

HB-S104 / HB-S104DD

A-60 CERTIFIED FIRE-PROOF HEAVY DUTY SLIDING DOOR

EXTERNAL DOOR FOR THE ROUGHEST ENVIRONMENTS

HB-S is classic and solid Baggerød design. HB-S104 can be delivered manual, electric and pneumatic. With Baggerød HBI-100 electric system this is one of the most flexible and durable automated doors in the market. The electric control system can be fitted in side cover (standard) or it can be fitted externally, away from the door.

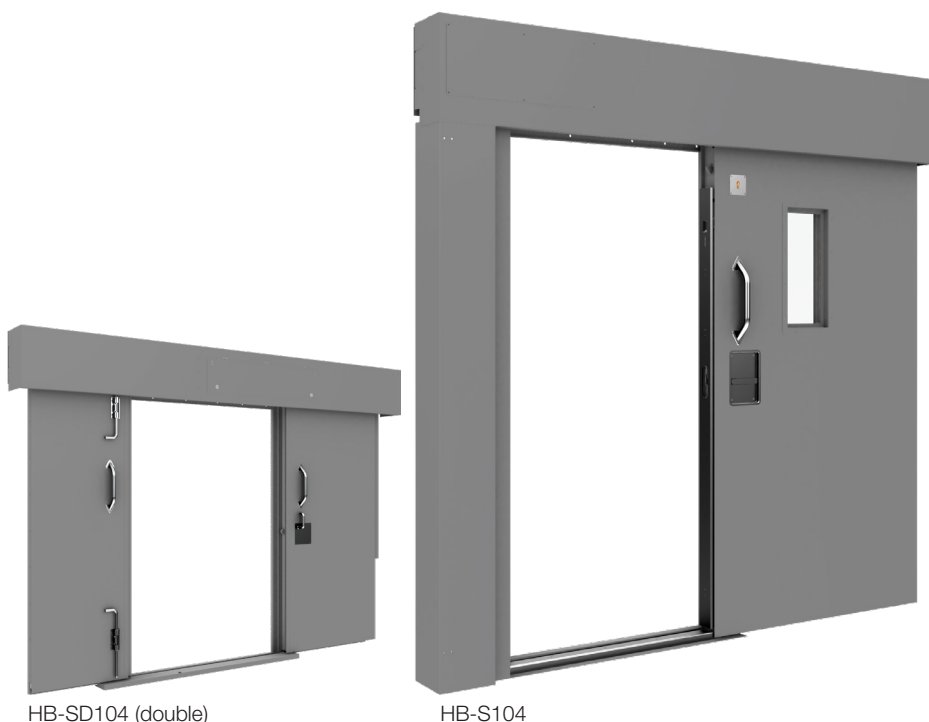
SPECIAL PRODUCT CUSTOMIZATION

Baggerød can on a project basis make customization to the door according to your needs and demands.

OPTIONS

- Vision panel 200x500mm
- Large vision panel (Non rated.)
- Electric door operation*
- Seamode/Cardeck function
- Alarm
- Key switch
- Electronic locking
- Limit switch for surveillance
- Pneumatic door operation*
- Recessed handles
- Extra locking features
- Hold open features
- Door stoppers
- Heat or earth cable
- EMC protection
- Electronic access control

* For more information regarding operation system options, see data sheets for operation systems.



HB-SD104 (double)

HB-S104

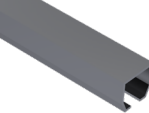




Description	HB-S104	HB-S104 EL (electric)	HB-S104 P (pneumatic)	HB-SD104 (Double)
Fire Class	A-60	A-60	A-60	A-60
Operation	Manual operation	Electric operation	Pneumatic operation	Manual operation
Door leaf	2 mm painted mild Steel or Stainless Steel surface	2 mm painted mild Steel or Stainless Steel surface	2 mm painted mild Steel or Stainless Steel surface	2 mm painted mild Steel or Stainless Steel surface
Frame	3 mm painted mild steel or Stainless Steel	3 mm painted mild steel or Stainless Steel	3 mm painted mild steel or Stainless Steel	3 mm painted mild steel or Stainless Steel
Thickness of door leaf	104 mm	104 mm	104 mm	104 mm
U-value	0.31 W/m²K	0.31 W/m²K	0.31 W/m²K	0.31 W/m²K
Max size (Clear opening W x H)	2500 x 2580mm	2500 x 2580mm	2500 x 2580mm	2590 x 2720mm
Water Pressure (outside)	2m std. 4.5m with reinforcement (W)	2m std. 4.5m with reinforcement (W)	2m std. 4.5m with reinforcement (W)	
Sound reduction	Rw 43db (with gaskets)	Rw 43db (with gaskets)	Rw 43db (with gaskets)	Rw 43db (with gaskets) Test on single door
Air and gas tight	0,1 m3/hm2 at 50 PA (with gaskets)	0,1 m3/hm2 at 50 PA (with gasket)	0,1 m3/hm2 at 50 PA (with gaskets)	0,1 m3/hm2 at 50 PA (with gaskets) Test on single door
Application	External	External	External	External

CONFIGURATION OF HB-S 104 SLIDING DOORS

Basic door parts

	31003	Assembly Kit HB-S
	18014	Gasket Material: Silicone
	18003	Frame gasket Material: Silicone
	42023	

Suspension parts

	15303	Rail AISI304
	15302	Rail Carbon steel
	40626	Rail end-stop Material: AISI304
	40526	Rail clamp AISI316L
	40525	Rail clamp Carbon steel
	10002889	Trolley/Rollers
	10005105	Material: AISI316L
	10005104	
	10002792	Trolley/Rollers for electric doors
	10005079	Material: AISI316L
	10005104	


Door handles

	10002421RH 10002420LH	Recessed door handle with blind escutcheon. AISI316L For el. doors.
	40208-40117-40118	Recessed door handle with blind escutcheon. Material: AISI316L
	40126	Door handle with blind escutcheon. 9mm Material: AISI316L



Door leaf guiding/steering parts

	59622 10006378 30900 40538 40622	Guide wheel with bracket (Top) Material: AISI316L Wheel: art. 40538
	59667	Guide wheel with bracket, low (Bottom) Material: AISI316L Wheel: art. 40539
	10003883	Guide wheel with bracket, slim (Bottom) Material: AISI316L Wheel: art. 40539
	59621	Guide wheel with bracket, high (Bottom) Material: AISI316L Wheel: art. 40539
	10006223 RH 10006224 LH	Guide wheel with bracket, (Bottom) Material: AISI316L Wheel: art. 40539
	40619	Wedge (lower) Material: POM 35x60x18x20mm
	40620	Wedge (upper) Material: POM 35X60X20mm

Lock case

	10000633/ 10000634	Lock case (Latching) including eye bracket. Material: AISI316L (old part no. 40028)
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Pull handles

	40141	Recessed pull handle Material: AISI316L
	40206-1	Pull handle Material: AISI316L

CONFIGURATION OF HB-S 104 SLIDING DOORS

Operation parts (mechanical)



Safety strip
Material: SS
For pneumatic doors

Assembly Counterweight system
for manual doors

Brake Cylinder
Material: AISI303/304
For manual doors

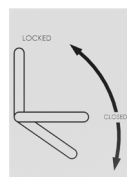
Options and accessories



Vision panel (Option)
Pilkington Pyrostop® Type 60-201
For external application (meets 60 minutes
insulation and integrity)
Multilaminated fire resistant glass of Pilkington
Optiwhite™ with intumescent layers and safety
interlayer



59657 Door stopper
Material: AISI316L
On wall or floor



40416 / 40417 Open/Closed sign for
door handle



59200 Heating cable kit
Incl. thermostat

For parts for pneumatic or electric system, please see
separate data sheets or system drawings.

ADVANCED DESIGNS

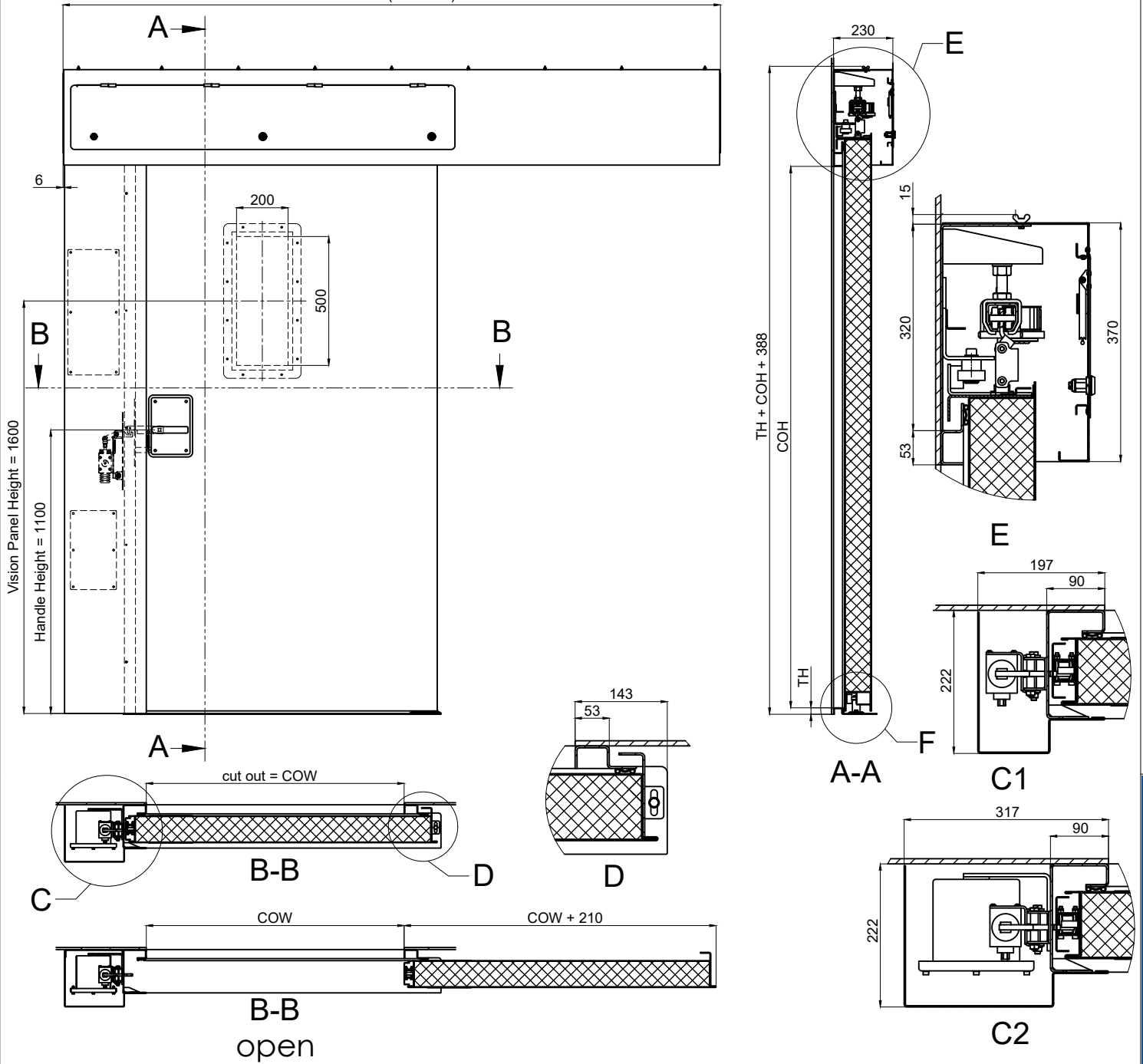
More advanced designs, and new configuration options may need calculations, design changes, extra logistics, tests and approvals.

- Special threshold/sill designs
- Special frame and threshold designs
- Vulcanized gaskets and other gasket solutions
- Extra-large sizes
- “Door in door” solutions
- Supply of unfamiliar articles.
- Extra door reinforcements
- Changes in steel thickness
- Special surface treatments
- Other design changes

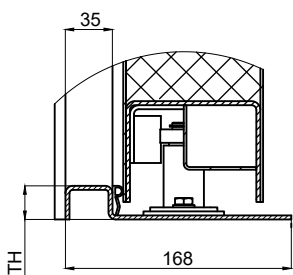
BAGGERØD AS

Office/factory address:	Horten Industripark, Nedre vei 8, Building 30C, 3183 Horten, Norway
Post address:	Post address: Post box 155, NO-3192 - Horten, Norway
Telephone:	+47 33 03 56 80
E-mail:	sales@baggerod.no
Website:	www.baggerod.no
Enterprise no:	NO 983 493 653

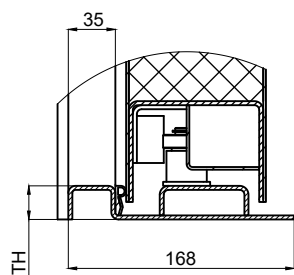
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 If "C2" than L = (2 x COW) + 650



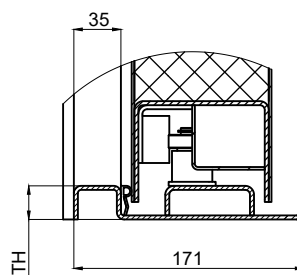
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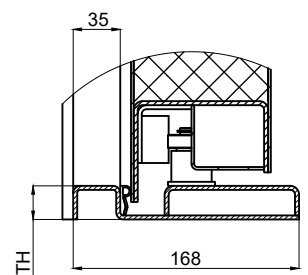
F1



F2



F3



F4

- Notes:
1. Example shows a right sliding door.
 2. Vision panel as an option.

Drawing title:
 ENGINEERING TO ORDER
 HB-S 104 (A-60) SINGLE SLIDING DOOR
 ELECTRIC OPERATED
 TYPICAL GENERAL ARRANGEMENT DRAWING

Date:
 08.06.2021

Drawn by:
 MTU

Approved:

Format:
 A4

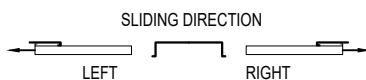
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Projection:

Fire certificate:
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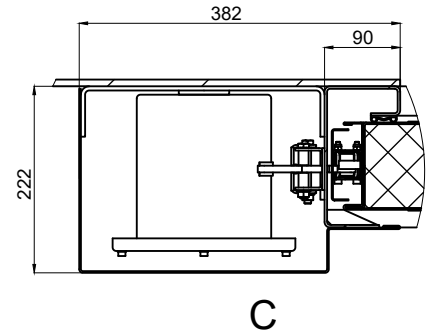
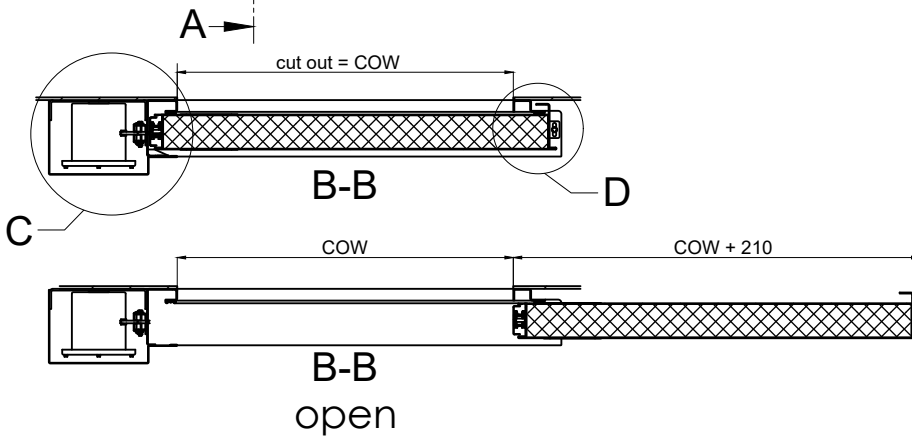
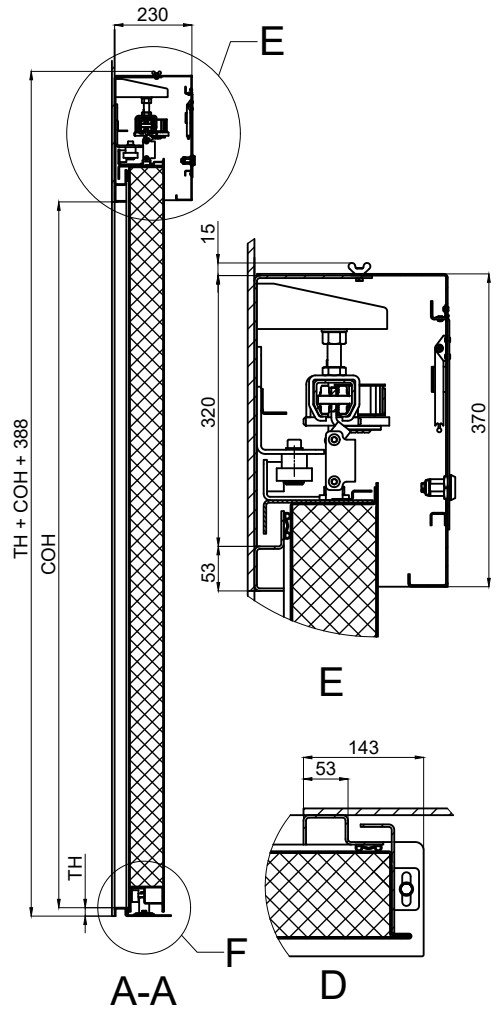
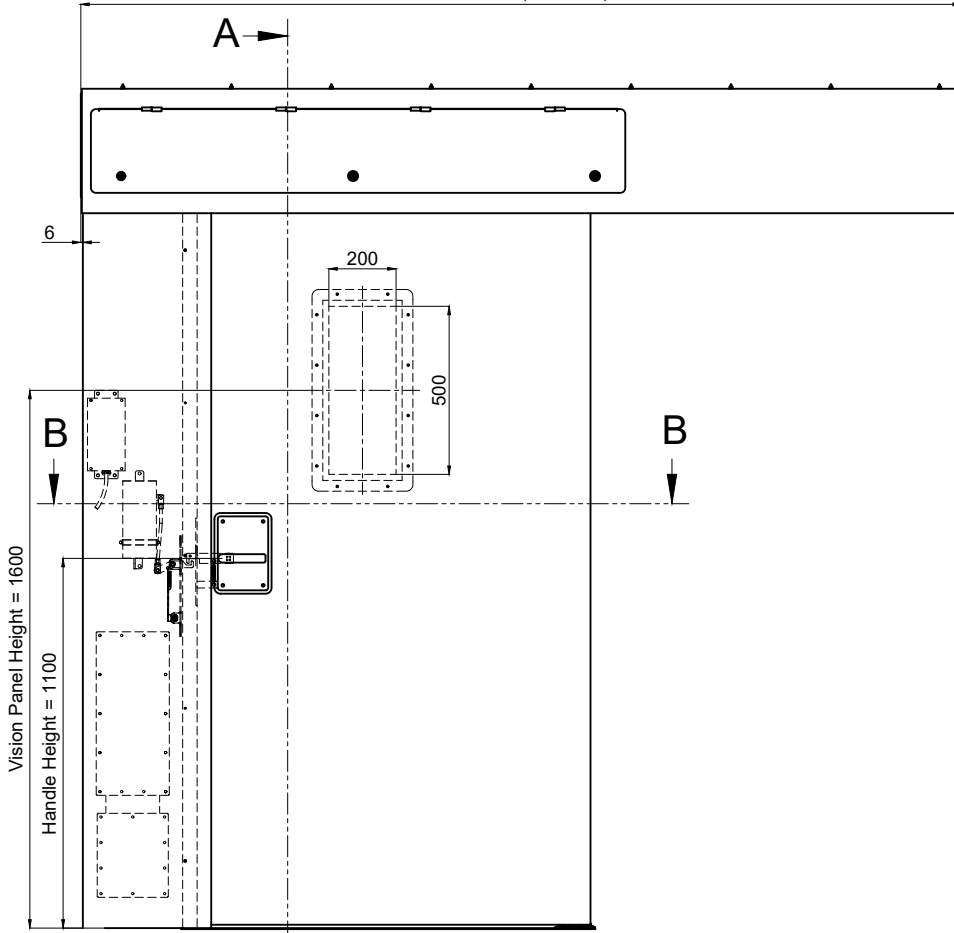
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Rev.:

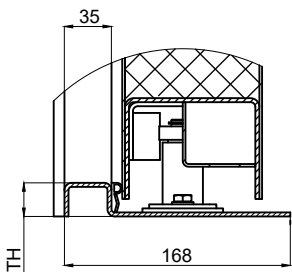


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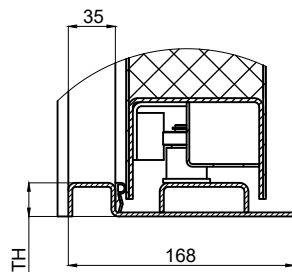
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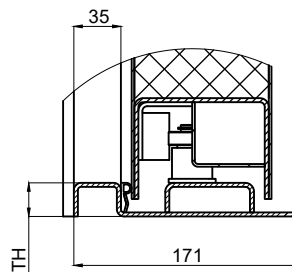
F: Threshold Type



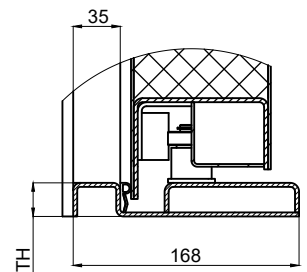
F1



F2



F3



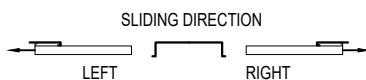
F4

- Notes:
1. Example shows a right sliding door.
 2. Vision panel as an option.

Drawing title:
 ENGINEERING TO ORDER
 HB-S 104 (A-60) SINGLE SLIDING DOOR
 ELECTRIC EX OPERATED - PRELIMINARY
 TYPICAL GENERAL ARRANGEMENT DRAWING

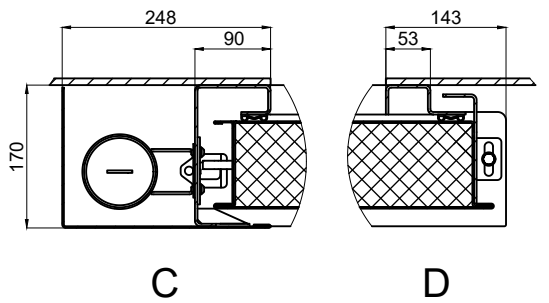
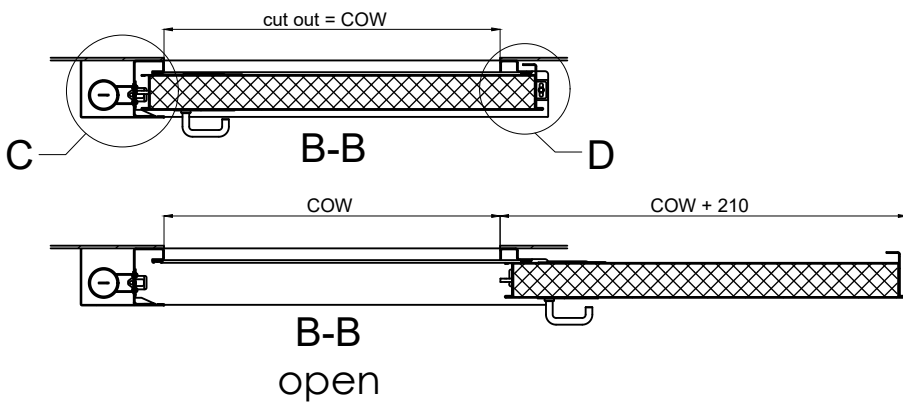
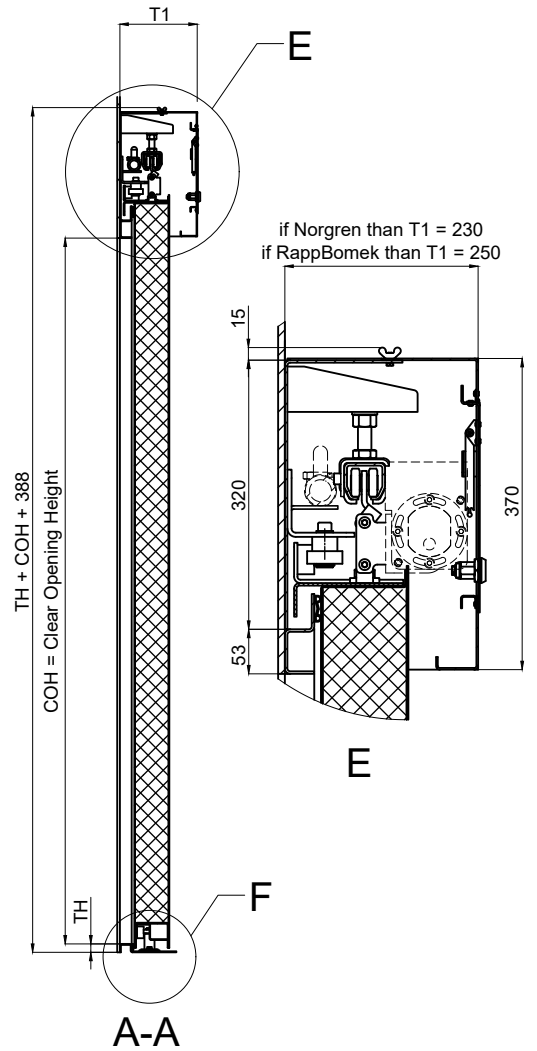
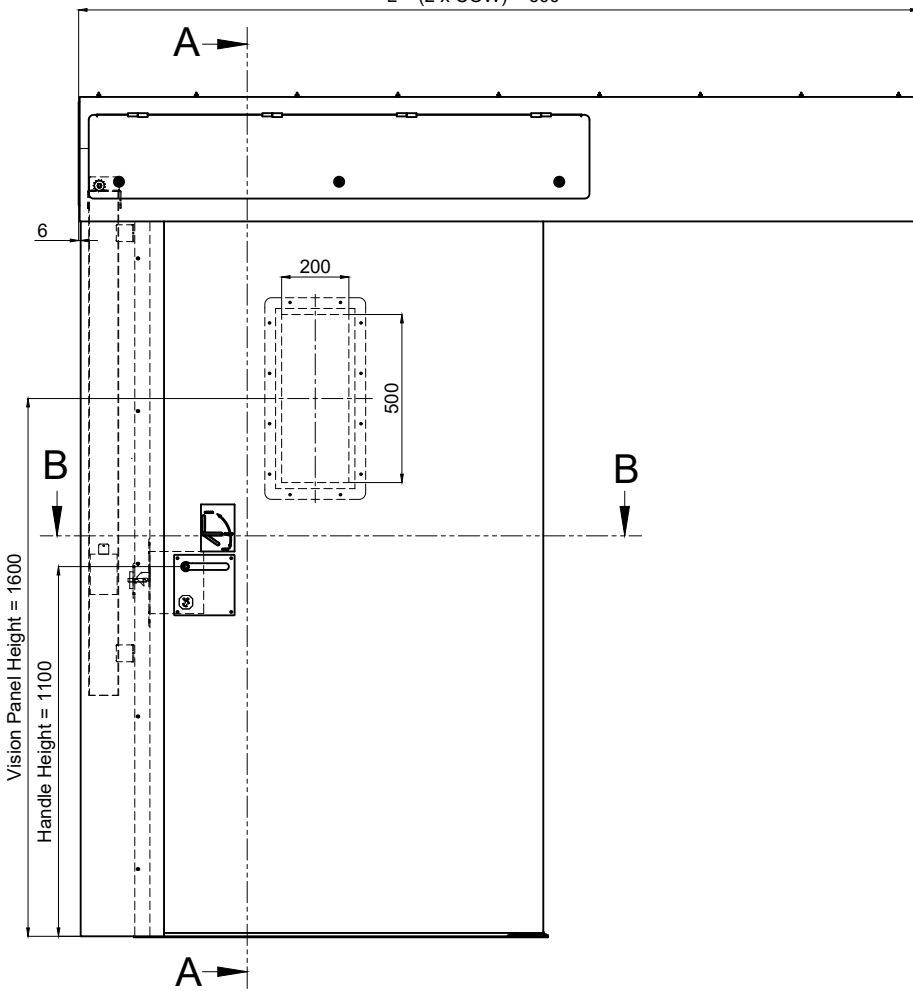
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Drawing no.:	01

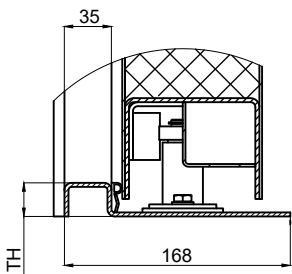


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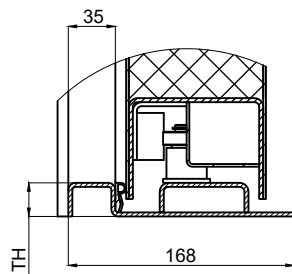
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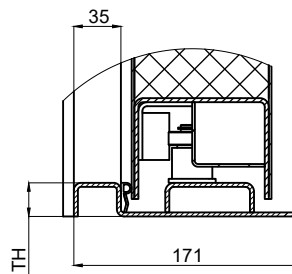
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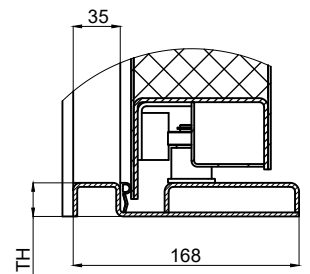
F1



F2



F3



F4

- Notes:
1. Example shows a right sliding door.
 2. Vision panel as an option.
 3. Norgren breaking cylinder stroke: COW + 100

Drawing title:
ENGINEERING TO ORDER
HB-S 104 (A-60) SINGLE SLIDING DOOR
MANUAL OPERATED
TYPICAL GENERAL ARRANGEMENT DRAWING

Date:
08.06.2021

Drawn by:
MTU

Approved:

Format:
A4

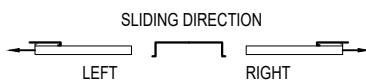
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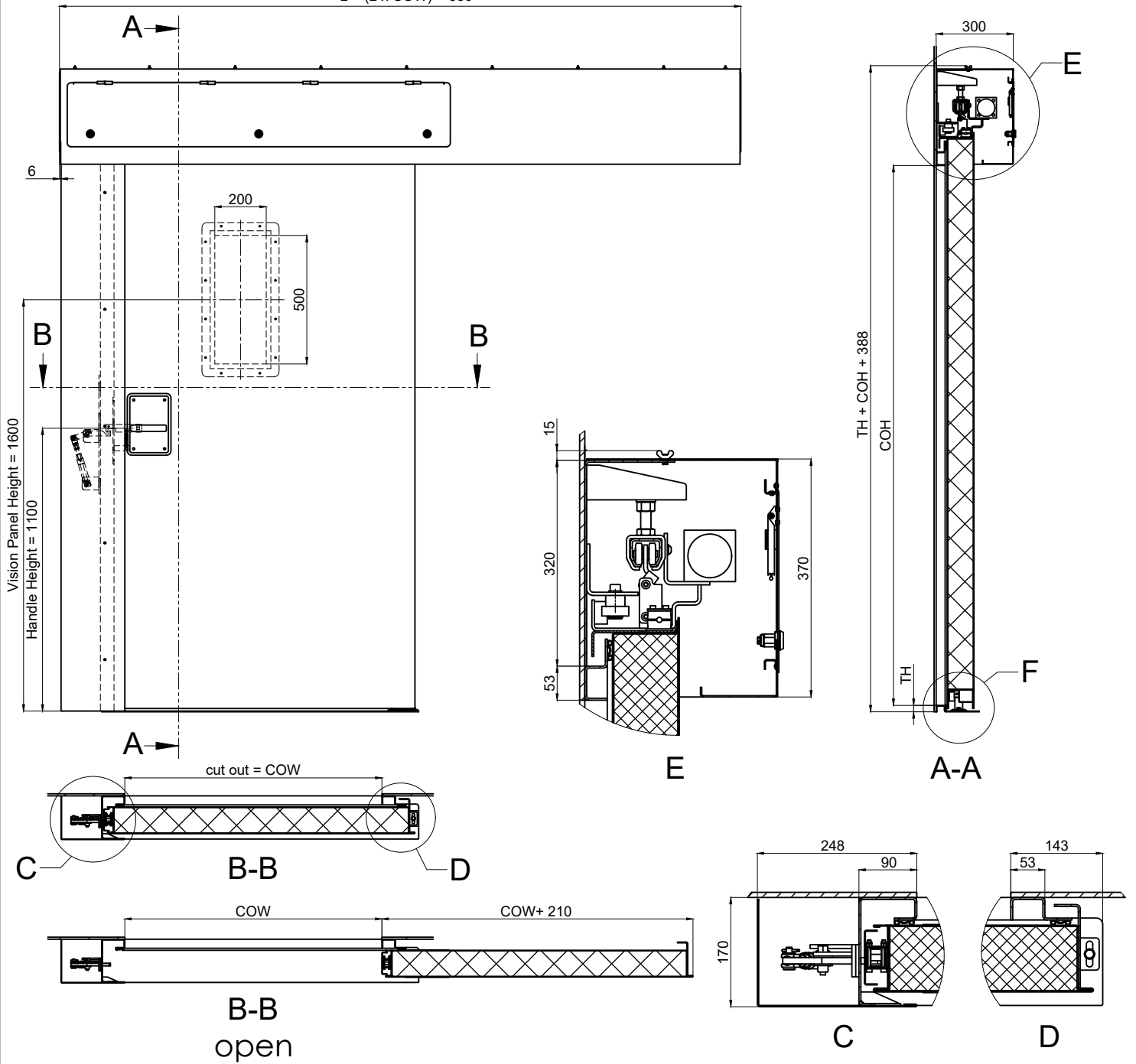
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Drawing no.:
S-08

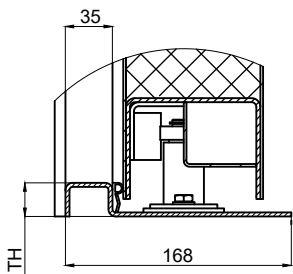
Rev.:
01



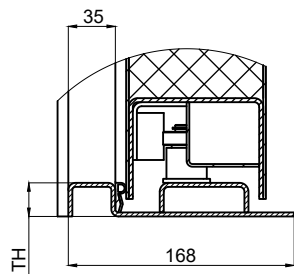
$$L = (2 \times \text{COW}) + 650$$



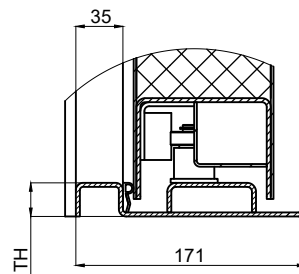
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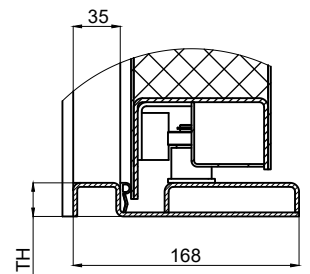
F1



F2



F3



F4

- Notes:
1. Example shows a right sliding door.
 2. Vision panel as an option.
 3. Cylinder stroke: $\text{COW} + 100$

Drawing title:
 ENGINEERING TO ORDER
 HB-S 104 (A-60) SINGLE SLIDING DOOR
 PNEUMATIC OPERATED
 TYPICAL GENERAL ARRANGEMENT DRAWING

Date:
08.06.2021

Drawn by:
MTU

Approved:

Format:
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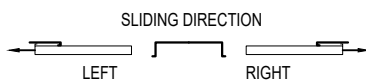
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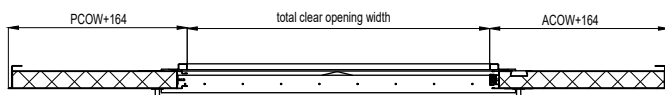
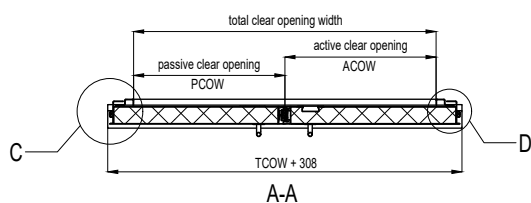
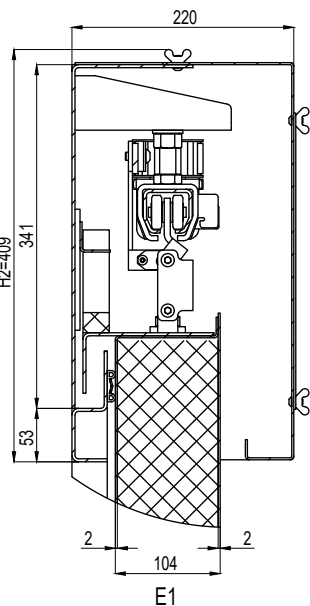
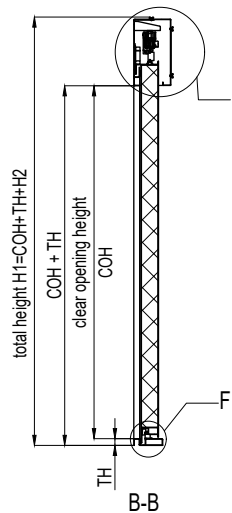
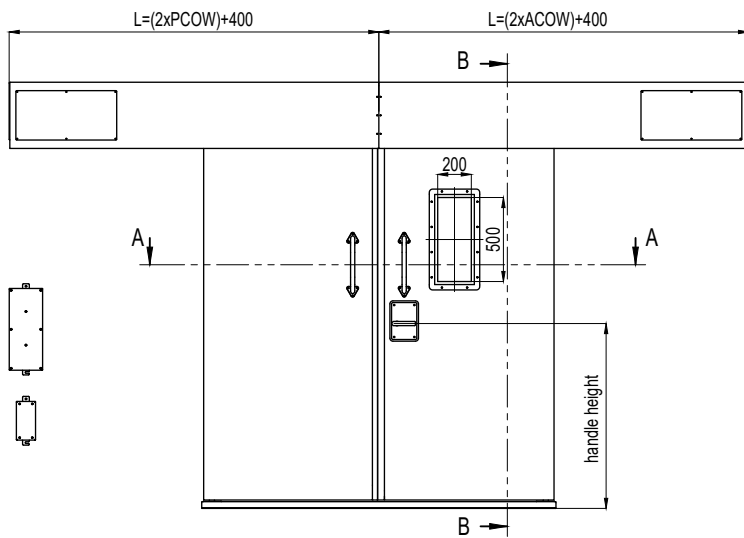
Fire certificate:
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Drawing no.:
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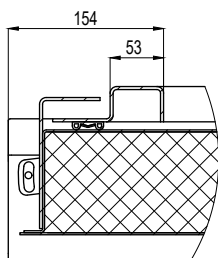
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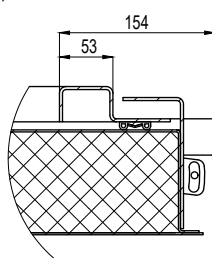
BAGGERØD



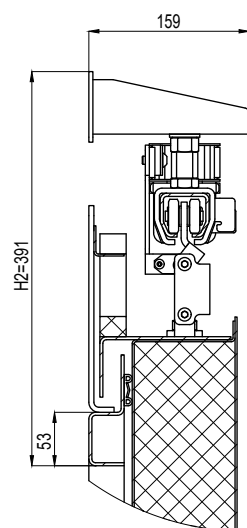
A-A (open)



C

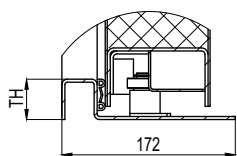


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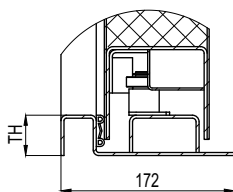


E2

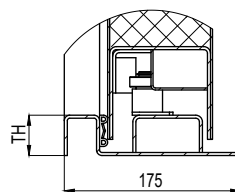
F: Threshold Type



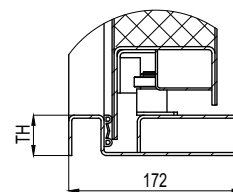
F1



F2



F3



F4

Notes:

1. Example shows a right sliding door.
2. E1 shows the door with wether cover.
3. E2 shows the door with loose brackets.
4. Minimum TH=25mm
5. Vision panel as an option.

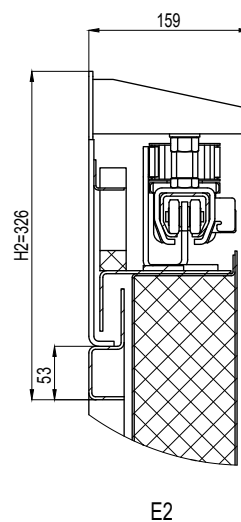
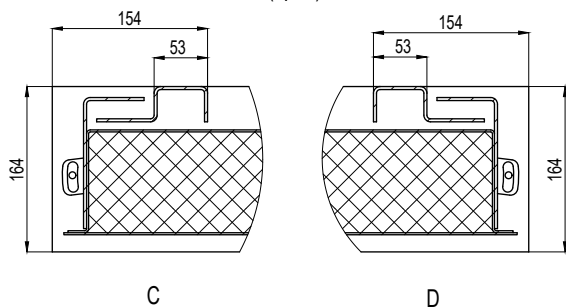
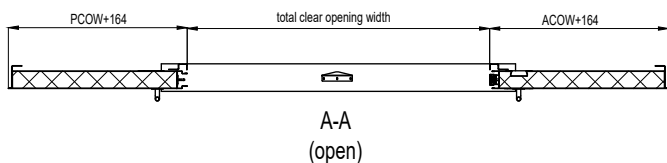
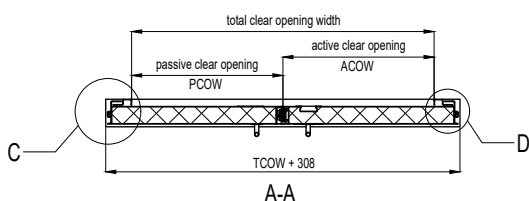
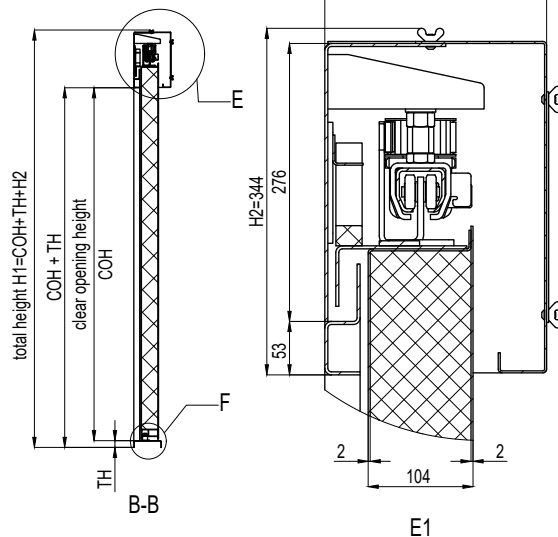
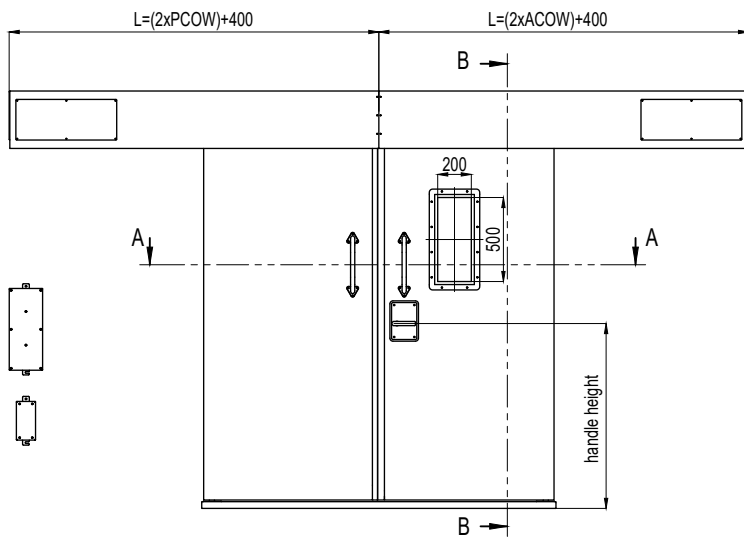
Drawing title:
ENGINEERING TO ORDER
HB-SD DOUBLE SLIDING DOOR WITH GASKET
ELECTRIC OPERATED
TYPICAL GENERAL ARRANGEMENT DRAWING

Date: 20.01.2022	Drawn by: MTU	Approved:
Format: A4	Sheet: 1 of 1	Projection:

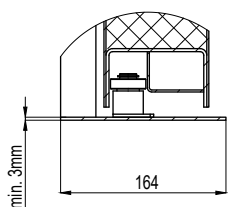
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DNV-GL-MEDB000069K

Drawing no.:	Rev.:
S-02	01

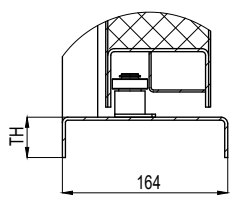




F: Threshold Type



F1



F2

Notes:

1. Example shows a right sliding door.
2. E1 shows the door with wether cover.
3. E2 shows the door with loose brackets.
4. Minimum TH=25mm
5. Vision panel as an option.

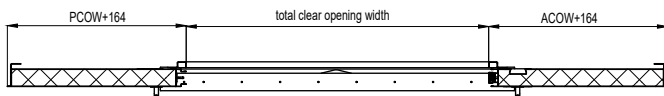
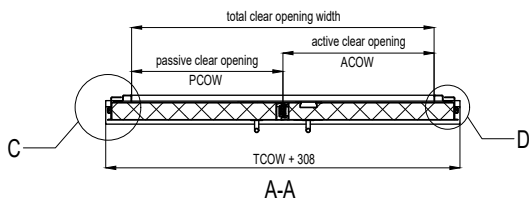
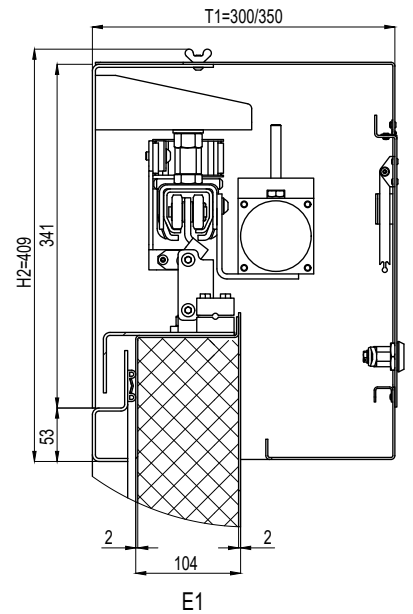
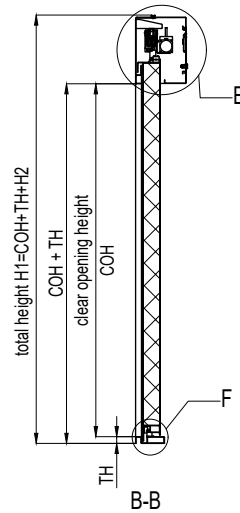
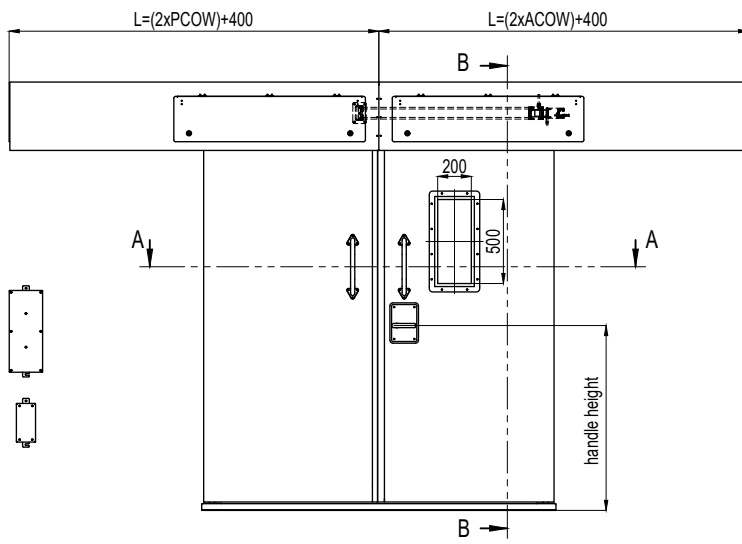
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HB-SD DOUBLE SLIDING DOOR WITHOUT GASKET
ELECTRIC OPERATED
TYPICAL GENERAL ARRANGEMENT DRAWING

Date: 20.01.2022	Drawn by: MTU	Approved:
Format: A4	Sheet: 1 of 1	Projection:

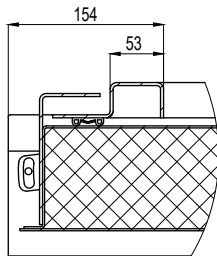
Fire certificate:
DNV-GL-MEDB000069K

Drawing no.:	Rev.:
S-02	01

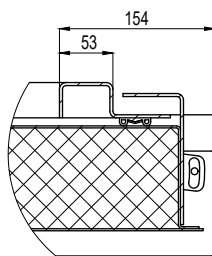




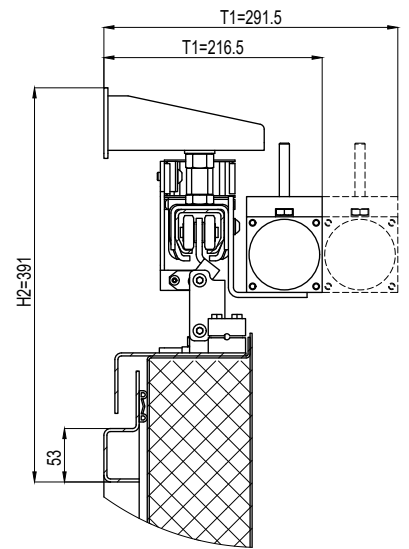
A-A
(open)



C

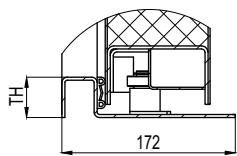


D

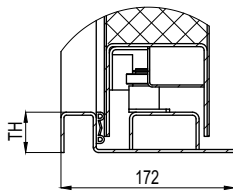


E2

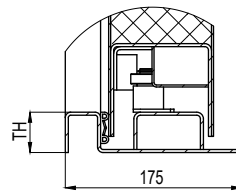
F: Threshold Type



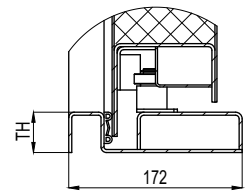
F1



F2



F3



F4

Notes:

1. Example shows a right sliding door.
2. E1 shows the door with wether cover.
3. E2 shows the door with loose brackets.
4. T1 depends on the door size (single/twin cyinder)
5. Minimum TH=25mm
6. Vision panel as an option.

Drawing title:
ENGINEERING TO ORDER
HB-SD DOUBLE SLIDING DOOR WITH GASKET
PNEUMATIC OPERATED
TYPICAL GENERAL ARRANGEMENT DRAWING

Date: 20.01.2022	Drawn by: MTU	Approved:
Format: A4	Sheet: 1 of 1	Projection:

Fire certificate:
DNV-GL-MEDB000069K

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