

Double Leaf PLANE Line Transformer Station Door

acc. to DIN EN 62271-202 (VDE 0671-202) or DIN EN 61936-1 (VDE 0101-1)

Optional Audited Additional Functions

- Burglar Protection	RC2/RC3/RC4/RC5	tested acc. to EN 1627
- Blast Resistance	up to 20 kPa	tested acc. to EN 13124-1
- Explosion Protection	up to zone 1/21	acc. to EN 1127-1 or ATEX 2014/34/EU
- Protection Class	IP23D / IP44	tested acc. to DIN EN 60529
- Stainless Steel		

Range of Dimension

Width from 1000 mm to 3000 mm
Height from 500 mm to 3000 mm

Technical Specification and Tender Text

Product:	PL 2 double leaf transformer station door brand Buchele acc. to DIN EN 62271-202 (VDE 0671-202)
Door Type:	PLANE Line PL 2 (Trafo) BASIC
Structural Opening:	 x mm
Door Leaf:	Double-walled, planar 70 mm thick steel door without hinge embossing, three sides rebated with thick rebate. Without bottom stop. Non-flammable special insulating inserts fully laid-in and glued. Passive leaf with multi-chamber sealing profile in the middle rebate.
Ventilation Grille:	Poke-proof slanted double slats made out of steel, fully backed with bird protection grille 10x10 mm. Size dependent on specification for free ventilation cross-section.
Threshold:	Floor bracket as separation sill. Surface galvanized and welded to the frame.
Frame:	3-sided circumferential rebated corner frame. High-quality multi chamber sealing profile adjustable fixed in the three- sided groove.
Hinges:	Three-part, height adjustable construction hinges with hinge pin retention and ball bearing spacer ring for smooth door movement.
Fitting:	Active leaf: mortise lock with latch lever function acc. to EN 12209 (prepared for installation of a profile cylinder lock, provided by customer). Door handle set in acc. to EN 1906 fixed pivoted stainless steel in U-shape with rounded short-plate. Passive leaf with concealed shoot-bolt lock.
Grounding:	Grounding connection between door leaf and frame. Separate threaded opening in the frame for connection to the customer's grounding circuit.
Surface:	Door leaf and frame galvanized und primed with 2K-PUR primer (Very High Solid) similar RAL 7035.

Alternative: PLANE Line PL 2 PREMIUM with flush mounted optics

Frame:	3-sided circumferential rebated PLANE Line special corner frame for flush mounted optics on hinge side. High-quality multi-chamber sealing profile adjustable fixed in the three-sided groove.
Hinges:	Object hinges type VB-3D 160 adjustable in three dimensions. Fixture element with slide bearings inside for smooth door movement.

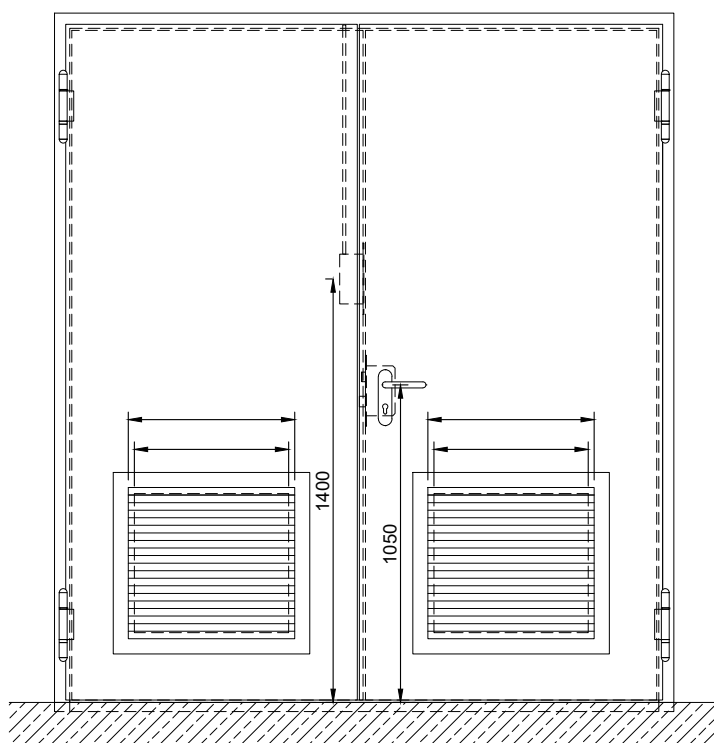
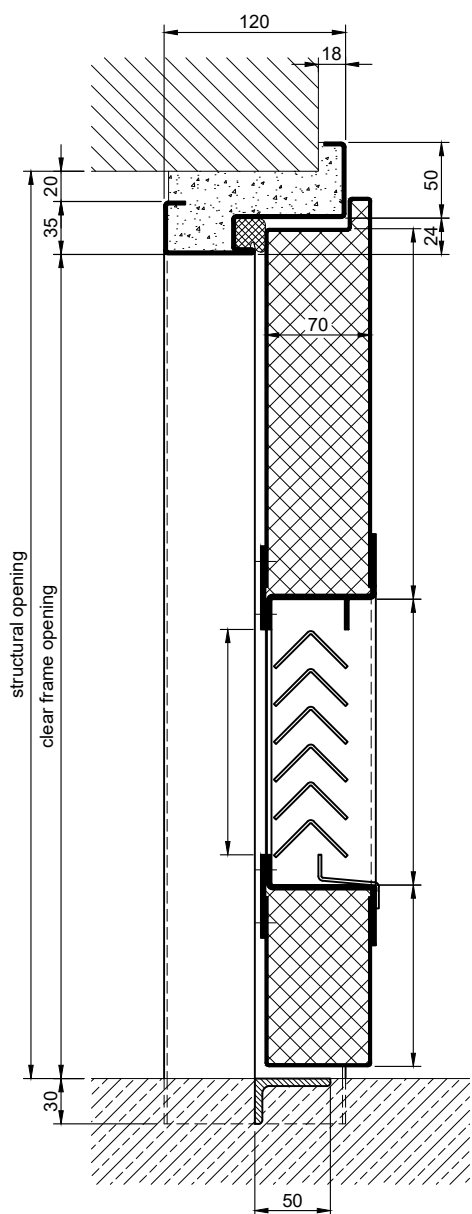
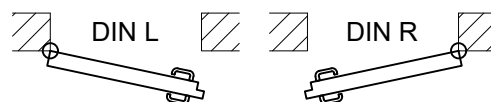
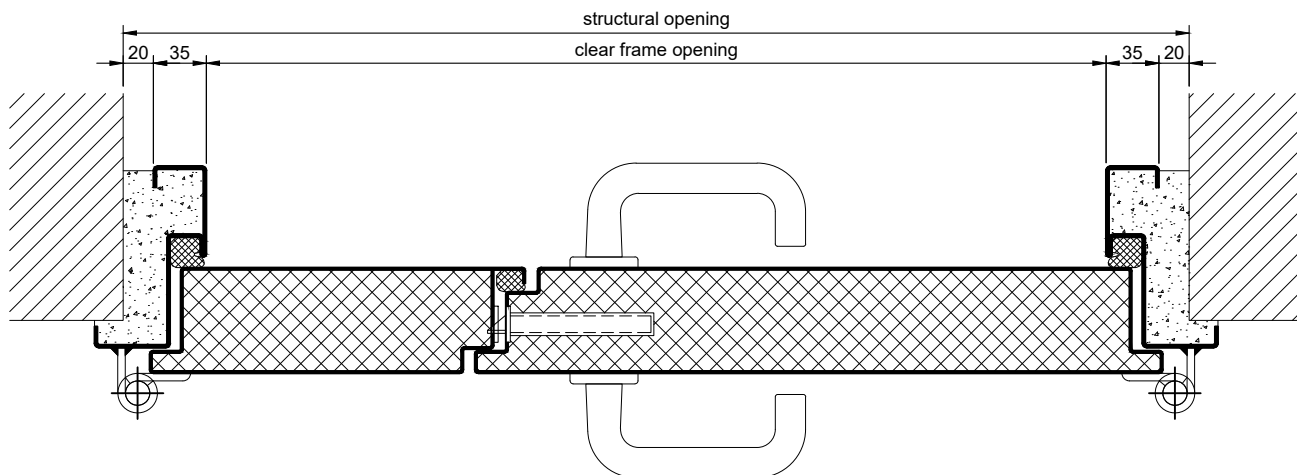
Alternative: PLANE Line PL 2 SUPERIOR with flush mounted optics

Frame:	3-sided circumferential rebated PLANE Line special corner frame for flush mounted optics on hinge side. High-quality multi-chamber sealing profile adjustable fixed in the three-sided groove.
Hinges:	Concealed hinge system adjustable in three dimensions.

Supplementary Equipment

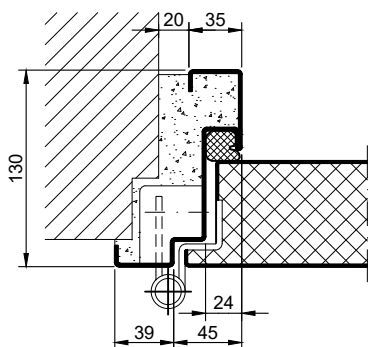
Standard Glazing:	Single glazing or insulating glazing fixed with profiled and visible screwed steel glazing bars. Minimum border 125 mm on side and top, base 300 mm.
Flush Glazing:	PLANE Line special glazing flush mounted with outer edge of door leaf on hinge side and opposite hinge side. Edge enamelling and permanent elastic glazing joint in colour black RAL 9004. Minimum border 125 mm on side and top, base 300 mm.
Hold-Open Device:	Buchele hold-open device mounted on the opposite hinge side on the lintel section of the frame. The door leaf is automatically fixed at 90° opening. Fixation can be released by a push rod.
Double cylinder lock:	Lock with two profile cylinder punches acc. to DIN EN 12209 (prepared for installation of two profile cylinders, provided by customer)
Fanlight:	Ventilation grille, fixed mounted in the frame above the door leaf with poke-proof slanted double slats made out of steel, fully backed with bird protection grille 10x10 mm.
Stainless Steel:	Material 1.4301 (V2A) or 1.4404 (V4A), Surface mill finish or brushed.
BUCHELE DELUXE:	The exclusive surface coating.

BASIC Version

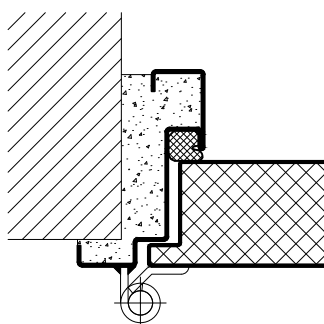


PREMIUM Version

object hinges VB-3D

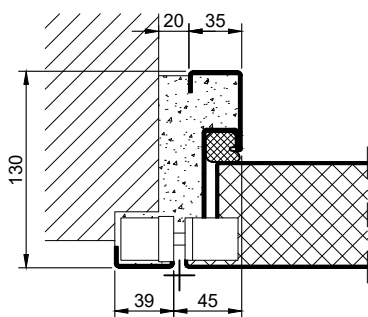


construction hinges



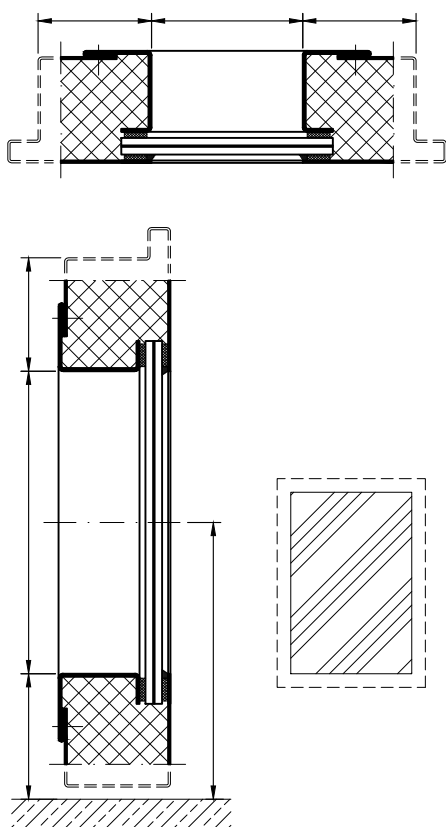
SUPERIOR Version

concealed hinges

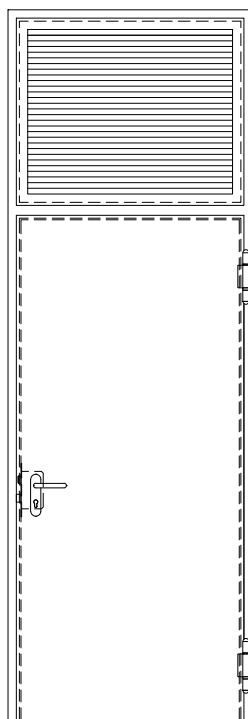


Options

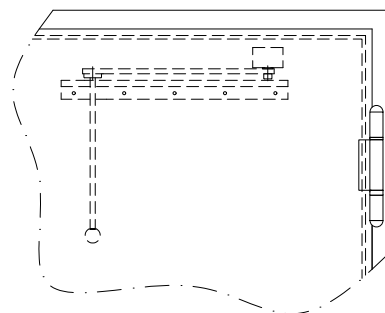
glazing



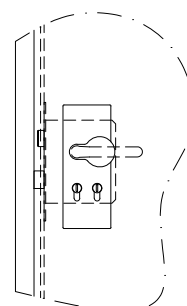
upper ventilation grille

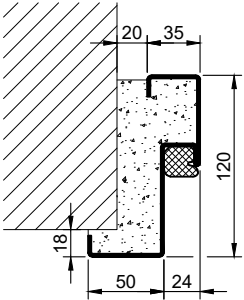
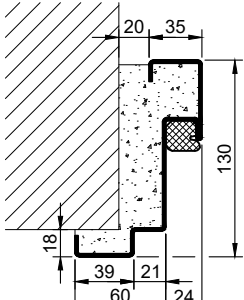
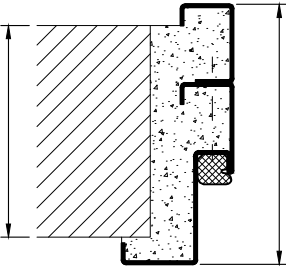
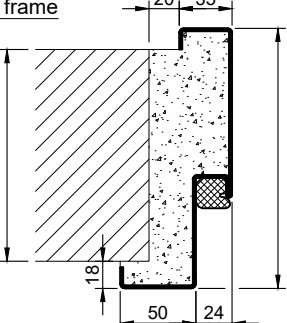
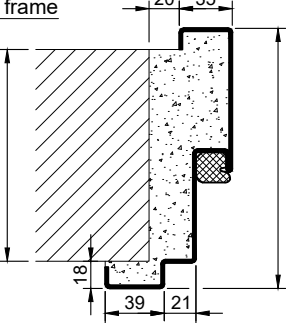
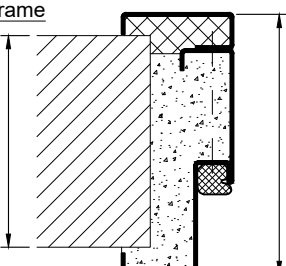
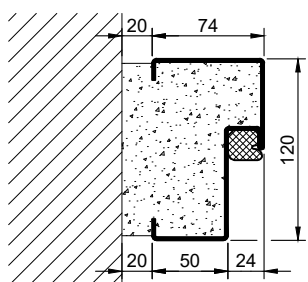
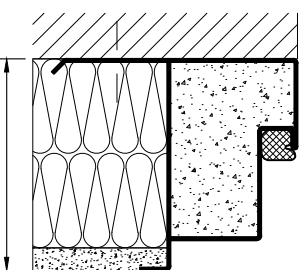
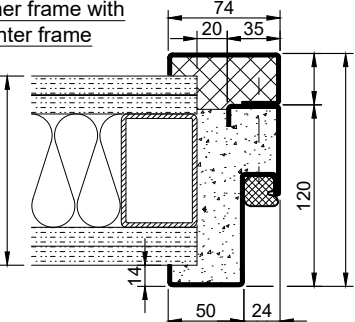
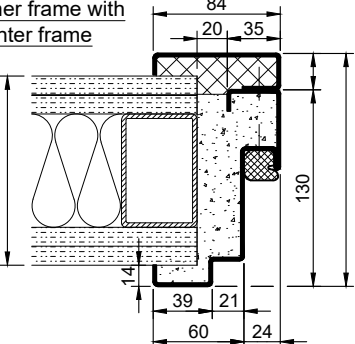
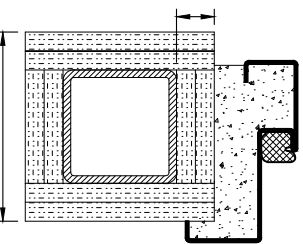
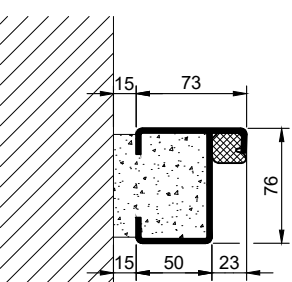
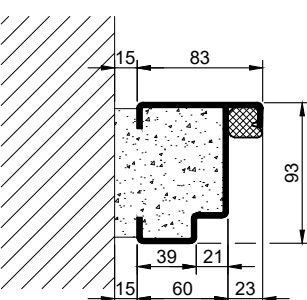
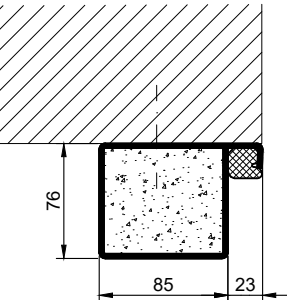


hold-open unit



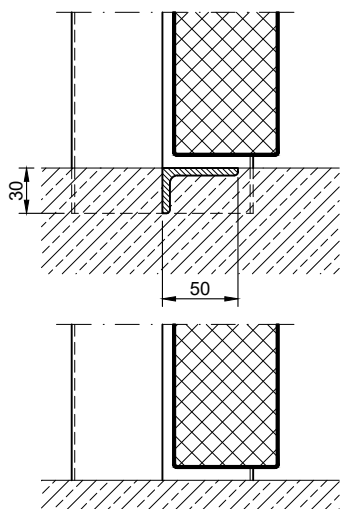
lock with 2 profile cylinder punches



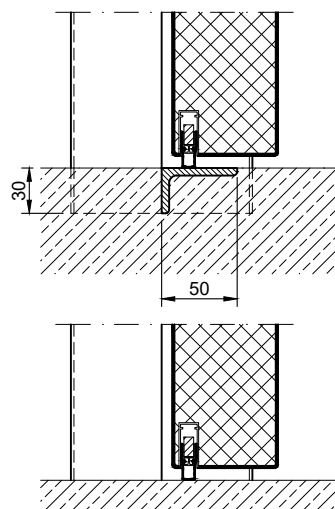
Frames BASIC	Frames PREMIUM/SUPERIOR	Variants (illustration BASIC)
corner frame 	corner frame 	corner frame with additional frame 
encasing frame 	encasing frame 	encasing frame with counter frame 
block frame 	block frame 	jutted block frame 
corner frame with counter frame 	corner frame with counter frame 	corner frame at support / pillar 
profile block frame 	profile block frame 	pre-wall frame 

Thresholds

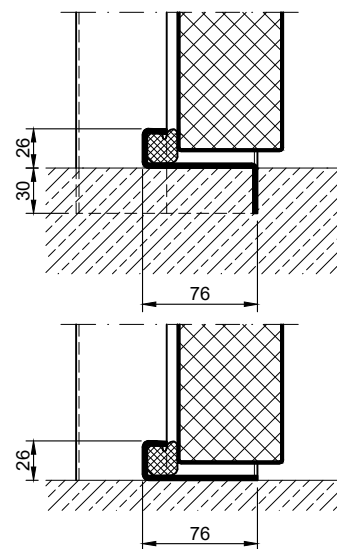
separation sill



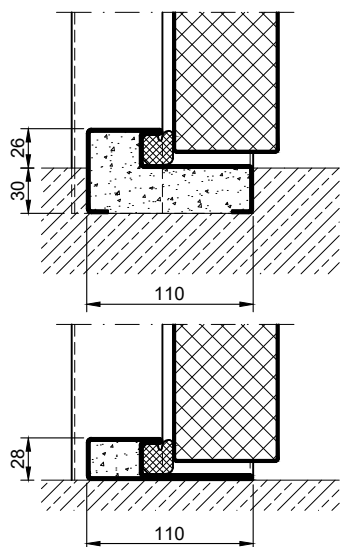
drop seal



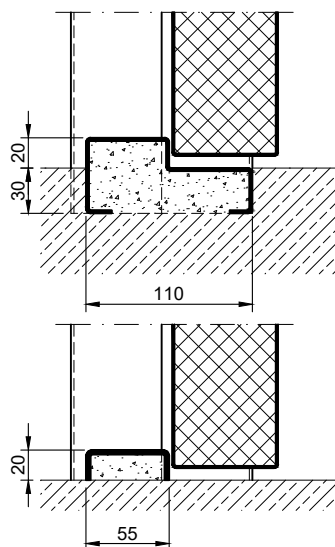
stop sill with seal



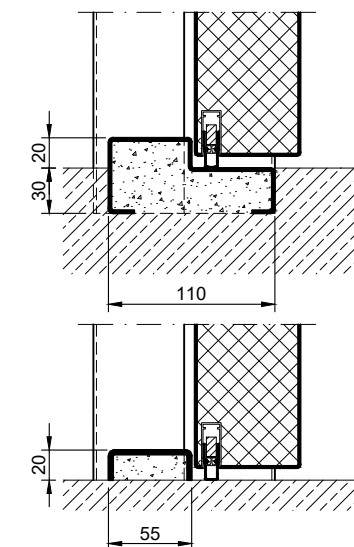
stop sill with seal



stop sill without seal



stop sill with drop seal



full sill

