

## Single Leaf EI<sub>2</sub>60 / T60 High Fire Retardant Security Door

<b>Fire Protection</b>	<b>EI<sub>2</sub>60 / T60</b>	<b>tested acc. to EN 1634-1</b>
<b>Smoke Control (optional)</b>	<b>S<sub>a</sub>, S<sub>200</sub> / RS</b>	<b>tested acc. to EN 1634-3</b>
<b>Self-Closing (optional)</b>	<b>up to C5</b>	<b>tested acc. to EN 1191</b>
<b>Burglar Protection</b>	<b>RC4</b>	<b>tested acc. to EN 1627</b>

## Optional Audited Additional Functions

- Smoke Control	<b>RS (S<sub>200</sub>)</b>	tested acc. to EN 1634-3
- Sound Insulation	<b>up to R<sub>w,P</sub> 46dB</b>	tested acc. to EN ISO 10140-2
- Bullet Resistance	<b>FB4/FB6</b>	tested acc. to EN 1522
- Air Tight	<b>up to class 4</b>	tested acc. to EN 1026
- Rain- and Fire-Water Tight	<b>class 6A</b>	tested acc. to EN 1027
- Wind load Resistance	<b>up to class C5</b>	tested acc. to EN 1221
- Blast Resistance	<b>up to 20 kPa</b>	tested acc. to EN 13124-1
- Explosion Protection	<b>up to zone 1/21</b>	acc. to EN 1127-1 or ATEX 2014/34/EU
- Stainless Steel		

## Range of Dimension

**Range of Dimension for Doors**      **Width from 625 mm to 1500 mm**  
**Height from 1750 mm to 3000 mm**

**Range of Dimension for Hatches**      **Width from 625 mm to 750 mm**  
**Height from 500 mm to 1750 mm**

## Technical Specification and Tender Text

<b>Product:</b>	<b>EI<sub>2</sub>60 / T60 single leaf high fire retardant security door brand Buchele tested acc. to EN 1634-1 and EN 1627</b>
<b>Door Type:</b>	<b>PLANE Line PL 601 BASIC</b>
<b>Resistance Class:</b>	<b>RC 5</b>
<b>Structural Opening:</b>	<b>.... x .... mm</b>
<b>Door Leaf:</b>	Double-walled, planar 70 mm thick steel door leaf without hinge embossing, three sides rebated with thick rebate. Without bottom stop. Special insulating inserts fully laid-in and glued. Securing pin screwed in door leaf rebate.
<b>Threshold:</b>	Floor bracket as separation sill. Surface galvanized and welded to the frame.
<b>Frame:</b>	3-sided circumferential rebated corner frame with visible black coated intumescent material in rebate. High-quality multi chamber sealing profile adjustable fixed in the three-sided groove.
<b>Hinges:</b>	Three-part, height adjustable construction hinges with hinge pin retention and ball bearing spacer ring for smooth door movement.

<b>Door Closer:</b>	Door closer system with standard arm acc. to EN 1154 silver coloured mounted on hinge side.
<b>Fitting:</b>	6-point security mortise lock with latch lever function acc. to EN 12209 (prepared for installation of a profile cylinder lock, provided by customer). Security door handle set in acc. to EN 18257 fixed pivoted, stainless steel, in U-shape with rounded long-plate.
<b>Surface:</b>	Door leaf and frame galvanized und primed with 2K-PUR primer (Very High Solid) similar RAL 7035.
<b>Installation:</b>	masonry $\geq 240$ mm concrete $\geq 140$ mm

### Alternative: PLANE Line PL 601 PREMIUM with flush mounted optics

<b>Frame:</b>	3-sided circumferential rebated PLANE Line special corner frame for flush mounted optics on hinge side. With visible, black coated intumescent material in rebate. High-quality multi-chamber sealing profile adjustable fixed in the three-sided groove.
<b>Hinges:</b>	Object hinges type VB-3D 160 adjustable in three dimensions. Fixture element with slide bearings inside for smooth door movement.
<b>Door Closer:</b>	Slide rail door closer system acc. to EN 1154 silver coloured mounted on hinge side.

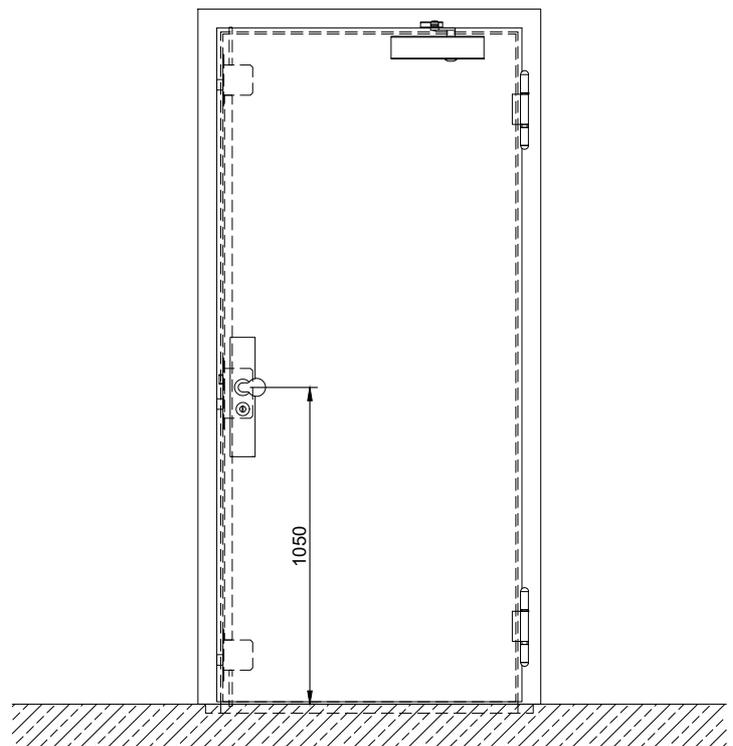
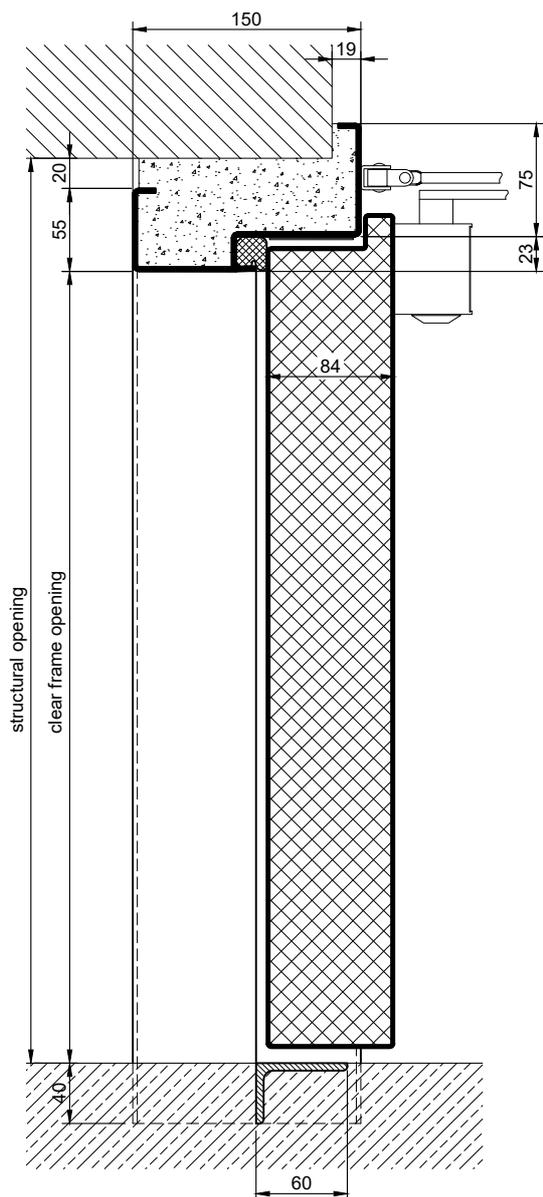
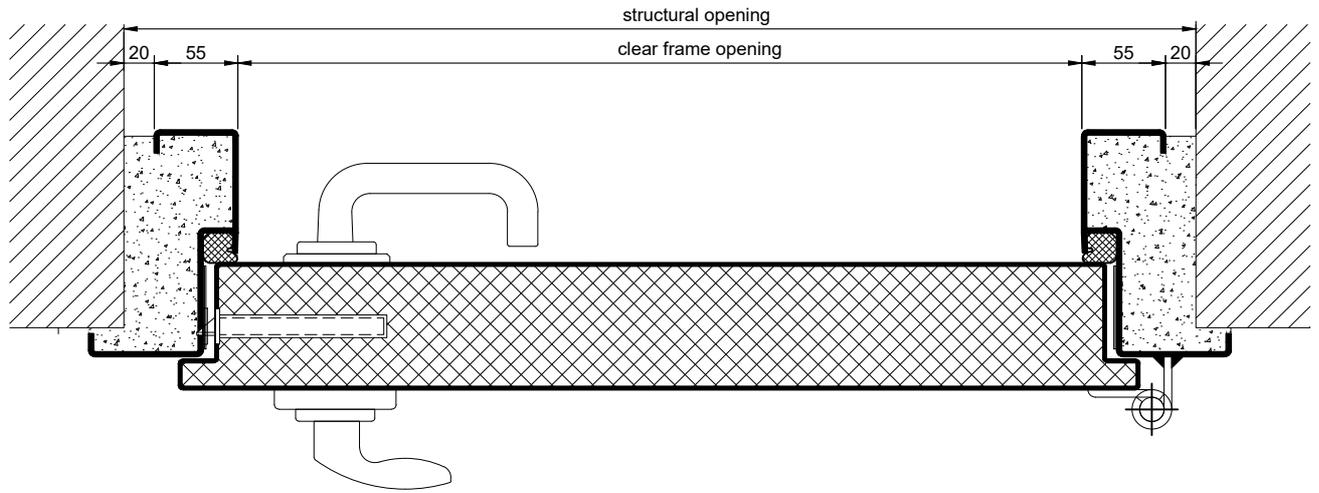
### Alternative: PLANE Line PL 601 SUPERIOR with flush mounted optics

<b>Frame:</b>	3-sided circumferential rebated PLANE Line special corner frame for flush mounted optics on hinge side. With visible, black coated intumescent material in rebate. High-quality multi-chamber sealing profile adjustable fixed in the three-sided groove.
<b>Hinges:</b>	Concealed hinge system adjustable in three dimensions.
<b>Door Closer:</b>	Concealed slide rail door closer system acc. to EN 1154 integrated in frame and door leaf.

### Supplementary Equipment

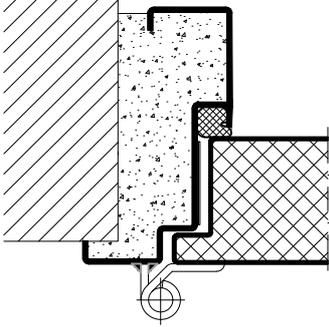
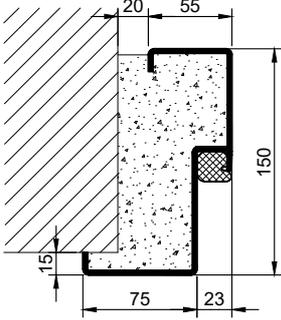
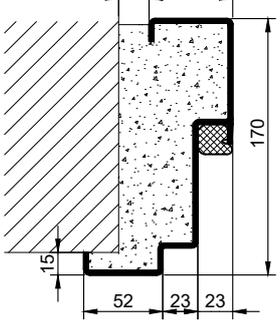
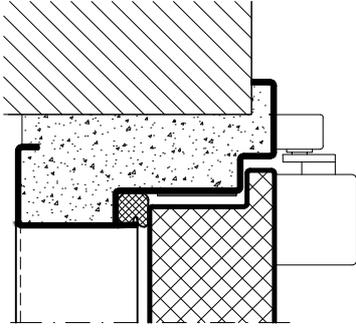
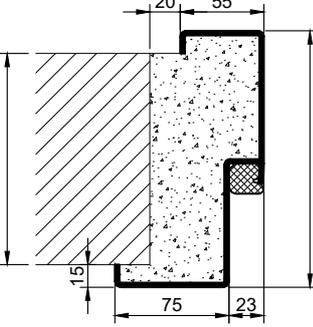
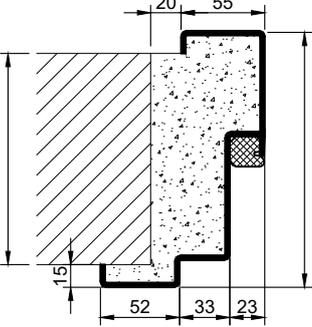
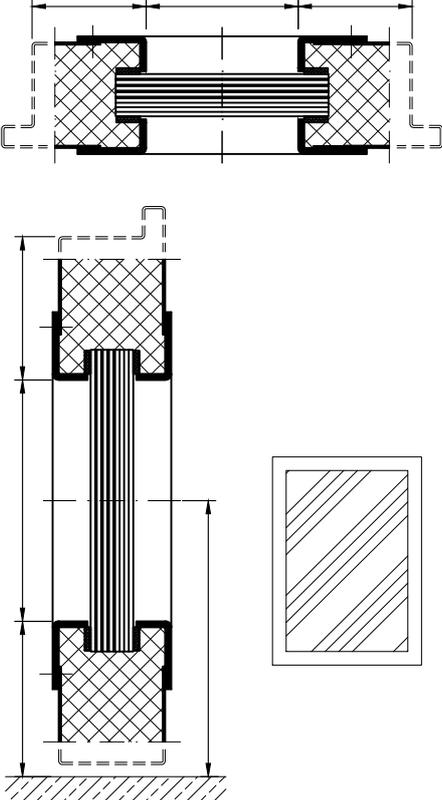
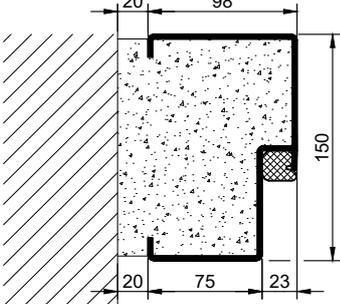
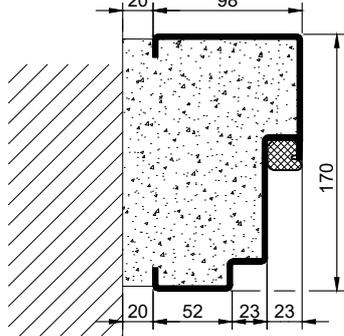
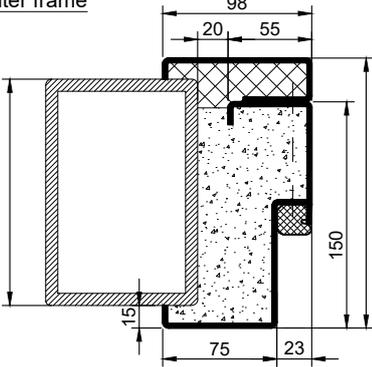
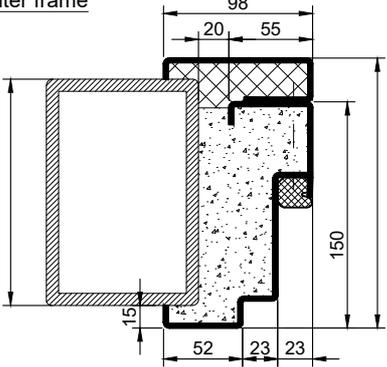
<b>Glazing:</b>	F60 fire-protective glazing fixed with profiled and visible screwed steel glazing bars. Minimum border 125 mm on side and top, base 300 mm.
<b>Stainless Steel:</b>	Material 1.4301 (V2A) or 1.4404 (V4A), Surface mill finish or brushed.
<b>BUCHELE DELUXE:</b>	The exclusive surface coating.

### BASIC - Version



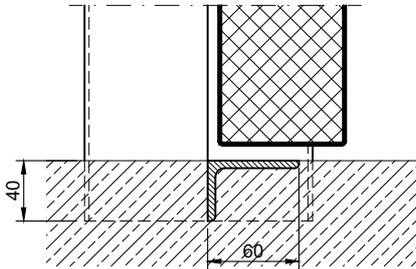
1.22.4\_PLANE LINE PL 601 RC5\_EN

technical modifications reserved - edition 05/2024

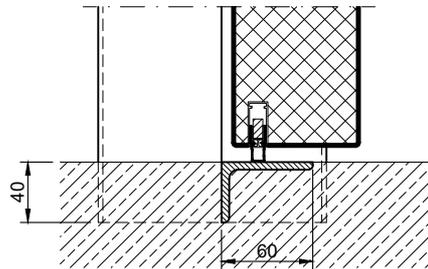
PREMIUM - Version	Frames BASIC	Frames PREMIUM
<p>construction hinges</p> 	<p>corner frame</p> 	<p>corner frame</p> 
<p>slide rail door closer</p> 	<p>encasing frame</p> 	<p>encasing frame</p> 
<b>Optionen</b>		
<p>glazing</p>  <p>1.22.4 PLANE LINE PL 601 RC5_EN</p>	<p>block frame</p> 	<p>block frame</p> 
	<p>corner frame with counter frame</p> 	<p>corner frame with counter frame</p> 

### Thresholds

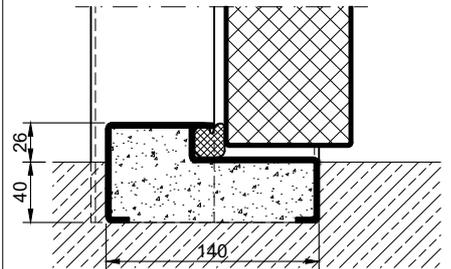
separation sill



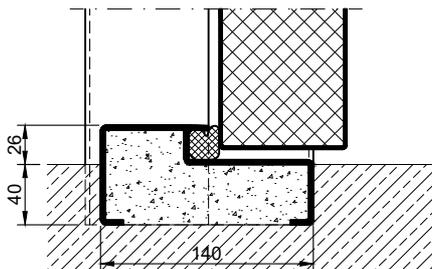
drop seal



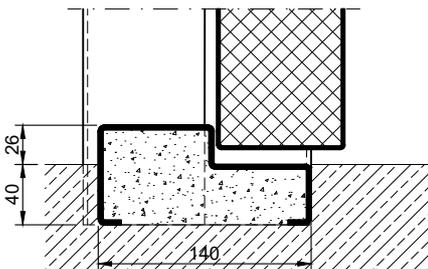
stop sill with seal



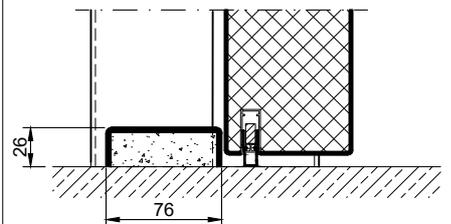
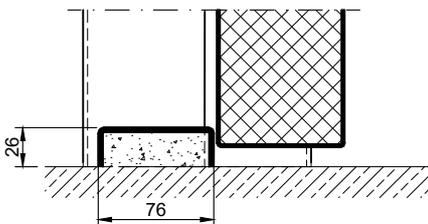
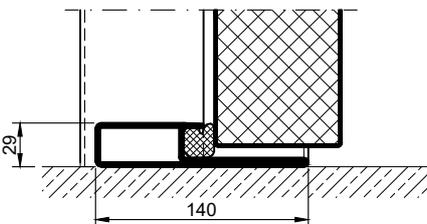
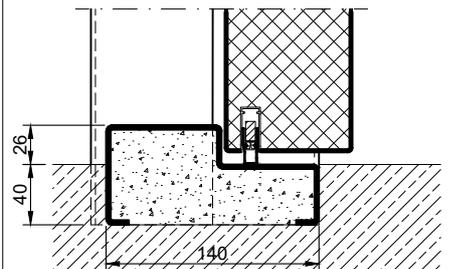
stop sill with seal



stop sill without seal



stop sill with drop seal



full sill

