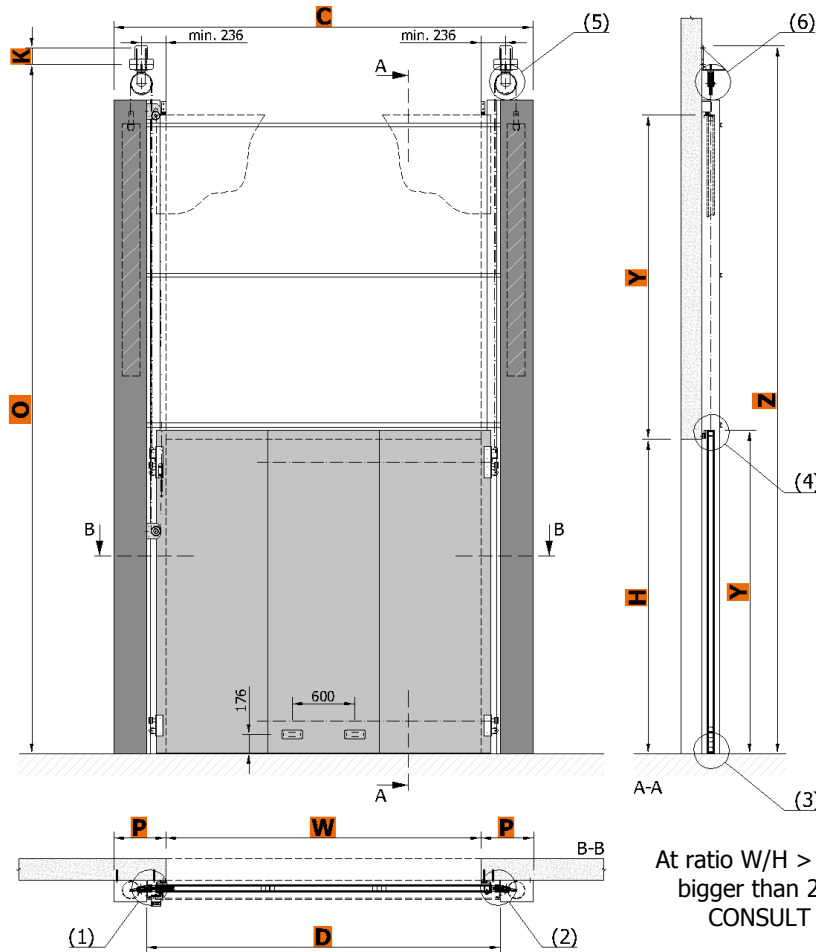# Somati
system s.r.o.

TECHNICAL DATA SHEET
VERTICALLY SLIDING FIRE GATES
GGS EI 60

Technical data sheets serve to determine the basic space requirements of vertically sliding fire gates. Other dimensions or atypical demands can be solved upon request.

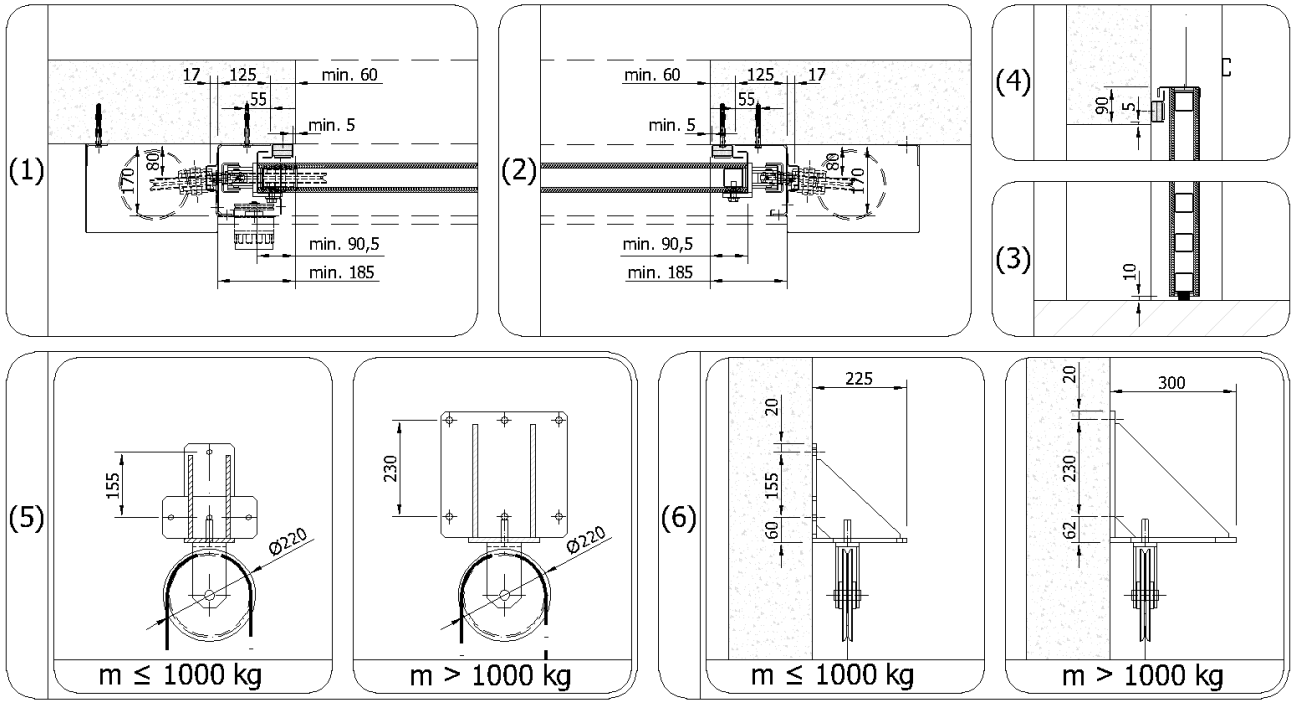| GGS EI 60	COUNTERWEIGHT ON BOTH SIDES

min. 236   min. 236   (5)   (6)

At ratio W/H > 1 or at area of opening bigger than 25 m² NECESSARY TO CONSULT WITH PRODUCER.

Electromagnetic brake can be additionally changed for motor EPO with control box 1RM1.

W	opening width [mm]		**H**	opening height [mm]	
Y	gate range	$= H + 90$ mm			
D	external pitch of guide tracks	$= W + 2 \times$ min. 185 mm (+ 2x 17 mm bolts)			
C	overall width	$= W + 2 \times P$			
A	vertical part of steel structure	$= O_1 - 60$ mm			
K	pitch of bracket anchor points	$= (m \le 1000$ kg$) \Rightarrow 155$ mm; $(m > 1000$ kg$) \Rightarrow 230$ mm			
O₁	anchoring axis of pulley	$= H + Y +$ min. 485 mm			
P	cover of counterweight	$=$ min. 450 mm			
Z	overall height	$= (m \le 1000$ kg$) \Rightarrow O_1 + 175$; $(m > 1000$ kg$) \Rightarrow O_1 + 250$ mm			
E	edge of steel structure	$= P - 80$ mm			

Average weight of gate leaf $m = 50$ kg/m²

(1) | (2) | (4) | (3)

(5) m ≤ 1000 kg | m > 1000 kg | (6) m ≤ 1000 kg | m > 1000 kg

Minimum required dimensions of steel structure

m > 1000 kg

m ≤ 1000 kg

CLEAR OPENING

STEEL STRUCTURE SHALL SATISFY THE REQUIRED FIRE RESISTANCE.

SUPPORTING STRUCTURE IS SUBJECT TO APPROVAL OF THE STRUCTURAL ANALYST BASED ON THE GIVEN WEIGTH OF GATE.
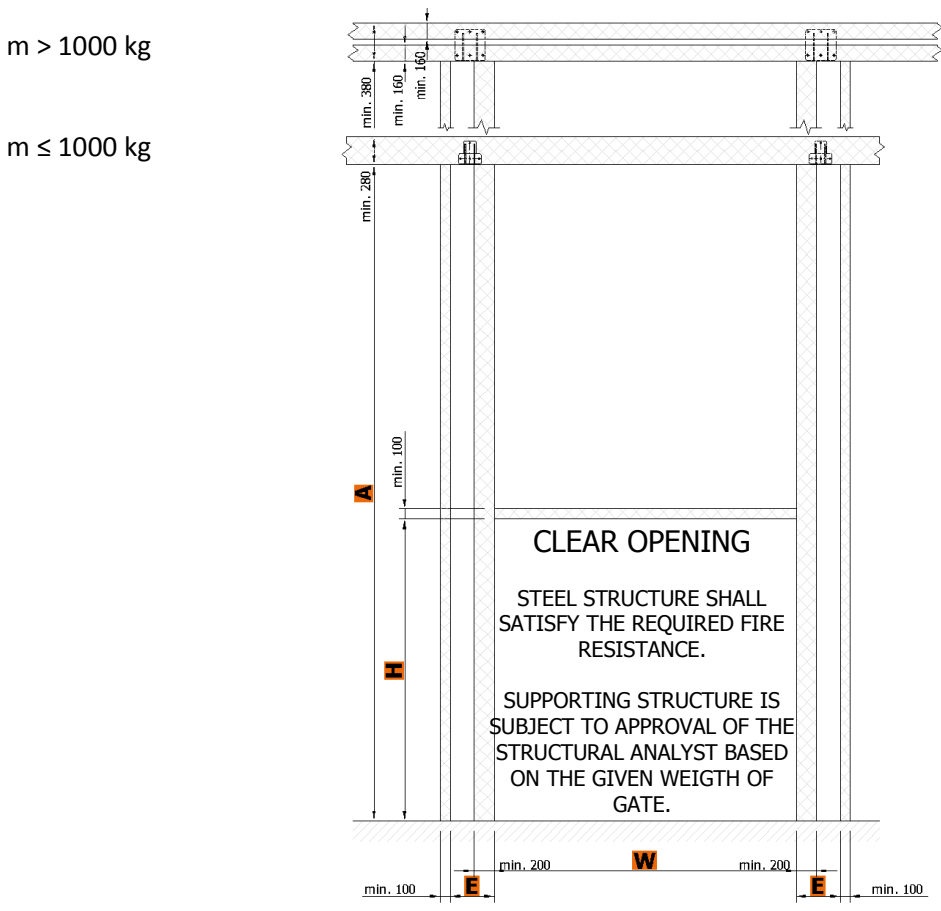
Construction readiness of the opening is secured by the customer according to the requirements of the contractor and depending on the type of jamb and lintel of the opening.

Anchor brackets can be fixed with anchor bolts (concrete, solid brick), or to anchor targets with bolts through wall (foam silicate, gas silicate or breeze (hollow) blocks), or to prepared steel structure with appropriate fire resistance (plasterboard wall, sandwich panels etc.). It is necessary to respect the flatness of the wall and the floor with a tolerance of max. 3 mm/m.

Technical changes reserved.