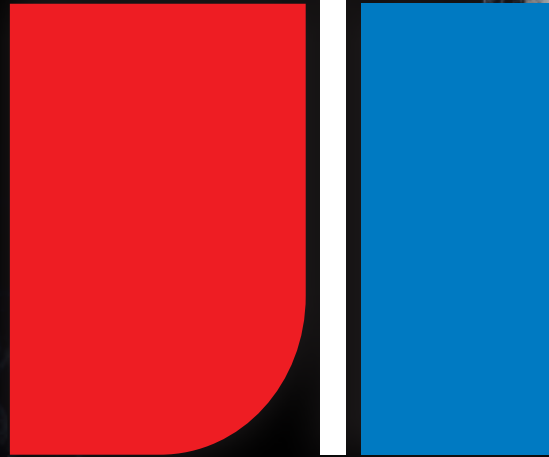


The background of the entire advertisement is a high-contrast image. On the left side, there are vibrant orange and yellow flames rising. On the right side, there is a dynamic splash of water with many white bubbles and droplets. The central area is black, providing a stark background for the white text and the Saajos logo.

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THE WAY YOU WANT

MARINE FIRE DOORS

www.saajos.fi

ON THE HIGH SEAS AND THROUGH THE MAZES OF ARCHIPELAGOES

There are all kinds of vessels sailing all around the world. Our products travel daily thousands of nautical miles in luxury cruisers, passenger ferries and cargo ships every day ensuring the safety of the passengers and crew members. Our success story which began in Baltic Sea with GTS Finnjet more than 30 years ago is now continuing globally. We are familiar with the ferries of Tallink, Brittany Ferries, TT-Line, Stena Line and Viking Line. We do know the ferries of Color Line crossing from Norway to Denmark, Sweden and Germany. We are proud also to be onboard the luxury cruisers of the Caribbean – including the colossal RCCL Oasis-class ships Oasis of the Seas and Allure of the Seas.

CONTENTS

A-CLASS HINGED DOORS	3
B-CLASS HINGED DOORS	7
A- AND B-CLASS SLIDING DOORS	13
C-CLASS DOORS	18



A-CLASS HINGED DOORS

STANDARD EXECUTION

Single leaf door (A-60):

62 mm thick door leaf made of Zn-coated steel plates, with mineral wool core, secured by trim list fastened with stainless steel blind rivets. Reinforcement for door closer and counter plate of magnet. Cut out for lock case.

Double leaf door (A-60):

Double leaf door: 62 mm thick door leaves made of Zn-coated steel plates, with mineral wool core, secured by trim list fastened with stainless steel blind rivets. Reinforcement for door closer and counter plate of magnet. Cut out for lock case. In-active door leaf with 2-point latch on side 2.

Frame:

Zn-coated Z-profile

Sill:

U-profile

Hinges:

3 pcs. Zn-coated hinges / door leaf

Max frame opening:

- | | |
|-------------------------|----------------|
| • A-60 single leaf door | 1360 x 2400 mm |
| • A-60 double leaf door | 2740 x 2400 mm |

TYPICAL OPTIONS

Door leaf:

Painted to standard RAL-colour, PVC-coated steel plate, self adhesive flexible film, stainless steel plate, trim lists of stainless steel

Frame:

Holes for fastening to the bulkhead with screws. Painted to standard RAL-colour. Stainless steel profile. Different frame and sill alternatives.

Accessories:

- lock case
- handles
- escutcheons
- locking cylinder
- door closers
- panic bar
- mechanical closing selector for double door
- frame with rubber gasket
- kick plate of stainless steel
- window
- magnets
- release and indication switches
- hose port



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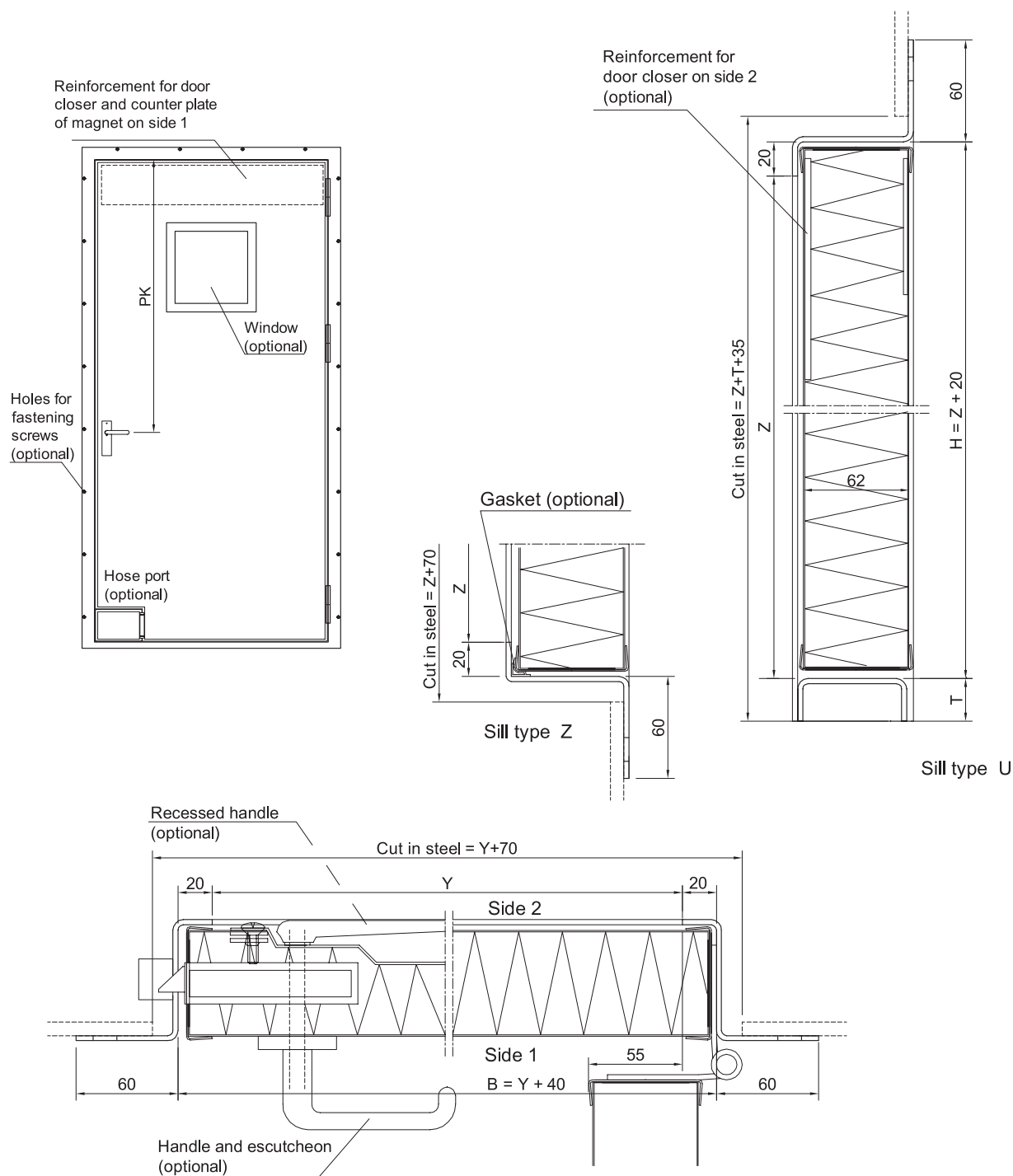
A-60 SINGLE LEAF HINGED MARINE FIRE DOOR

Max. frame opening size 1360 x 2400 (Y x Z)

Designer: 2.2.2018 KM • Drwg no.: SA-27780A • Based on drwg no.: SA-27600

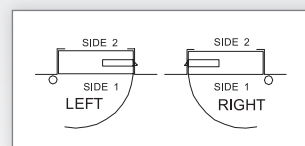
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A) gasket changed 19.10.2018 KM



WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, T, PK
3. Sill type
4. Opening direction
5. Options



A-60 DOUBLE LEAF HINGED MARINE FIRE DOOR

Max. frame opening size 2740 x 2400 (Y x Z)

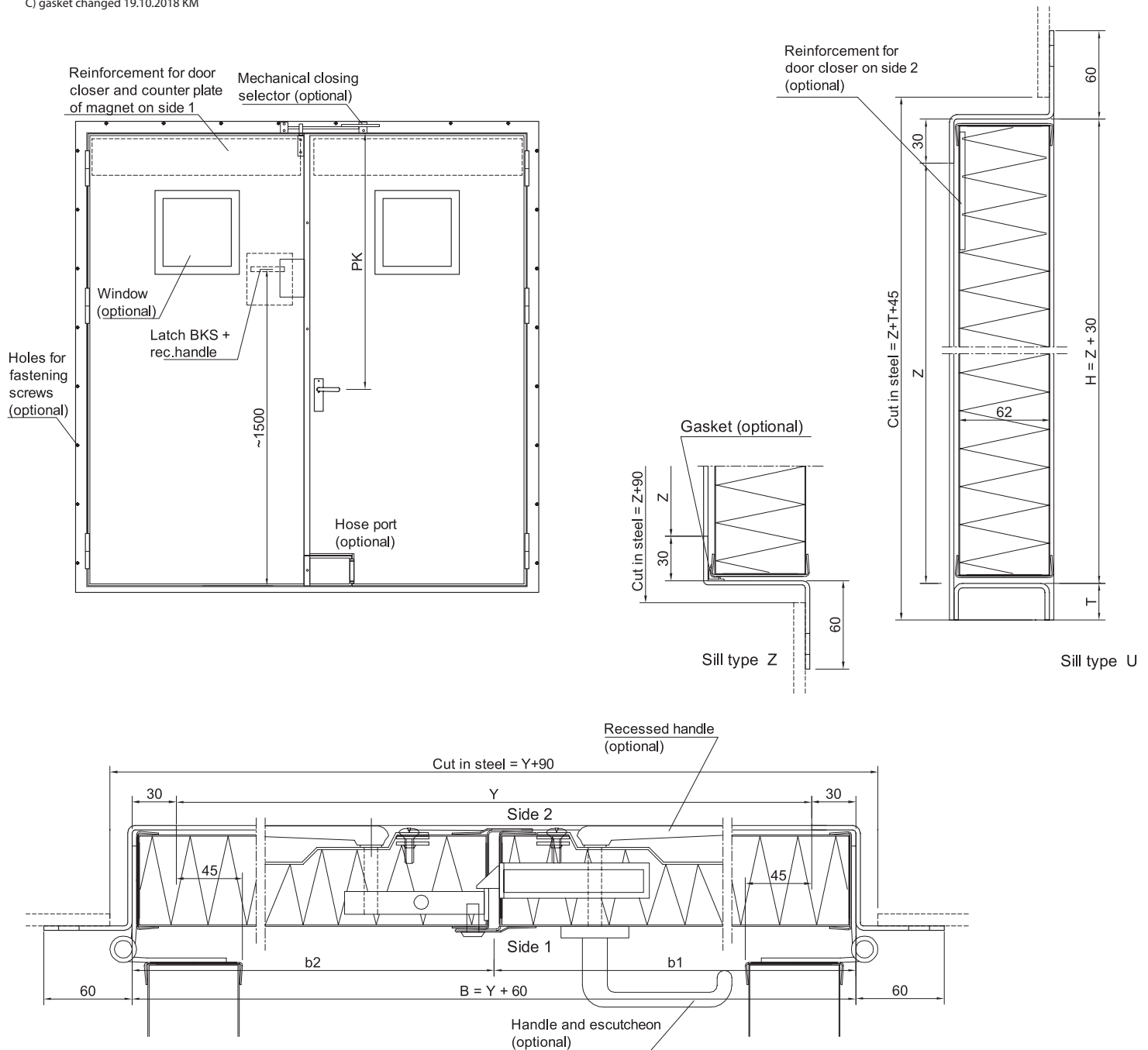
Designer: 14.11.2017 KM • **Drwg no.: SA-27781C** • Based on drwg no.: SA-27540

saa|os

A) minor detail clarifications 2.2.2018 KM

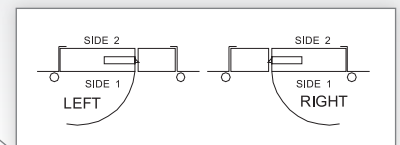
B) gasket changed 4.5.2018 KM

C) gasket changed 19.10.2018 KM



WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, T, PK
3. Sill type
4. Opening direction
5. Sizes of doorleaves
if not symmetric (b1, b2)
6. Options

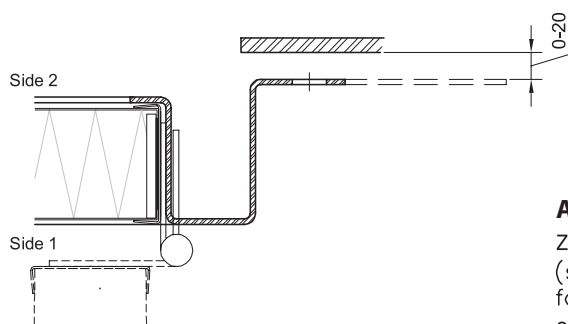


TYPICAL A-60 MARINE FIRE DOOR FRAME ALTERNATIVES

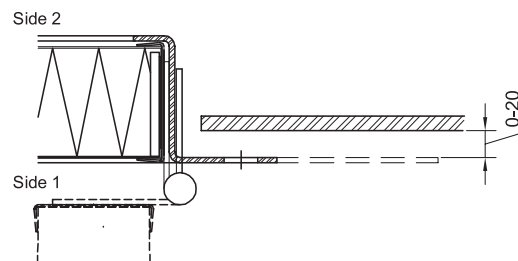
Designer: 7.5.2018 KM • Drwg no.: SA-27951

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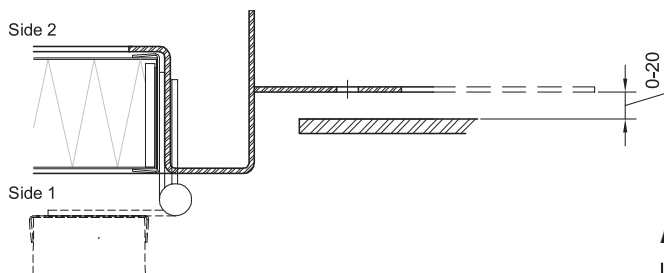
Alt 1.
U frame
(screw
fastening
or welded)



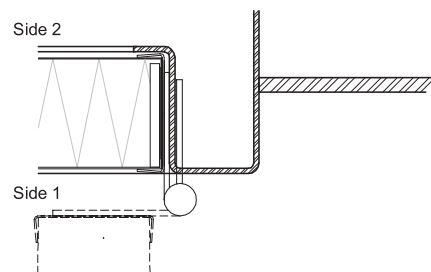
Alt 2.
Z frame
(screw
fastening
or welded)



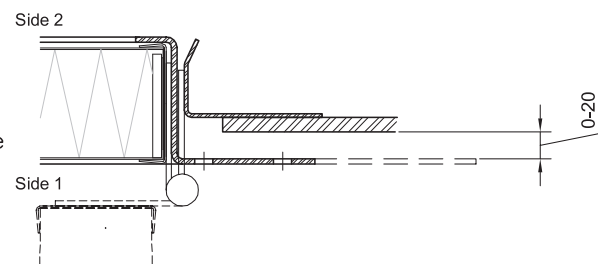
Alt 3a.
U frame
(screw
fastening
or welded)



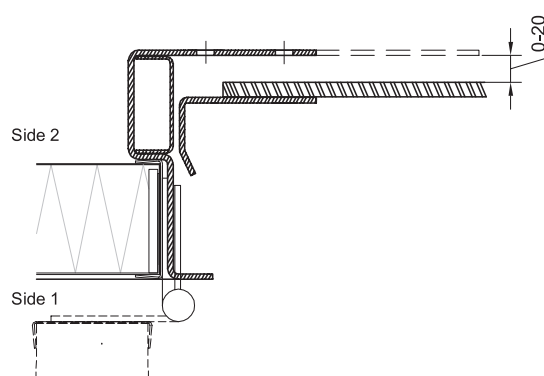
Alt 3b.
U frame
(welded)



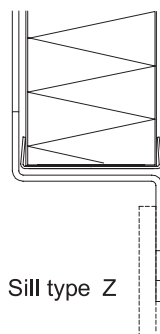
Alt 4.
Z frame +
counter frame
(screw
fastening)



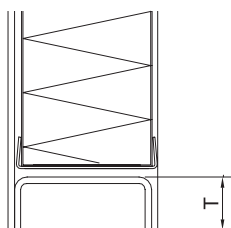
Alt 5.
T frame
(screw
fastening)



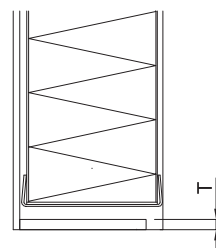
STANDARD SILL TYPES



Sill type Z



Sill type U



Sill type F

B-CLASS HINGED DOORS

STANDARD EXECUTION

Door leaf:	40 or 52 mm thick, made of Zn-coated steel plates, with mineral wool core, powder painted to standard RAL/NCS-colour, secured by trim list fastened with stainless steel blind rivets. Reinforcement for door closer and counter plate of magnet. Cut out for lock case.									
Frame:	Zn-coated steel, Z-profile, powder painted to standard RAL/NCSL-colour, stainless steel striker plate, counter frame for installation to wall panel, top part as frame or top panel, fastening screw holes and plastic cover caps.									
Sill:	U-profile with stainless steel cover plate									
Hinges:	3 pcs. stainless steel hinges, screw fastened to frame and door leaf									
Max frame opening:	<table><tr><td>• B-15 single leaf door</td><td>1100 x 2100 mm</td></tr><tr><td>• B-15 single leaf door HNR (Rw=39dB)</td><td>1100 x 2100 mm</td></tr><tr><td>• B-15 single leaf door HNR (Rw=45dB)</td><td>1100 x 2100 mm</td></tr><tr><td>• B-15 double leaf door</td><td>2080 x 2080 mm</td></tr></table>		• B-15 single leaf door	1100 x 2100 mm	• B-15 single leaf door HNR (Rw=39dB)	1100 x 2100 mm	• B-15 single leaf door HNR (Rw=45dB)	1100 x 2100 mm	• B-15 double leaf door	2080 x 2080 mm
• B-15 single leaf door	1100 x 2100 mm									
• B-15 single leaf door HNR (Rw=39dB)	1100 x 2100 mm									
• B-15 single leaf door HNR (Rw=45dB)	1100 x 2100 mm									
• B-15 double leaf door	2080 x 2080 mm									

TYPICAL OPTIONS

Door leaf:	Powder or wet painted to RAL/NCS colour), PVC coated steel plate, decorative laminate, digital print, stainless steel, trim lists of stainless steel
Frame:	Powder or wet painted to RAL/NCS colour, stainless steel.
Accessories:	<ul style="list-style-type: none">• lock case• handles• escutcheons• locking cylinder• ventilation grill• kick out panel• door closers• panic bar• frame with rubber gasket• kick plate of stainless steel• embossed design• consealed door hinges• consealed door closer• card readers

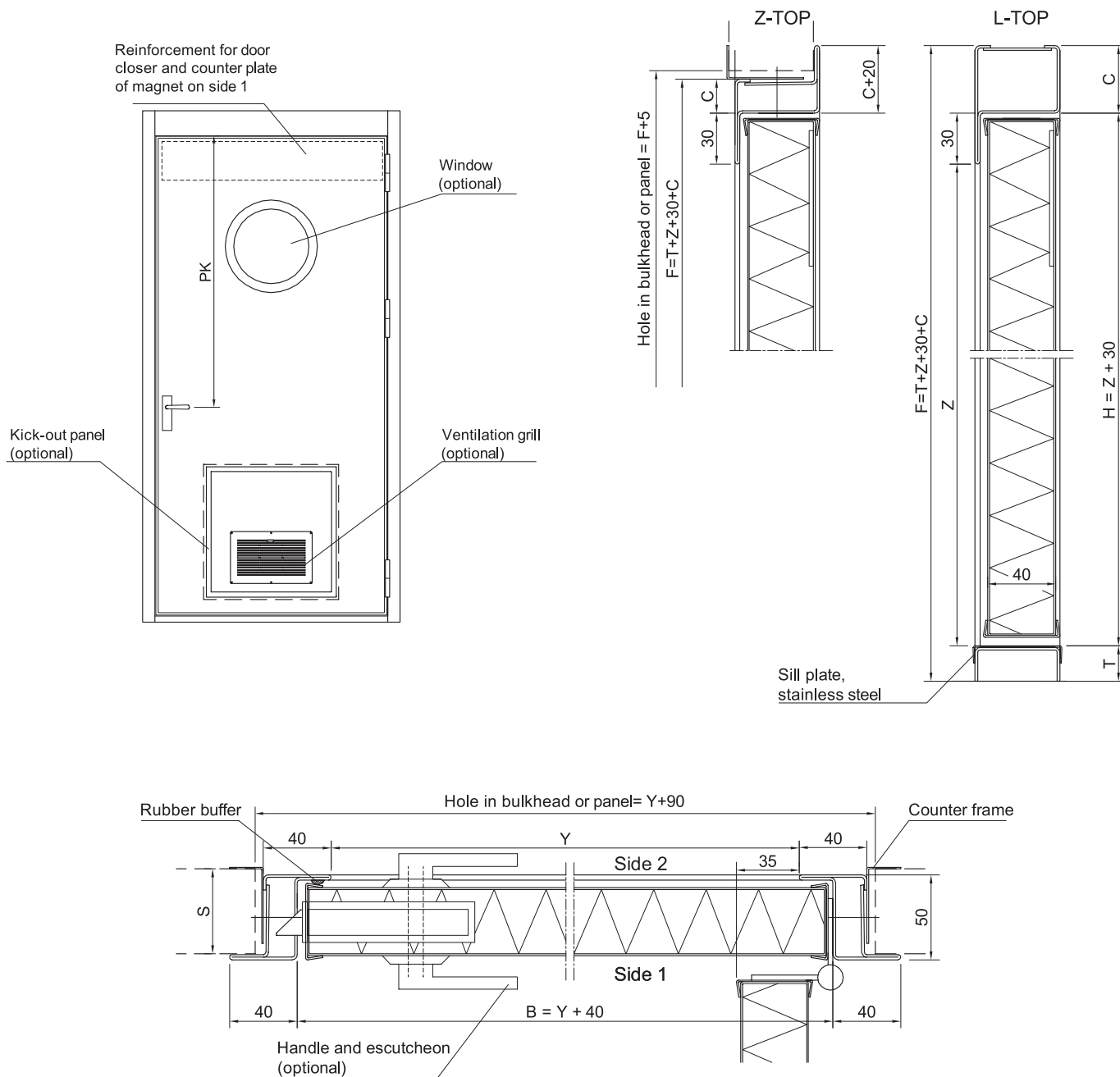


B-15 SINGLE LEAF HINGED MARINE FIRE DOOR

Max. frame opening size 1100 x 2100 (Y x Z)

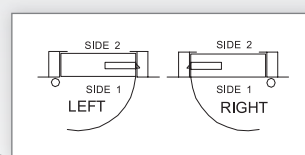
Designer: 2.2.2018 KM • Drwg no.: SA-27782 • Based on drwg no.: SA-22488

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WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, T, S, C, PK
3. Top type
4. Opening direction
5. Door and frame finishing
6. Options

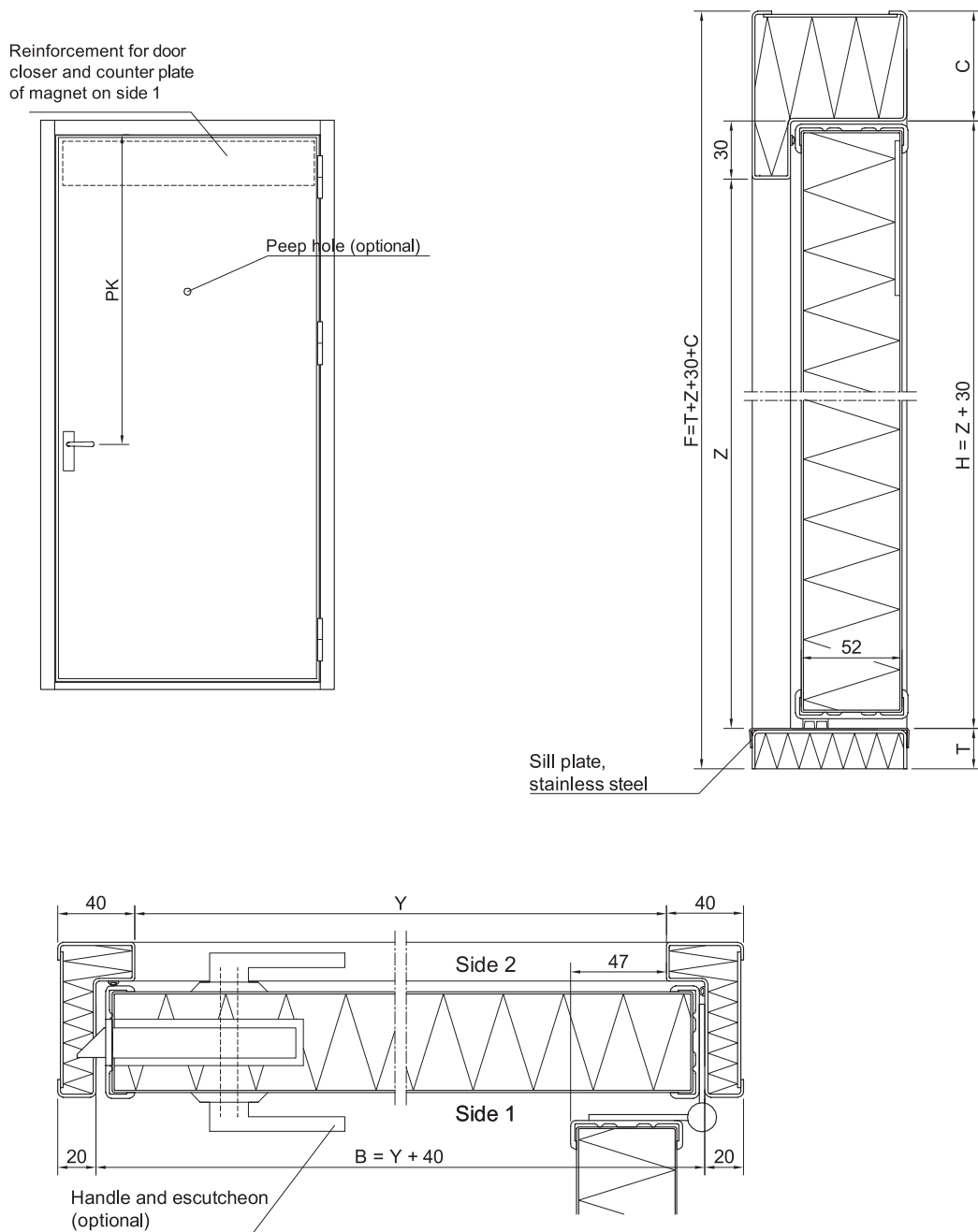


B-15 HIGH NOISE REDUCTION MARINE FIRE DOOR

Rw = 39 dB • Max. frame opening size 1100 x 2100 (Y x Z)

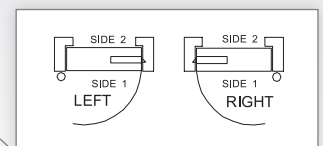
Designer: 7.2.2018 KM • Drwg no.: SA-27784 • Based on drwg no.: SA-27506A

saajos



WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, T, S, C, PK
3. Opening direction
4. Door and frame finishing
5. Options



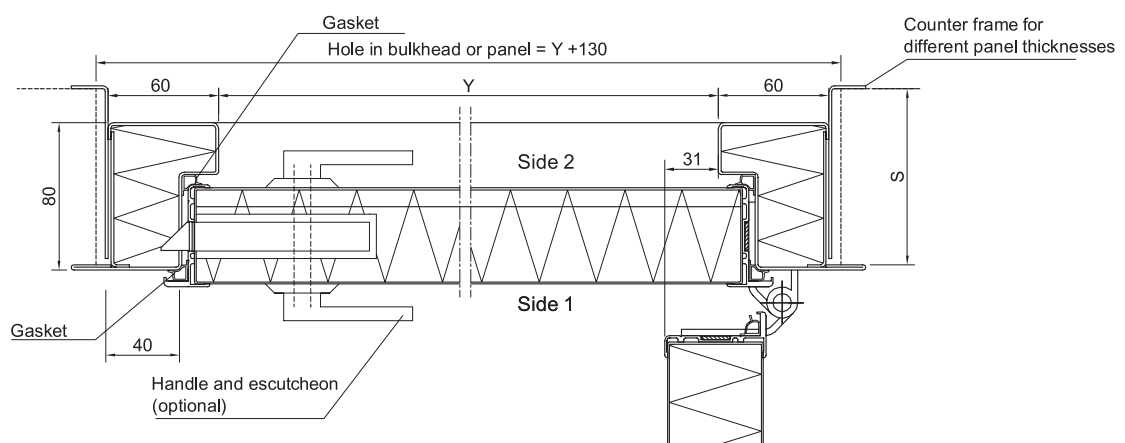
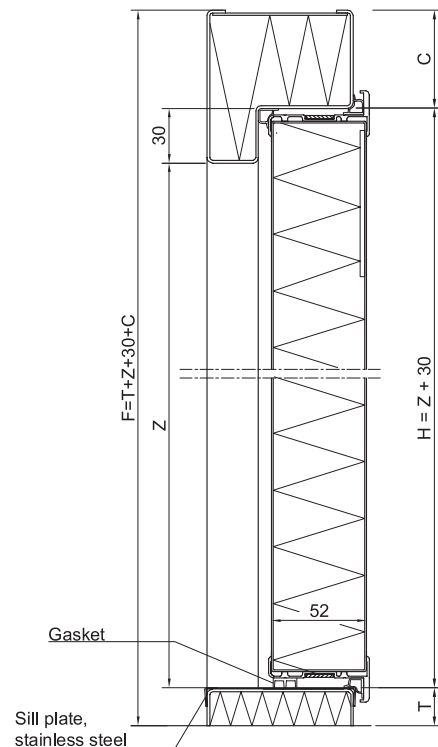
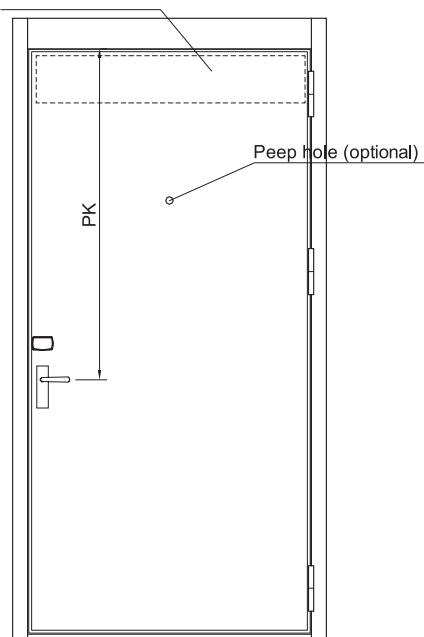
B-15 HIGH NOISE REDUCTION MARINE FIRE DOOR

Rw = 45 dB • Max. frame opening size 1100 x 2100 (Y x Z)

Designer: 7.2.2018 KM • Drwg no.: SA-27785 • Based on drwg no.: AW14002-1

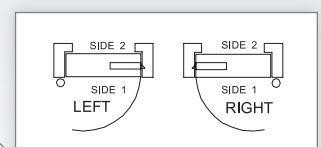
sajos

Reinforcement for door
closer and counter plate
of magnet on side 1



WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, T, S, C, PK
3. Opening direction
4. Door and frame finishing
5. Options

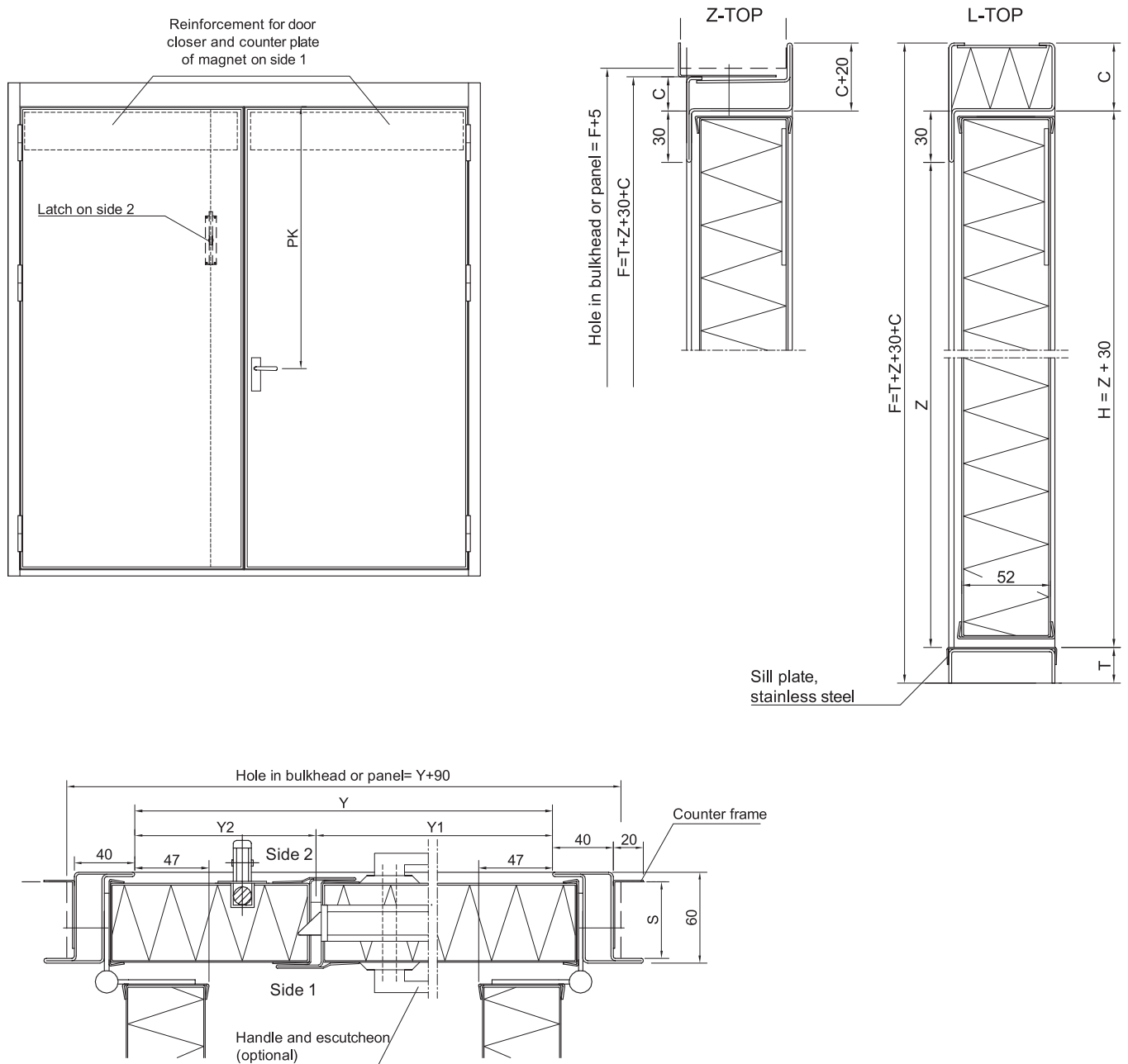


B-15 DOUBLE LEAF HINGED MARINE FIRE DOOR

Max. frame opening size 2080 x 2080 (Y x Z)

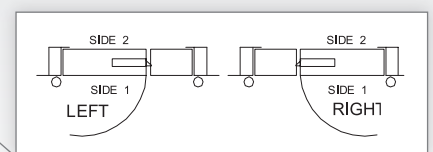
Designer: 24.4.2018 KM • Drwg no.: SA-27786 • Based on drwg no.: SA-20087G

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WHEN ORDERING PLEASE STATE:

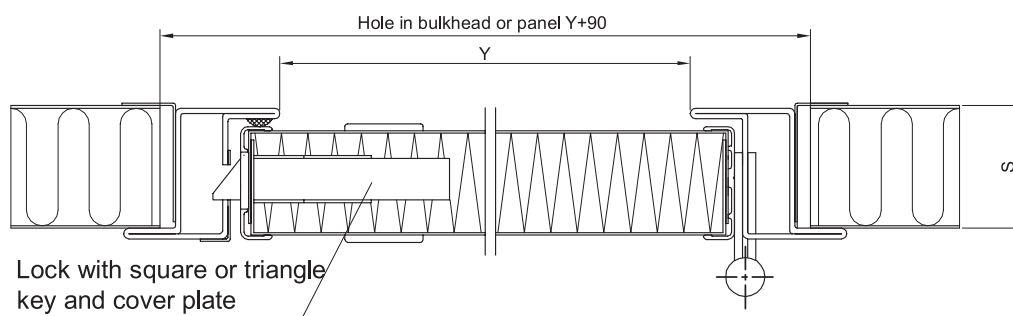
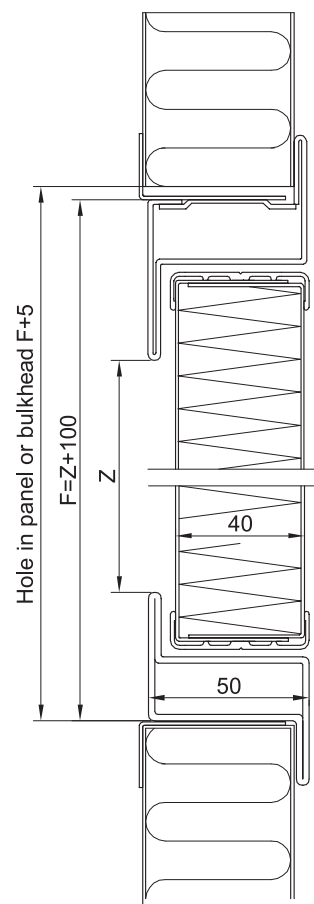
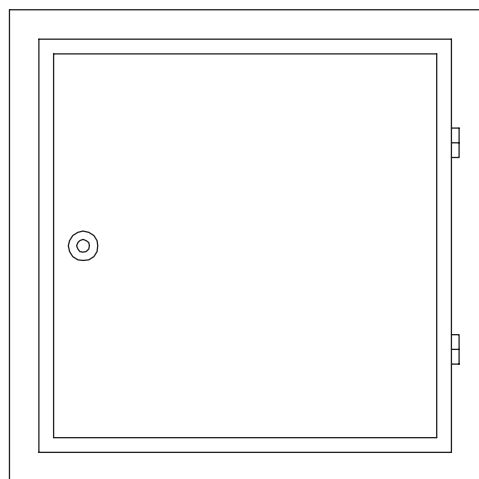
1. Flag authority
2. Dimensions Y, Z, T, S, C, PK
3. Top type
4. Opening direction
5. Door and frame finishing
6. Options
7. Frame opening
if not symmetric (Y1, Y2)



B-15 HATCH

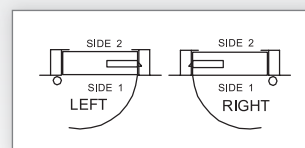
Designer: 3.5.2018 KM • Drwg no.: SA-27787 • Based on drwg no.: SA-22488

saajos



WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, S
3. Opening direction



A- AND B-CLASS SLIDING DOORS

STANDARD EXECUTION

- Door leaf, A-class:** 62 mm thick, made of Zn-coated steel plates, trim list fastened with stainless steel blind rivets, lock case, stainless steel recessed handles on both sides.
- Door leaf, B-class:** 52 mm thick, made of Zn-coated steel plates, trim list fastened with stainless steel blind rivets, lock case, stainless steel recessed handles on side 2, stainless steel standard handle on side 1.
- Frame:** Made of Zn-coated steel plate
- Drive systems:** Counter weight operated doors, including counter weight system and pneumatic retarder with adjusting valve for the closing speed.
Power operated doors with electric drive system.
- Max frame opening:**
- A-class door 2480 x 2382 mm
 - B-class door 1308 x 2396 mm

TYPICAL OPTIONS:

- Door leaf:** PVC-coated steel plate, self adhesive flexible film, stainless steel plate, decore, laminate, trim lists of stainless steel
- Frame:** Stainless steel frame
- Accessories A-class:**
- hose port
 - stainless steel cover plate
- For normally open counter weight door:**
- magnet
 - local release switches
 - indication switch
 - alarm unit for remotely released door
- For normally closed counter weight door:**
- fitting for locking cylinder
- Accessories B-class:**
- magnet
 - local release switch
 - low-profile handle mounted on side 1
 - fitting for locking cylinder
 - ventilation grill

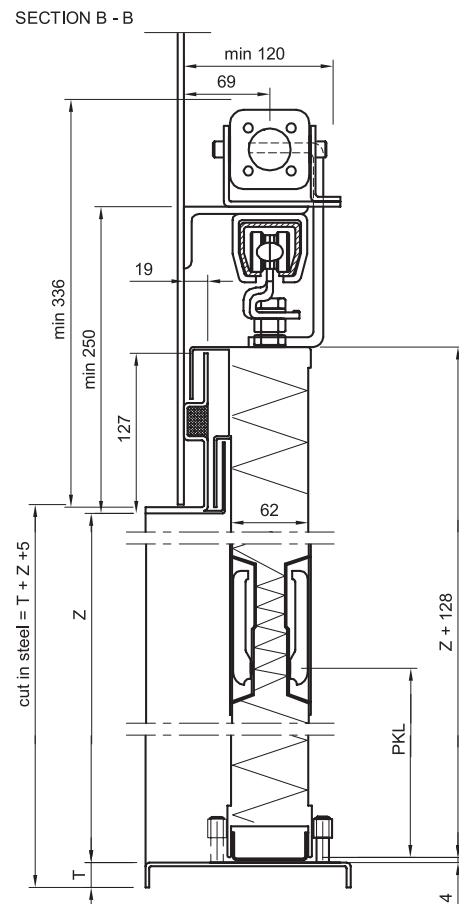
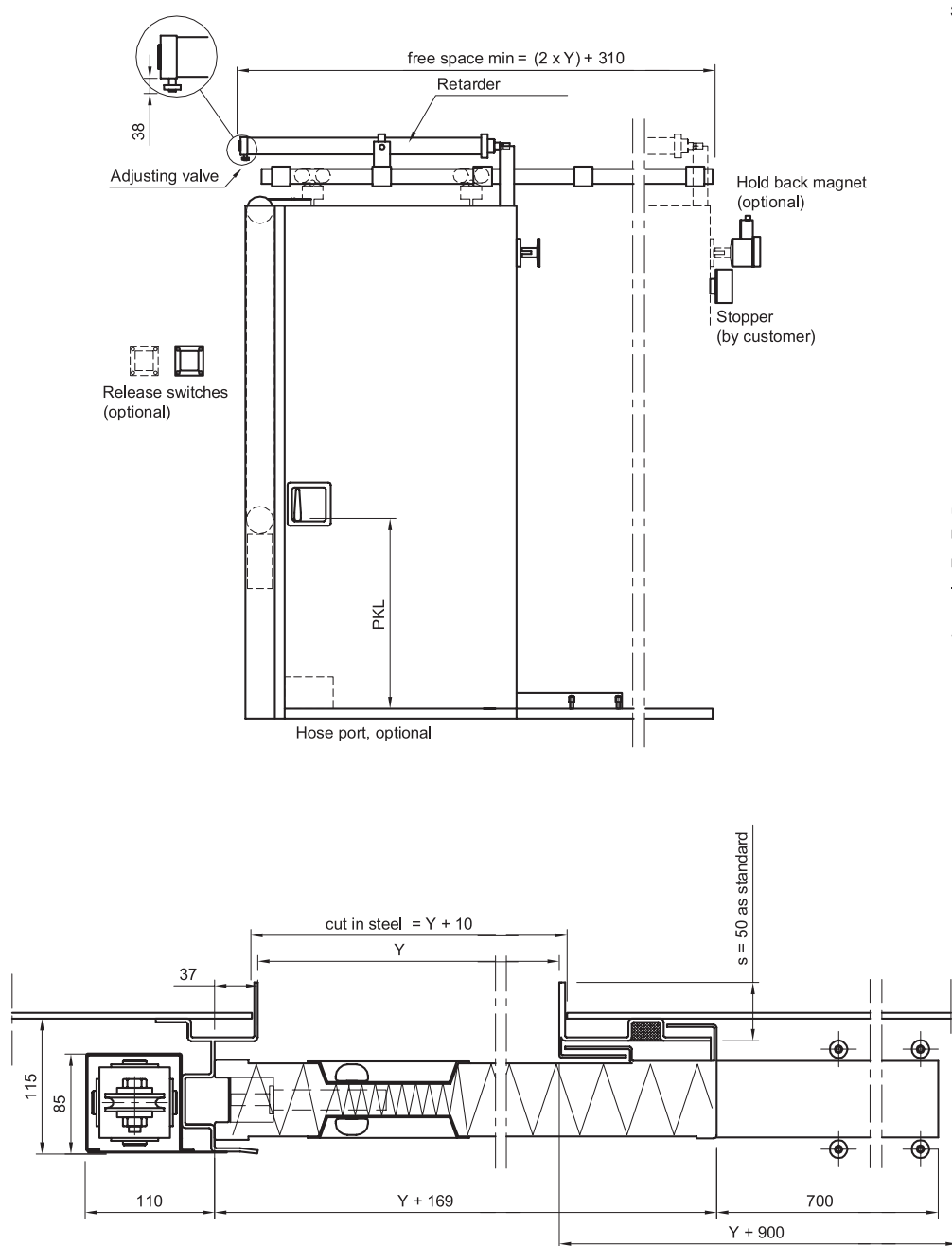


A-60 SINGLE LEAF MARINE SLIDING FIRE DOOR

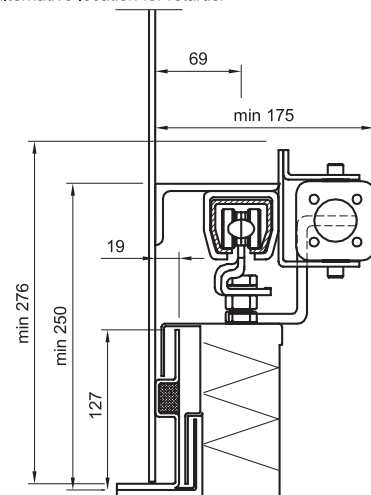
With counter weight system • Max. recommended frame opening size. 1000 x 2200 (Y x Z)

Designer: 4.5.2018 KM • Drwg no.: SA-27788 • Based on drwg no.: 3-19598A

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Alternative location for retarder

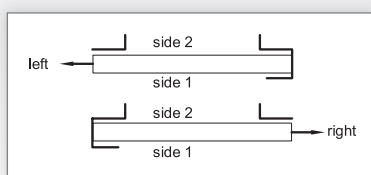


NOTE!

Service hatches for adjusting valve, hold back magnet, retarder and counter weight as well as a stopper are necessary.

WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, PKL, S, T
3. Opening direction
4. Location of retarder
5. Options

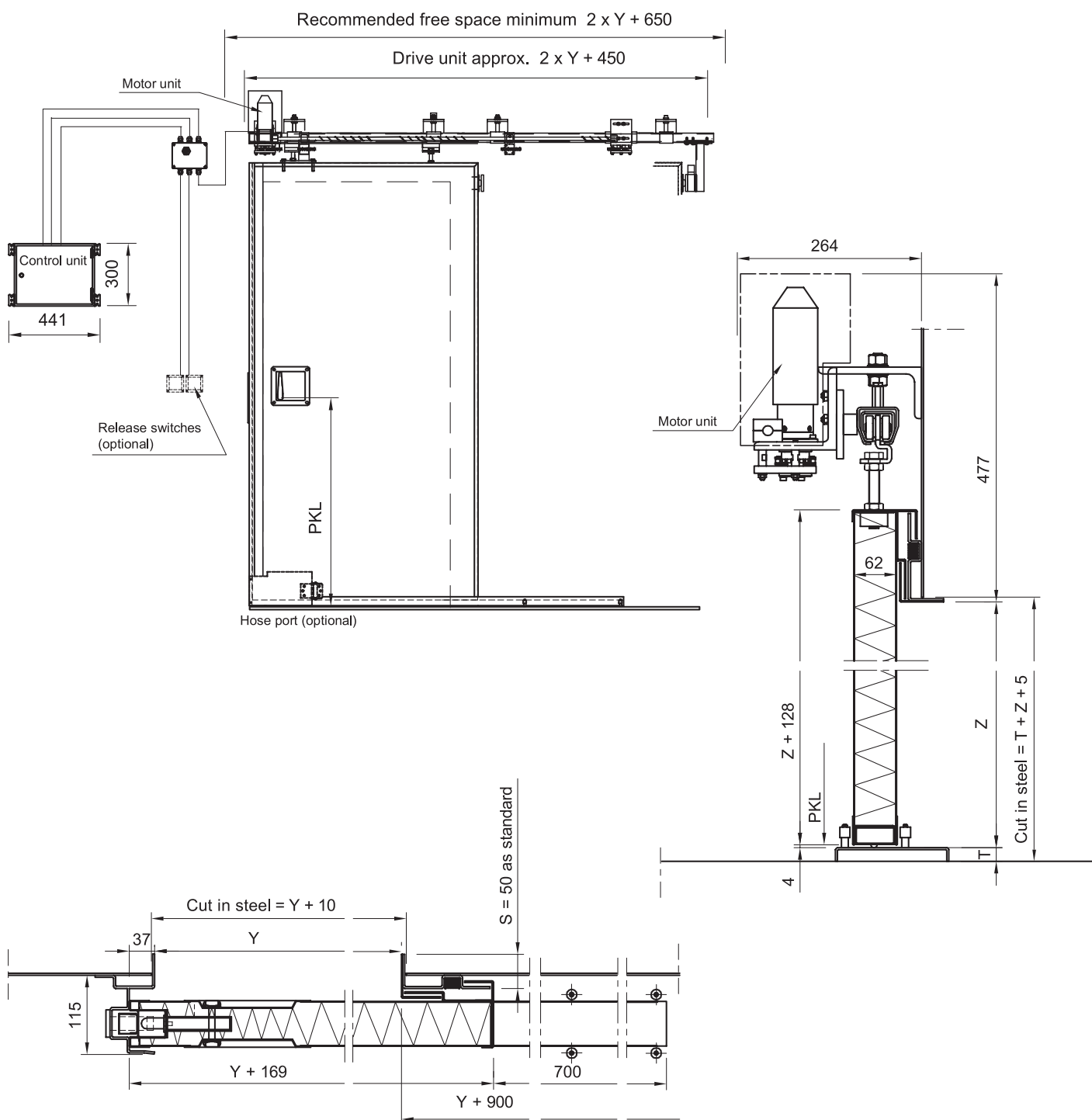


A-60 SINGLE LEAF MARINE SLIDING FIRE DOOR

With electric door drive system • Max. frame opening size 2480 x 2382 (Y x Z)

Designer: 4.5.2018 KM • Drwg no.: SA-27789 • Based on drwg no.: 3-19598A

saajos

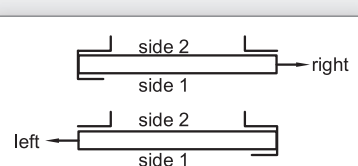


NOTE!

A service hatch for the electric door drive system is necessary. Other motor positions are available.

WHEN ORDERING PLEASE STATE:

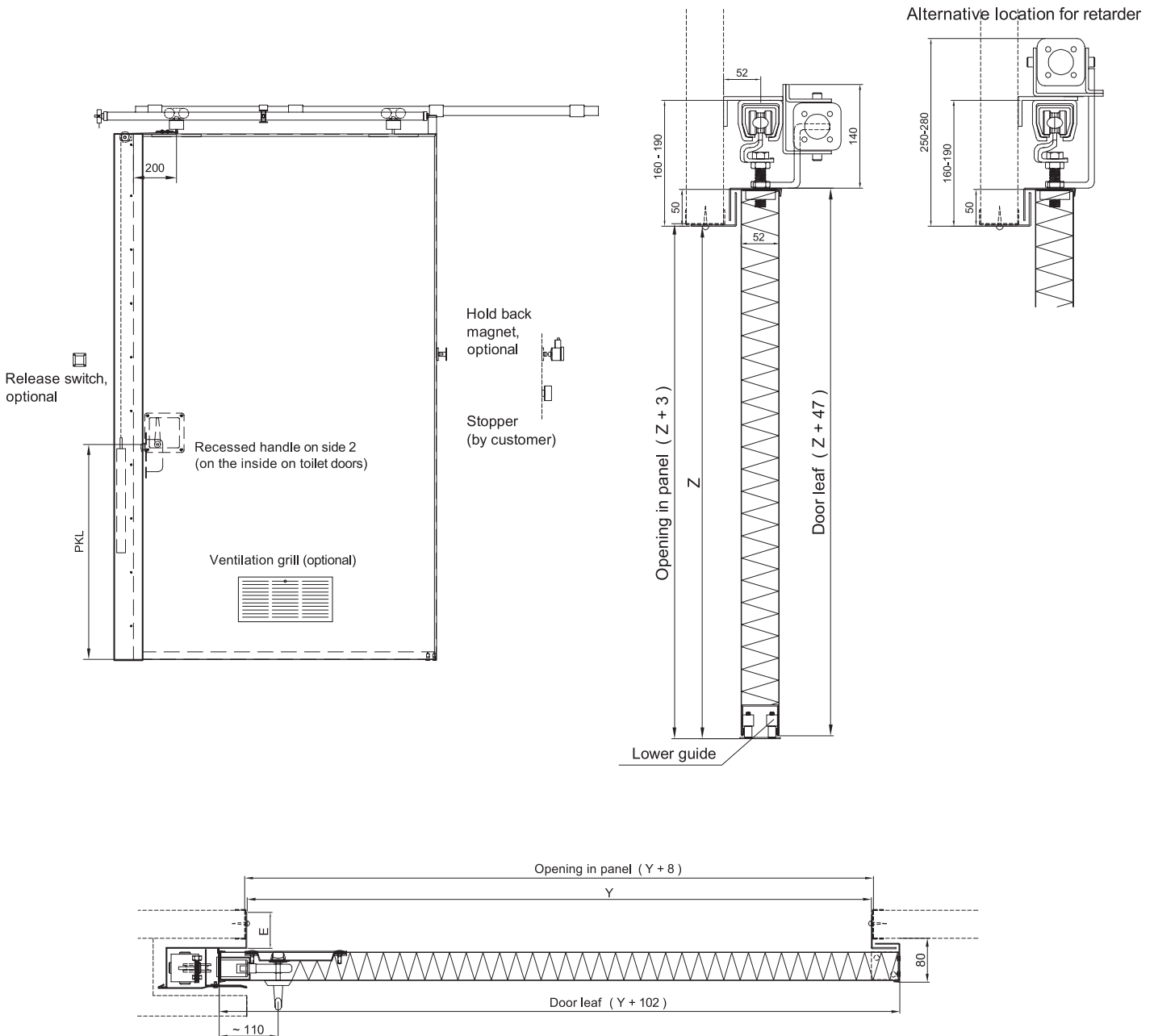
1. Flag authority
2. Dimensions Y, Z, PKL, S, T
3. Opening direction
4. Options



B-15 SINGLE LEAF MARINE SLIDING FIRE DOOR

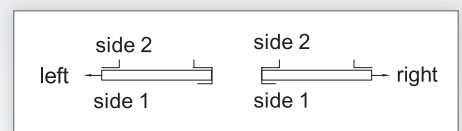
With counter weight system • Max. frame opening size 1308 x 2396 (Y x Z)
 Designer: 4.5.2018 KM • **Drwg no.: SA-27790** • Based on drwg no.: SA-20971D

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WHEN ORDERING PLEASE STATE:

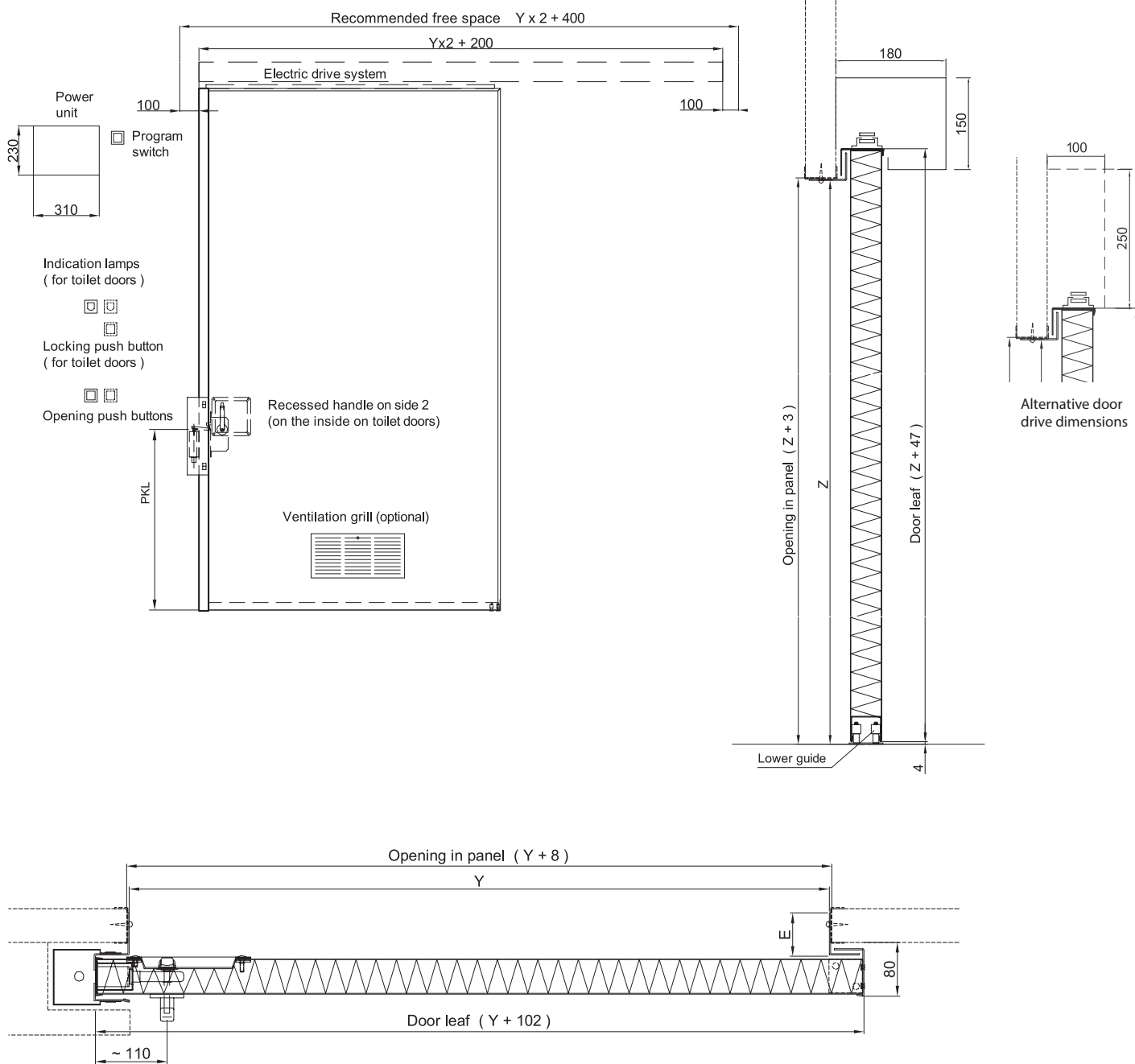
1. Flag authority
2. Dimensions Y, Z, PKL, E
3. Opening direction
4. Options



B-15 SINGLE LEAF MARINE SLIDING FIRE DOOR

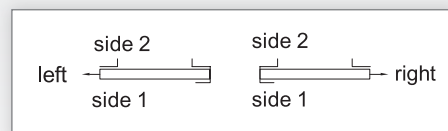
With electric door drive system • Max. frame opening size 1308 x 2396 (Y x Z)
 Designer: 4.5.2018 KM • **Drwg no.: SA-27791** • Based on drwg no.: SA-20971D

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WHEN ORDERING PLEASE STATE:

1. Flag authority
2. Dimensions Y, Z, PKL, E
3. Opening direction
4. Options



C-CLASS DOORS

STANDARD EXECUTION

Door leaf:	Single, double, sliding Non-combustible material
Frame:	Non-combustible material
Sill:	Non-combustible material
Hinges:	Non-combustible material

TYPICAL OPTIONS

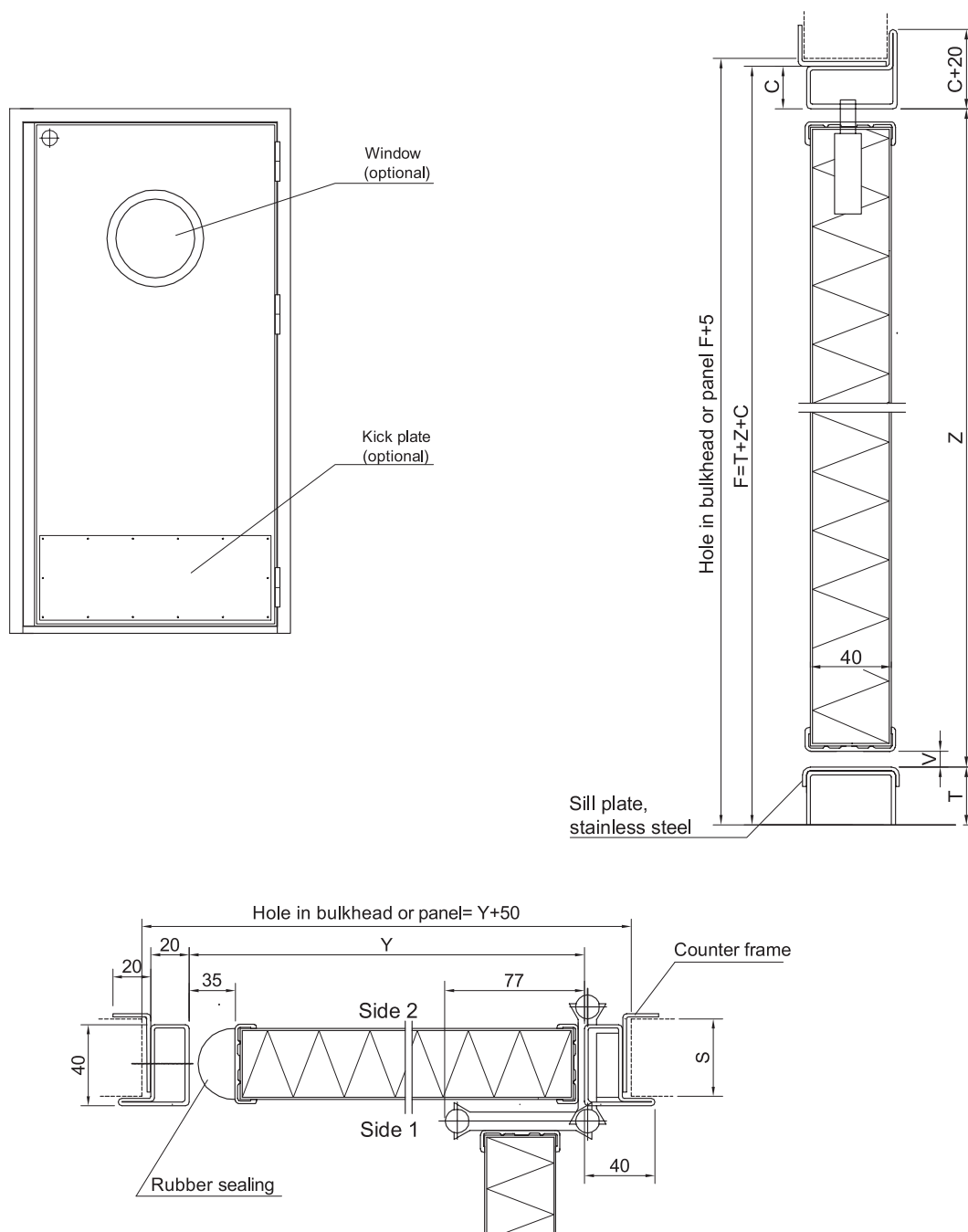
Door leaf:	PVC-coated steel plate, self adhesive flexible film, decorative laminate, stainless steel plate, trim lists of stainless steel, aluminium (anodized)
Frame:	Painted to standard RAL-colour, stainless steel, aluminium (anodized)
Accessories:	<ul style="list-style-type: none">• lock case• handles• escutcheons• locking cylinder• ventilation grill• kick out panel• door closers• panic bar• frame with rubber gasket• kick plate• embossed design• window ø 300 mm, ø 350 mm



SWING DOOR

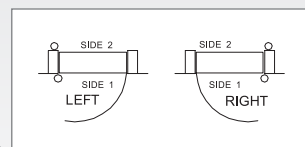
Designer: 4.5.2018 KM • Drwg no.: SA-27792

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WHEN ORDERING PLEASE STATE:

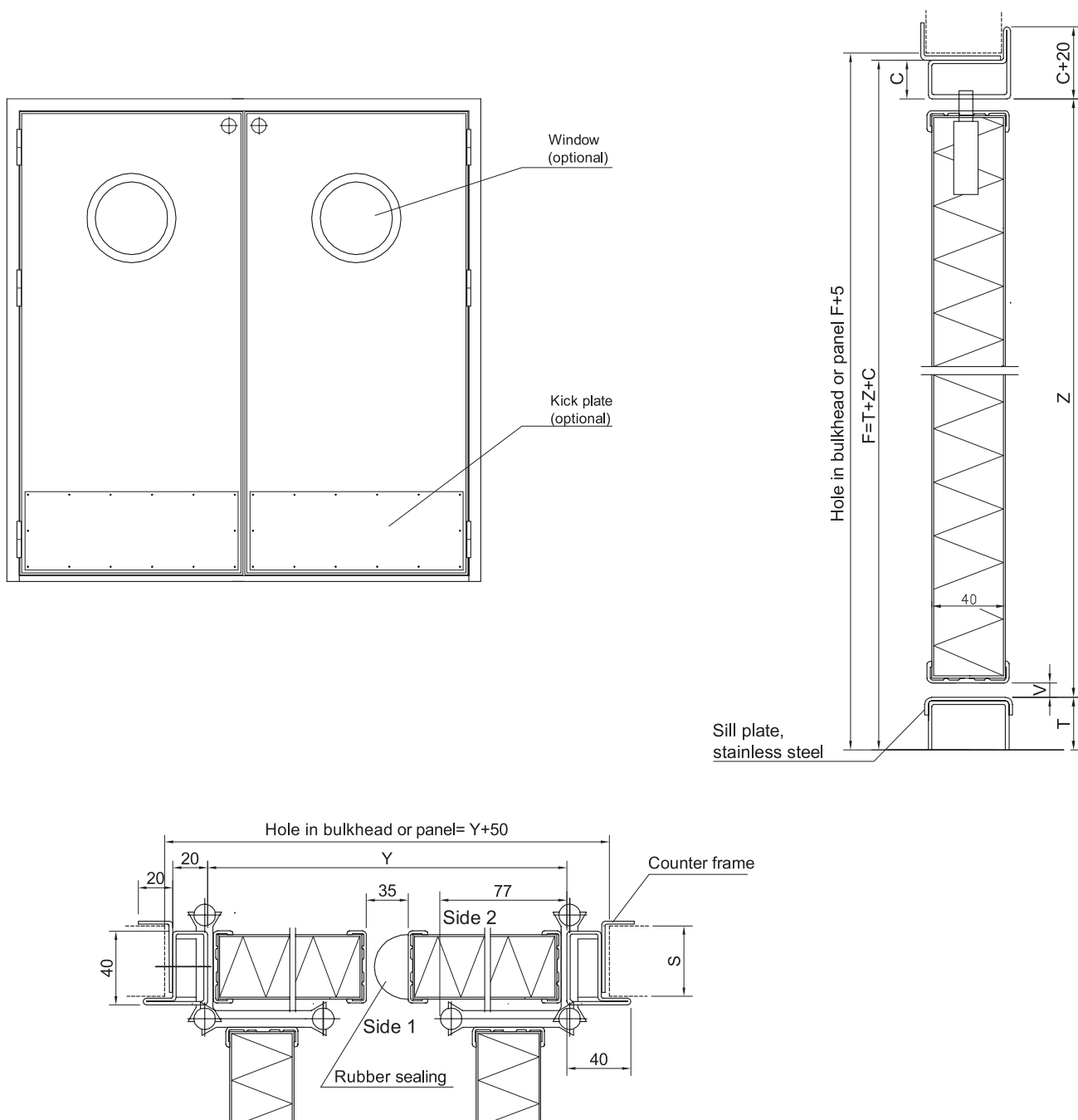
1. Dimensions Y, Z, T, S, C, V
2. Opening direction
3. Options



DOUBLE SWING DOOR

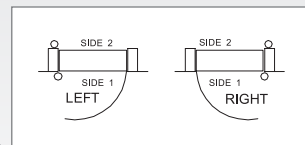
Designer: 4.5.2018 KM • Drwg no.: SA-27793

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WHEN ORDERING PLEASE STATE:

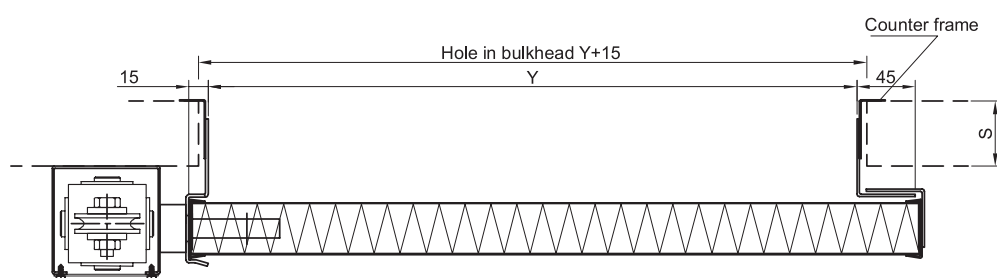
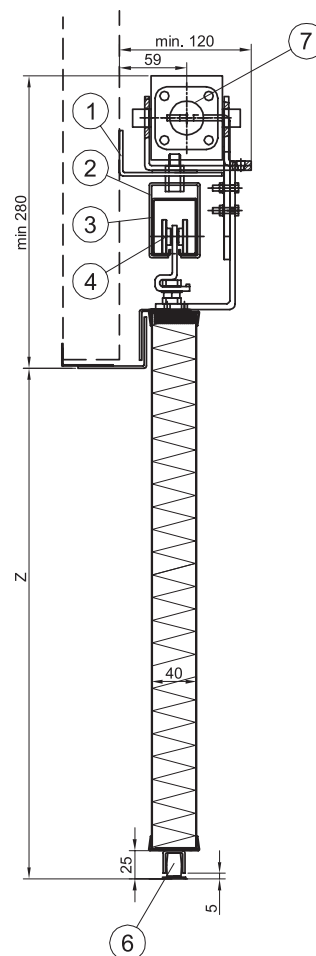
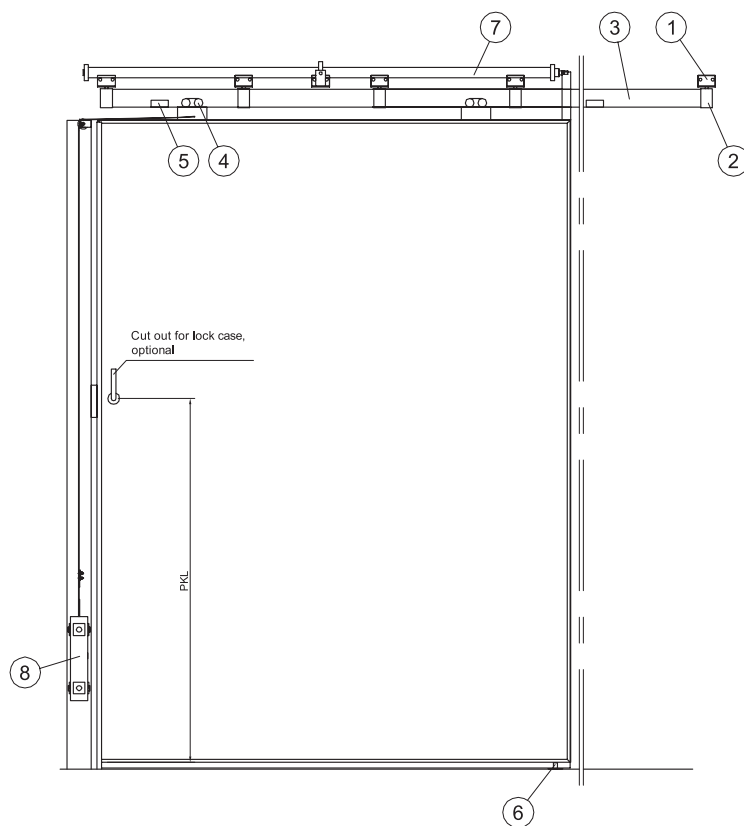
1. Dimensions Y , Z , T , S , C , V
2. Opening direction
3. Options



C-CLASS SLIDING DOOR

Designer: 4.5.2018 KM • Drwg no.: SA-27794

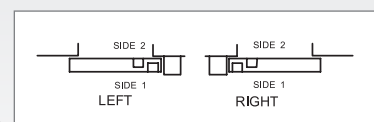
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1	Fixing bracket for wall
2	Fixing bracket for track
3	Track
4	Hanger
5	Stop for hanger
6	Guide
7	Retarder (optional)
8	Counterweight (optional)

WHEN ORDERING PLEASE STATE:

1. Dimensions Y, Z, S, PKL
2. Opening direction
3. Options
4. Location of possible retarder

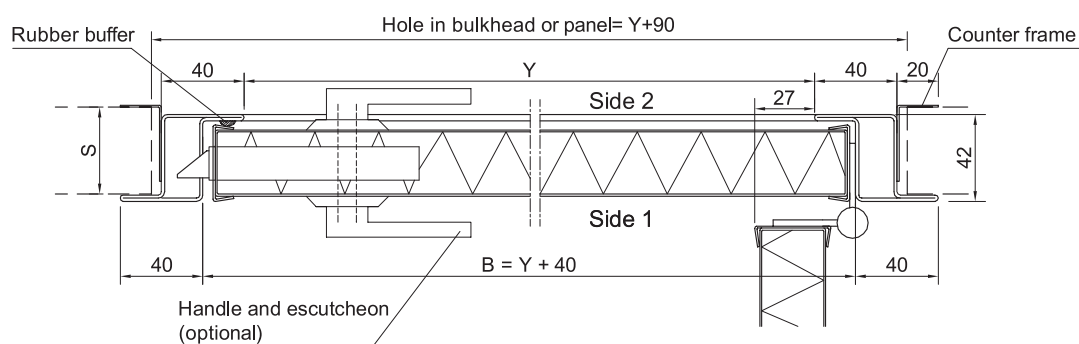
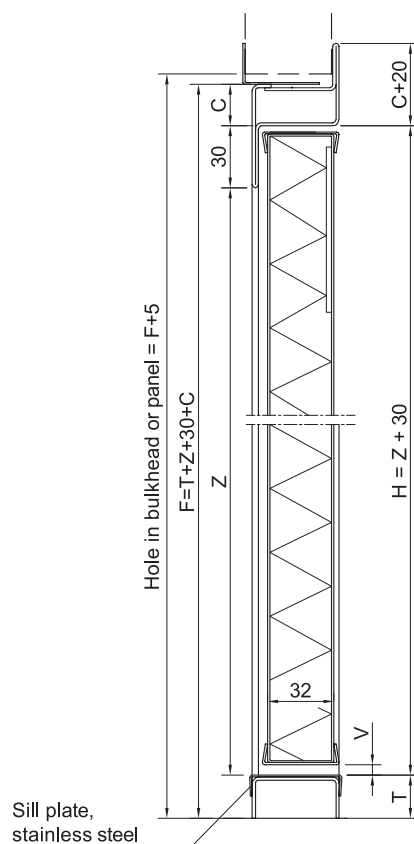
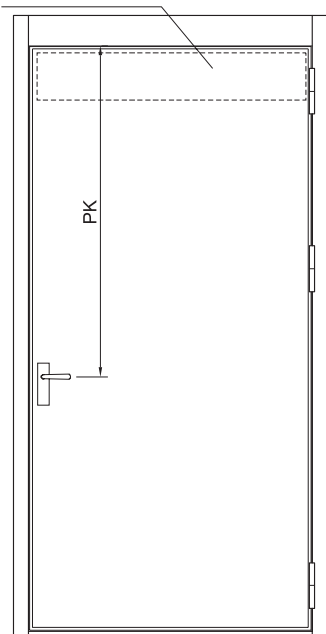


C-CLASS 32 MM SINGLE HINGED DOOR

Designer: 3.5.2018 KM • Drwg no.: SA-27795

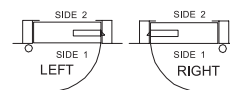
saajos

Reinforcement for door
closer and counter plate
of magnet on side 1



WHEN ORDERING PLEASE STATE:

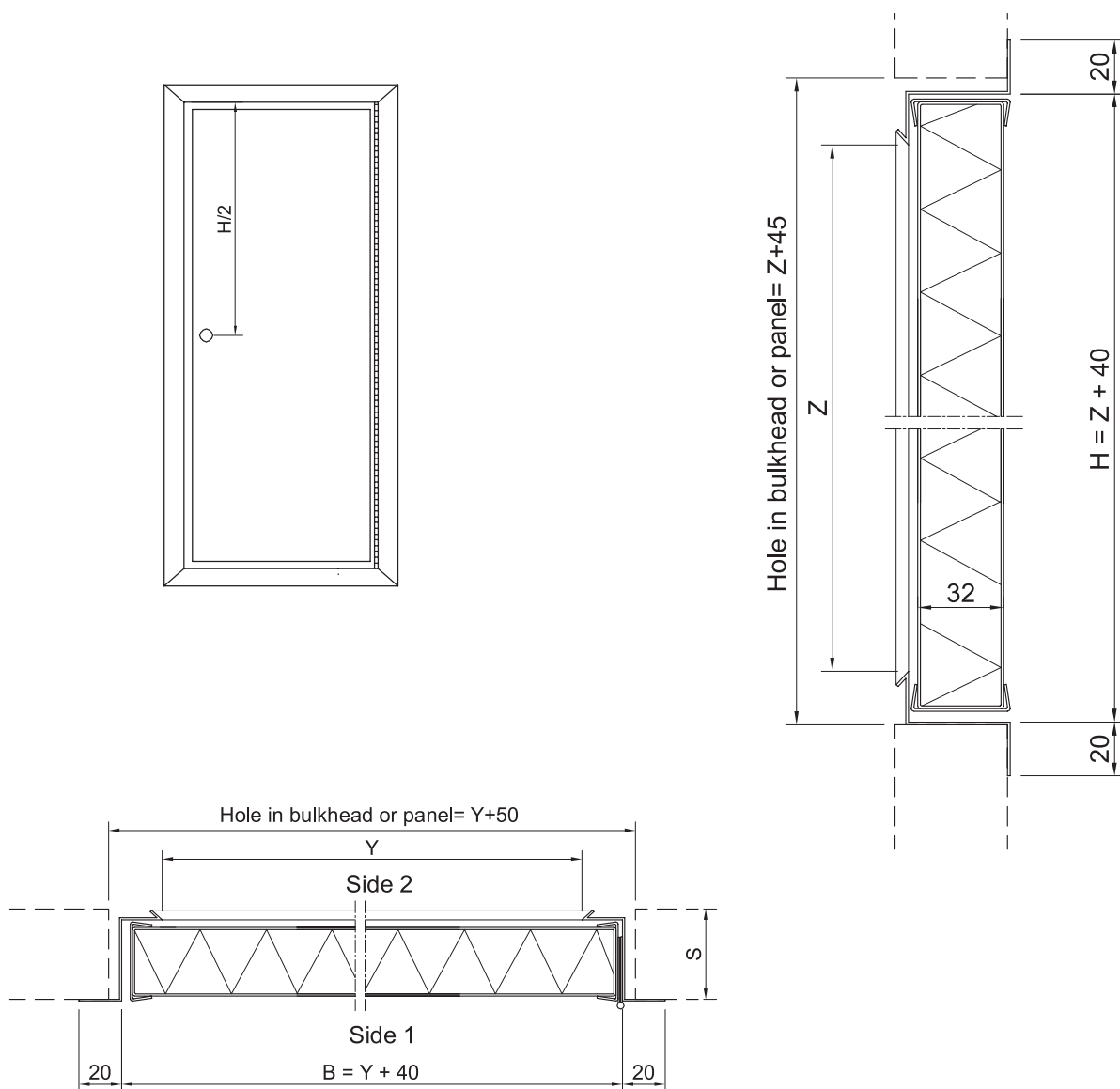
1. Dimensions Y, Z, T, S, C, PK
2. Opening direction
3. Options



C-CLASS MARINE HATCH

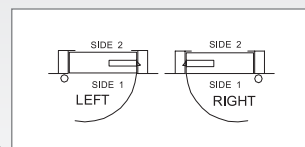
Designer: 4.5.2018 KM • Drwg no.: SA-27796

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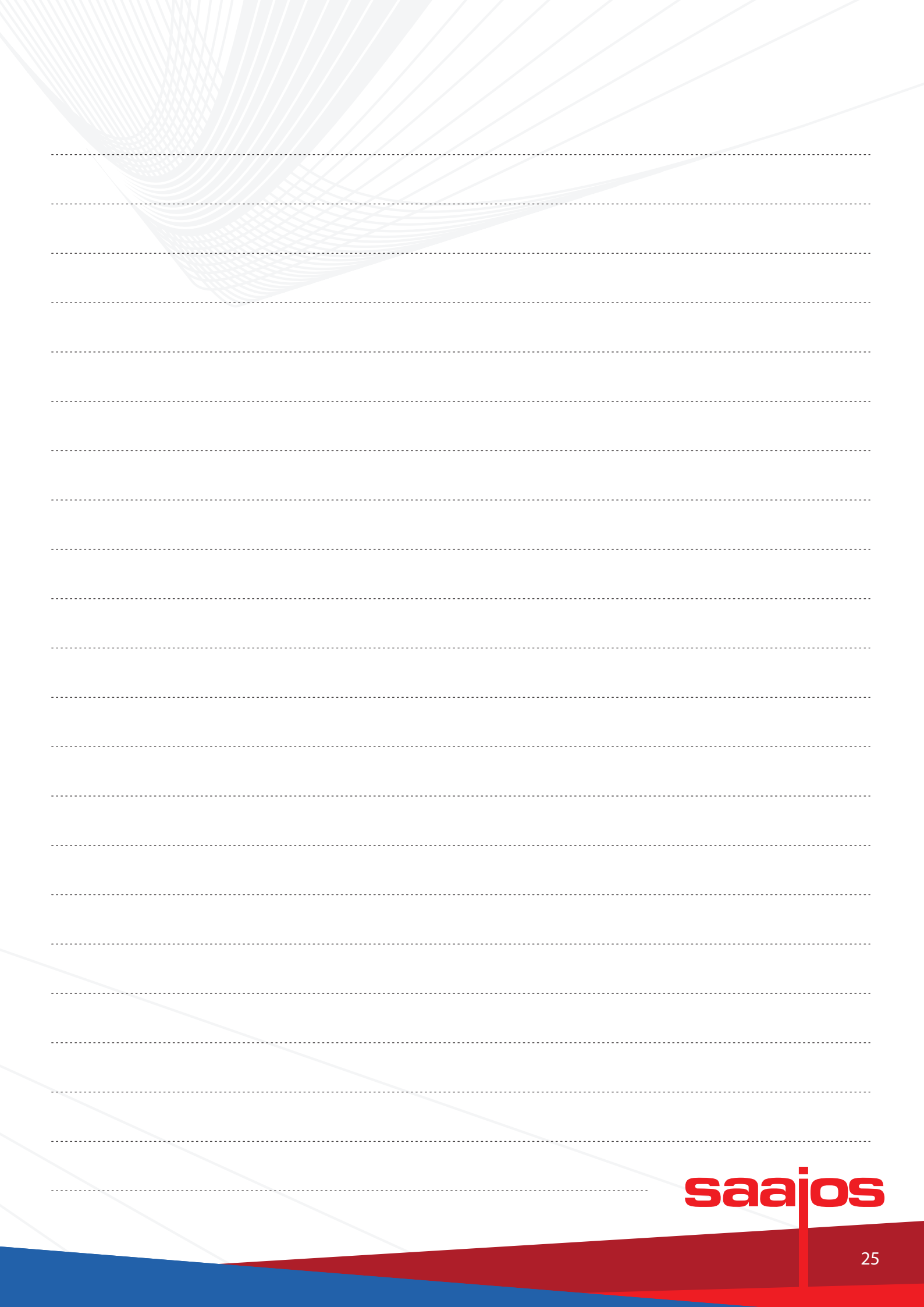


WHEN ORDERING PLEASE STATE:

1. Dimensions Y, Z, S
2. Opening direction
3. Options



NOTES:



Handwriting practice lines consisting of 20 horizontal dotted lines.

NOTES:



THE WAY YOU WANT

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THE WAY YOU WANT

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