

structo

WALL
SYSTEMS



GLASS DOOR WITH
ALUMINUM DOOR FRAME
AND FRAMED OVERLIGHT

FITS PERFECTLY WITH A
FULL GLASS WALL

DECOR PROFILES CAN
CREATE CONTRASTING
LOOKS

PORTA – 53GS

Maximum external dimensions of the product (width x height):	990 x 3000 mm
Maximum external dimensions of the door frame without overlight (width x height): * with ALUSLIM-12 door panel	990 x 2650 mm*
Door panel glass thicknesses: * see Technical Description for detailed information	6 - 10,76 mm*
Soundproofing: * with ALUSLIM-12 door panel and 55.2SR glass	Rw = 38 dB*



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PORTA – 53GS

TECHNICAL DESCRIPTION



PORTA-53GS is a portal system made with aluminum profiles which can be completed with different door panels and glasses.

The symbol "GS" in the product name means a door frame with overlight and a glass door panel in an aluminum frame.

The portal can be completed with 4 different door panels (single or pair doors):

- The ALUSLIM-12 door panel has only a 12mm thick aluminum frame in which it is possible to use glass or other material with a thickness of 8 - 10.76 mm. Standard max opening angle of the door panel is 165°, but in case of electric locking it's reduced to 120°.

- GD-12 door panel is a full glass door without frame on 3 sides and with a profile only on the hinge side. The thickness of the glass of the door panel can be 8 - 8.76 mm.

- The third option is a full glass door without frame. The thickness of suitable glasses is 8-10.76mm.

- The fourth option is S-32 door leaf with 40x64 vertical aluminum profiles in which it is possible to use glass or other material with a thickness of 6 - 8.76 mm.

Possible types of glass are tempered, laminated or tempered-laminated.

The surface of the glass can be bright, very bright, mass-tinted, background-painted or matte.

In the overlight can be used a glass panel with a thickness of 6-17mm.

Aluminum decor profiles can be installed on the glass, which can give the door panel an exciting look.

The standard surface finish of aluminum profiles is natural (silver) anodizing but it is also possible to order a painted surface according to the RAL colour catalogue.

The standard fittings are:

- For ALUSLIM-12 door panel, ASSA 565 lock case (Valnes E114 for EURO cylinder) and STRUCTO PIVOT hidden hinges.

In case of electric locking standard fittings are lock case EL502, cable EA211 and lead cover EA280.

- For GD-12 door panel, STRUCTO PIVOT hidden hinges and COLCOM 683W02 lock case.

- For a full glass door panel, SH-S59-1 Silver hinges and COLCOM 683W02 lock case.

- For a S-32 door panel, Abloy 3248 hinges and Abloy LC305-30 lock case.

It's possible to use other fittings, but please contact our sales team about compatibility.

The range of thresholds includes an aluminum profile threshold with a silicone seal or a descending seal.

Openable side section ELZONE-92A can be installed on one or both sides of PORTA-53GS, which is ideal for connectors, switches, cabling, etc. Minimum width of the side section when installing electrical accessories is 140mm. More information about side sections under the product "ELZONE-92A".

Soundproofing measured in laboratory (Rw) with ALUSLIM-12 door panel:

Rw = 31 dB

(with 8mm glass and aluminum threshold)

Rw = 33 dB

(with 10mm glass and aluminum threshold)

Rw = 38 dB

(with 55.2SR glass and aluminum threshold)

Rw = 38 dB

(with 55.2SR glass and descending threshold)

Maximum external dimensions of the product (width x height): **990 x 3000 mm**

Maximum external dimensions of the door frame without overlight (width x height):

With ALUSLIM- 12 door panel **990 x 2650 mm**

With GD- 12 door panel **990 x 2400 mm**
* With glasses 8 - 8,76mm.

With full glass door panel **990 x 2400 mm**

With S-32 door panel **1000 x 2400 mm**



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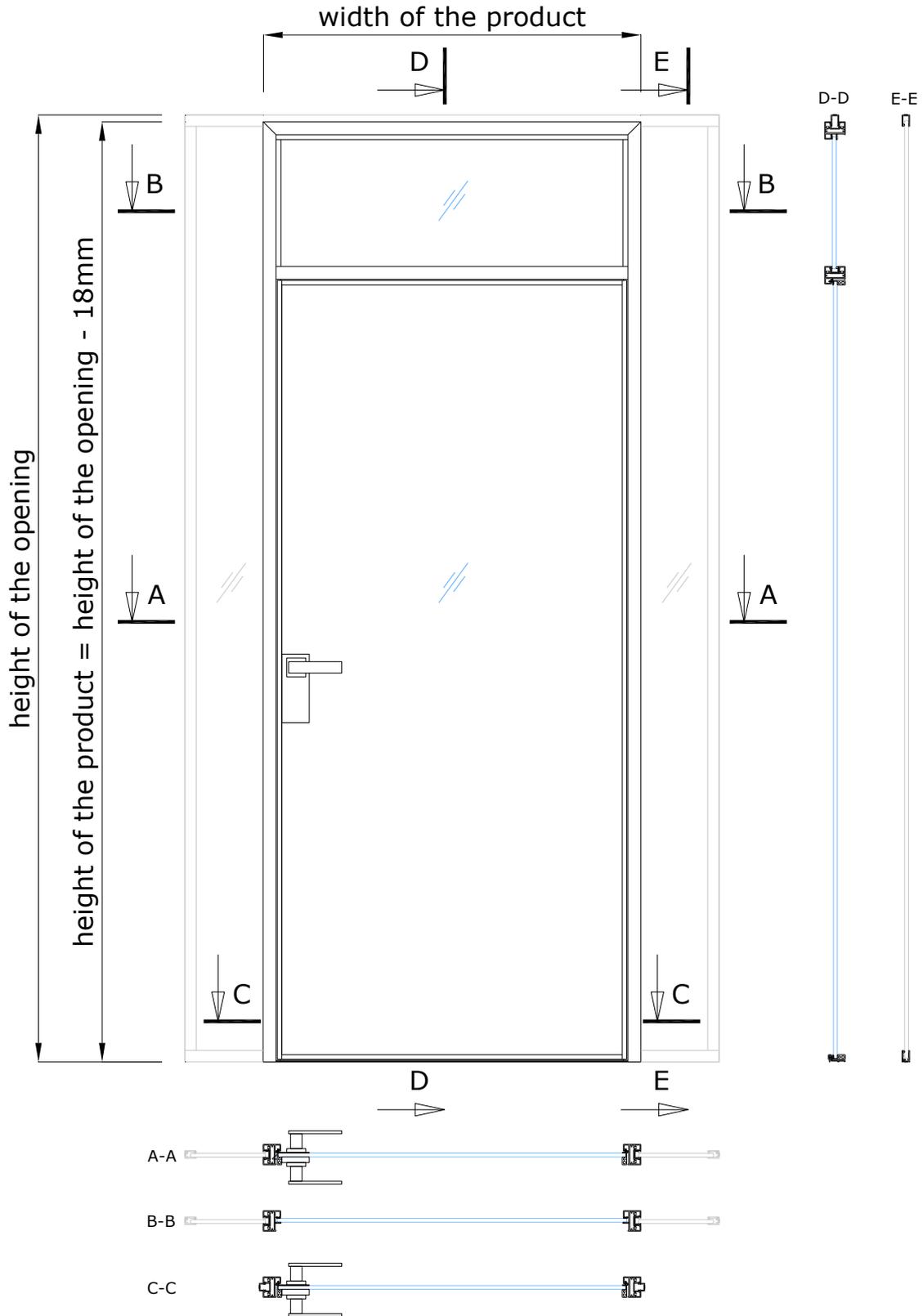
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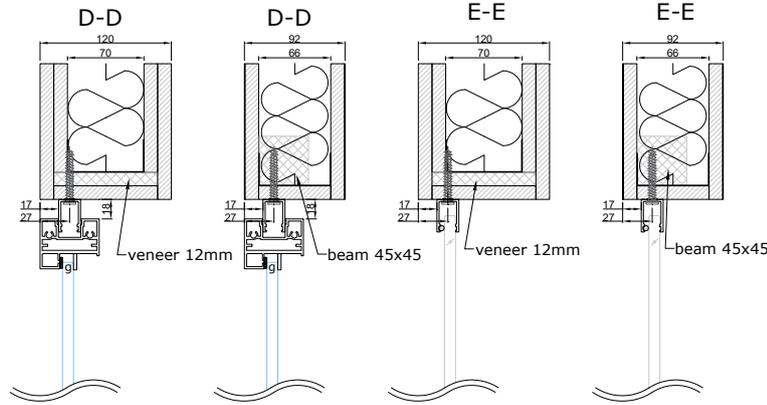
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PORTA-53GS

WITH INWARDS OPENING
ALUSLIM-12 DOOR PANEL

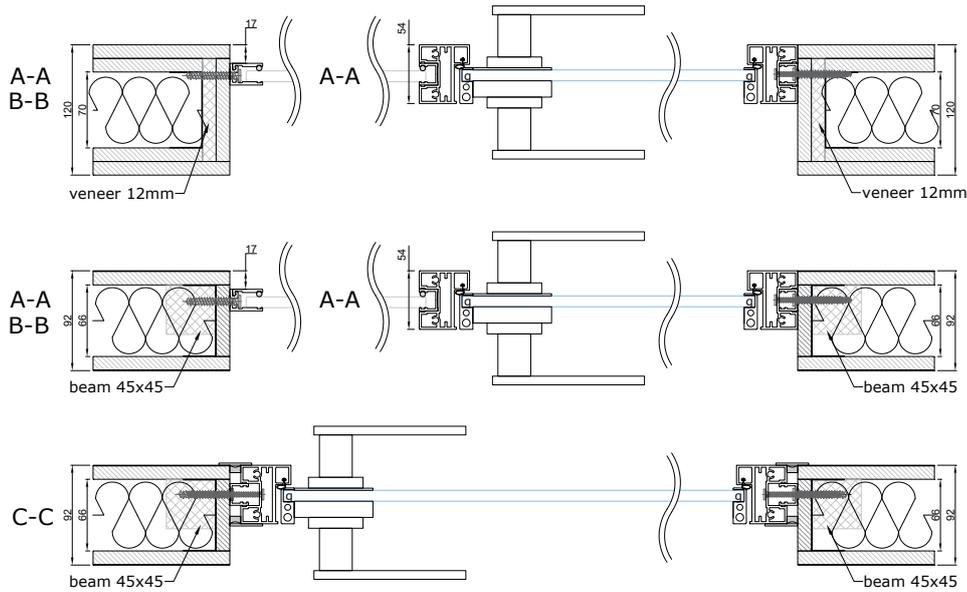


CONNECTION WITH CEILING

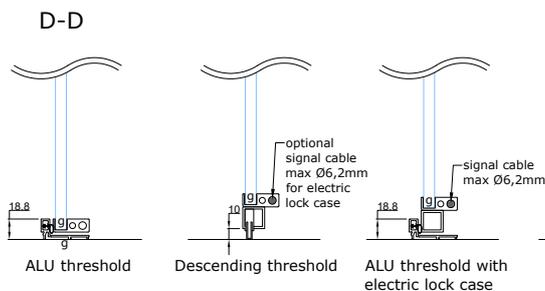


CONNECTION WITH WALL

CONNECTION WITH WALL WITHOUT SIDELIGHT



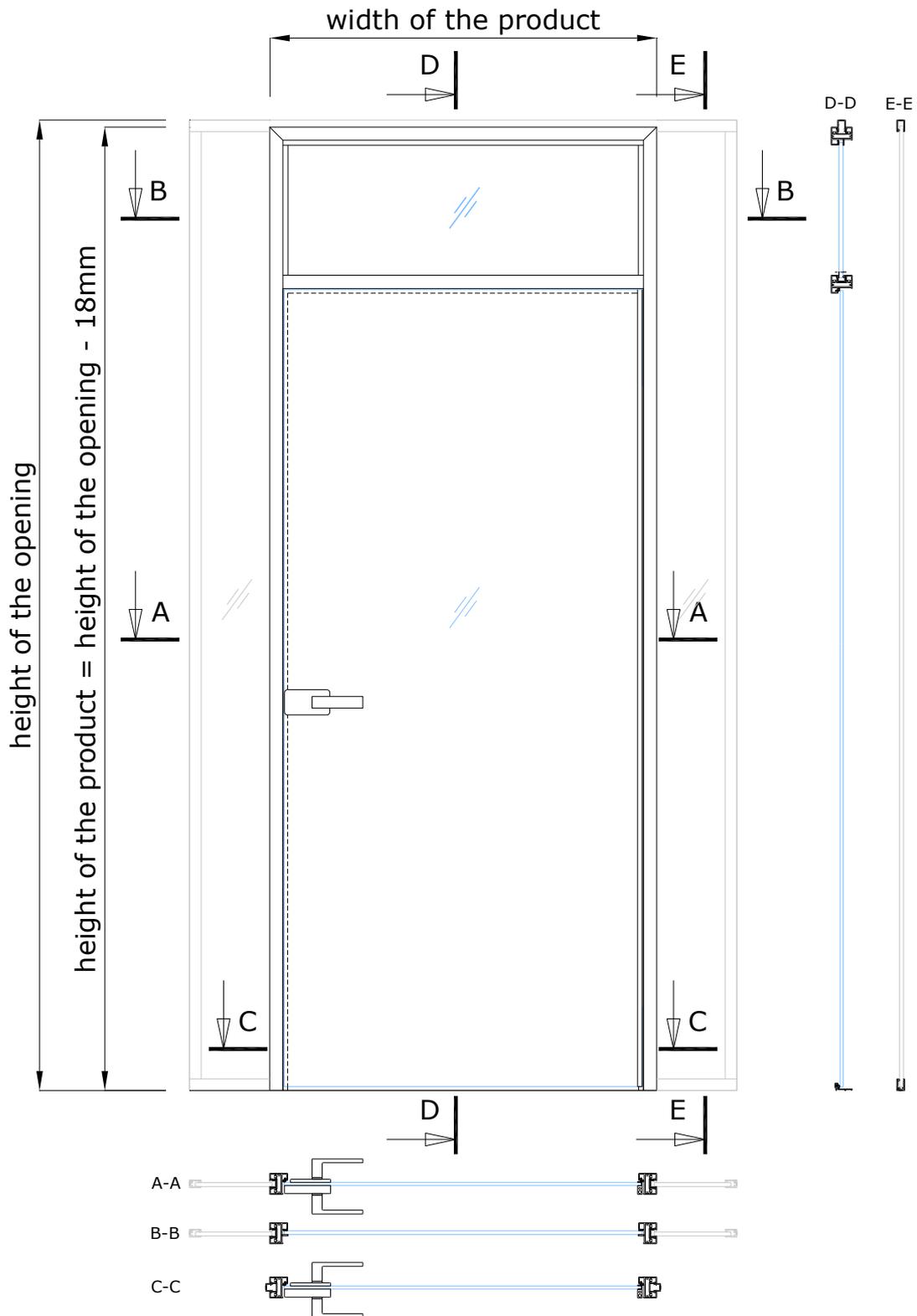
CONNECTION WITH FLOOR



- - seal, EPDM-50Dha_5mm_ BLACK
- g - glued connection
- ∩ - seal, VS118/8 black, white, dark gray
- ▬ - seal, FIX-SEAL/S 3x10mm, black
- ▨ - mastic sealant (optional when better soundproofing is required)
- - AFTC double-sided tape, 2,5x5mm / 3x7mm / 3x10mm, colourless

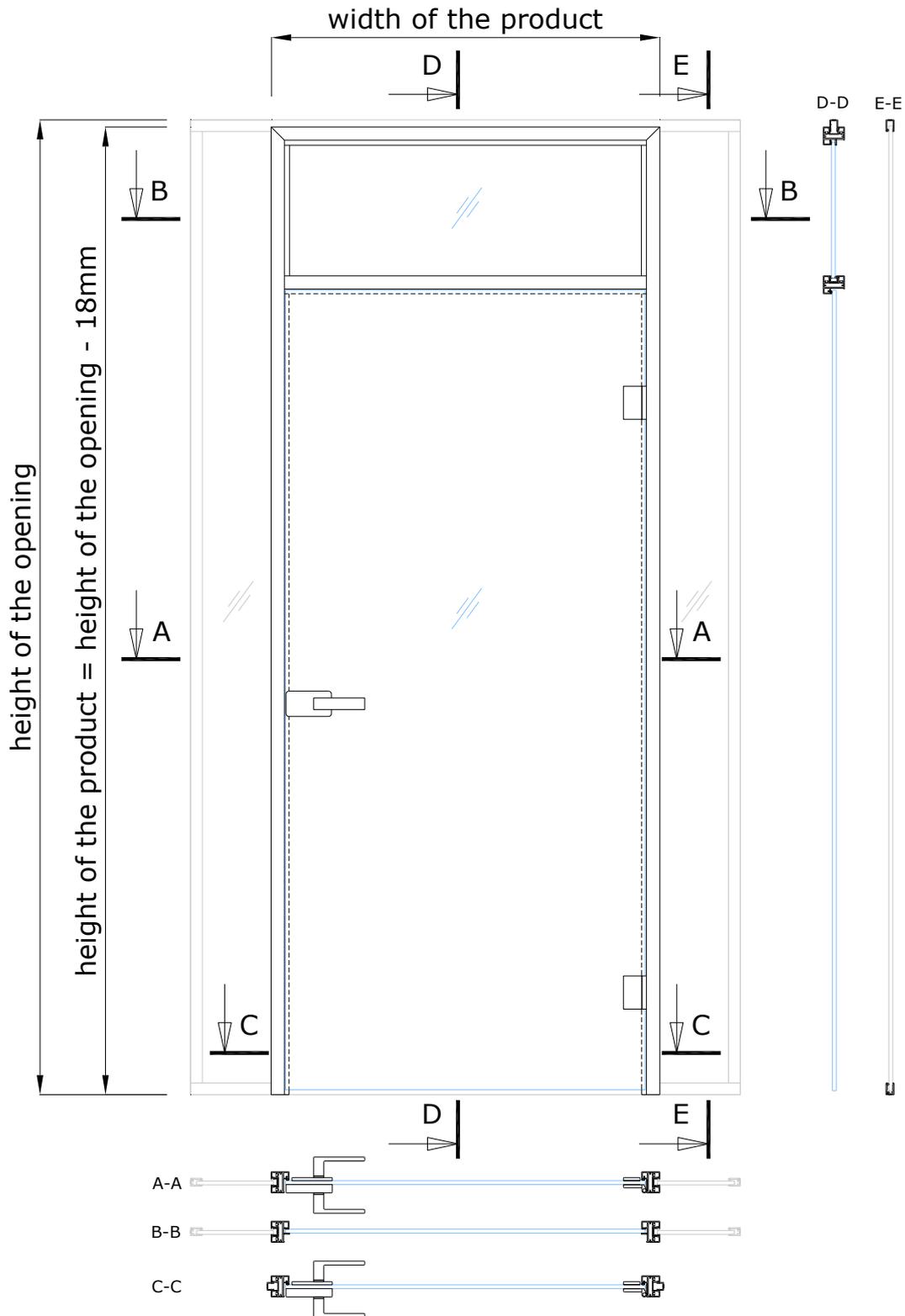
PORTA-53GS

WITH INWARDS OPENING
GD-12 DOOR PANEL



PORTA-53GS

WITH INWARDS OPENING
FULL GLASS DOOR PANEL

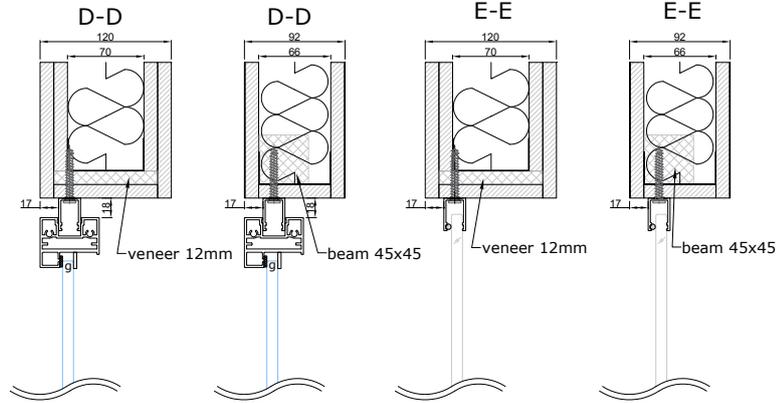


PORTA-53GS

CONNECTION UNITS OF FULL GLASS DOOR PANEL

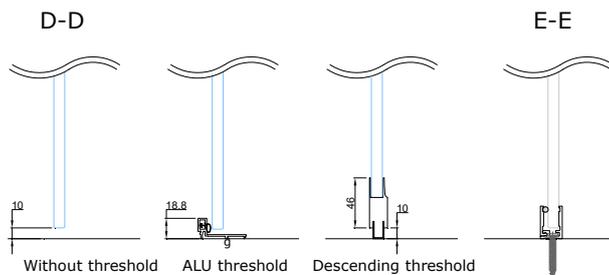
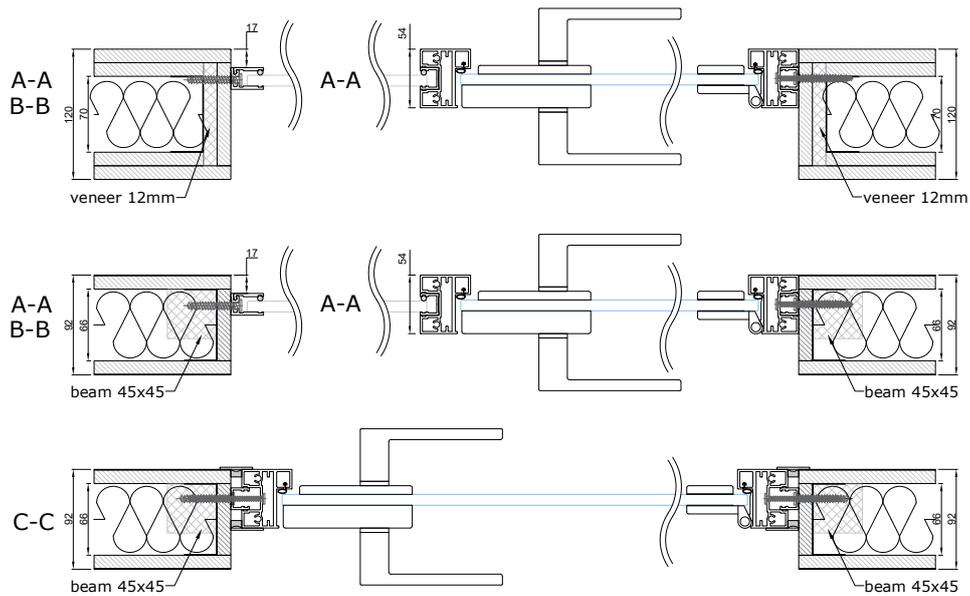


CONNECTION WITH CEILING



CONNECTION WITH WALL

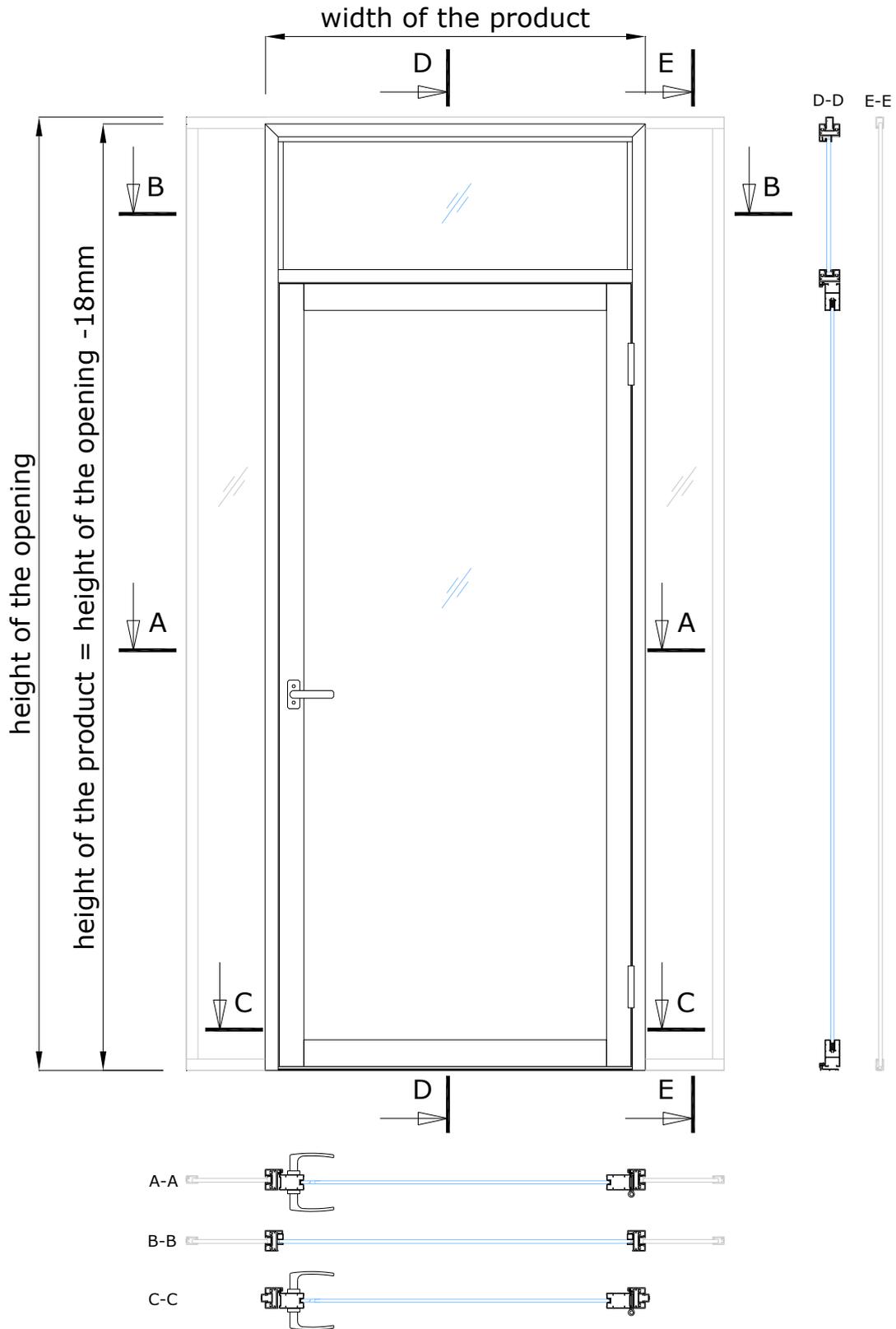
CONNECTION WITH WALL WITHOUT SIDELIGHT



- - seal, EPDM-50Dha_5mm_BLACK
- g - glued connection
- ▽ - seal, VS118/8 black, white, dark gray
- - seal, FIX-SEAL/S 3x10mm, black
- - mastic sealant (optional when better soundproofing is required)
- - AFTC double-sided tape, 2,5x5mm / 3x7mm / 3x10mm, colourless

PORTA-53GS

WITH INWARDS OPENING
S-32 DOOR PANEL

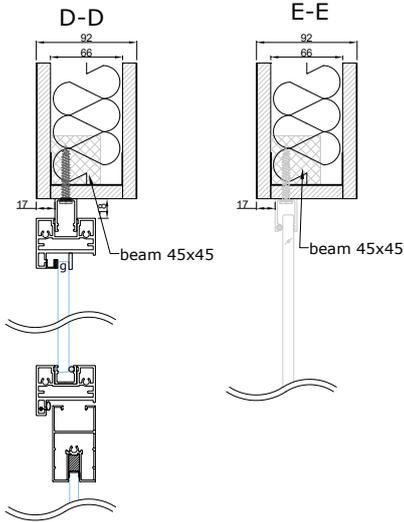


PORTA-53GS

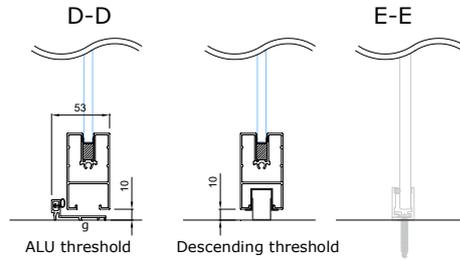
CONNECTION UNITS OF S-32 DOOR PANEL



CONNECTION WITH CEILING

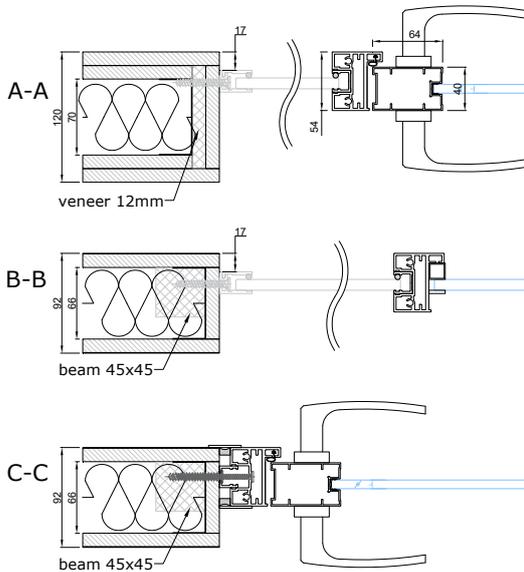


CONNECTION WITH FLOOR

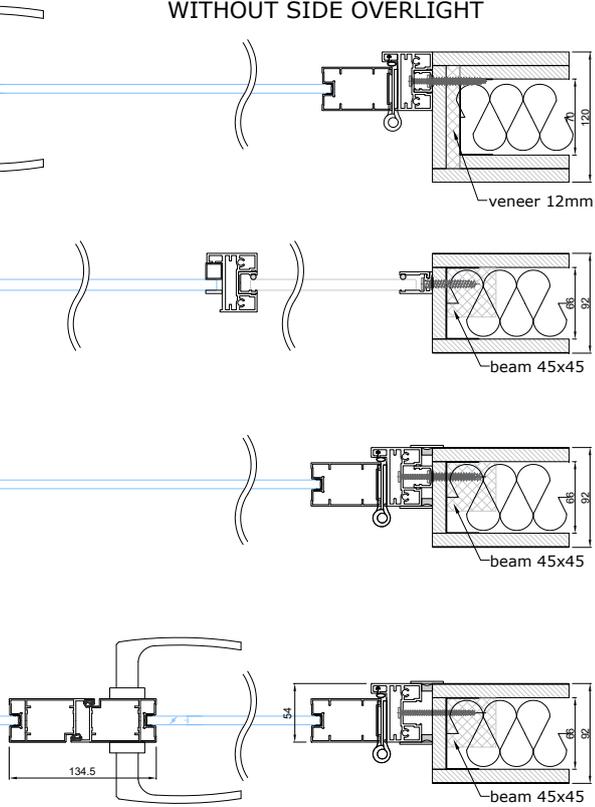


- - seal, EPDM-50Dha_5mm_BLACK
- g - glued connection
- ⌒ - seal, VS118/8 black, white, dark gray
- | - seal, FIX-SEAL/S 3x10mm, black
- - mastic sealant (optional when better soundproofing is required)
- - seal, LU6, transparent
- - AFTC double-sided tape, 2,5x5mm / 3x7mm / 3x10mm, colourless

CONNECTION WITH WALL



CONNECTION WITH WALL WITHOUT SIDE OVERLIGHT



PAIR DOOR CONNECTION WITH WALL WITHOUT SIDELIGHT

