

**Profile system**

- ☐ Glass folding door with thermally insulated aluminum profiles
- ☐ Bottom-loaded construction
- ☐ The construction depth of the profiles is 55 mm
- ☐ 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

**Test**

- ☐  $U_w$  up to 1,5 W/m<sup>2</sup>k (with glazing  $U_g = 0,7$  W/m<sup>2</sup>k)
- ☐ 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**

- ☐ A glazing configuration between 8 mm to 36 mm is possible
- ☐ Subsequent replacement of panes without difficulty



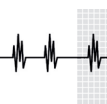
Testreport No.23-21/09E, No. 40-29/09 and No. 40-30/09



Testreport ATT 11.11.801.01



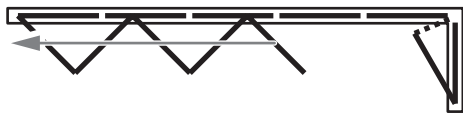
tested SUNFLEX Quality

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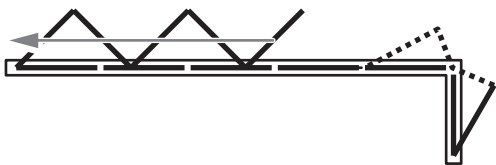
Testreport 1286-001-10

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

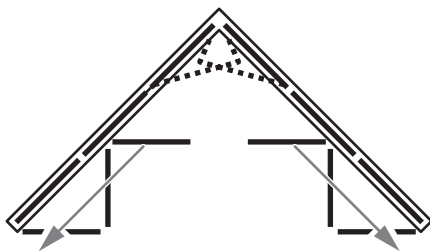
Typ I



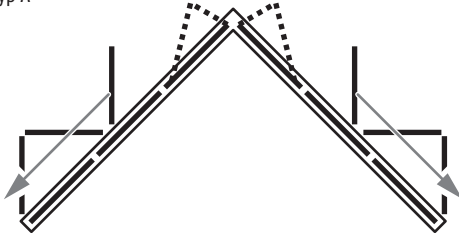
Typ A



Typ I



Typ A



Segmented systems (polygon up to 3,4° (176,6°) possible per segment!)

Typ I

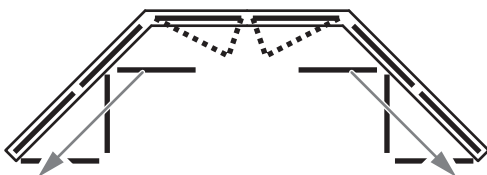


Typ A

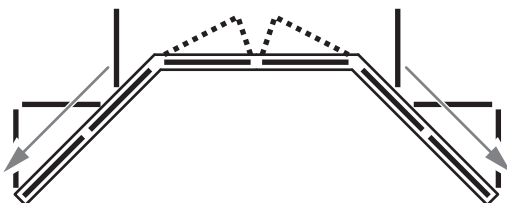


Corner angles 90°-180°

Typ I



Typ A



Other floor plan geometries upon request

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



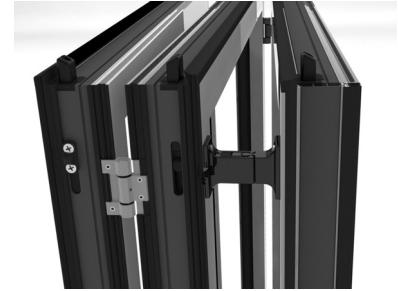
#### Safety

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.



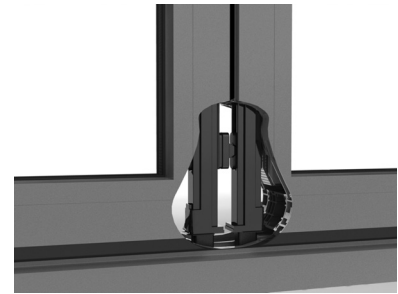
#### Burglar resistance

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



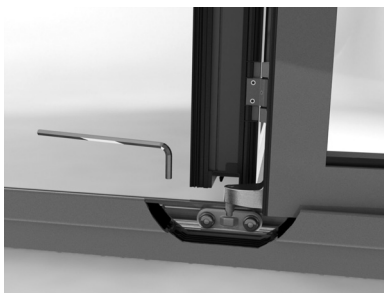
#### Proper handle series

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.



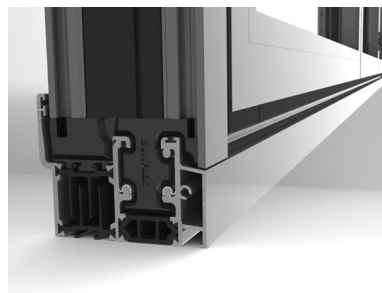
#### Twin-Lock locking mechanism

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



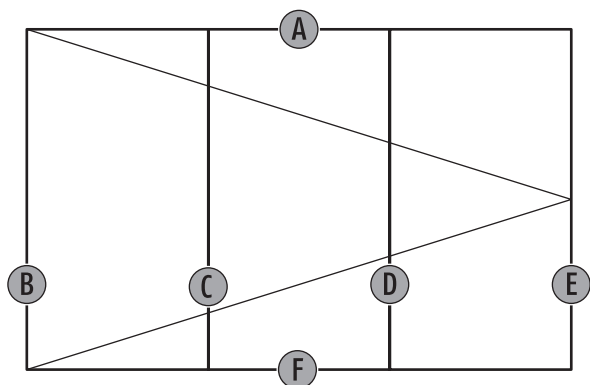
#### Height compensation

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.

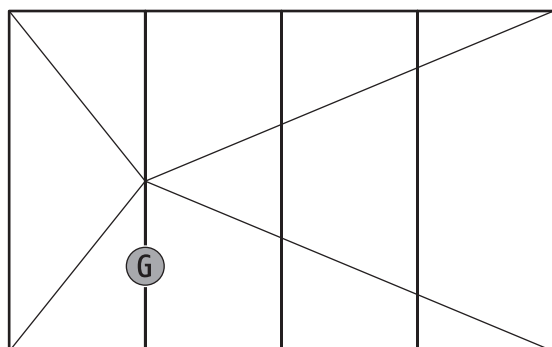


#### Assembly

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.

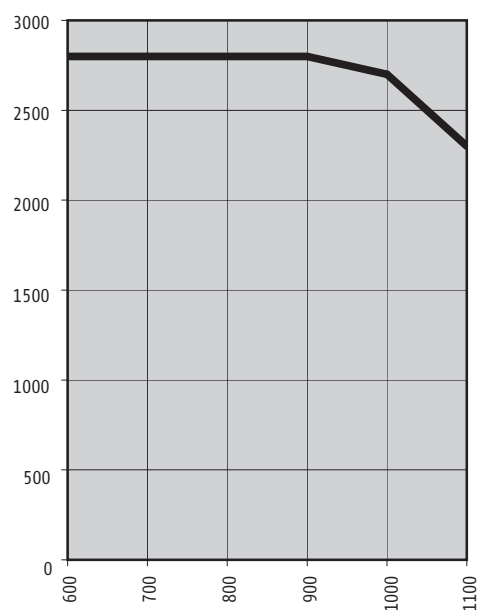


Details at even panel partition in one direction



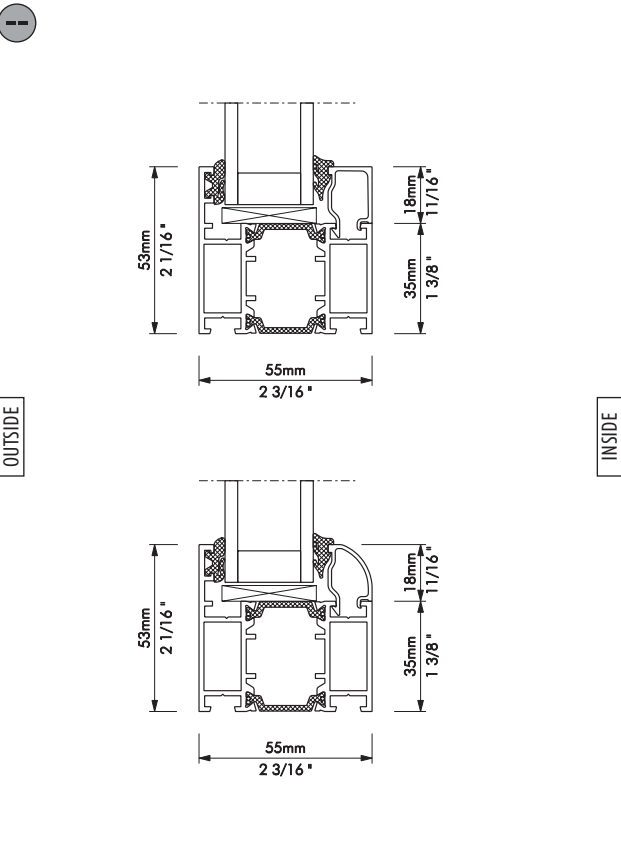
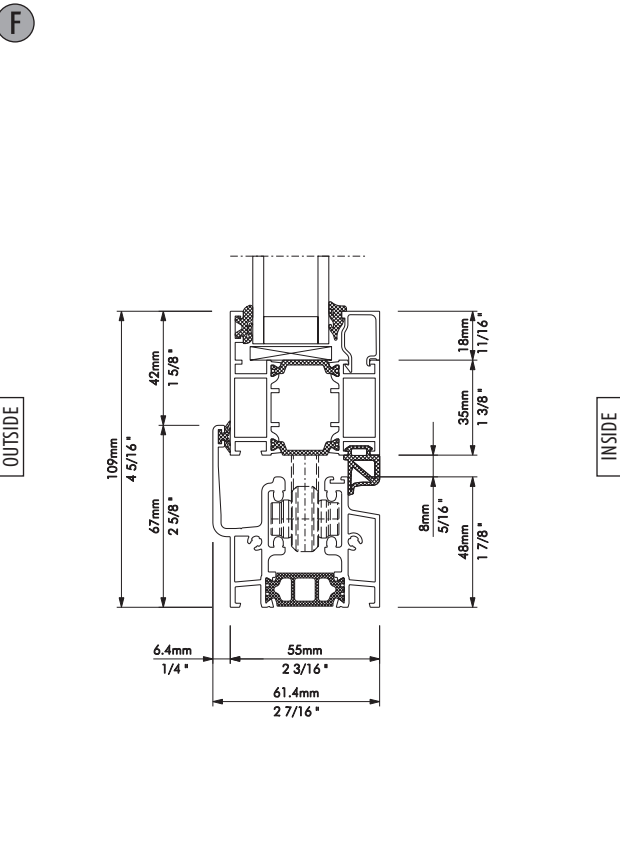
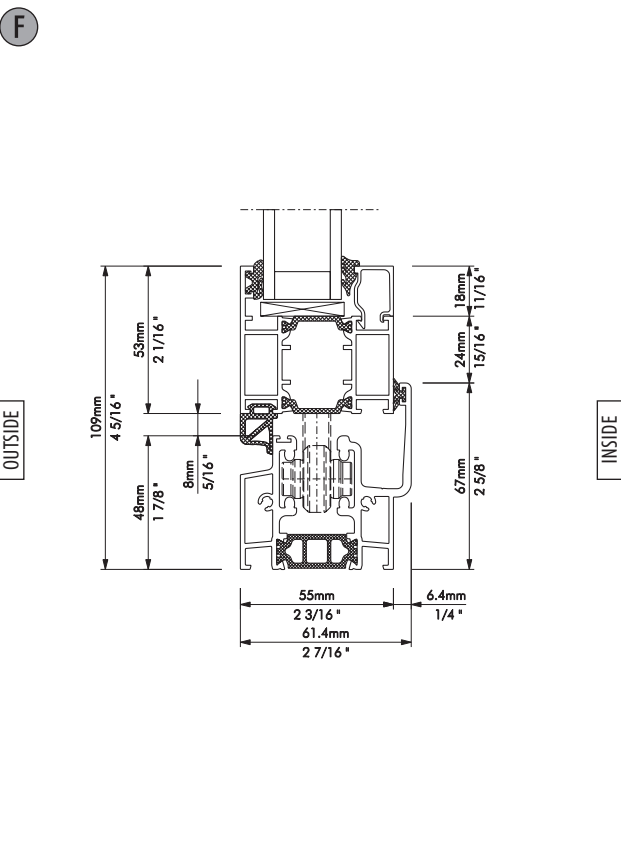
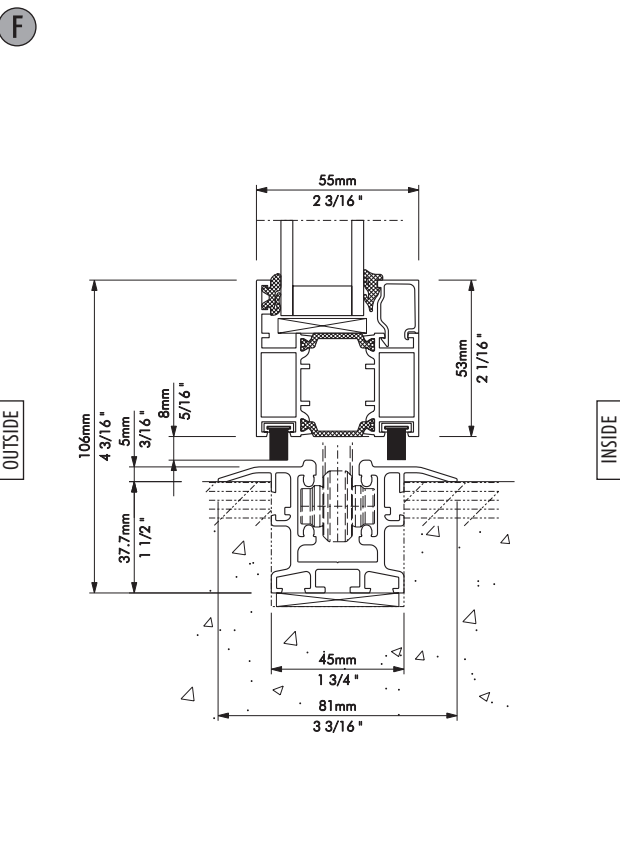
Details at even and uneven panel partition in two directions

Panel size diagram

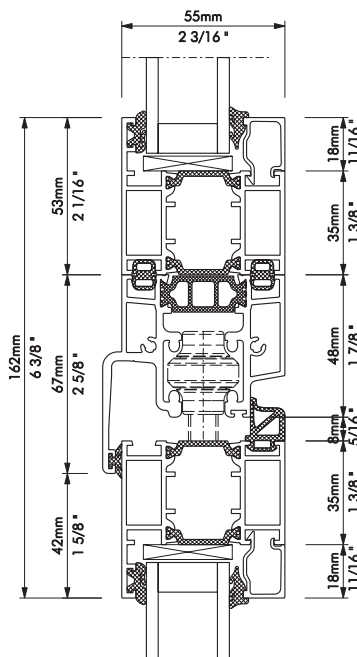
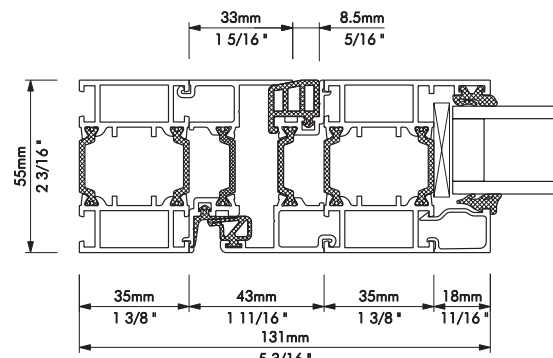
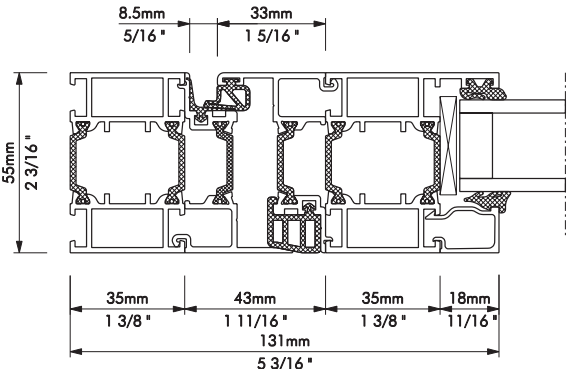
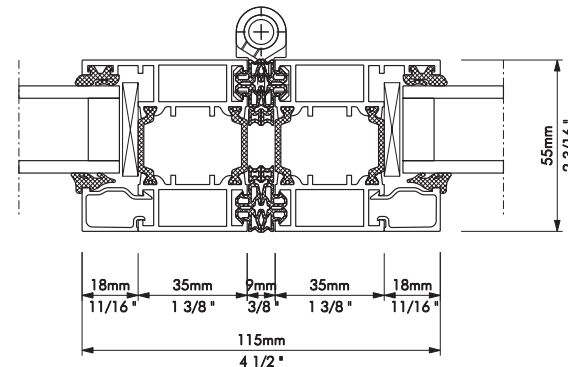


Ref.	Section	Description	Page
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E	SF55-118	Horizontal-Section, blind frame - panel closing section incl. sliding post (e.g. 2R) / inside folding	12
--	SF55-119	Horizontal-Section, profil section - sliding post(e.g. 2L/2R) / outside folding	13
--	SF55-120	Horizontal-Section, profil section - sliding post(e.g. 2L/2R) / inside folding	13

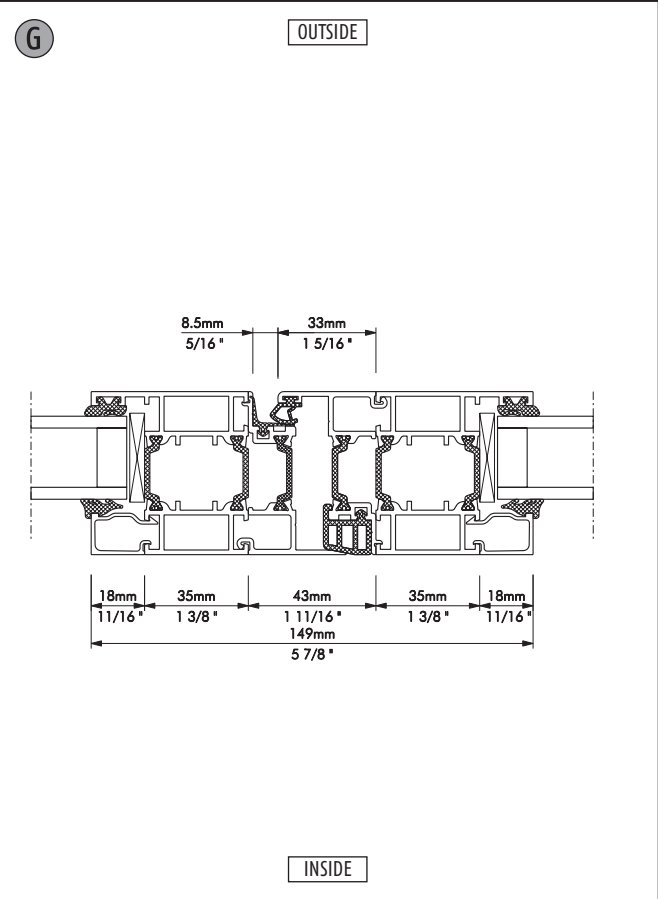
 <p>OUTSIDE</p> <p>INSIDE</p>	 <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Vertical-Section, glazing beads designs (softline + square - edge)</p> <p>System: SF55</p> <p>Detail-No.: SF55-000</p>	<p>Description: Vertical-Section, connection bottom track / inside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-001</p>
 <p>OUTSIDE</p> <p>INSIDE</p>	 <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Vertical-Section, connection bottom track / outside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-003</p>	<p>Description: Vertical-Section, connection flush bottom track</p> <p>System: SF55</p> <p>Detail-No.: SF55-005</p>

<p><b>A</b></p> <p>OUTSIDE</p> <p>INSIDE</p>	<p><b>A</b></p> <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Vertical-Section, connection top track / inside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-002</p>	<p>Description: Vertical-Section, connection top track / outside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-004</p>
<p><b>F</b></p> <p>OUTSIDE</p> <p>INSIDE</p>	<p><b>A</b></p> <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Vertical-Section, strengthening profile for balustrade / inside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-007</p>	<p>Description: Vertical-Section, strengthening profile for overhead light / inside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-008</p>

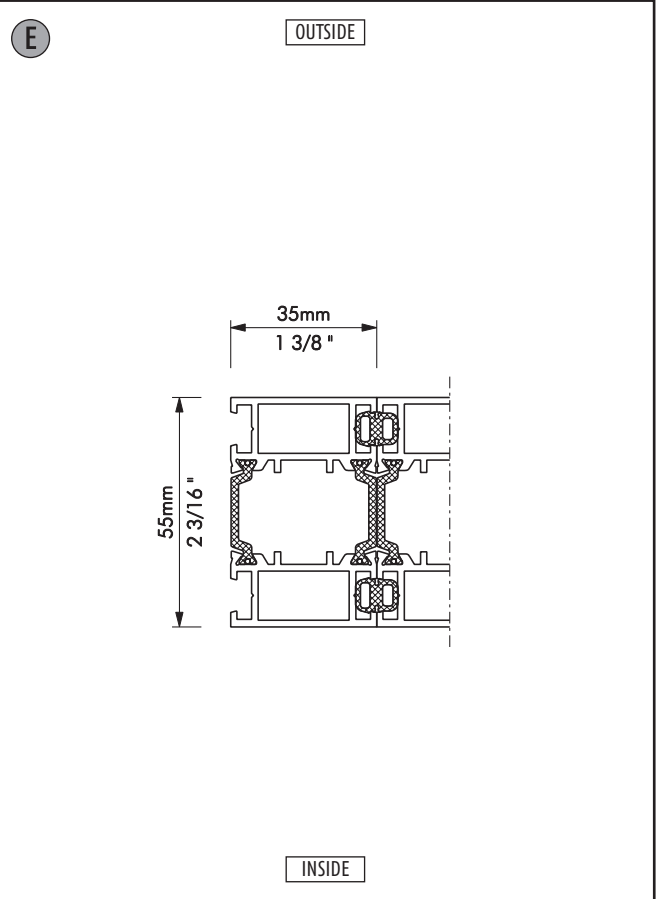
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<div>Description:</div> <div>Vertical-Section, connection top track overhead light / inside folding</div> <div>System:</div> <div>SF55</div> <div>Detail-No.:</div> <div>SF55-009</div>	<div>Description:</div> <div>Horizontal-Section, blind frame - panel closing section / inside folding</div> <div>System:</div> <div>SF55</div> <div>Detail-No.:</div> <div>SF55-101</div>
<div>E</div> <div><div>OUTSIDE</div><div>INSIDE</div></div>	<div>C</div> <div><div>OUTSIDE</div><div>INSIDE</div></div>
<div>Description:</div> <div>Horizontal-Section, blind frame - panel closing section / outside folding</div> <div>System:</div> <div>SF55</div> <div>Detail-No.:</div> <div>SF55-102</div>	<div>Description:</div> <div>Horizontal-Section, panel - panel / hinge outside</div> <div>System:</div> <div>SF55</div> <div>Detail-No.:</div> <div>SF55-103</div>



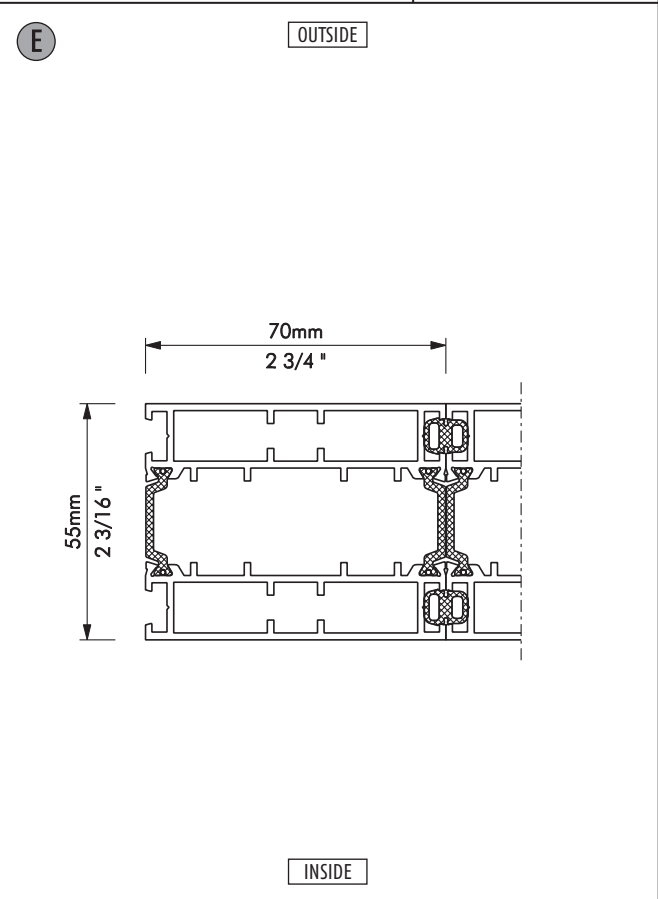
<p><b>C</b> OUTSIDE</p> <p>INSIDE</p>	<p><b>E</b> OUTSIDE</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, panel - panel / hinge inside</p> <p>System: SF55</p> <p>Detail-No.: SF55-104</p>	<p>Description: Horizontal-Section, vertical post - panel / hinge inside</p> <p>System: SF55</p> <p>Detail-No.: SF55-105</p>
<p><b>E</b> OUTSIDE</p> <p>INSIDE</p>	<p><b>D</b> OUTSIDE</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, vertical post - panel / hinge outside</p> <p>System: SF55</p> <p>Detail-No.: SF55-106</p>	<p>Description: Horizontal-Section, midrail</p> <p>System: SF55</p> <p>Detail-No.: SF55-107</p>



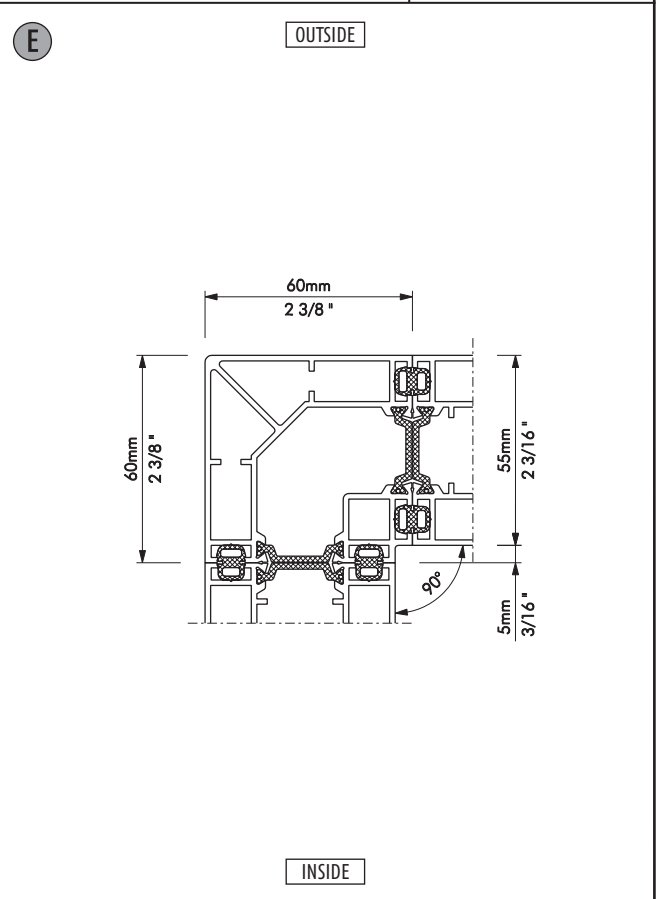
Description:	Horizontal-Section, panel - panel closing section	System: SF55
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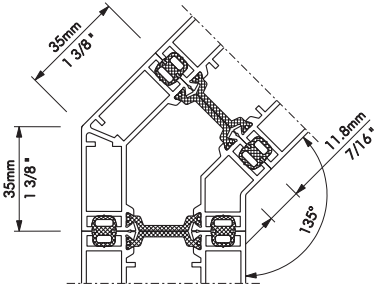
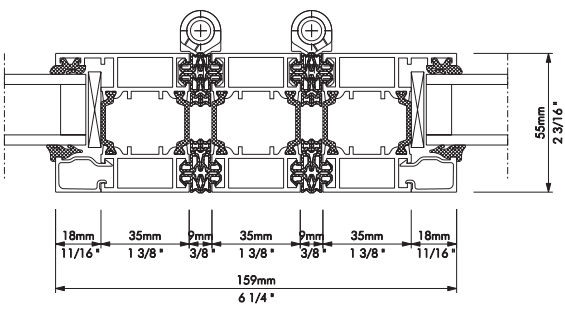
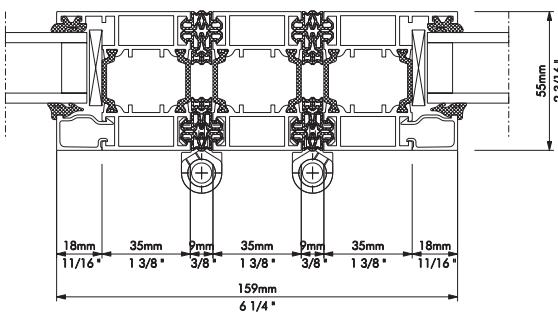
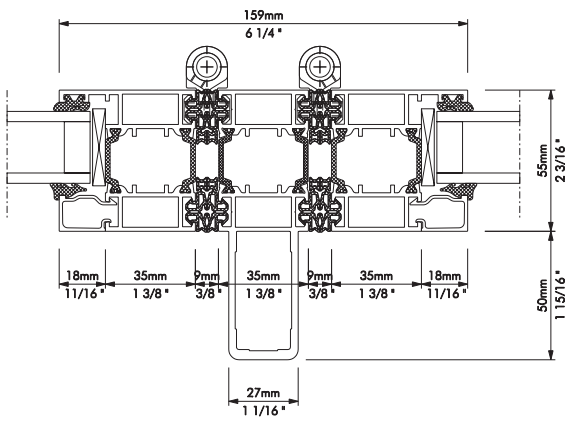
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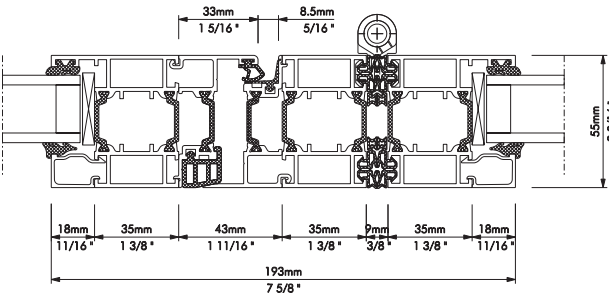
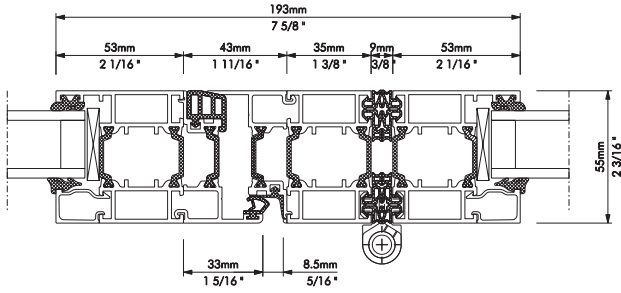
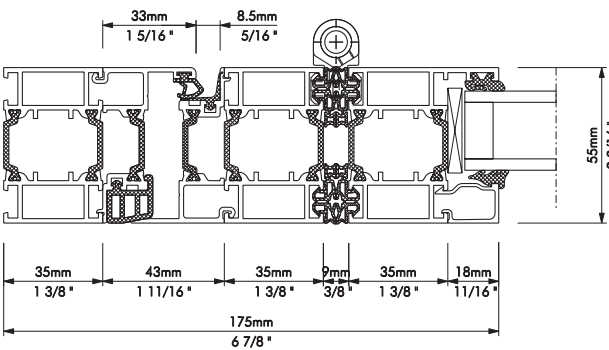
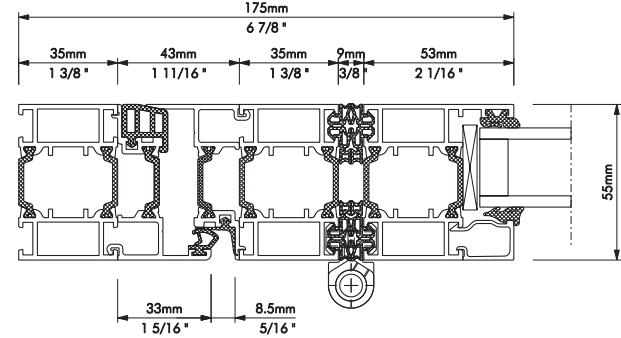


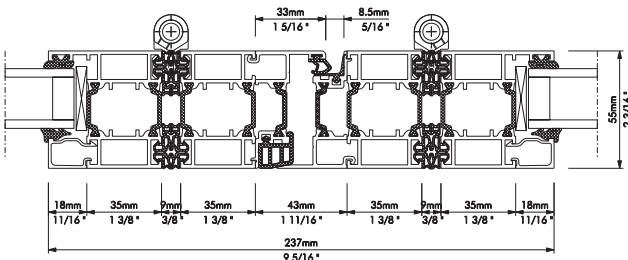
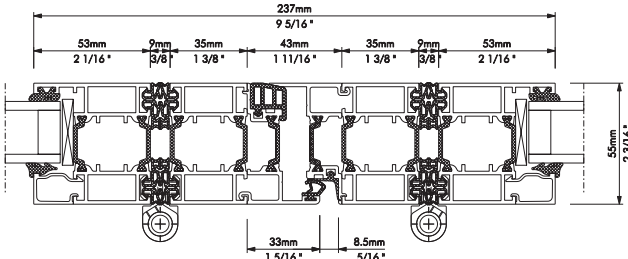
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		Detail-No.: SF55-110



Description:	Horizontal-Section, 90°- connection profile	System: SF55
		Detail-No.: SF55-111

<p><b>E</b> OUTSIDE</p>  <p>INSIDE</p>	<p><b>D</b> OUTSIDE</p>  <p>INSIDE</p>
<p>Description: Horizontal-Section, 135°- connection profile</p> <p>System: SF55</p> <p>Detail-No.: SF55-112</p>	<p>Description: Horizontal-Section, sliding post / hinge outside</p> <p>System: SF55</p> <p>Detail-No.: SF55-113</p>
<p><b>D</b> OUTSIDE</p>  <p>INSIDE</p>	<p><b>D</b> OUTSIDE</p>  <p>INSIDE</p>
<p>Description: Horizontal-Section, sliding post / hinge inside</p> <p>System: SF55</p> <p>Detail-No.: SF55-121</p>	<p>Description: Horizontal-Section, sliding post incl. strengthening / hinge outside</p> <p>System: SF55</p> <p>Detail-No.: SF55-114</p>

<p><b>D</b> OUTSIDE</p>  <p>INSIDE</p>	<p><b>E</b> OUTSIDE</p>  <p>INSIDE</p>
<p>Description: Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / outside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-115</p>	<p>Description: Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / inside folding</p> <p>System: SF55</p> <p>Detail-No.: SF55-116</p>
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