

Profile system

- ☐ Glass folding door with thermally insulated aluminum profiles
- ☐ Bottom-loaded construction
- ☐ The construction depth of the profiles is 75 mm
- ☐ Rear-ventilated wooden cladding inside
- ☐ Option of flush or weathered bottom track
- ☐ The flush bottom track is particularly suitable for use in „Barrier-free dwellings“ according to DIN 18 025
- ☐ Panel open to the inside or outside
- ☐ Opening of panels by sliding to one side or to both sides
- ☐ Flush running and guide tracks
- ☐ Height variations and expansions may be compensated

Tests

- ☐ U_w up to 1,5 W/m²k (with glazing $U_g = 0,7$ W/m²k)
- ☐ Air permeability class 4 according to EN 12207
- ☐ Rain tightness class E900 according to EN 12208
- ☐ Resistance to wind load class B4 according to EN 12210
- ☐ Airborne sound insulation value $R_w = 36$ dB according to DIN EN ISO 140-3
- ☐ Burglar-resistance up to resistance class 2 (WK2)

Fittings

- ☐ All fittings are concealed within the profiles
- ☐ Low-maintenance, non-corroding and failsafe hardware components
- ☐ Locking of panels in top and bottom track and/or via mushroom head-lock engaging into the frame or adjacent panel
- ☐ Locking and unlocking of panels via flat handles with locking device for burglar resistance
- ☐ Optionally fitted with different lock types
- ☐ Hinges are secured against knocking-out of the pivot pins (burglar resistance)
- ☐ An open turn panel may be securely fixed to the adjacent panel by panel catchers

Running assembly

- ☐ Easy adjustment due to a height-adjustable carriage system
- ☐ The running assemblies are located above the water drainage area
- ☐ Low-noise, wear-, heat- and cold-resistant rollers

Sealing and ventilation

- ☐ Using EPDM gaskets at two levels guarantees rain- and wind-proofness

Glazing

- ☐ Glazing configuration between 28 mm is possible
- ☐ Subsequent replacement of panes without difficulty



Testreport No.23-21/09E, No. 40-29/09 und No. 40-30/09



Testreport ATT 11.11.801.01



tested SUNFLEX Quality

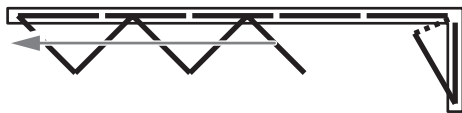
SG - Bauakustik
Institut für schalltechnische Produktoptimierung

Testreport 1286-001-10

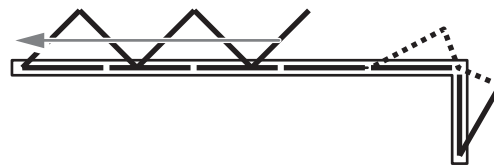
Folding Sliding System SF55c

Corner angles 90°-180° with or without corner post (only available with special corner post/special design!)

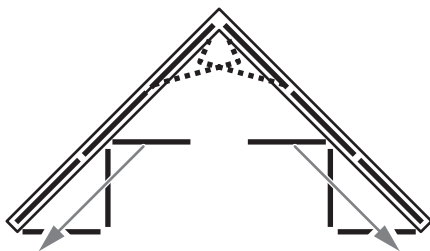
Typ I



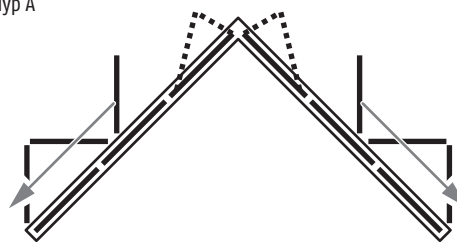
Typ A



Typ I

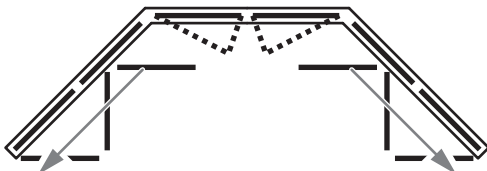


Typ A

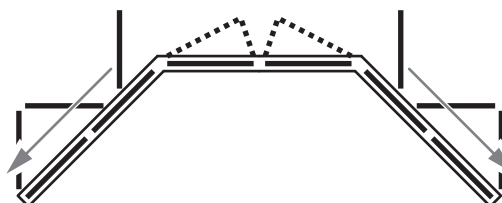


Corner angles 90°-180° (only available with special corner post/special design!)

Typ I



Typ A



Other floor plan geometries upon request

Typ A = Outward opening of panels Typ I = Inward opening of panels



Safety

The panels are locked and unlocked by means of a user-friendly single-handed manipulation of robust flat handles. For additional safety, different types of locks are available.



Mushroom head lock

For optimal tightness and burglar resistance the doorway panel (turn panel) is laterally being connected to the frame or the adjacent panel through a mushroom head lock.



Safety function panel catcher

In any opening position of the folding system an open turn panel may be safely locked to the adjacent panel by means of safety function panel catchers and be carried along in a controlled way.



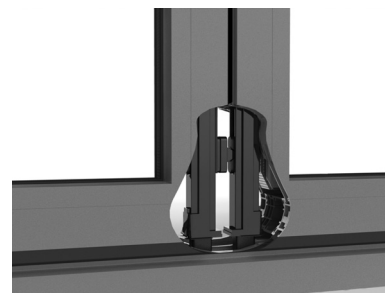
Burglar resistance

All external hinges are additionally secured by means of a safety screw against knocking out of the hinge bolts.



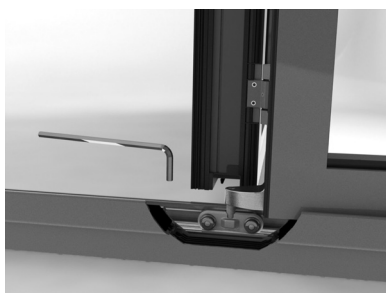
Proper handle series

Handles matching the profile design guarantee a harmonized overall picture of the folding system in closed state and a small panel package in open state.



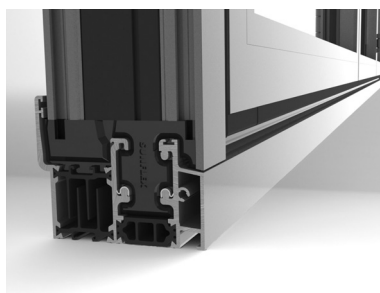
Twin-Lock locking mechanism

To guarantee additional safety, the optionally available twin-lock locking mechanism offers a maximum of security.



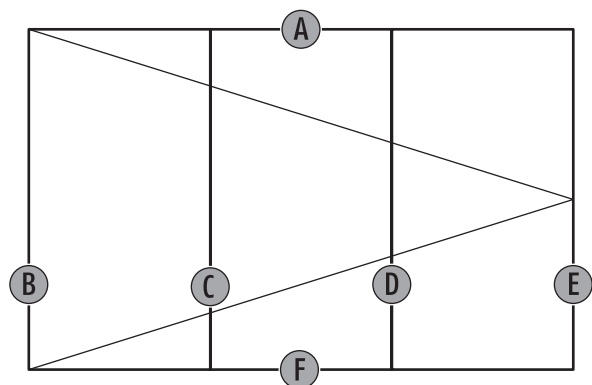
Height compensation

The height of the installed folding system may be easily adjusted by a few hand grips, only – this is important in case of eventual structure sagging.

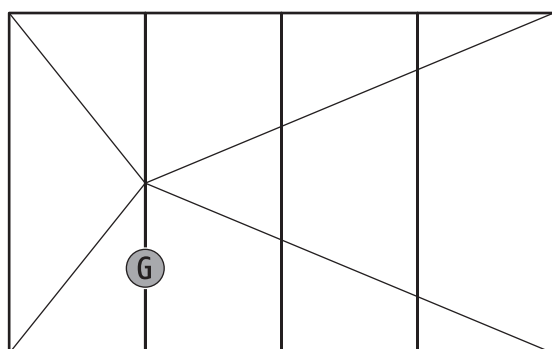


Assembly

The assembly shoes allow a fast and trouble-free assembly of the frame and a fine adjustment of the vertical frame profiles in the closing range.

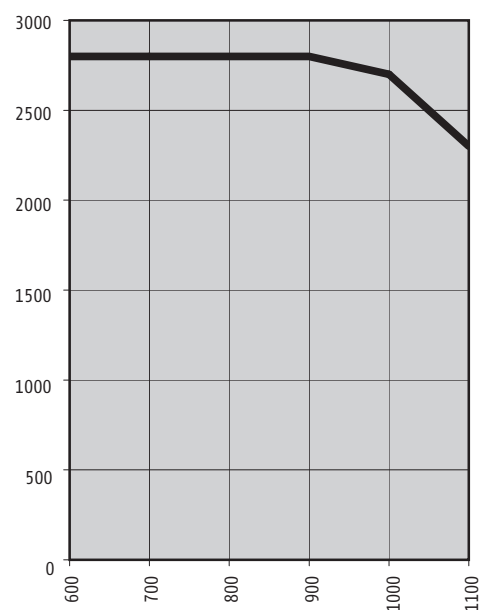


Details at even panel partition in one direction



Details at even and uneven panel partition in two directions

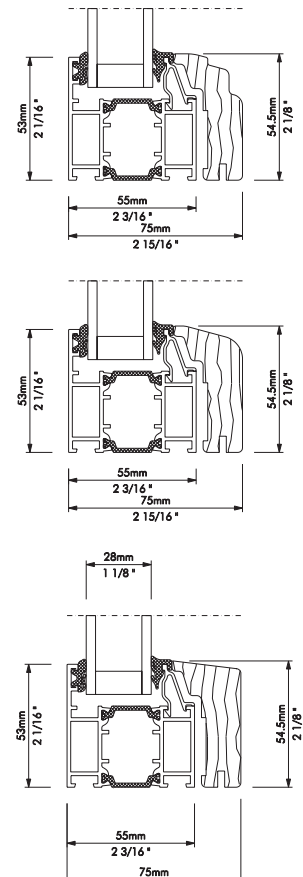
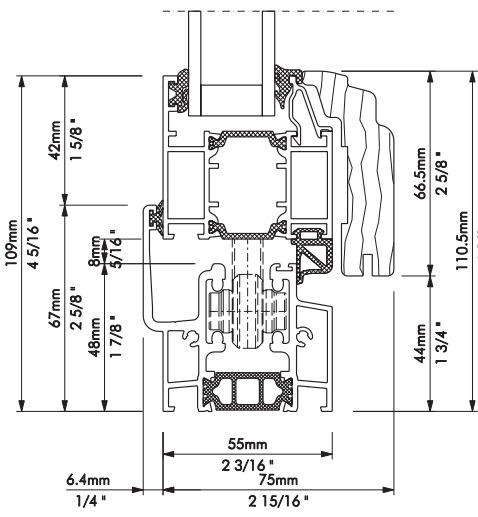
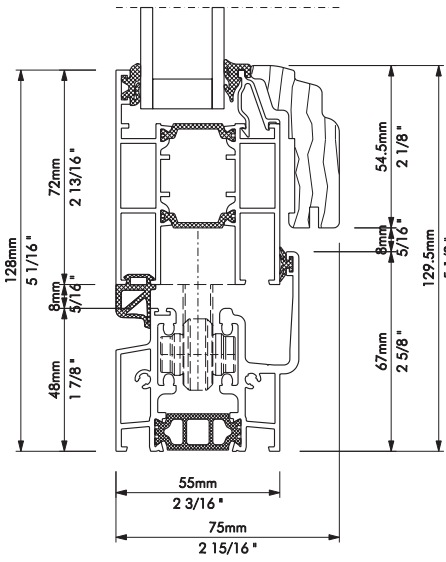
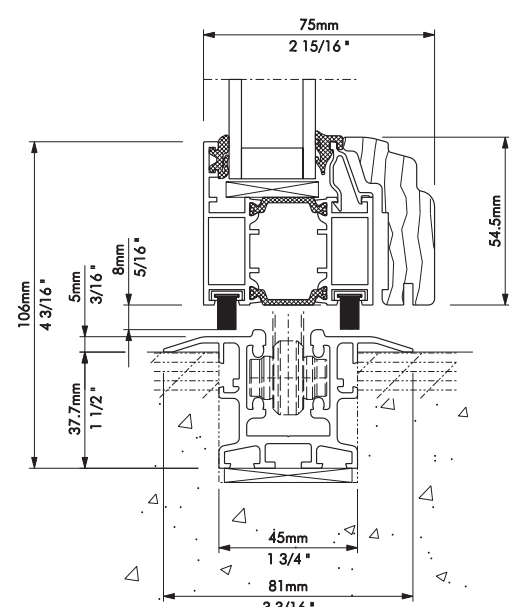
Panel size diagram



Ref.	Section	Description	Page
--	SF55c-000	Vertical-Section, timber clad designs (classic, modern (soft), squared)	6
F	SF55c-001	Vertical-Section, connection bottom track / inside folding	6
F	SF55c-003	Vertical-Section, connection bottom track / outside folding	6
F	SF55c-005	Vertical-Section, connection flush bottom track	6
A	SF55c-002	Vertical-Section, connection top track / inside folding	7
A	SF55c-004	Vertical-Section, connection top track / outside folding	7
F	SF55c-007	Vertical-Section, strengthening profile for balustrade / inside folding	7
A	SF55c-008	Vertical-Section, strengthening profile for overhead light / inside folding	7
A	SF55c-009	Vertical-Section, connection top track overhead light / inside folding	8
E	SF55c-101	Horizontal-Section, blind frame - panel closing section / inside folding	8
E	SF55c-102	Horizontal-Section, blind frame - panel closing section / outside folding	8
C	SF55c-103	Horizontal-Section, panel - panel / hinge outside	8
D	SF55c-104	Horizontal-Section, panel - panel / hinge inside	9
B	SF55c-105	Horizontal-Section, vertical post - panel / hinge inside	9
B	SF55c-106	Horizontal-Section, vertical post - panel / hinge outside	9
D	SF55c-107	Horizontal-Section, midrail	9
G	SF55c-108	Horizontal-Section, panel - panel closing section	10
E	SF55c-109	Horizontal-Section, frame extension 35 mm	10
E	SF55c-110	Horizontal-Section, frame extension 70 mm	10
E	SF55c-111	Horizontal-Section, 90°- connection profile	10
E	SF55c-112	Horizontal-Section, 135°- connection profile	11

Ref.	Section	Description	Page
D	SF55c-113	Horizontal-Section, sliding post / hinge outside	11
D	SF55c-121	Horizontal-Section, sliding post / hinge inside	11
D	SF55c-114	Horizontal-Section, sliding post incl. strengthening / hinge outside	11
D	SF55c-115	Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / outside folding	12
D	SF55c-116	Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / inside folding	12
E	SF55c-117	Horizontal-Section, blind frame - panel closing section incl. sliding post (e.g. 2R) / outside folding	12
E	SF55c-118	Horizontal-Section, blind frame - panel closing section incl. sliding post (e.g. 2R) / inside folding	12
--	SF55c-119	Horizontal-Section, profil section - sliding post(e.g. 2L/2R) / outside folding	13
--	SF55c-120	Horizontal-Section, profil section - sliding post(e.g. 2L/2R) / inside folding	13

Folding Sliding System SF55c

<div data-bbox="135 168 167 212">I</div>  <div data-bbox="135 560 167 638">OUTSIDE</div> <div data-bbox="726 560 758 638">INSIDE</div> <p>classic</p> <p>modern (soft)</p> <p>squared</p>	<div data-bbox="790 168 821 212">F</div>  <div data-bbox="790 560 821 638">OUTSIDE</div> <div data-bbox="1396 560 1428 638">INSIDE</div>
<div data-bbox="119 1052 526 1131">Description: Vertical-Section, timber clad designs (classic, modern (soft), squared)</div> <div data-bbox="534 1052 774 1131">System: SF55c Detail-No.: SF55c-000</div>	<div data-bbox="790 1052 1189 1131">Description: Vertical-Section, connection bottom track / inside folding</div> <div data-bbox="1197 1052 1436 1131">System: SF55c Detail-No.: SF55c-001</div>
<div data-bbox="135 1153 167 1198">F</div>  <div data-bbox="135 1545 167 1624">OUTSIDE</div> <div data-bbox="726 1545 758 1624">INSIDE</div>	<div data-bbox="790 1153 821 1198">F</div>  <div data-bbox="790 1545 821 1624">OUTSIDE</div> <div data-bbox="1396 1545 1428 1624">INSIDE</div>
<div data-bbox="119 2038 526 2116">Description: Vertical-Section, connection bottom track / outside folding</div> <div data-bbox="534 2038 774 2116">System: SF55c Detail-No.: SF55c-003</div>	<div data-bbox="790 2038 1189 2116">Description: Vertical-Section, connection flush bottom track</div> <div data-bbox="1197 2038 1436 2116">System: SF55c Detail-No.: SF55c-005</div>

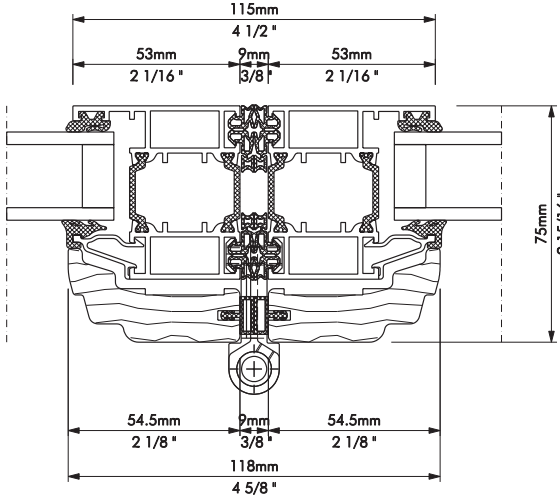
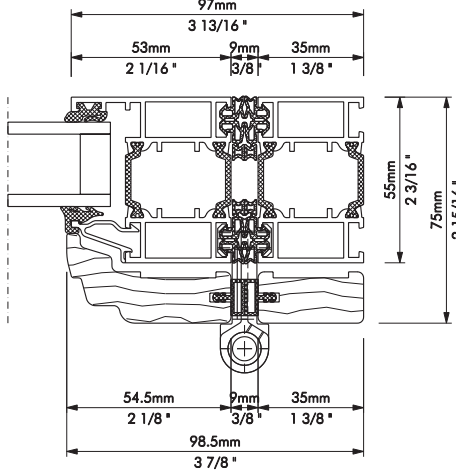
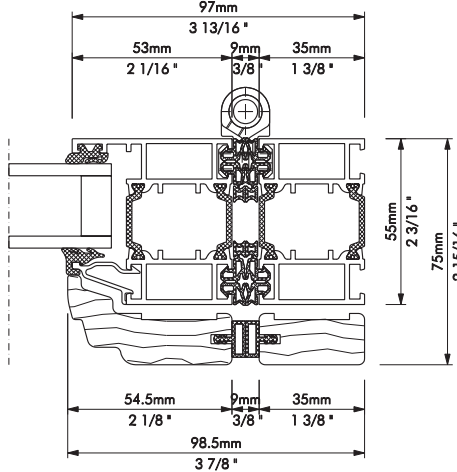
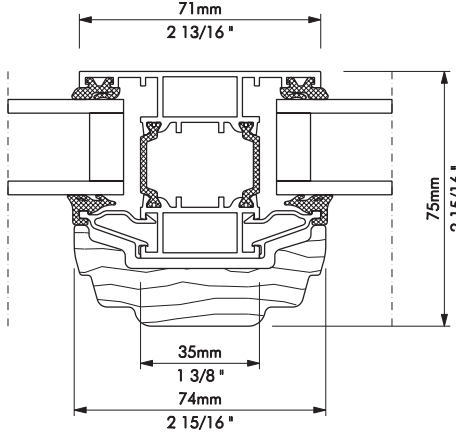
<div><div>A</div><div><div>OUTSIDE</div><div>INSIDE</div></div></div>		<div><div>A</div><div><div>OUTSIDE</div><div>INSIDE</div></div></div>	
Description: Vertical-Section, connection top track / inside folding		System: SF55c Detail-No.: SF55c-002	

<div><div>F</div><div><div>OUTSIDE</div><div>INSIDE</div></div></div>		<div><div>A</div><div><div>OUTSIDE</div><div>INSIDE</div></div></div>	
Description: Vertical-Section, strengthening profile for balustrade / inside folding		System: SF55c Detail-No.: SF55c-007	

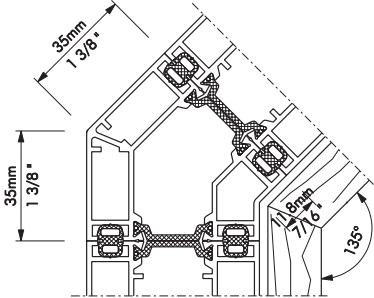
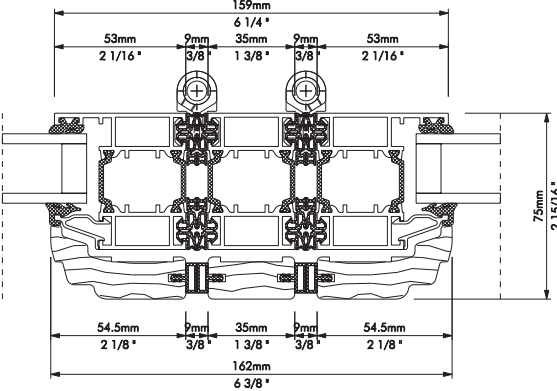
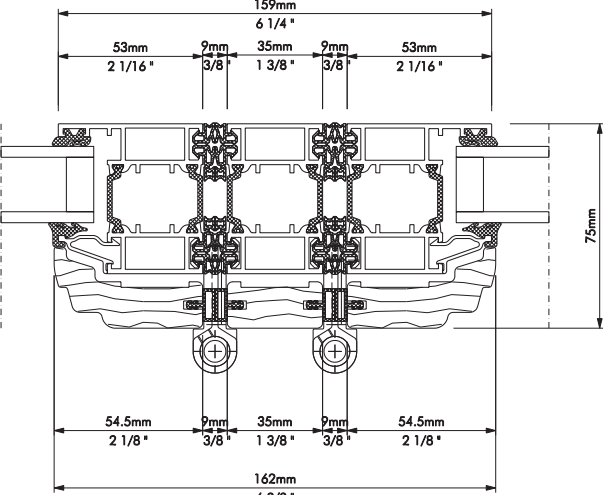
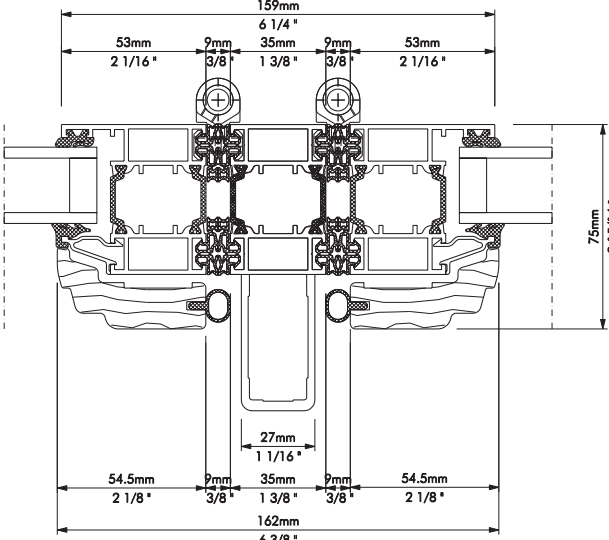
<div><div>A</div><div><div>OUTSIDE</div><div>INSIDE</div></div></div>		<div><div>A</div><div><div>OUTSIDE</div><div>INSIDE</div></div></div>	
Description: Vertical-Section, strengthening profile for over- head light / inside folding		System: SF55c Detail-No.: SF55c-008	

Folding Sliding System SF55c

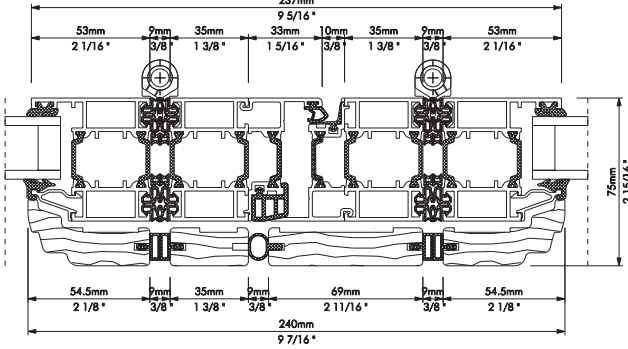
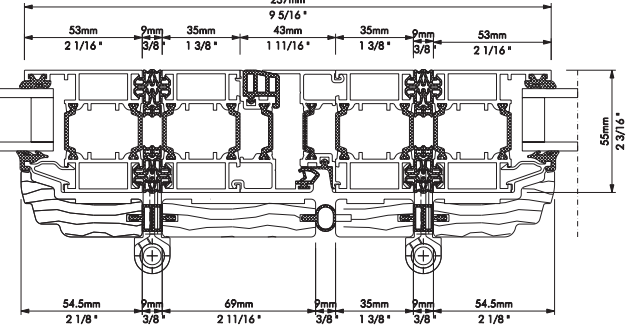
<p>A</p> <p>OUTSIDE</p> <p>INSIDE</p>	<p>E</p> <p>INSIDE</p>
<p>Description: Vertical-Section, connection top track overhead light / inside folding</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-009</p>	<p>Description: Horizontal-Section, blind frame - panel closing section / inside folding</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-101</p>
<p>E</p> <p>OUTSIDE</p> <p>INSIDE</p>	<p>C</p> <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, blind frame - panel closing section / outside folding</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-102</p>	<p>Description: Horizontal-Section, panel - panel / hinge outside</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-103</p>

<p>C</p> <p>OUTSIDE</p>  <p>INSIDE</p>	<p>E</p>  <p>INSIDE</p>
<p>Description: Horizontal-Section, panel - panel / hinge inside</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-104</p>	<p>Description: Horizontal-Section, vertical post - panel / hinge inside</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-105</p>
<p>E</p> <p>OUTSIDE</p>  <p>INSIDE</p>	<p>D</p> <p>OUTSIDE</p>  <p>INSIDE</p>
<p>Description: Horizontal-Section, vertical post - panel / hinge outside</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-106</p>	<p>Description: Horizontal-Section, midrail</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-107</p>

<p>G OUTSIDE</p> <p>INSIDE</p>	<p>E</p> <p>INSIDE</p>
<p>Description: Vertical-Section, strengthening profile for overhead light / inside folding</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-108</p>	<p>Description: Horizontal-Section, frame extension 35 mm</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-109</p>
<p>E OUTSIDE</p> <p>INSIDE</p>	<p>E OUTSIDE</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, frame extension 70 mm</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-110</p>	<p>Description: Horizontal-Section, 90°- connection profile</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-111</p>

<div data-bbox="172 174 209 210" data-label="Text">E</div> <div data-bbox="448 174 523 197" data-label="Text">OUTSIDE</div>  <div data-bbox="448 1008 523 1030" data-label="Text">INSIDE</div>	<div data-bbox="834 174 871 210" data-label="Text">D</div>  <div data-bbox="1118 1008 1193 1030" data-label="Text">INSIDE</div>
<div data-bbox="164 1059 512 1111" data-label="Text">Description: Horizontal-Section, 135°- connection profile</div> <div data-bbox="579 1059 775 1128" data-label="Text">System: SF55c Detail-No.: SF55c-112</div>	<div data-bbox="826 1059 1187 1111" data-label="Text">Description: Horizontal-Section, sliding post / hinge outside</div> <div data-bbox="1241 1059 1437 1128" data-label="Text">System: SF55c Detail-No.: SF55c-113</div>
<div data-bbox="172 1160 209 1196" data-label="Text">D</div> <div data-bbox="448 1160 523 1182" data-label="Text">OUTSIDE</div>  <div data-bbox="448 1993 523 2016" data-label="Text">INSIDE</div>	<div data-bbox="834 1160 871 1196" data-label="Text">D</div> <div data-bbox="1110 1160 1185 1182" data-label="Text">OUTSIDE</div>  <div data-bbox="1118 1993 1193 2016" data-label="Text">INSIDE</div>
<div data-bbox="164 2045 512 2096" data-label="Text">Description: Horizontal-Section, sliding post / hinge inside</div> <div data-bbox="579 2045 775 2114" data-label="Text">System: SF55c Detail-No.: SF55c-121</div>	<div data-bbox="826 2045 1219 2119" data-label="Text">Description: Horizontal-Section, sliding post incl. strengthening / hinge outside</div> <div data-bbox="1241 2045 1437 2114" data-label="Text">System: SF55c Detail-No.: SF55c-114</div>

<p>D OUTSIDE</p> <p>INSIDE</p>	<p>E</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / outside folding</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-115</p>	<p>Description: Horizontal-Schnitt, Profilschnitt mitlaufender Holm (z.B. 1L/2R) / INSIDE faltend</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-116</p>
<p>E OUTSIDE</p> <p>INSIDE</p>	<p>E OUTSIDE</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, b. f. - p. cl. se. incl. sliding post (e.g. 2R) / outside folding</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-117</p>	<p>Description: Horizontal-Section, b. f. - p. cl. se. incl. sliding post (e.g. 2R) / inside folding</p> <p>System: SF55c</p> <p>Detail-No.: SF55c-118</p>

<div data-bbox="167 168 207 212">E</div> <div data-bbox="443 168 521 197">OUTSIDE</div>  <div data-bbox="443 1003 521 1032">INSIDE</div>	<div data-bbox="833 168 873 212">E</div>  <div data-bbox="1109 1003 1187 1032">INSIDE</div>
<div data-bbox="167 1055 534 1131">Description: Horizontal-Section, profil section - sliding post (e.g. 2L/2R) / outside folding</div> <div data-bbox="577 1055 774 1131">System: SF55c Detail-No.: SF55c-119</div>	<div data-bbox="833 1055 1187 1131">Description: Horizontal-Section, profil section - sliding post (e.g. 2L/2R) / inside folding</div> <div data-bbox="1238 1055 1437 1131">System: SF55c Detail-No.: SF55c-120</div>

