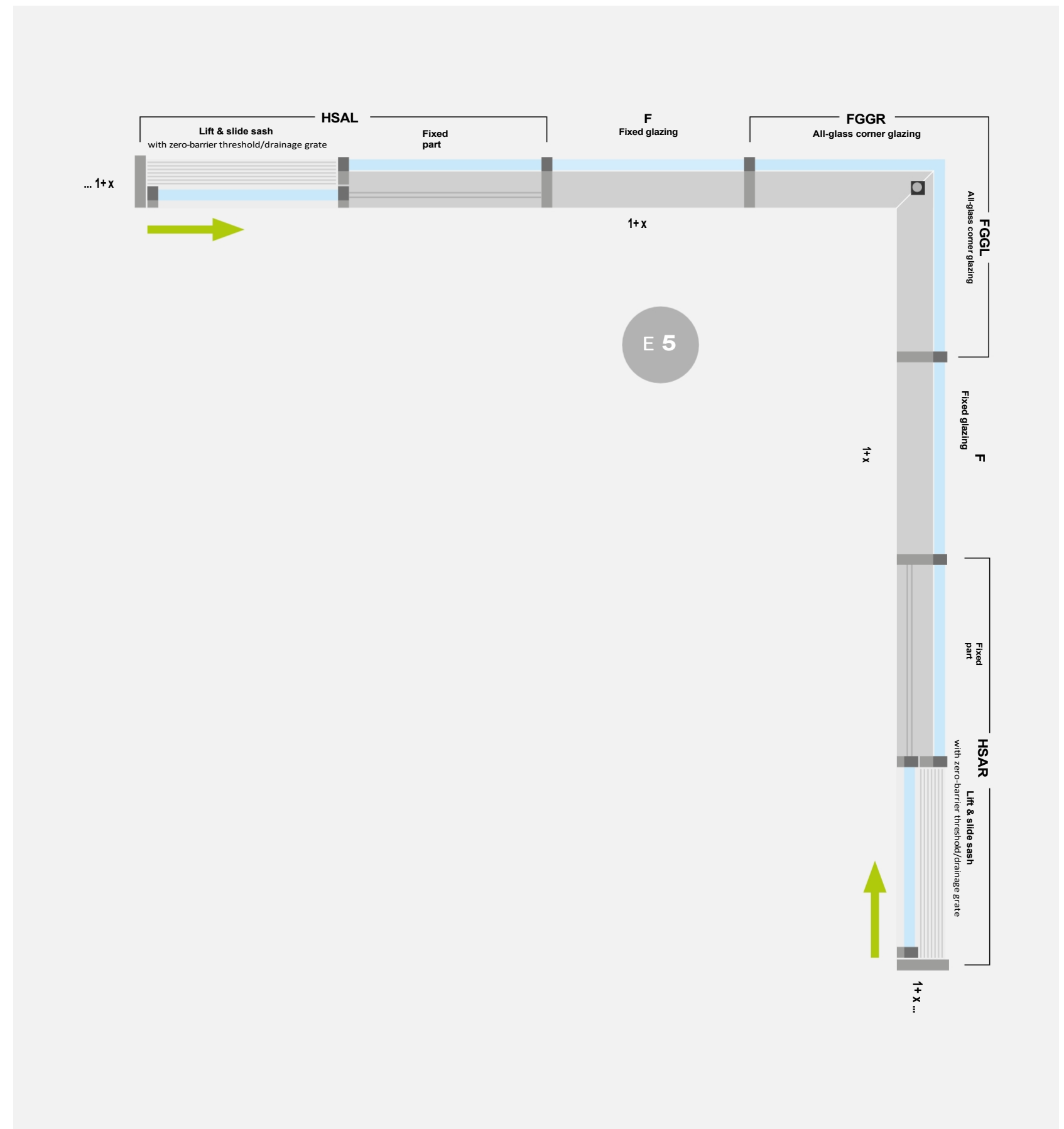
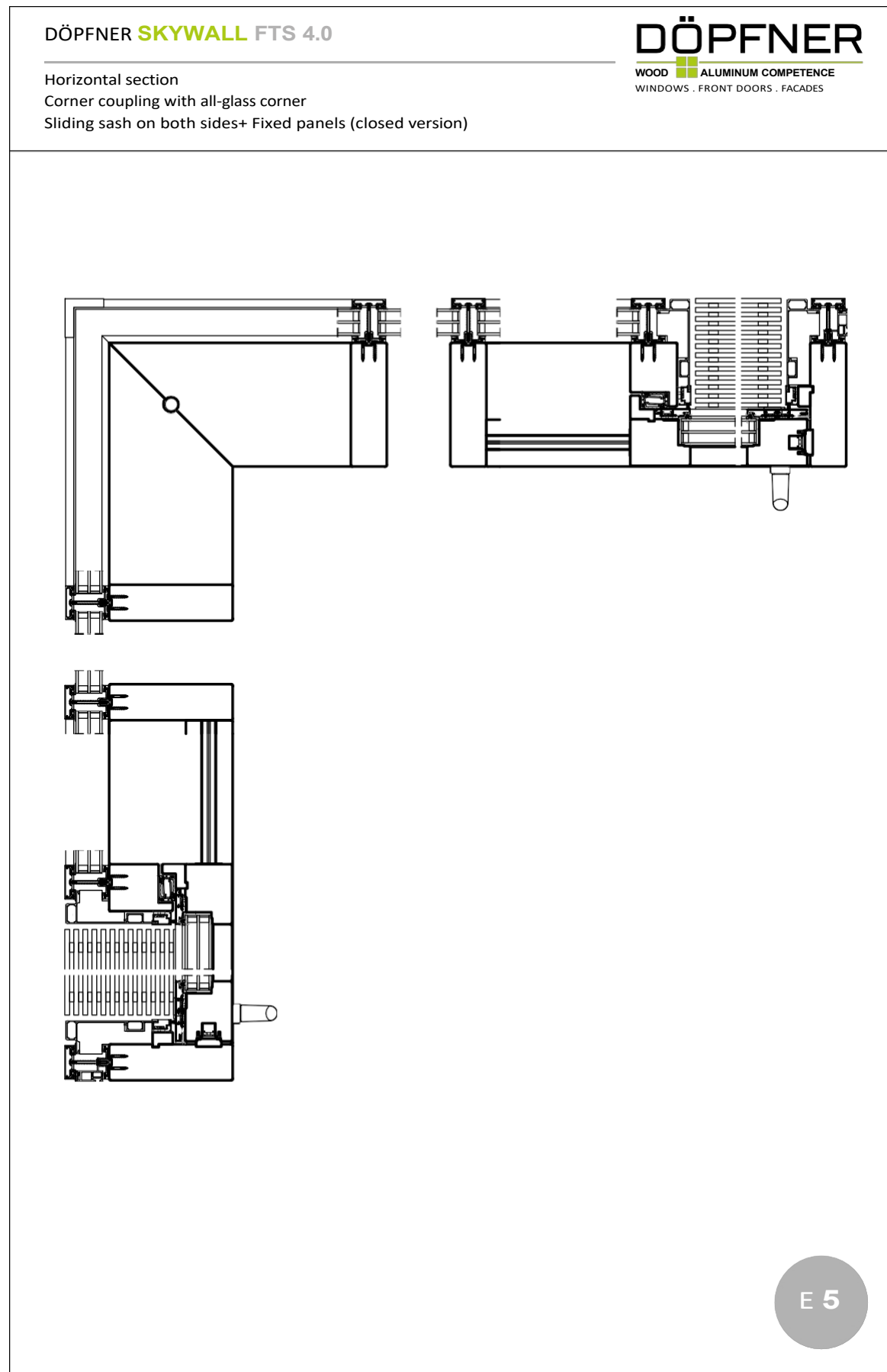
SKYWALL COMPENDIUM

Corner couplings with all-glass corner | Sliding sash on one side (open version)



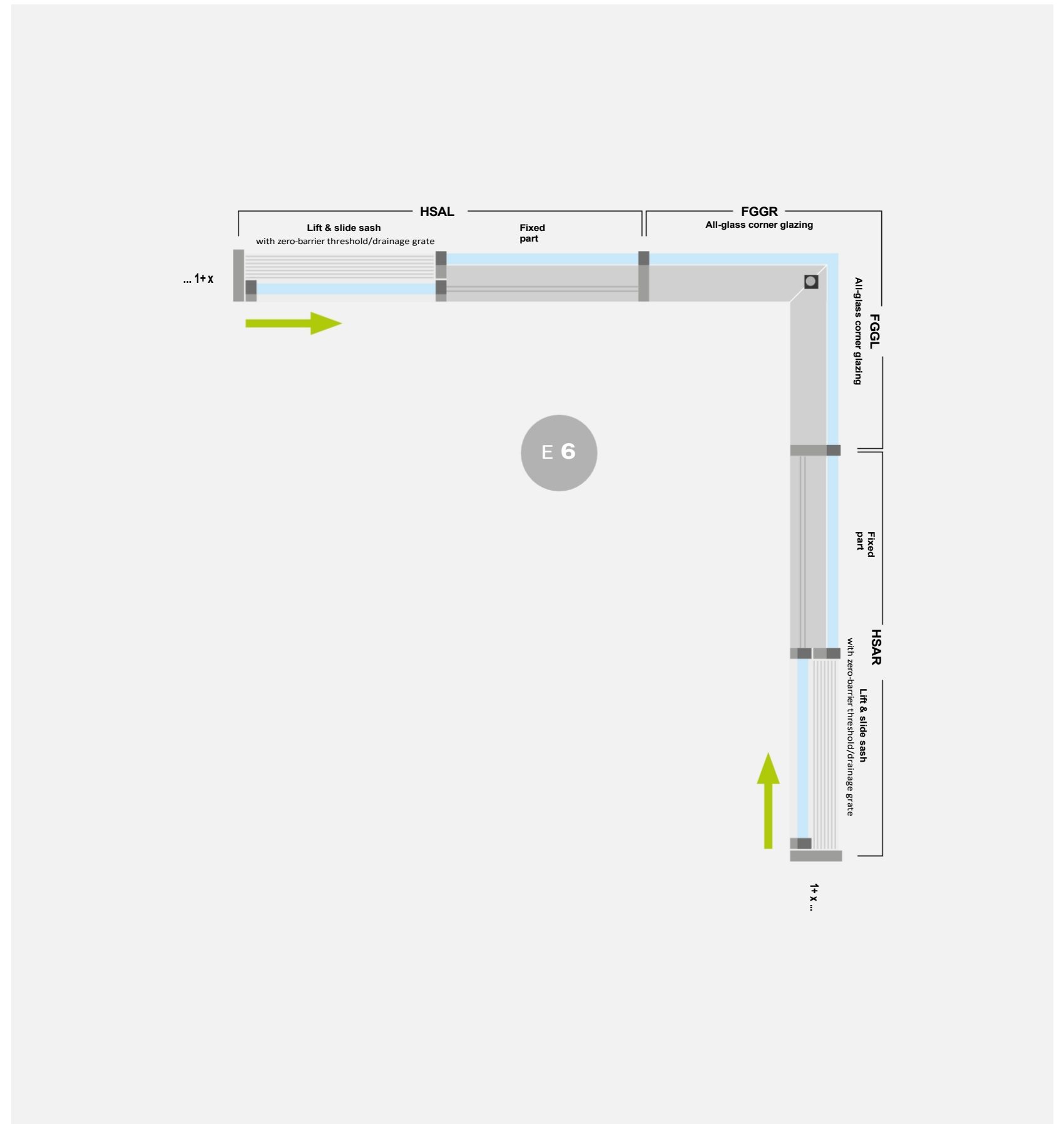
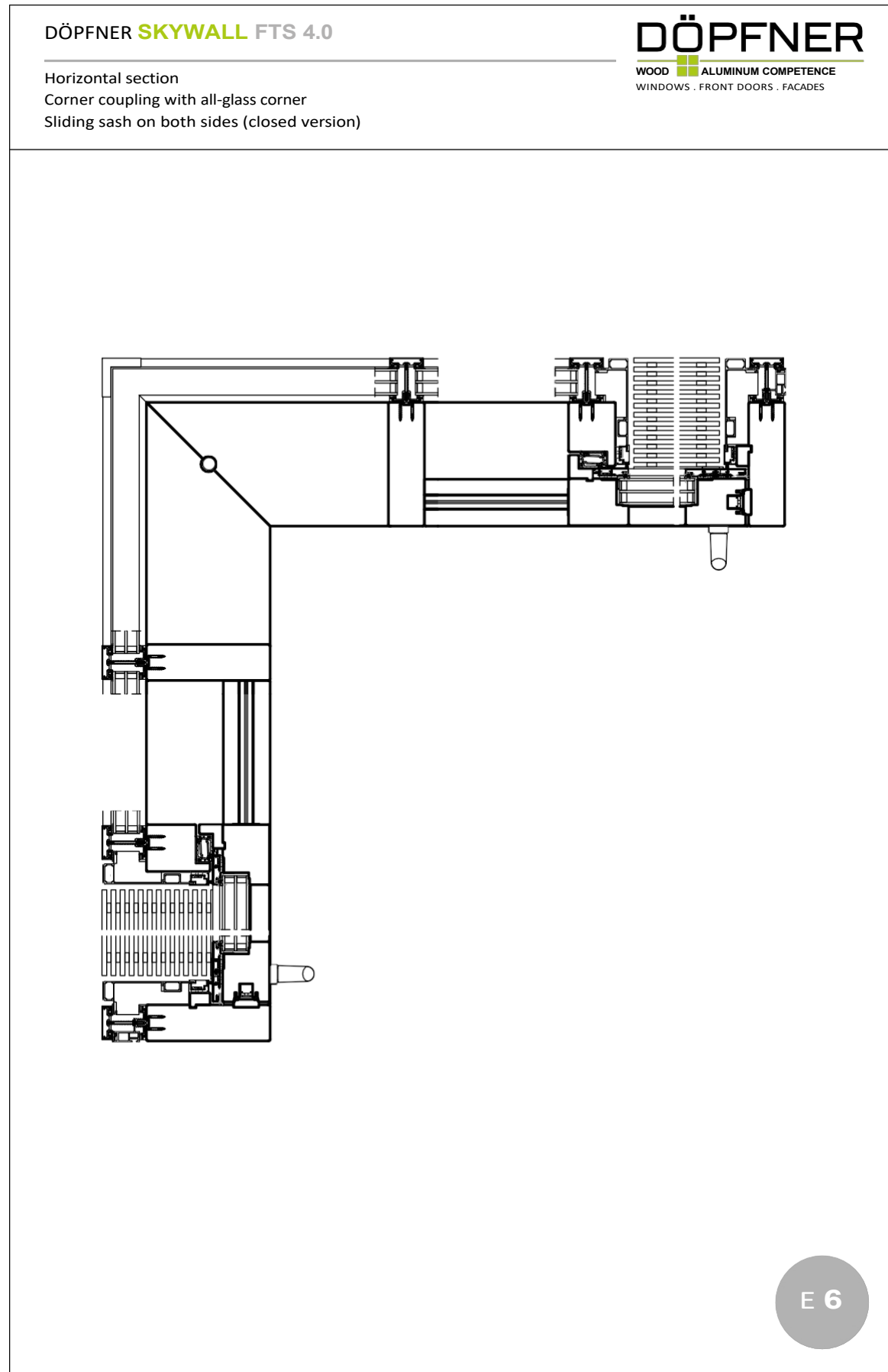
SKYWALL COMPENDIUM

Corner couplings with all-glass corner | Sliding sash on both sides+ Fixed panels (closed version)



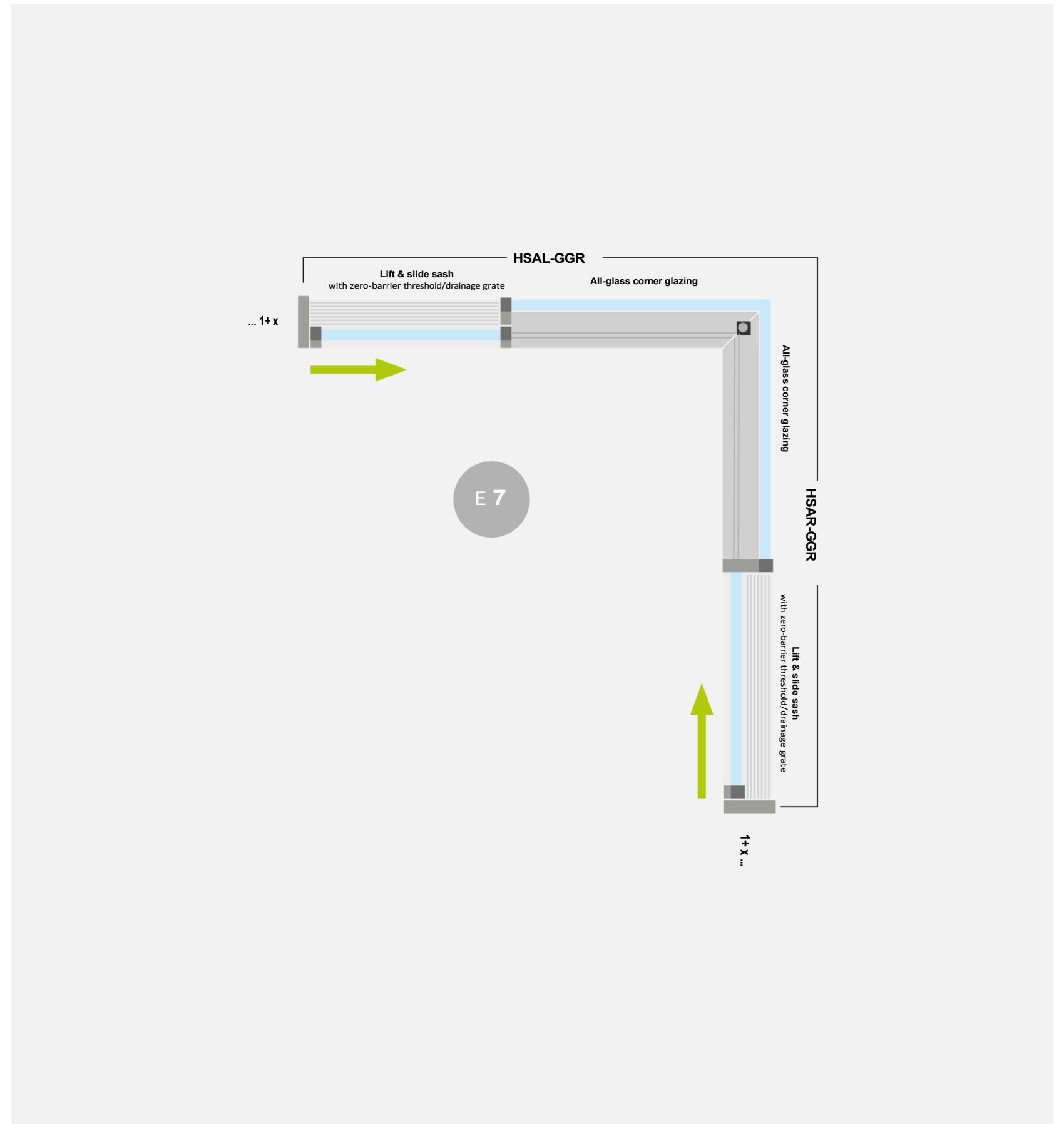
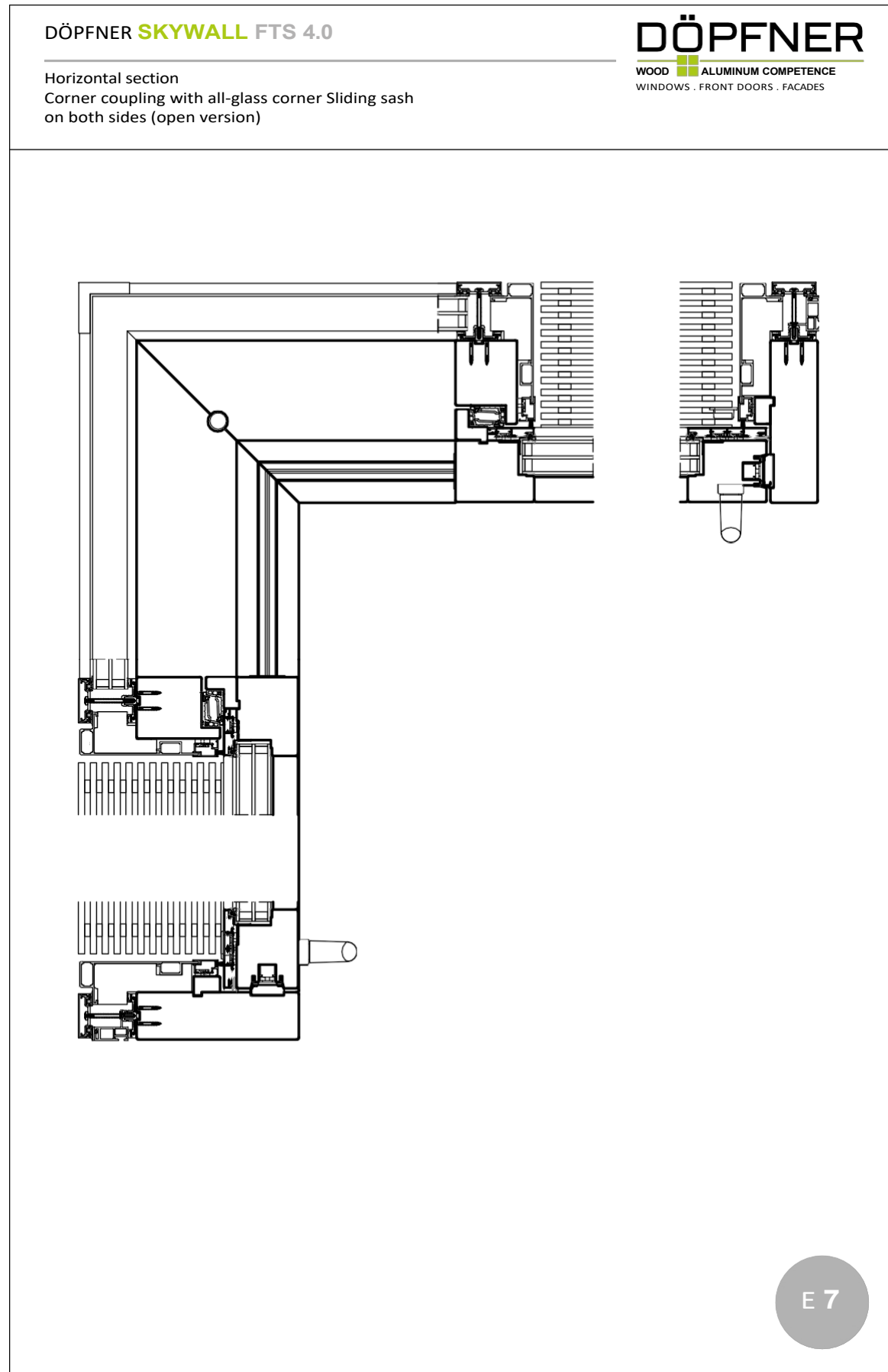
SKYWALL COMPENDIUM

Corner couplings with all-glass corner | Sliding sash on both sides (closed version)



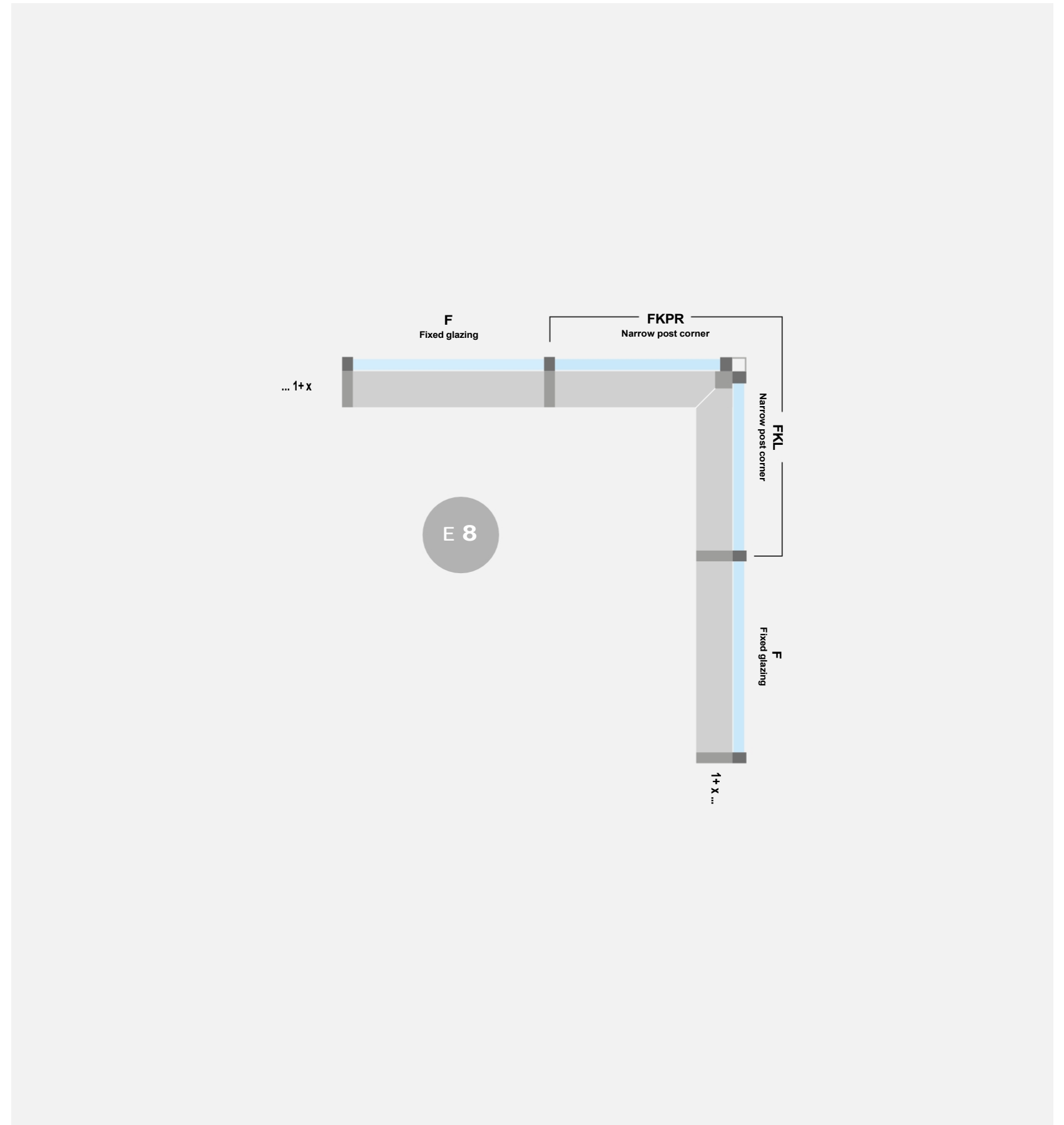
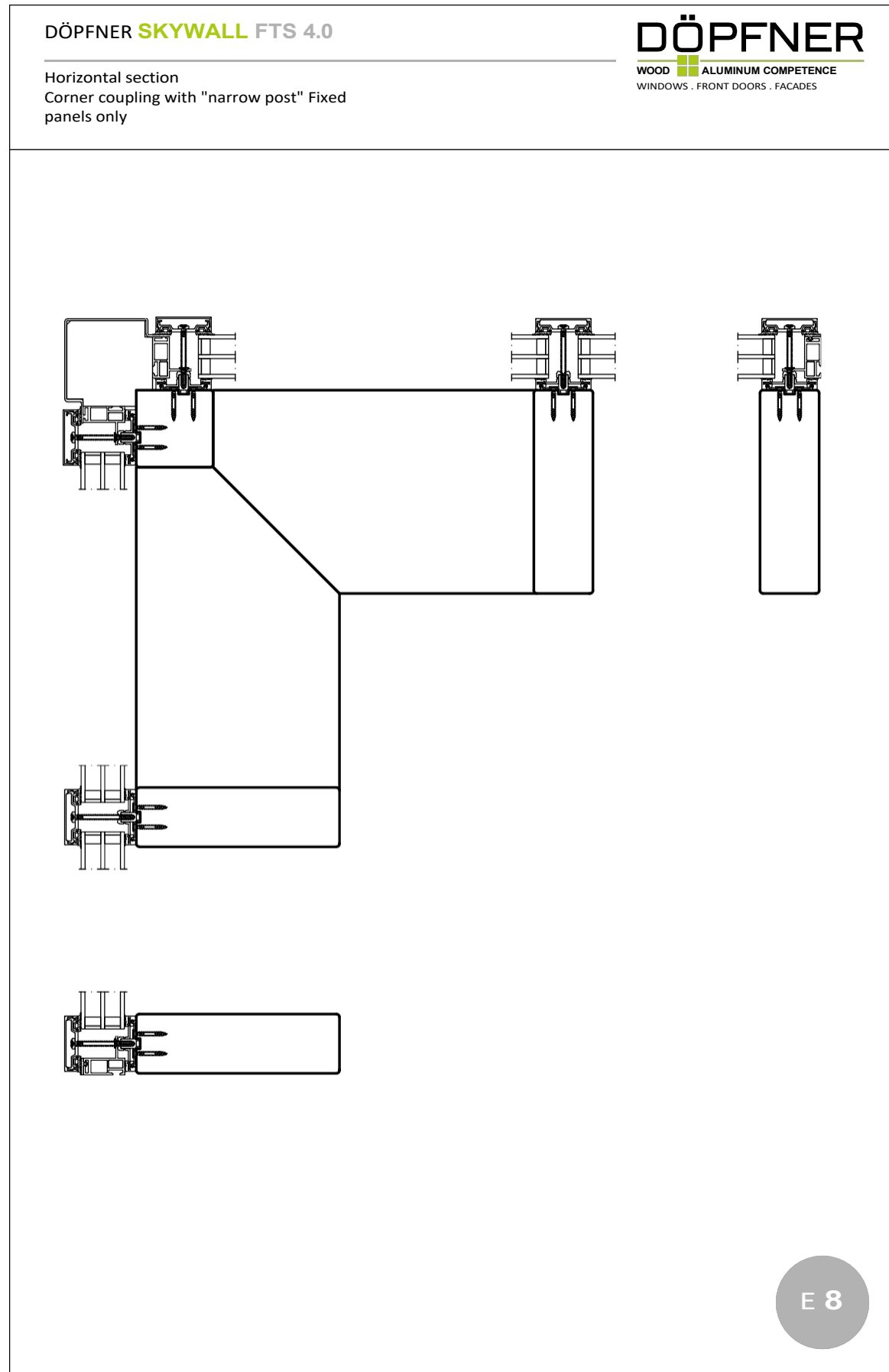
SKYWALL COMPENDIUM

Corner couplings with all-glass corner | Sliding sash on both sides (open version)



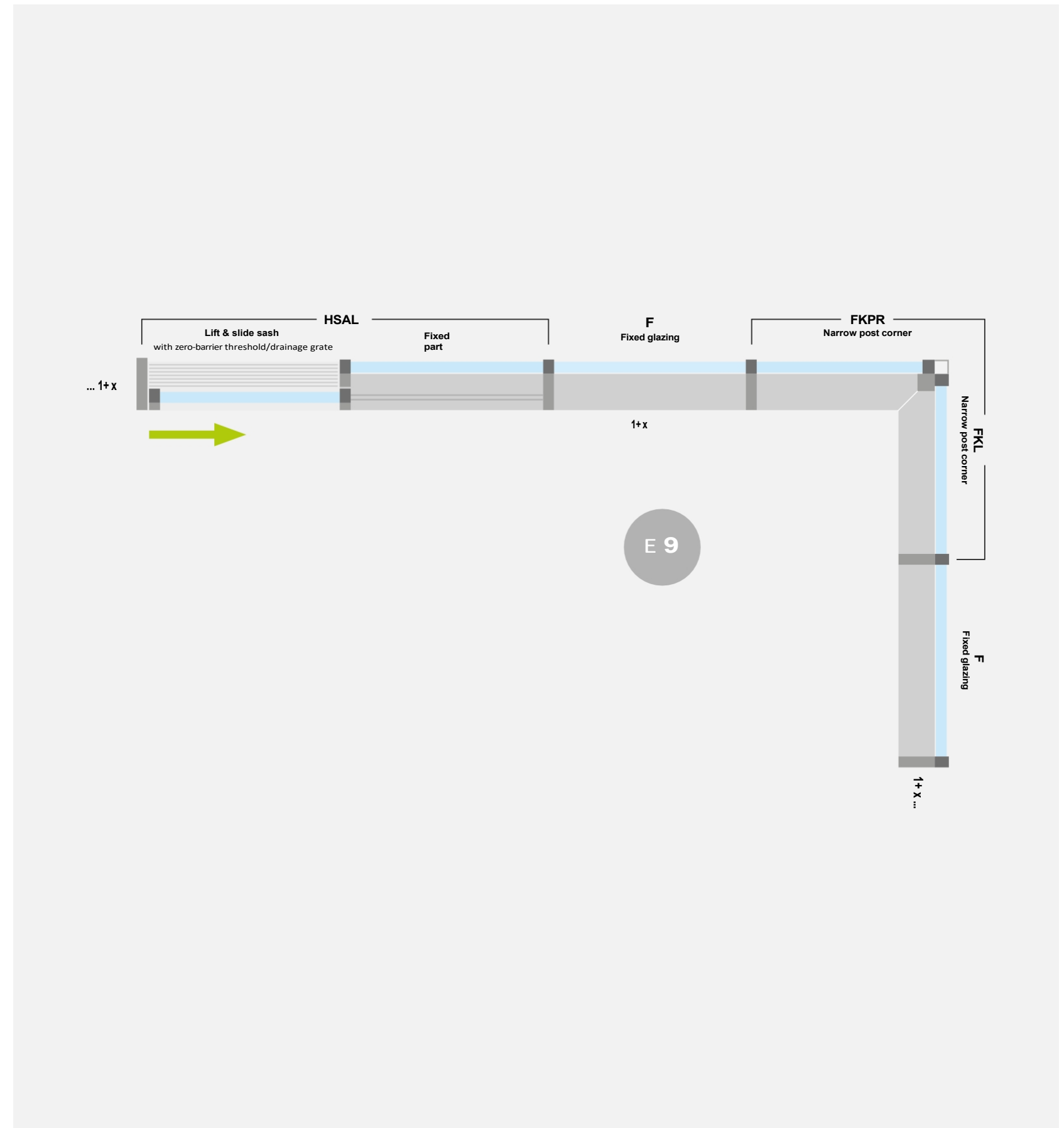
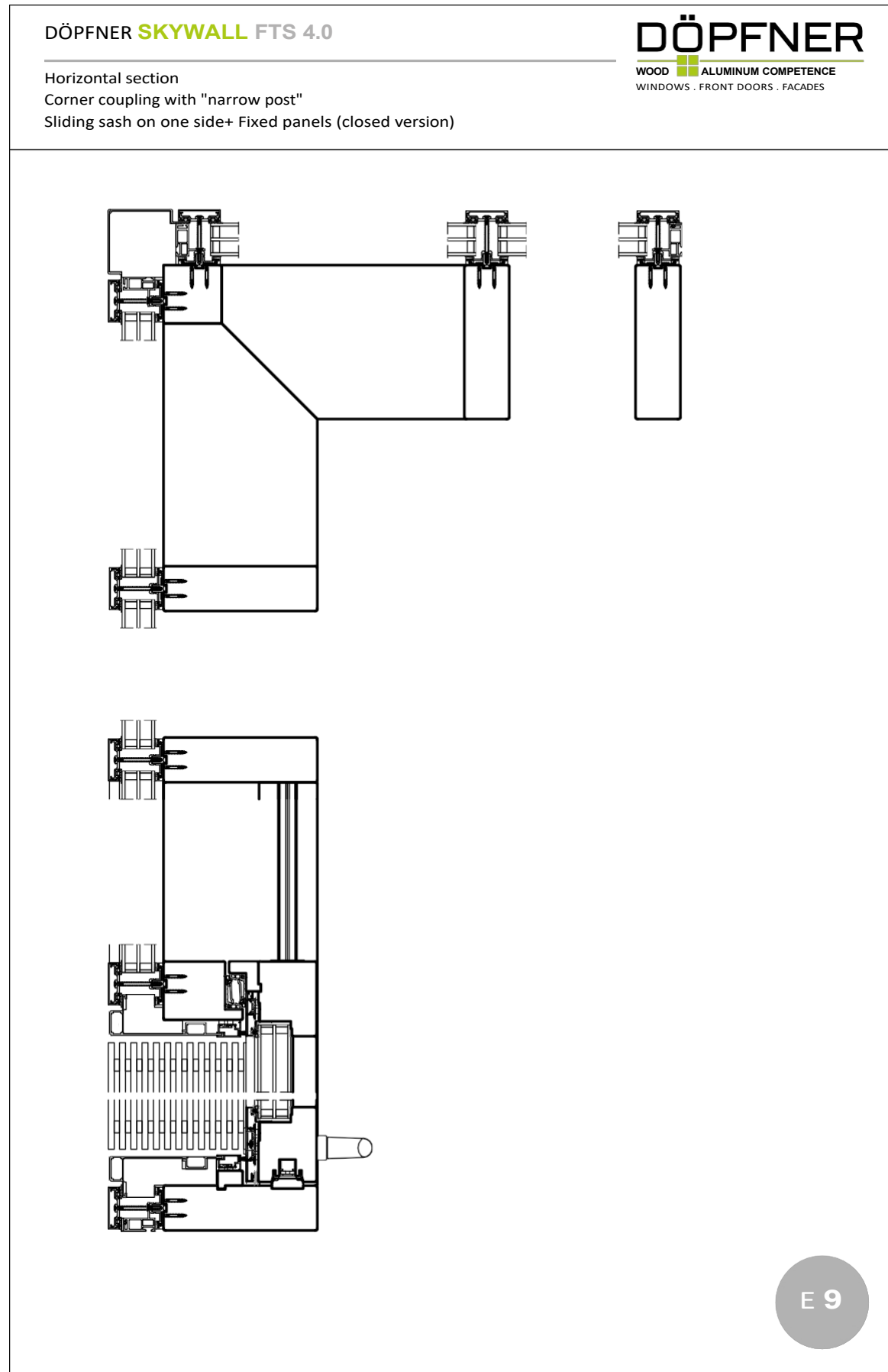
SKYWALL COMPENDIUM

Corner couplings with "narrow post" | Fixed panels only



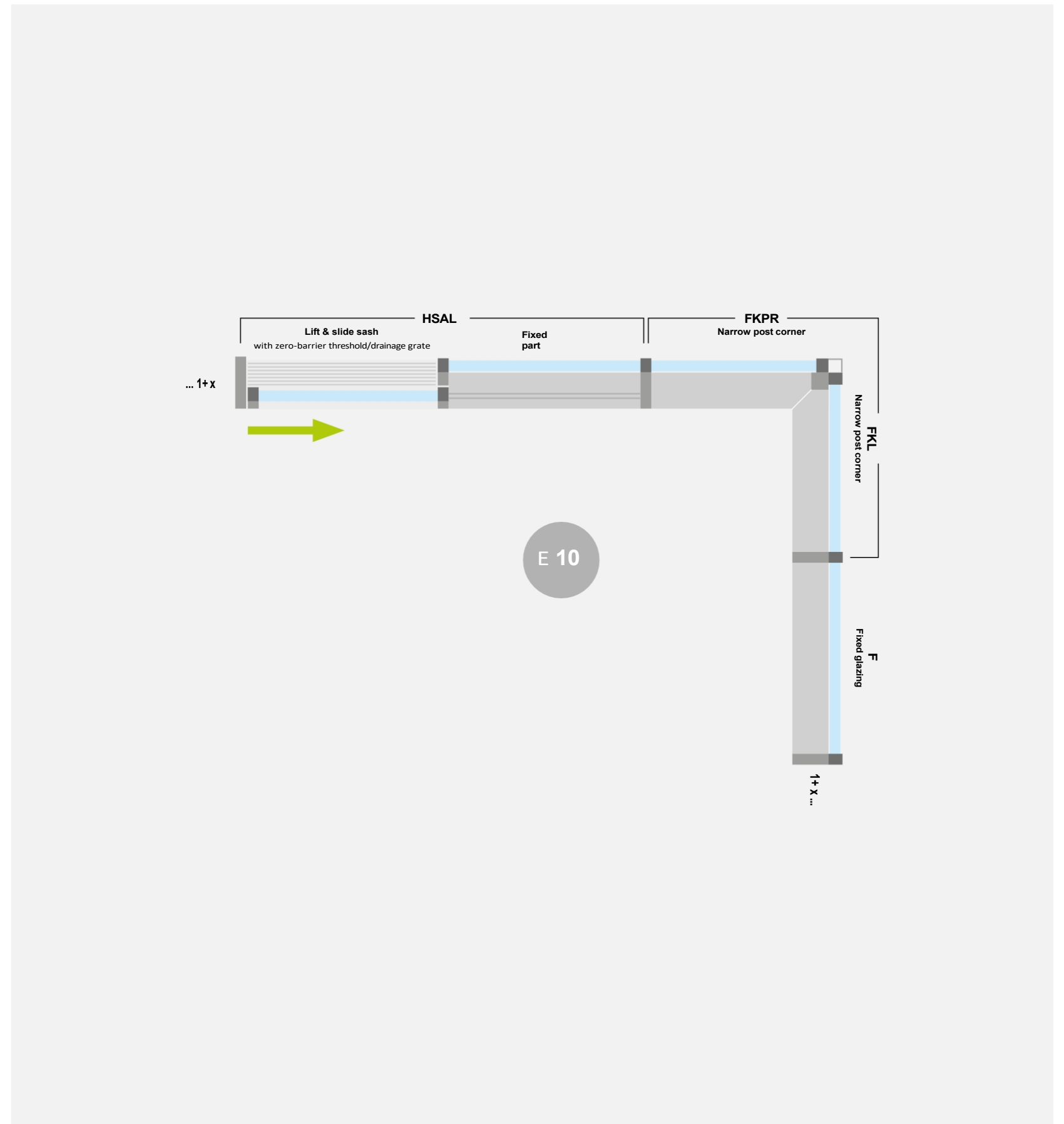
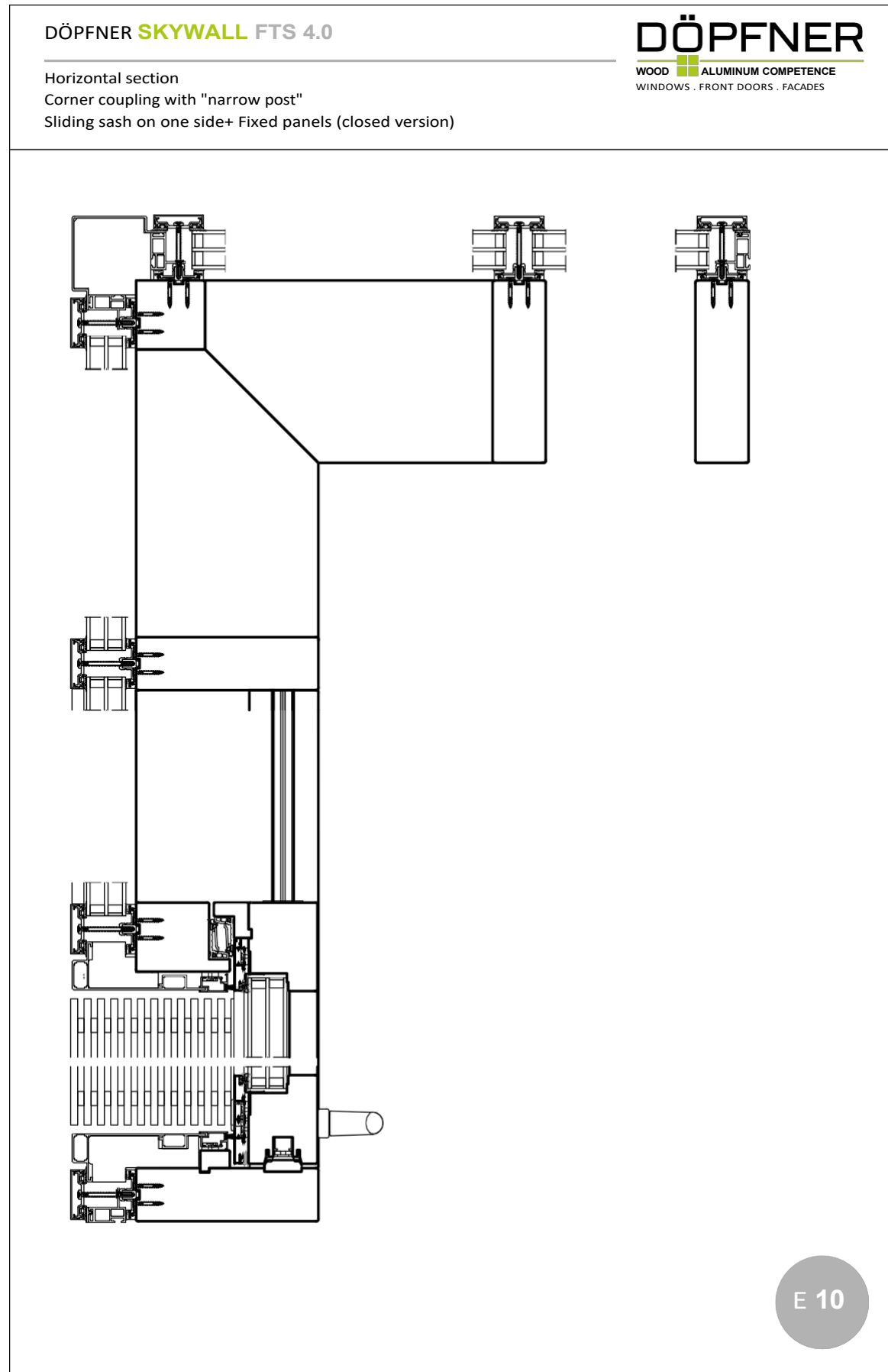
SKYWALL COMPENDIUM

Corner couplings with "narrow mullion" | Sliding sash on one side+ Fixed panels (closed version)



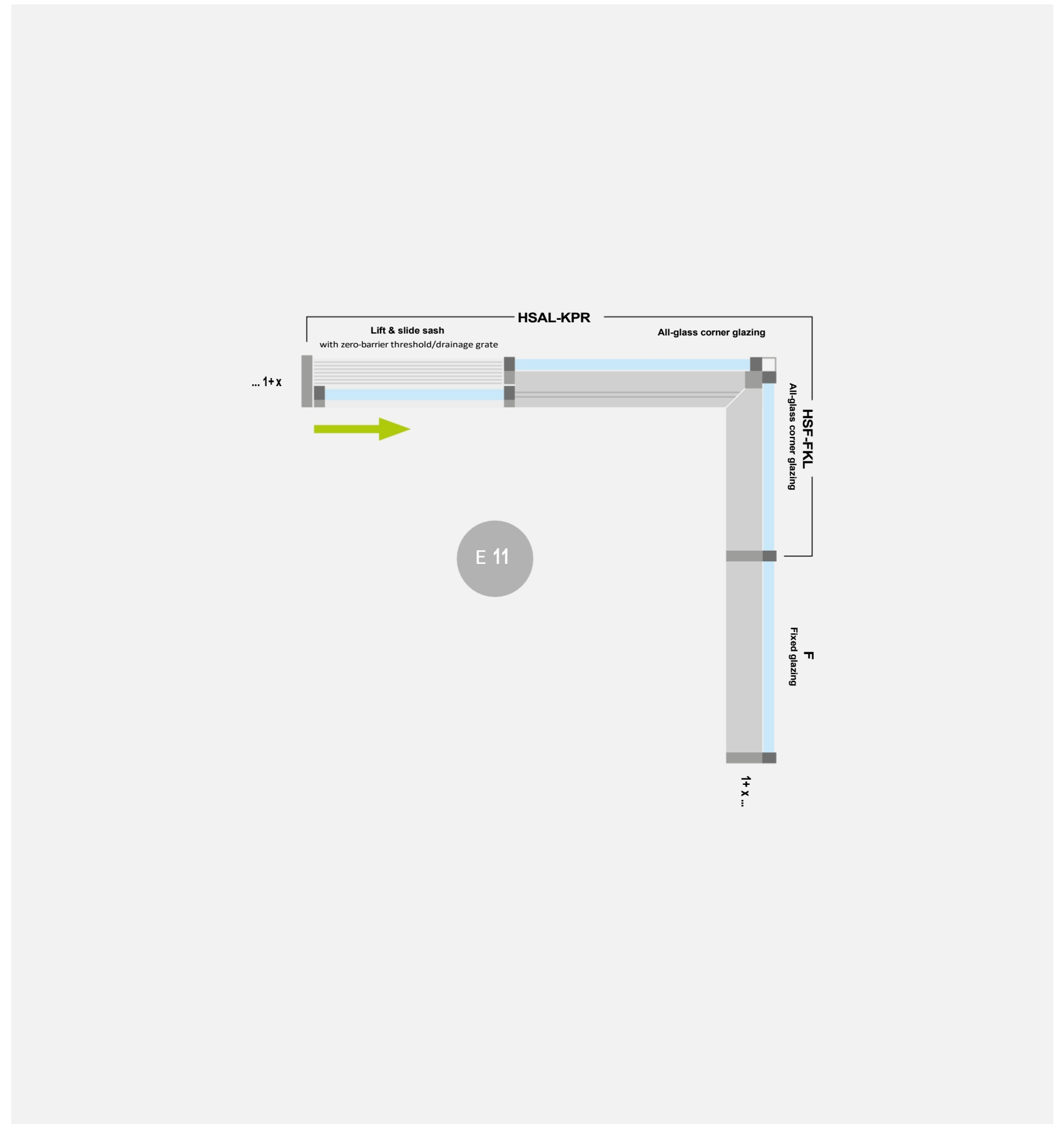
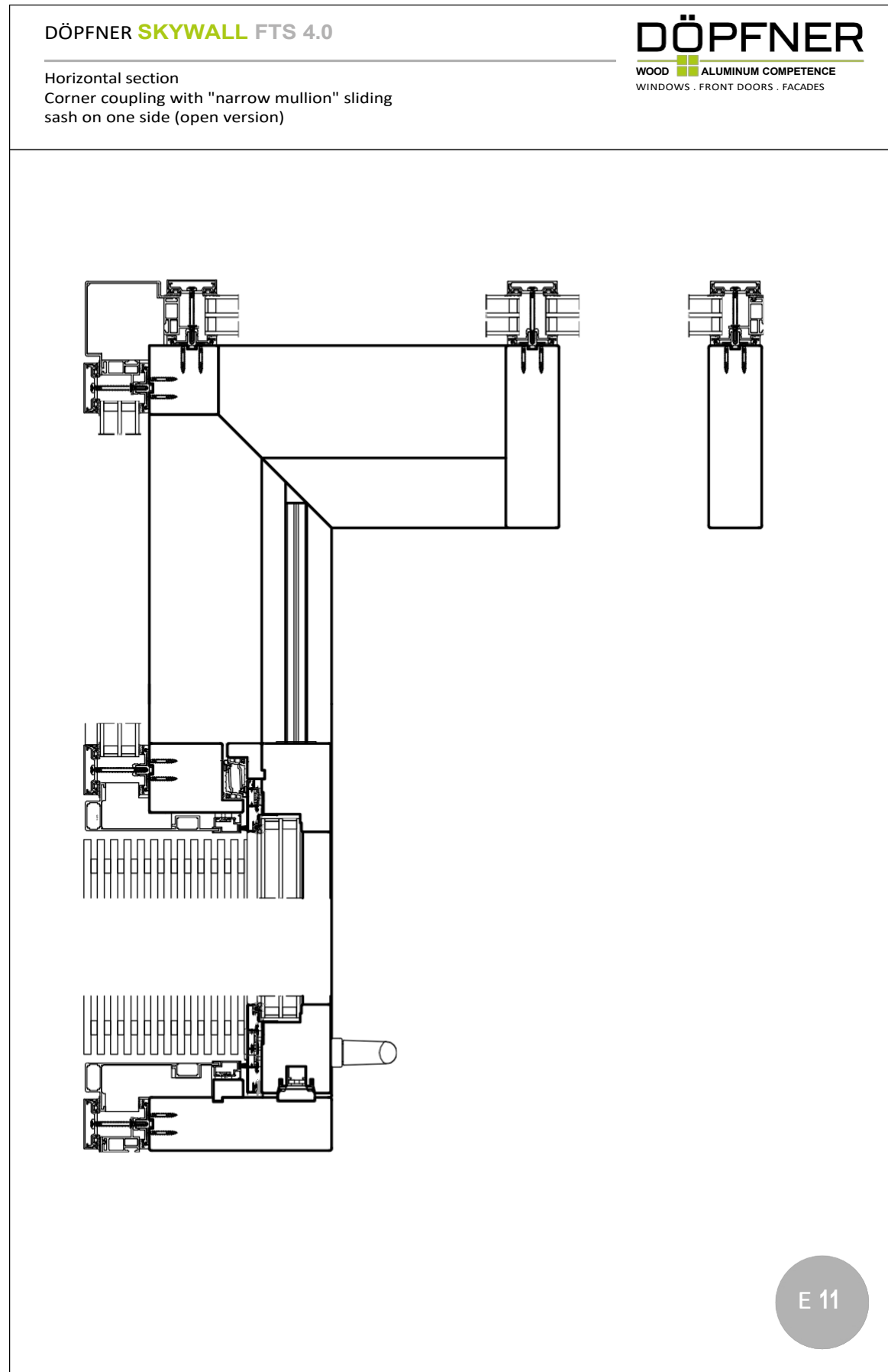
SKYWALL COMPENDIUM

Corner couplings with "narrow mullion" | Sliding sash on one side+ Fixed panels (closed version)



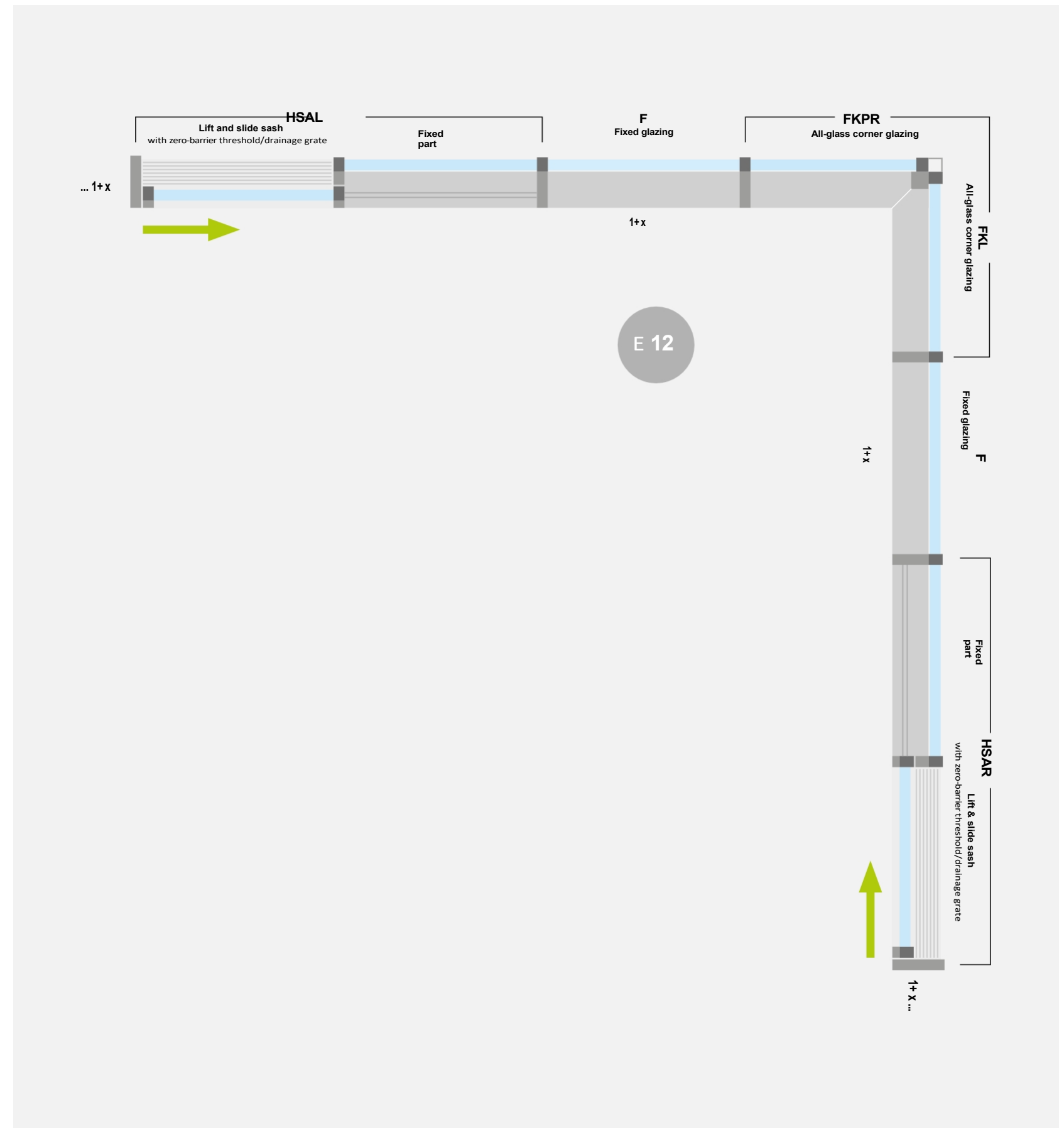
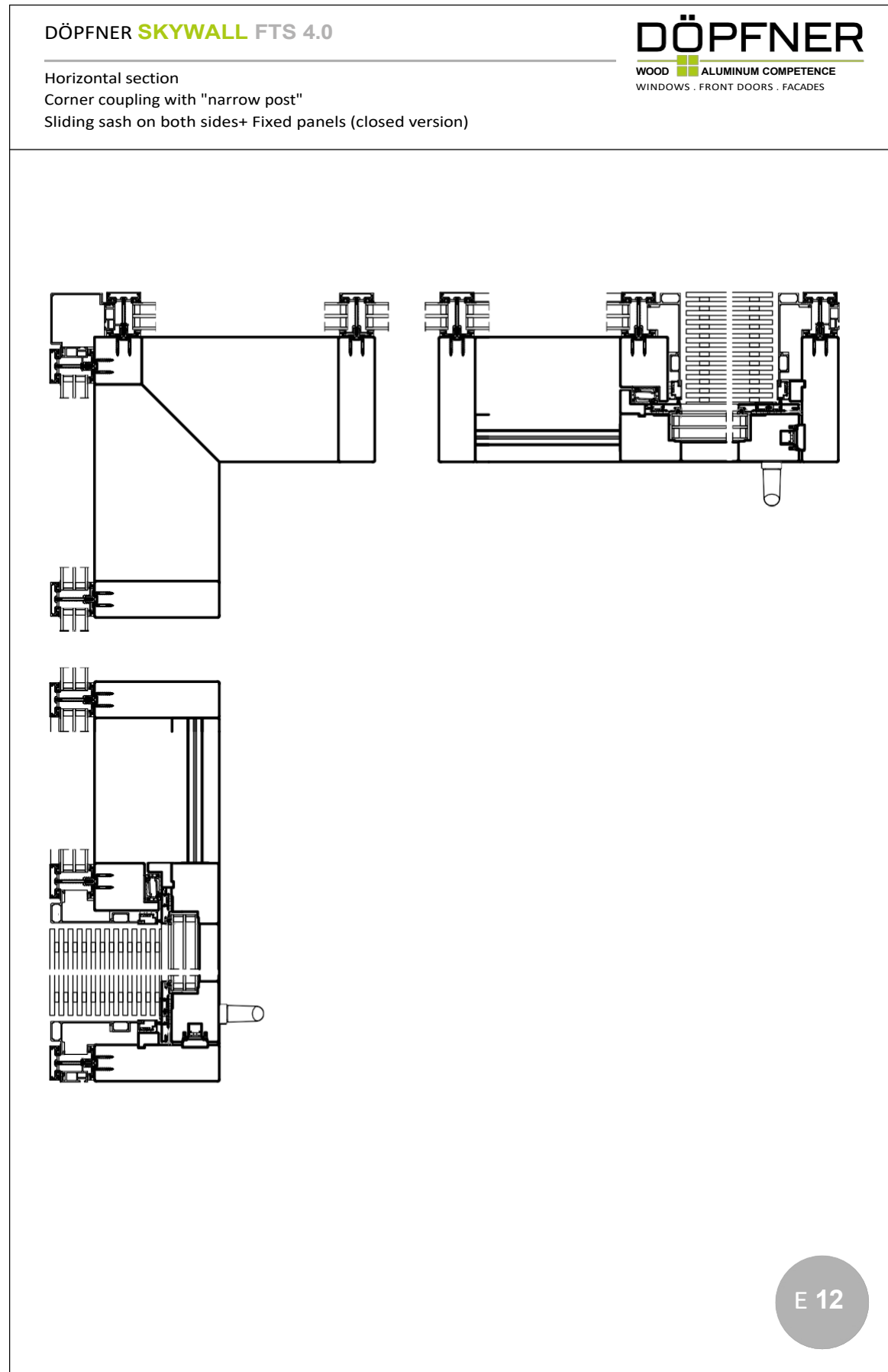
SKYWALL COMPENDIUM

Corner couplings with "narrow mullion" | Sliding sash on one side (open version)



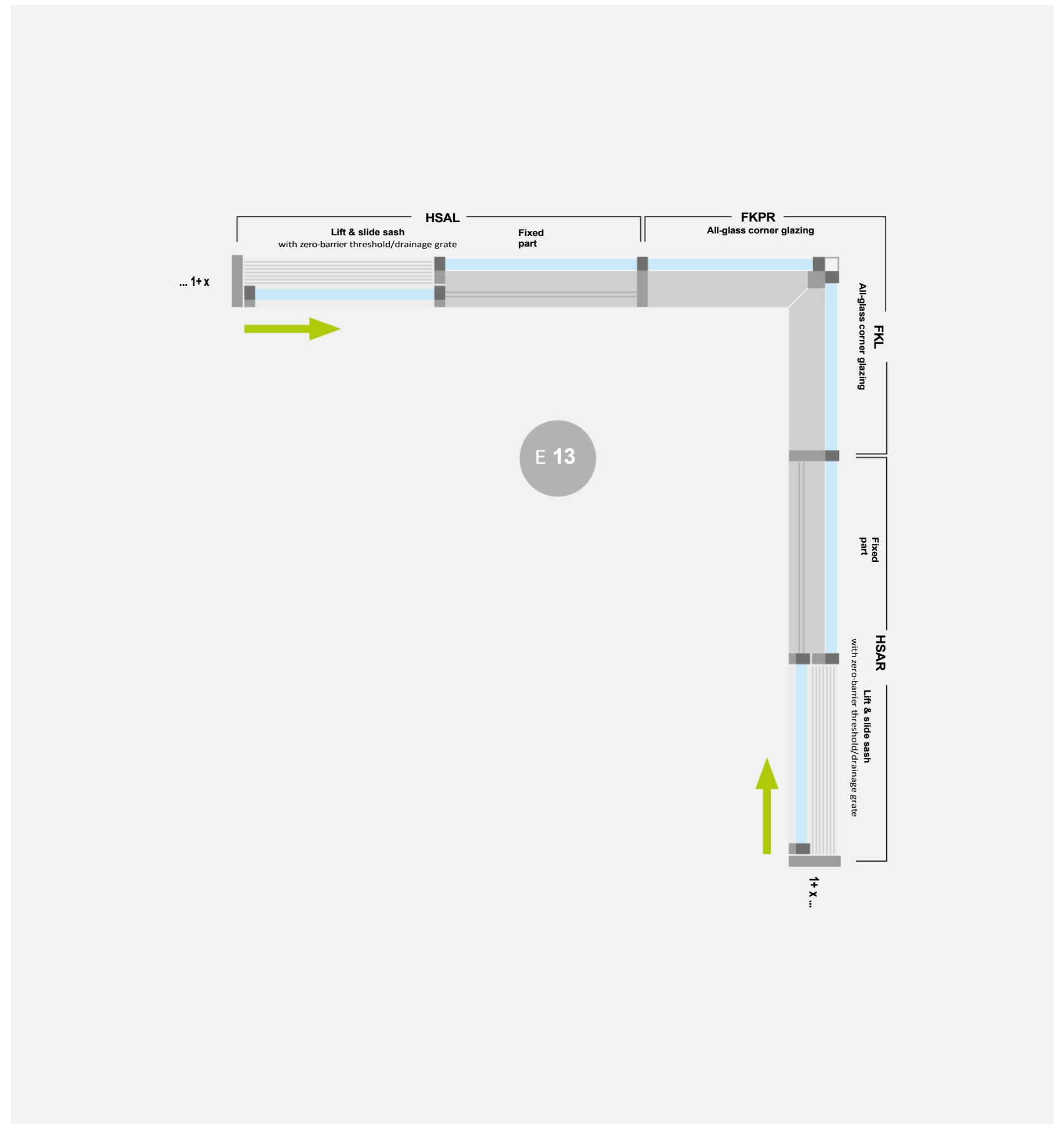
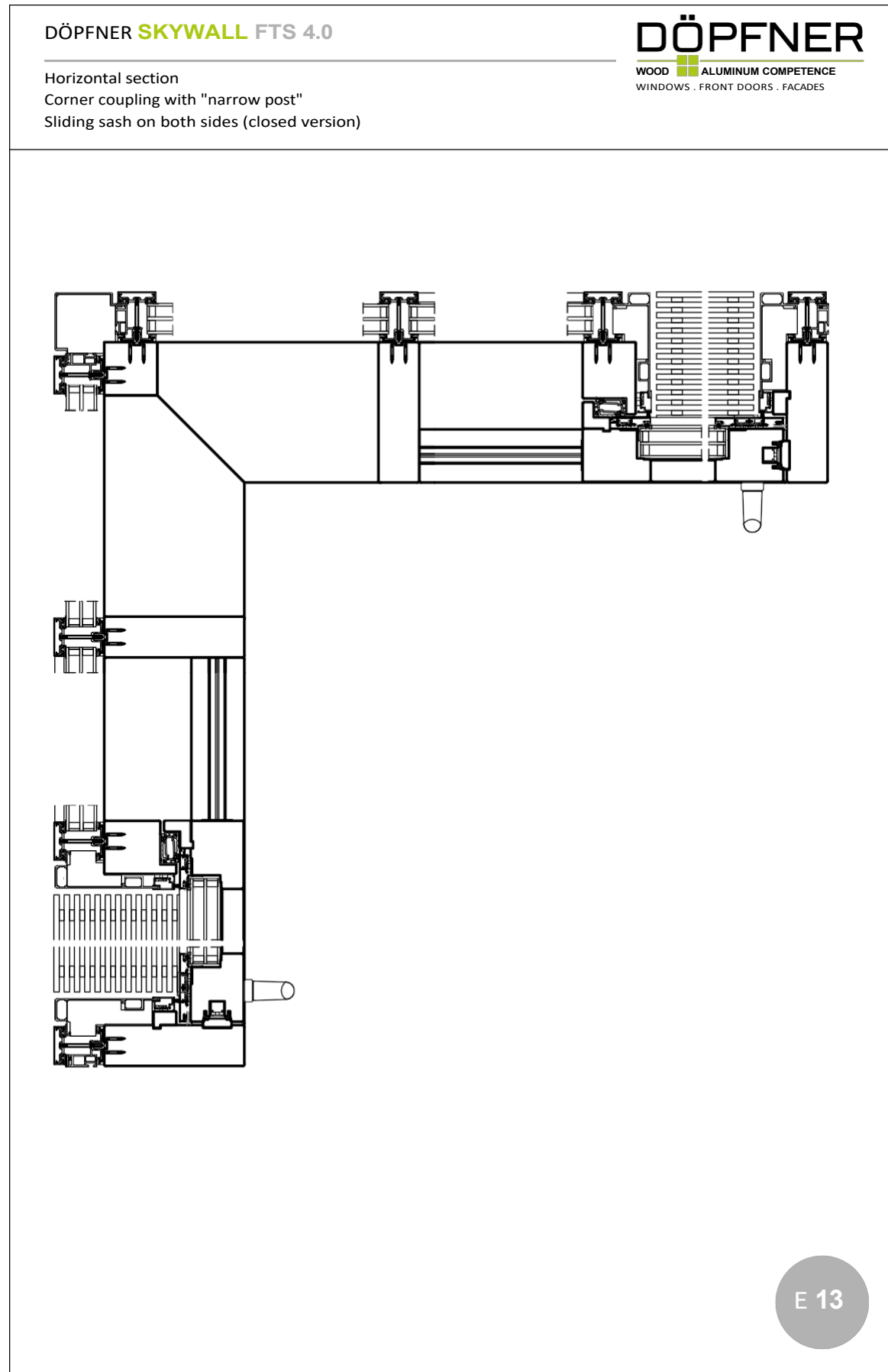
SKYWALL COMPENDIUM

Corner couplings with "narrow mullion" | Sliding sash on both sides+ Fixed panels (closed version)



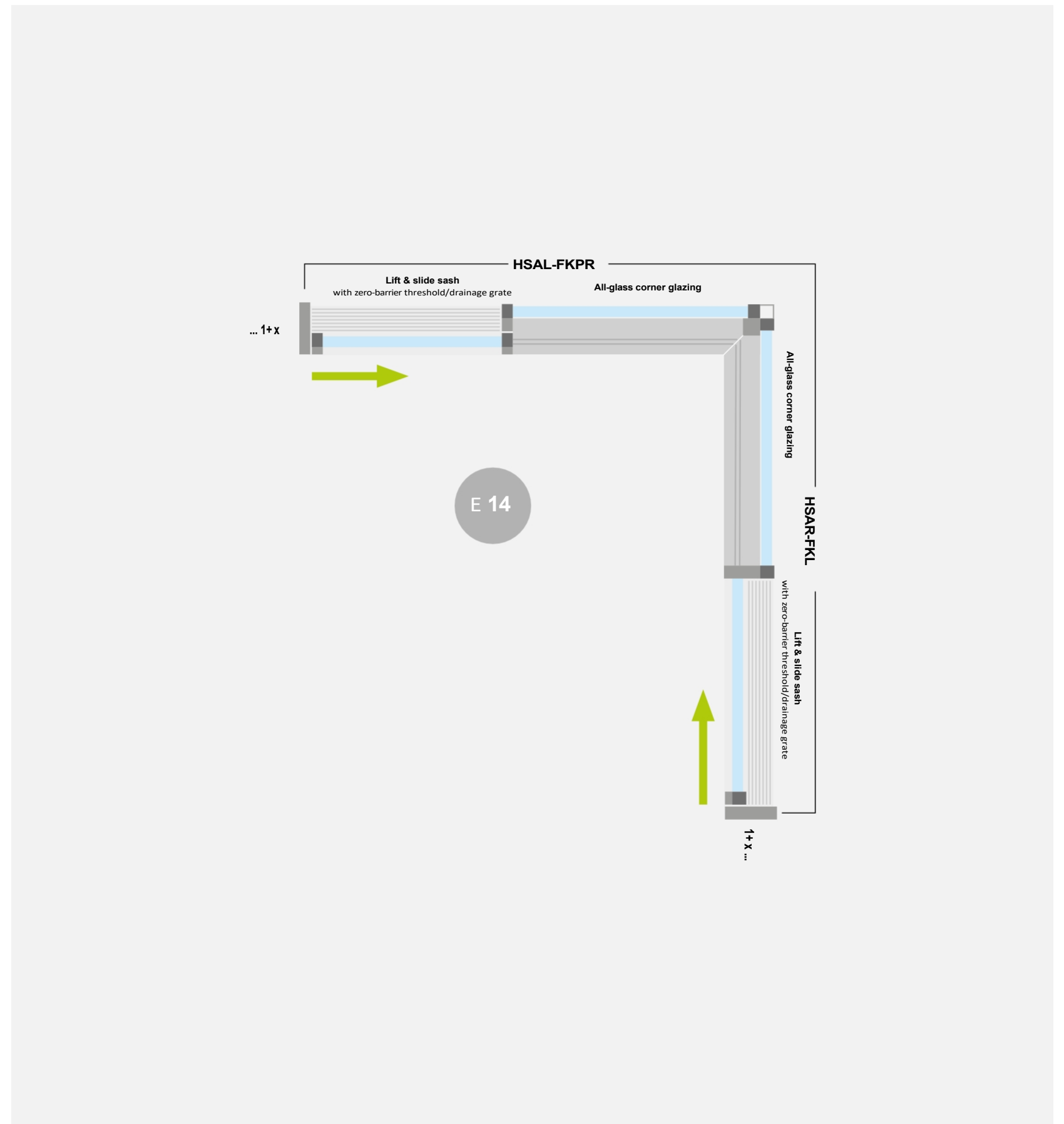
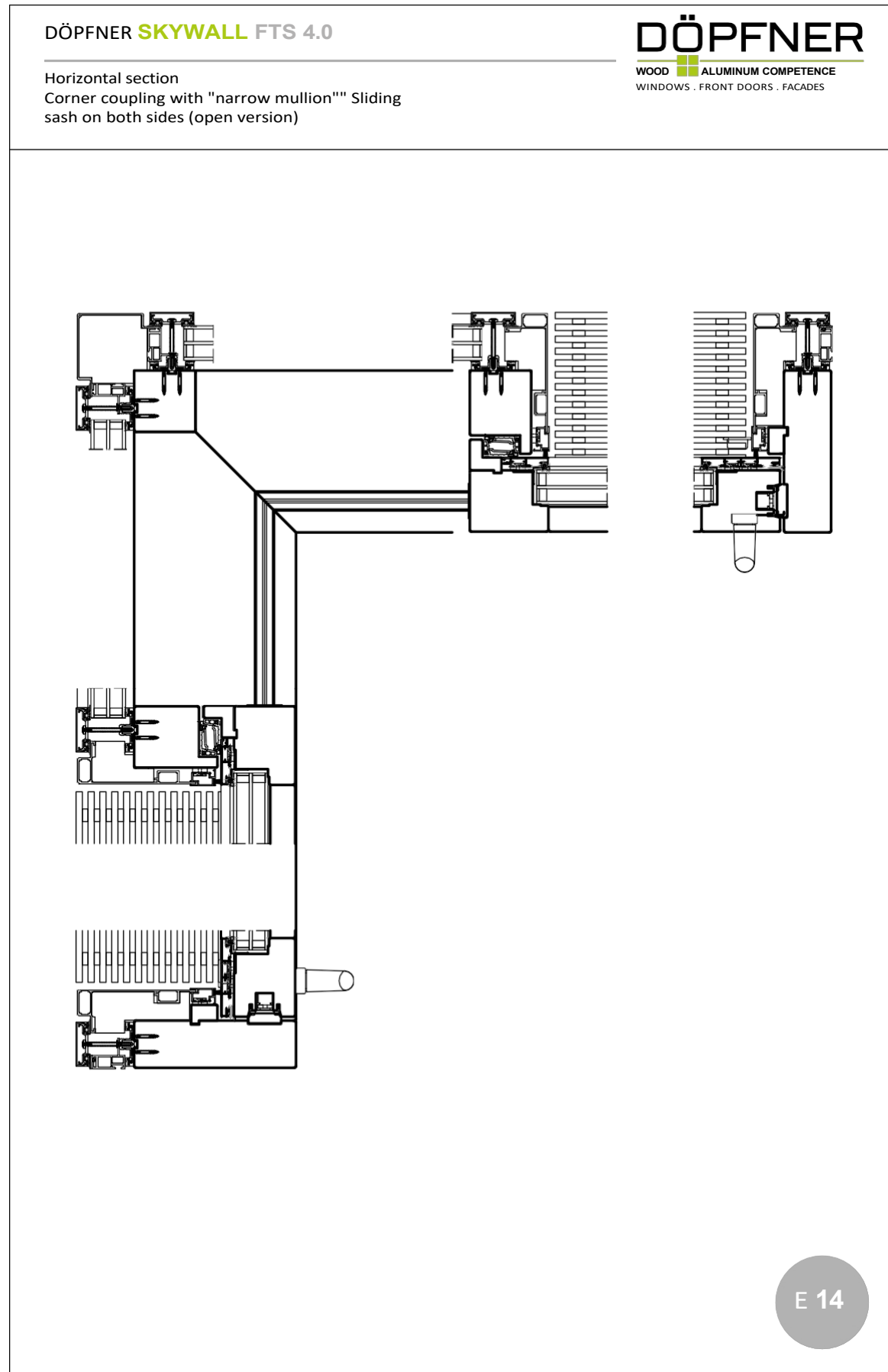
SKYWALL COMPENDIUM

Corner couplings with "narrow mullion" | Sliding sash on both sides (closed version)



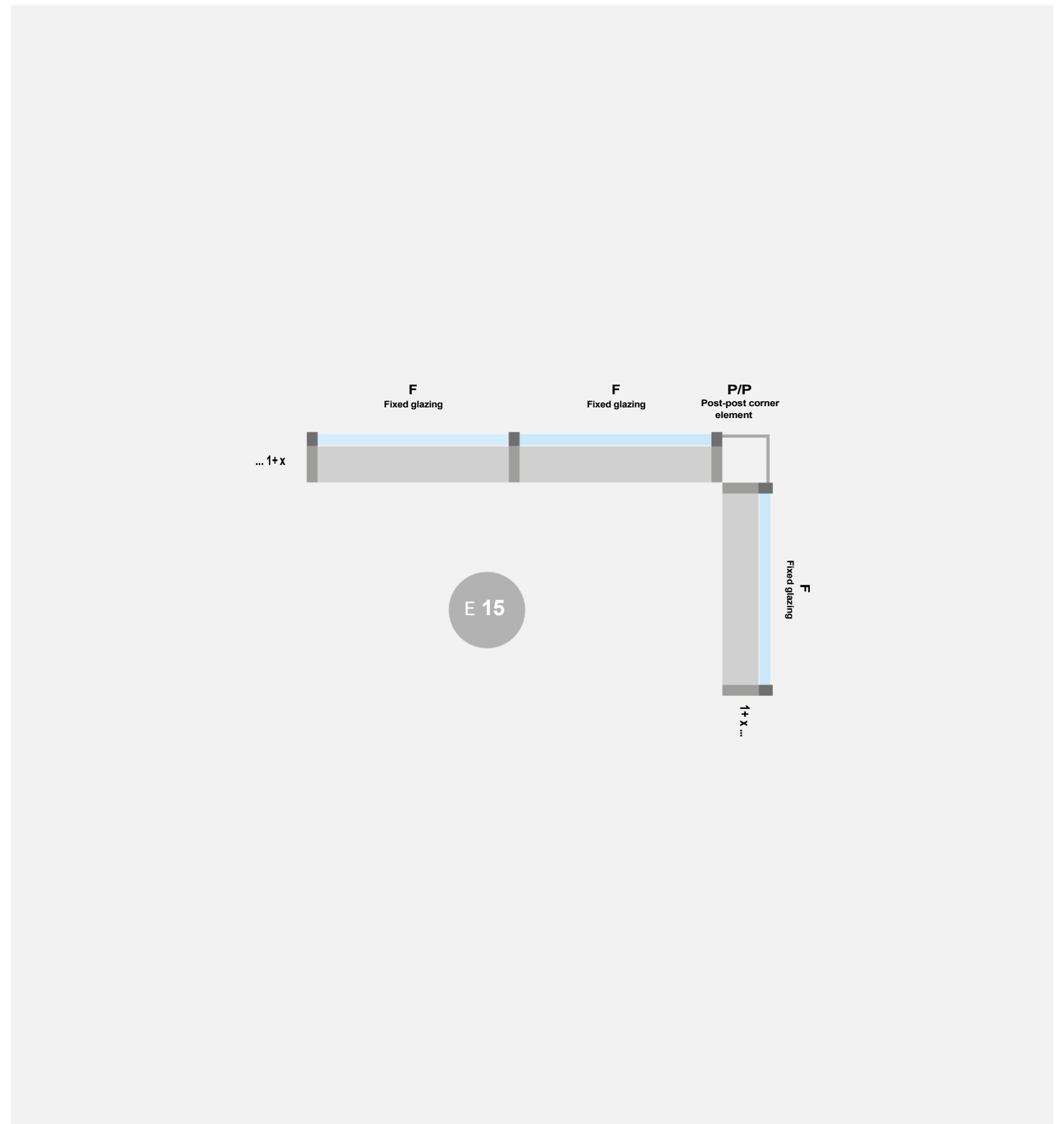
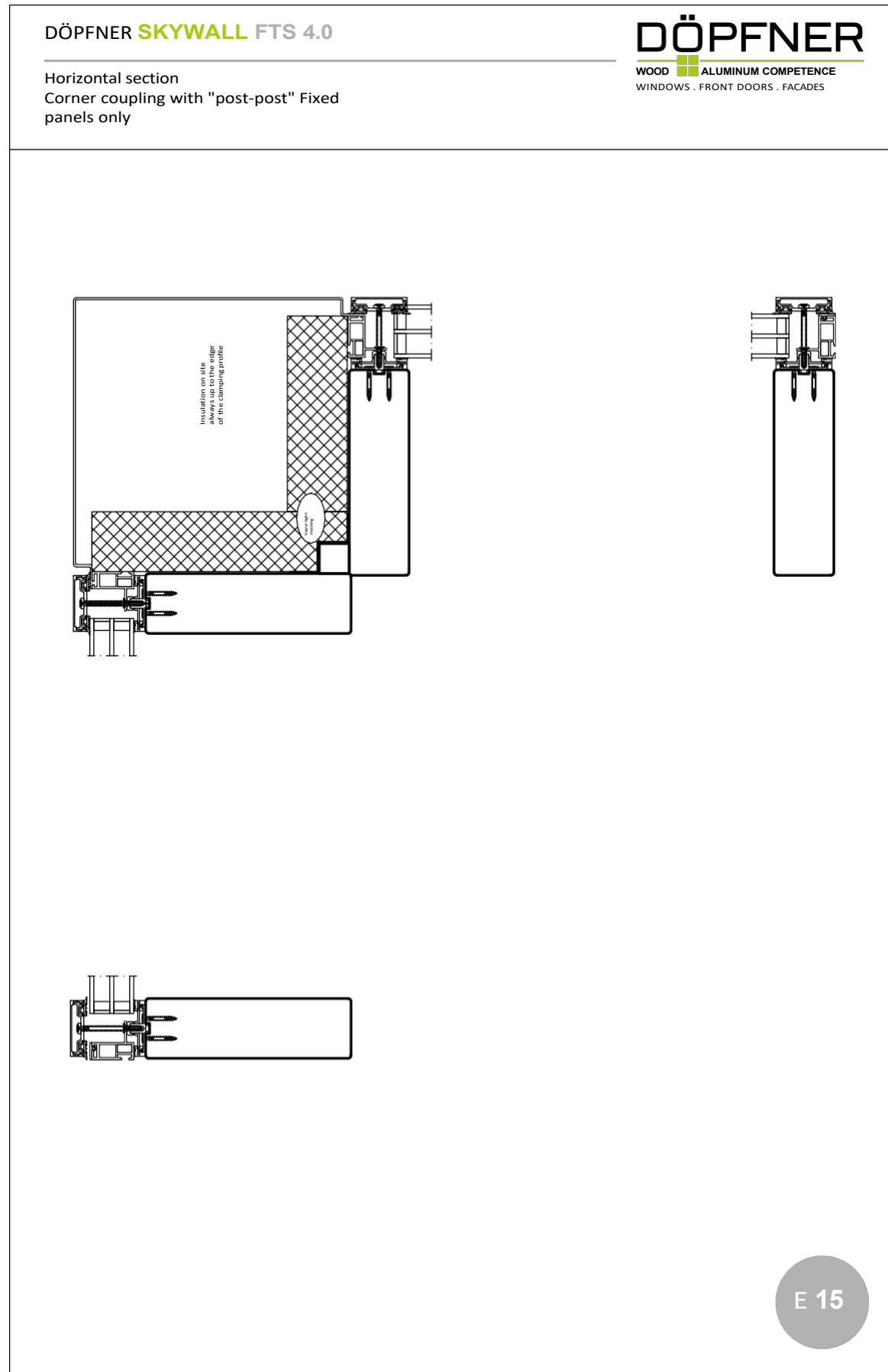
SKYWALL COMPENDIUM

Corner couplings with "narrow mullion" | Sliding sash on both sides (open version)



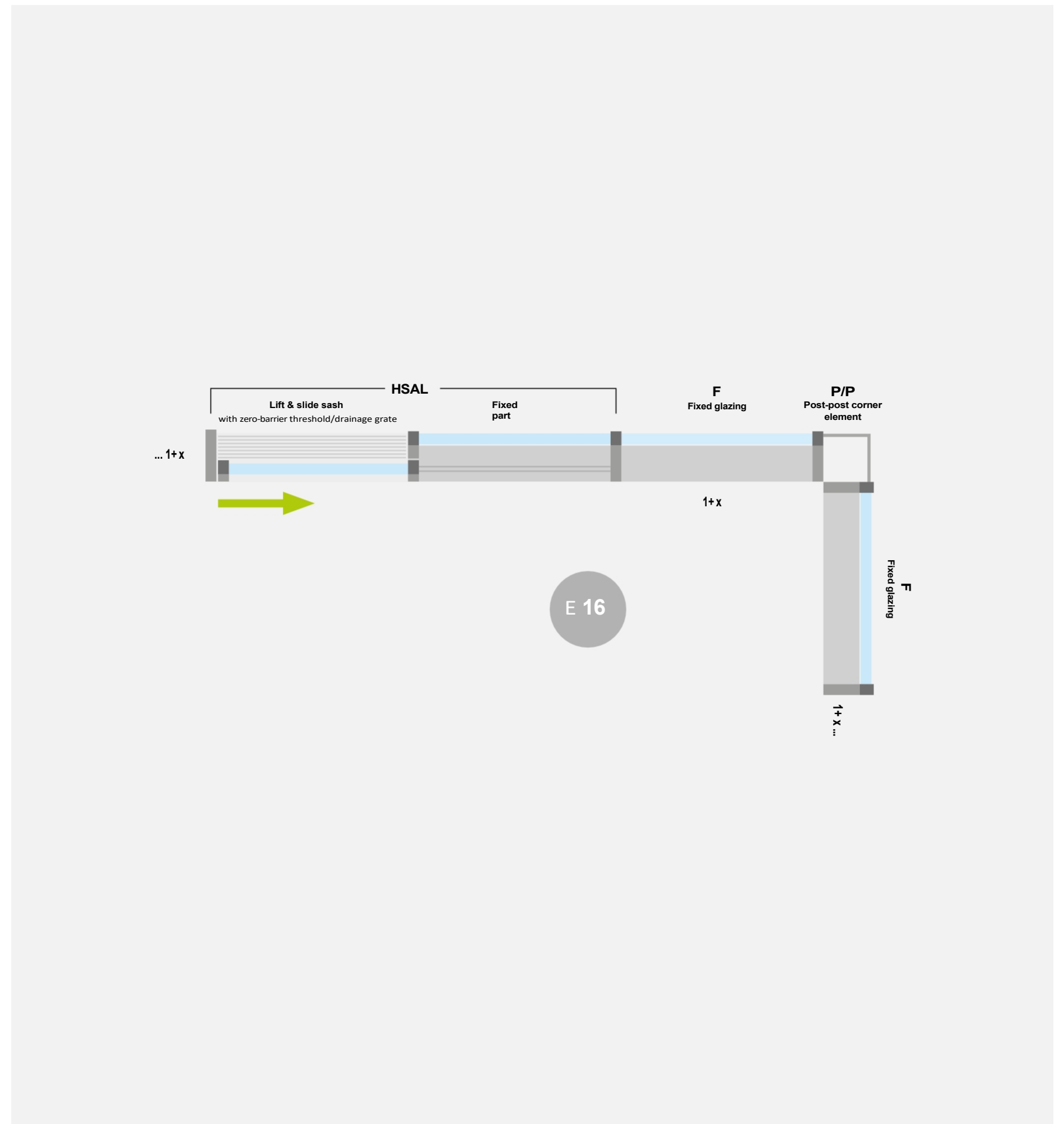
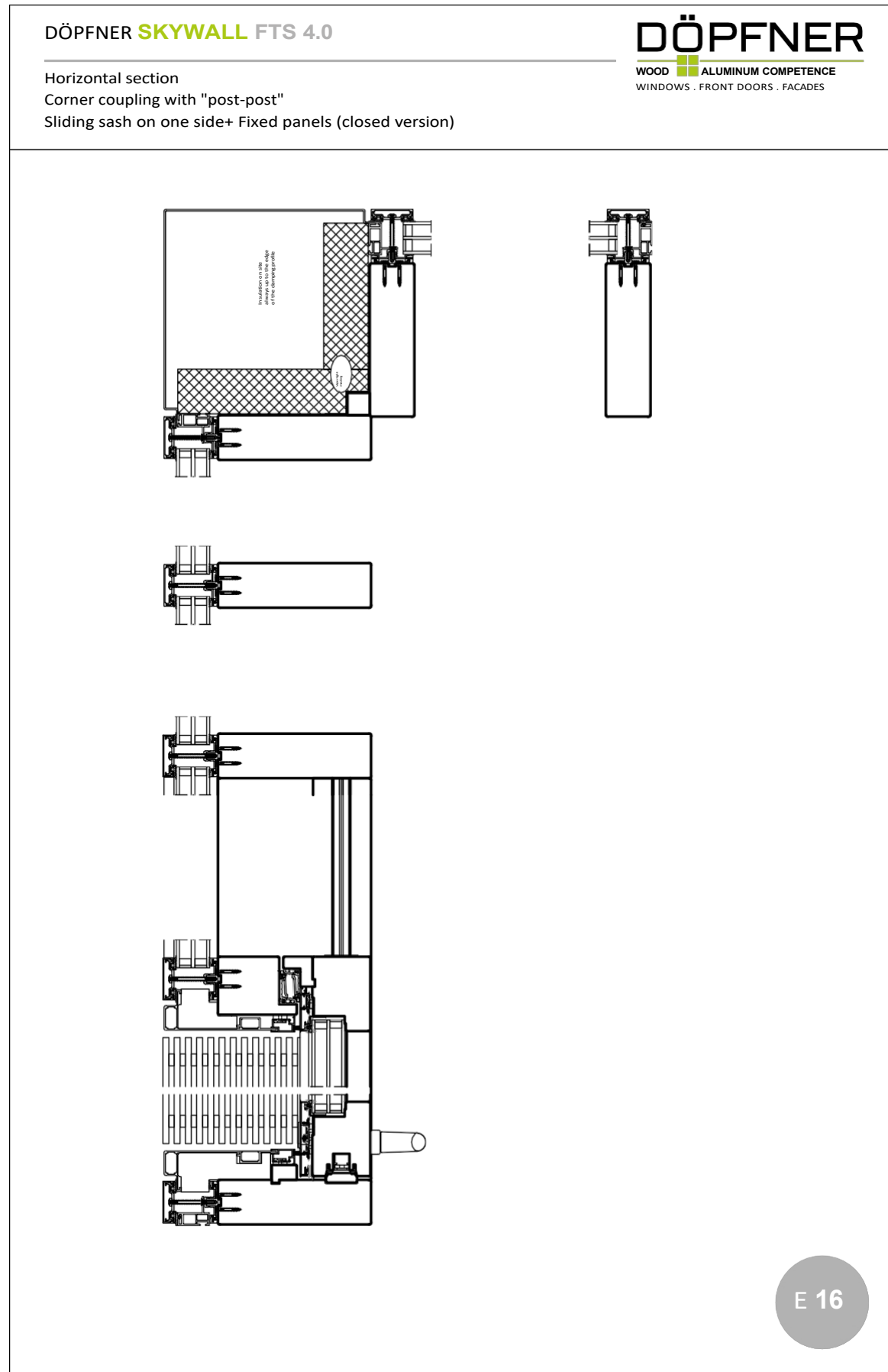
SKYWALL COMPENDIUM

Corner couplings with "post/post" | Fixed panels only



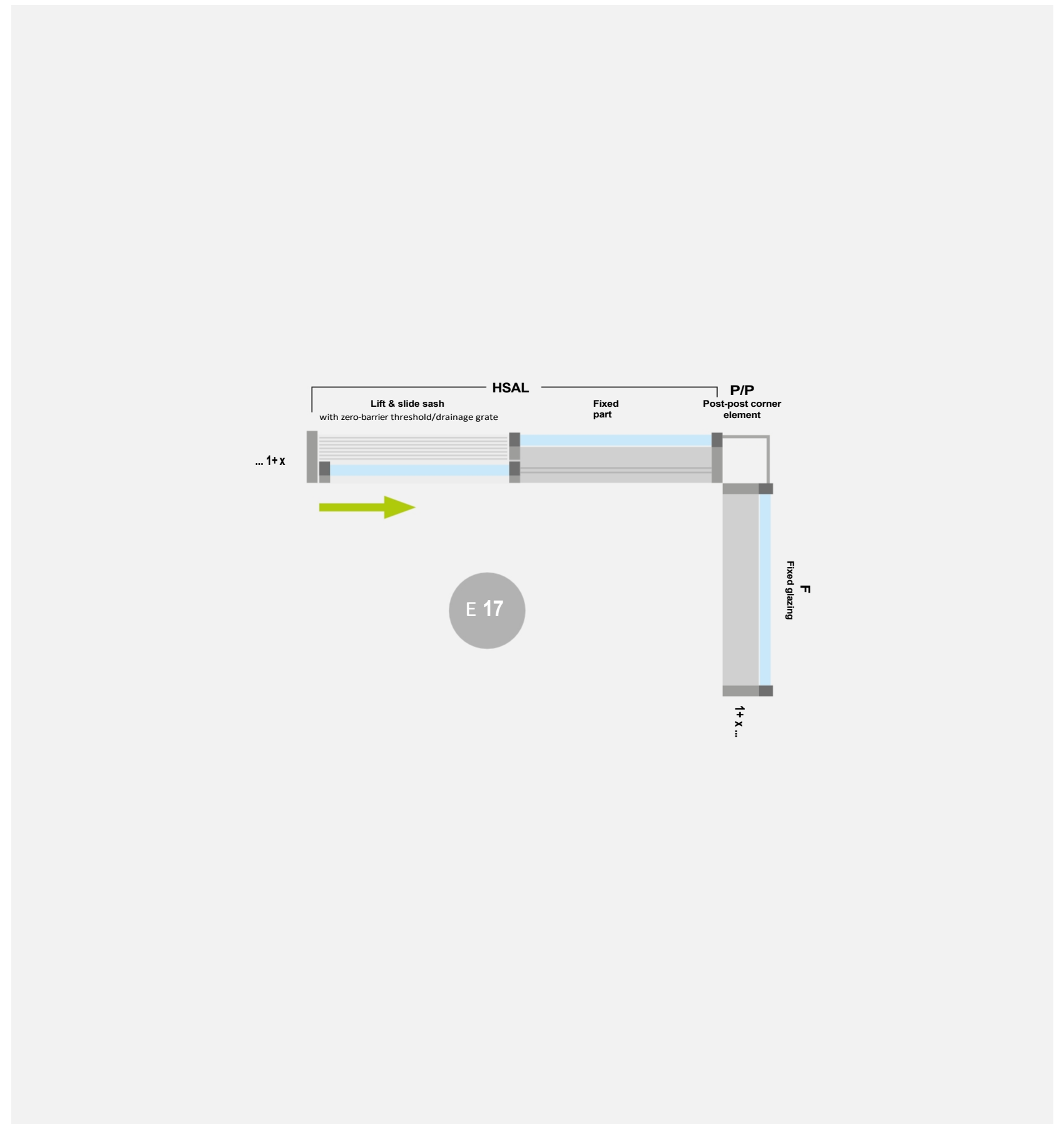
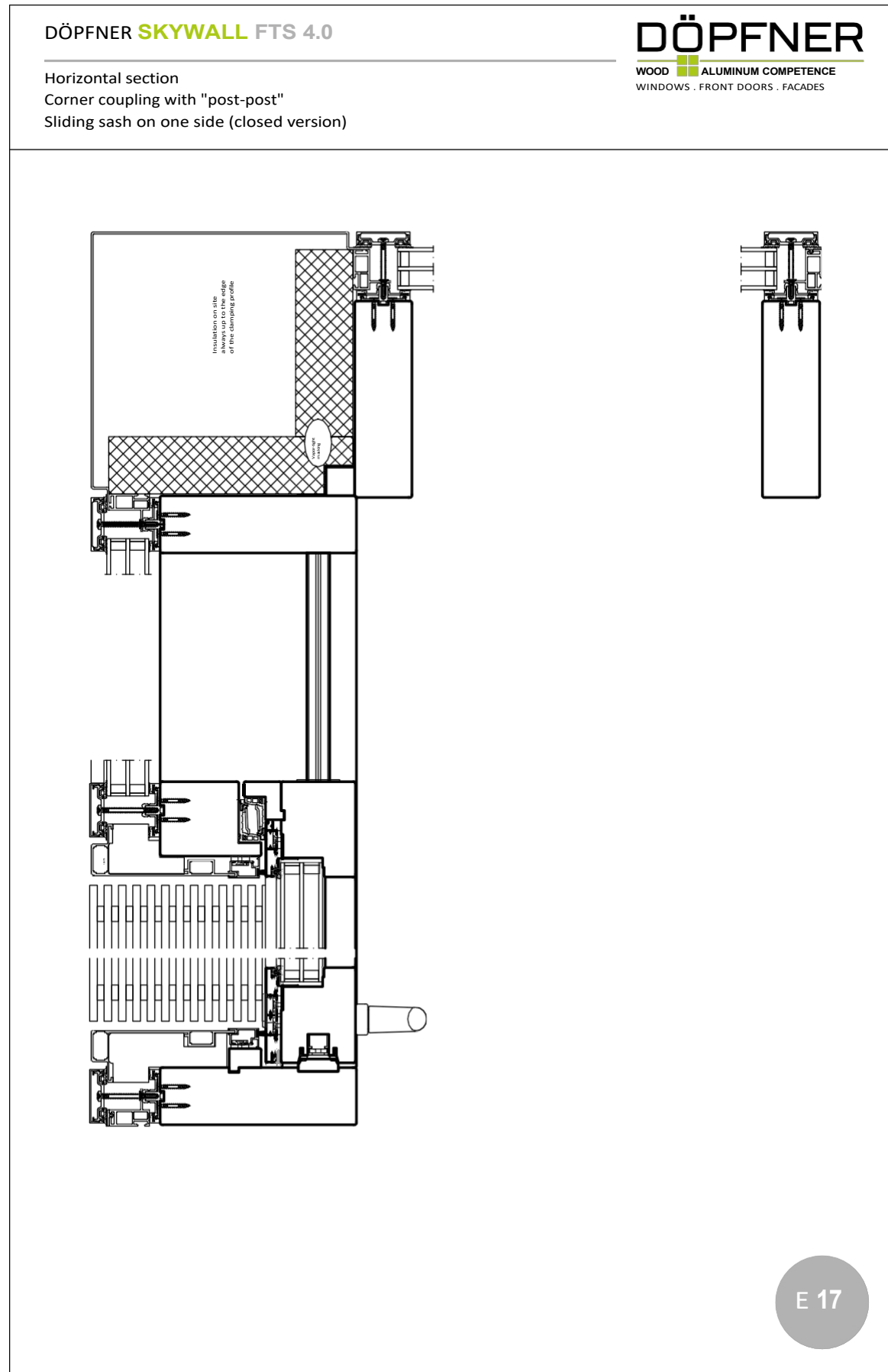
SKYWALL COMPENDIUM

Corner couplings with "mullion/mullion" | Sliding sash on one side+ Fixed panels (closed version)



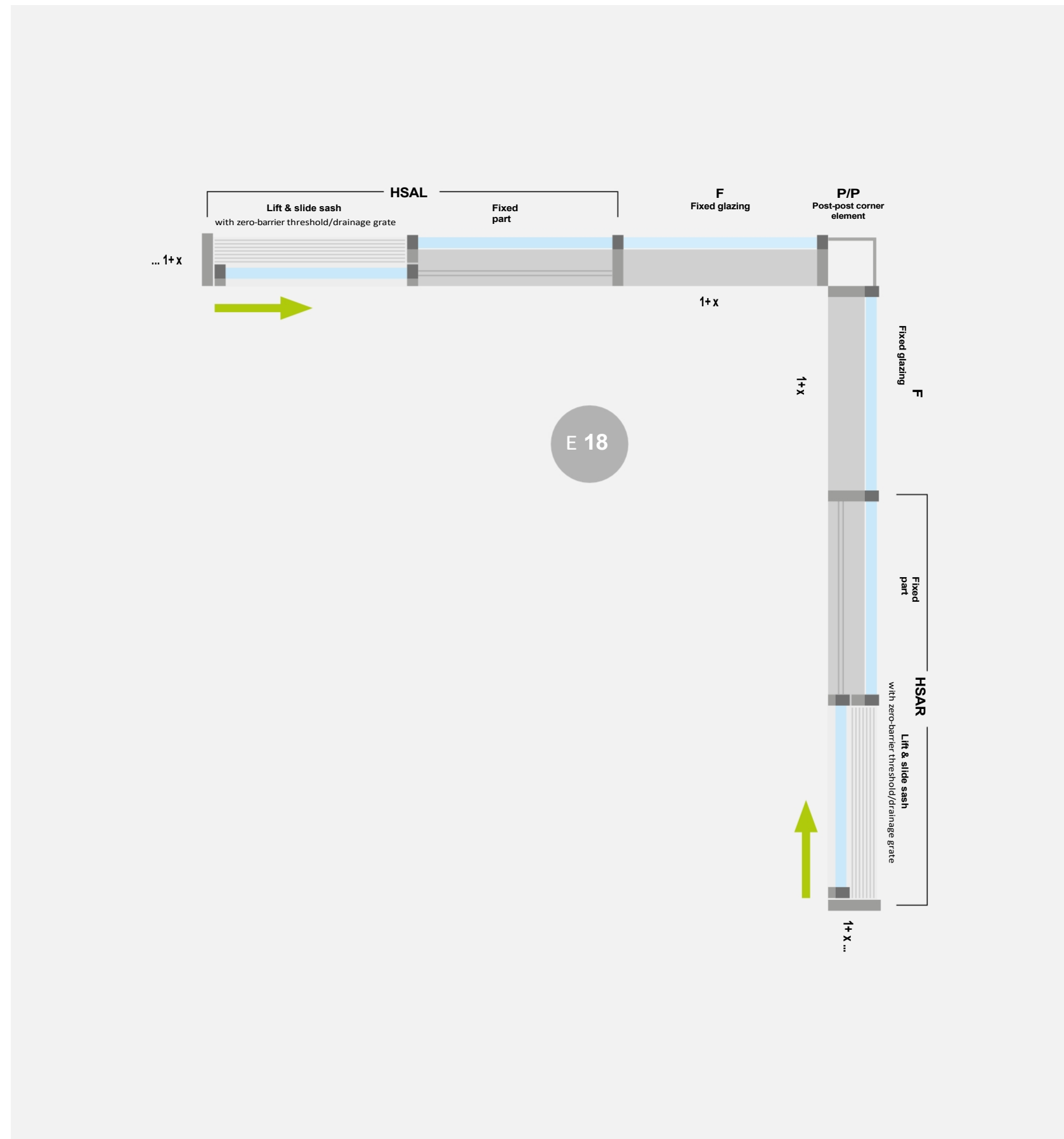
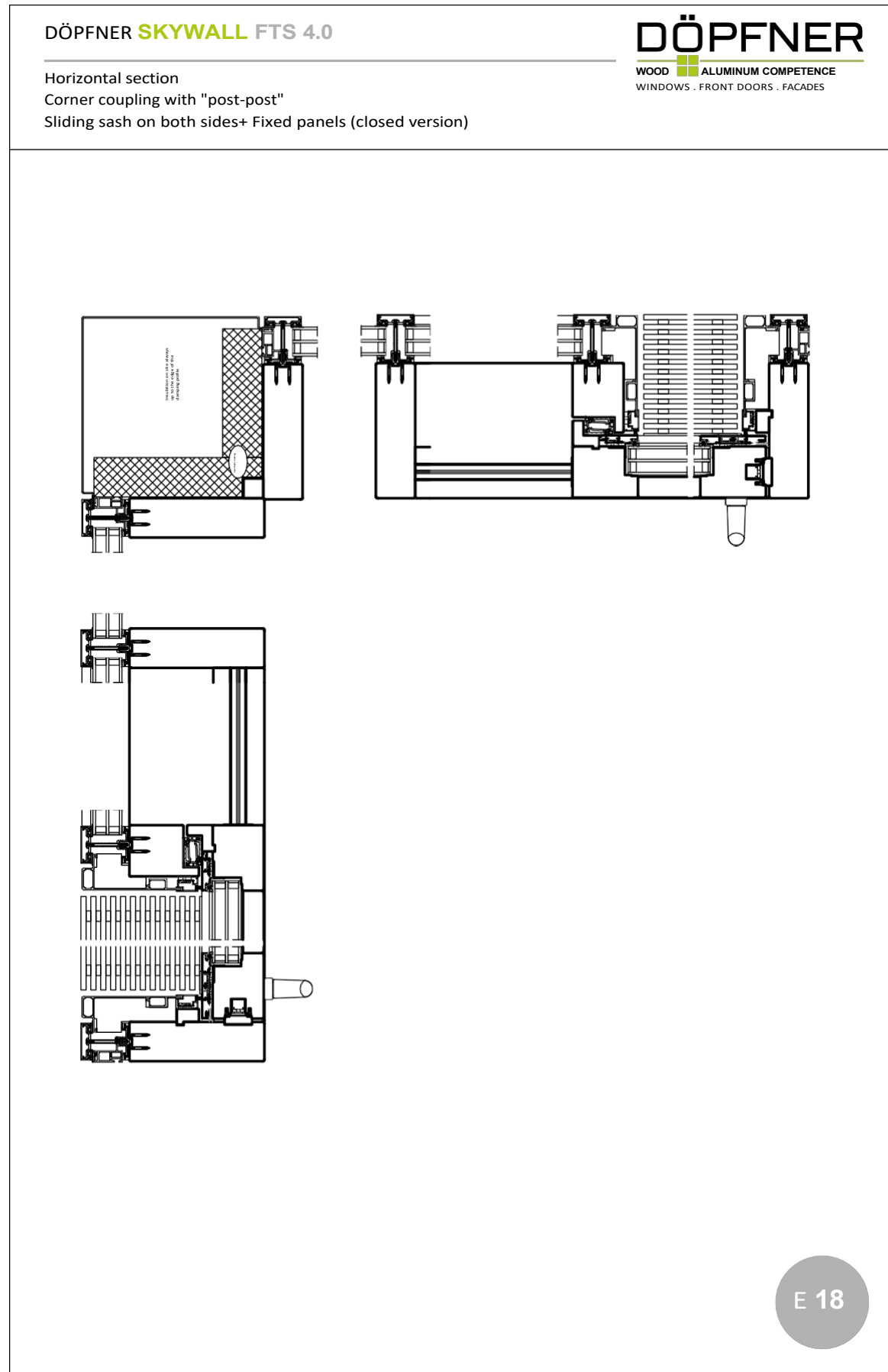
SKYWALL COMPENDIUM

Corner couplings with "mullion/mullion" | Sliding sash on one side (closed version)



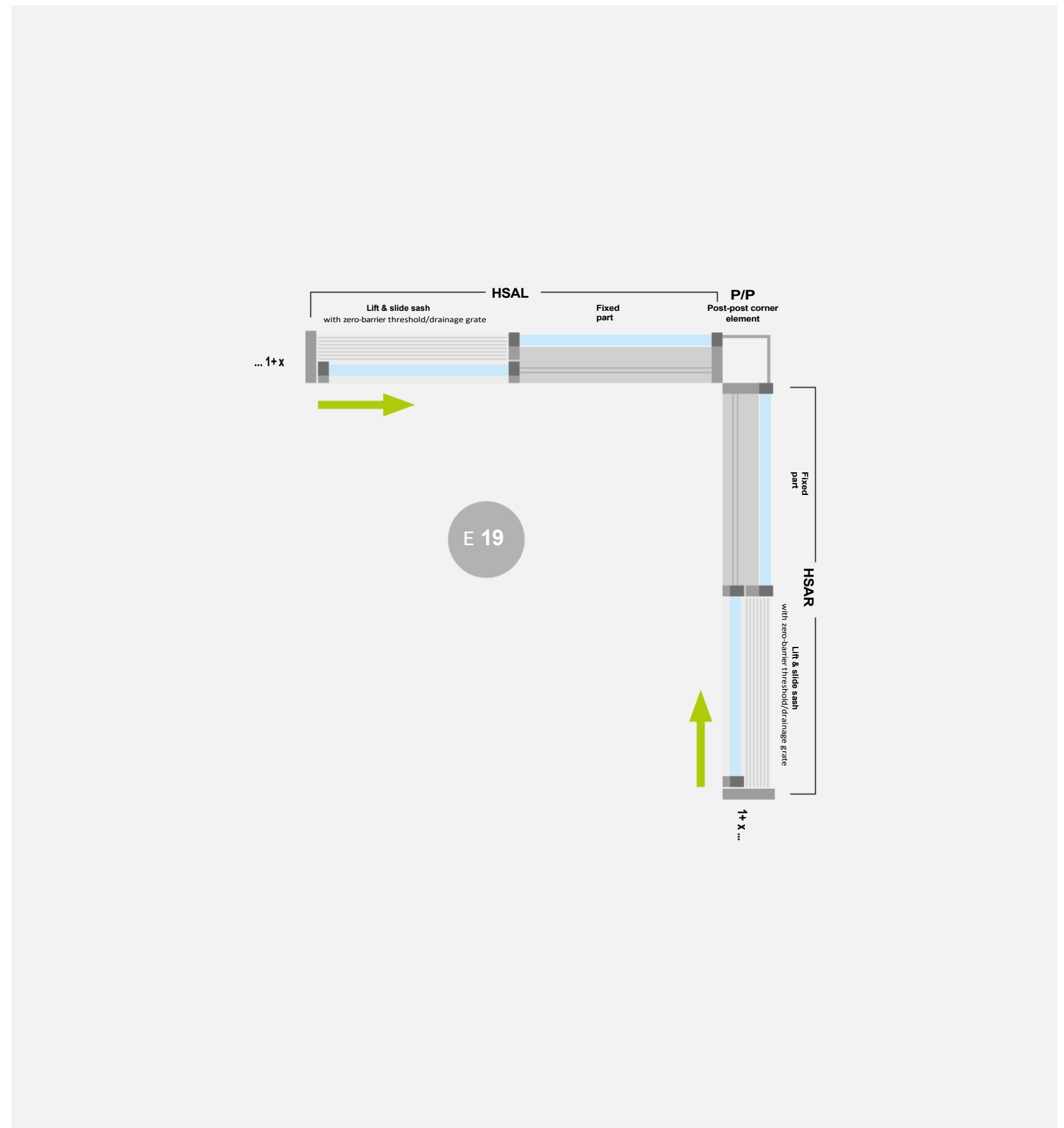
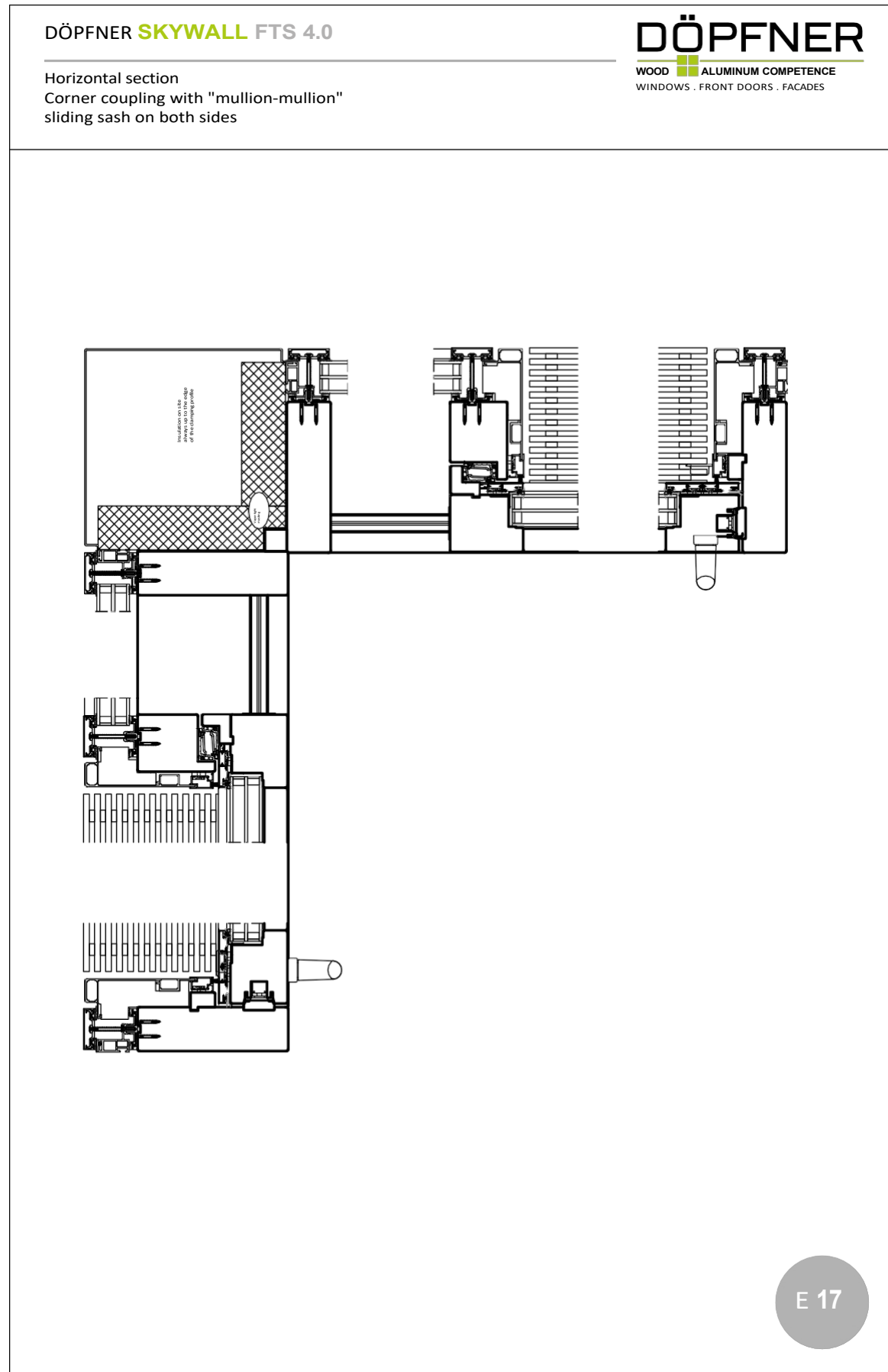
SKYWALL COMPENDIUM

Corner couplings with "mullion/mullion" | Sliding sash on both sides+ Fixed panels (closed version)



SKYWALL COMPENDIUM

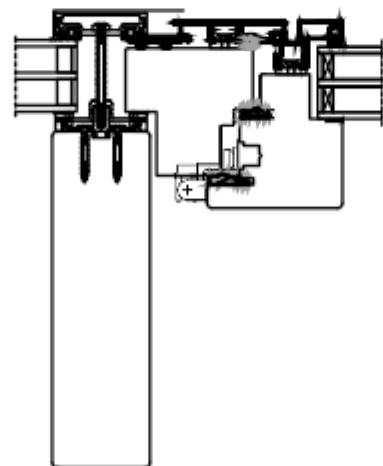
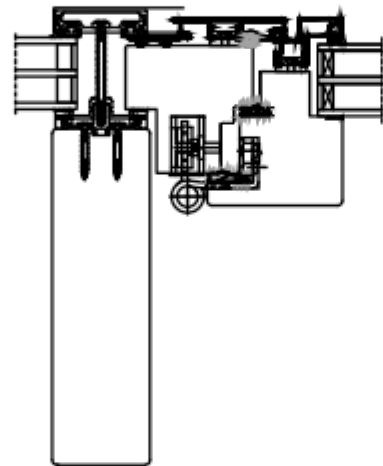
Corner couplings with "mullion/mullion" | Sliding sash on both sides



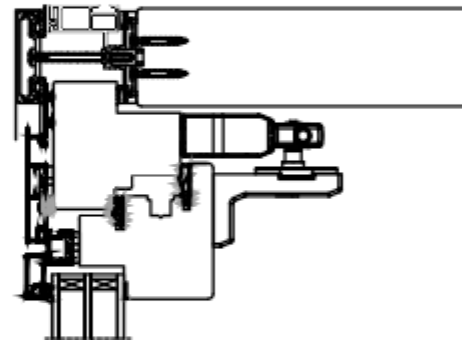
DÖPFNER SKYWALL FTS 4.0

D/DK window elements that can be integrated into the SKYWALL system | Wood-aluminum **CONTUR 2**

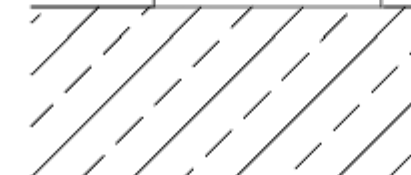
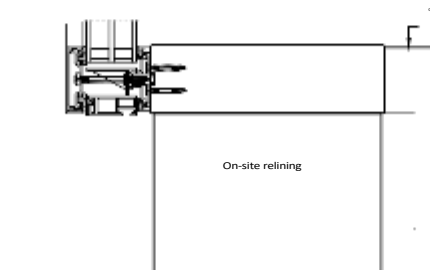
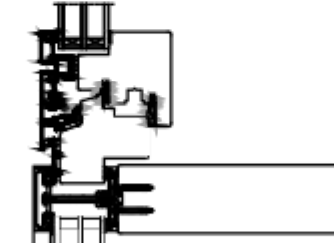
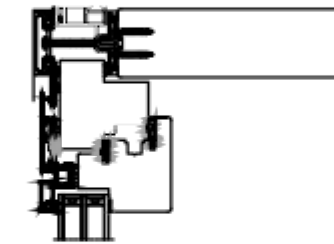
Horizontal section CONTUR 2
connections sash side double
pot Baka hinges|



Vertical section CONTUR 2
Sash top connections fanlight
opener



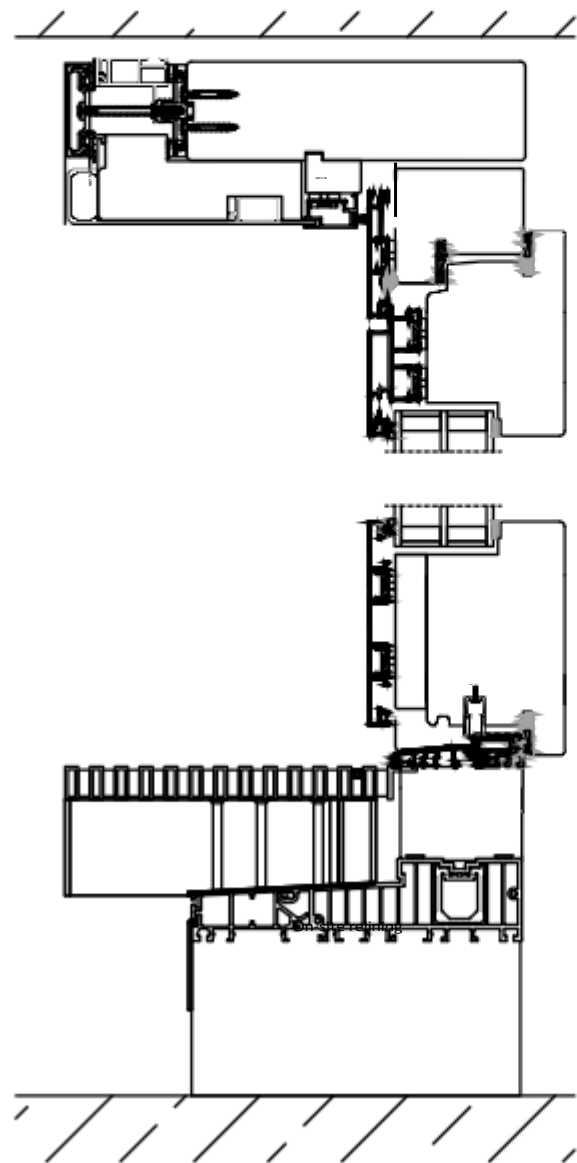
Vertical section CONTUR 2
Top window
Bottom fixed glazing



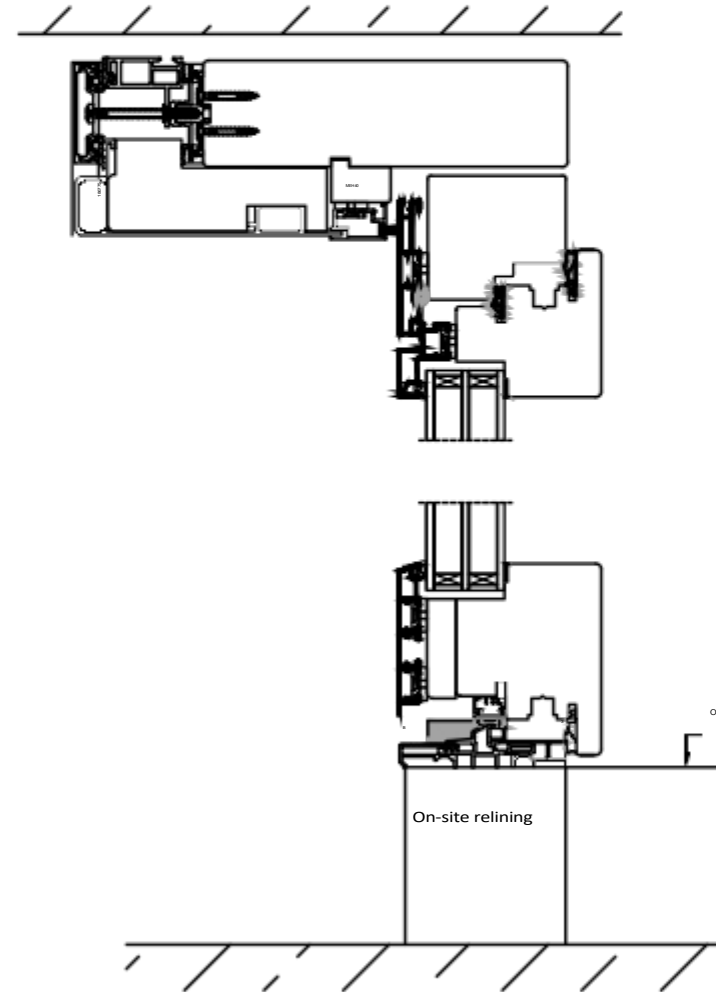
DÖPFNER SKYWALL FTS 4.0

Door elements that can be integrated into the SKYWALL system with threshold solutions | Wood-aluminum **CONTUR 2**

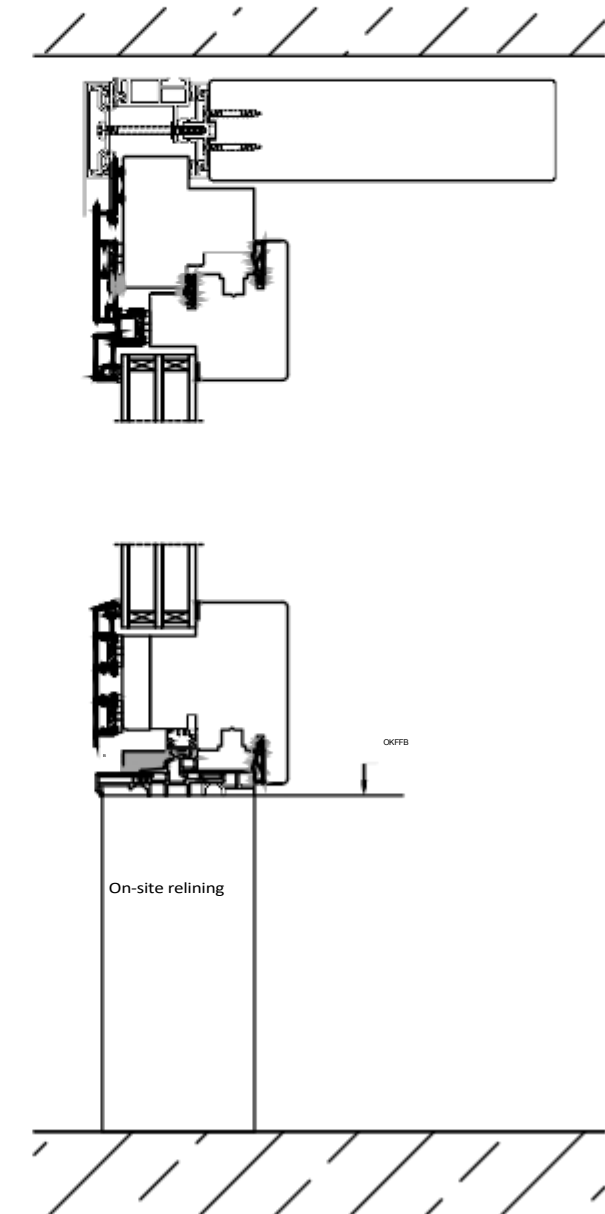
Vertical section CONTUR 2
front door
offset inwards



Vertical section CONTUR 2
balcony door
offset inwards



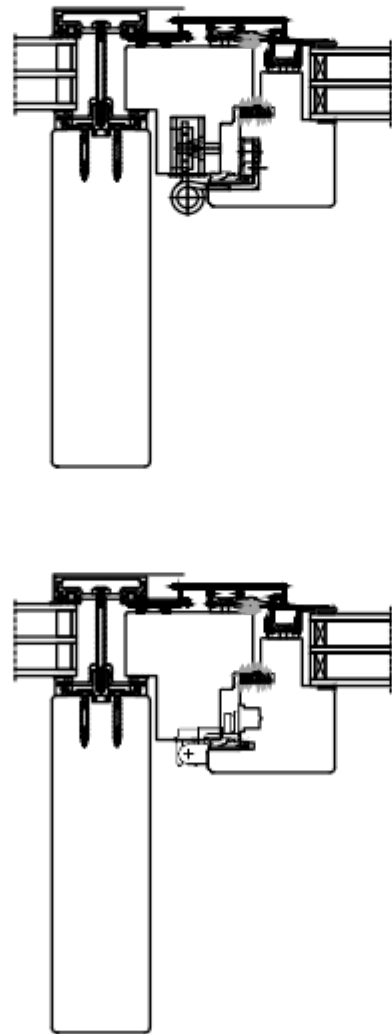
Vertical section CONTUR 2
balcony door
offset to the outside



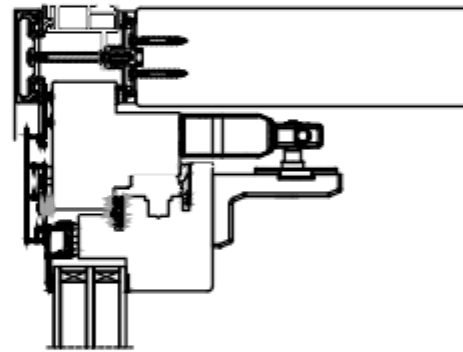
DÖPFNER SKYWALL FTS 4.0

D/DK window elements that can be integrated into the SKYWALL system | Wood-aluminum **CONTUR 3**

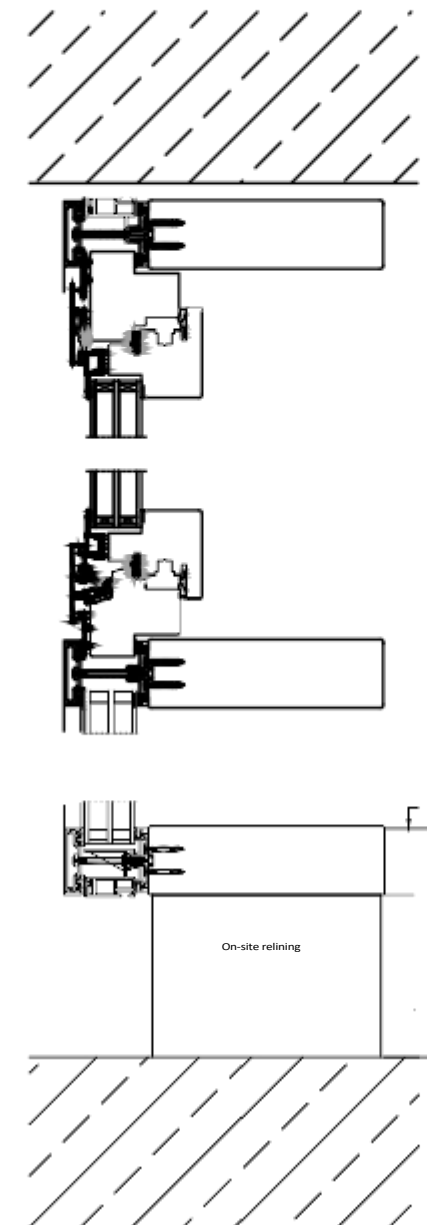
Horizontal section CONTUR 3
connections sash side double
pot Baka hinges |



Vertical section CONTUR 3
connections sash top fanlight
opener



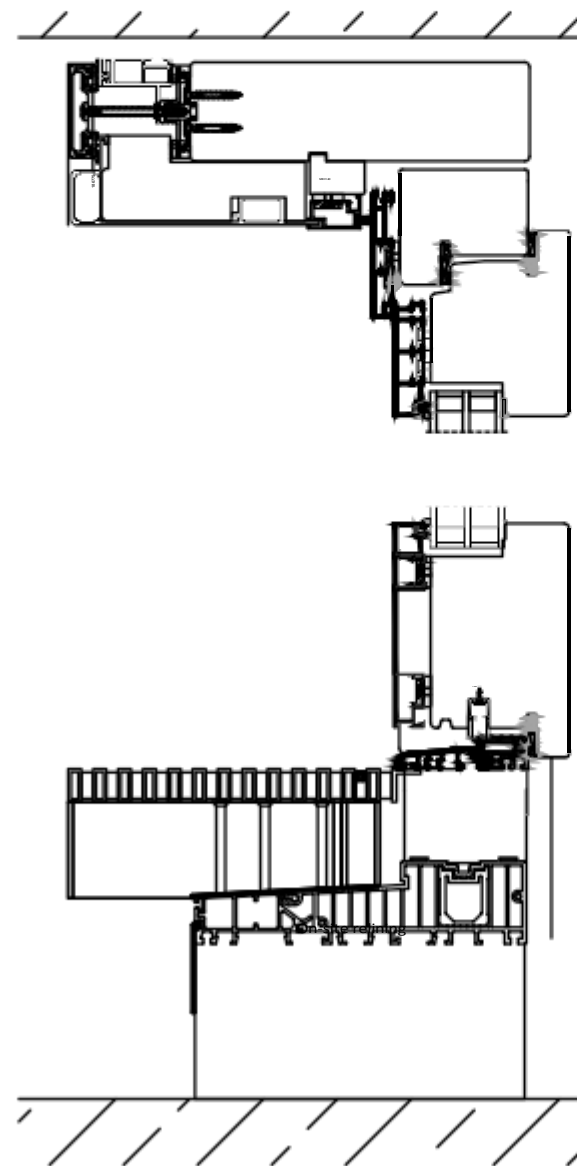
Vertical section CONTUR 3
Top window
Bottom fixed glazing



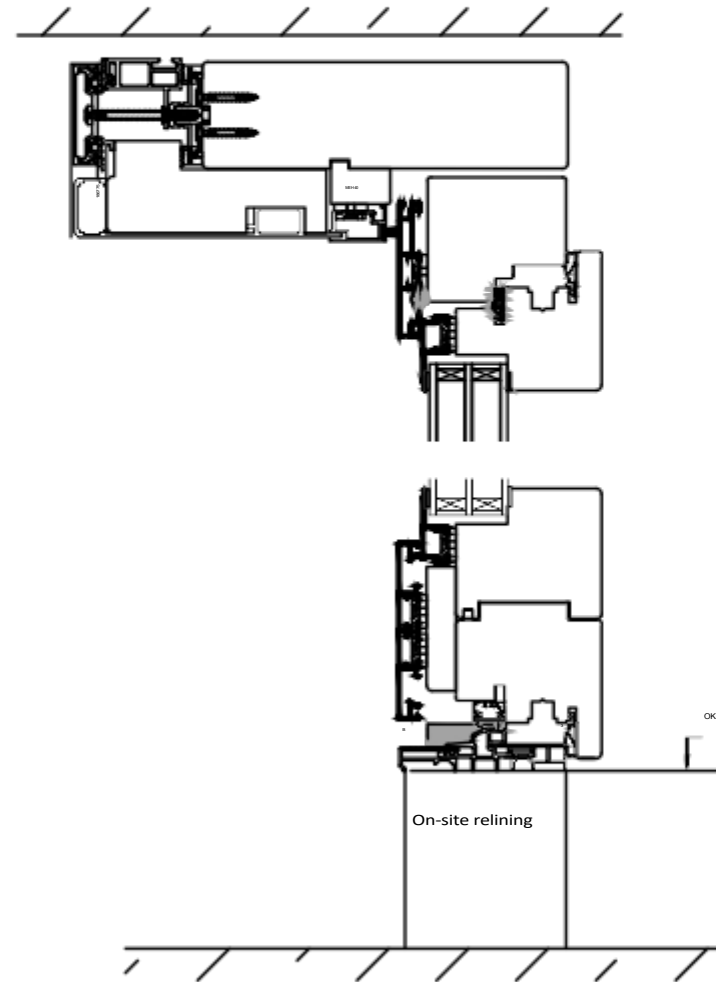
DÖPFNER SKYWALL FTS 4.0

Door elements that can be integrated into the SKYWALL system with threshold solutions | Wood-aluminum **CONTUR 3**

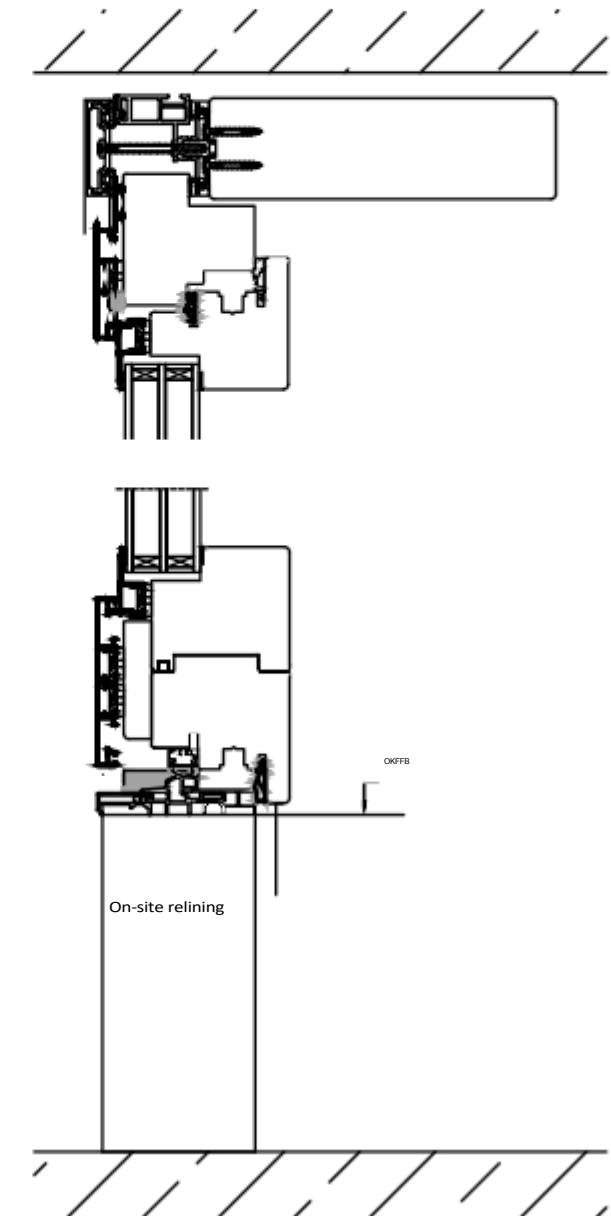
Vertical section CONTUR 3
front door
offset inwards



Vertical section CONTUR 3
balcony door
offset inwards



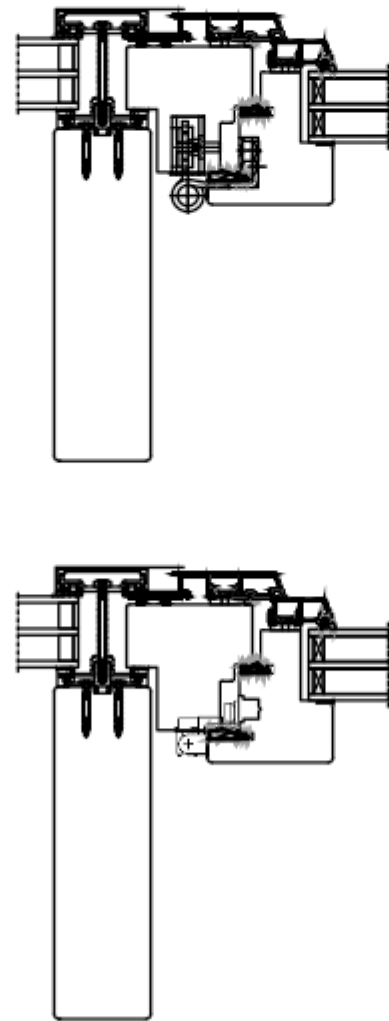
Vertical section CONTUR 3
balcony door
offset to the outside



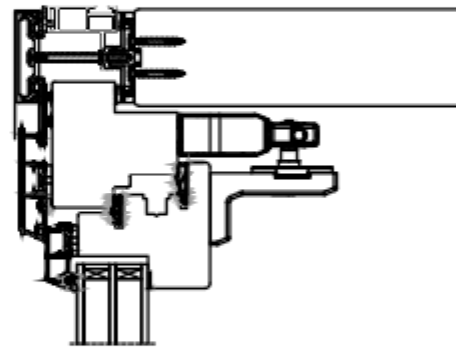
DÖPFNER SKYWALL FTS 4.0

D/DK window elements that can be integrated into the SKYWALL system | Wood-aluminum **SLIM 1**

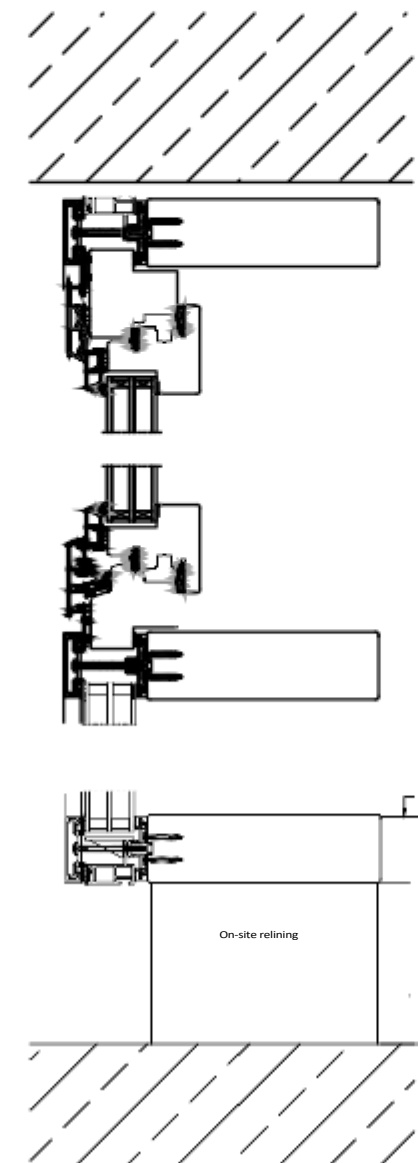
Horizontal section SLIM 1
connections Sash sideways
Double pot | Baka hinges



Vertical section SLIM 1
Sash top connections
fanlight opener



Vertical section SLIM 1 Top
window
Bottom fixed glazing

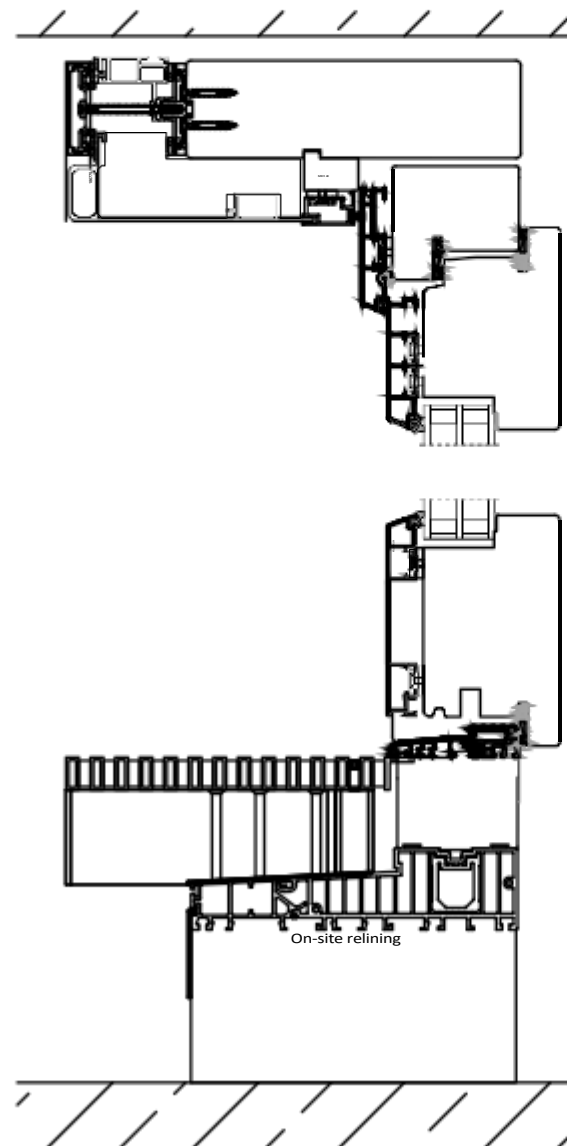


Slide-in units SLIM 1

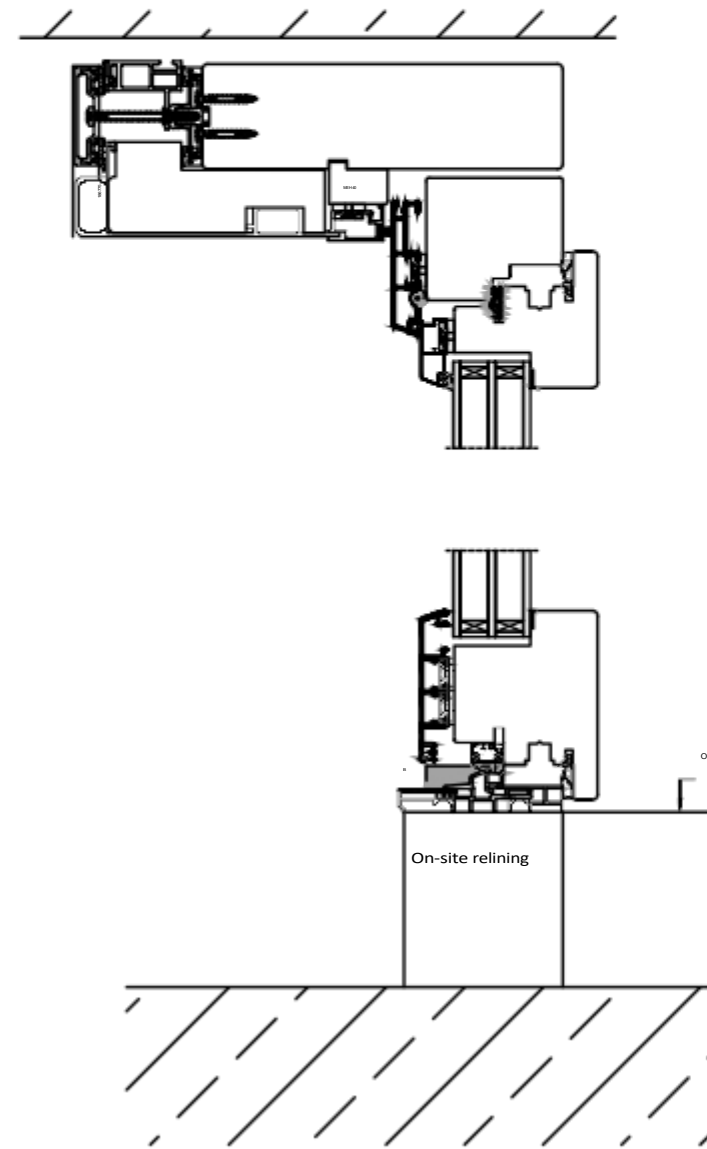
DÖPFNER SKYWALL FTS 4.0

Door elements that can be integrated into the SKYWALL system with threshold solutions | Wood-aluminum **SLIM 1**

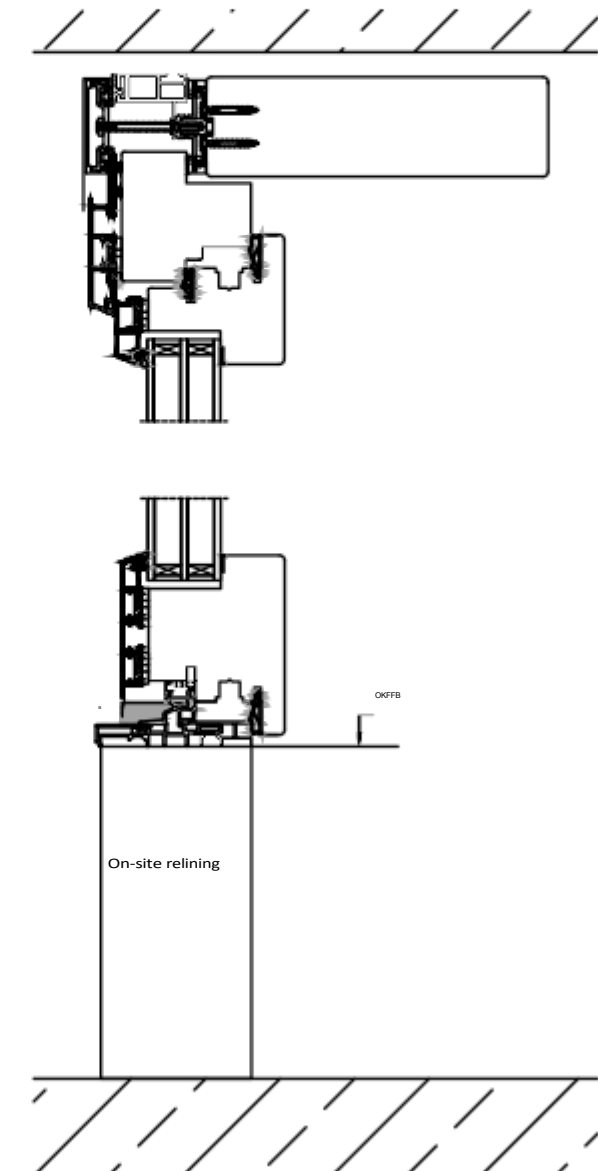
Vertical section SLIM 1
front door
offset inwards



Vertical section SLIM 1
balcony door
offset inwards



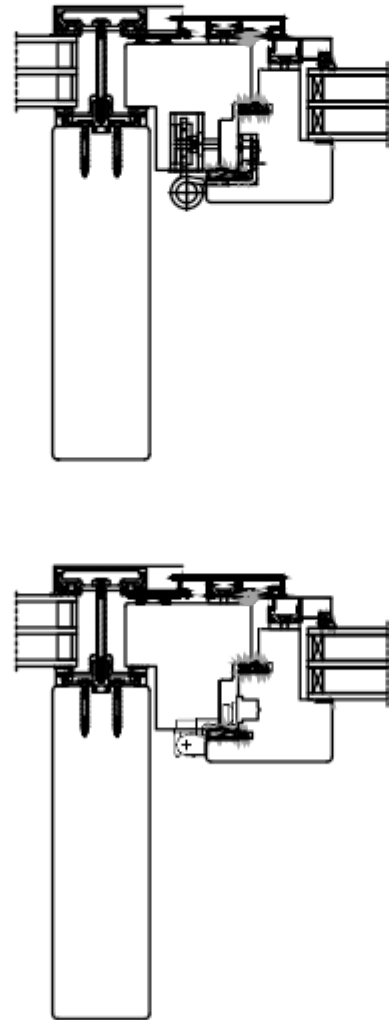
Vertical section SLIM 1
balcony door
offset to the outside



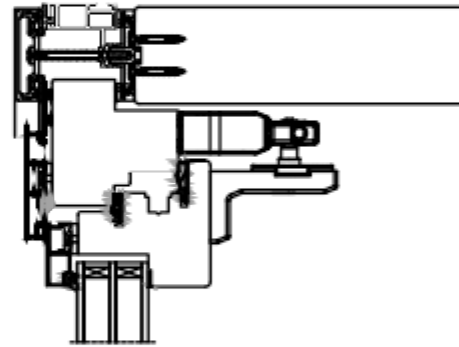
DÖPFNER SKYWALL FTS 4.0

D/DK window elements that can be integrated into the SKYWALL system | Wood-aluminum **SLIM 3**

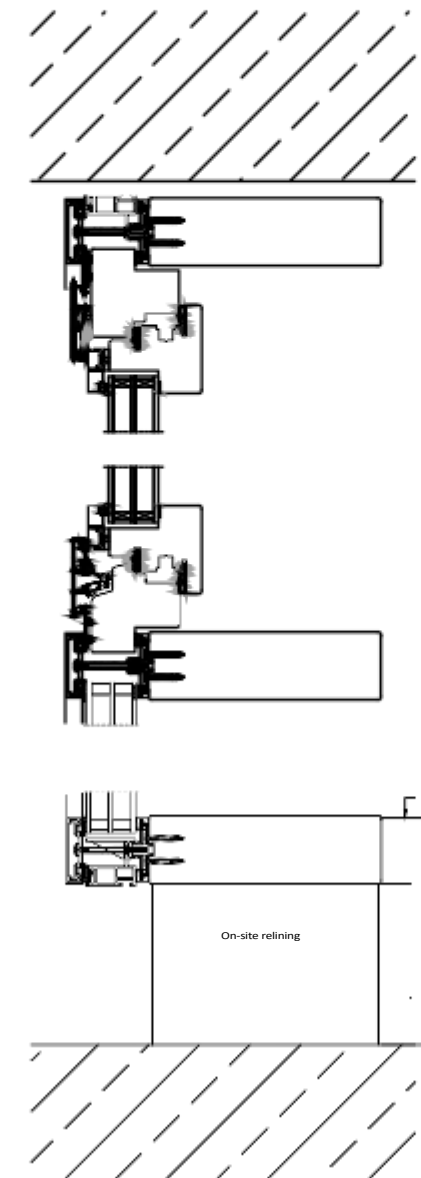
Horizontal section SLIM 3
connections Sash sideways
Double pot | Baka hinges



Vertical section SLIM 3
Sash top connections
fanlight opener



Vertical section SLIM 3 Top
window
Bottom fixed glazing

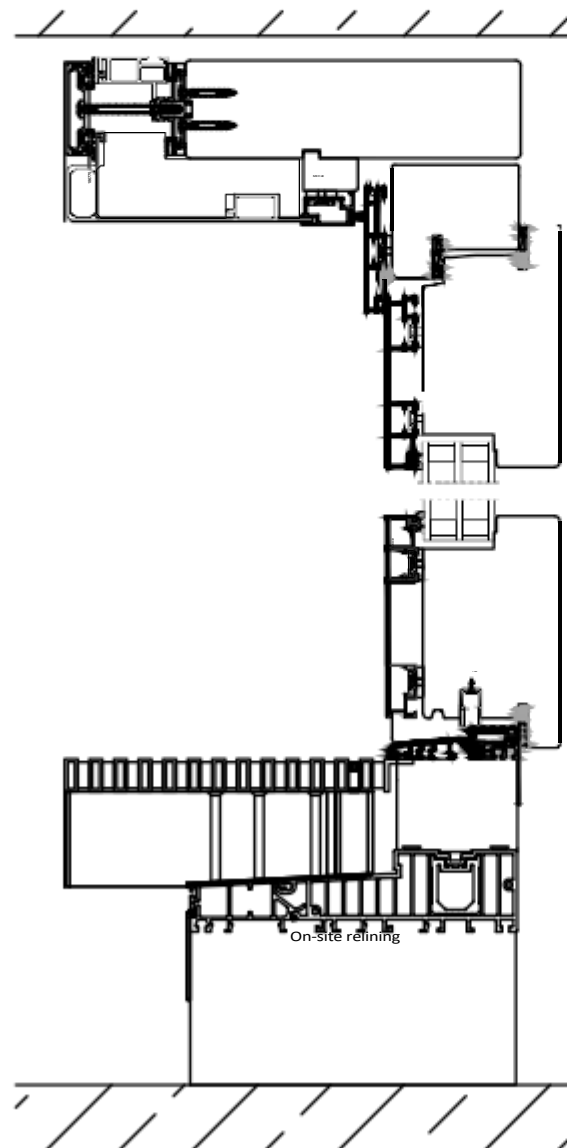


Slide-in elements SLIM 3

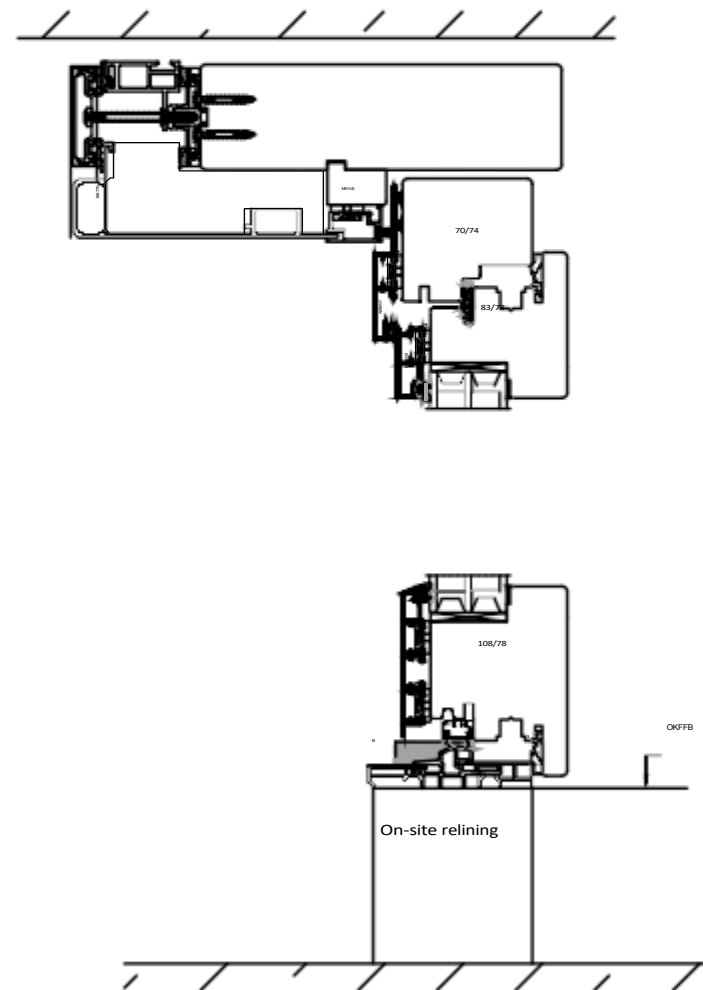
DÖPFNER SKYWALL FTS 4.0

Door elements that can be integrated into the SKYWALL system with threshold solutions | Wood-aluminum **SLIM 3**

Vertical section SLIM 3
front door
offset inwards



Vertical section SLIM 3
balcony door
offset inwards



Vertical section SLIM 3
balcony door
offset to the outside

