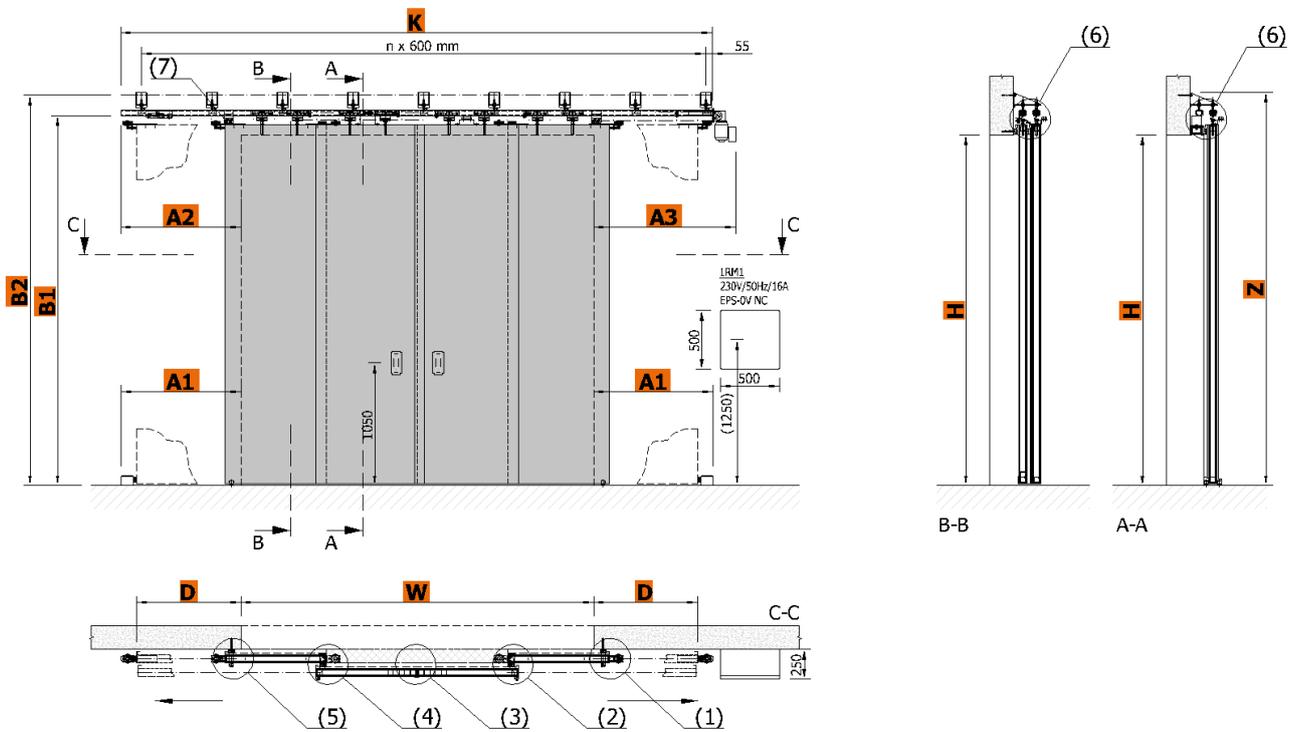# Somati
system s.r.o.

TECHNICAL DATA SHEET
SLIDING TELESKOPIC FIRE GATES
DOUBLE LEAF SGS-T
EI 60

Technical data sheets serve to determine the basic space requirements of sliding telescopic fire gates. Other dimensions or atypical demands can be solved upon request.
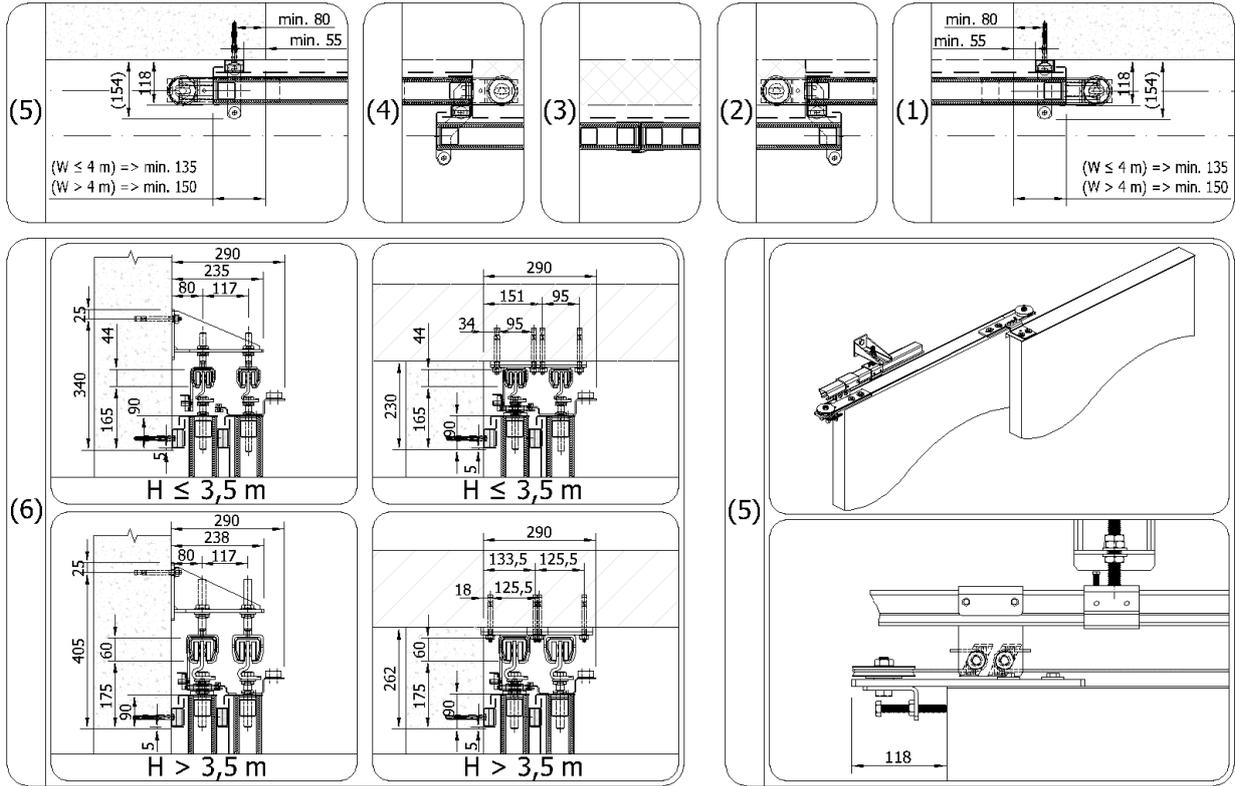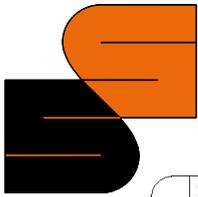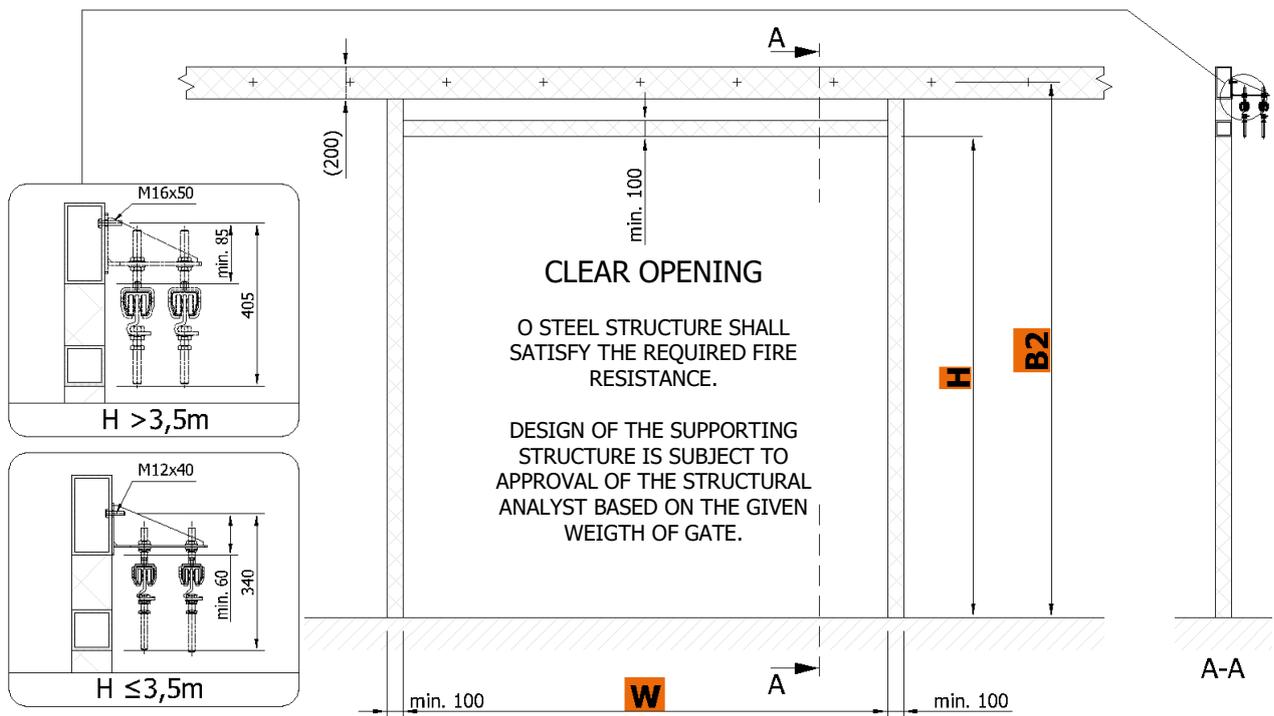
SGS-T (2+2) EI 60   MOTOR

W	opening width [mm]		H	opening height [mm]
D	gate range	= W/4 + min. 135 mm		
A1	floor stop	= D + 130 mm		
A2	overlap from edge of opening	= D + min. 118 mm		
A3	overlap from edge of opening	= D + min. 325 mm		
K	length of rail	= A2 + W + D + min. 125 mm		
Y	height of gate leaf	= H + 90 mm		
B1	height of rail from floor	= (H ≤ 3,5 m) => H + 165 mm; (H > 3,5 m) => H + 175 mm		
B2	axis of fixing system	= (H ≤ 3,5 m) => H + 340 mm; (H > 3,5 m) => H + 405 mm		
Z	overall height without cover	= (H ≤ 3,5 m) => H + 365 mm; (H > 3,5 m) => H + 430 mm		

Average weight of gate leaf = 50 kg/m^2

(5) (4) (3) (2) (1)

(W ≤ 4 m) => min. 135
(W > 4 m) => min. 150

(6) H ≤ 3,5 m   H ≤ 3,5 m   (5)

H > 3,5 m   H > 3,5 m

Minimum required dimensions of steel structure

M16x50

H >3,5m

M12x40

H ≤3,5m

CLEAR OPENING

O STEEL STRUCTURE SHALL
SATISFY THE REQUIRED FIRE
RESISTANCE.

DESIGN OF THE SUPPORTING
STRUCTURE IS SUBJECT TO
APPROVAL OF THE STRUCTURAL
ANALYST BASED ON THE GIVEN
WEIGTH OF GATE.

A-A

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.

Would you like to know more? Contact us.