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European Technical Assessment Body
for construction products



Member of

European Technical Assessment

ETA-24/0730
of 7 November 2024

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the
European Technical Assessment:

Trade name of the construction product

Product family
to which the construction product belongs

Manufacturer

Manufacturing plant

This European Technical Assessment
contains

This European Technical Assessment is
issued in accordance with Regulation (EU)
No 305/2011, on the basis of

Deutsches Institut für Bautechnik

Schiebetor ORPHEUS-FAA
Hubtor APOLLO-FAA

Kit for closure system for conveyor systems

JANSEN TORE GmbH & Co. KG
Am Wattberg 51
26903 Surwold
DEUTSCHLAND

JANSEN TORE GmbH & Co. KG
Am Wattberg 51
26903 Surwold
DEUTSCHLAND

45 pages including 34 annexes which form an integral
part of this assessment

350022-01-1107

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- Seal system

In the overlap of the movable sliding leaf and adjacent wall on the side of the sliding leaf facing the wall additional strips of an intumescent material¹ are positioned.

The closure in the conveyor technology area is sealed by sealing segments on the sliding leaf and the fixed panel (see table 6).

Strips of calcium silicate boards are positioned in the gaps between conveyor technique and fixed panel. Strips of an intumescent material are positioned in the residual gaps¹.

- Closing device (closing weight system)

The kits "ORPHEUS-FAA" and "APOLLO-FAA" will be closed via stored mechanical energy (closing weight system, spring force, deadweight of the sliding leaf).

2 Specification of the intended use in accordance with the applicable European Assessment Document

2.1 General

In accordance with this European Technical Assessment, the kits "ORPHEUS-FAA" and "APOLLO-FAA" were assessed as closure to seal necessary openings in internal walls for conveyor systems disconnected in the closing area (table 1 to 3) and for conveyor systems which are continued in the closing area (see table 4 and 5).

The kits "ORPHEUS-FAA" and "APOLLO-FAA" are not intended for passenger transportation. The normal position of the closures shall be opened (closing in the event of fire).

The following applies to the kits "ORPHEUS-FAA" and "APOLLO-FAA":

- The normally-open closure (open in the normal position; closes in the event of a fire) is equipped with a hold-open system suitable for the closure – where applicable in conjunction with the national regulations.
- The normally-open closure, which cannot be opened from a fixed position (floor, pedestal etc.), is equipped with a drive to open the closure.
- It is ensured that the closing of the closure is not obstructed by conveyed goods or other objects.
- It is ensured that the closed closure cannot be damaged by conveyed goods or other objects.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the kits "ORPHEUS-FAA" and "APOLLO-FAA" of at least 10 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

NOTE: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this document.

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 350022-01-1107, the applicable European legal act is: 1999/454/EG.
The system to be applied is: 1

In addition, with regard to e. g. reaction to fire of components and materials for products covered by this EAD the applicable European legal act is: 1999/454/EG.

The systems to be applied are: 1 / 3 / 4 (dependent on classes of reaction to fire)

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

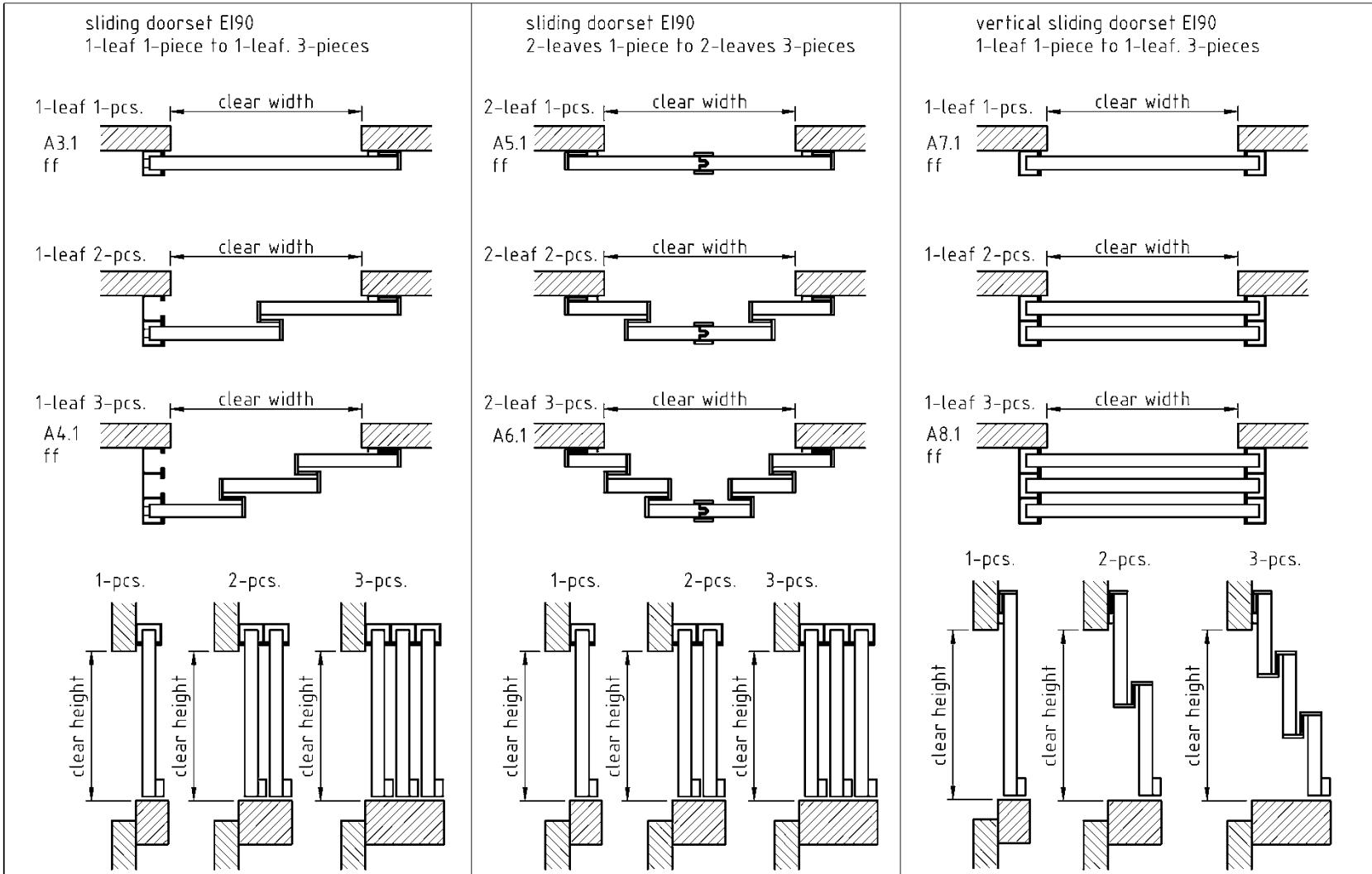
The manufacturer provides installation instructions and maintenance instructions for every kit "ORPHEUS-FAA" (sliding gate) und "APOLLO-FAA" (lifting gate). The maintenance instructions clearly indicate which work is to be performed to ensure that the installed closure system continues to perform its task after long-term use.

The manufacturer shall provide instructions on processing, packaging, transport, storage and use, maintenance and repair of the construction product.

Issued in Berlin on 7 November 2024 by Deutsches Institut für Bautechnik

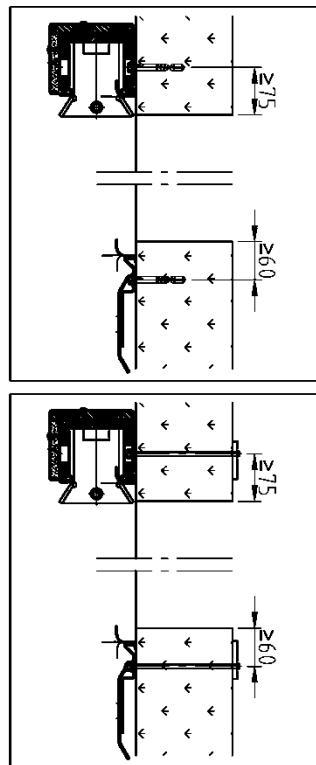
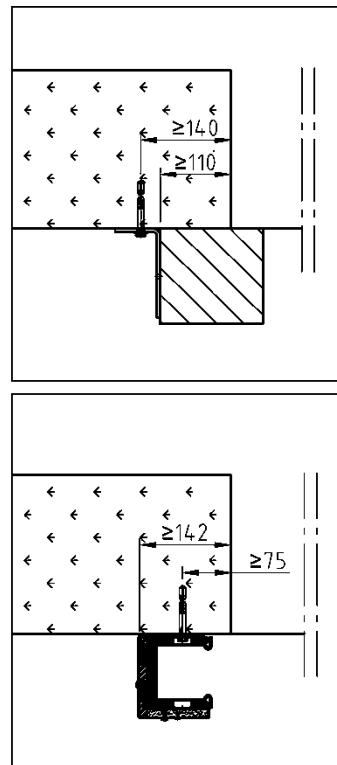
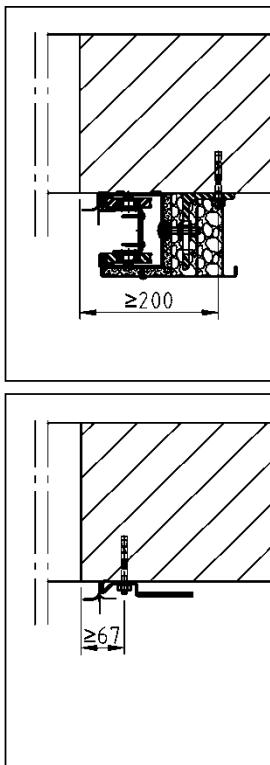
Christina Pritzkow
Head of Section

beglaubigt:
Biedermann



Fixing to the side or bottom edge for sliding doorsets/vertical sliding doorsets

- aerated concrete (fixing 1/2)
- masonry (fixing 1/2/3)
- concrete (fixing 1/2/3)



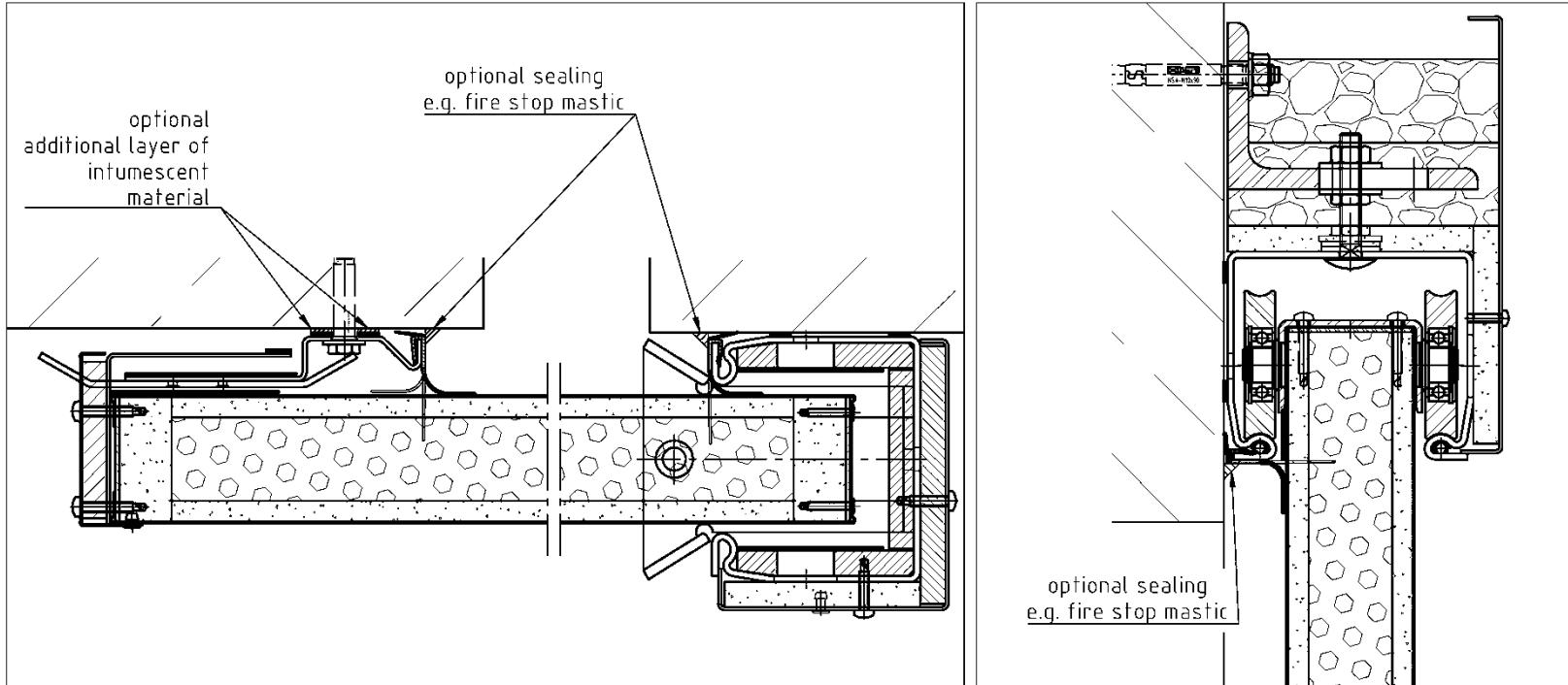
Fixing to the lintel for sliding doorsets/vertical sliding doorsets
• concrete (Befestigung 4/5/6)

fixing and min. load capacity [Frk]		
no	fixing	Frk
1	pass-through mounting $\geq M8$	strength class ≥ 4.6
2	mechanical metal anchor M8 or bonded fastener $\varnothing 8 \text{ mm}$ according to ETA with proof of performance under fire exposure	$\geq 0.21 \text{ kN}$
3	Injection mortar with threaded rod $\geq M8$ according to ETA with proof of performance under fire exposure	$\geq 0.21 \text{ kN}$
4	mechanical metal anchor M10 according to ETA with proof of performance under fire exposure	$\geq 8.5 \text{ kN}$
5	pass-through mounting $\geq M10$	strength class ≥ 4.6
6	Injection mortar with threaded rod $\geq M10$ according to ETA with proof of performance under fire exposure	$\geq 8.5 \text{ kN}$

Schiebetor ORPHEUS-FAA
Hubtor APOLLO-FAA

Wall types and fastening – sliding gate / lifting gate

Annex 2



Schieberotor ORPHEUS-FAA

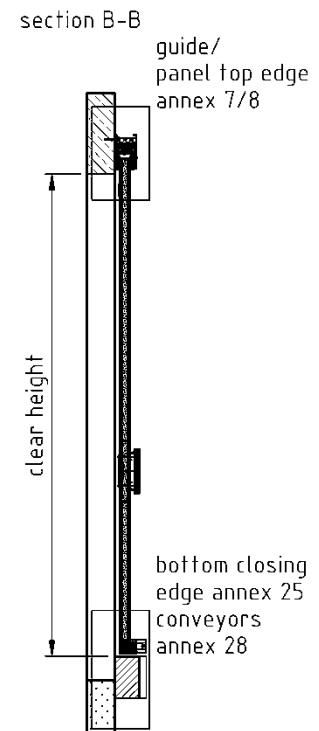
Hubtor APOLLO-FAA

Wall connections

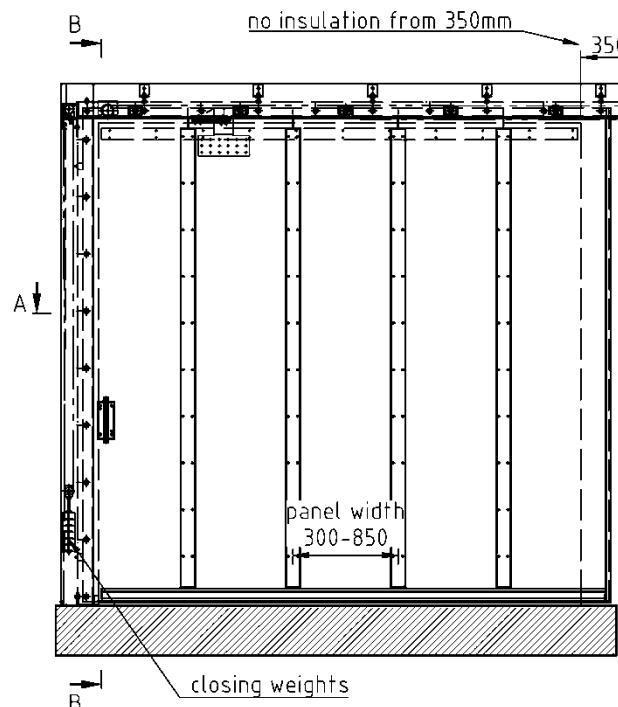
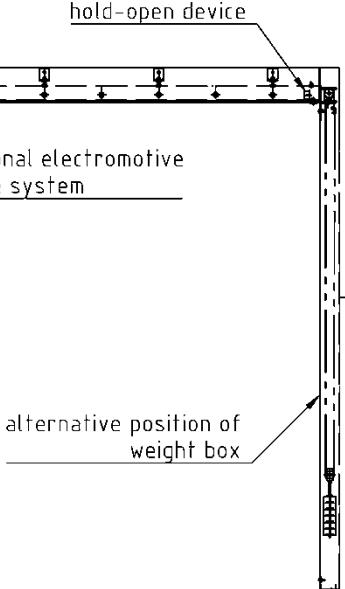
Z155482.24

Annex 3

8.11.07-14/23



alternative drive systems
 • electromotive drive system with hold-open device
 • electromotive drive system with hold-open device in the door leaf connector



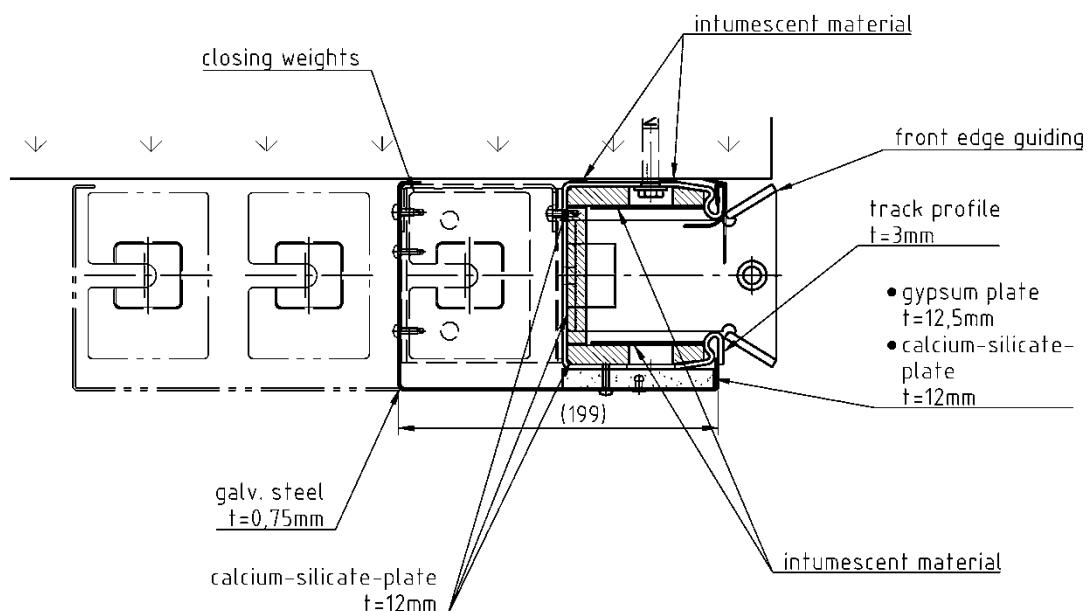
Schiebetor ORPHEUS-FAA
 Hubtor APOLLO-FAA
 Sliding gate, single leaf, one element
 Overview drawing

Z155493.24

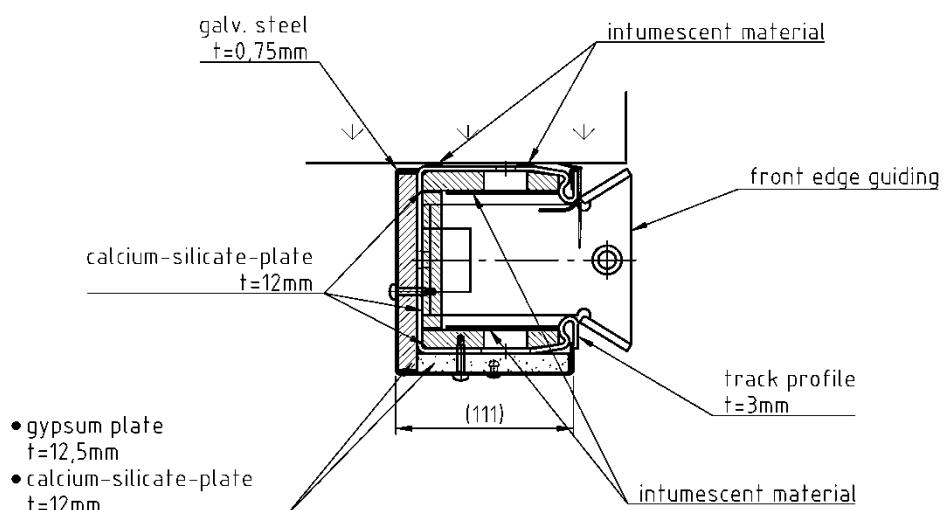
Annex 4

8.11.07-14/23

front edge with weight box



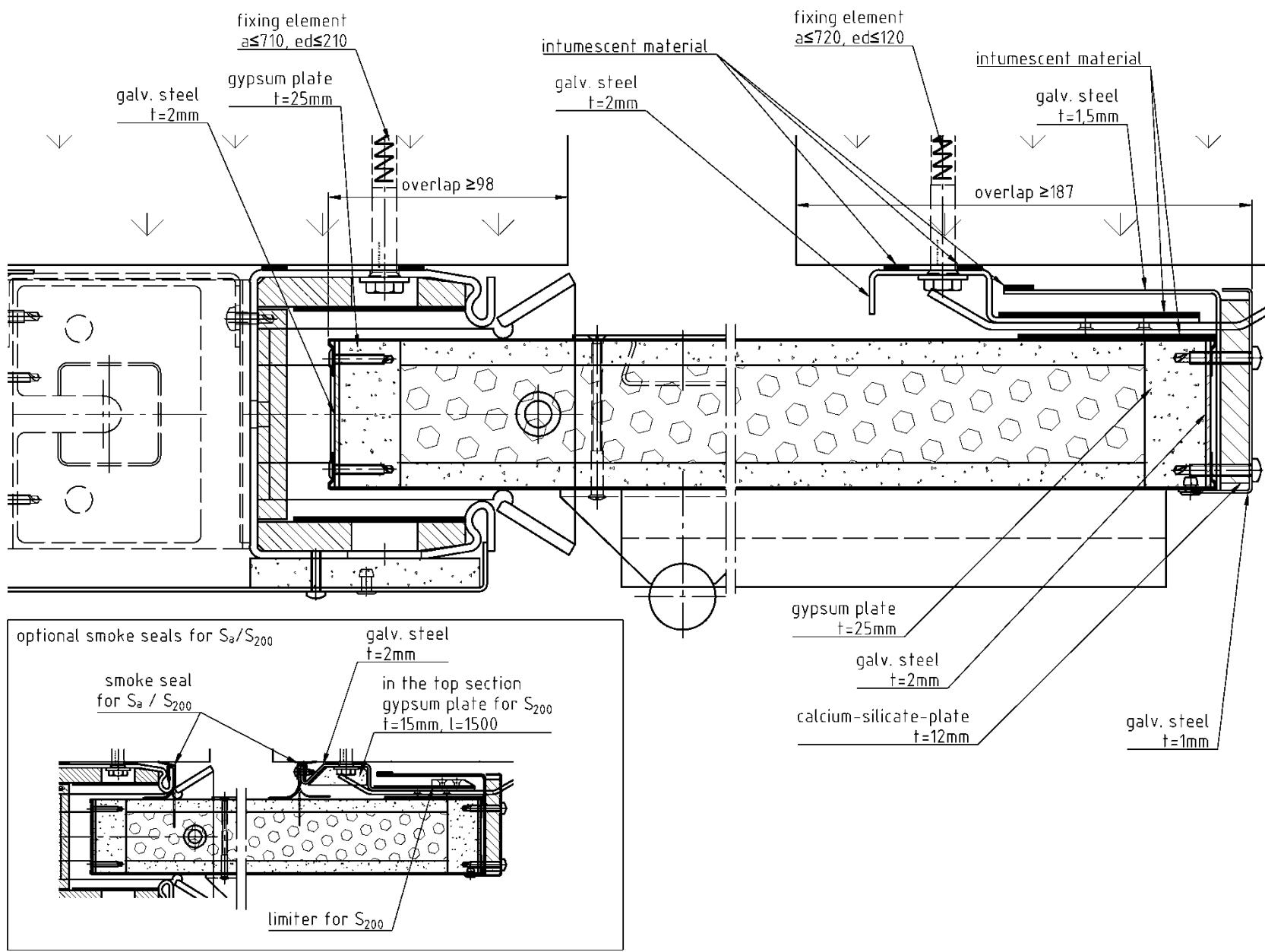
front edge without weight box

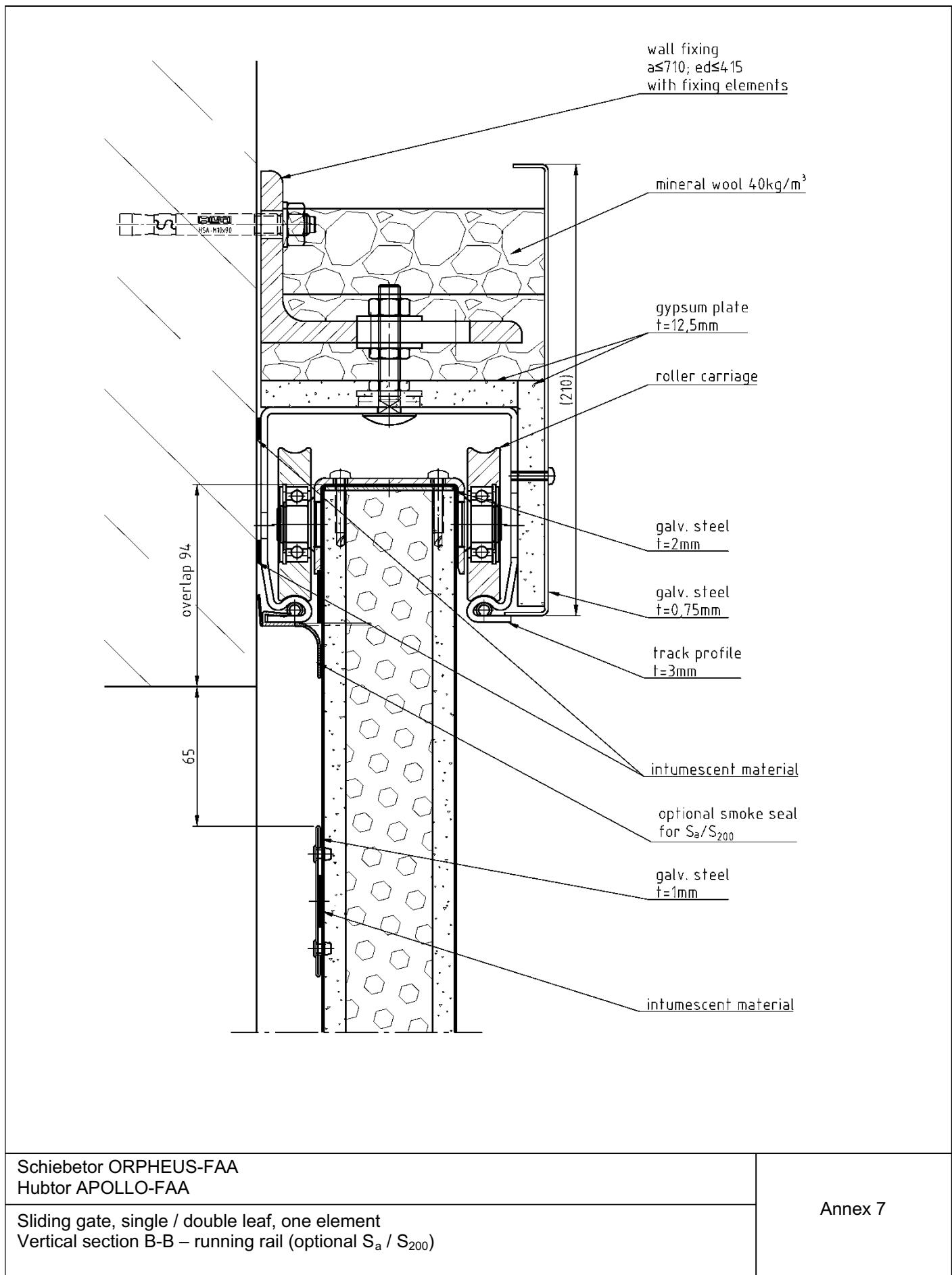


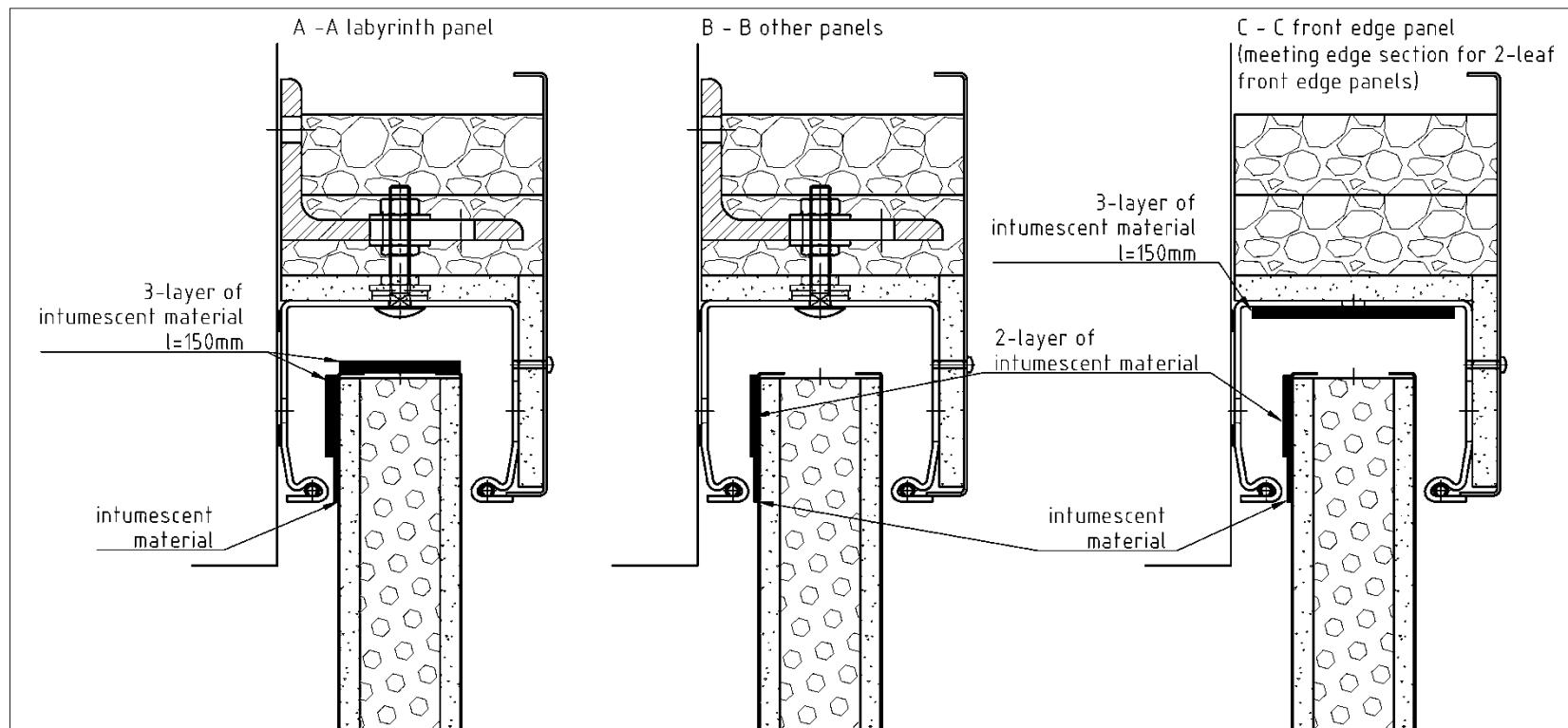
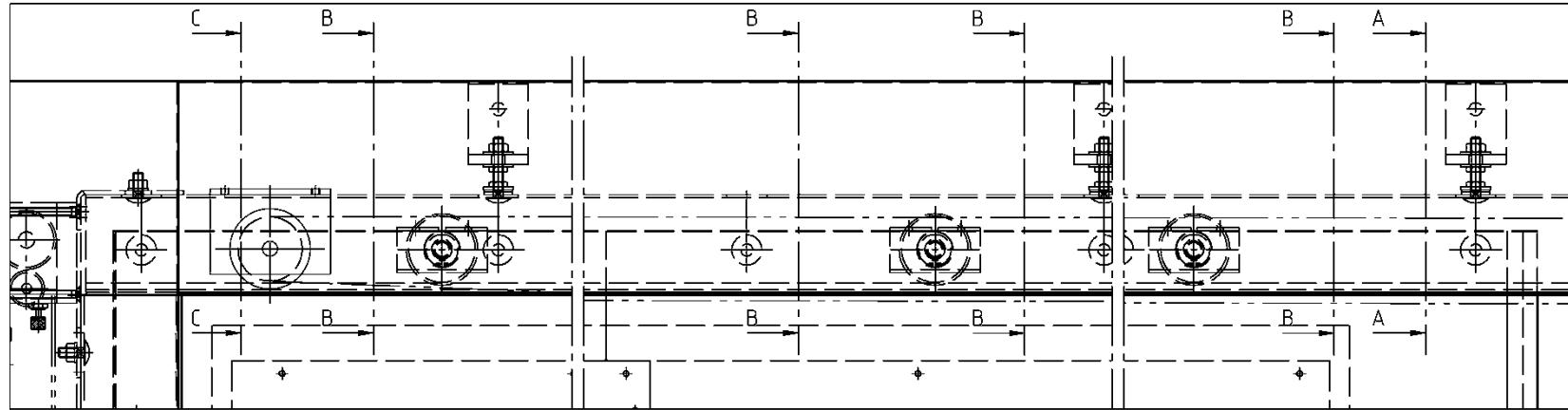
Schiebetor ORPHEUS-FAA
Hubtor APOLLO-FAA

Sliding gate, single leaf, one element
Basic structure / design of the inlet side

Annex 5







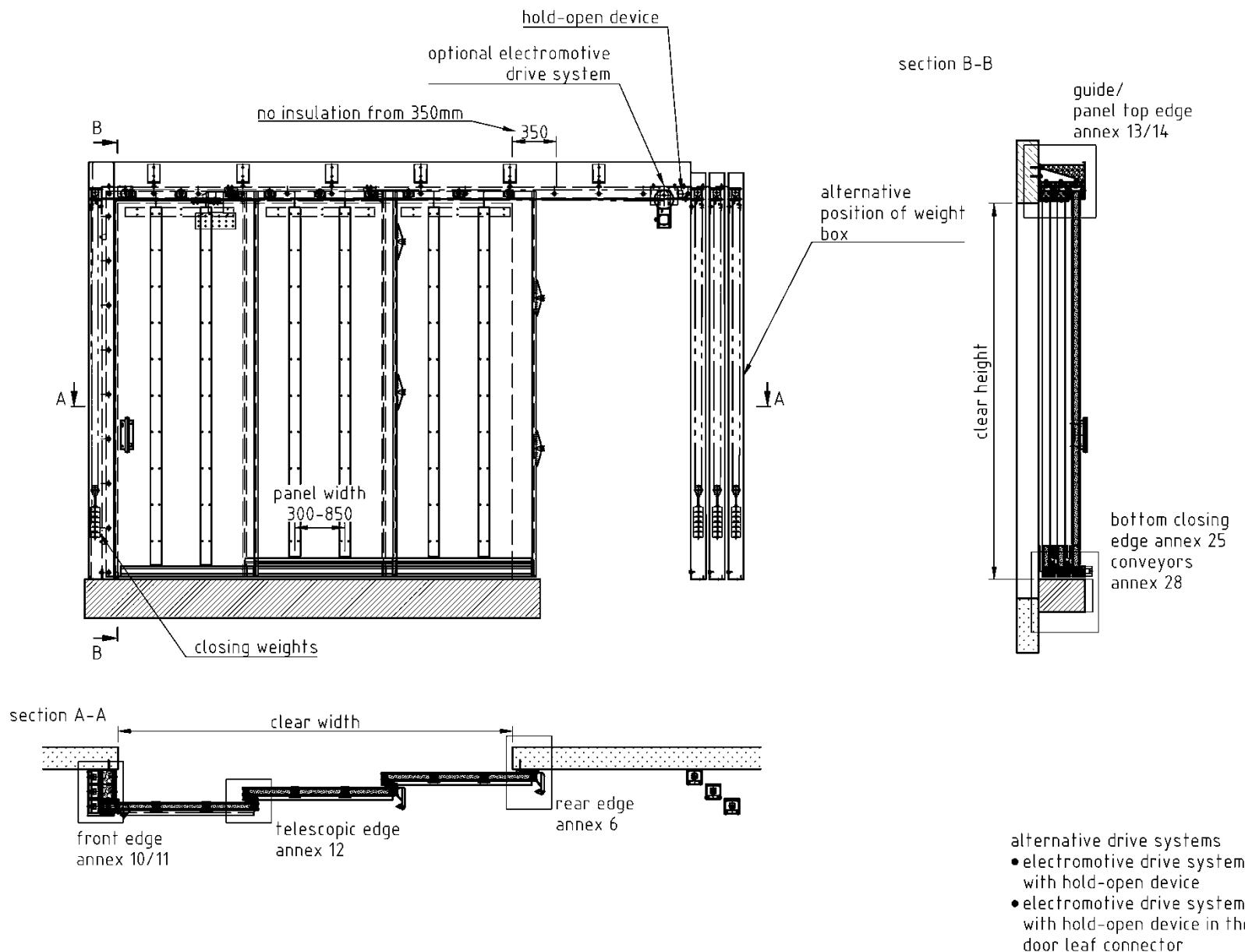
Schiebetor ORPHEUS-FAA

Hubtor APOLLO-FAA

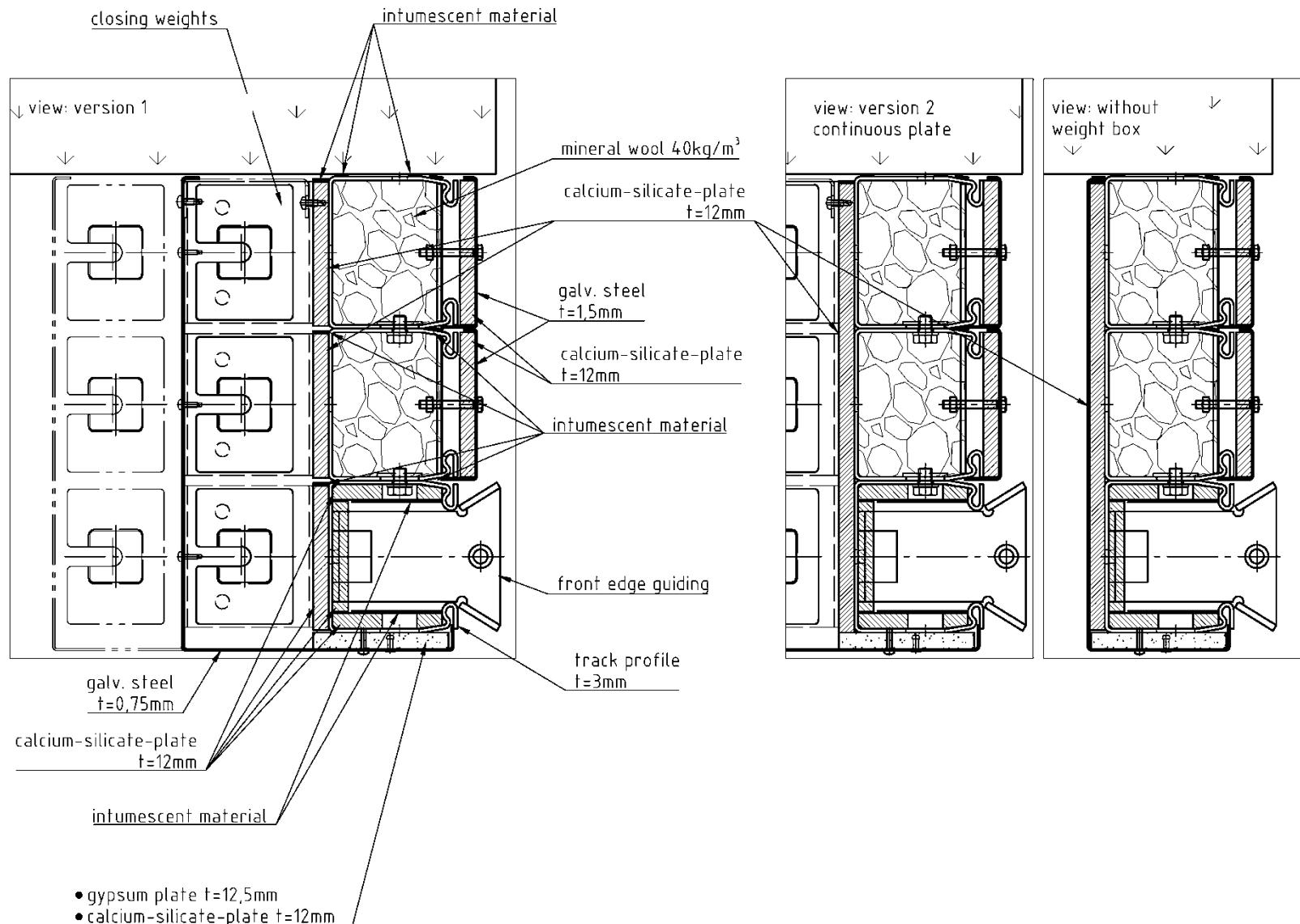
Sliding gate, single / double leaf, one element
Upper panel finish

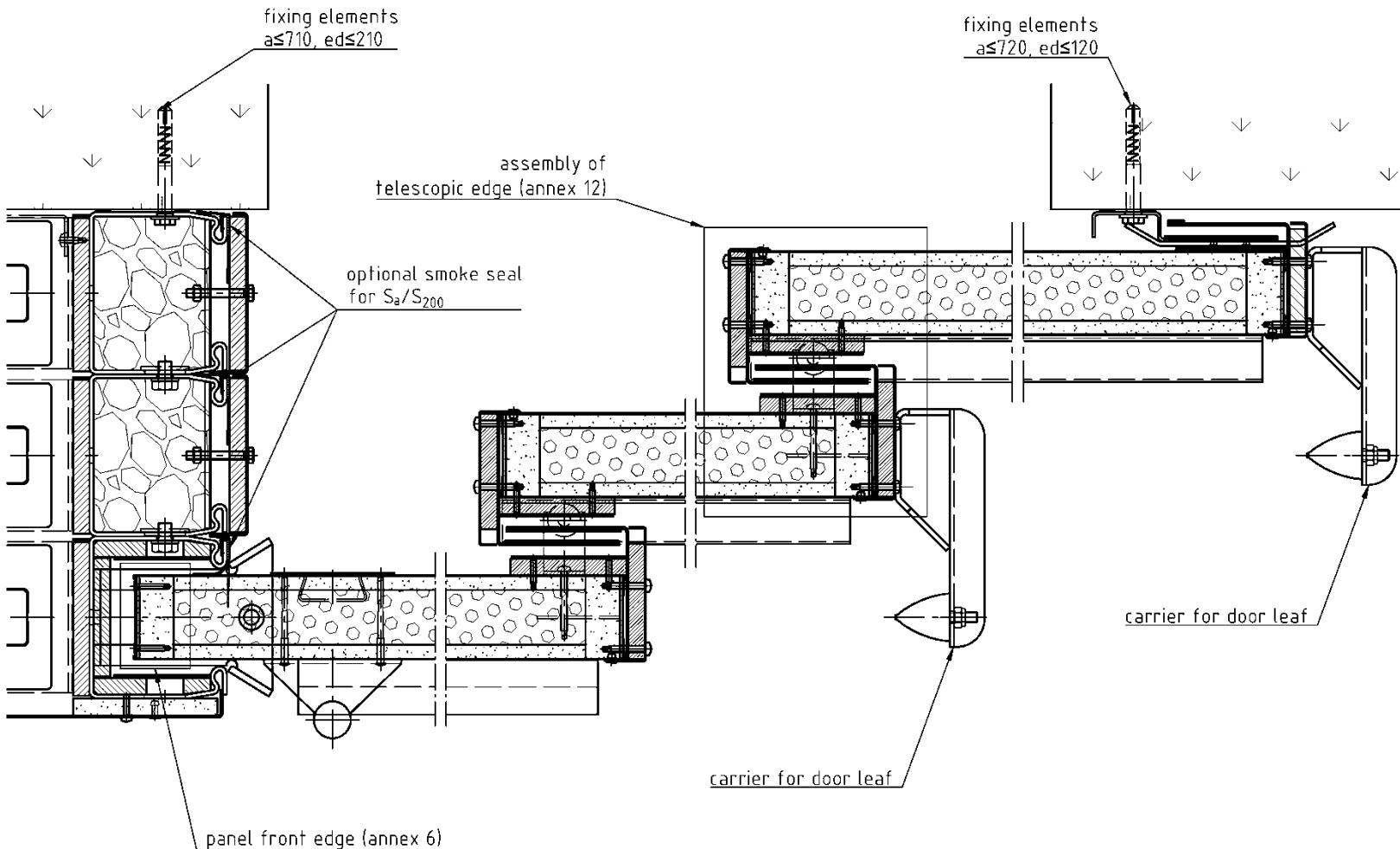
Z155598.24

Annex 8



Annex 9





Schiebetor ORPHEUS-FAA

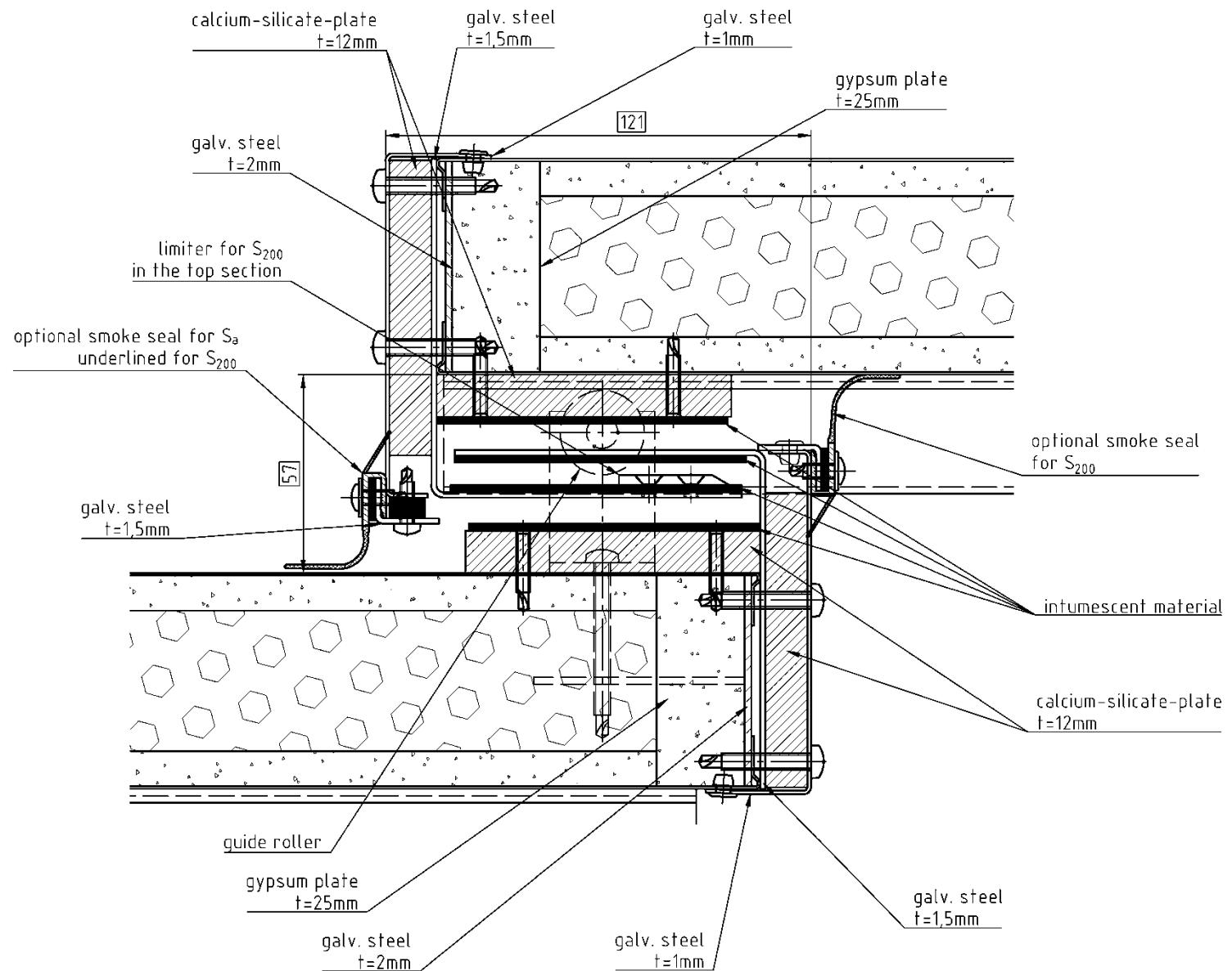
Hubtor APOLLO-FAA

Sliding gate, single leaf, double / triple telescopic – horizontal section A-A
Inlet (optional S_a / S₂₀₀) – connection of the telescopic elements – opposite inlet

Z155676.24

Annex 11

8.11.07-14/23



Schiebetor ORPHEUS-FAA

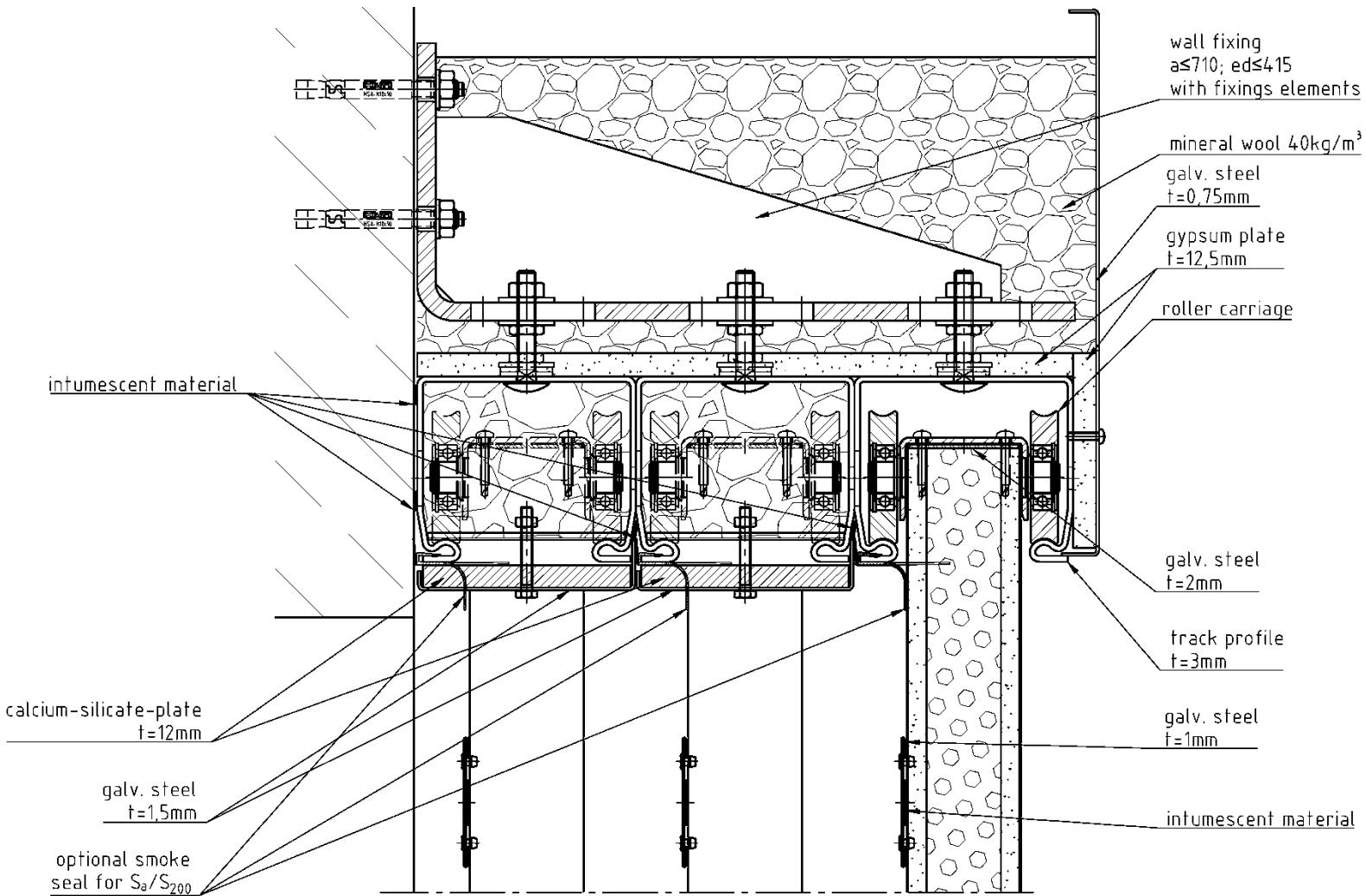
Hubtor APOLLO-FAA

Sliding gate, single / double leaf, double / Triple telescopic – horizontal section A-A
Detail connection of the elements (optional S_a / S_{200})

Z155775.24

Annex 12

8.11.07-14/23



Schieberstor ORPHEUS-FAA

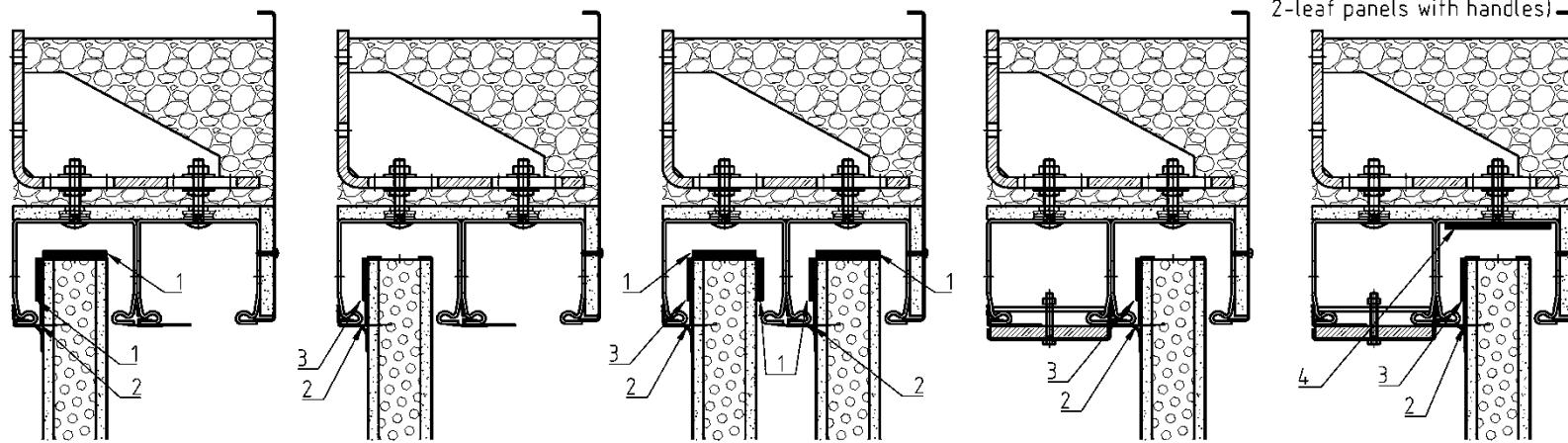
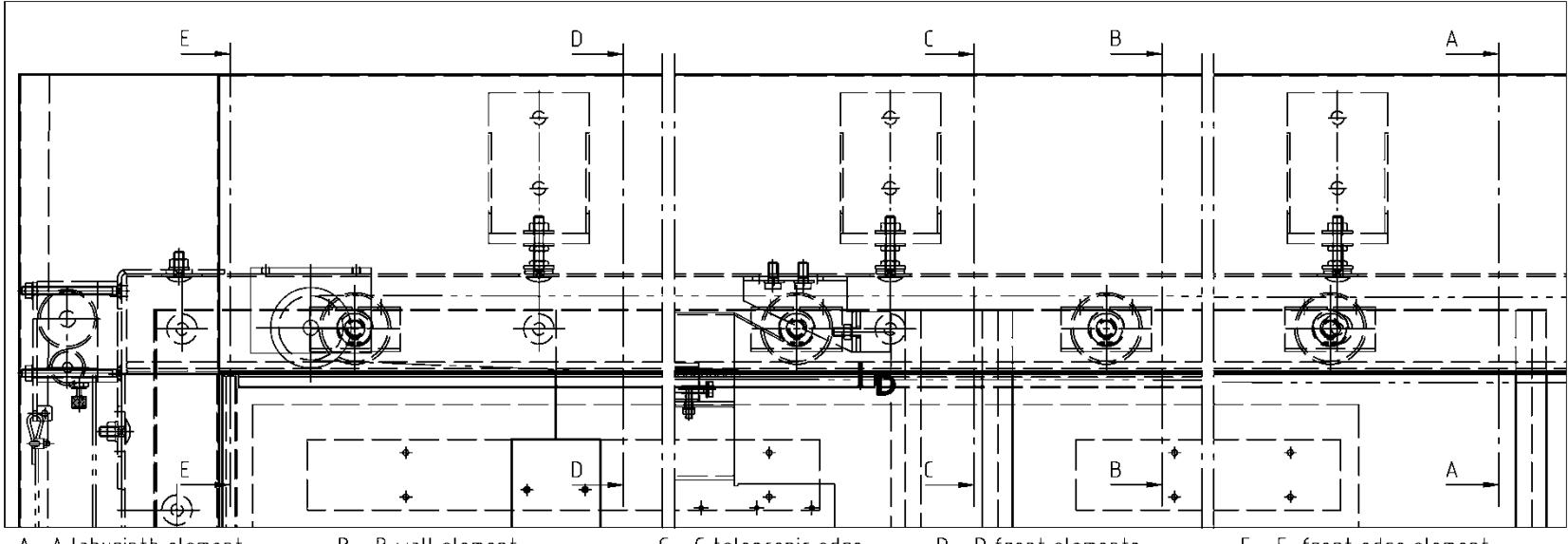
Hubtor APOLO-FAA

Sliding gate, single / double leaf, double / triple telescopic
Vertical section B-B – running rail (optional S_a / S_{200})

Z155790.24

Annex 13

8.11.07-14/23



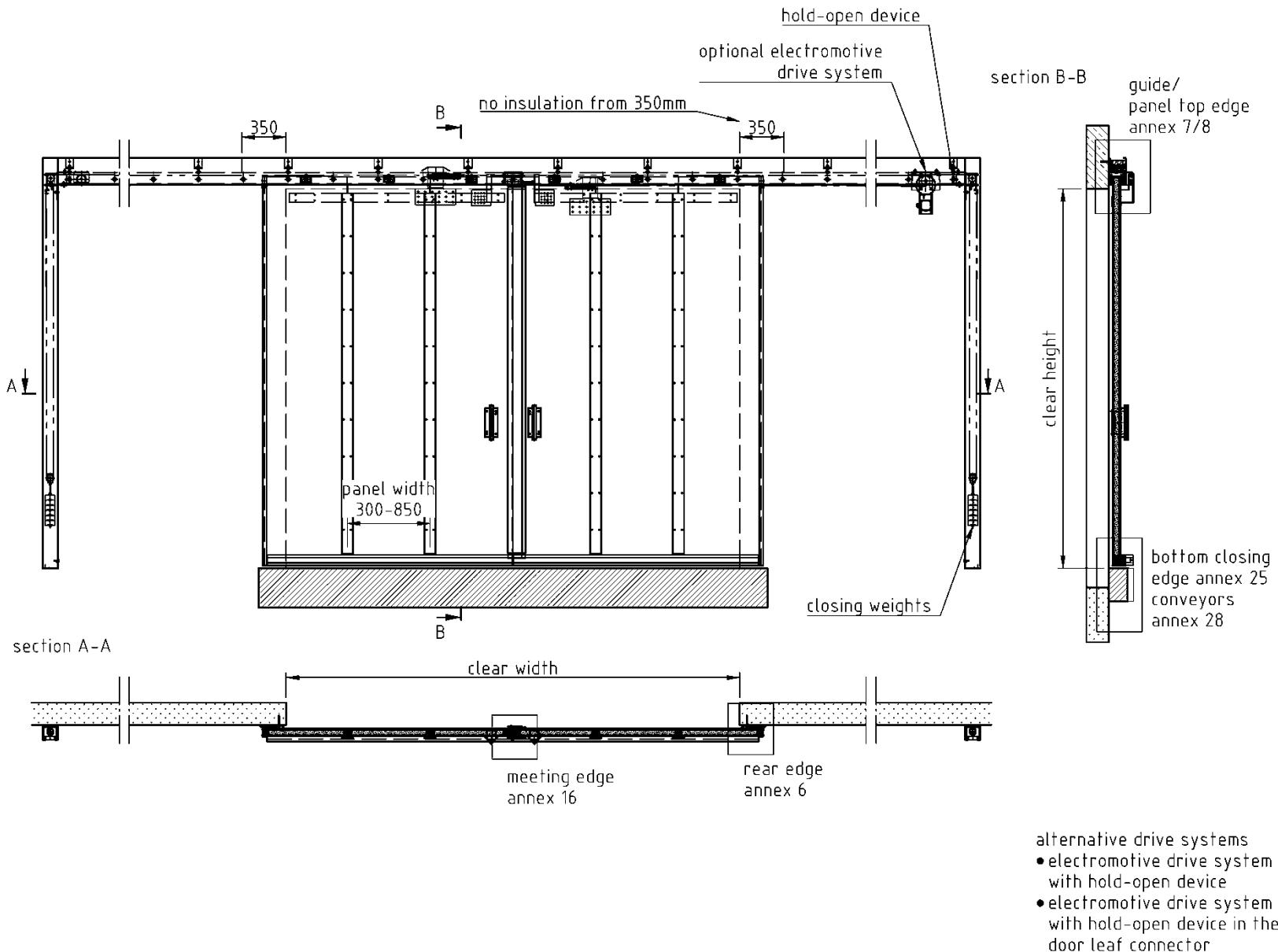
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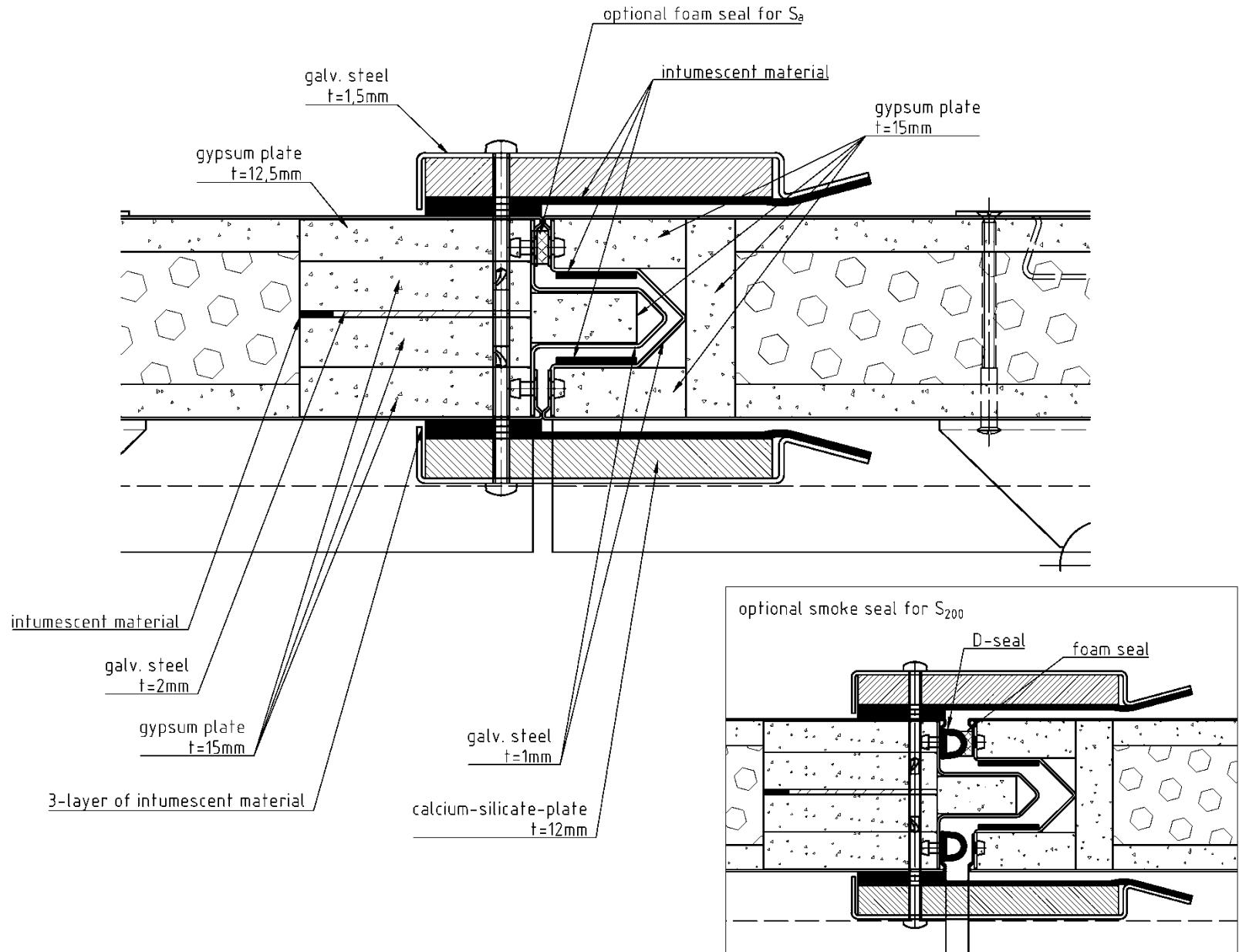
Hubtor APOLLO-FAA

Sliding gate, single / double leaf, single to triple telescopic
 Top edge of the panel

Z155796.24

Annex 14





Schiebetor ORPHEUS-FAA

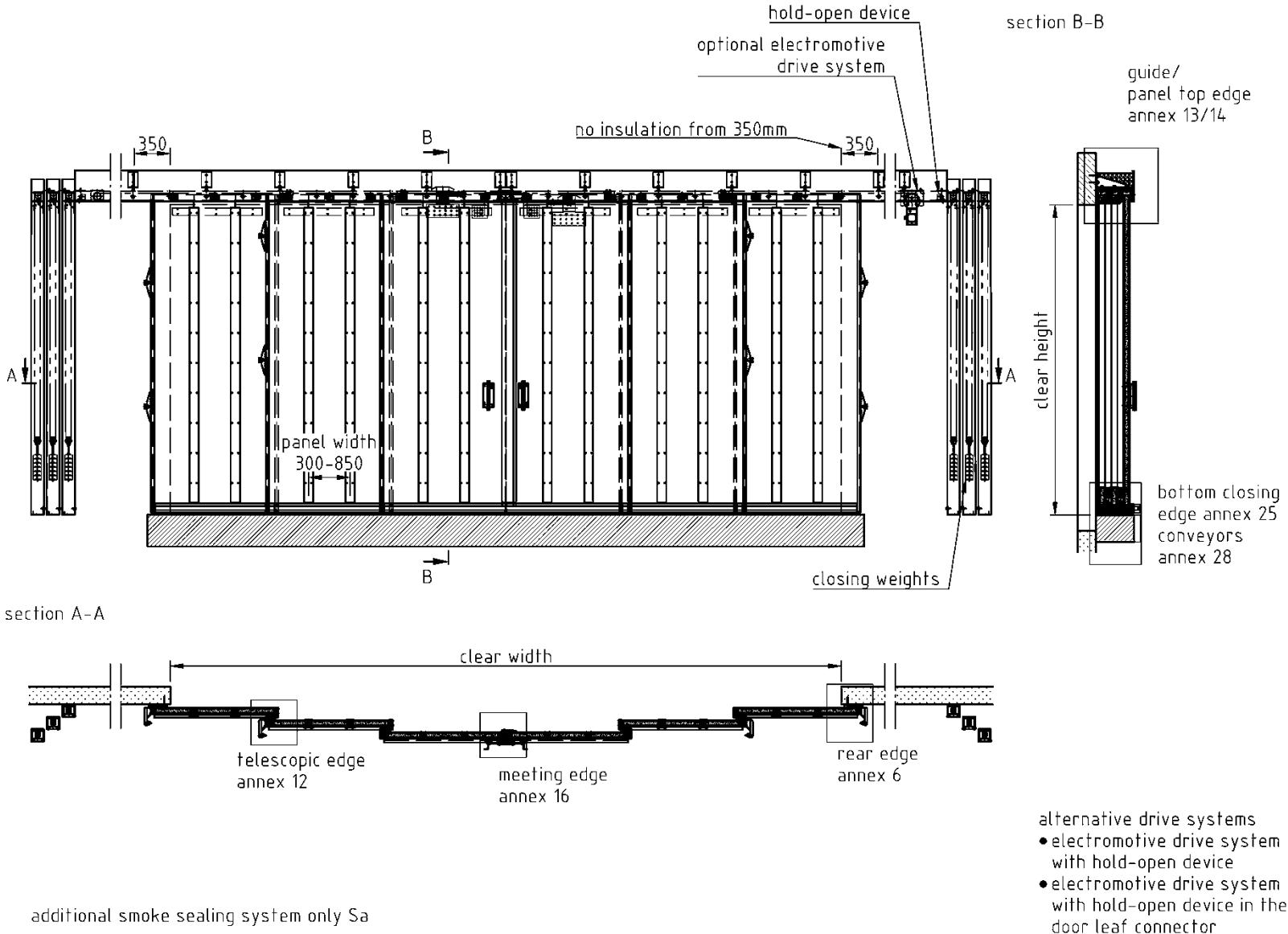
Hubtor APOLLO-FAA

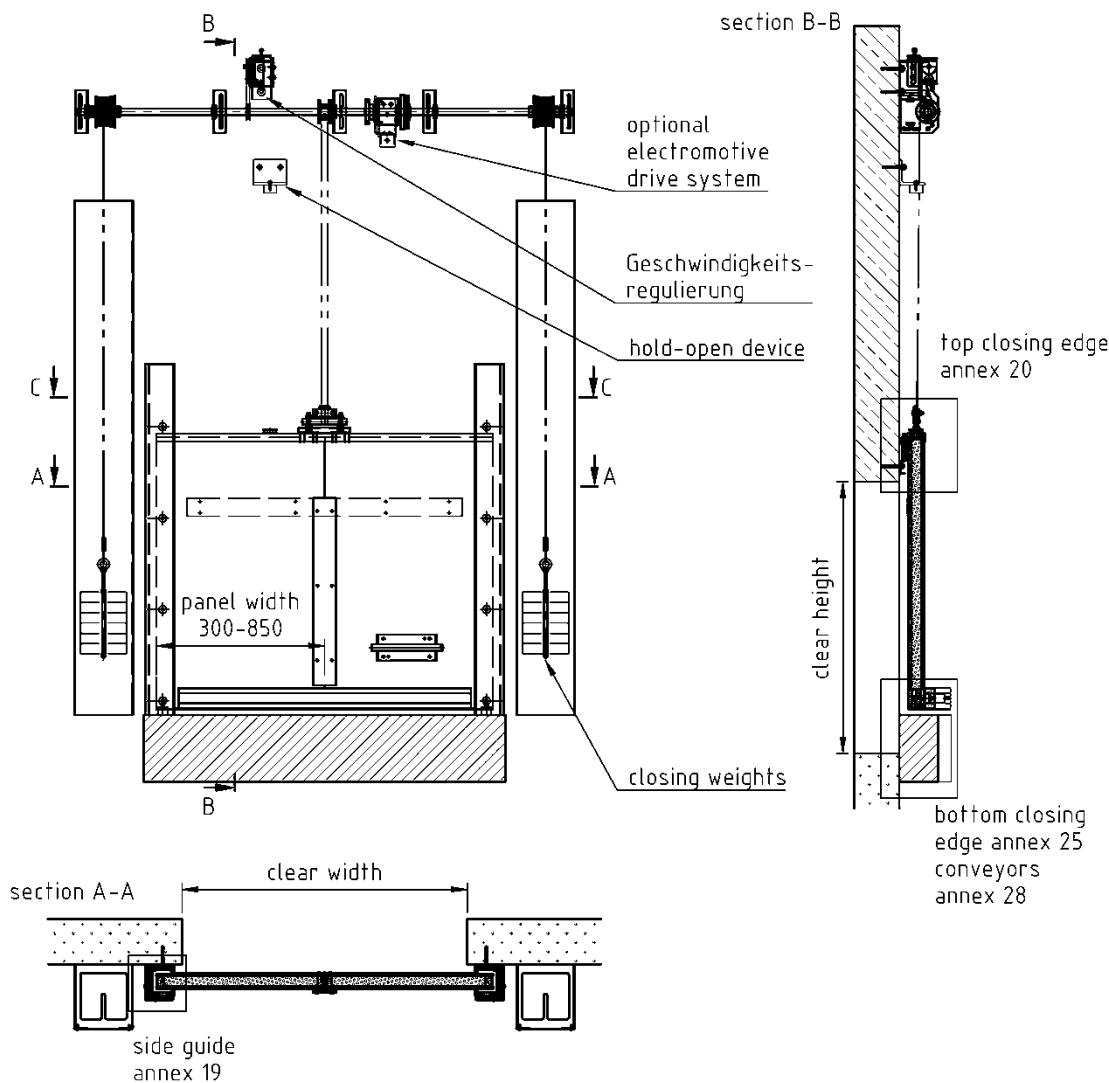
Sliding gate, double leaf, one to three telescopic elements
Horizontal section A-A – butt joint in the middle (optional S_a / S₂₀₀)

Z155889-24

Annex 16

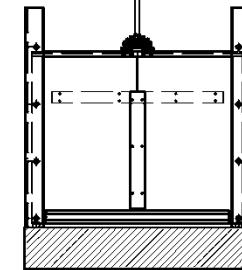
8.11.07-14/23



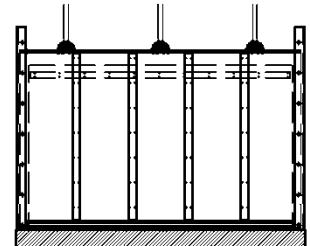


alternative drive systems
without closing weights

electromotive drive system
with hold-open device
and closing velocity control



electromotive drive system
with hold-open device
and closing velocity control

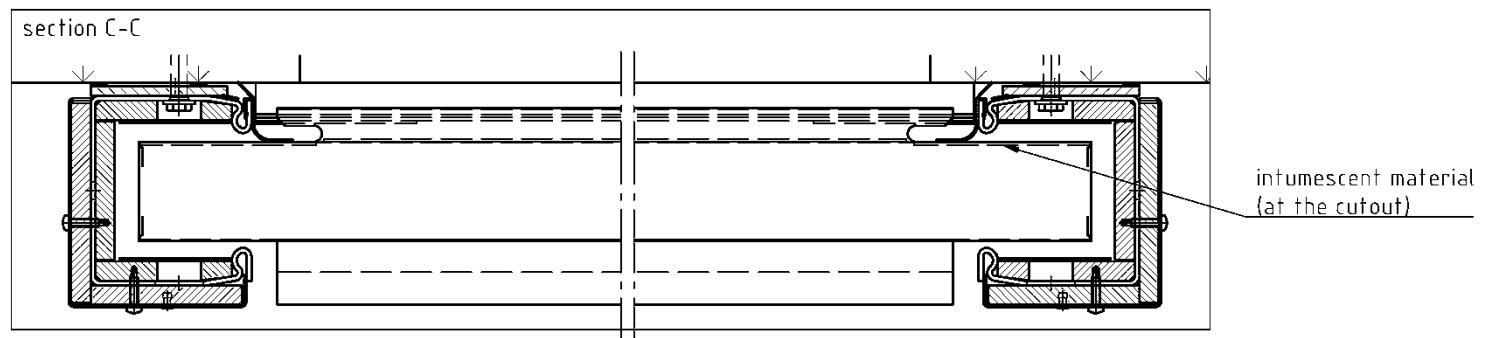
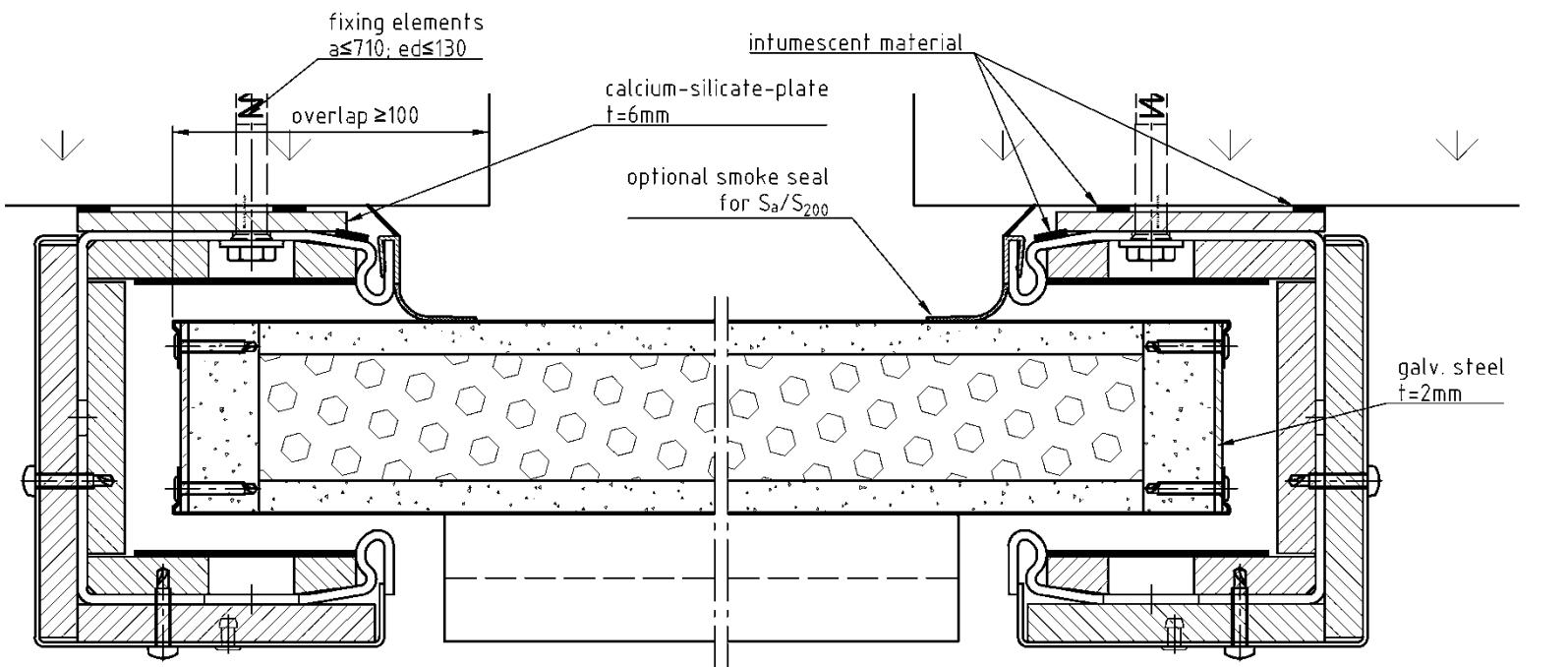


Schiebetor ORPHEUS-FAA
Hubtor APOLO-FAA
Lifting gate, single leaf, one element
Overview drawing

Z155897.24

Annex 18

8.11.07-14/23



Schiebetor ORPHEUS-FAA

Hubtor APOLLO-FAA

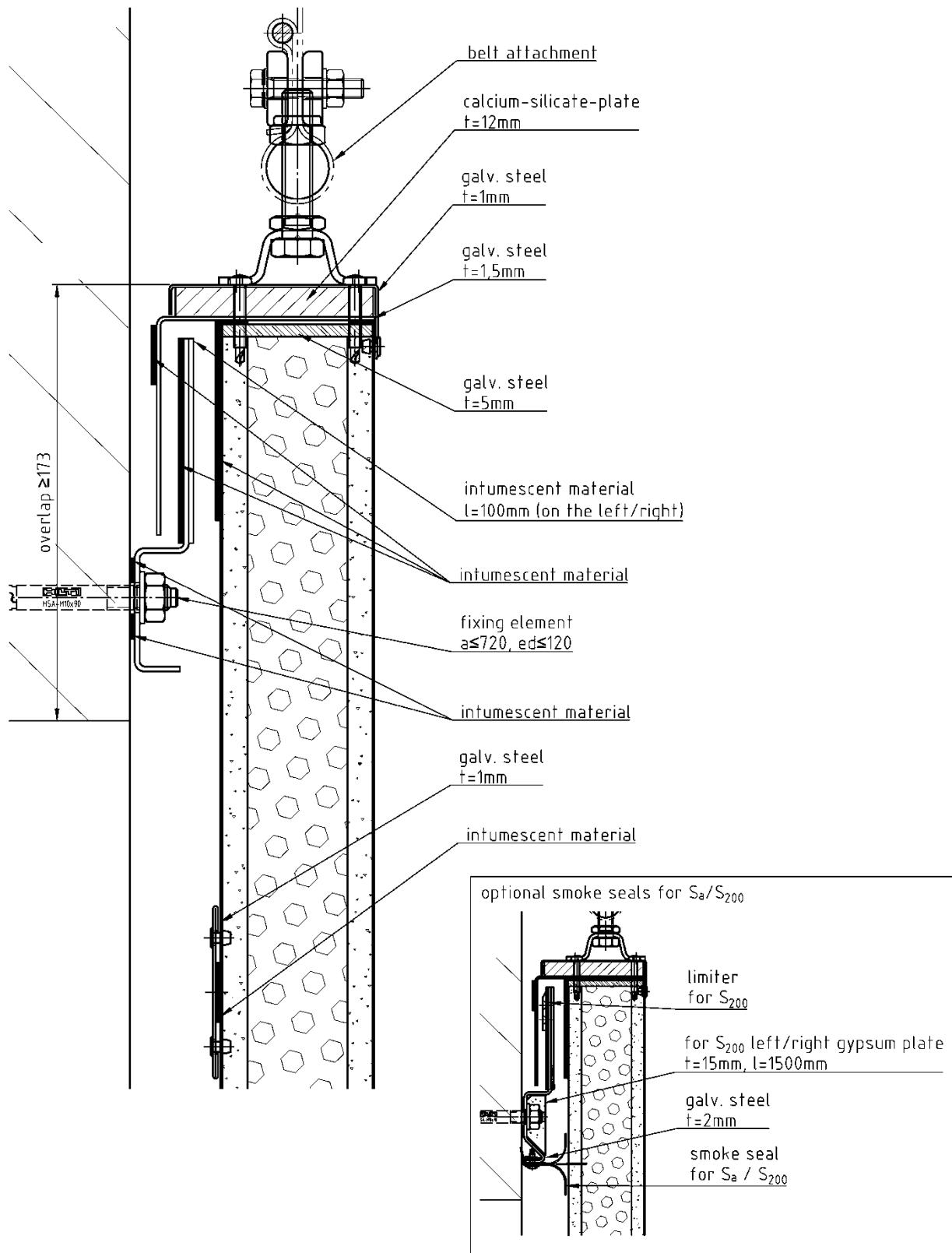
Lifting gate, single leaf, one element – horizontal section A-A
Guide rails (optional S_a / S₂₀₀)

Z155898.24

Annex 19

8.11.07-14/23

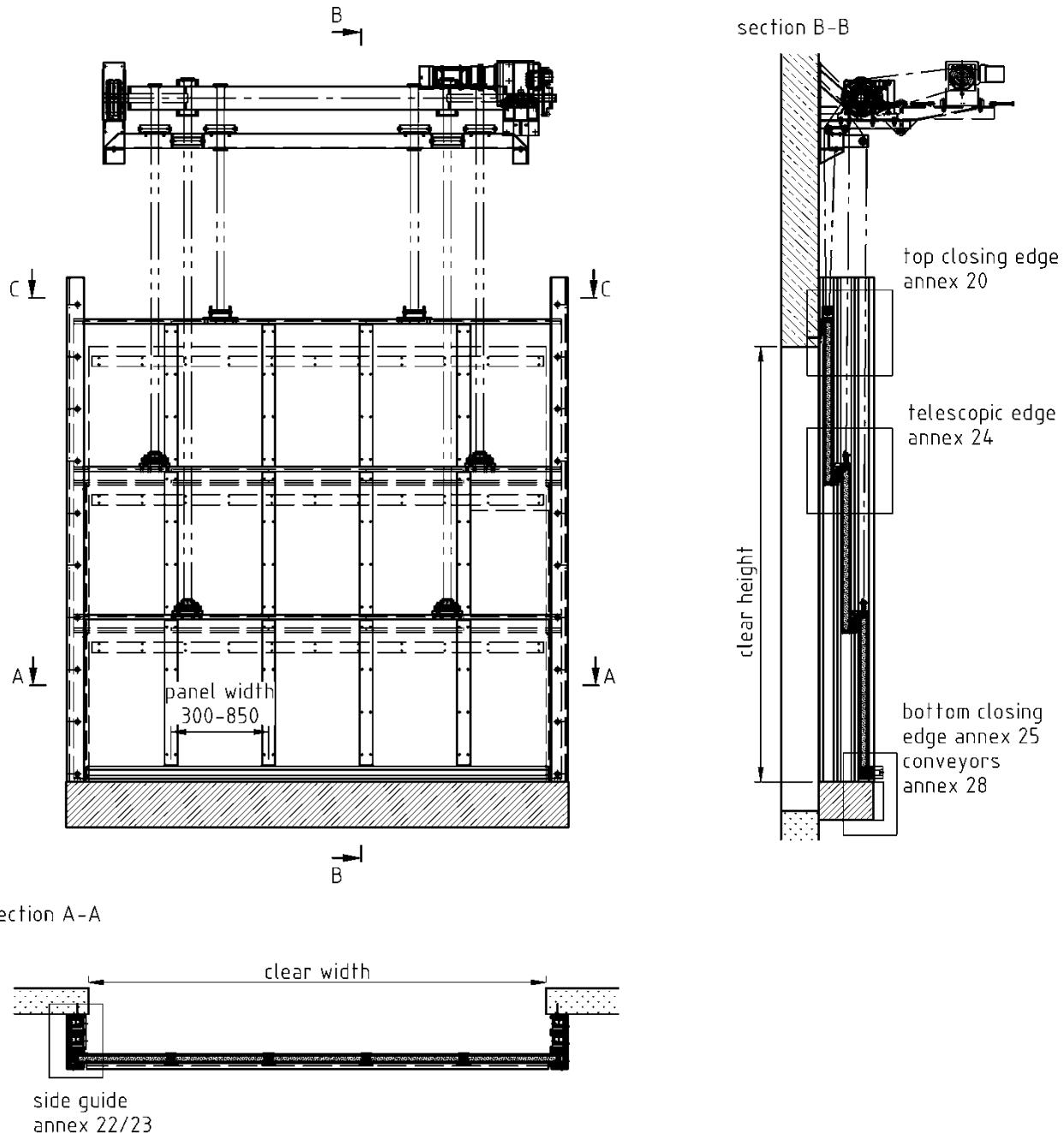
English translation prepared by DIBt



Schiebetor ORPHEUS-FAA
Hubtor APOLLO-FAA

Lifting gate, single leaf, one to three telescopic elements
Vertical section B-B – lintel (optional S_a / S_{200})

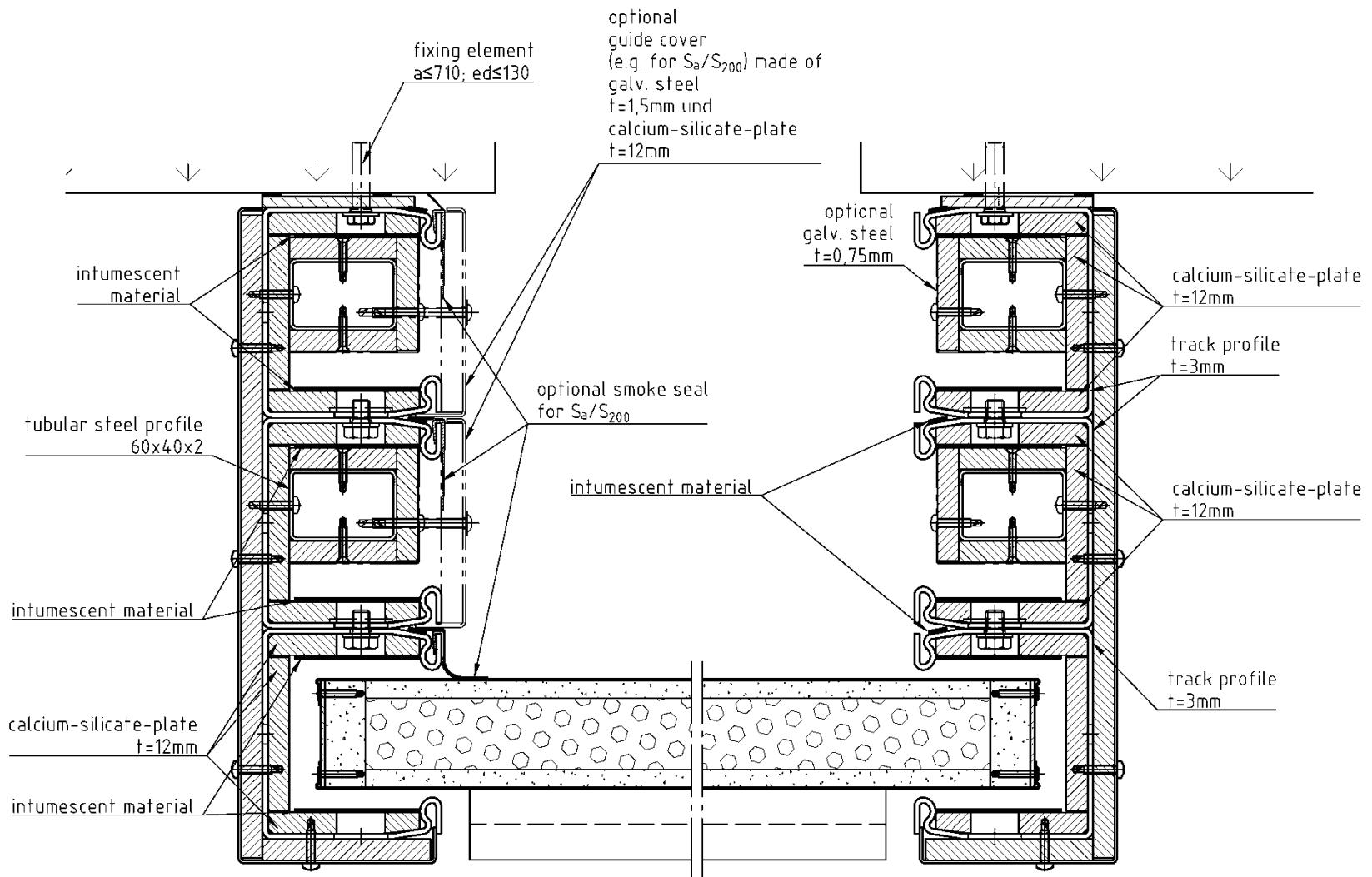
Annex 20



Schiebetor ORPHEUS-FAA
Hubtor APOLLO-FAA

Lifting gate, single leaf, double / triple telescopic
Overview drawing

Annex 21



note:
design of the side guides similar to the front edge of the 1-leaf multi-pcs. horizontal sliding doorset and 1-pcs. vertical sliding doorset
(annex 10/11/19)

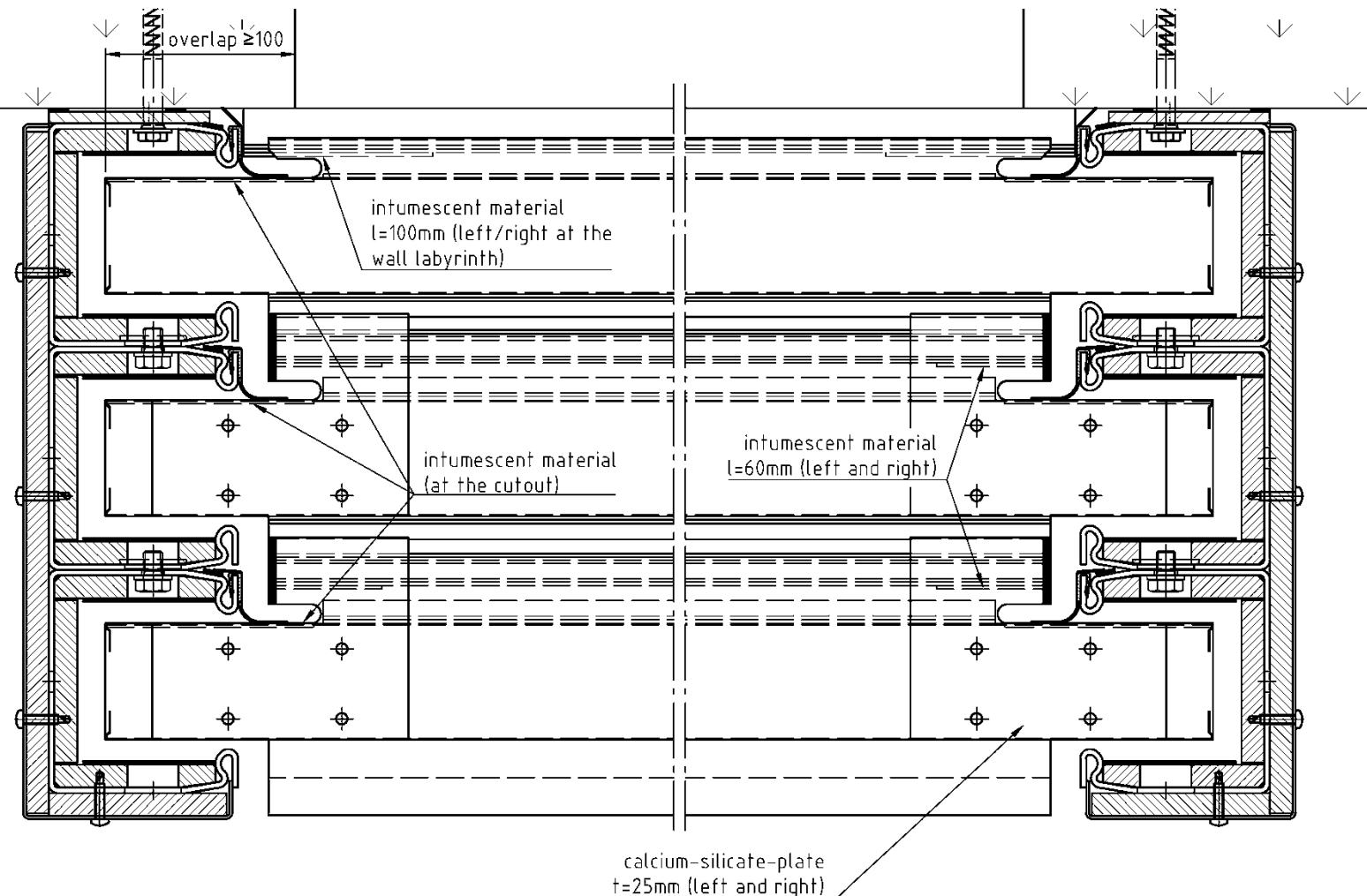
Schiebetor ORPHEUS-FAA

Hubtor APOLLO-FAA

Lifting gate, single leaf, double / triple telescopic
Horizontal section A-A – guidance (optional S_a / S_{200})

Z155906.24

Annex 22



Schiebetor ORPHEUS-FAA

Hubtor APOLLO-FAA

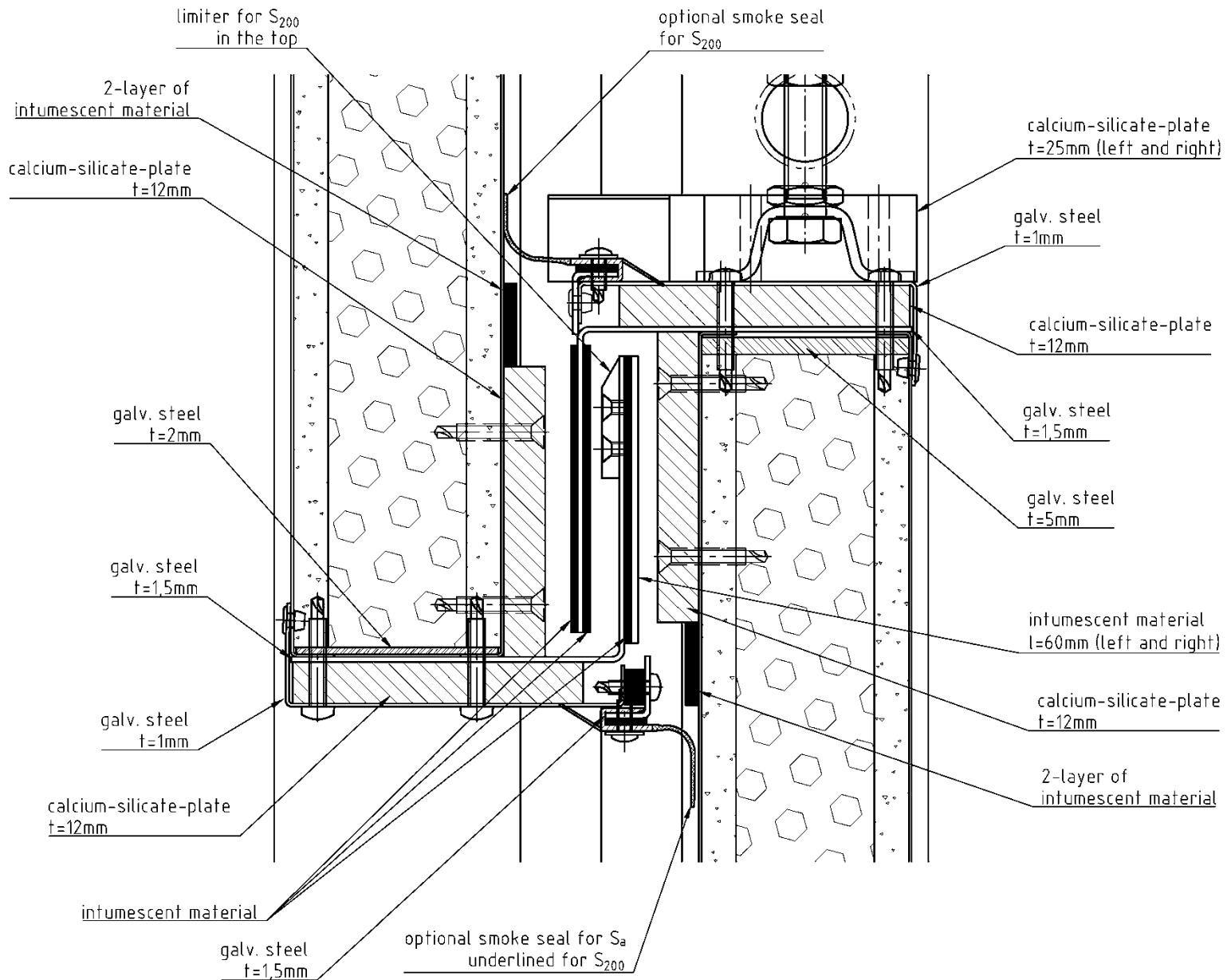
Lifting gate, single leaf, double / triple telescopic

Horizontal section C-C - guidance

Z155909.24

Annex 23

8.11.07-14/23



Schiebetor ORPHEUS-FAA

Hubtor APOLLO-FAA

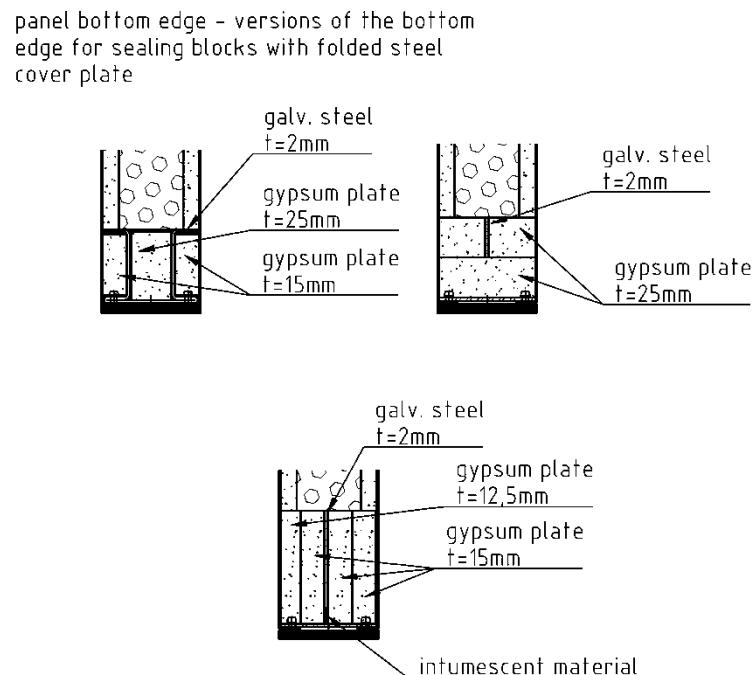
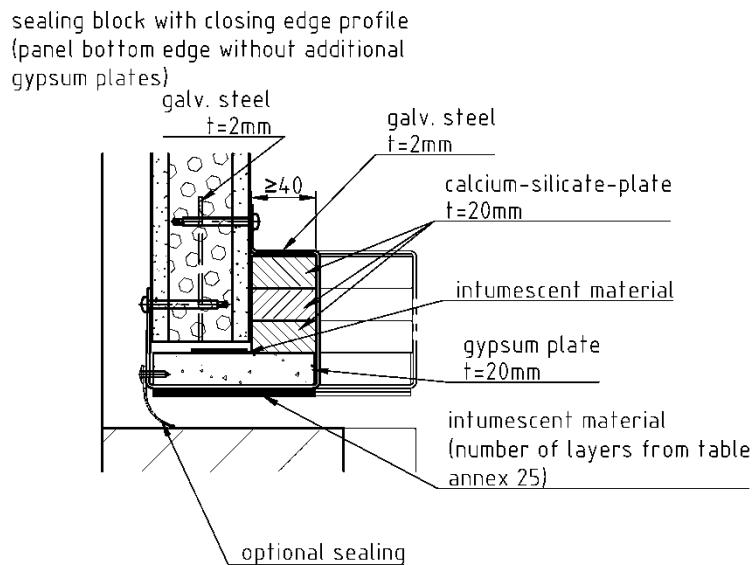
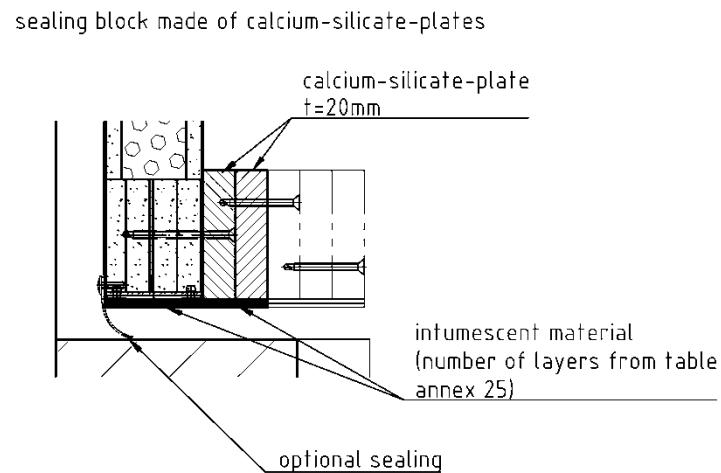
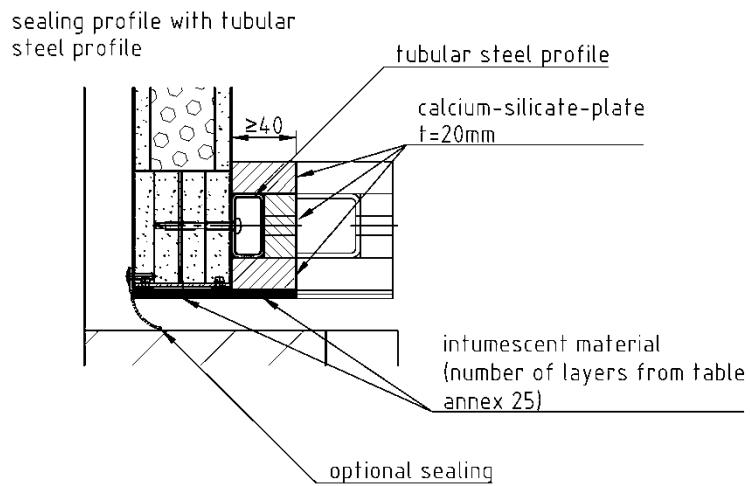
Lifting gate, single leaf, double / triple telescopic

Vertical section B-B – detail telescopic edge (optional Sa / S₂₀₀)

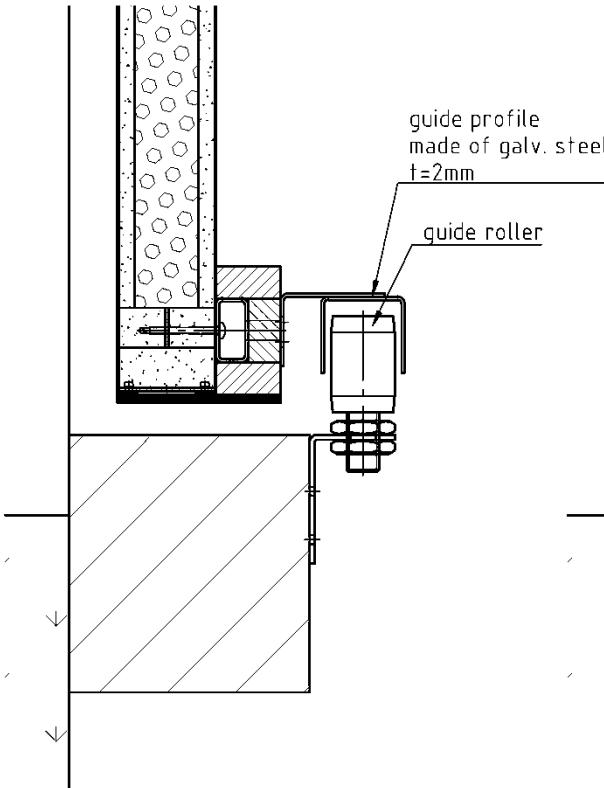
Z156029-24

Annex 24

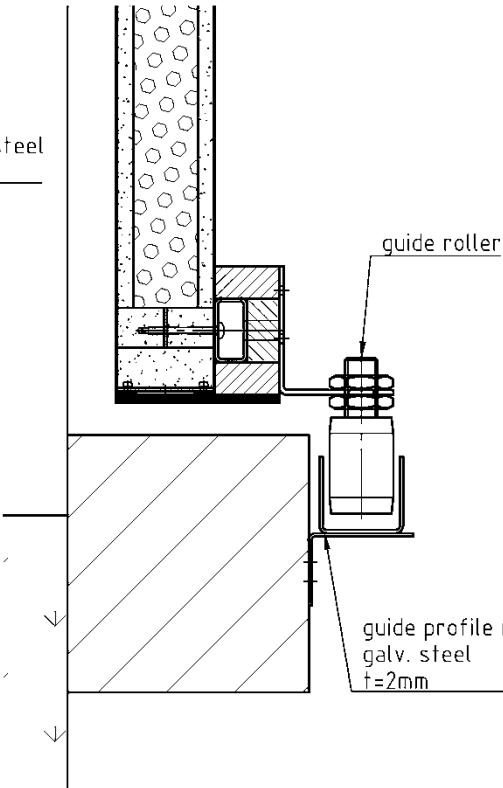
8.11.07-14/23



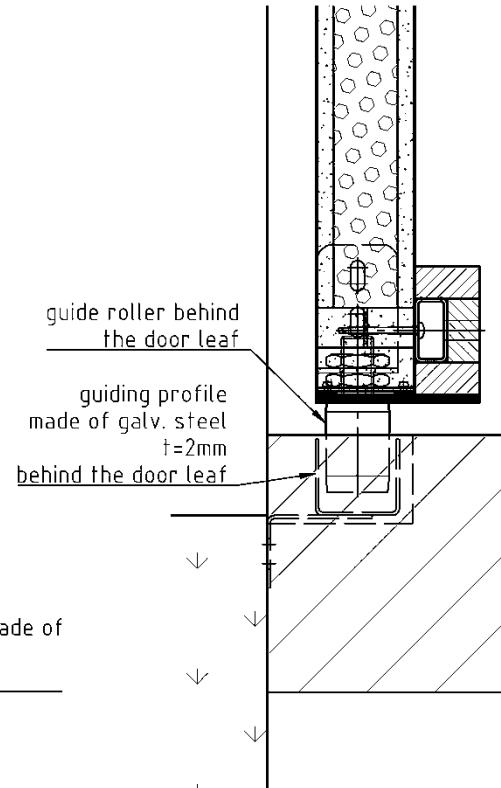
horizontal sliding doorset guiding with side guide profile at the door leaf



horizontal sliding doorset guiding with side guide roller at the door leaf



horizontal sliding doorset guiding with guiding roller behind the door leaf



Schiebetor ORPHEUS-FAA

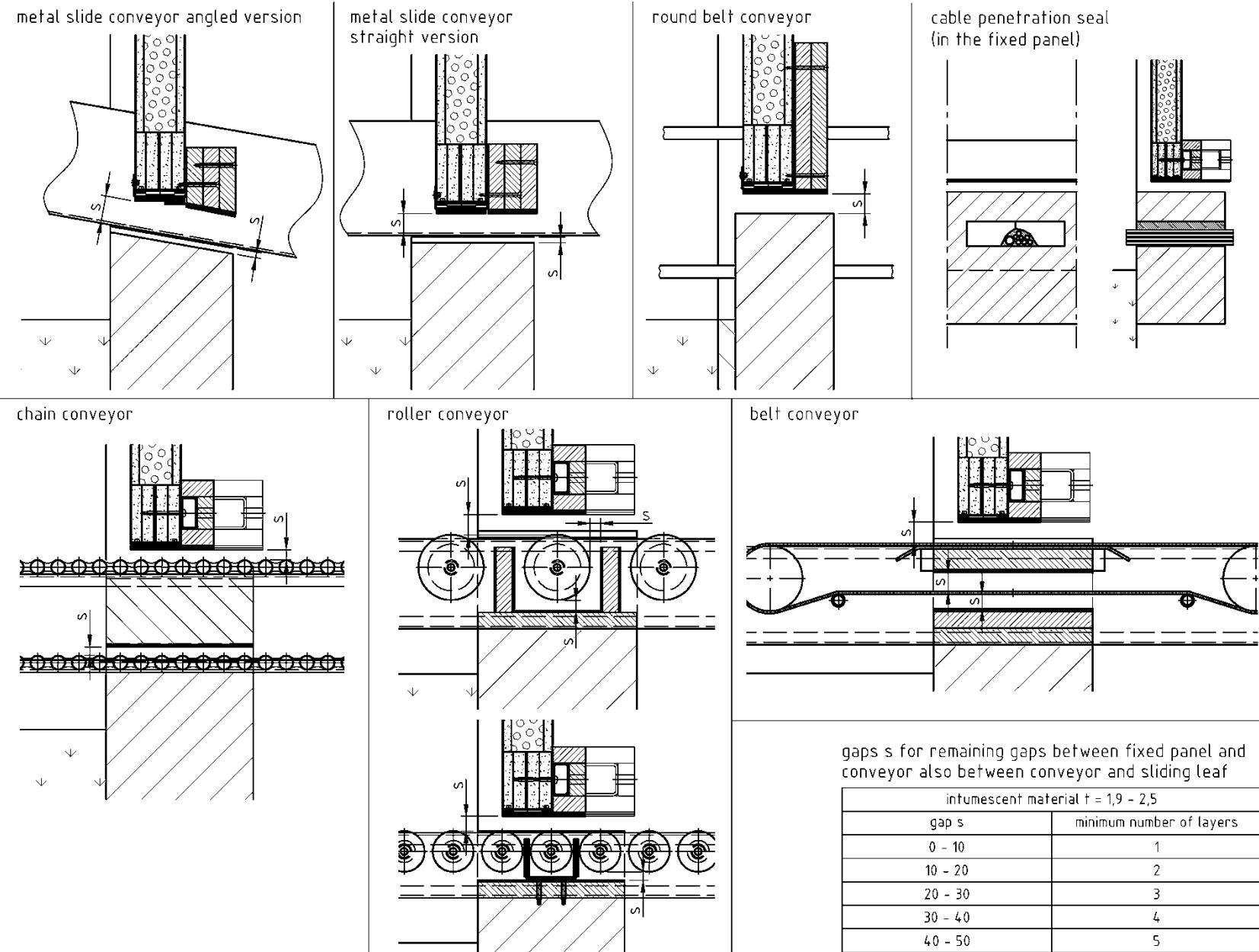
Hubtor APOLLO-FAA

Gate guide at the opposite side of the inlet

Z156528.24

Annex 27

8.11.07-14/23



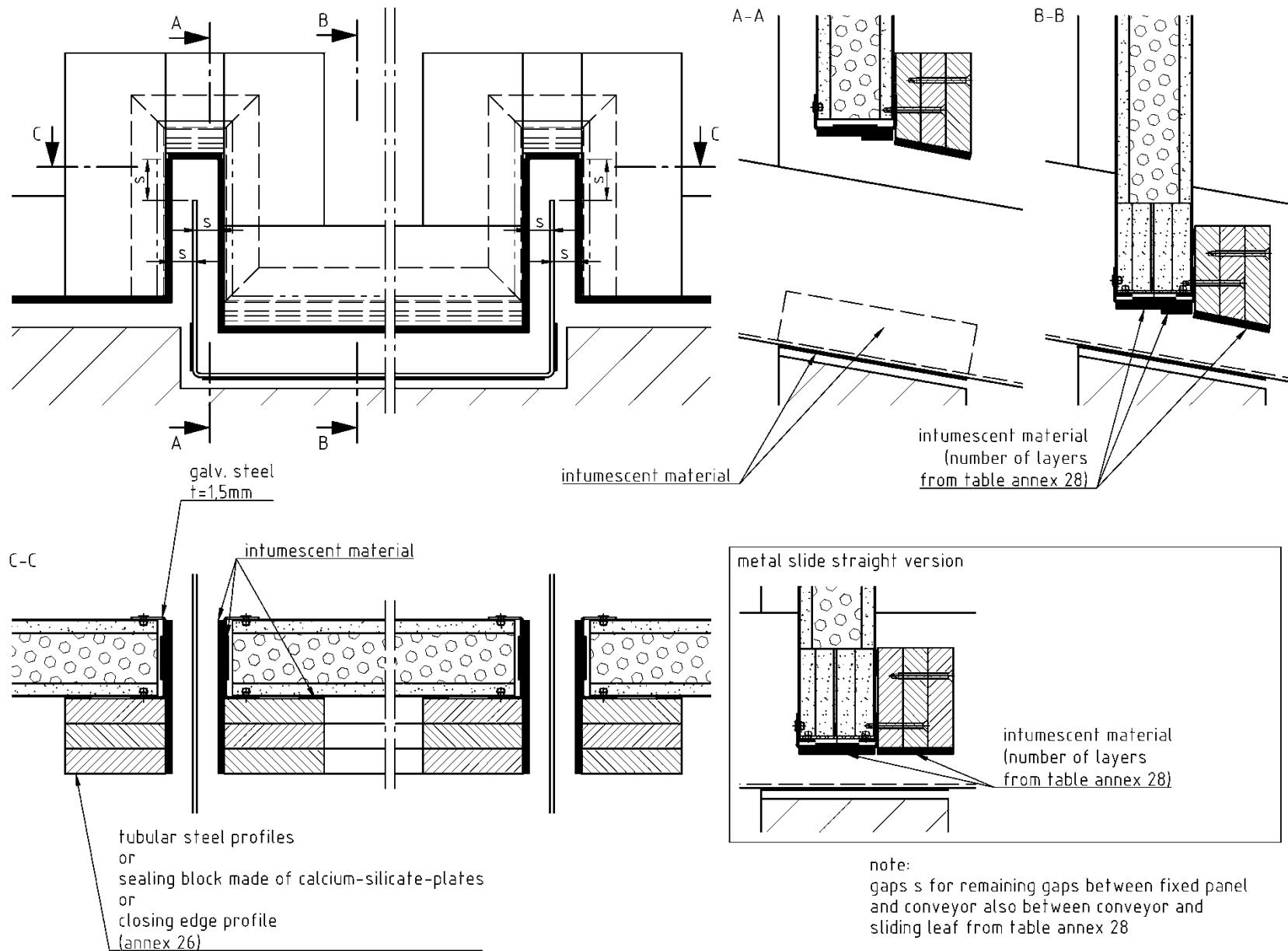
Schiebeator ORPHEUS-FAA

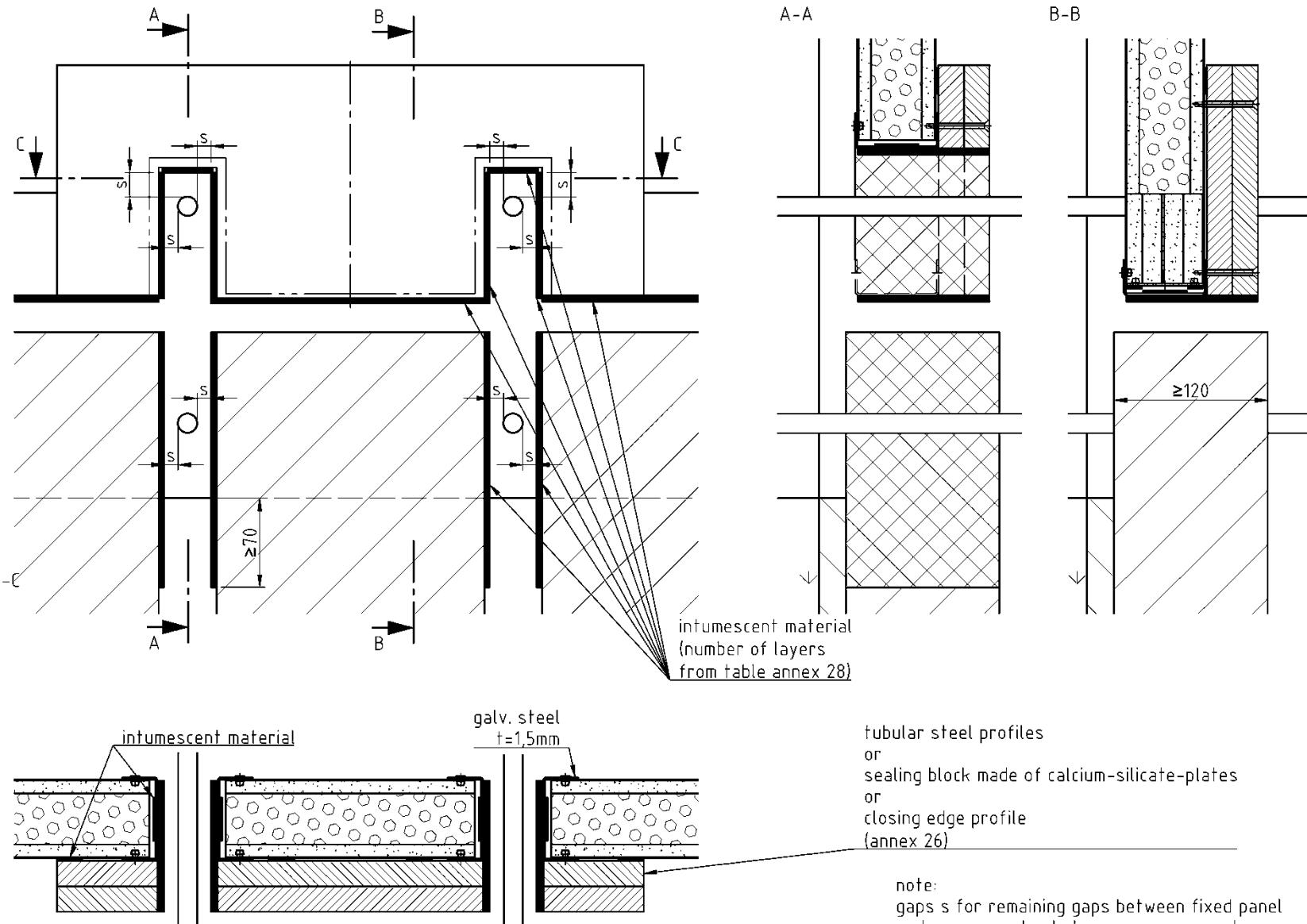
Hubtor APOLLO-FAA

Overview of the conveyor techniques

Z156536.24

Annex 28



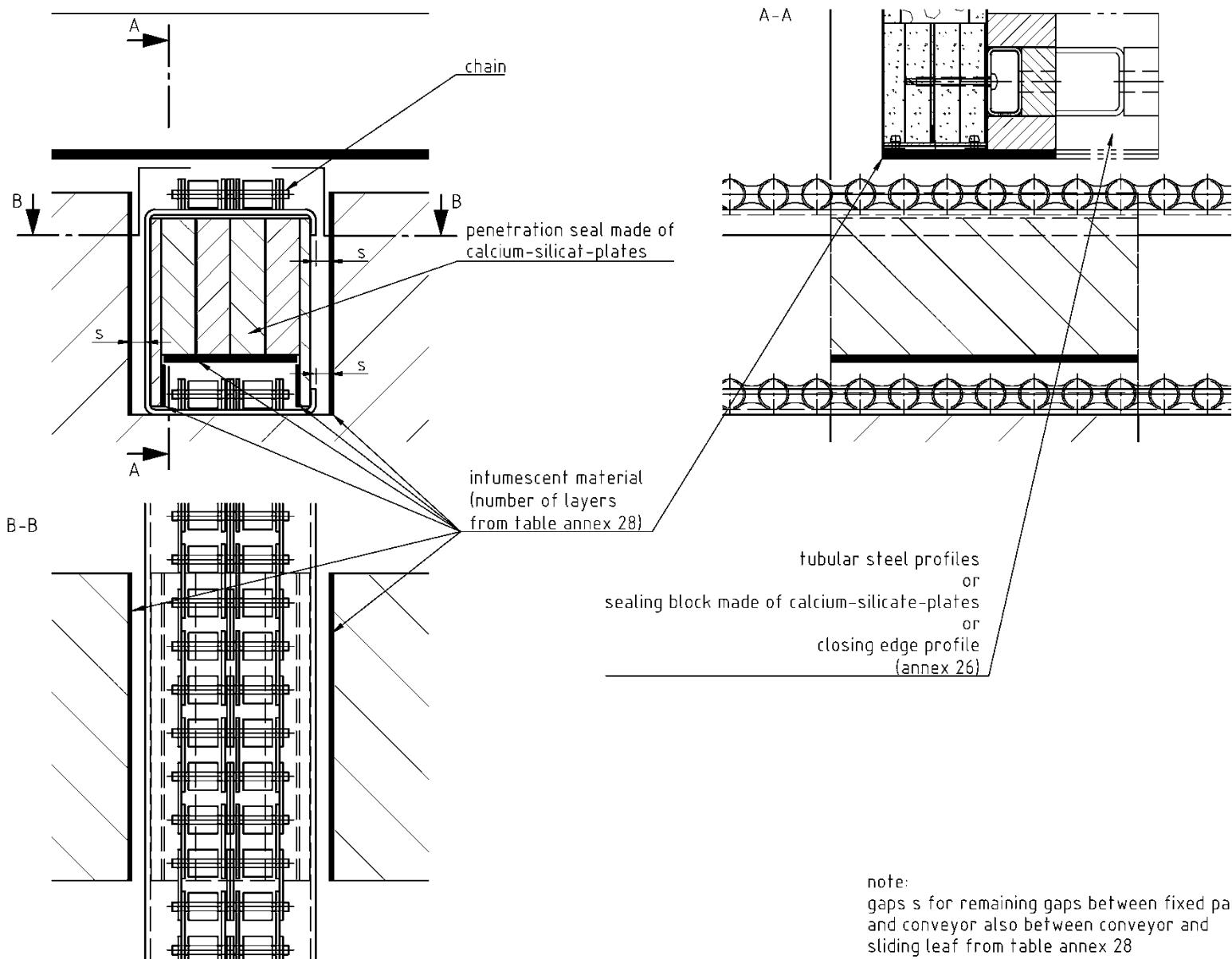


Schiebeitor ORPHEUS-FAA
Hubtor APOLLO-FAA

Round belt

Z156539-24

Annex 30



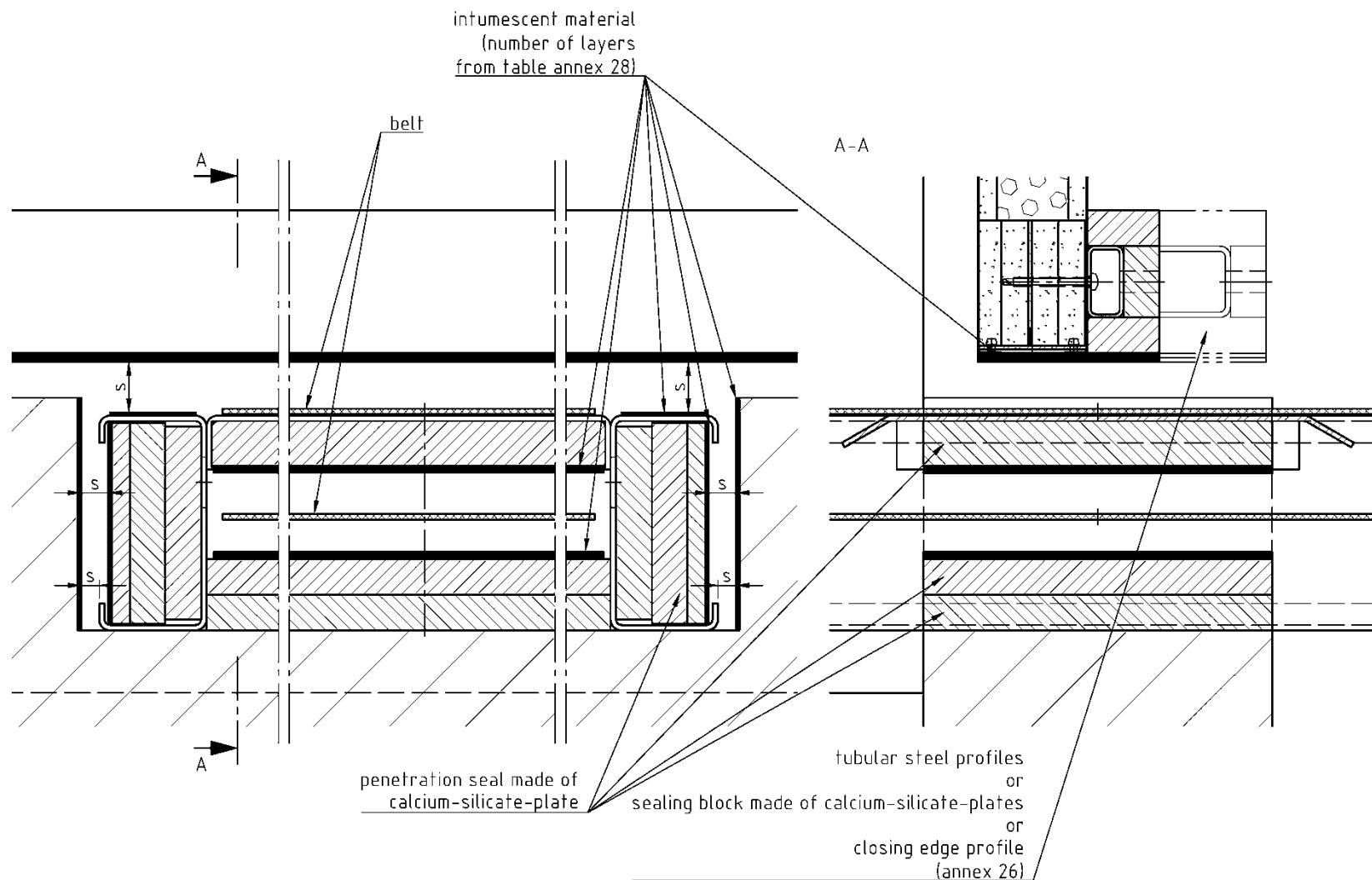
Schiebebetor ORPHEUS-FAA
Hubtor APOLLO-FAA

Chain conveyor

Z156540.24

Annex 31

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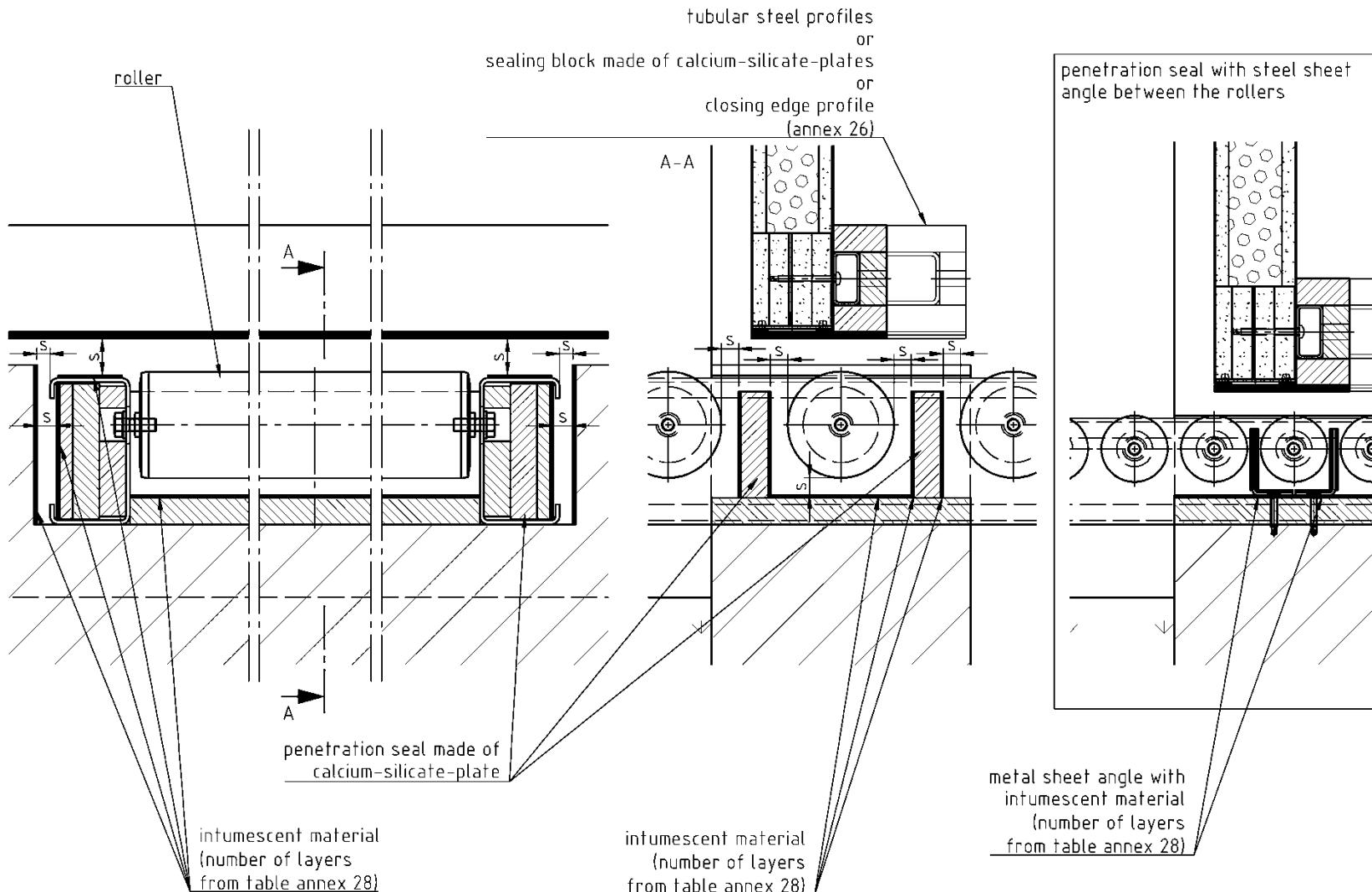


Schieberstor ORPHEUS-FAA
Hubtor APOLLO-FAA
Belt conveyor

Z156541.24

Annex 32

8.11.07-14/23



metal sheet angle with
intumescent material
(number of layers
from table annex 28)

note:
gaps s for remaining gaps between fixed panel
and conveyor also between conveyor and
sliding leaf from table annex 28

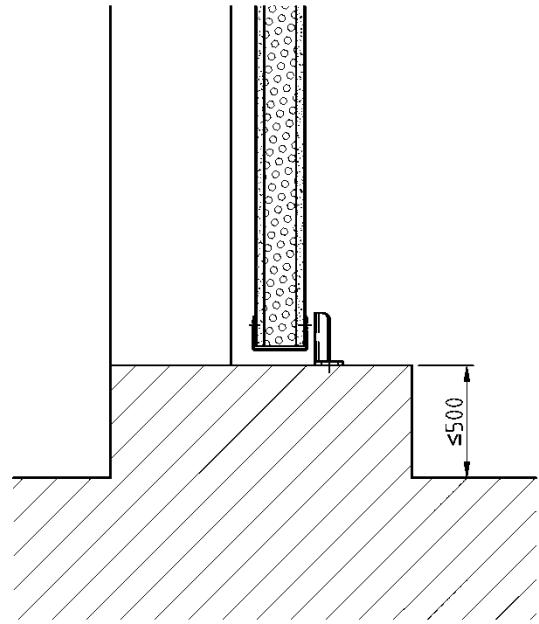
Schiebetor ORPHEUS-FAA
Hubtor APOLLO-FAA

Roller conveyor

Z156542.24

Annex 33

8.11.07-14/23



Schiebetor ORPHEUS-FAA
Hubtor APOLLO-FAA
Overview of the floor-close-off S_a/S₂₀₀ without raised installation position (≤ 500 mm)

