

Profile system

- ☐ Glass folding door with highly thermally insulated aluminum profiles
- ☐ Bottom-loaded construction
- ☐ The construction depth of the profiles is 95 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 $1,0 \text{ W/m}^2\text{K}$ (with glazing $U_g = 0,5 \text{ W/m}^2\text{K}$)
- ☐ Air permeability class 4 according to EN 1026
- ☐ Rain tightness class 9A according to EN 1027
- ☐ Resistance to wind load class B5/C4 according to EN 12210
- ☐ Airborne sound insulation value $R_w = 36 \text{ dB}$ 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 40, 48 mm possible
- ☐ Subsequent replacement of panes without difficulty



Testreport No.23-21/09E, No. 40-12/12 and No. 40-13/12

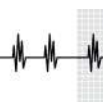


Testreport ATT 11.11.801.01



tested SUNFLEX Quality

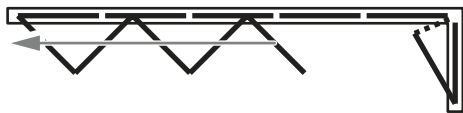
SG - Bauakustik
Institut für schalltechnische Produktoptimierung



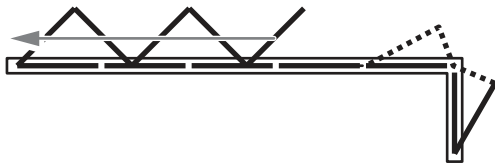
Testreport 1286-001-10

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

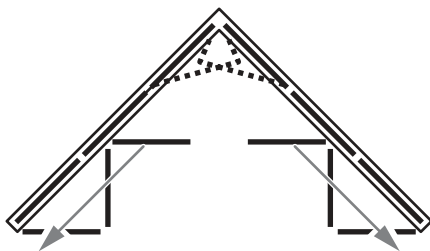
Typ I



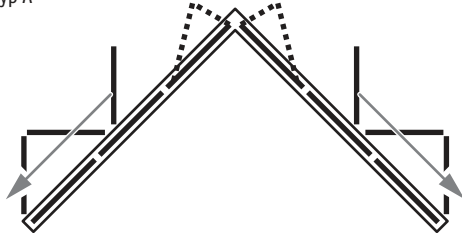
Typ A



Typ I

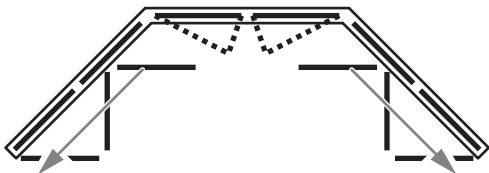


Typ A

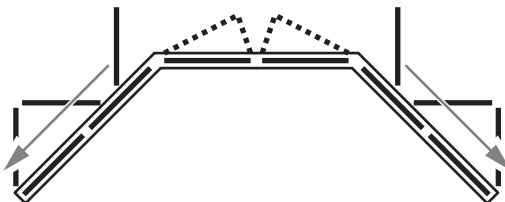


Corner angles 90°-180° (only available with special corner post/special design!)

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.



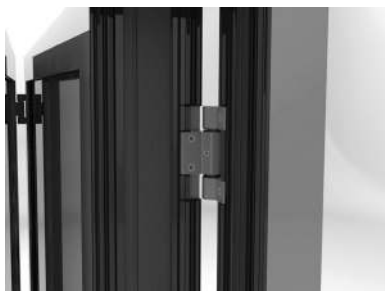
Mushroom head lock

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.



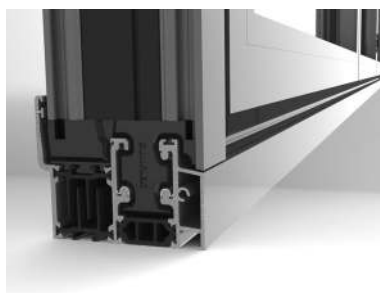
Twin-Lock locking mechanism

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



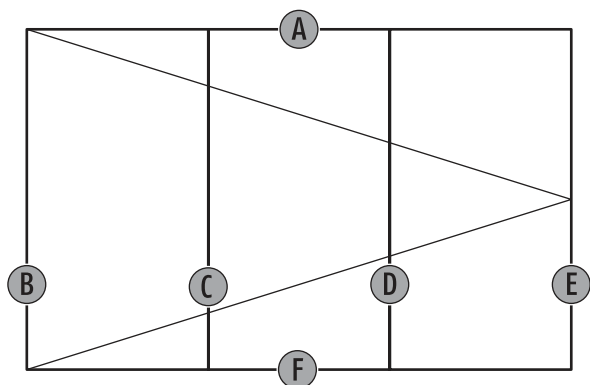
Height compensation

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.

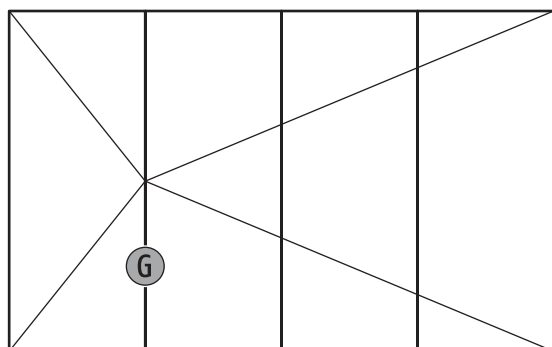


Assembly

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.

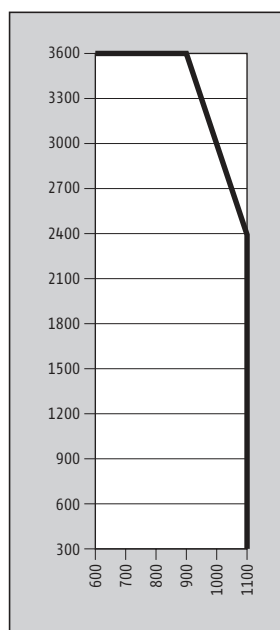


Details at even panel partition in one direction



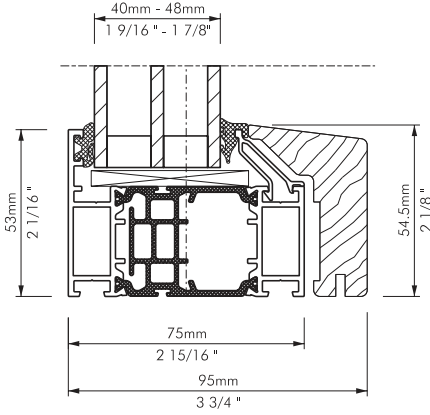
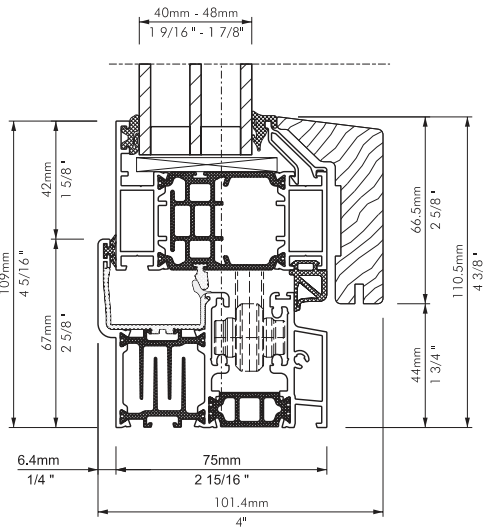
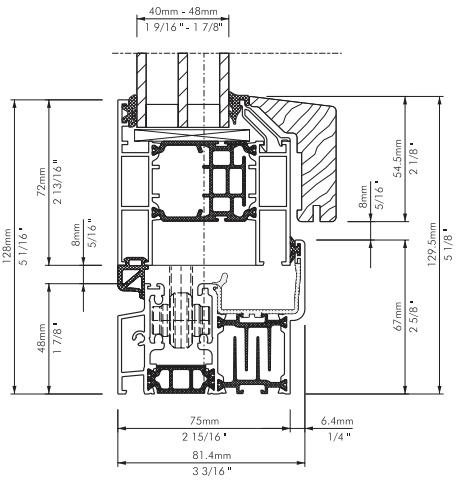
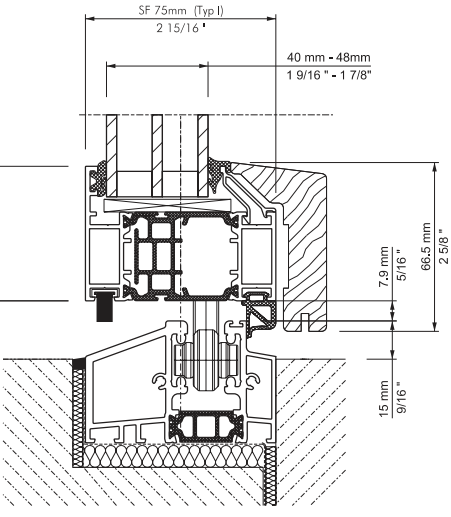
Details at even and uneven panel partition in two directions

Panel size diagram



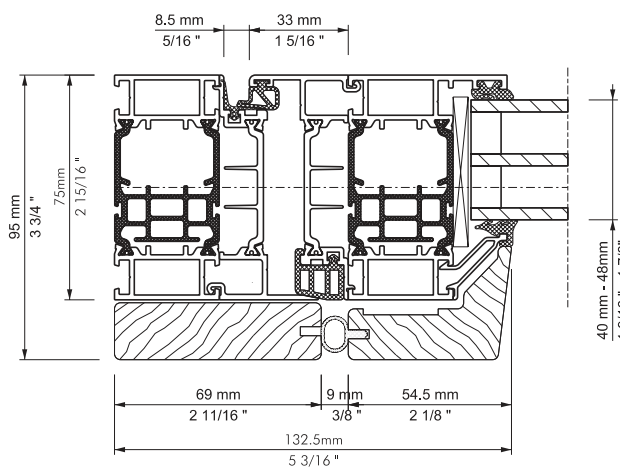
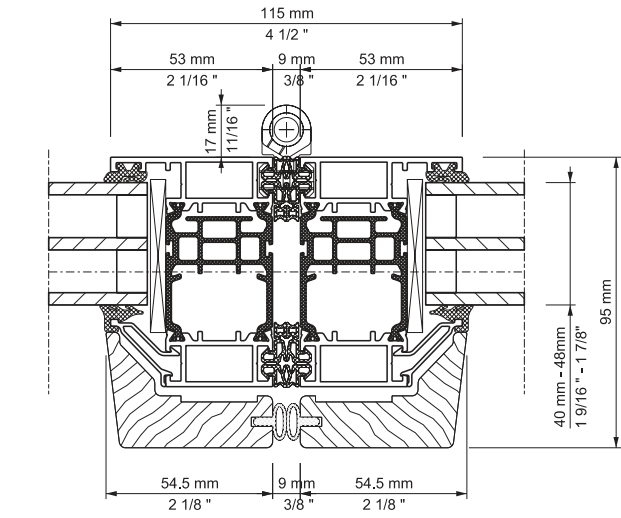
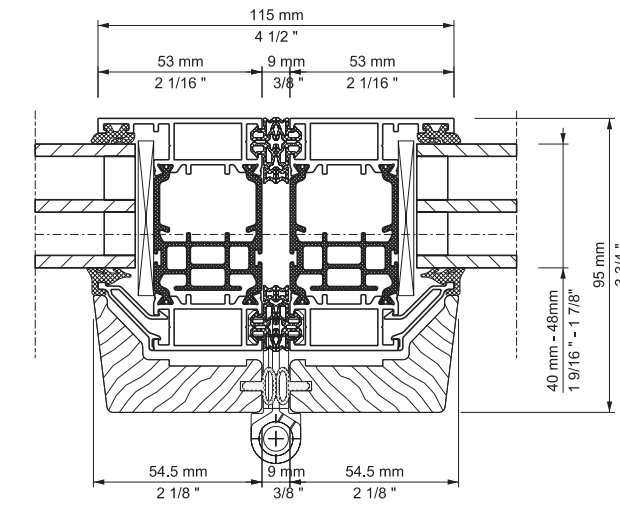
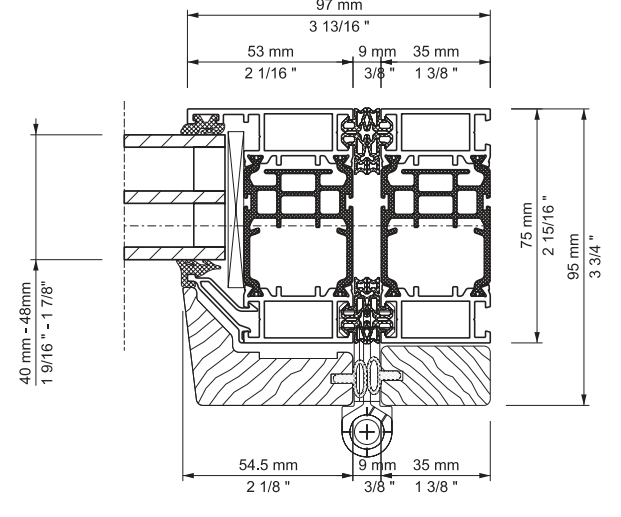
Ref.	Section	Description	Page
--	SF75c-000	Vertical-Section, timber clad designs (classic, modern (soft), squared)	6
F	SF75c-001	Vertical-Section, connection bottom track / inside folding	6
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F	SF75c-005a	Vertical-Section, connection flush bottom track/ bottom door seal / inside folding	7
F	SF75c-006	Vertical-Section, connection flush bottom track / outside folding	7
F	SF75c-006a	Vertical-Section, connection flush bottom track / bottom door seal / outside folding	7
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--	SF75c-107	Horizontal-Section, midrail	10
G	SF75c-108	Horizontal-Section, panel - panel closing section	10
E	SF75c-109	Horizontal-Section, frame extension 35 mm	10
E	SF75c-110	Horizontal-Section, frame extension 70 mm	11

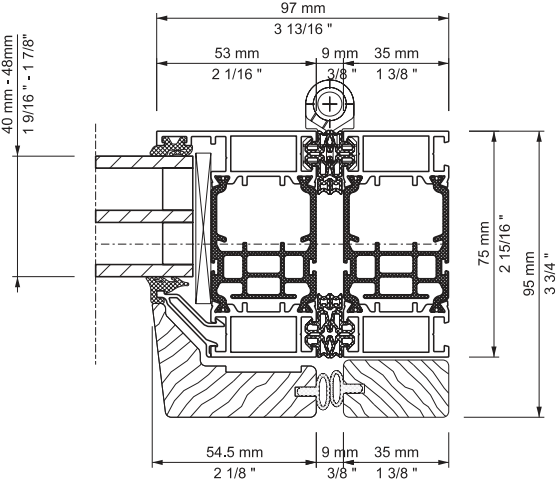
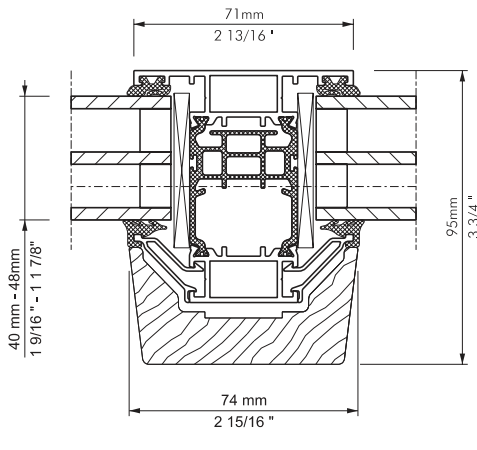
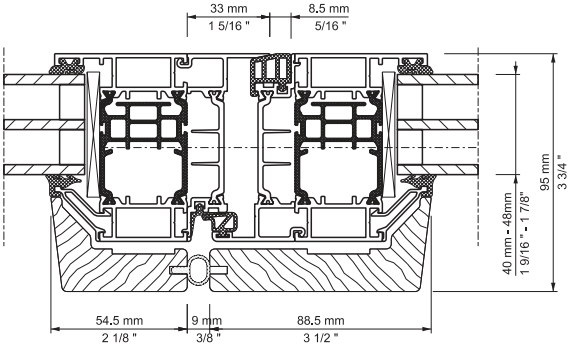
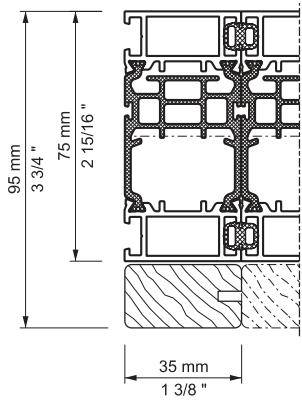
Ref.	Section	Description	Page
E	SF75c-111	Horizontal-Section, 90°- connection profile	11
E	SF75c-112	Horizontal-Section, 135°- connection profile	11
D	SF75c-113	Horizontal-Section, sliding post / hinge outside	11
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G	SF75c-116	Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / inside folding	12
--	SF75c-117	Horizontal-Section, blind frame - panel closing section incl. sliding post (e.g. 2R) / outside folding	13
--	SF75c-118	Horizontal-Section, blind frame - panel closing section incl. sliding post (e.g. 2R) / inside folding	13
--	SF75c-119	Horizontal-Section, profil section - sliding post(e.g. 2L/2R) / outside folding	13
--	SF75c-120	Horizontal-Section, profil section - sliding post(e.g. 2L/2R) / inside folding	13

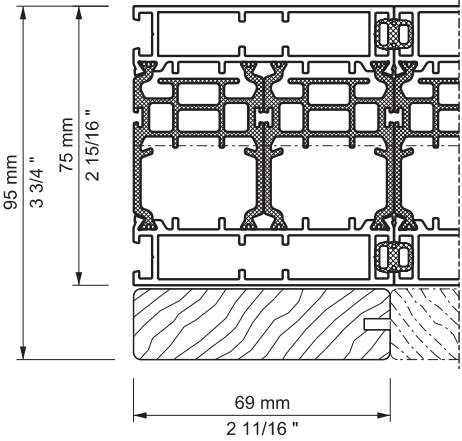
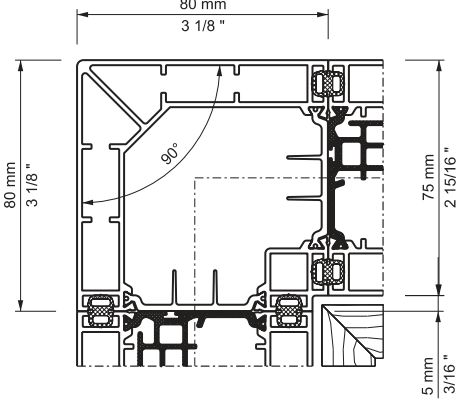
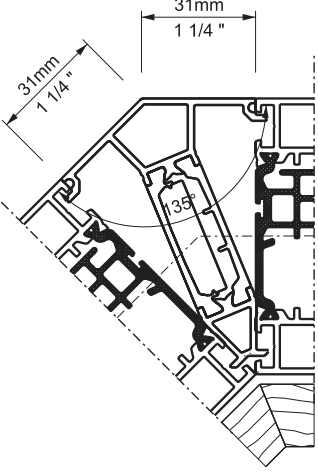
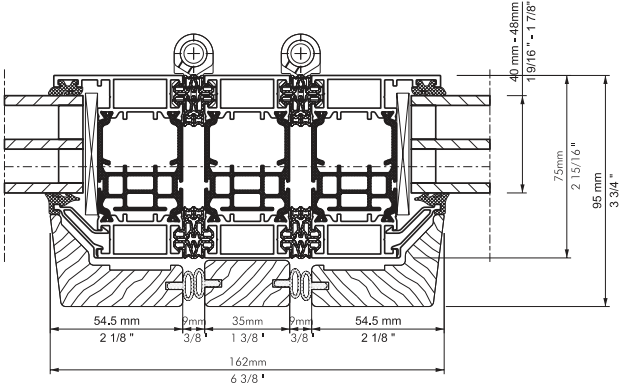
<p>I</p>  <p>OUTSIDE</p> <p>INSIDE</p>	<p>F</p>  <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Vertical-Section, timber clad design</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-000</p>	<p>Description: Vertical-Section, connection bottom track / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-001</p>
<p>F</p>  <p>OUTSIDE</p> <p>INSIDE</p>	<p>F</p>  <p>OUTSIDE</p> <p>INSIDE</p>
<p>Description: Vertical-Section, connection bottom track / outside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-003</p>	<p>Description: Vertical-Section, connection flush bottom track / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-005</p>

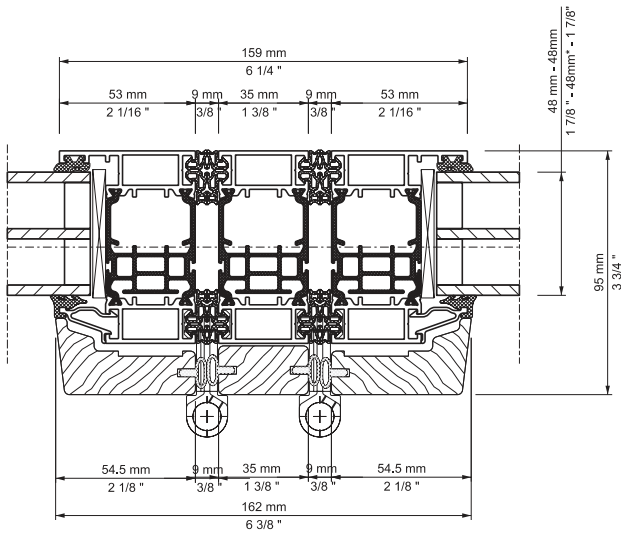
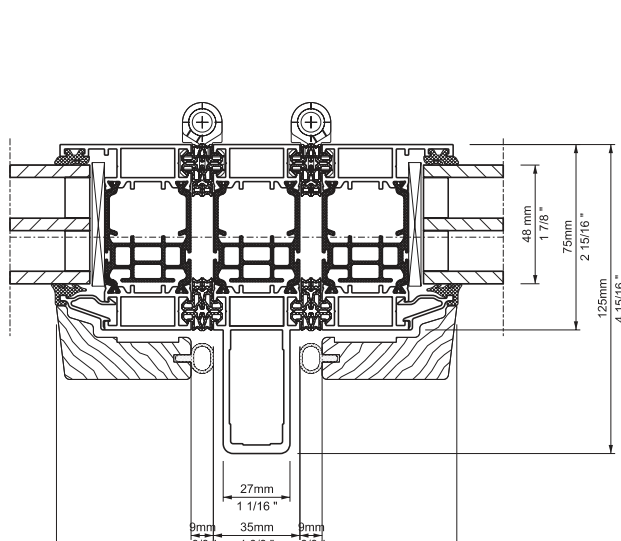
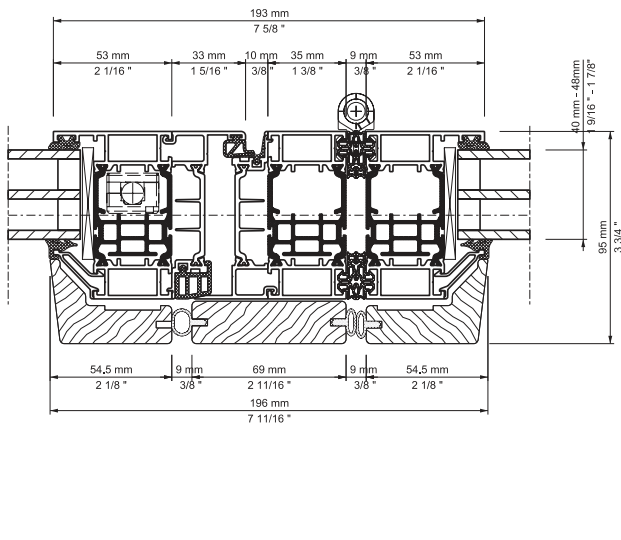
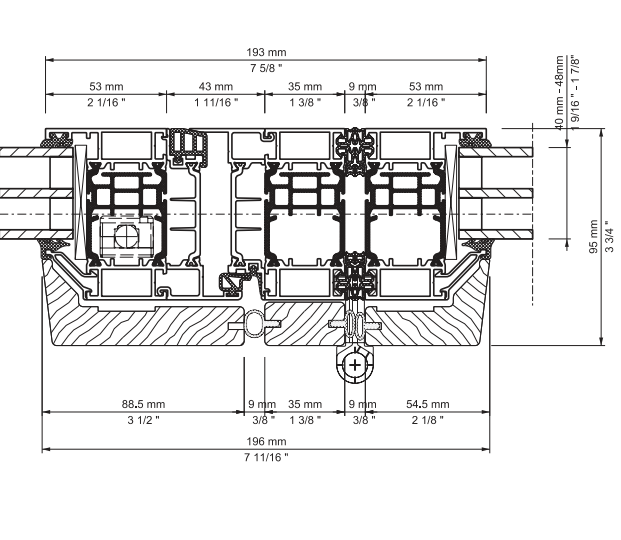
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<p>Description: Vertical-Section, connection flush bottom track / door seal / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-005a</p>	<p>Description: Vertical-Section, connection flush bottom track / outside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-006</p>
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<p>Description: Vertical-Section, connection flush bottom track / door seal / outside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-006a</p>	<p>Description: Vertical-Section, connection top track / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-002</p>

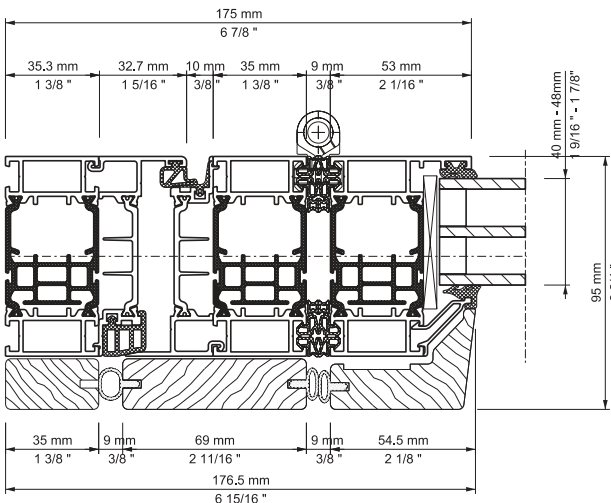
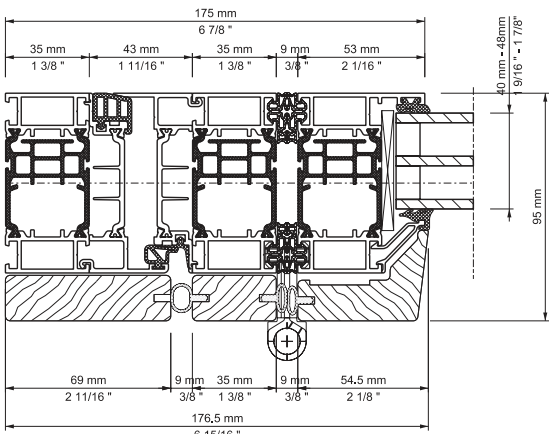
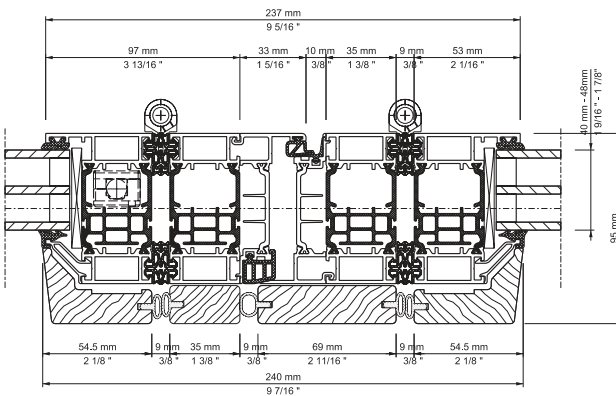
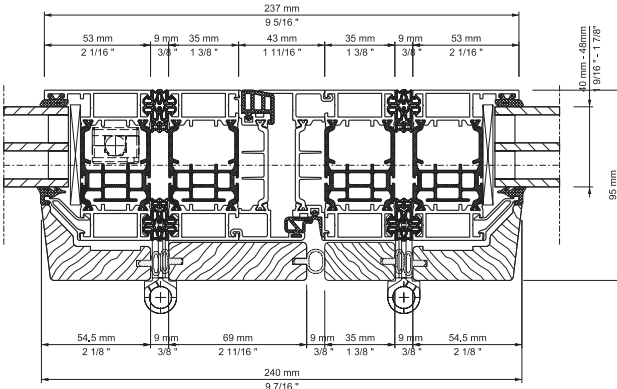
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<p>Description: Vertical-Section, connection top track / outside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-004</p>	<p>Description: Vertical-Section, strengthening profile for overhead light / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-008</p>
<p>A</p>	<p>E</p>
<p>Description: Vertical-Section, connection top track overhead light / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-009</p>	<p>Description: Horizontal-Section, blind frame - panel closing section / inside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-101</p>

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<div data-bbox="167 1153 207 1198">D</div> <div data-bbox="443 1153 523 1182">OUTSIDE</div>  <div data-bbox="443 1989 523 2018">INSIDE</div>	<div data-bbox="167 2045 566 2112">Description: Horizontal-Section, panel - panel / hinge inside</div> <div data-bbox="582 2045 805 2112">System: SF75c Detail-No.: SF75c-104</div>	<div data-bbox="829 1153 869 1198">B</div> <div data-bbox="1109 1153 1189 1182">OUTSIDE</div>  <div data-bbox="1109 1989 1189 2018">INSIDE</div>	<div data-bbox="829 2045 1228 2112">Description: Horizontal-Section, vertical post - panel / hinge inside</div> <div data-bbox="1244 2045 1468 2112">System: SF75c Detail-No.: SF75c-105</div>

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<div><div>G</div><div>OUTSIDE</div><div><div>INSIDE</div></div></div> <div><div>Description: Vertical-Section, strengthening profile for overhead light / inside folding</div><div>System: SF75c</div><div>Detail-No.: SF75c-108</div></div>		<div><div>E</div><div>OUTSIDE</div><div><div>INSIDE</div></div></div> <div><div>Description: Horizontal-Section, frame extension 35 mm</div><div>System: SF75c</div><div>Detail-No.: SF75c-109</div></div>

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<div data-bbox="161 2040 566 2101">Description: Horizontal-Section, 135°- connection profile</div> <div data-bbox="574 2040 810 2123">System: SF75c Detail-No.: SF75c-112</div>	<div data-bbox="823 2040 1228 2101">Description: Horizontal-Section, sliding post / hinge outside</div> <div data-bbox="1236 2040 1473 2123">System: SF75c Detail-No.: SF75c-113</div>

<p>D</p> <p>OUTSIDE</p>  <p>159 mm 6 1/4"</p> <p>53 mm 9 mm 35 mm 9 mm 53 mm 2 1/16" 3/8" 1 3/8" 3/8" 2 1/16"</p> <p>48 mm - 48mm 1 7/8" - 1 7/8"</p> <p>95 mm 3 3/4"</p> <p>54,5 mm 9 mm 35 mm 9 mm 54,5 mm 2 1/8" 3/8" 1 3/8" 3/8" 2 1/8"</p> <p>162 mm 6 3/8"</p> <p>INSIDE</p>	<p>D</p> <p>OUTSIDE</p>  <p>48 mm 1 7/8"</p> <p>75 mm 2 15/16"</p> <p>125 mm 4 15/16"</p> <p>27 mm 1 1/16"</p> <p>9 mm 35 mm 9 mm 3/8" 1 3/8" 3/8"</p> <p>161,9 mm 6 3/8"</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, sliding post / hinge inside</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-121</p>	<p>Description: Horizontal-Section, sliding post incl. strengthening / hinge outside</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-114</p>
<p>--</p> <p>OUTSIDE</p>  <p>193 mm 7 5/8"</p> <p>53 mm 33 mm 10 mm 35 mm 9 mm 53 mm 2 1/16" 1 5/16" 3/8" 1 3/8" 3/8" 2 1/16"</p> <p>40 mm - 48mm 1 9/16" - 1 7/8"</p> <p>95 mm 3 3/4"</p> <p>54,5 mm 9 mm 69 mm 9 mm 54,5 mm 2 1/8" 3/8" 2 11/16" 3/8" 2 1/8"</p> <p>196 mm 7 11/16"</p> <p>INSIDE</p>	<p>--</p> <p>OUTSIDE</p>  <p>193 mm 7 5/8"</p> <p>53 mm 43 mm 35 mm 9 mm 53 mm 2 1/16" 1 11/16" 1 3/8" 3/8" 2 1/16"</p> <p>40 mm - 48mm 1 9/16" - 1 7/8"</p> <p>95 mm 3 3/4"</p> <p>88,5 mm 9 mm 35 mm 9 mm 54,5 mm 3 1/2" 3/8" 1 3/8" 3/8" 2 1/8"</p> <p>196 mm 7 11/16"</p> <p>INSIDE</p>
<p>Description: Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / outside folding</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-115</p>	<p>Description: Horizontal-Schnitt, Profilschnitt mitlaufender Holm (z.B. 1L/2R) / INSIDE faltend</p> <p>System: SF75c</p> <p>Detail-No.: SF75c-116</p>

<div data-bbox="172 168 212 208">--</div> <div data-bbox="448 168 523 194">OUTSIDE</div>  <div data-bbox="448 1003 523 1030">INSIDE</div>	<div data-bbox="164 1055 558 1131">Description: Horizontal-Section, b. f. - p. cl. se. incl. sliding post (e.g. 2R) / outside folding</div> <div data-bbox="579 1055 777 1131">System: SF75c Detail-No.: SF75c-117</div>
<div data-bbox="834 168 874 208">--</div> <div data-bbox="1110 168 1185 194">OUTSIDE</div>  <div data-bbox="1110 1003 1185 1030">INSIDE</div>	<div data-bbox="826 1055 1206 1131">Description: Horizontal-Section, b. f. - p. cl. se. incl. sliding post (e.g. 2R) / inside folding</div> <div data-bbox="1243 1055 1441 1131">System: SF75c Detail-No.: SF75c-118</div>
<div data-bbox="172 1153 212 1193">--</div> <div data-bbox="448 1153 523 1180">OUTSIDE</div>  <div data-bbox="448 1989 523 2016">INSIDE</div>	<div data-bbox="164 2040 558 2116">Description: Horizontal-Section, profil section - sliding post (e.g. 2L/2R) / outside folding</div> <div data-bbox="579 2040 777 2116">System: SF75c Detail-No.: SF75c-119</div>
<div data-bbox="834 1153 874 1193">--</div> <div data-bbox="1110 1153 1185 1180">OUTSIDE</div>  <div data-bbox="1110 1989 1185 2016">INSIDE</div>	<div data-bbox="826 2040 1206 2116">Description: Horizontal-Section, profil section - sliding post (e.g. 2L/2R) / inside folding</div> <div data-bbox="1243 2040 1441 2116">System: SF75c Detail-No.: SF75c-120</div>

