

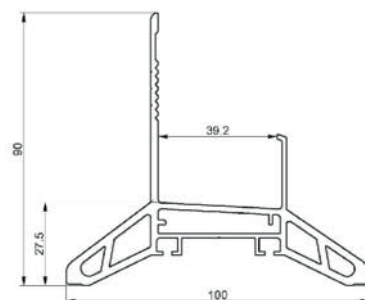
FF Addition information

SafeStep Manual

1

If treshold profile 1041L is used:

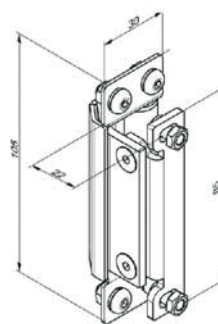
- Length: B1-2mm from bottom
- Length: B2-2mm from bottom
- Length: B3-2mm from bottom
- Length: B4-2mm from bottom



2

If hinge 1034HI is used:

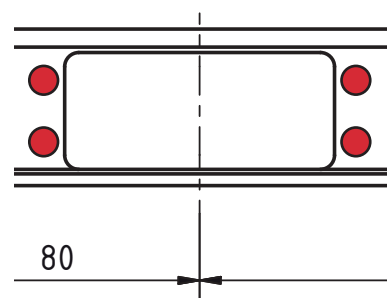
- Length: B5+3mm
- Length: B7+3mm
- Length: T5+3mm
- Length: L5+3mm



3

If round indicated holes are Ø6,5:

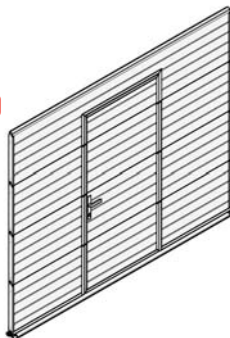
- Use M5 bolts & nuts to place hinge



SafeStep

40mm Thyssen panels with:

- external strut (80PS),
- or internal strut (1033PS),
- two piece threshold (1041LTB & 1041U)
- adjustable internal hinges (1034HS)



see additional information page,
for information about other product versions.

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1

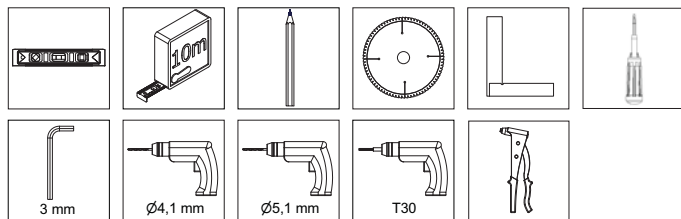
picture index

general information	pic. 3
sections	
bottom section	pic. 10
middle section	pic. 37
top section - 80PS strut	pic. 54
top section - 1033PS strut	pic. 70
total door assembly	pic. 88
lock assembly	pic. 105
door pusher assembly	pic. 118
1033B	pic. 122
maintenance	pic. 124
appendix	pic. 126

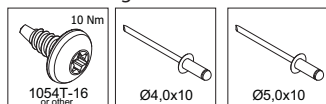
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2

Needed tools



Needed fixing materials



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3

Used symbols



TANGENT - lines and/or surfaces are tangent with each other



PERPENDICULAR - lines and/or surfaces are at a 90° angle with each other



INLINE - lines and/or surfaces are inline with each other



PARALLEL - lines and/or surfaces are parallel with each other



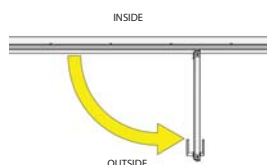
EQUAL - lines and/or surfaces are equal to each other

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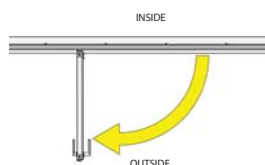
4

This manual is based on a RIGHT HANDED DOOR!
(width 840mm)

RIGHT HANDED DOOR



LEFT HANDED DOOR

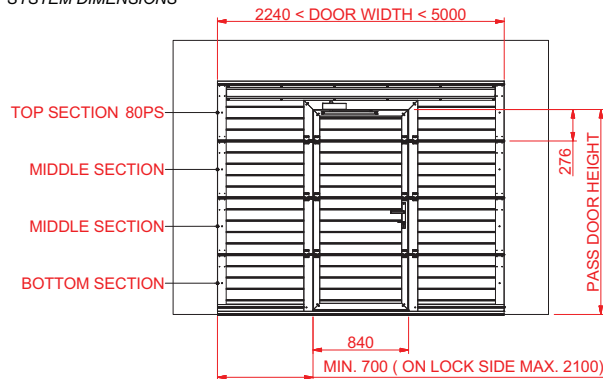


MAX. OPENING ANGLE 90°

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5

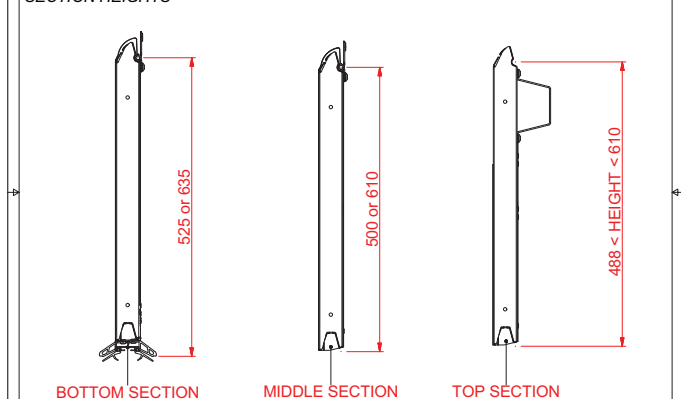
PASS DOOR WITH 80PS STRUT SYSTEM DIMENSIONS



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6

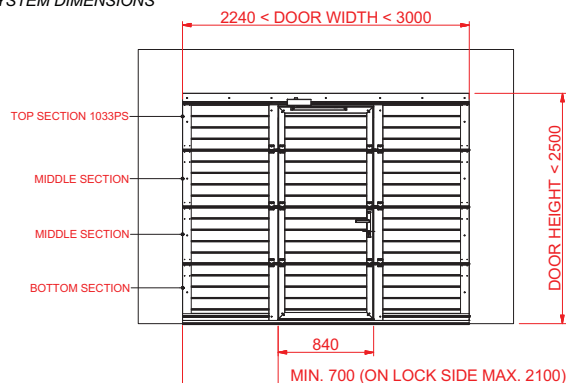
PASS DOOR WITH 80PS STRUT SECTION HEIGHTS



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7

PASS DOOR WITH 1033PS STRUT SYSTEM DIMENSIONS

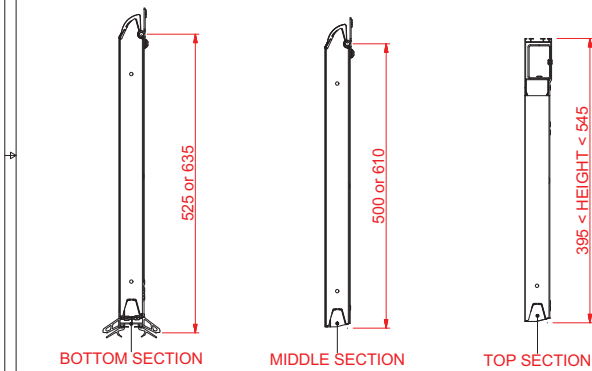


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8

PASS DOOR WITH 1033PS STRUT
SECTION HEIGHTS

Top kits are made for max. section height.
For other heights sawing of parts is needed.
See drawing no.: 58 148 810 & 58 149 810.



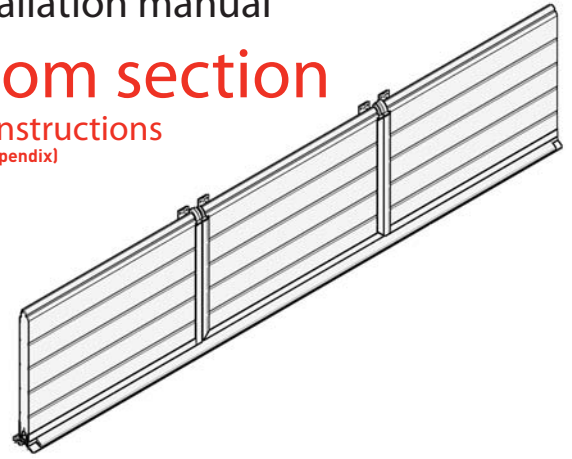
58 160 993 rev. 10-12-2013

9

FF Installation manual

bottom section

sawing instructions
(drawings in appendix)

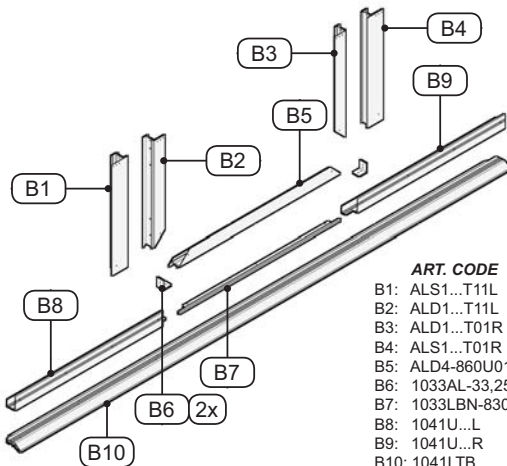


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10



1 2



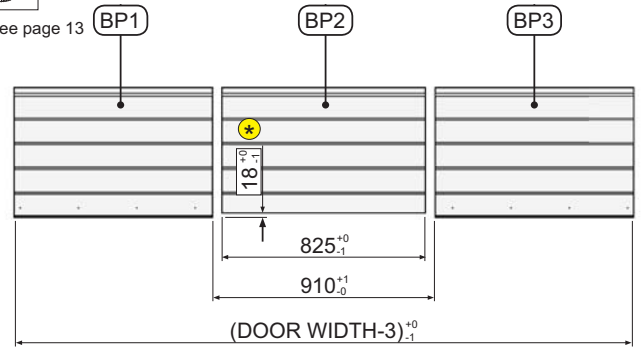
ART. CODE	DRAWING
B1: ALS1...T11L	58 148 310
B2: ALD1...T11L	58 149 310
B3: ALD1...T01R	58 149 310
B4: ALS1...T01R	58 148 310
B5: ALD4-860U01	58 149 140
B6: 1033AL-33,25	58 187 101
B7: 1033LBN-830	58 226 101
B8: 1041U...L	58 194 101
B9: 1041U...R	58 194 101
B10: 1041LTB...	58 195 101

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11

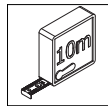


See page 13



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12



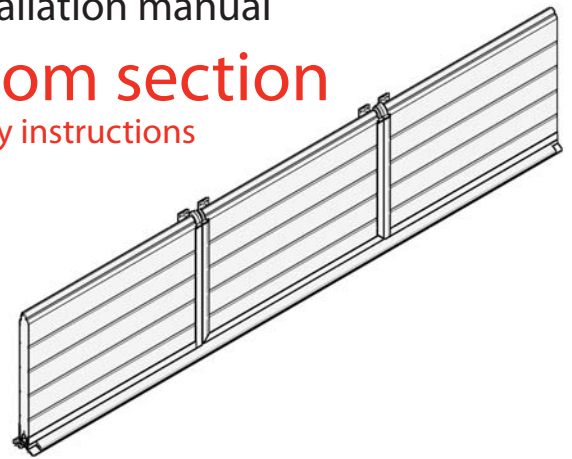
58 160 993 rev. 10-12-2013

13

FF Installation manual

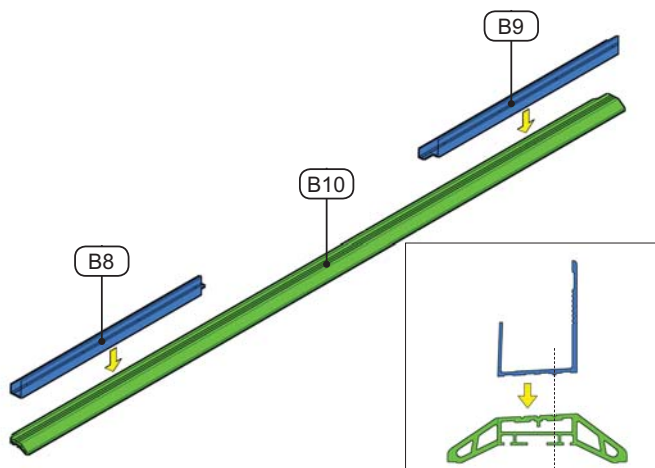
bottom section

assembly instructions



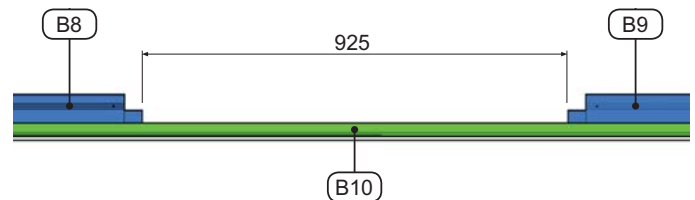
58 160 993 rev. 10-12-2013

14



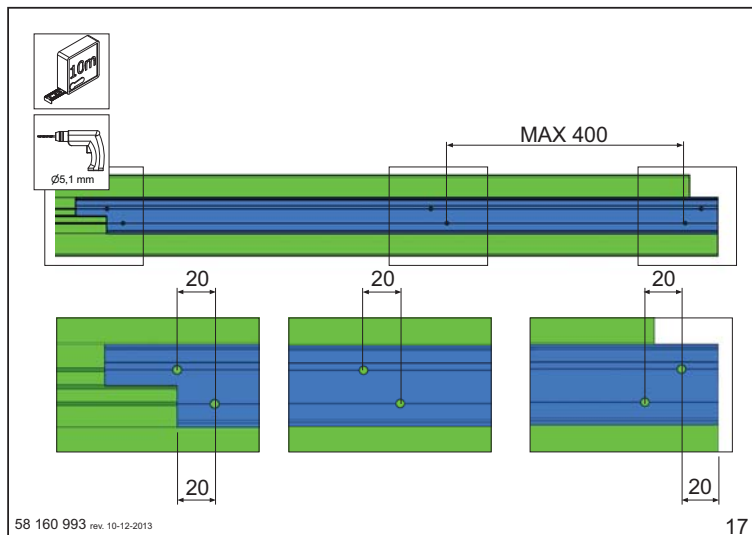
58 160 993 rev. 10-12-2013

15

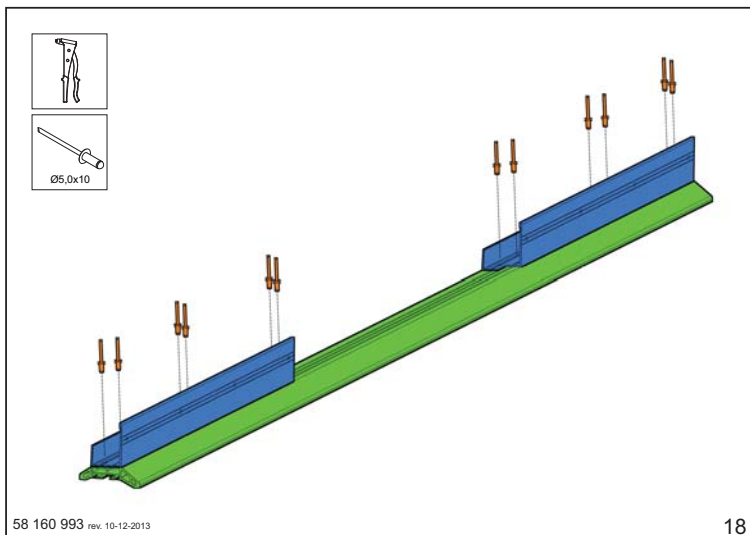


58 160 993 rev. 10-12-2013

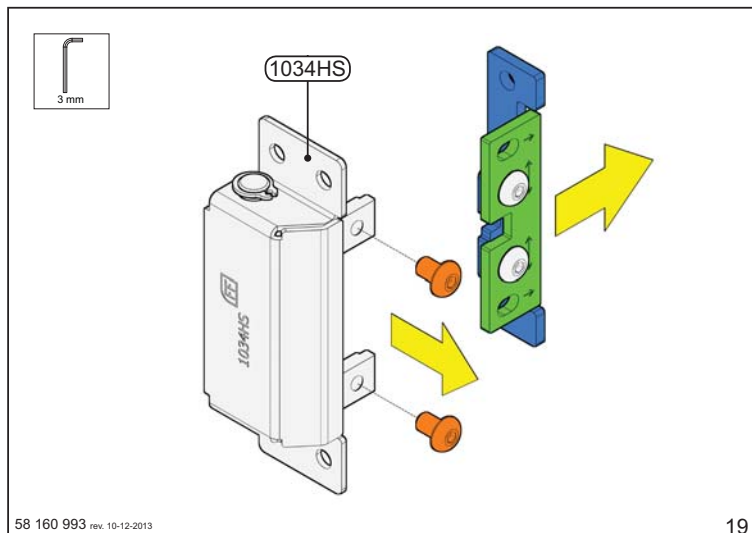
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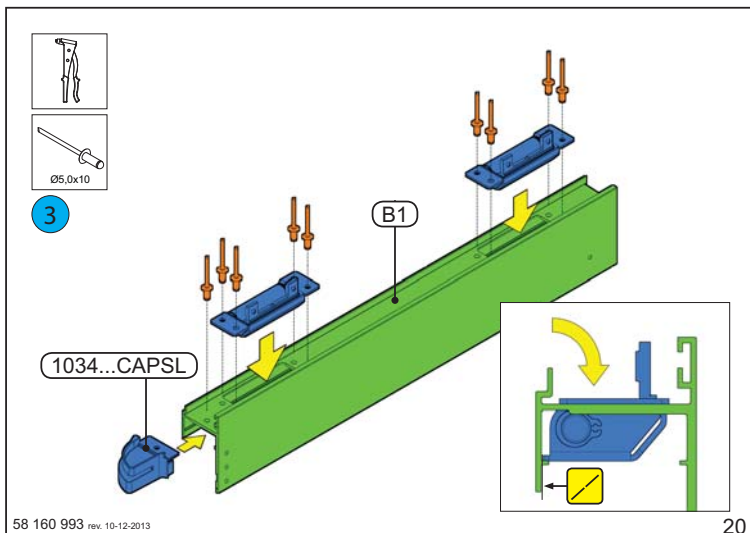
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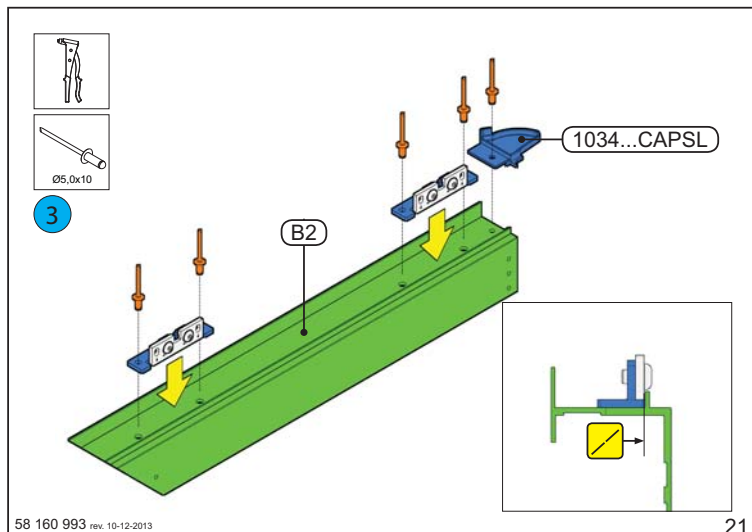
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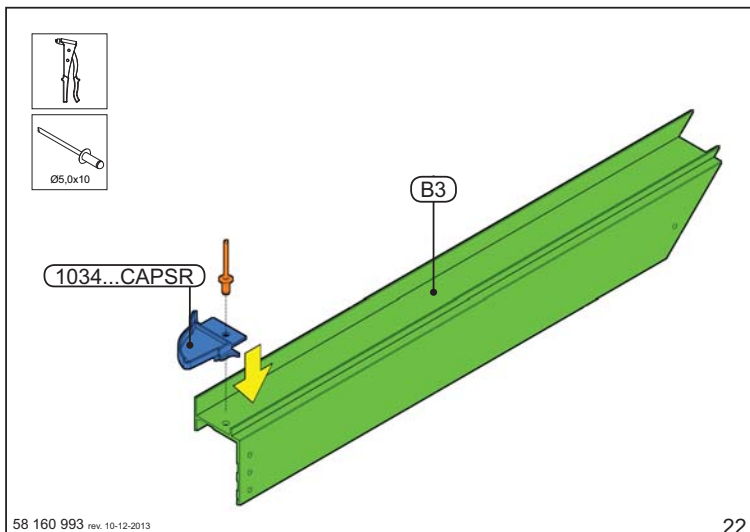
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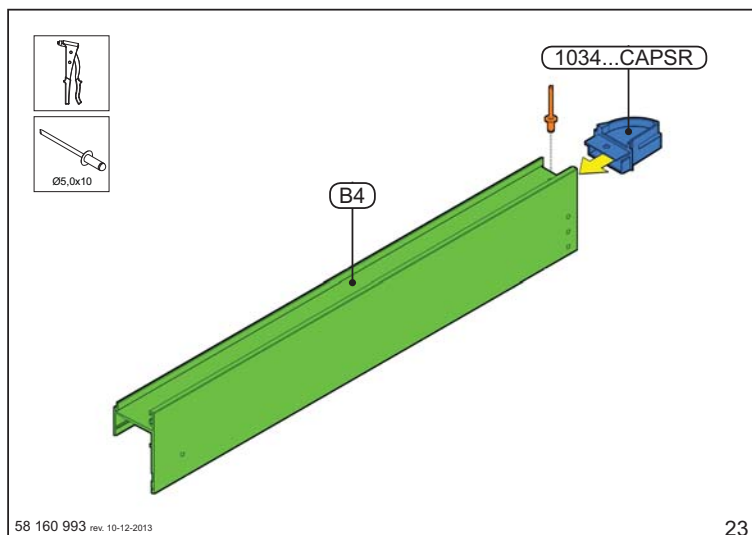
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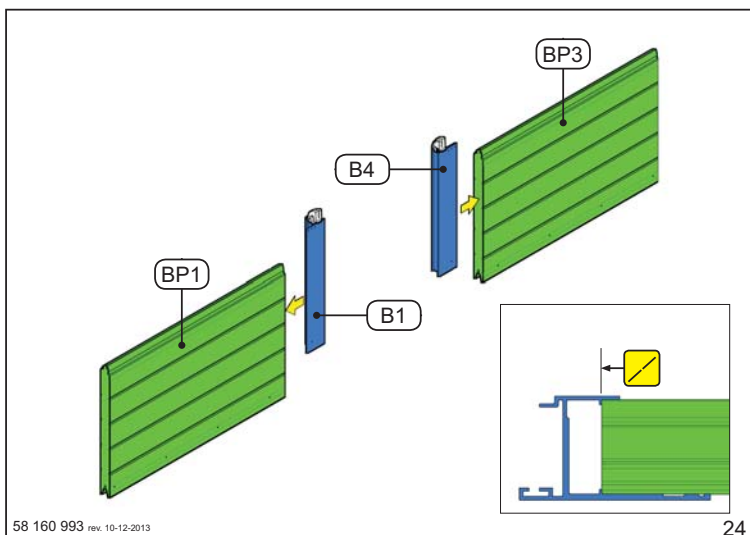
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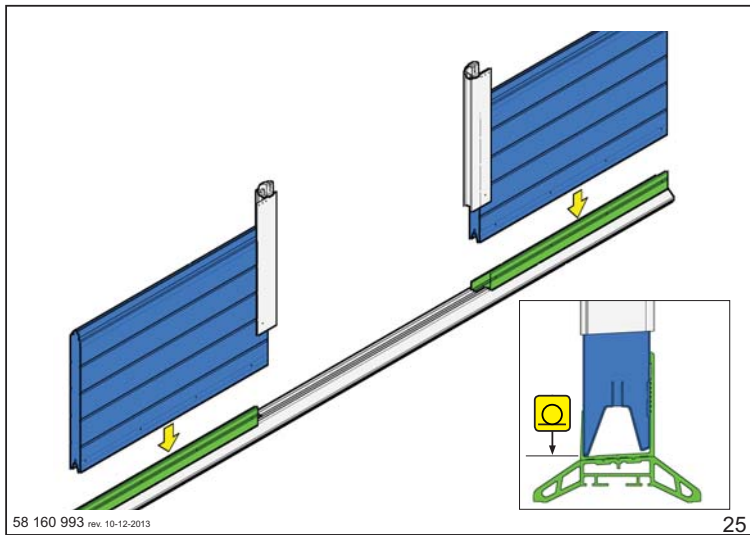
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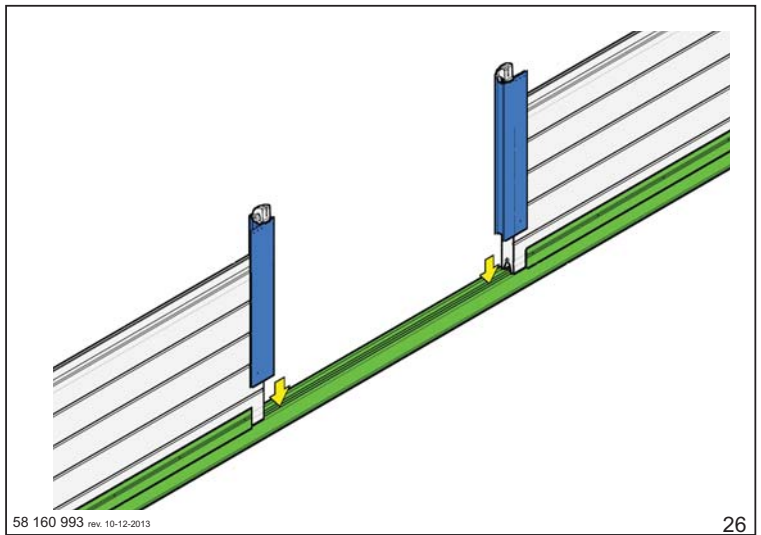
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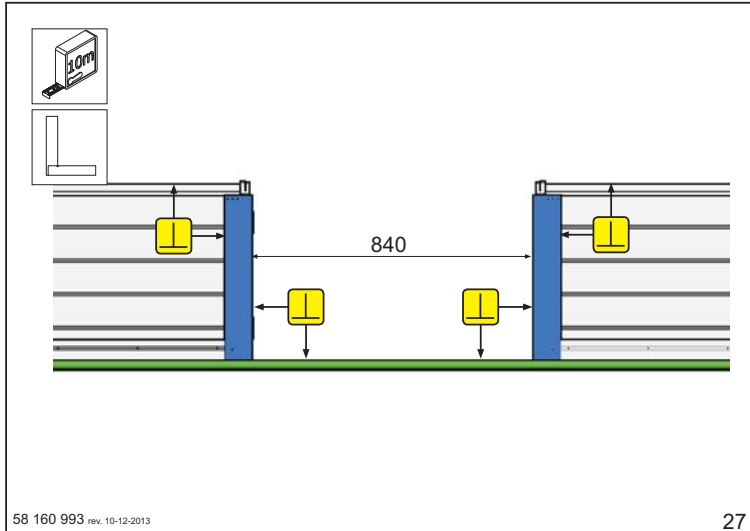
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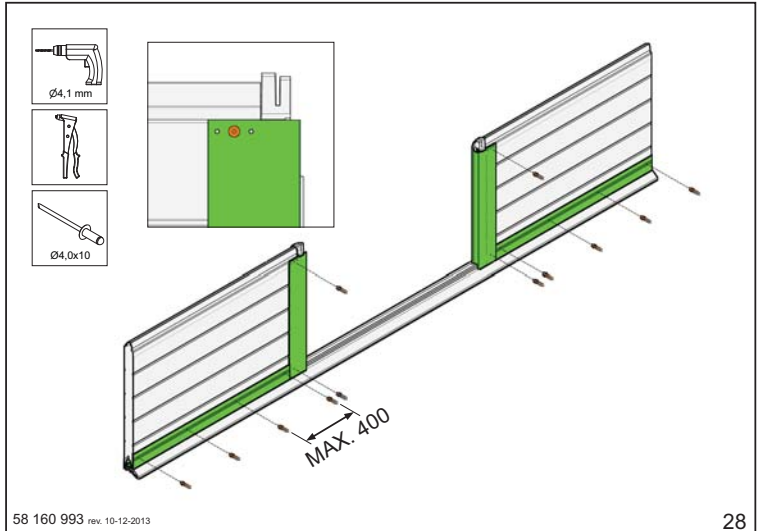
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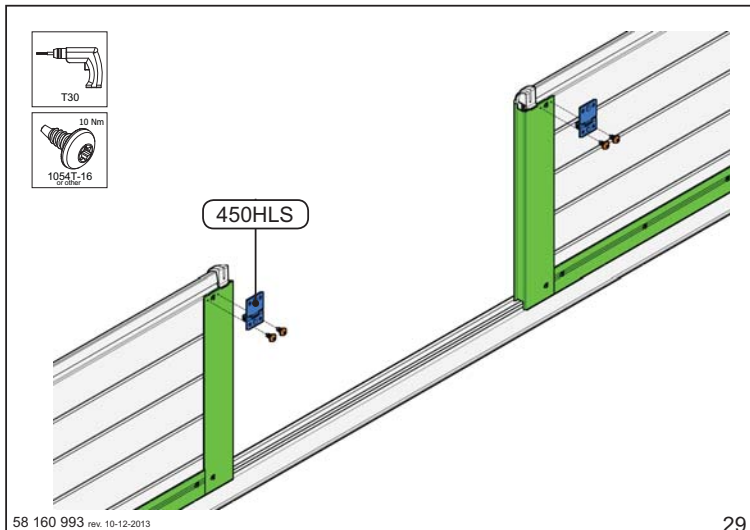
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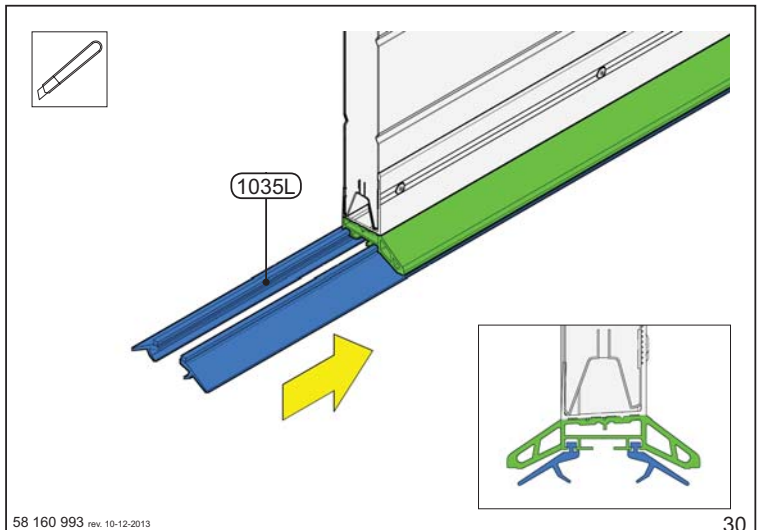
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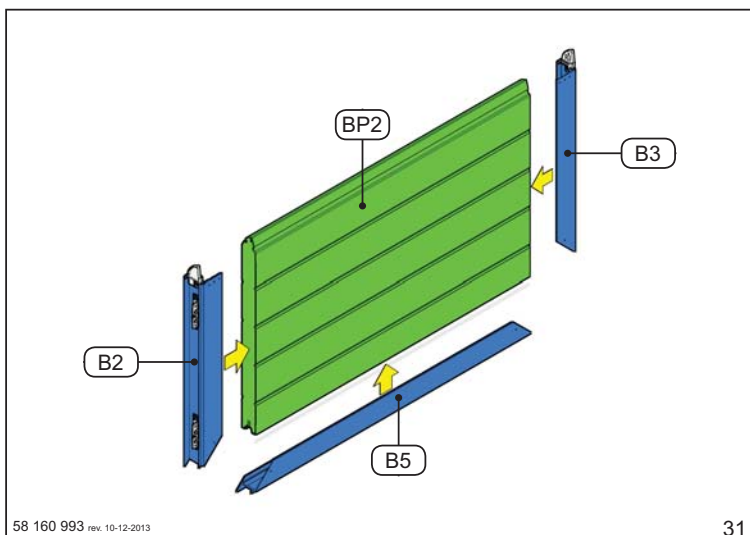
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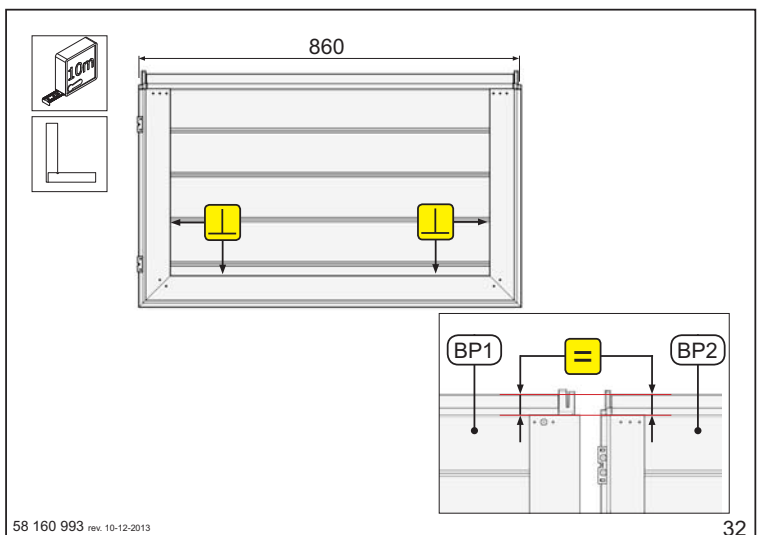
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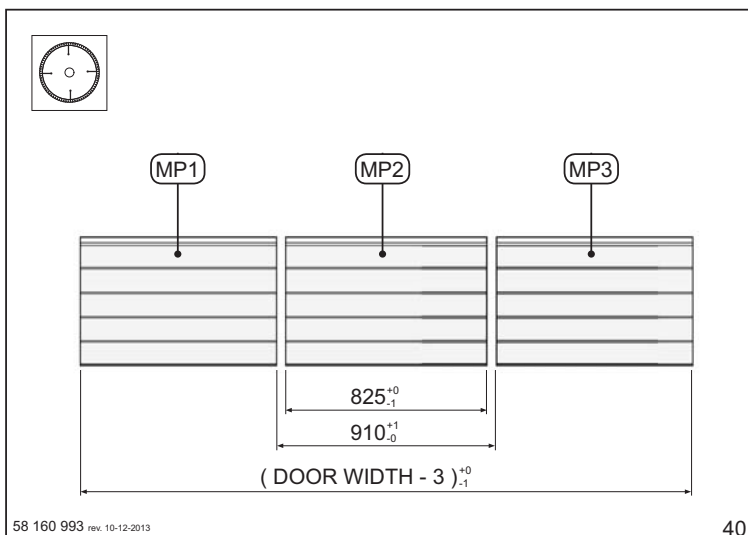
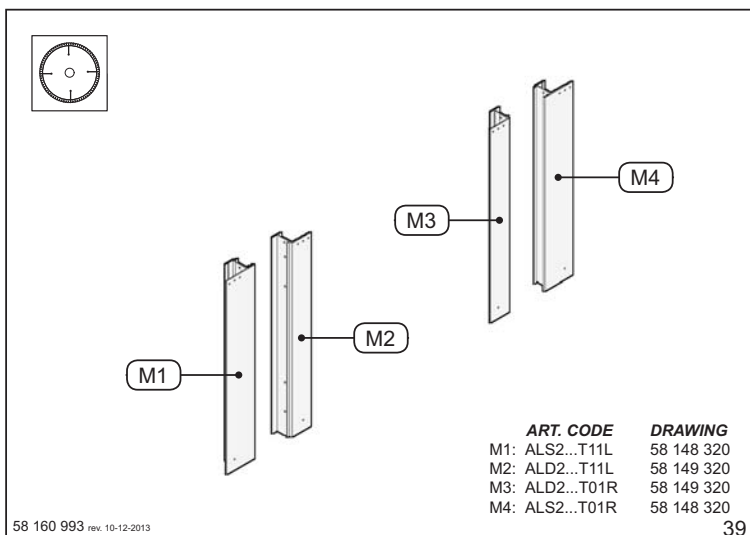
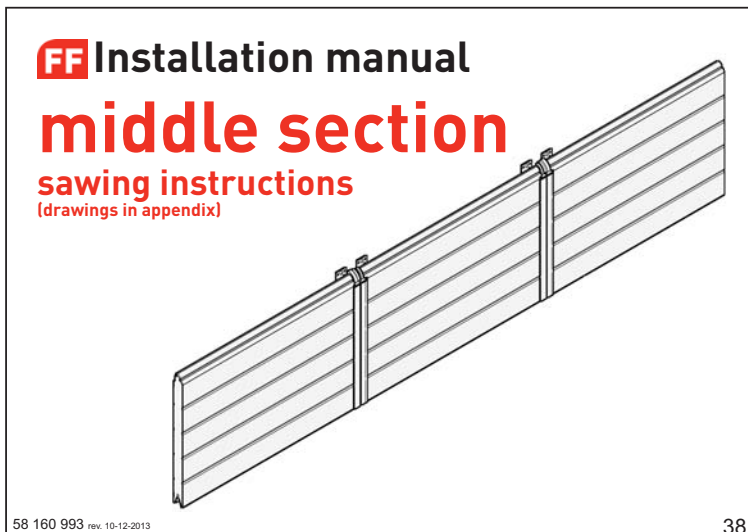
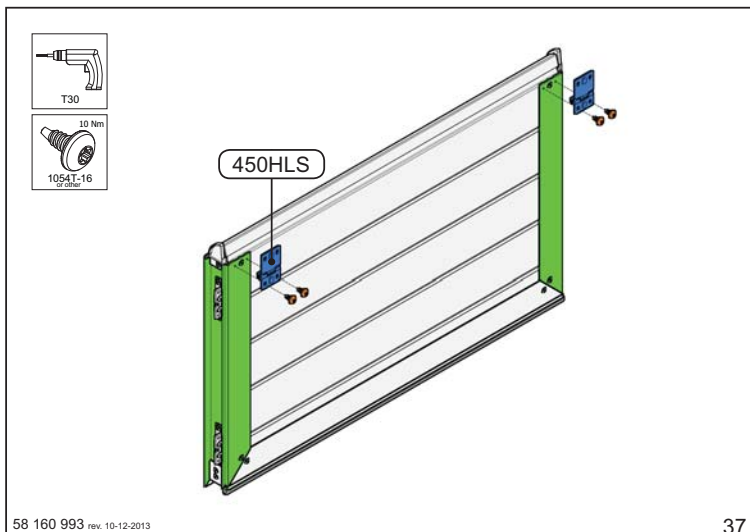
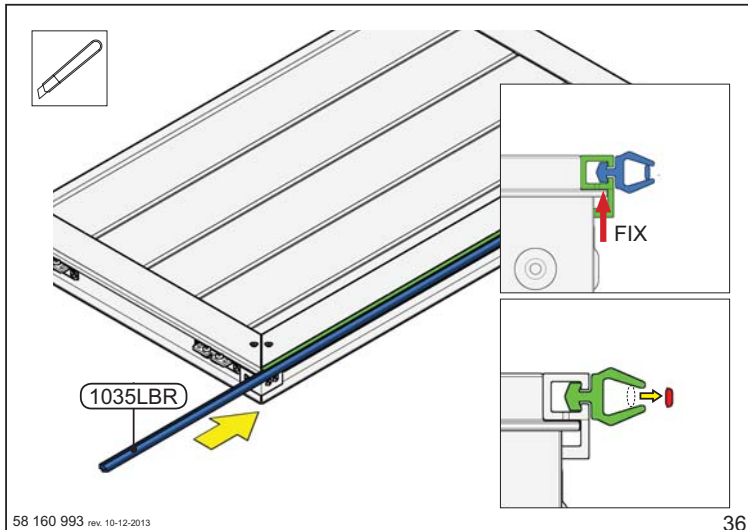
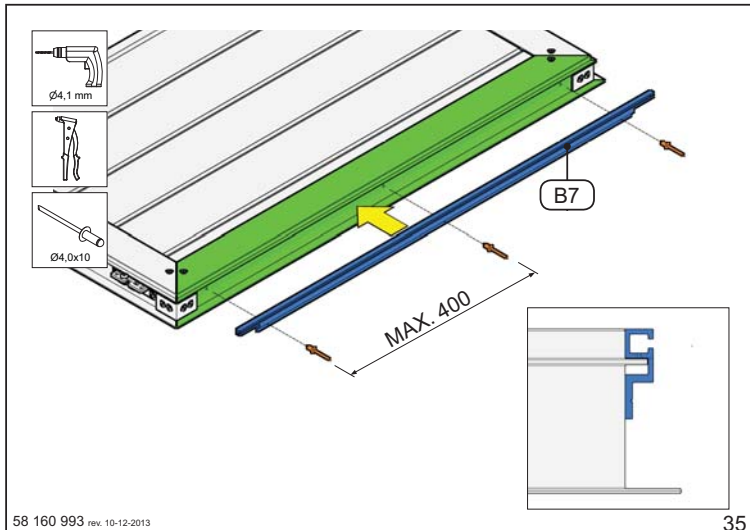
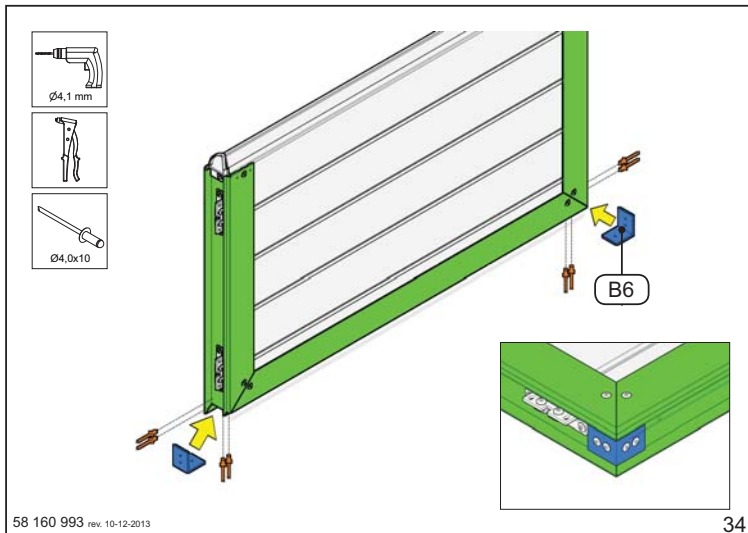
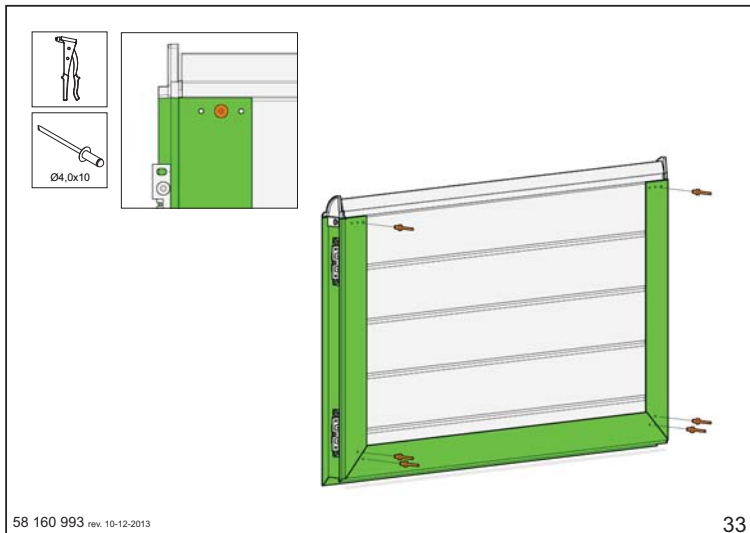
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31



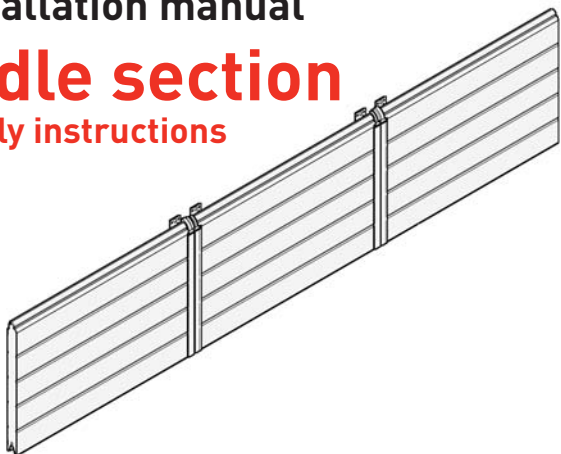
32



FF Installation manual

middle section

assembly instructions

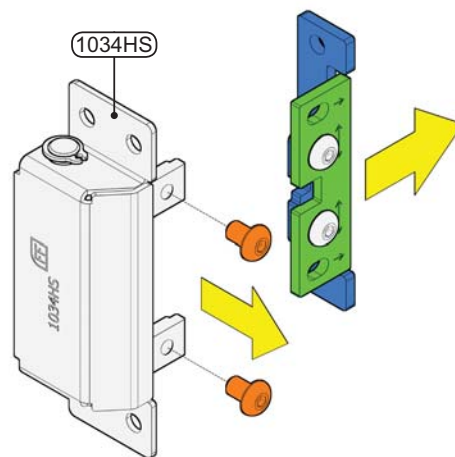


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41



3 mm

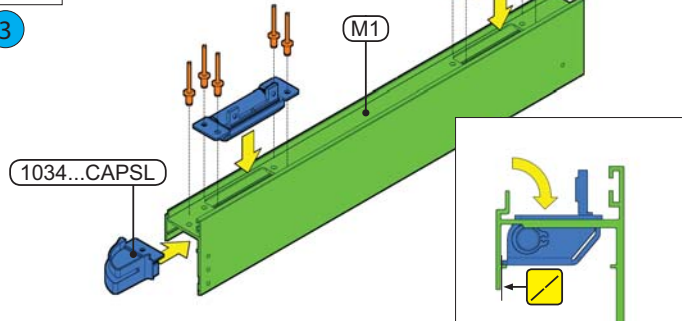


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42



3

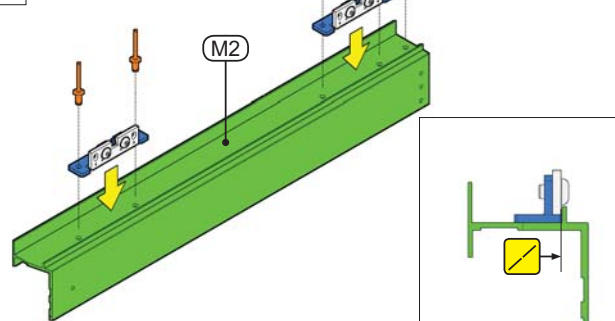


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43



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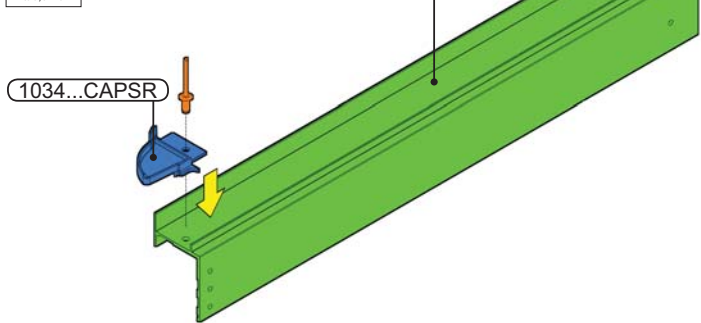


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44



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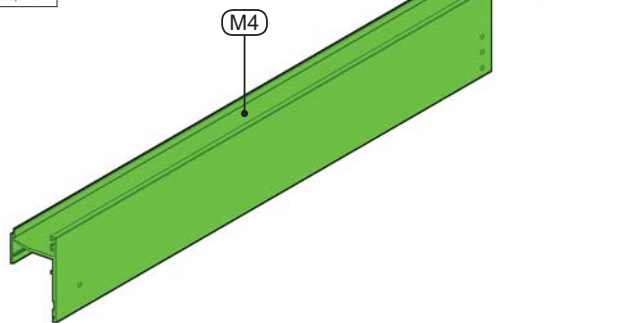


58 160 993 rev. 10-12-2013

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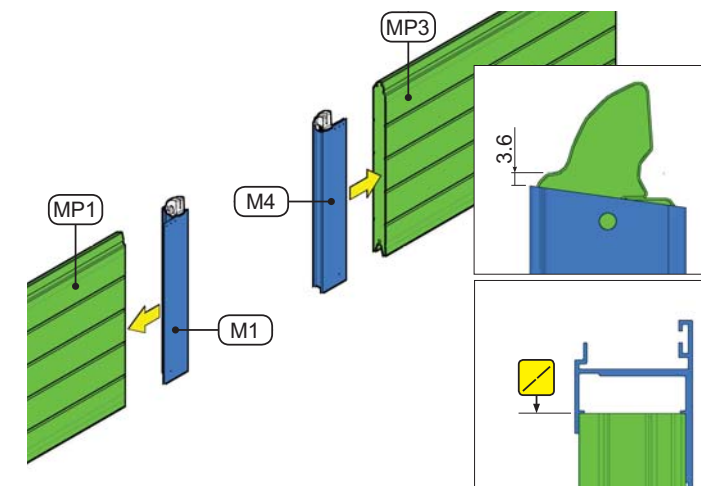


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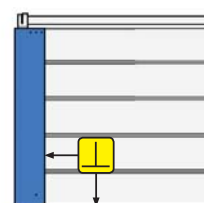
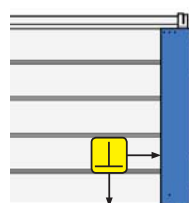
58 160 993 rev. 10-12-2013

46



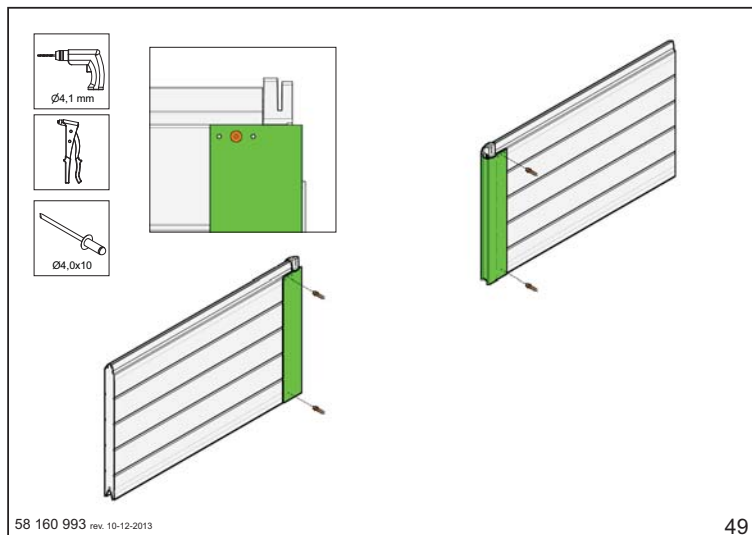
58 160 993 rev. 10-12-2013

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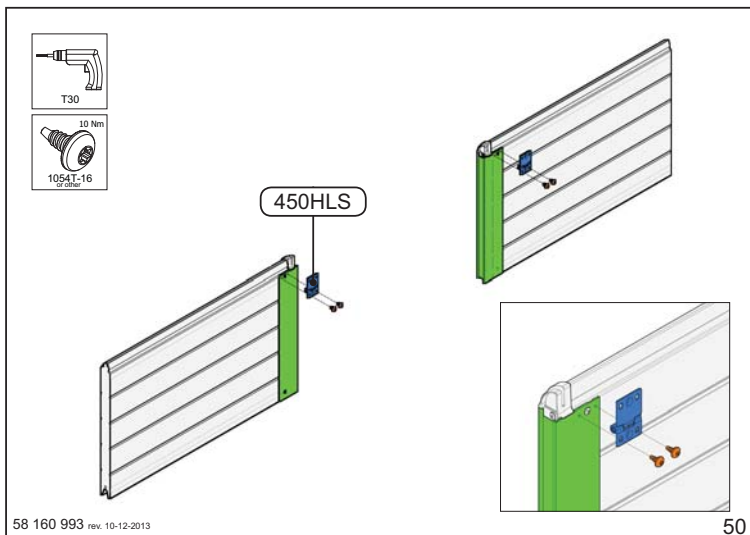


58 160 993 rev. 10-12-2013

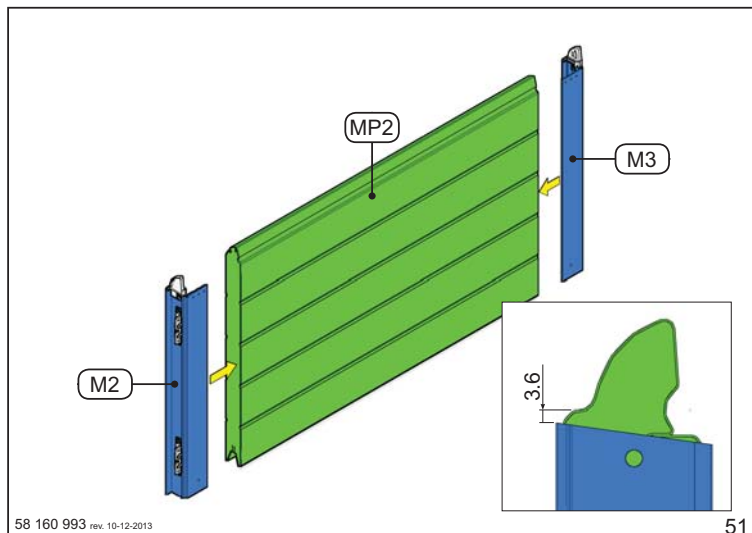
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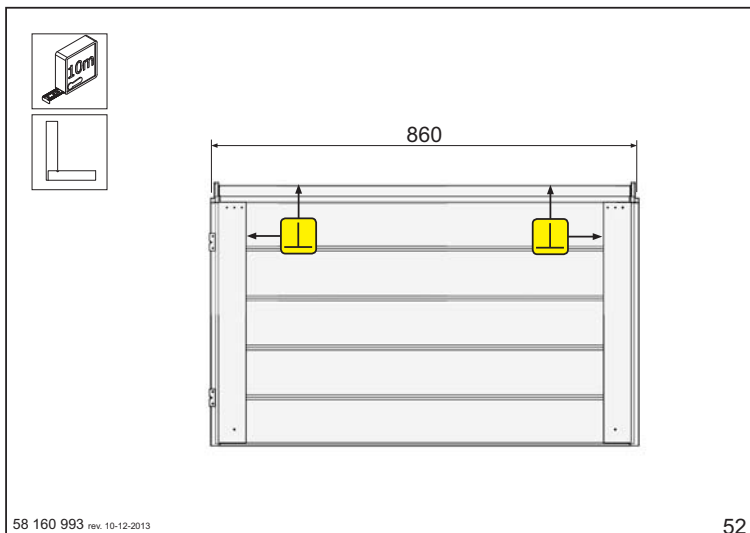
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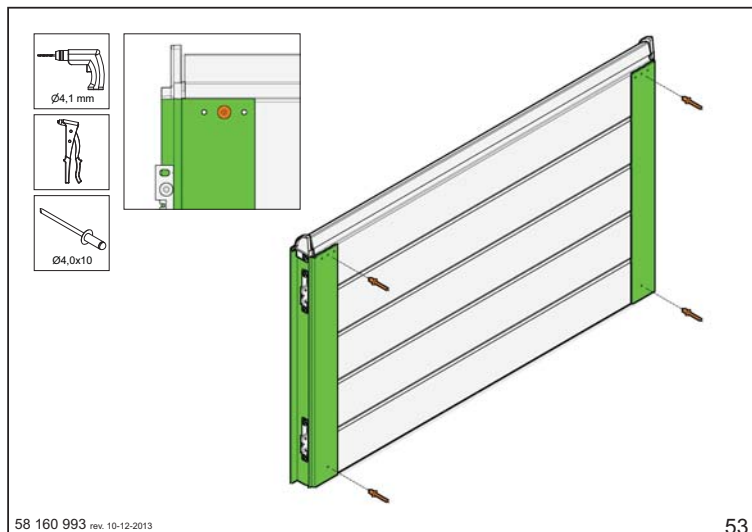
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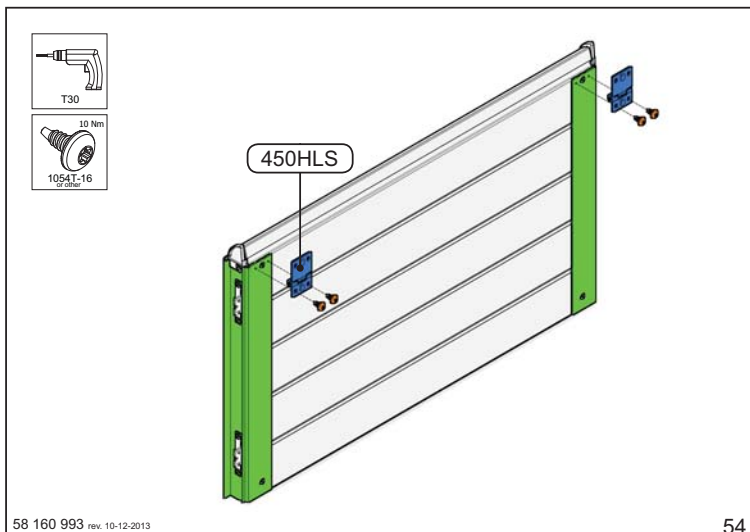
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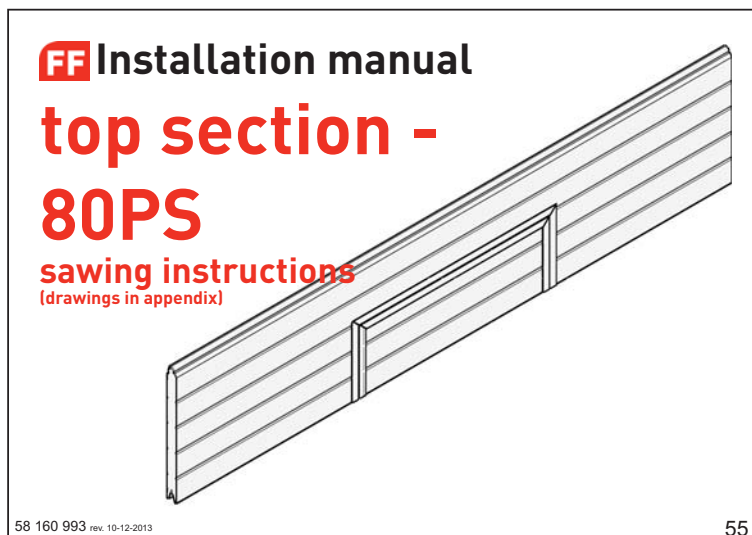
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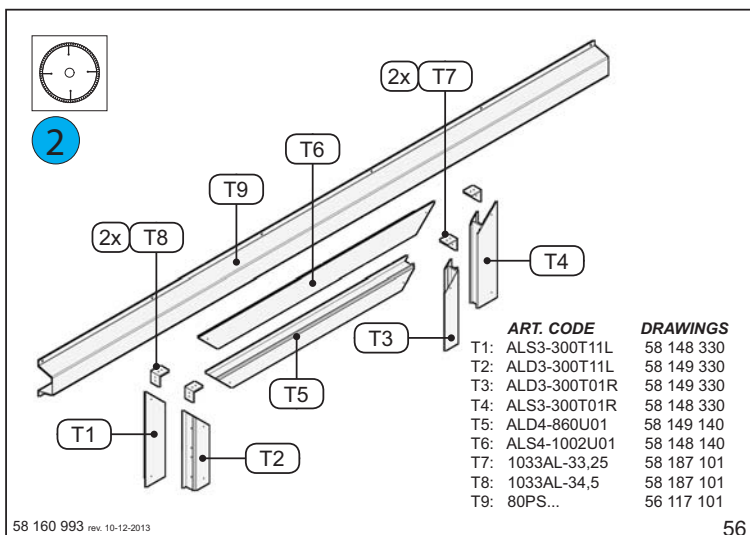
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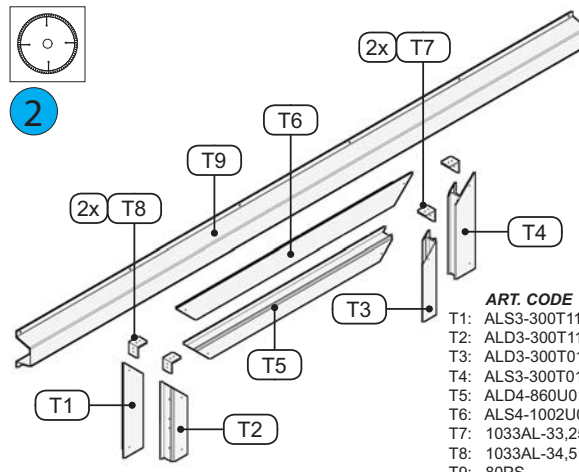
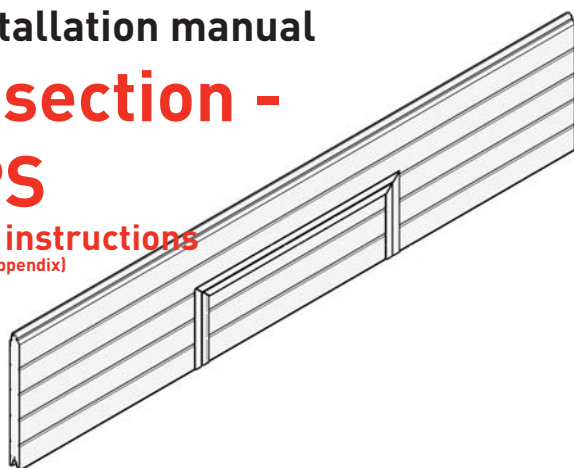


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56

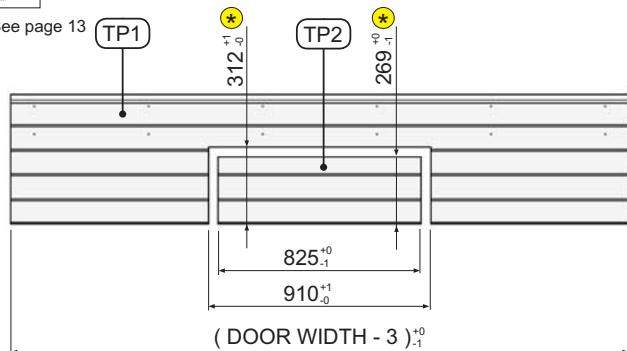
FF Installation manual **top section -** **80PS** **sawing instructions** (drawings in appendix)



ART. CODE	DRAWINGS
T1: ALS3-300T11L	58 148 330
T2: ALD3-300T11L	58 149 330
T3: ALD3-300T01R	58 149 330
T4: ALS3-300T01R	58 148 330
T5: ALD4-860U01	58 149 140
T6: ALS4-1002U01	58 148 140
T7: 1033AL-33,25	58 187 101
T8: 1033AL-34,5	58 187 101
T9: 80PS...	56 117 101



★ See page 13



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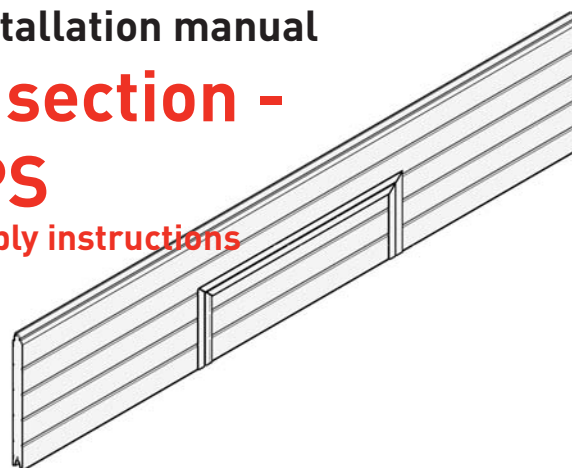
57

FF Installation manual

top section -

80PS

assembly instructions

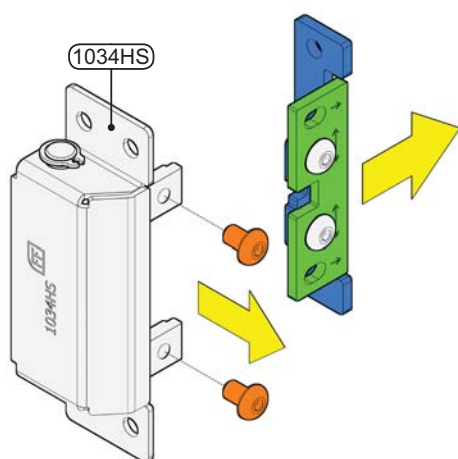


58 160 993 rev. 10-12-2013

58



3 mm



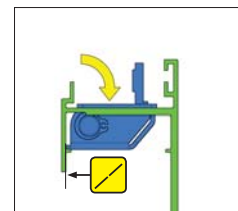
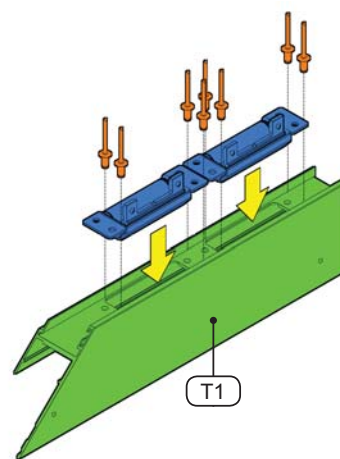
58 160 993 rev. 10-12-2013

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Ø5,0x10

3



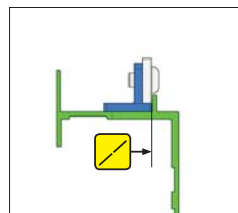
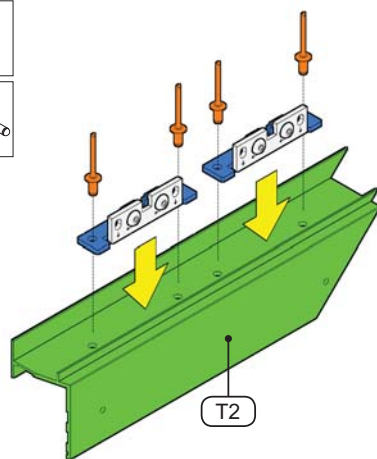
58 160 993 rev. 10-12-2013

60



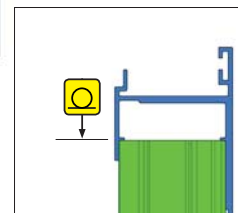
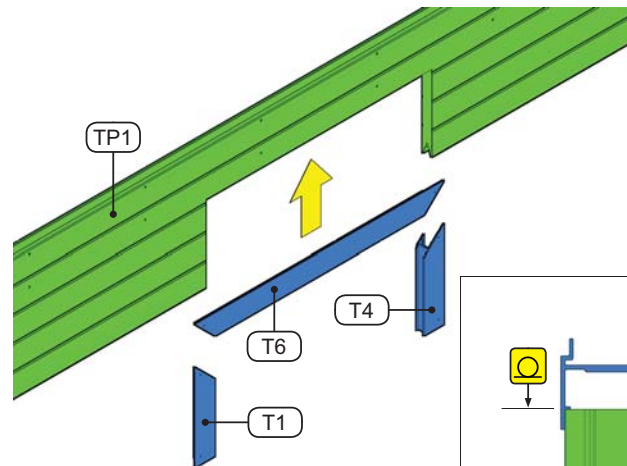
Ø5,0x10

3



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61

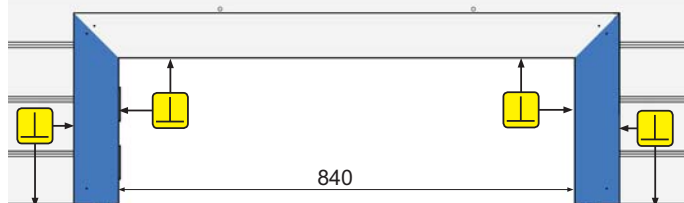


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62



10 mm



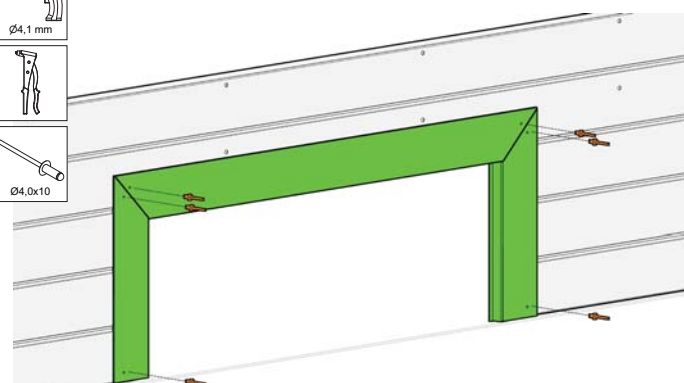
58 160 993 rev. 10-12-2013

63



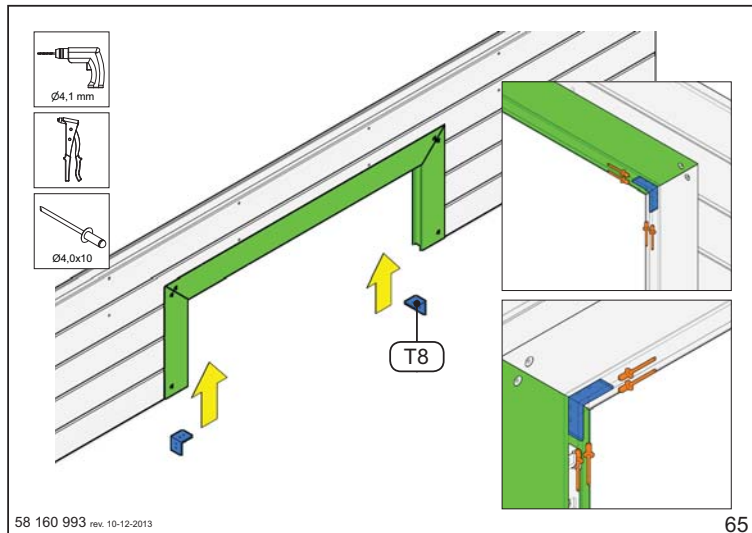
Ø4,1 mm

Ø4,0x10

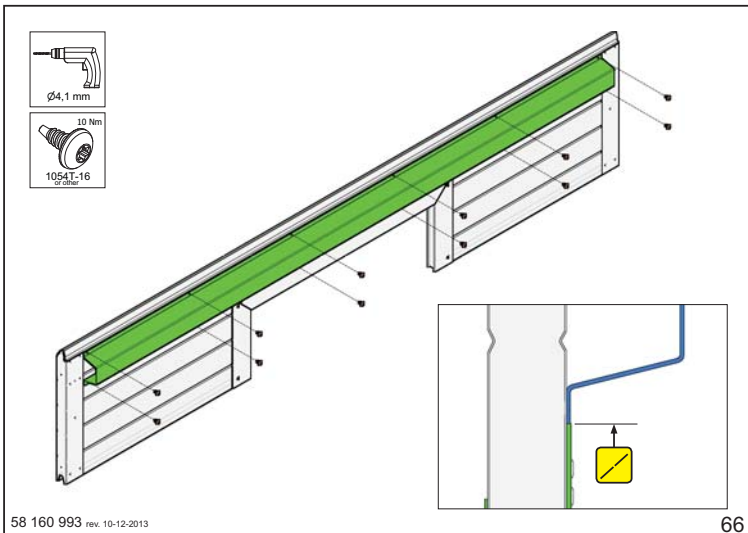


58 160 993 rev. 10-12-2013

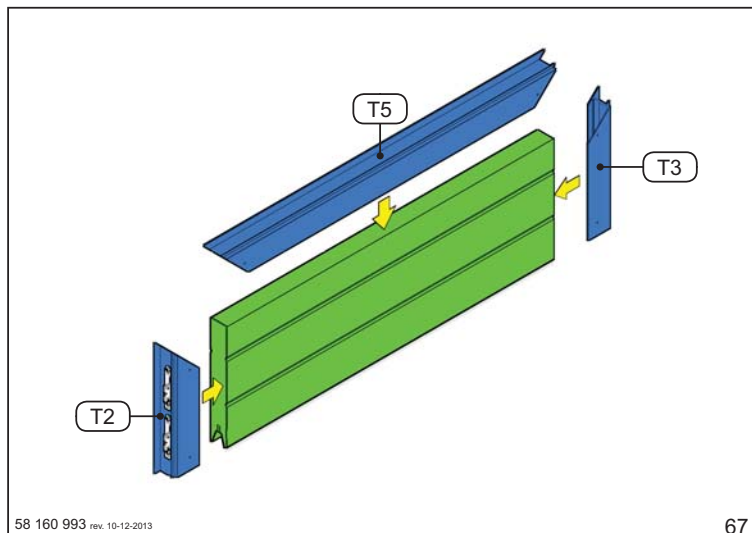
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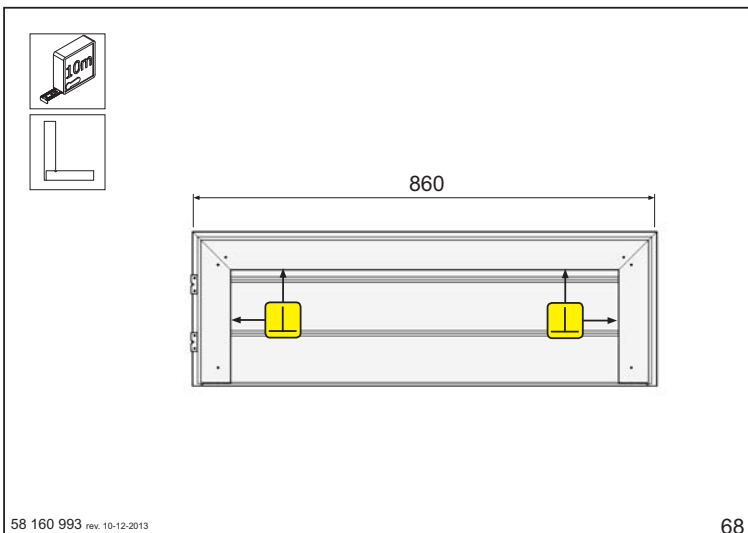
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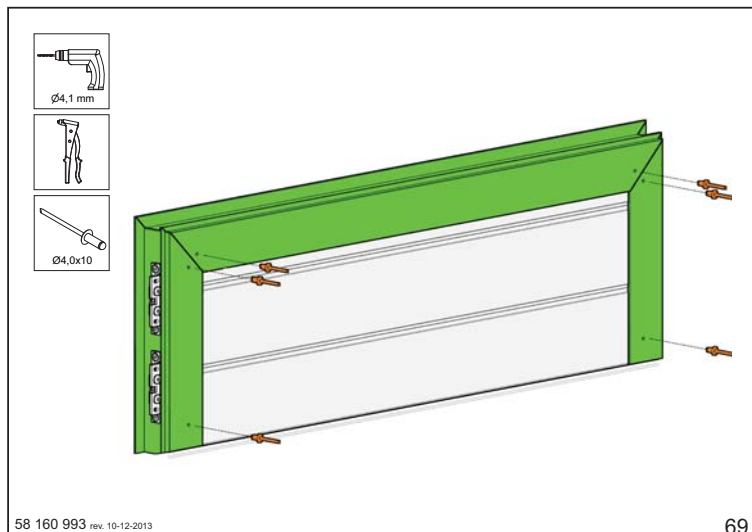
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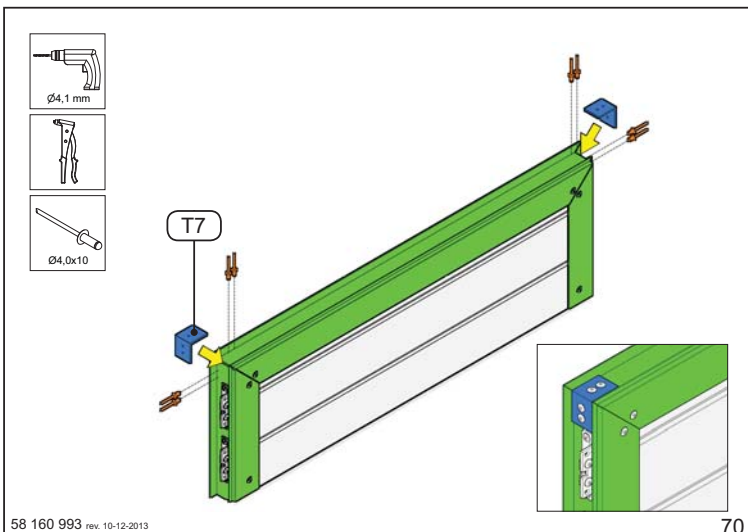
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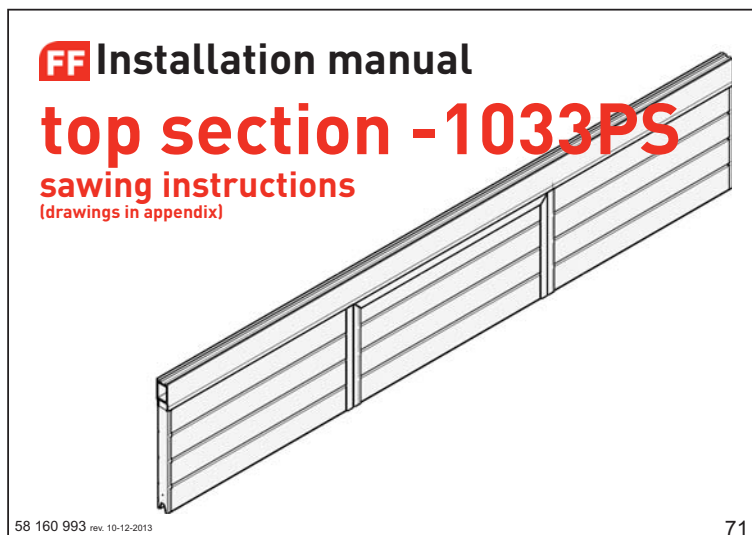
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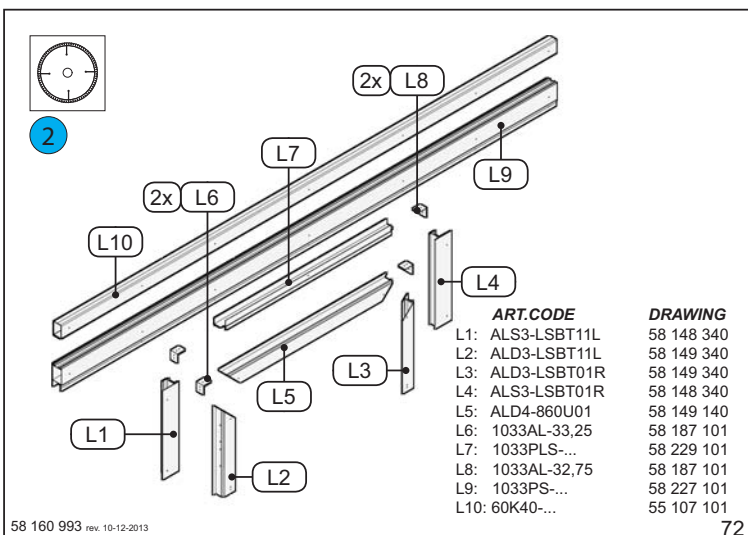
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70



71



72

FF Installation manual

top section - 1033PS

sawing instructions
(drawings in appendix)

ART.CODE

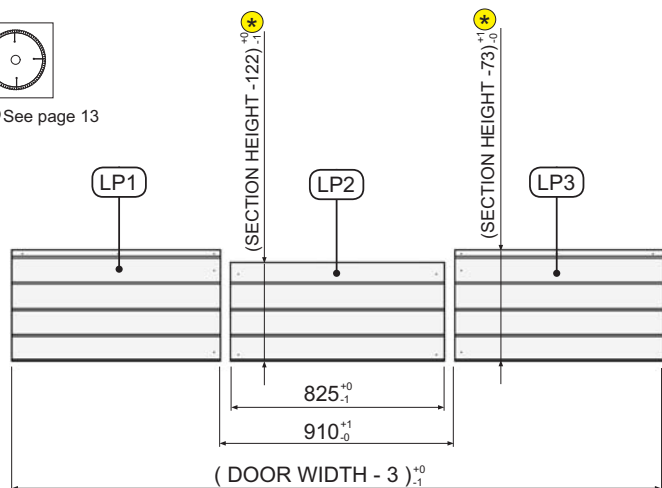
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L2: ALD3-LSBT11L
L3: ALD3-LSBT01R
L4: ALS3-LSBT01R
L5: ALD4-860U01
L6: 1033AL-33,25
L7: 1033PLS-...
L8: 1033AL-32,75
L9: 1033PS-...
L10: 60K40-...

DRAWING

58 148 340
58 149 340
58 149 340
58 148 340
58 149 140
58 187 101
58 229 101
58 187 101
58 227 101
55 107 101



★ See page 13



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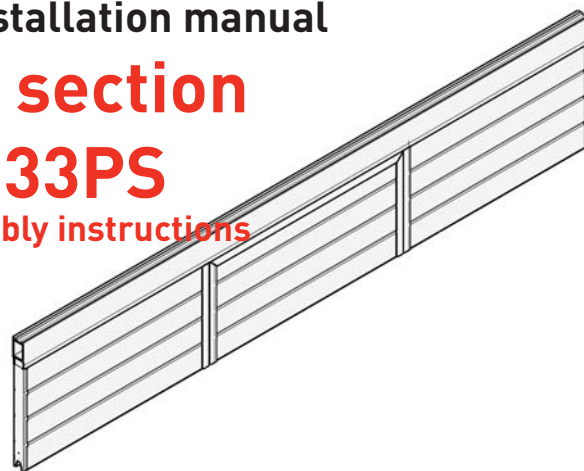
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FF Installation manual

top section

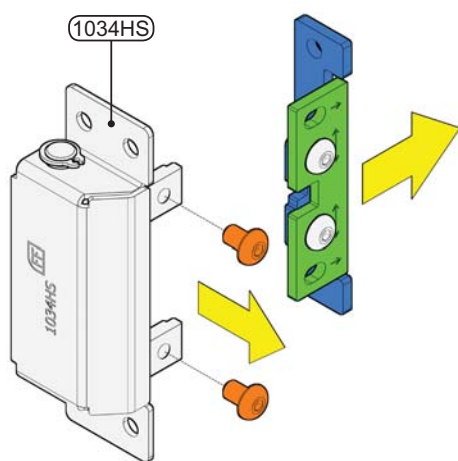
-1033PS

assembly instructions



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74

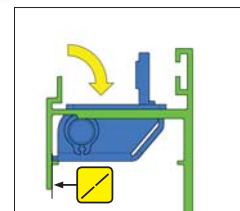
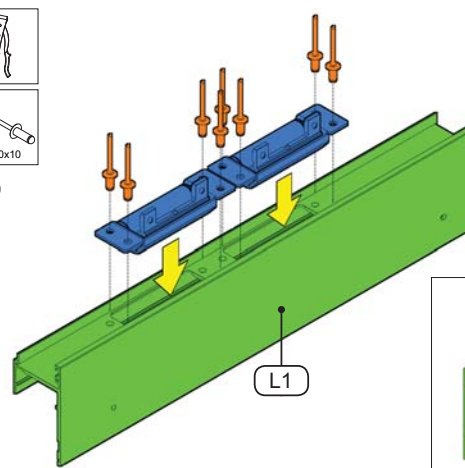


58 160 993 rev. 10-12-2013

75



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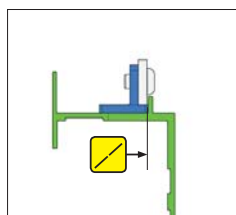
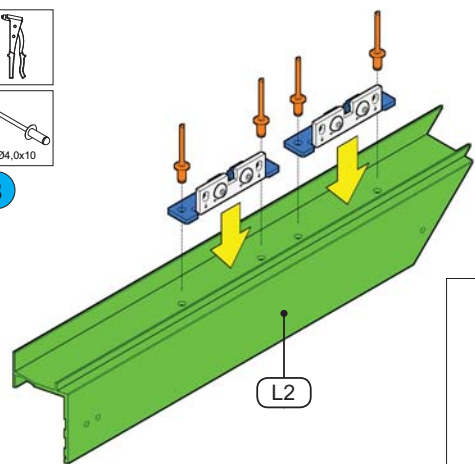


58 160 993 rev. 10-12-2013

76



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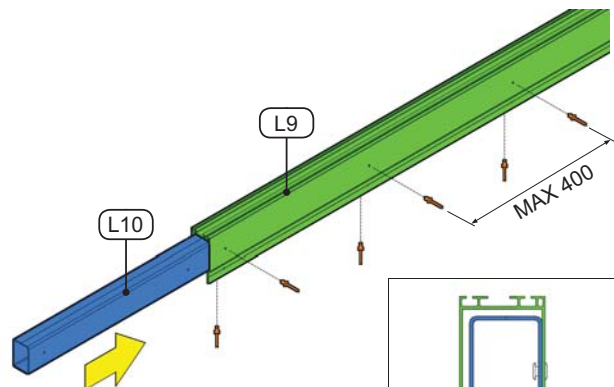


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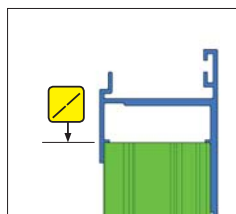
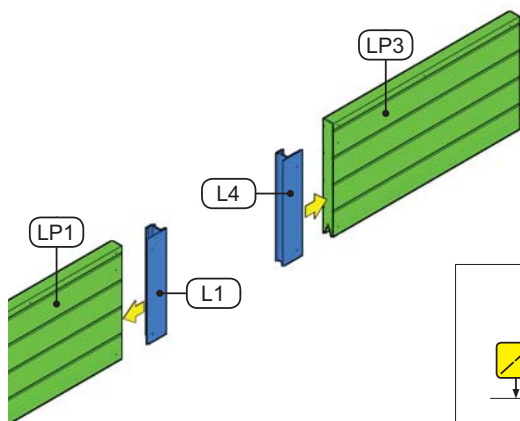


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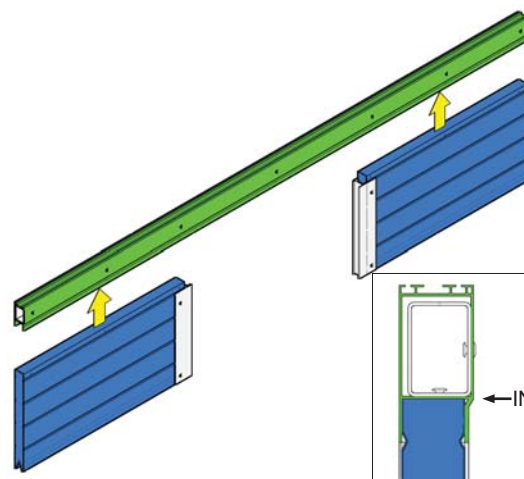
58 160 993 rev. 10-12-2013

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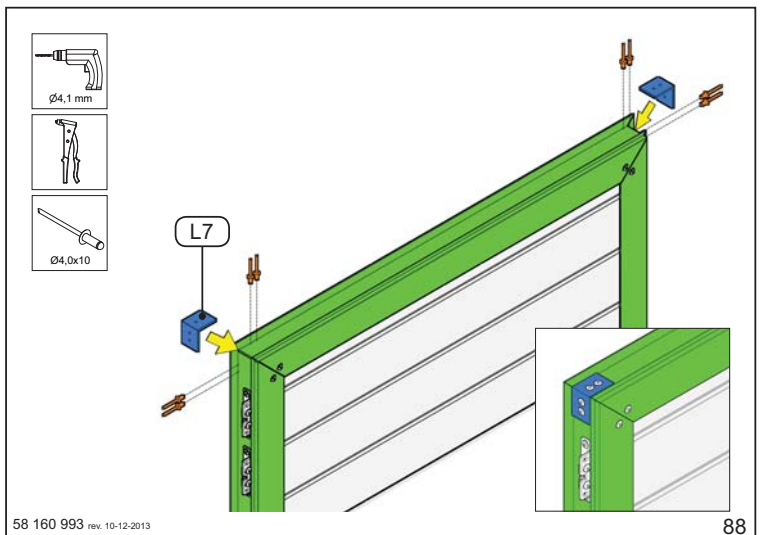
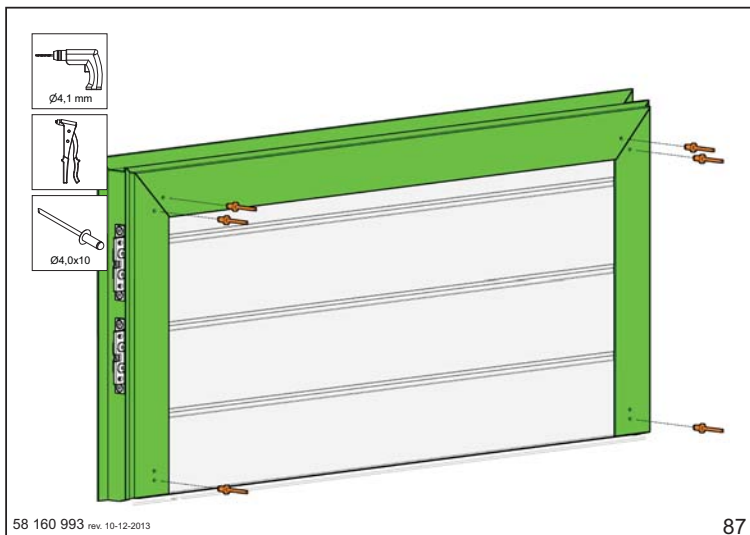
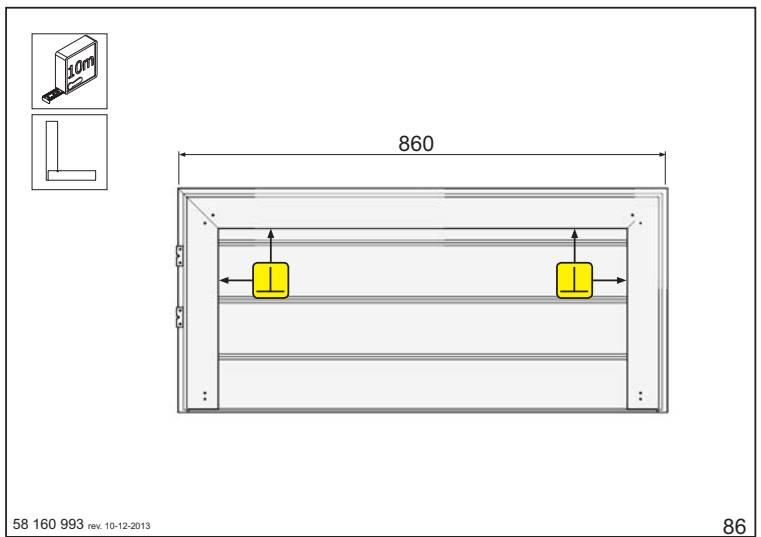
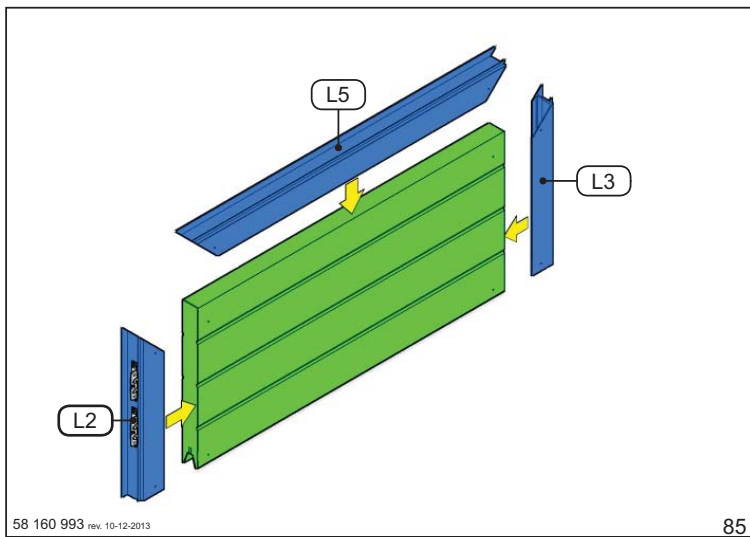
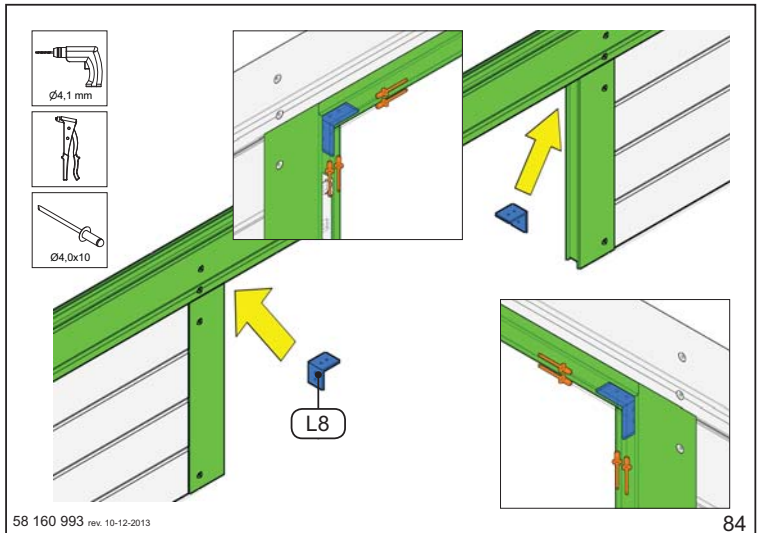
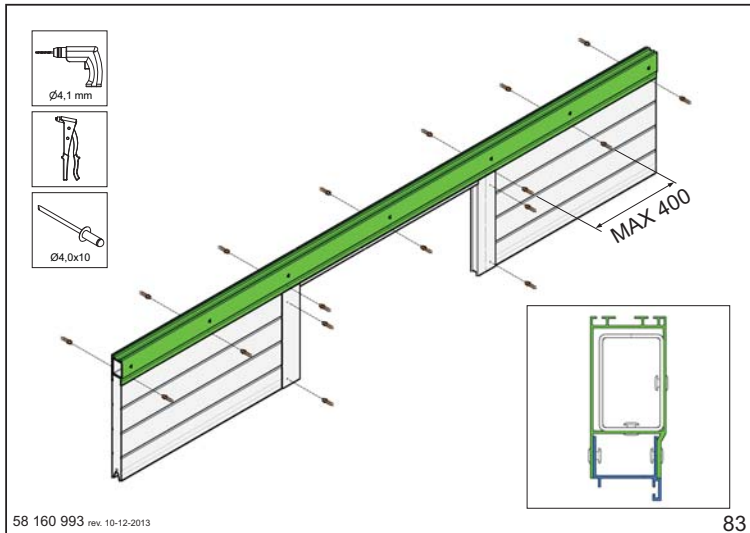
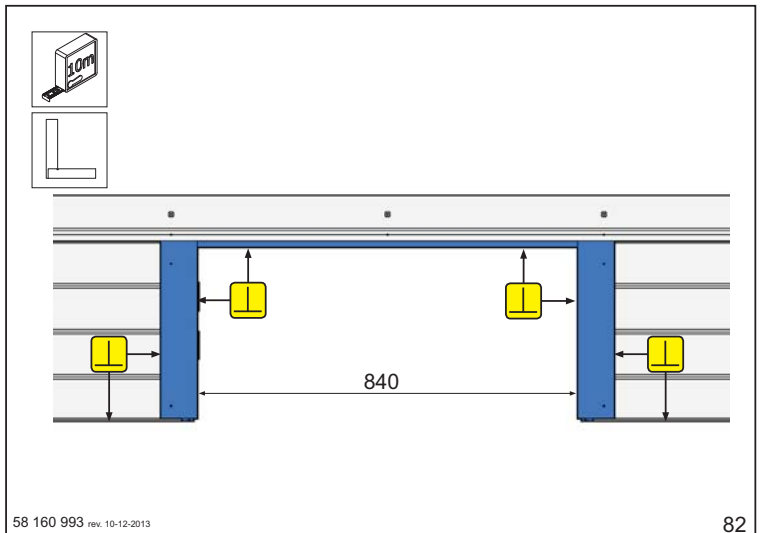
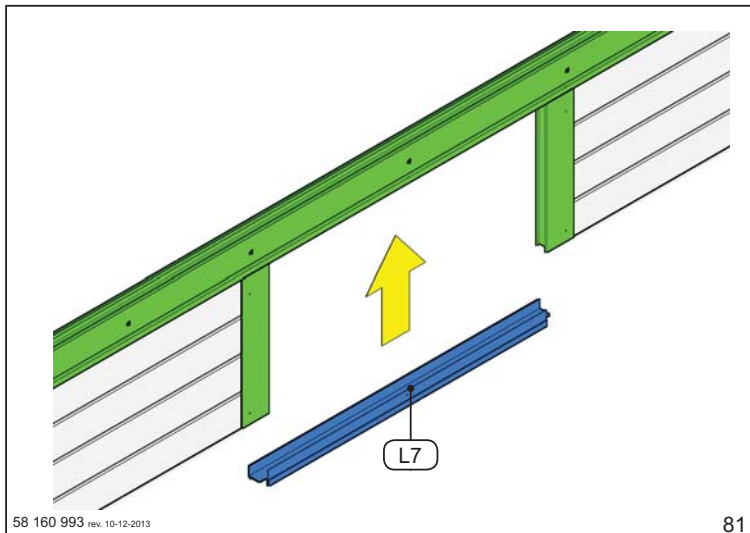
58 160 993 rev. 10-12-2013

79



58 160 993 rev. 10-12-2013

80



FF Installation manual

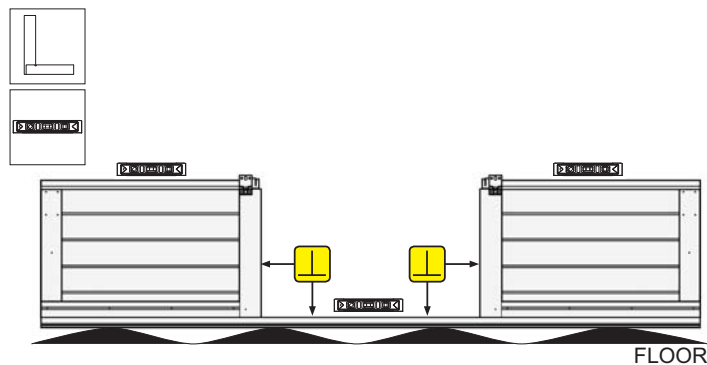
complete door

assembly instructions



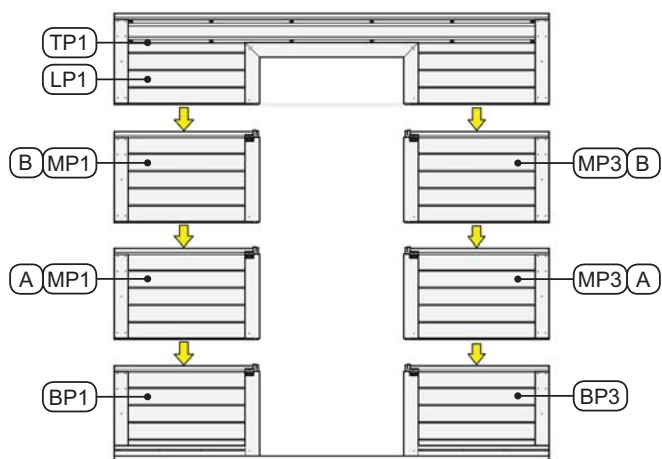
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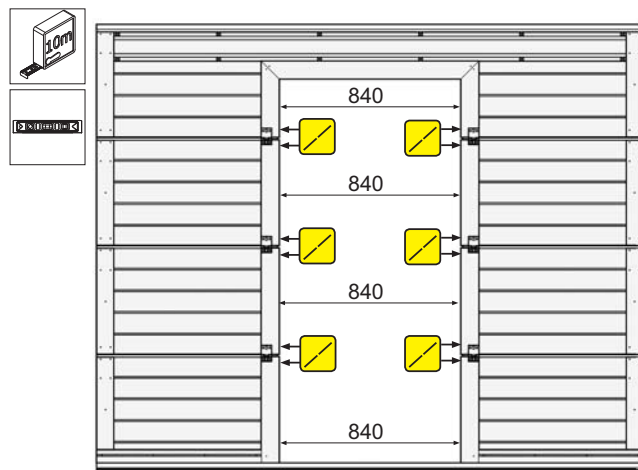
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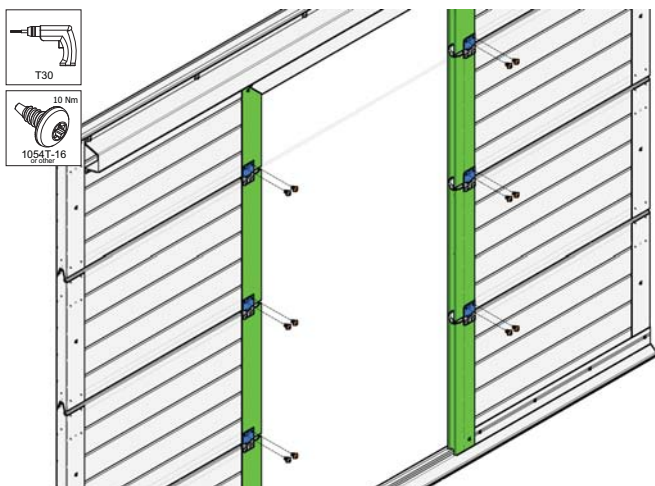
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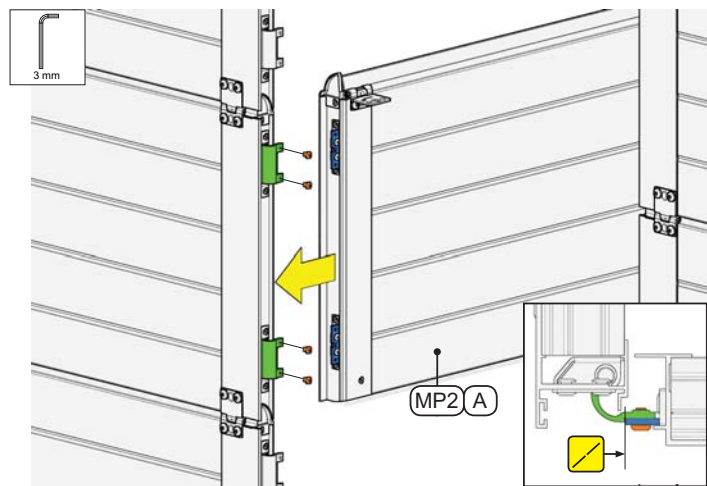
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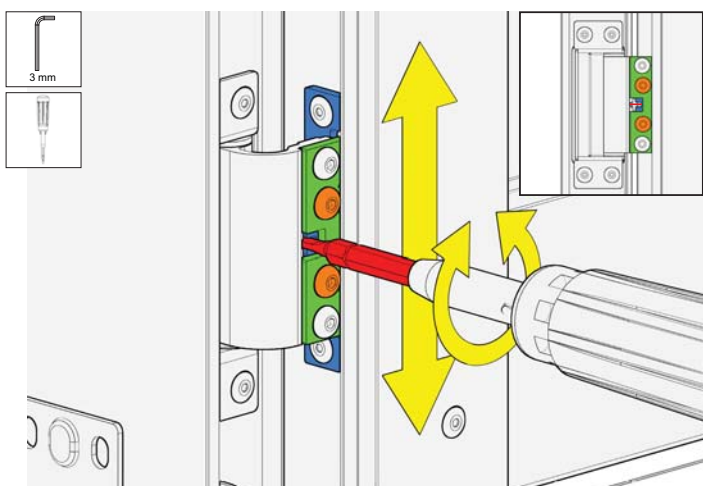
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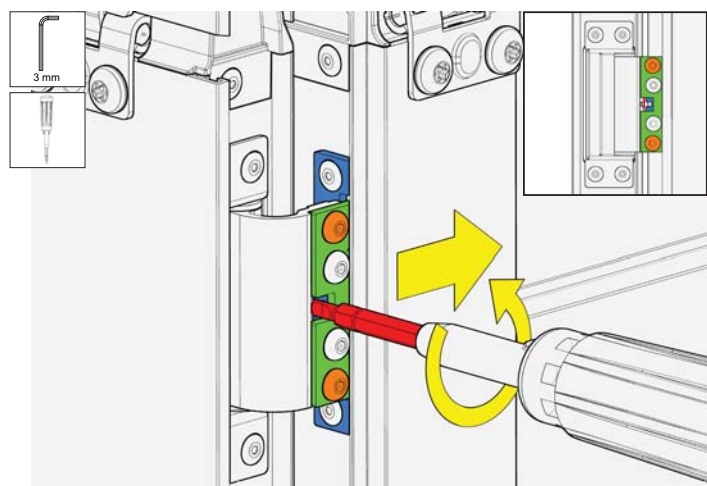
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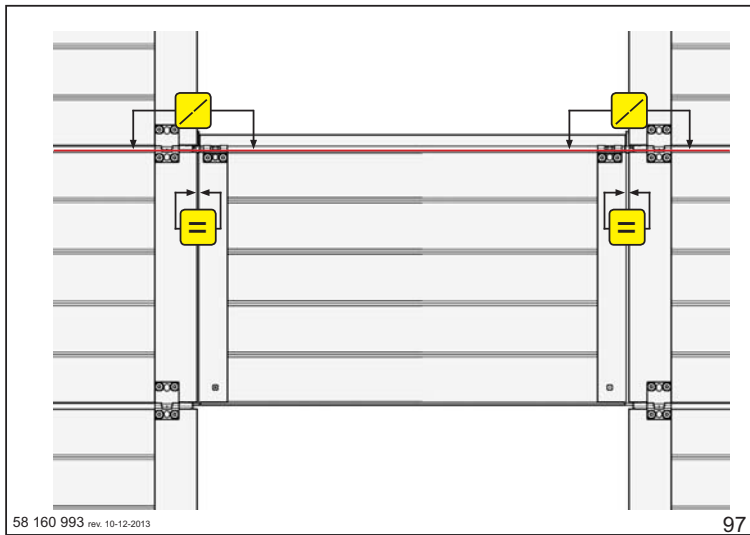
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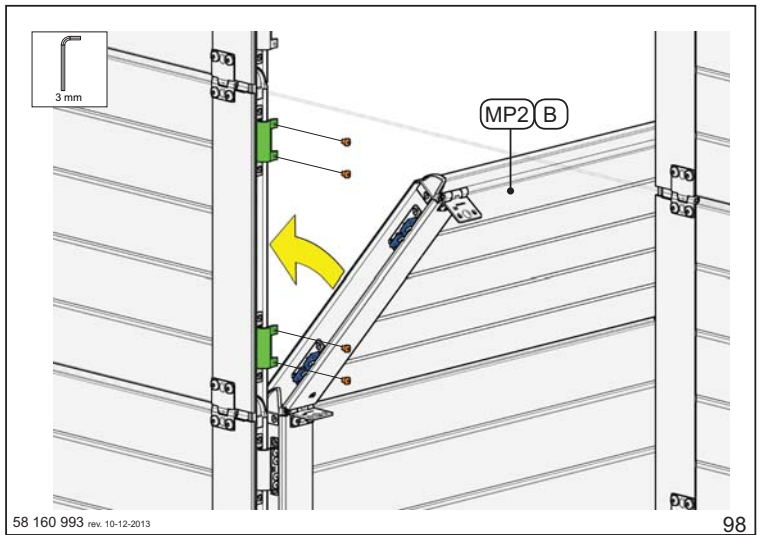


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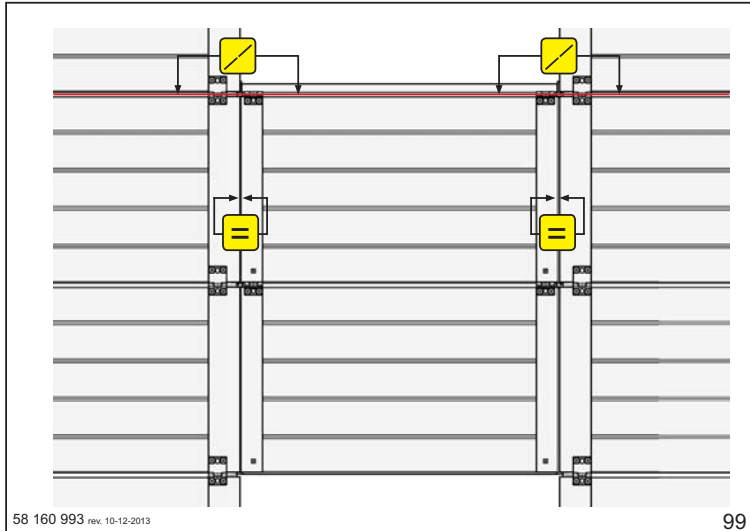
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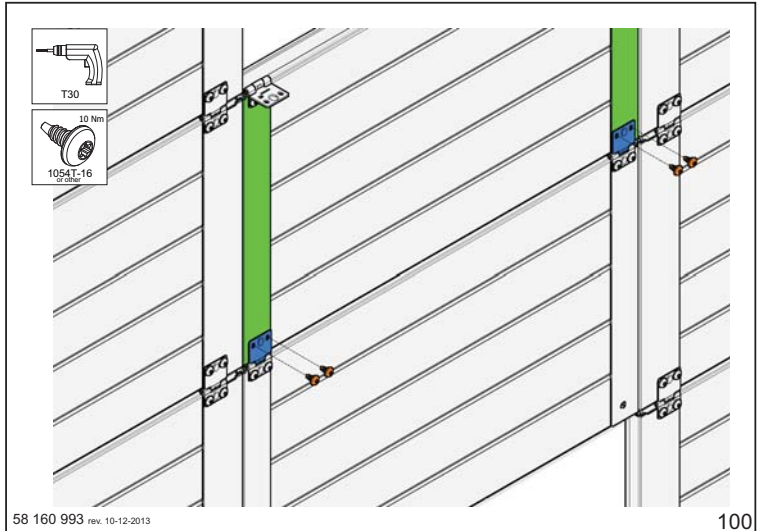
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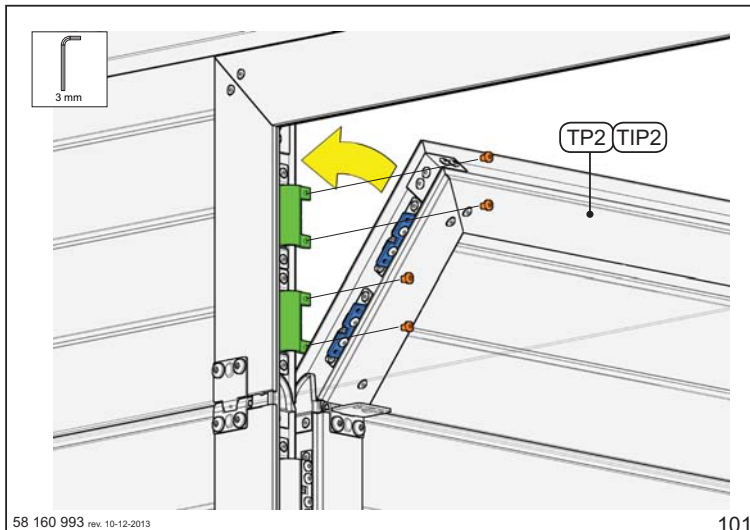
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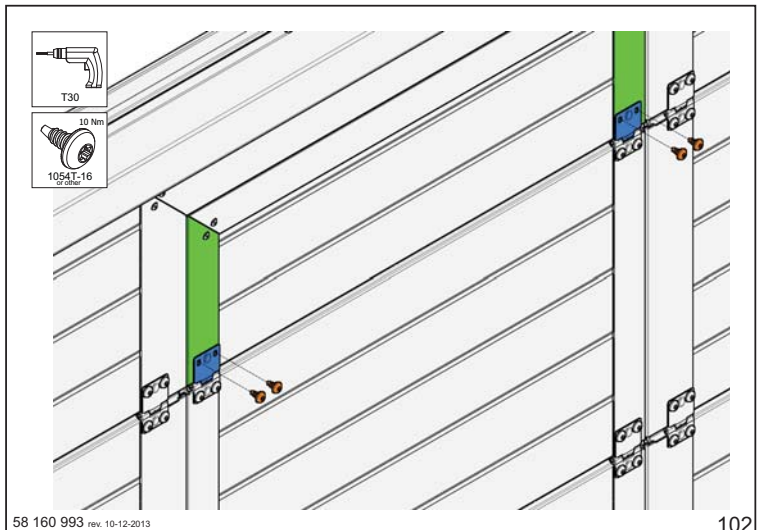
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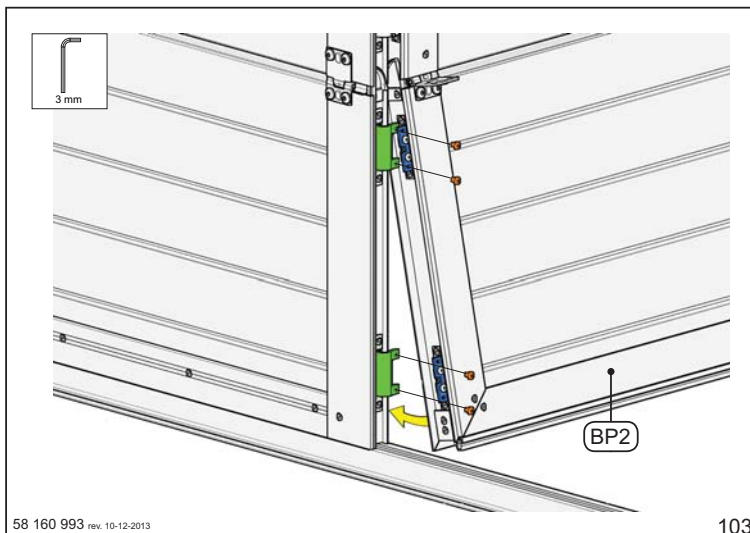
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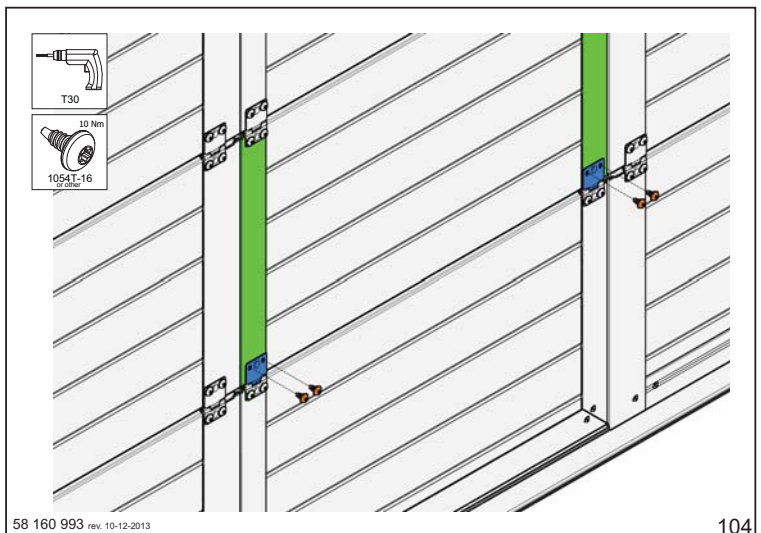
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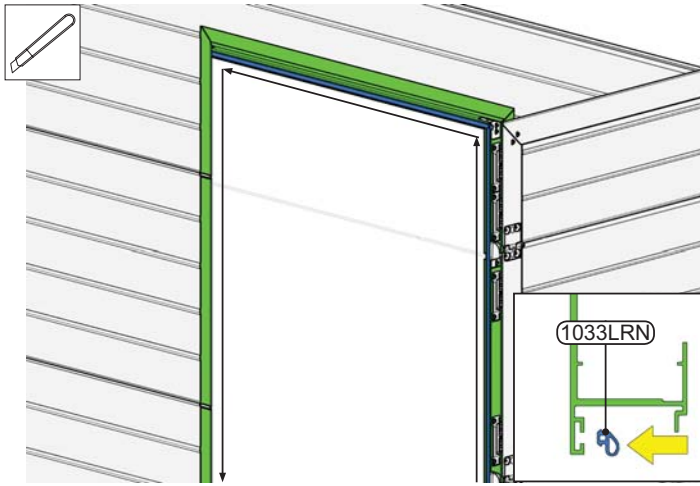
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103



104



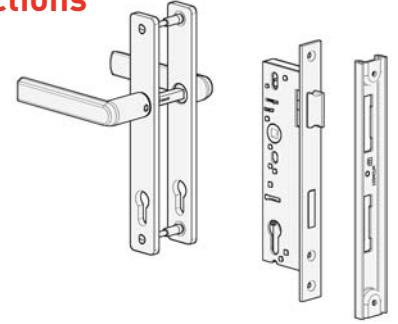
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105

FF Installation manual

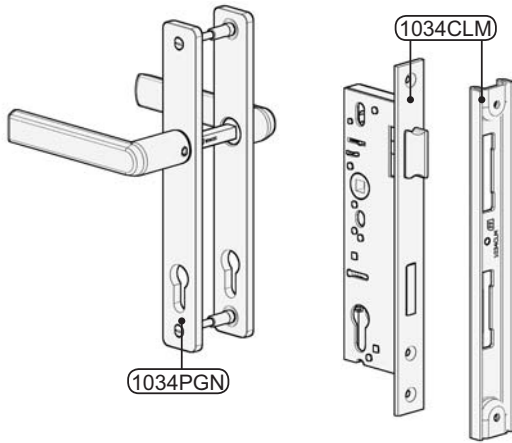
lock assembly

assembly instructions



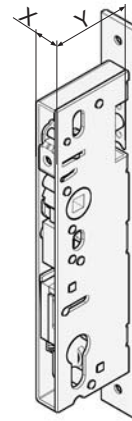
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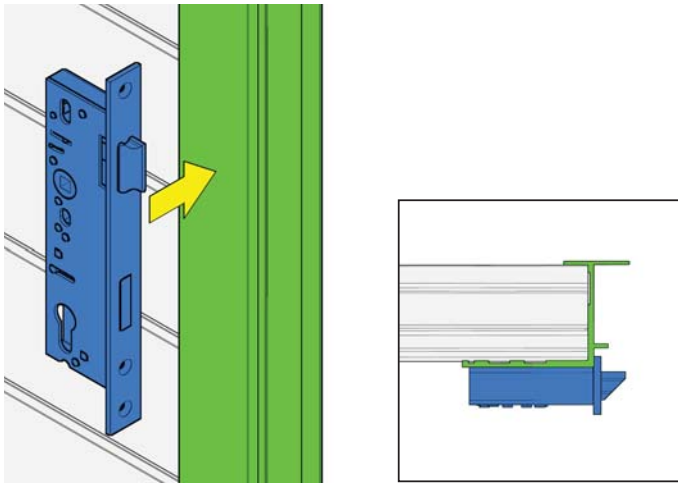
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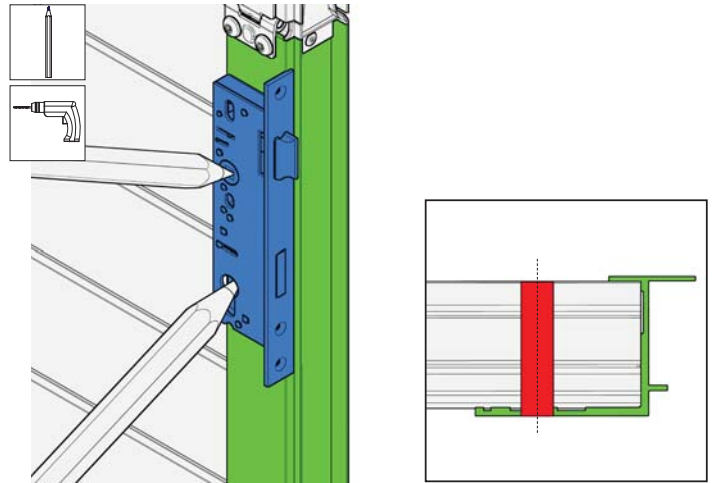
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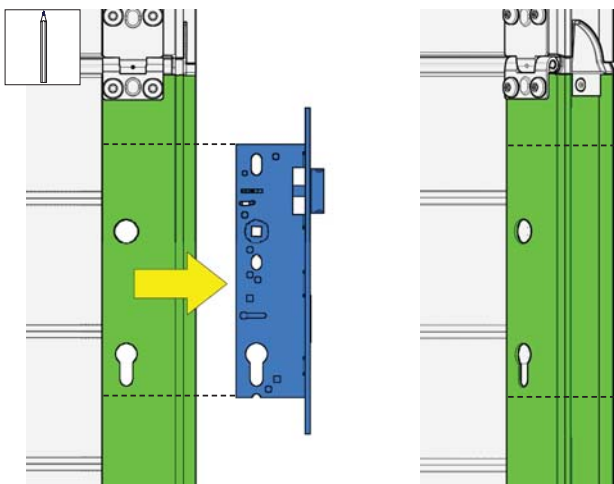
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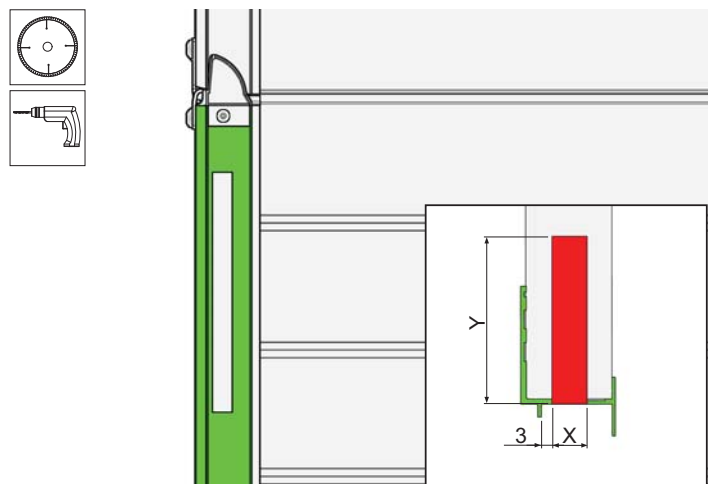
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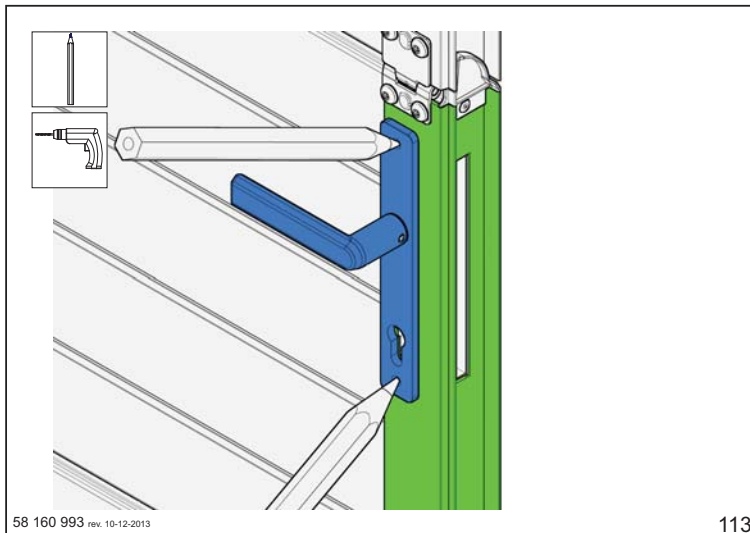
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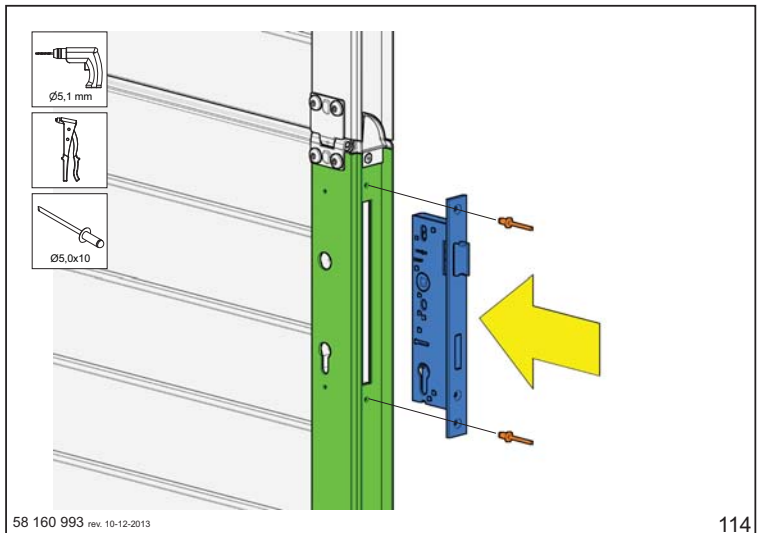


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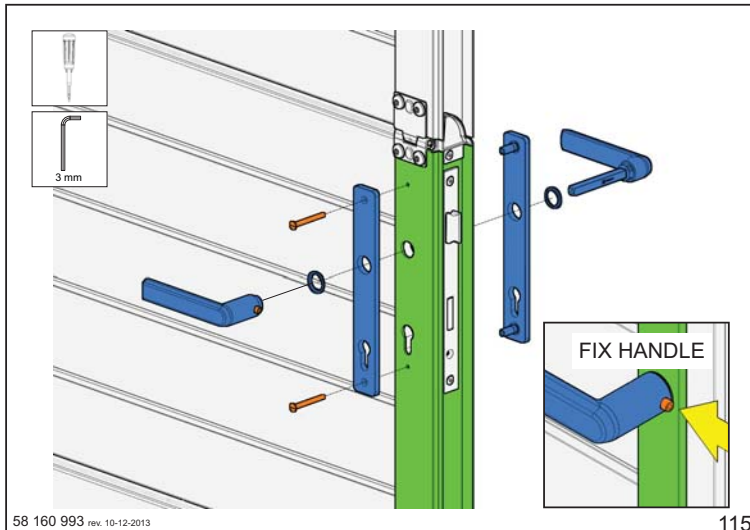
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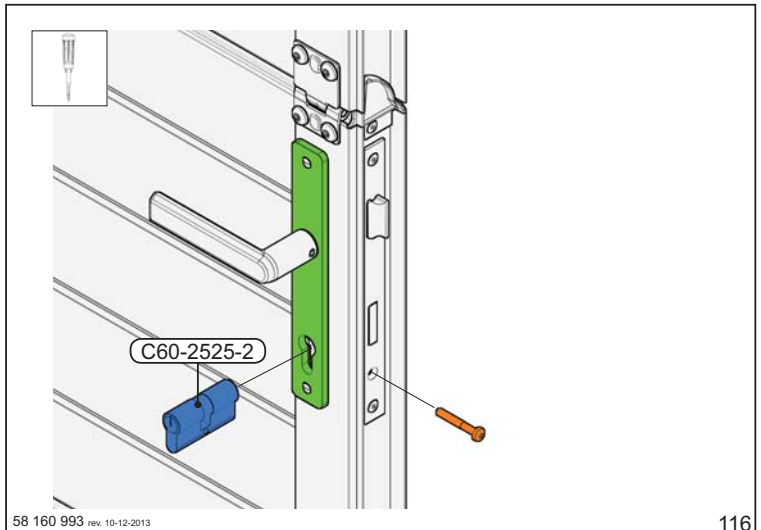
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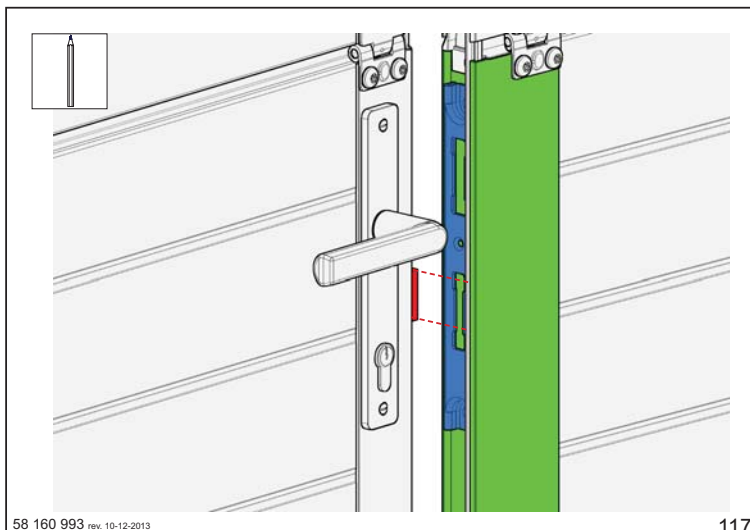
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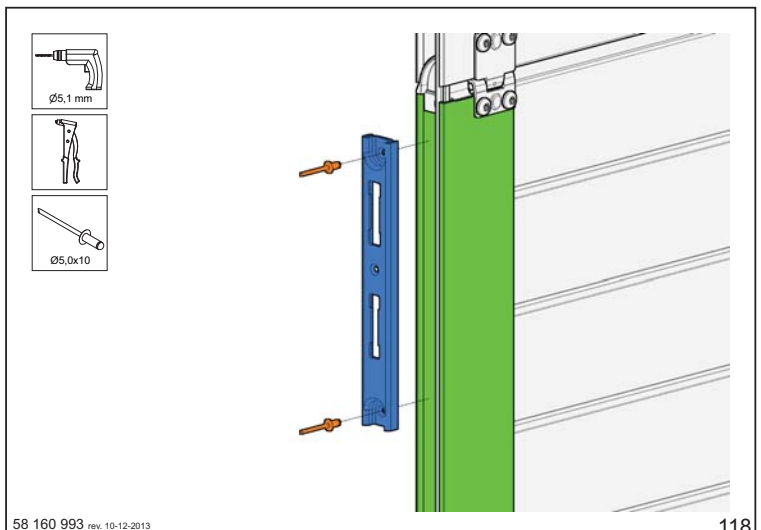
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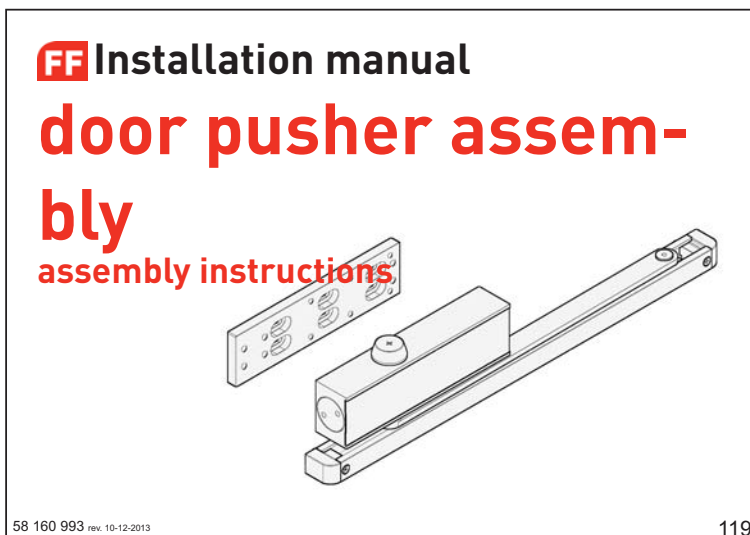
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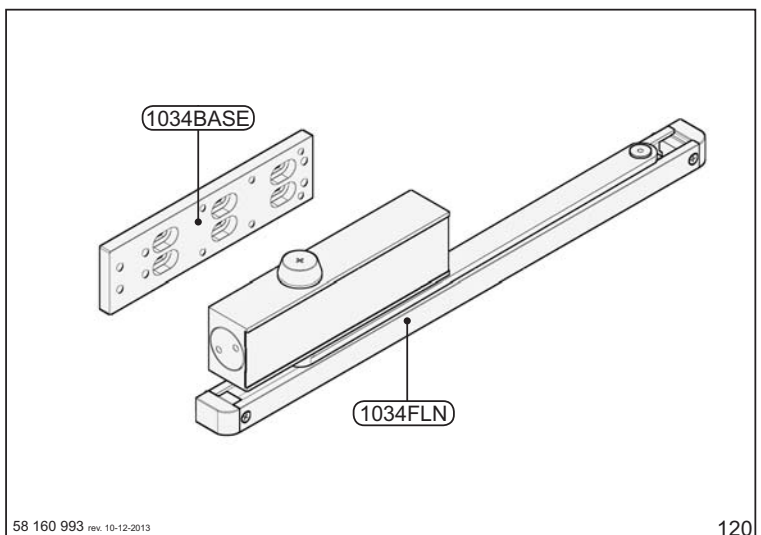
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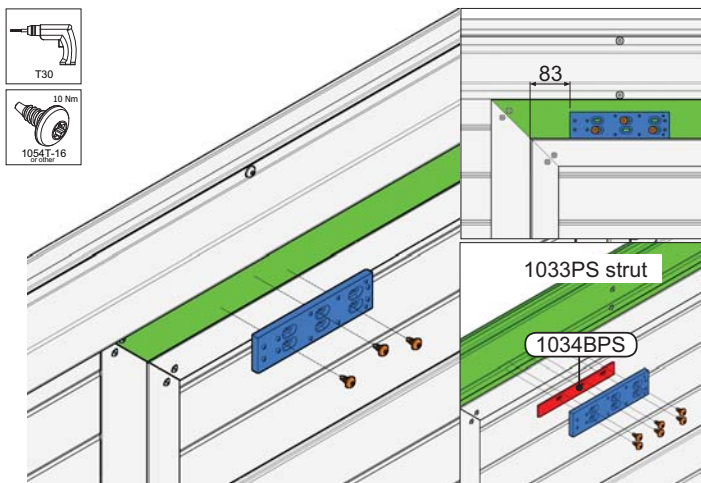
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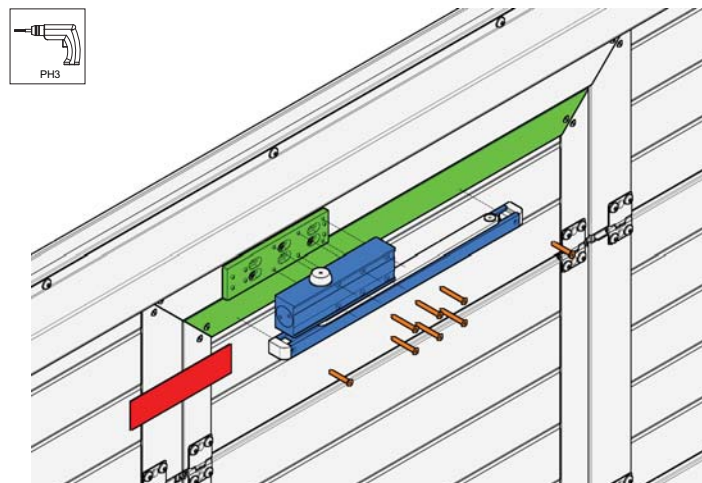


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58 160 993 rev. 10-12-2013

121



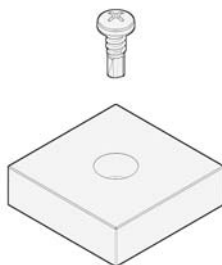
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122

FF Installation manual

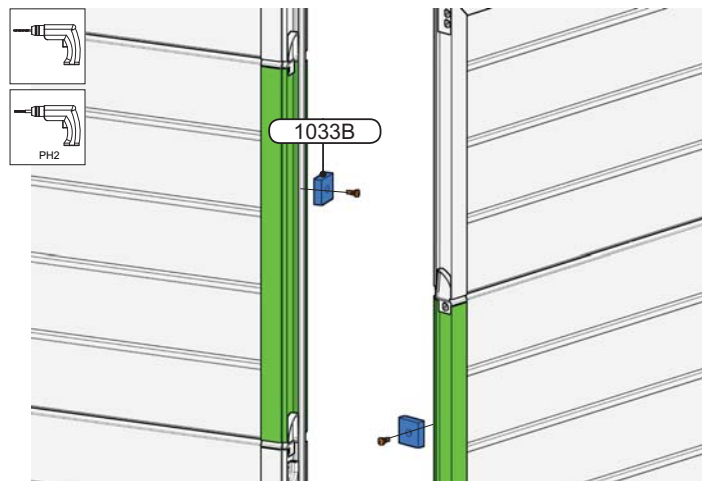
1033B

(apply when door width > 3000mm)



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FF Installation manual

maintenance



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MAINTENANCE SAFE STEP PASS DOOR

The Safe Step pass door should be maintained and check regularly to ensure safe operation and use.

GENERAL

1. The maintenance may only be carried out by qualified overhead door mechanics
2. Replacement of broken or worn components should always be done by qualified overhead door mechanics
3. When checking the door, always disconnect the electrical main power supply.
Make sure that it is blocked against re-engaging without knowing.

REGULAR MAINTENANCE

After installation

1. Grease the hinges
2. Check if seals stay in place while opening and closing the overhead door
3. Clean aluminium profiles with 'Eloxal' aluminium cleaner

MECHANIC
MECHANIC
MECHANIC/USER

Every year (or after every 1500 cycles)

1. Check fixation of the lock handle
2. Grease the hinges
3. Check fixation of the 450... hinges
4. Grease the door pusher
5. Check fixation of 80PS strut screws
6. Check quality and position of the seals

MECHANIC
MECHANIC
MECHANIC
MECHANIC
MECHANIC
MECHANIC

After every 10000 cycles

1. Replace the 1033LBR between the door and the threshold

MECHANIC

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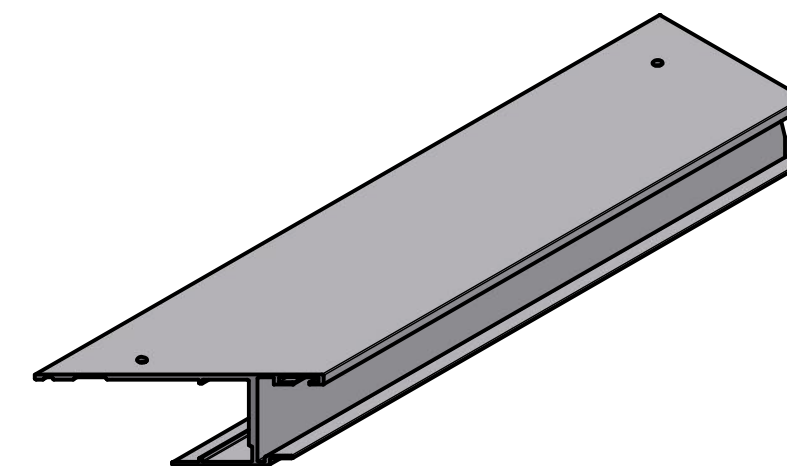
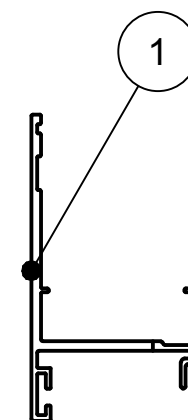
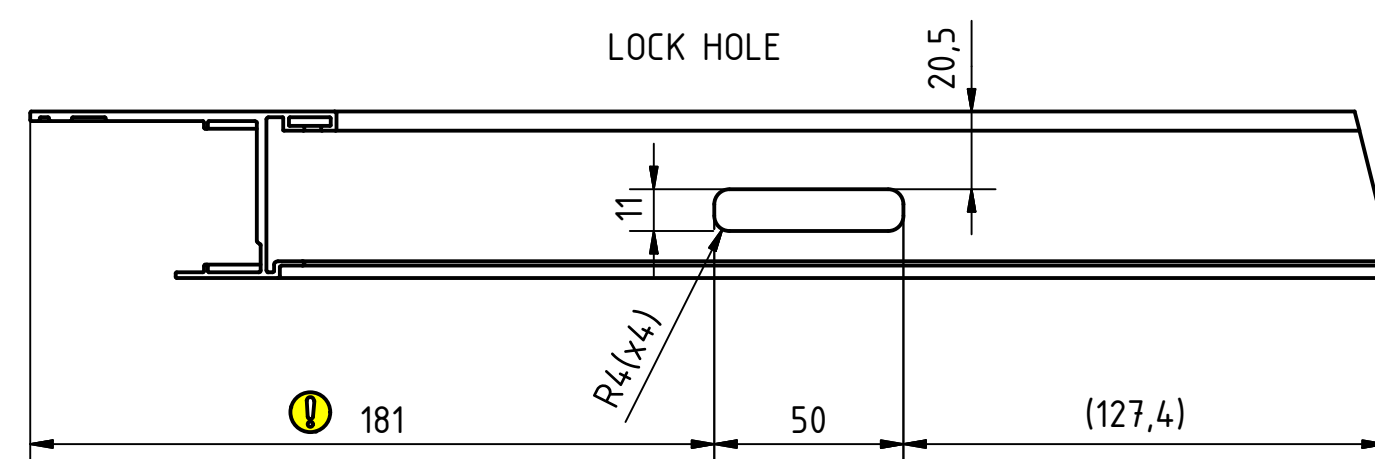
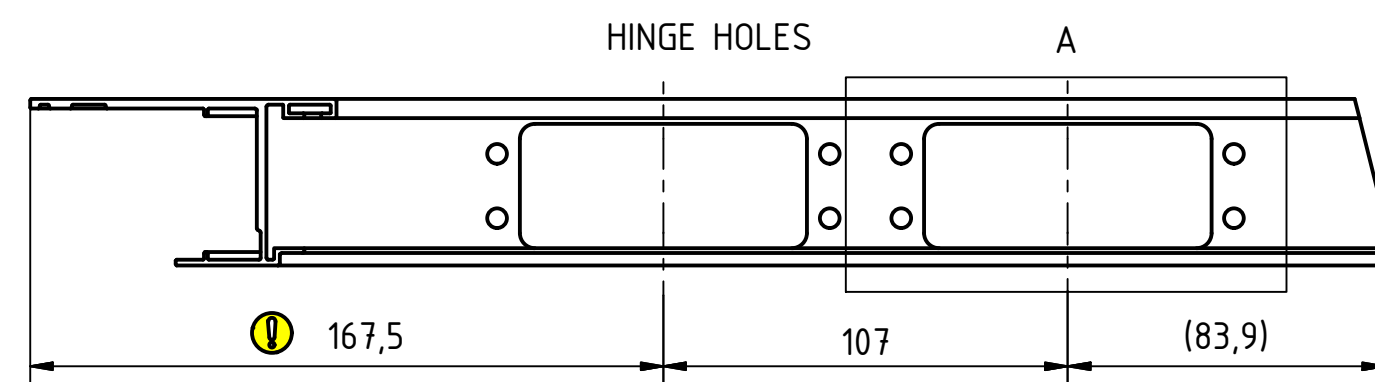
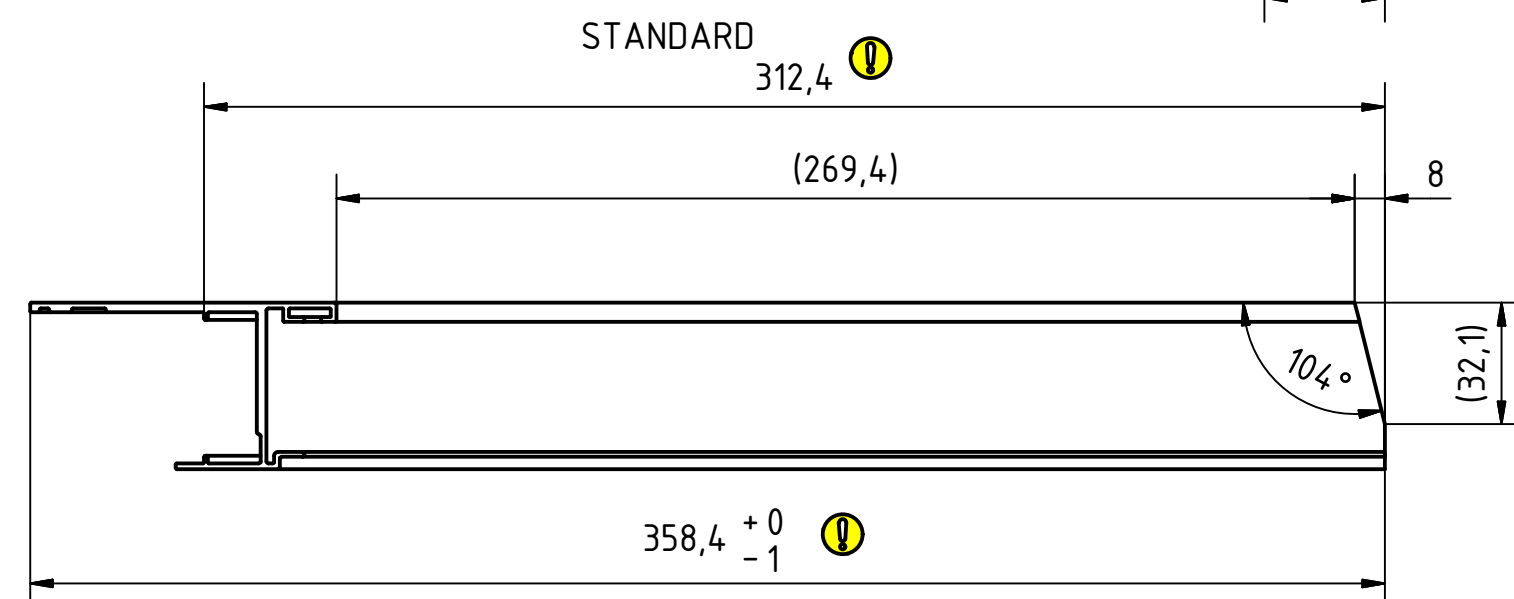
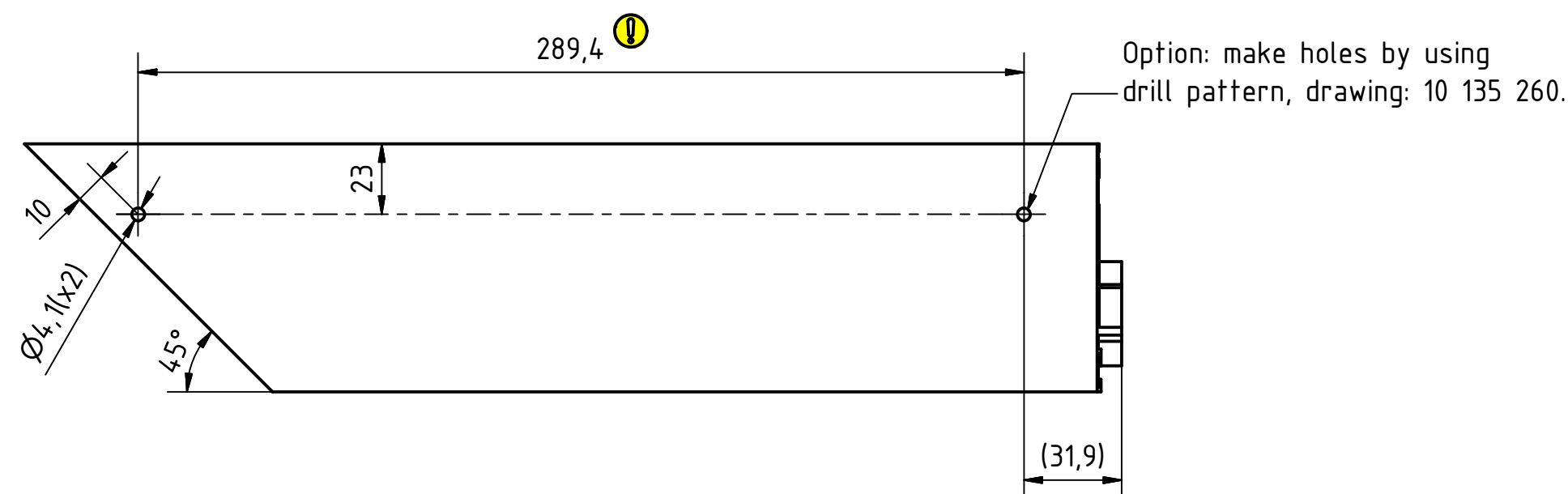
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FF Installation manual

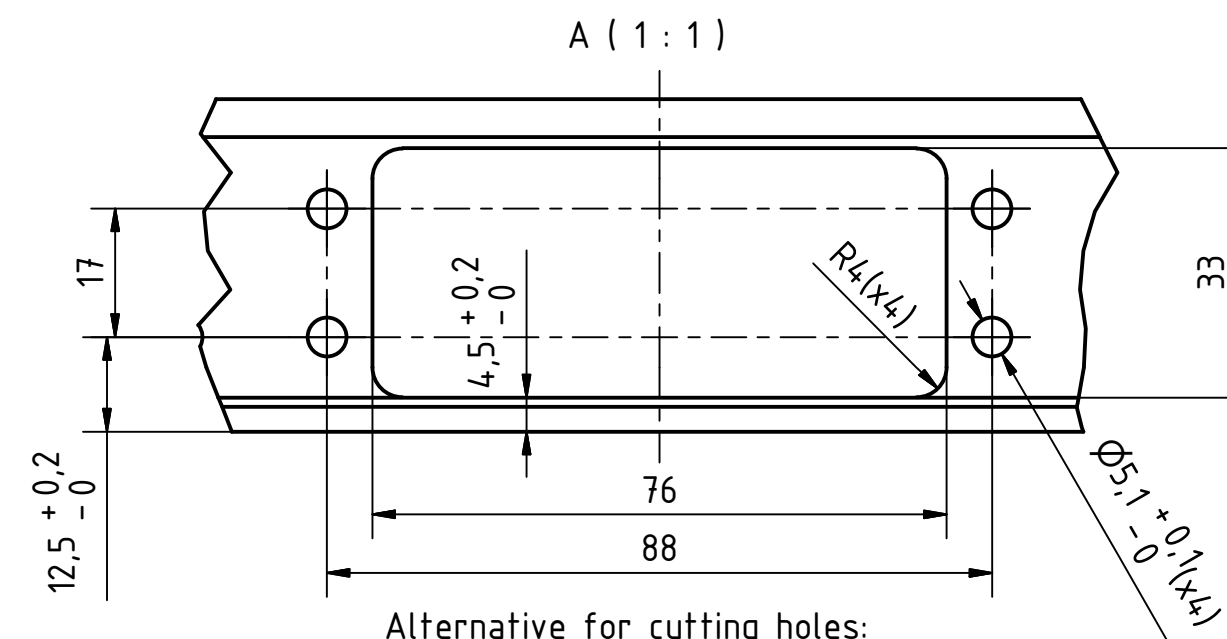
appendix

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RELEASED FOR
PRODUCTION



Alternative for cutting holes:
use profile 1033LSB, drwaing 58 148 800.

ISO 2768m	TOLERANCE
0,5-3	±0,1
>3-6	±0,1
>6-30	±0,2
>30-120	±0,3
>120-400	±0,5
>400-1000	±0,8
>1000-2000	±1,2
>2000-4000	±2

Left and right version, right handed version drawn

ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS
------	-----	-------------	--------------	-------------	-----------	---------

11-6-2014	358.4 was 355, 167.5 was 160.6, 181 was 179.1, 312.4 was 309, 289.4 was 285.5.	MaKr
05-03-2013	Added 12,5, 4,5, changed 355 (was 353,8), 285,5 (was 284,4), 160,6 (was 157,5), 179,1 (was 176), removed 14 & 6	GiKu
11-08-2011	RFP was FIO.	JoFr
REVISION DATE	DESCRIPTION	NAME

SCALE: 1:2	GENERAL ROUGHNESS 3.2	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK
---------------	-----------------------------	------------	-------------	---

MATERIAL	Aluminium 6063 T6
TREATMENT	...

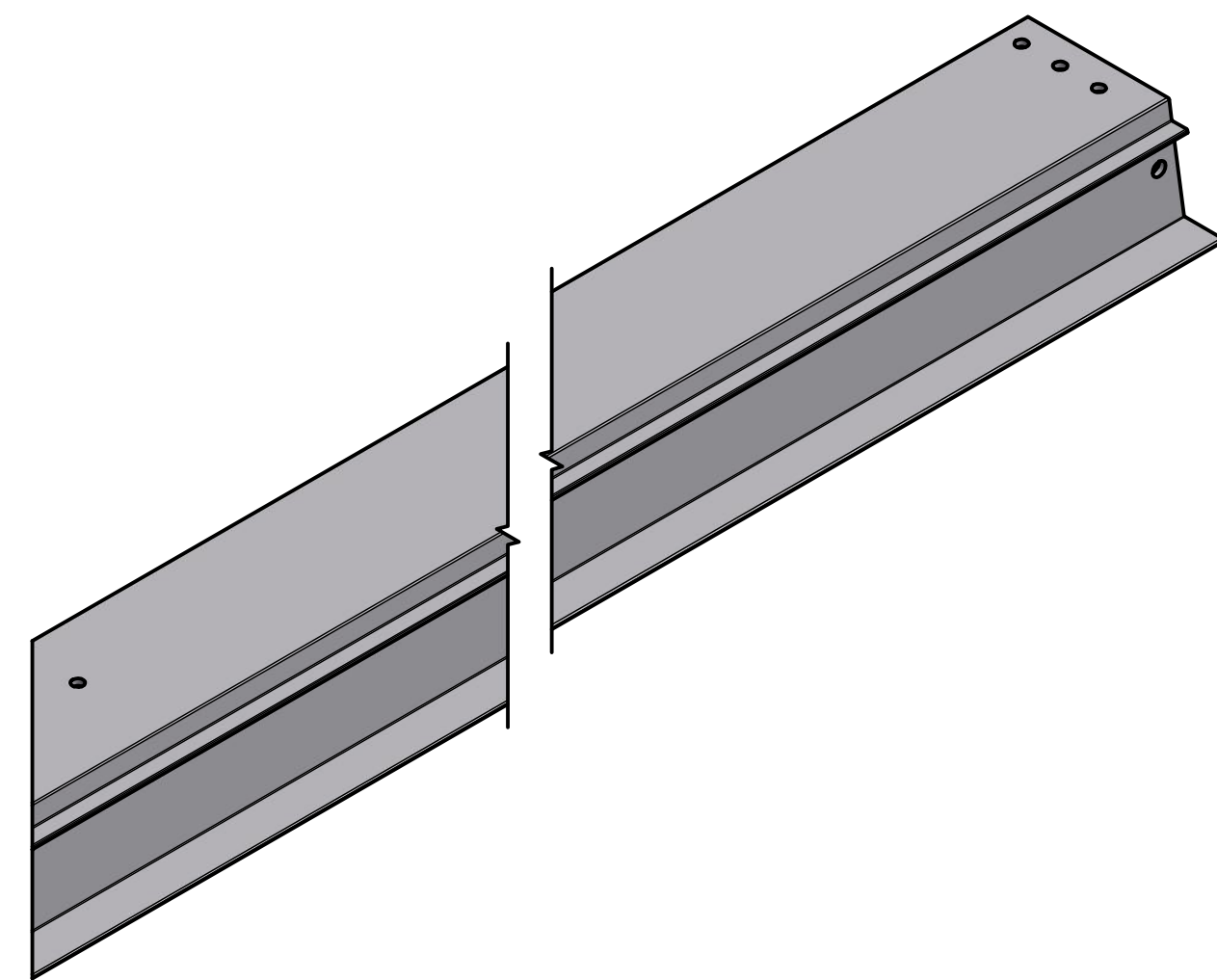
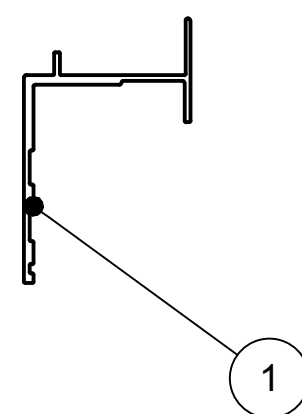
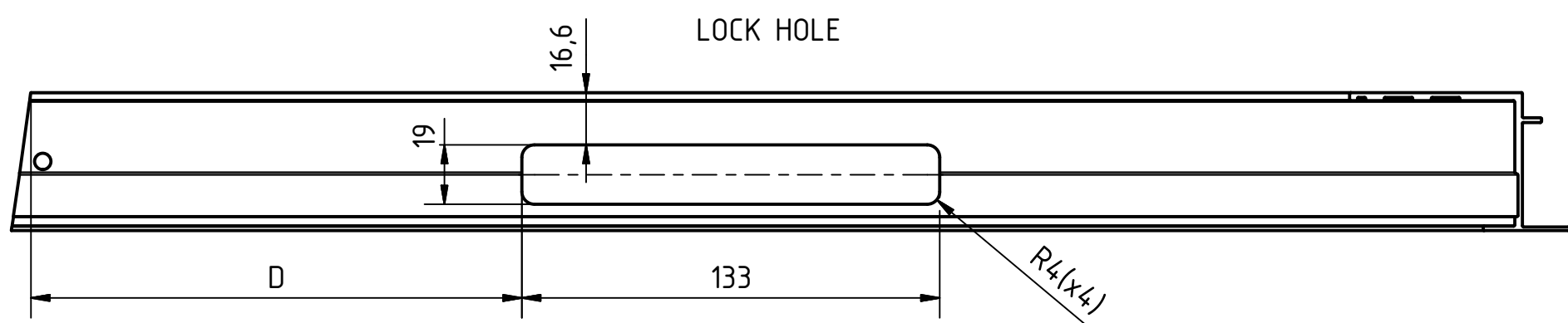
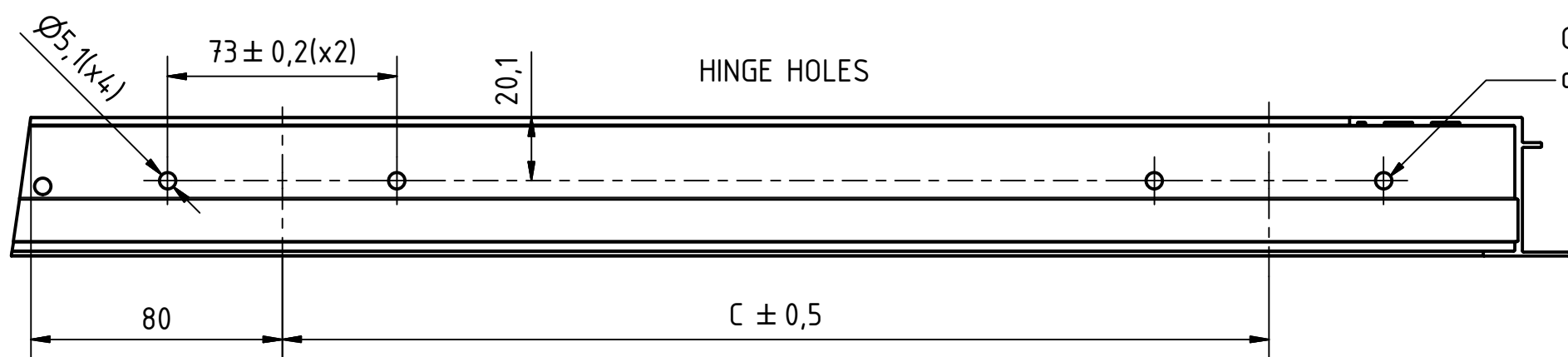
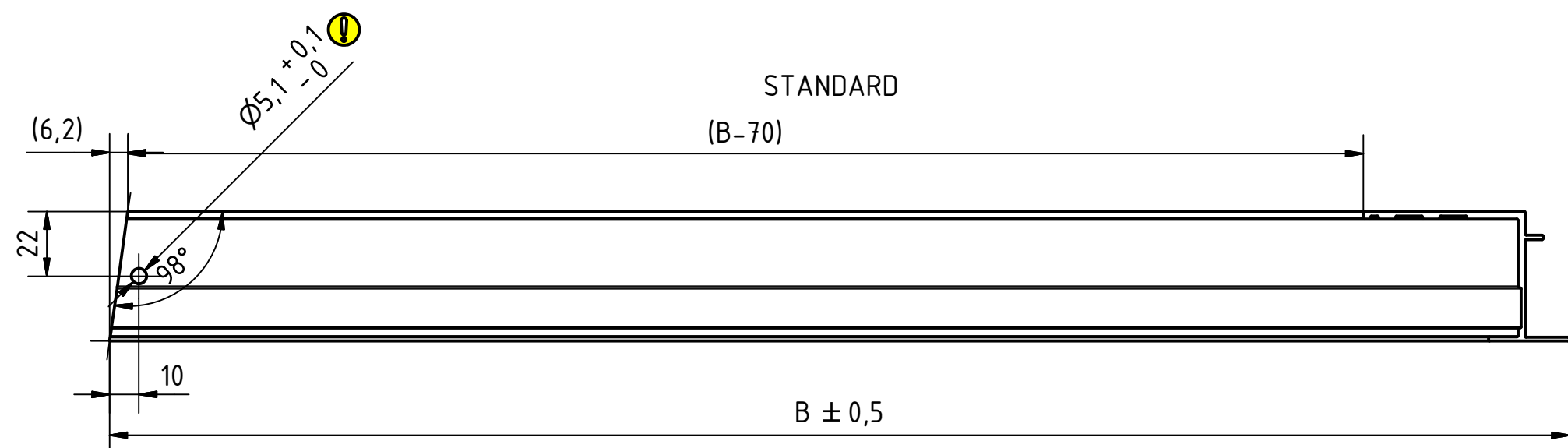
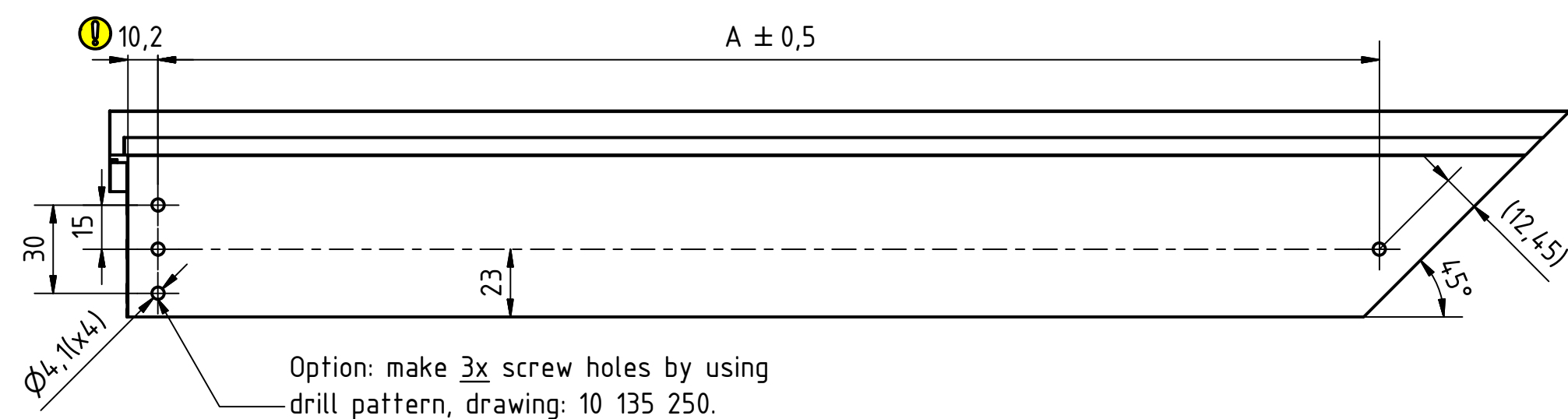
DESCRIPTION	Safe Step sheet top panels	DRAWING NO.	58 148 330	FORM.: A2
ARTICLE CODE	...	REVISION DATE	11-06-2014	
NAME	JoFr			
DATE	11-11-2010			
NETT WEIGHT	... kg			

flexiforce
innovations for overhead doors

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WEIGHT	- kg/m
VOLUME	- mm ³
AREA	- mm ²

	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016	
STANDARD	500/610	ALS3-300T00R/L	ALS3-300T01R/L	ALS3-300T02R/L	0,275 kg
HINGE HOLES	500/610	ALS3-300T10R/L	ALS3-300T11R/L	ALS3-300T12R/L	0,241 kg
LOCK HOLE	500/610	ALS3-300T20R/L	ALS3-300T21R/L	ALS3-300T22R/L	0,271 kg



RELEASED FOR PRODUCTION

Left and right version, right handed version drawn

ISO 2768m	TOLERANCE
0.5-3	±0.1
>3-6	±0.1
>6-30	±0.2
>30-120	±0.3
>120-400	±0.5
>400-1000	±0.8
>1000-2000	±1.2
>2000-4000	±2

! Changed / Added

1	1	Alu for Door Panel	1033LD...	58 149 000	04-08-2011	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

06-03-2013	! Added hole 5,1, changed 10,2 (was 9,8), Dim B(was 492 & 602)	GiKu
11-08-2011	RFP was FIO. Changed Dim.A. and Dim.B..	JoFr
28-12-2010	Adjusted drawing numbers of drill patterns.	JoFr
REVISION DATE	DESCRIPTION	NAME

SCALE: 1:2	GENERAL ROUGHNESS 3.2	PROJ.:	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK
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MATERIAL	Aluminium 6063 T6
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TREATMENT	...
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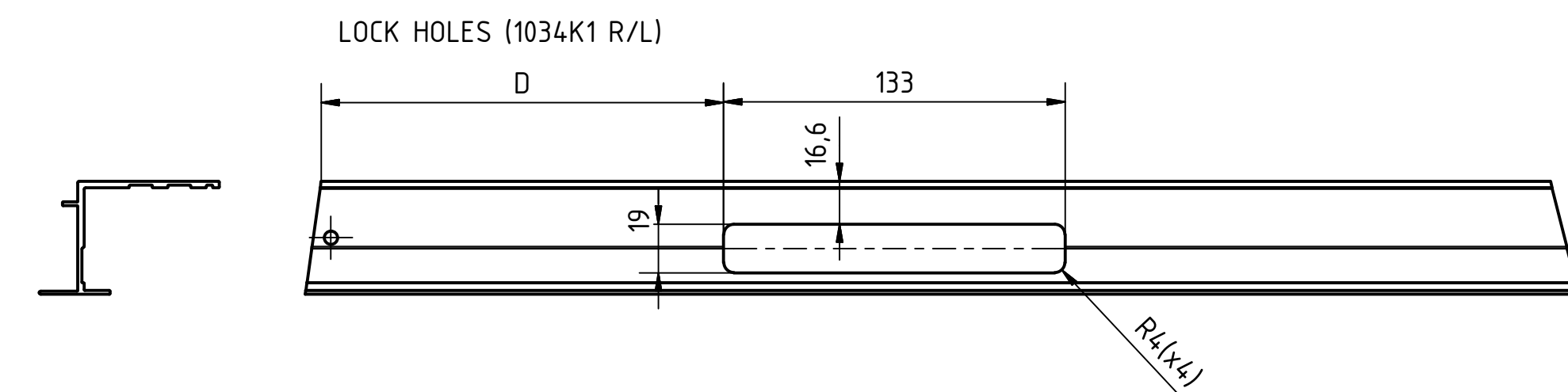
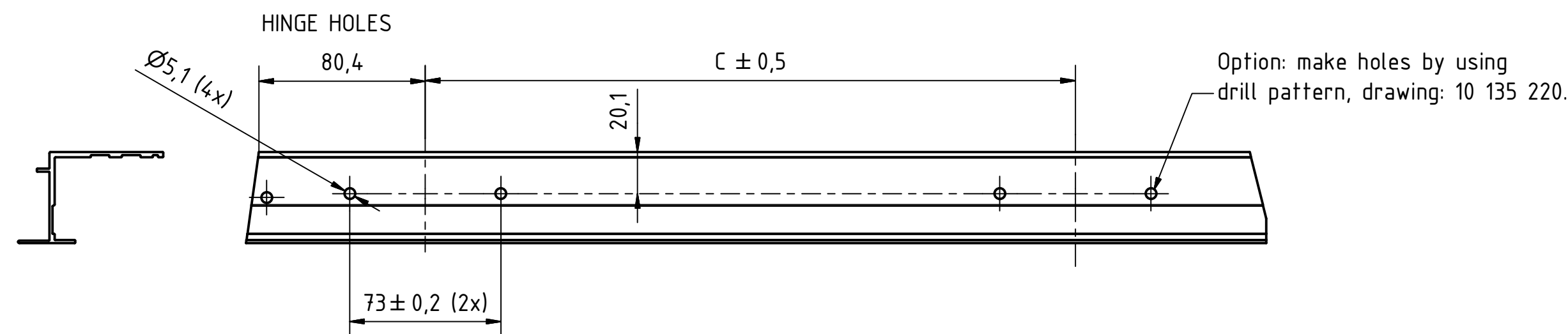
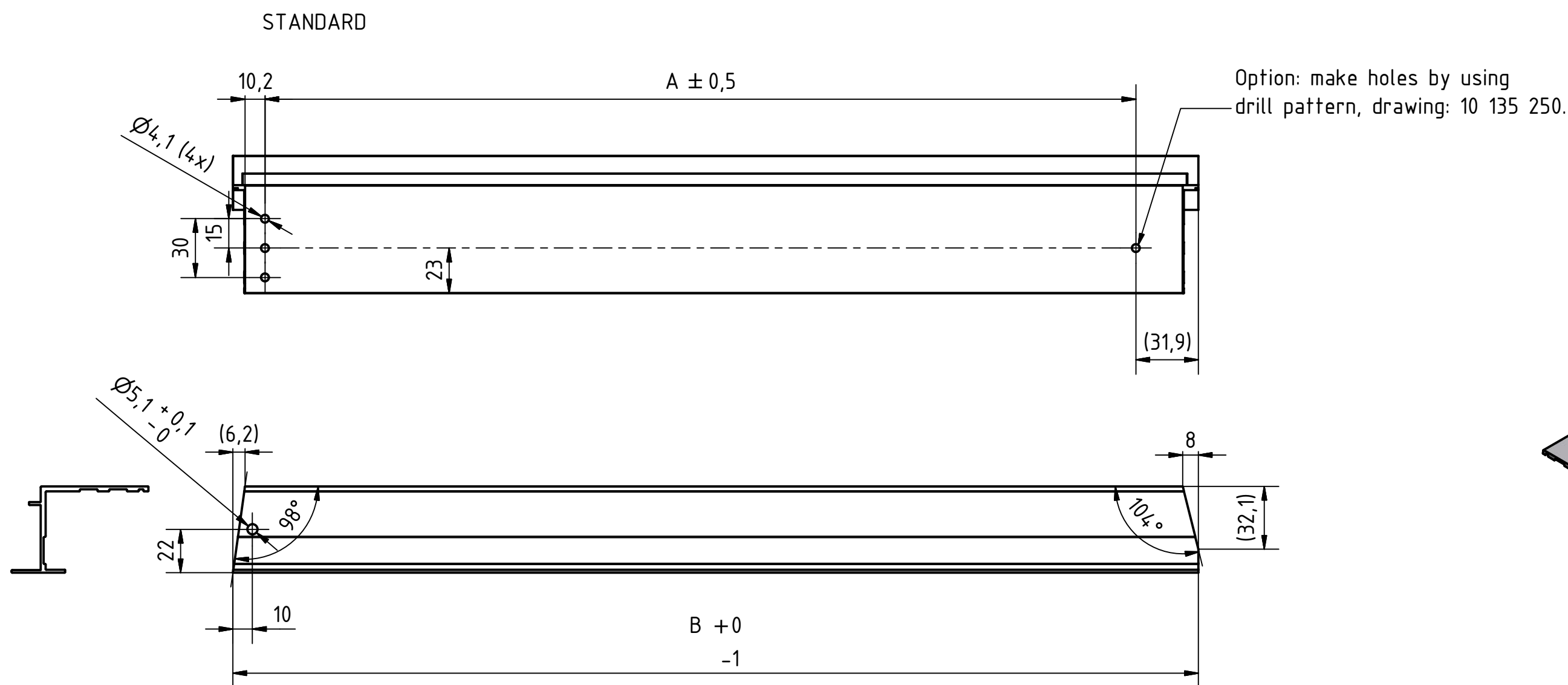
DESCRIPTION	Safe Step door bottom panels	DRAWING NO.	58 149 310	FORM.: A2
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ARTICLE CODE	...	REVISION DATE	06-03-2013
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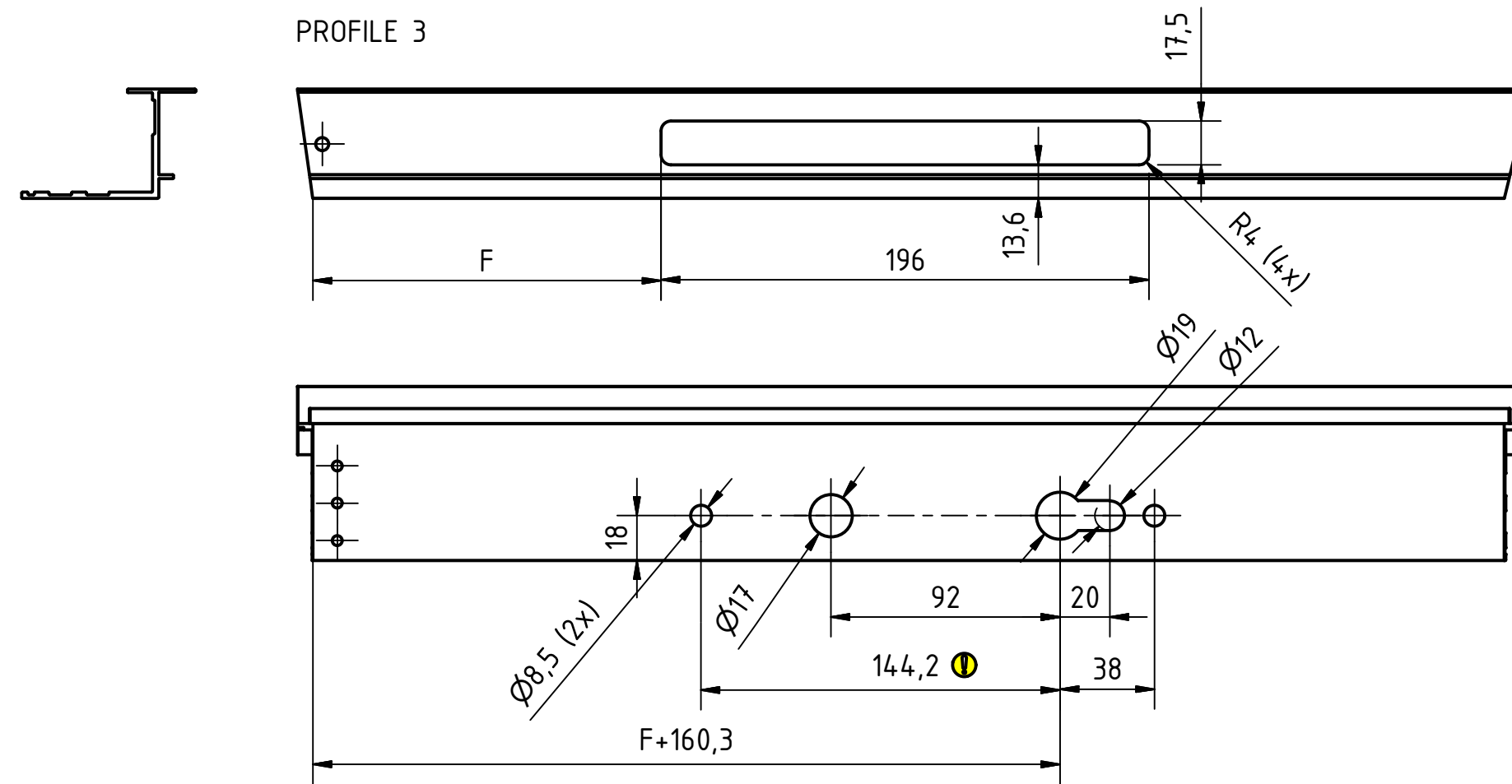
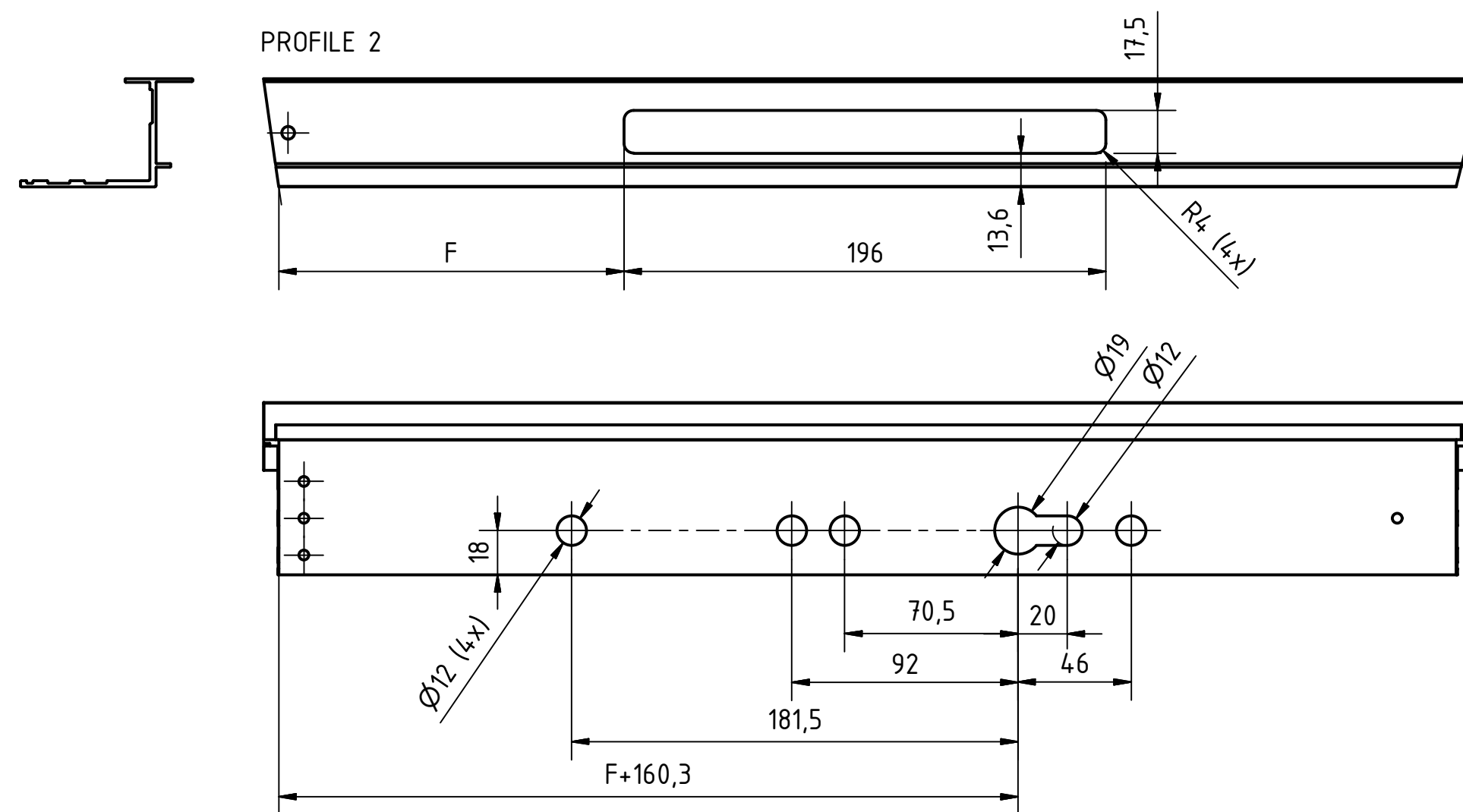
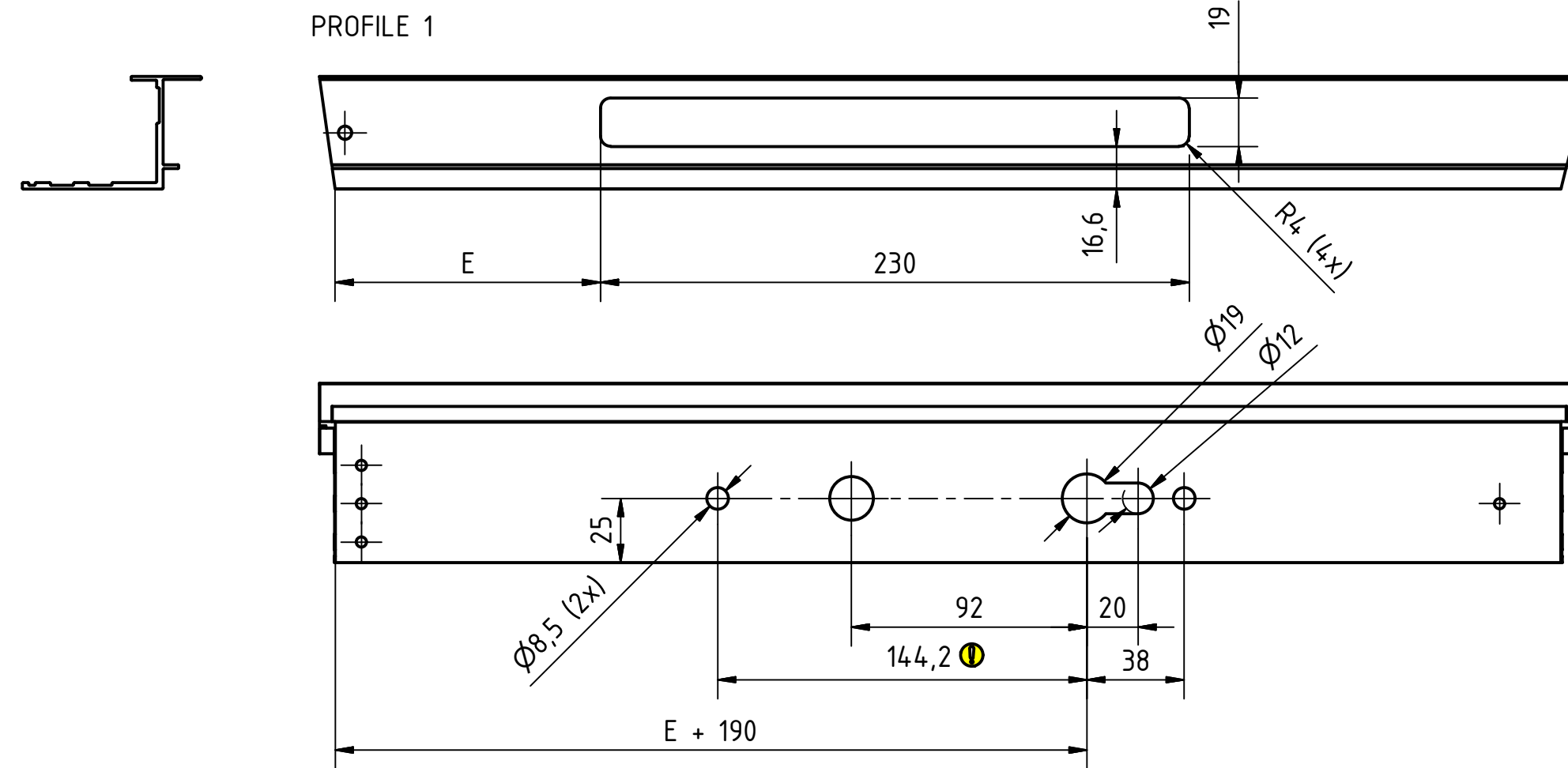
NAME	JoFr	 innovations for overhead doors	This drawing is property of FlexiForce, and contains confidential information. All rights strictly reserved. Reproduction, use for production purposes, issue to third parties, in any form whatever, is not permitted without written authority from the proprietors.	WEIGHT	- kg
DATE	11-11-2010			VOLUME	- mm³
NETT WEIGHT	... kg			AREA	- mm²

	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	Dim.A	! Dim.B	Dim.C	Dim.D	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016					
STANDARD	500	ALD1-500T00R/L	ALD1-500T01R/L	ALD1-500T02R/L	414,9	495,9	-	-	0,307 kg
HINGE HOLES	500	ALD1-500T10R/L	ALD1-500T11R/L	ALD1-500T12R/L	414,9	495,9	314	-	0,306 kg
LOCK HOLE	500	ALD1-500T20R/L	ALD1-500T21R/L	ALD1-500T22R/L	414,9	495,9	-	156,3	0,293 kg
STANDARD	610	ALD1-610T00R/L	ALD1-610T01R/L	ALD1-610T02R/L	524,9	605,9	-	-	0,375 kg
HINGE HOLES	610	ALD1-610T10R/L	ALD1-610T11R/L	ALD1-610T12R/L	524,9	605,9	424	-	0,373 kg
LOCK HOLE	610	ALD1-610T20R/L	ALD1-610T21R/L	ALD1-610T22R/L	524,9	605,9	-	211,3	0,357 kg

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	LOCK		
	1034CLM	1034LOCK	1034LK1R/L
GRIP / PLATE			
1034P	PROFILE 2	PROFILE 2	-
1034PGN	PROFILE 3	PROFILE 3	PROFILE 1
1034PGHN	PROFILE 3	PROFILE 3	PROFILE 1



Added / Changed

Left and right version, right handed version drawn

1	1	Alu for Door Panel	1033LD...	58 149 000	07-03-2019	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS
14-07-2020		Changed DIM 144,2 (was 164,2), changed 1034PGN & 1034PGHN (was 1034PG & 1034PGH)				DeTo
26-11-2013		Changed dim. 164,2, (was 157) - added lock table				OLDu
06-03-2013		Added Hole 5,1, changed 10,2 (was 9,8)				GiKu
REVISION DATE		DESCRIPTION				NAME
SCALE:	1:2	GENERAL DIMENSIONS	PROJ.	UNIT:	mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK
MATERIAL		Aluminium 6063 T6				
TREATMENT		...				
DESCRIPTION		Safe Step door middle panels	DRAWING NO.	58 149 320	FORM:	A1
ARTICLE CODE		...	REVISION DATE	14-07-2020		
NAME		JoFr			WEIGHT	- kg/m
DATE		11-Nov-10			VOLUME	- mm³
NETT WEIGHT		...			AREA	- mm²

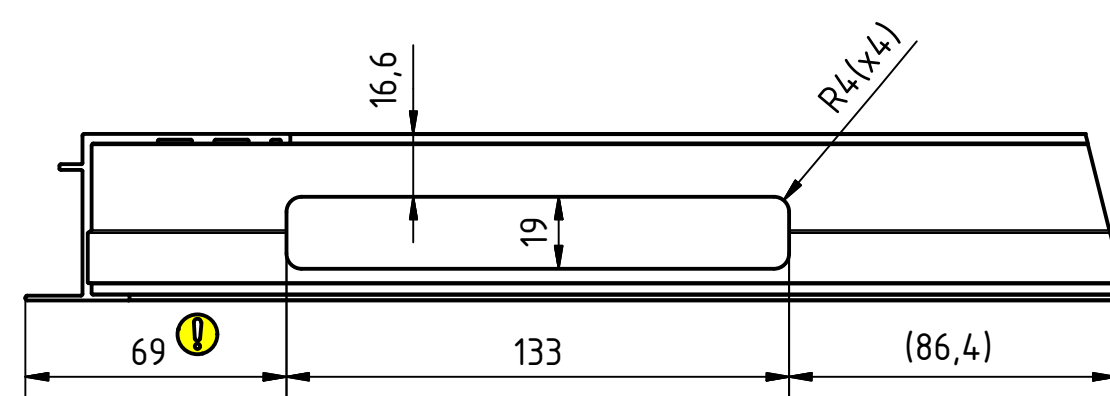
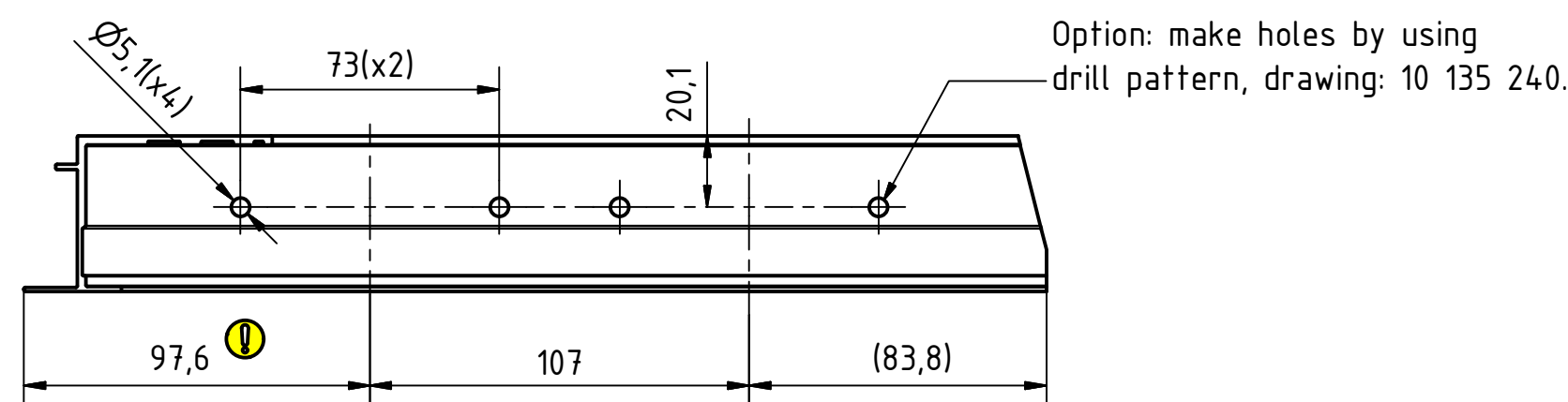
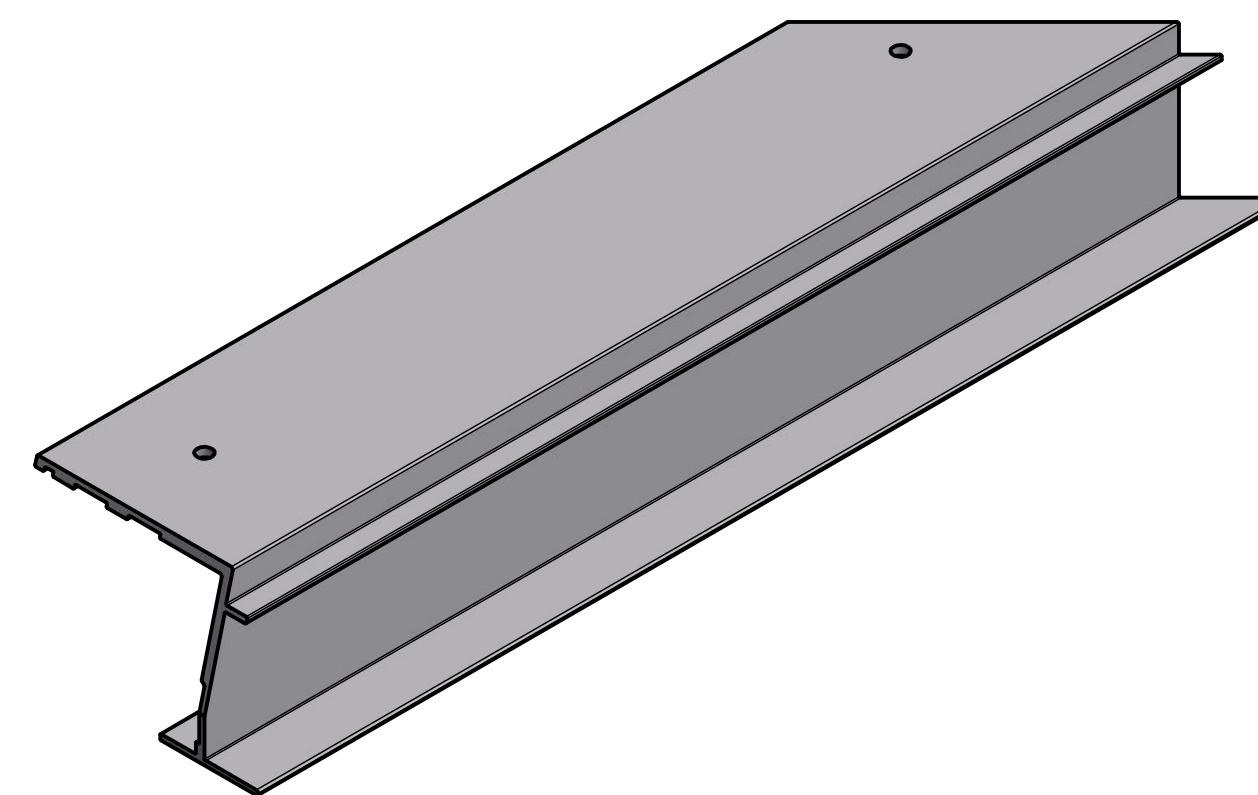
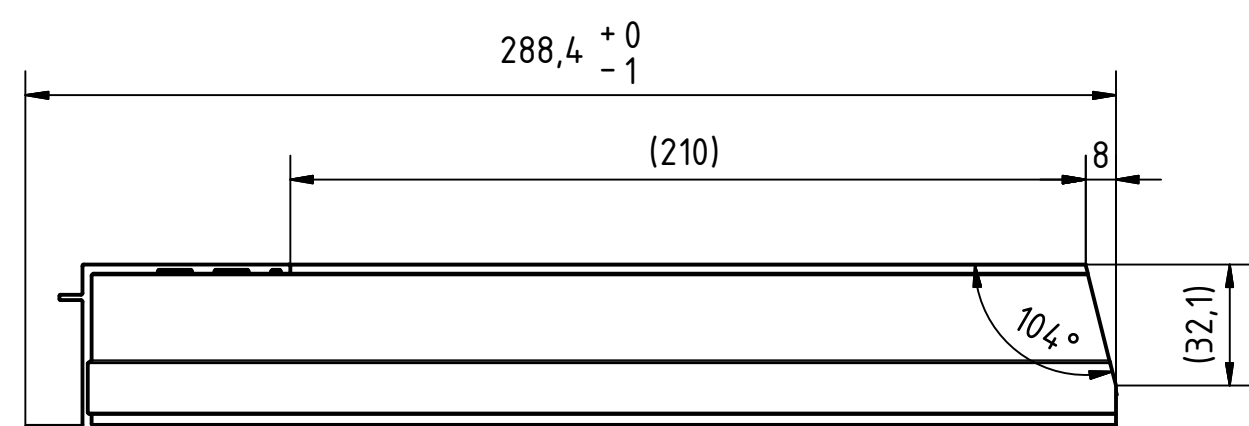
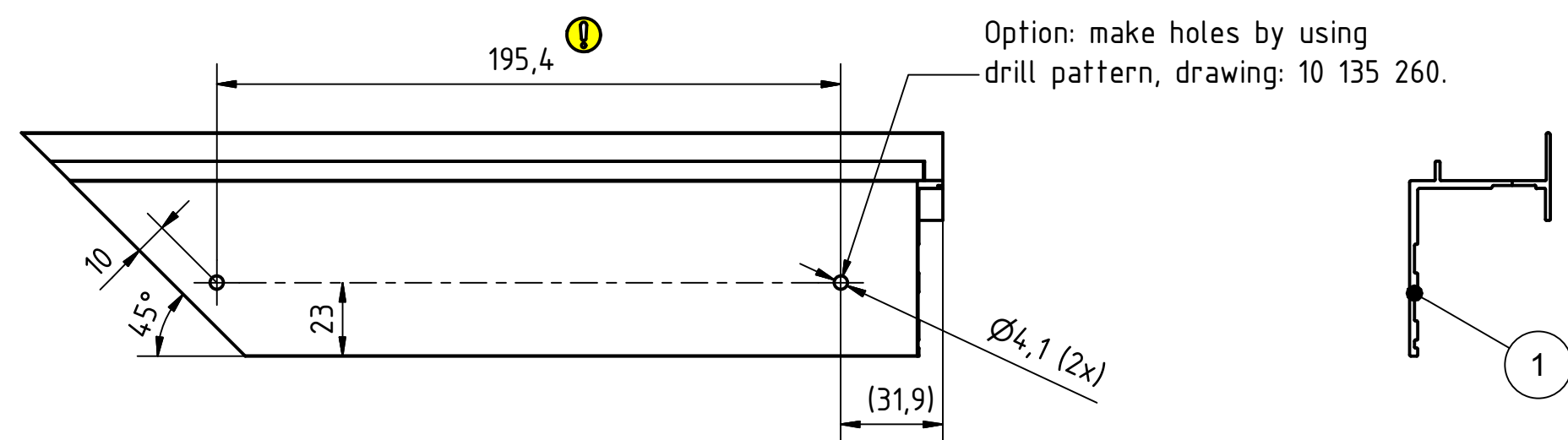
	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	Dim.A	Dim.B	Dim.C	Dim.D	Dim.E	Dim. F	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016							
STANDARD	500	ALD2-500T00R/L	ALD2-500T01R/L	ALD2-500T02R/L	444,5	492,8	-	-	-	-	0,322 kg
HINGE HOLES	500	ALD2-500T10R/L	ALD2-500T11R/L	ALD2-500T12R/L	444,5	492,8	314	-	-	-	0,321 kg
LOCK HOLE	500	ALD2-500T20R/L	ALD2-500T21R/L	ALD2-500T22R/L	444,5	492,8	-	156,3	-	-	0,309 kg
PROFILE 1	500	ALD2-500T30R/L	ALD2-500T31R/L	ALD2-500T32R/L	444,5	492,8	-	-	103,2	-	0,295 kg
PROFILE 2	500	ALD2-500T40R/L	ALD2-500T41R/L	ALD2-500T42R/L	444,5	492,8	-	-	-	139,9	0,297 kg
PROFILE 3	500	ALD2-500T50R/L	ALD2-500T51R/L	ALD2-500T52R/L	444,5	492,8	-	-	-	139,9	0,301 kg
STANDARD	610	ALD2-610T00R/L	ALD2-610T01R/L	ALD2-610T02R/L	554,5	602,8	-	-	-	-	0,393 kg
HINGE HOLES	610	ALD2-610T10R/L	ALD2-610T11R/L	ALD2-610T12R/L	554,5	602,8	424	-	-	-	0,392 kg
LOCK HOLE	610	ALD2-610T20R/L	ALD2-610T21R/L	ALD2-610T22R/L	554,5	602,8	-	211,3	-	-	0,377 kg
PROFILE 1	610	ALD2-610T30R/L	ALD2-610T31R/L	ALD2-610T32R/L	554,5	602,8	-	-	158,2	-	0,36 kg
PROFILE 2	610	ALD2-610T40R/L	ALD2-610T41R/L	ALD2-610T42R/L	554,5	602,8	-	-	-	194,9	0,362 kg
PROFILE 3	610	ALD2-610T50R/L	ALD2-610T51R/L	ALD2-610T52R/L	554,5	602,8	-	-	-	194,9	0,365 kg

ISO 2768m	TOLERANCE
0,5-3	±0,1
3-6	±0,1
6-30	±0,2
30-120	±0,3
120-400	±0,5
400-1000	±0,8
1000-2000	±1,2
2000-4000	±2

flexiforce

innovations for overhead doors

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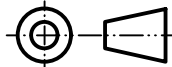
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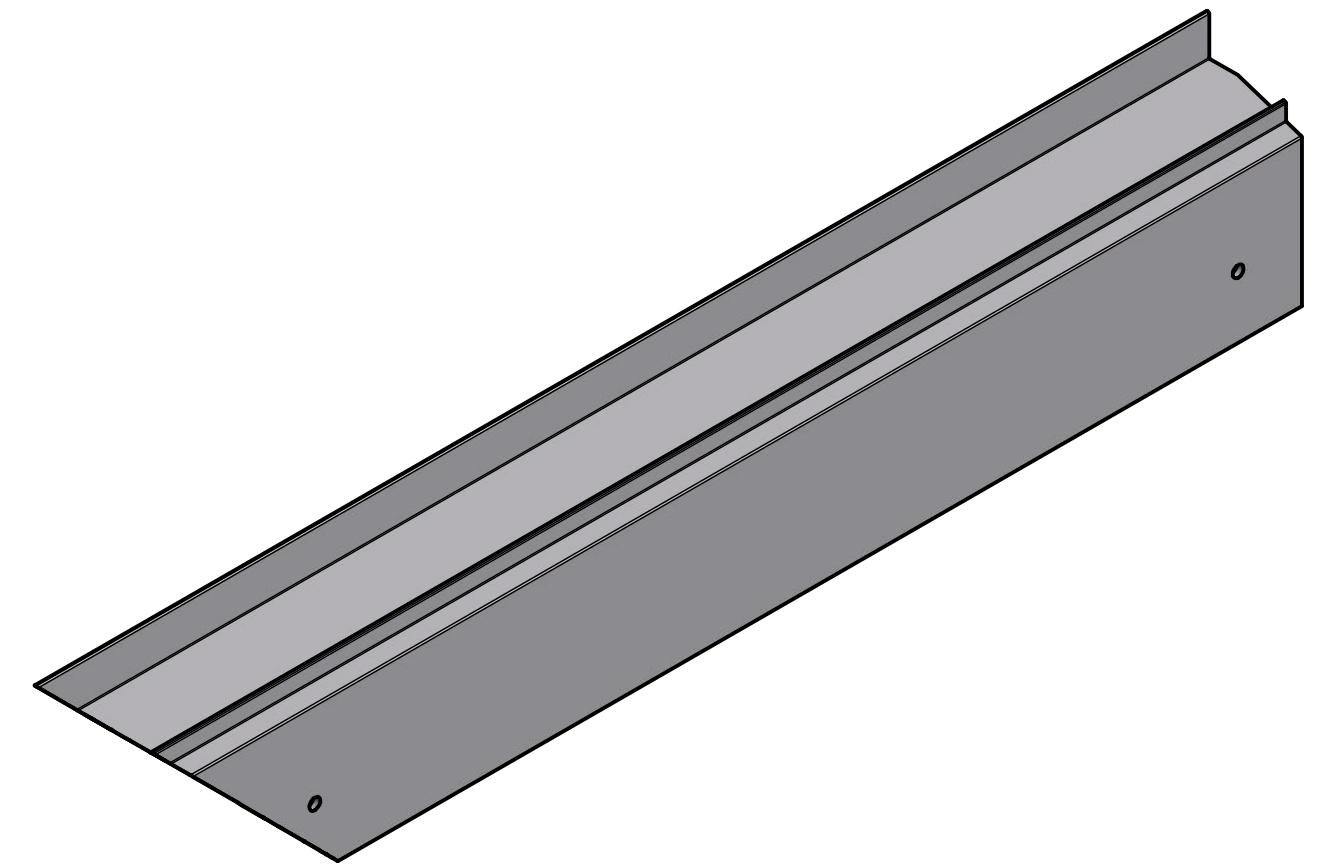
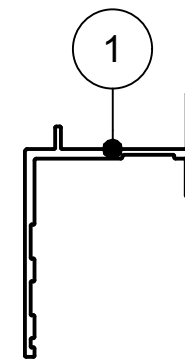
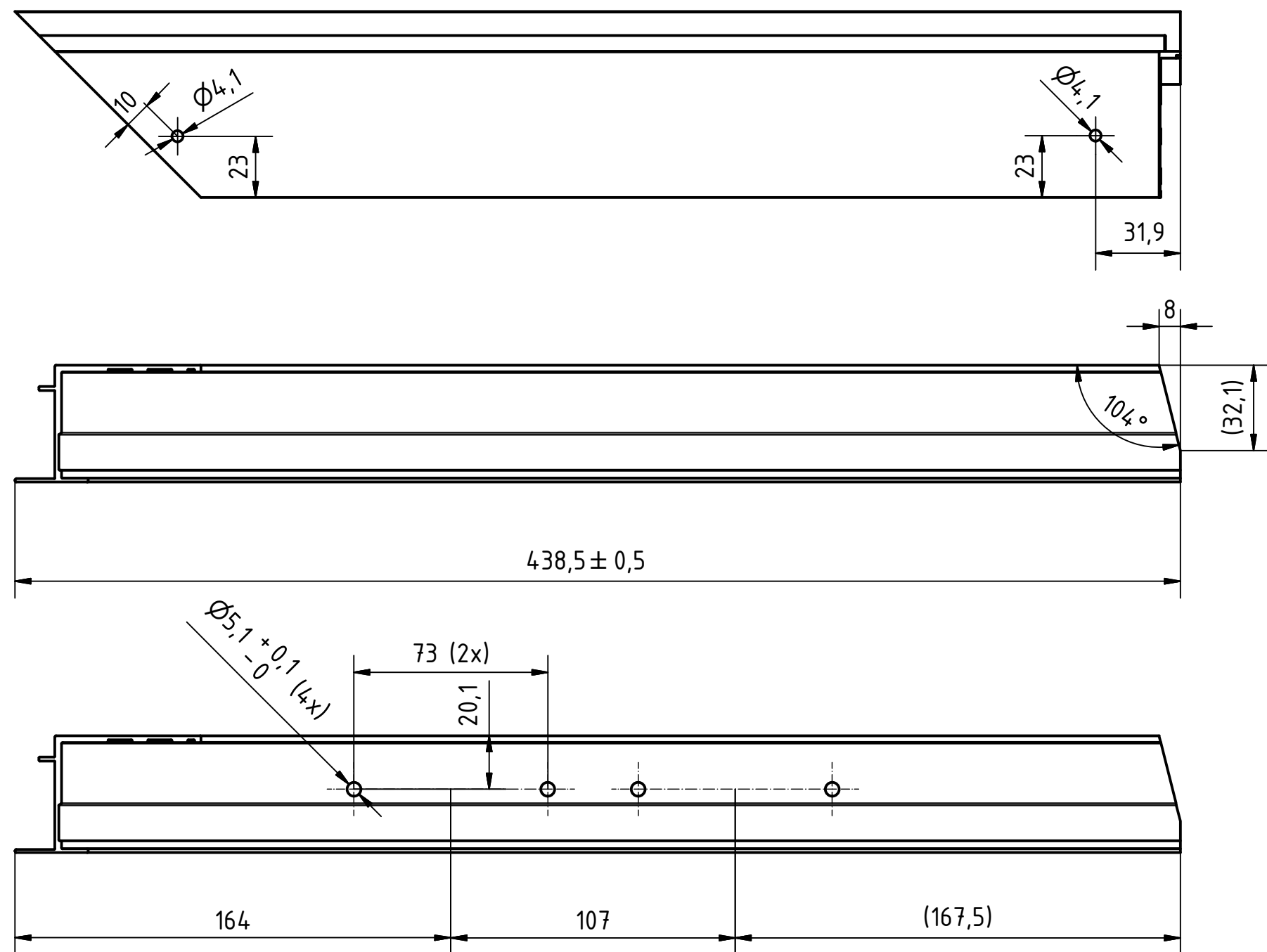
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NOMINAL DIMENSION	ISO 2768m		TOLERANCE
	0.5-3		±0.1
	>3-6		±0.1
	>6-30		±0.2
	>30-120		±0.3
	>120-400		±0.5
	>400-1000		±0.8
	>1000-2000		±1.2
	>2000-4000		±2

Left and right version, right handed version drawn

	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016	
STANDARD	500/610	ALD3-300T00R/L	ALD3-300T01R/L	ALD3-300T02R/L	0,167 kg
HINGE HOLES	500/610	ALD3-300T10R/L	ALD3-300T11R/L	ALD3-300T12R/L	0,166 kg
LOCK HOLE	500/610	ALD3-300T20R/L	ALD3-300T21R/L	ALD3-300T22R/L	0,153 kg

1	1	Alu for Door Panel	1033LD...	58 149 000	04-08-2011	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS
11-06-2014		Ⓢ Dim 288.4 was 285, 97.6 was 90.9, 69was 61, 195.4 was 191.8.				MaKr
06-03-2013		Changed 191,8 (was 190,6), 285 (was 284), 90,9 (was 88)				GiKu
11-08-2011		RFP was FIO.				JoFr
REVISION DATE		DESCRIPTION				NAME
SCALE:	GENERAL ROUGHNESS:	PROJ.:	UNIT:	TOLERANCES UNLESS OTHERWISE STATED		
1:2	3.2		mm	Acc. TO ISO 2768-mK		
MATERIAL		Aluminium 6063 T6				
TREATMENT		...				
DESCRIPTION	Safe Step door top panels		DRAWING NO.	58 149 330		FORM.:
ARTICLE CODE	...		REVISION DATE	11-06-2014		A2
NAME	JoFr		flexiforce innovations for overhead doors This drawing is property of FlexiForce, and contains confidential information. All rights strictly reserved. Reproduction, use for production purposes, issue to third parties, in any form whatever, is not permitted without written authority from the proprietors.			
DATE	11-11-2010					
NETT WEIGHT	... kg					
			WEIGHT	- kg/m		
			VOLUME	- mm ³		
			AREA	- mm ²		

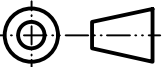


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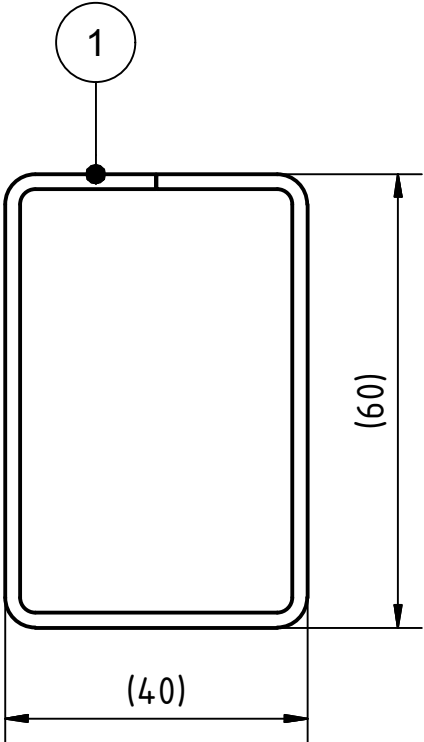
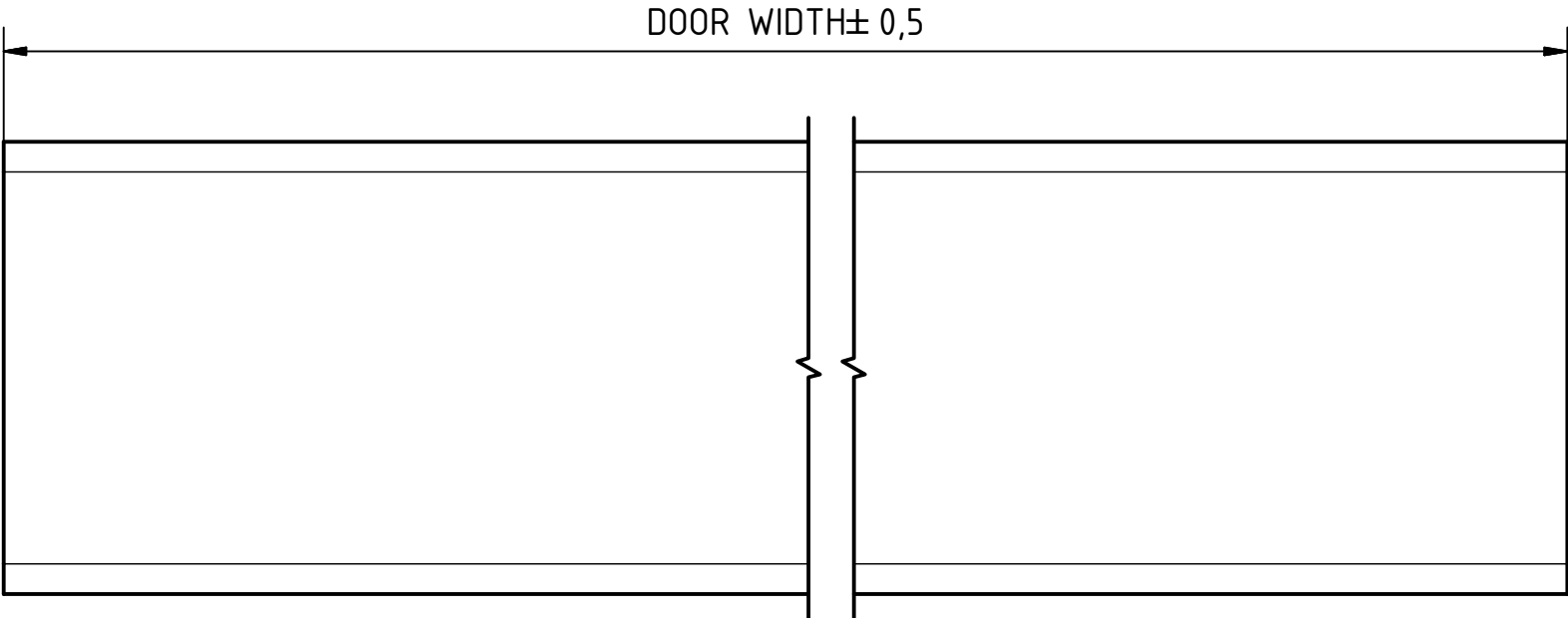
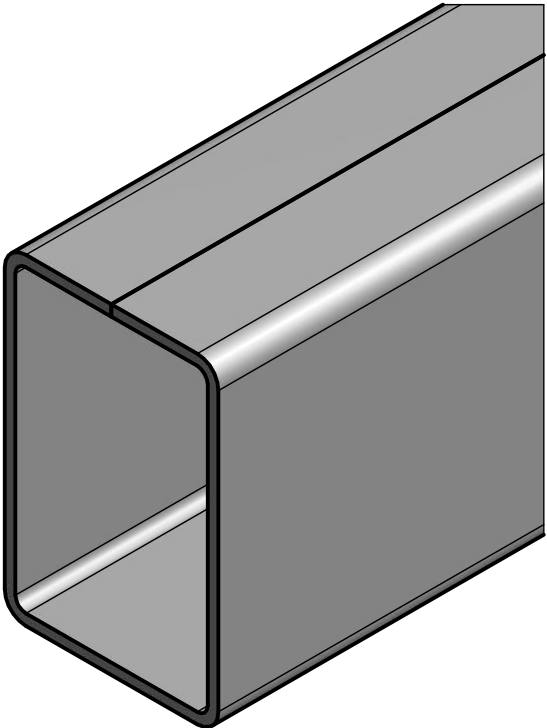
	PANEL HEIGHT	ART.CODE	ART.CODE	WEIGHT
TREATMENT		BRUT	ANODISED	
STANDARD	500/610	ALD3-LSBT00R/L	ALD3-LSBT01R/L	
HINGE HOLES	500/610	ALD3-LSBT10R/L	ALD3-LSBT11R/L	

Left and right version, right handed version drawn

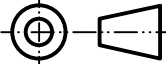
1	1	Alu for Door Panel	1033LD...	58 149 000	04-08-2011	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

REVISION DATE		DESCRIPTION		NAME	
SCALE: 1:2	GENERAL ROUGHNESS: 3.2/√	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK	
MATERIAL		Aluminium 6063 T6			
TREATMENT		see table			
DESCRIPTION	Safe Step door: Top section with 1033PS		DRAWING NO.	58 149 340	
ARTICLE CODE			REVISION DATE	7-3-2013	
NAME	JoFr	 innovations for overhead doors		WEIGHT	- kg/m
DATE	11-2-2013			VOLUME	- mm ³
NETT WEIGHT	N/A			AREA	- mm ²
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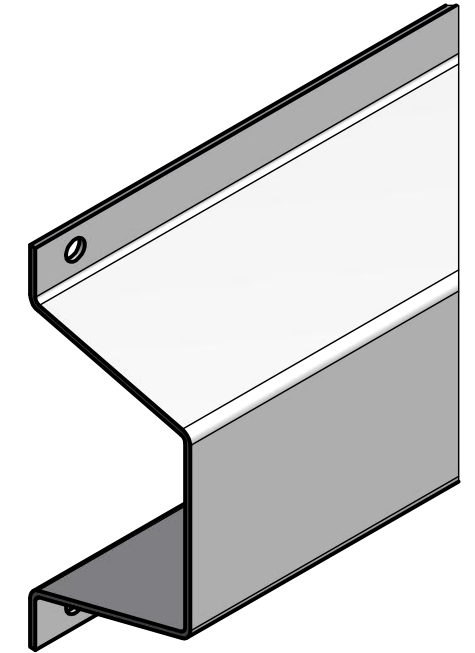
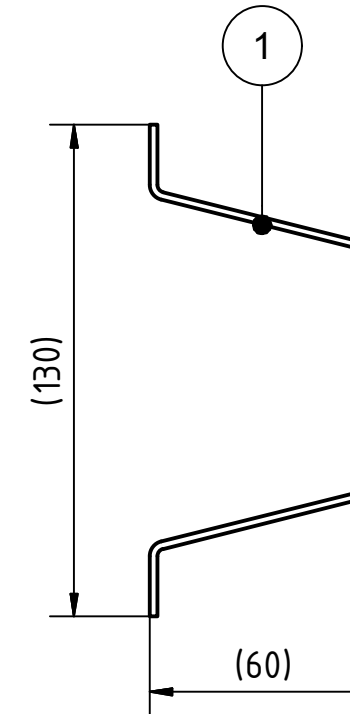
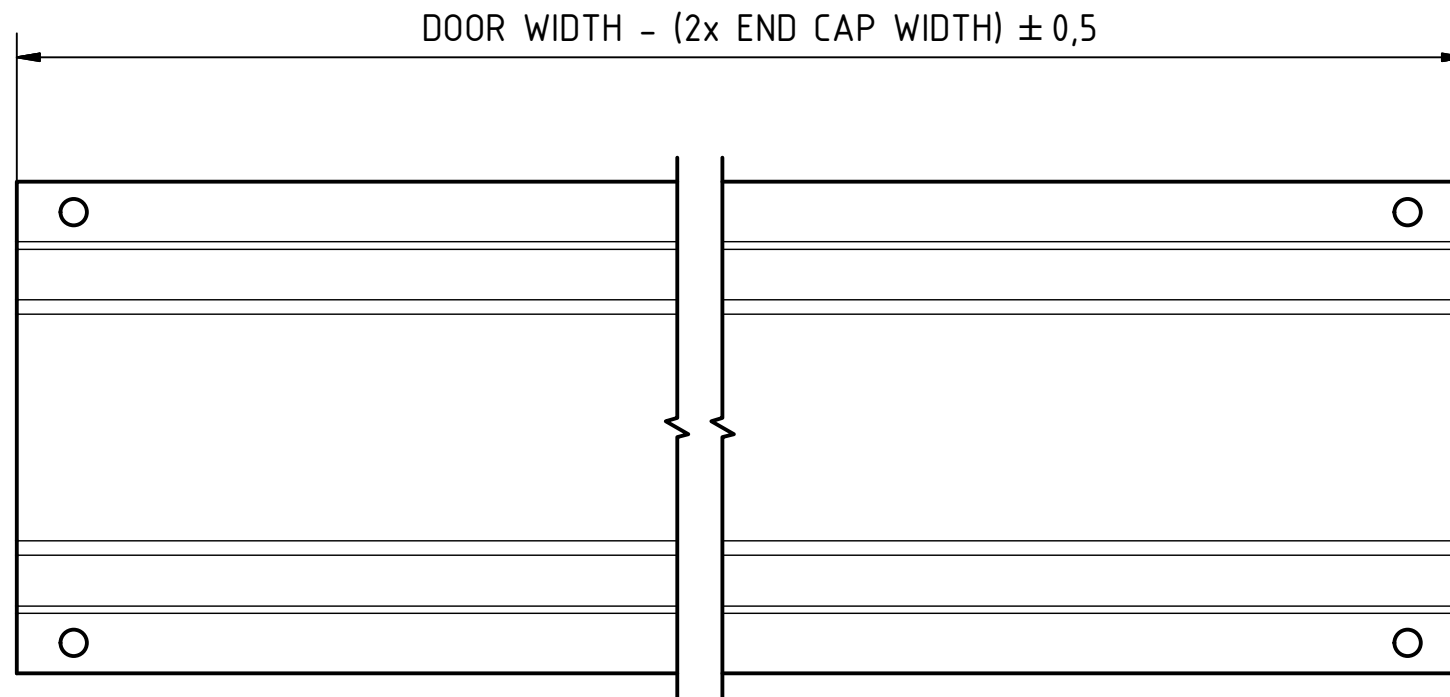


1	1	Box beam	60K40...	55 107 000	11-04-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

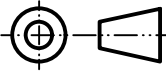
REVISION DATE		DESCRIPTION		NAME	
SCALE: 1:1	GENERAL ROUGHNESS: 3.2✓	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.	
MATERIAL		S235JRG2/Werkstoffnummer 1.0038			
TREATMENT		-			
DESCRIPTION	Box beam		DRAWING NO.	55 107 101	
ARTICLE CODE	60K40-...		REVISION DATE	23-01-2013	
NAME	MaKr			WEIGHT	2,95 kg/m
DATE	23-1-2013			VOLUME	- mm ³
NETT WEIGHT	N/A			AREA	- mm ²
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NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	0.5-3	±0.2	
	>3-6	±0.3	
	>6-30	±0.5	
	>30-120	±0.8	
	>120-400	±1.2	
	>400-1000	±2	
	>1000-2000	±3	
	>2000-4000	±4	

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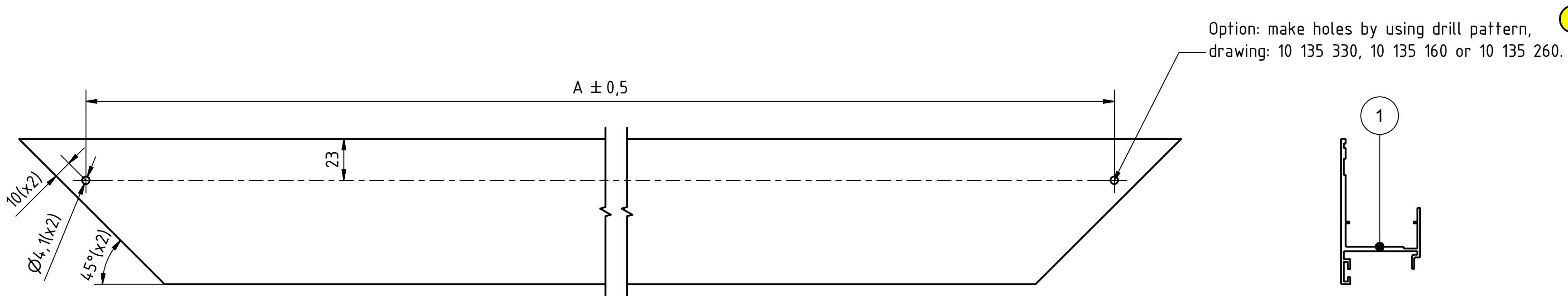


1	1	Passdoor strut	80PS...	56 117 000	10-12-2009	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

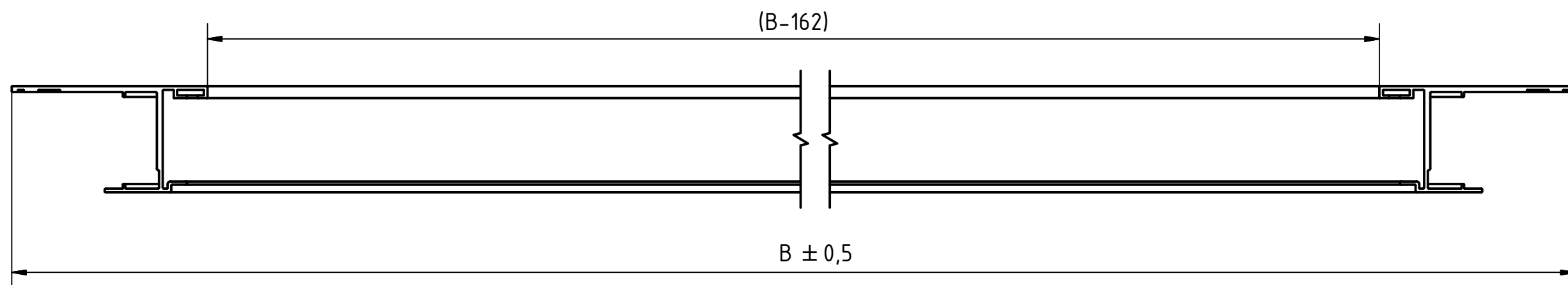
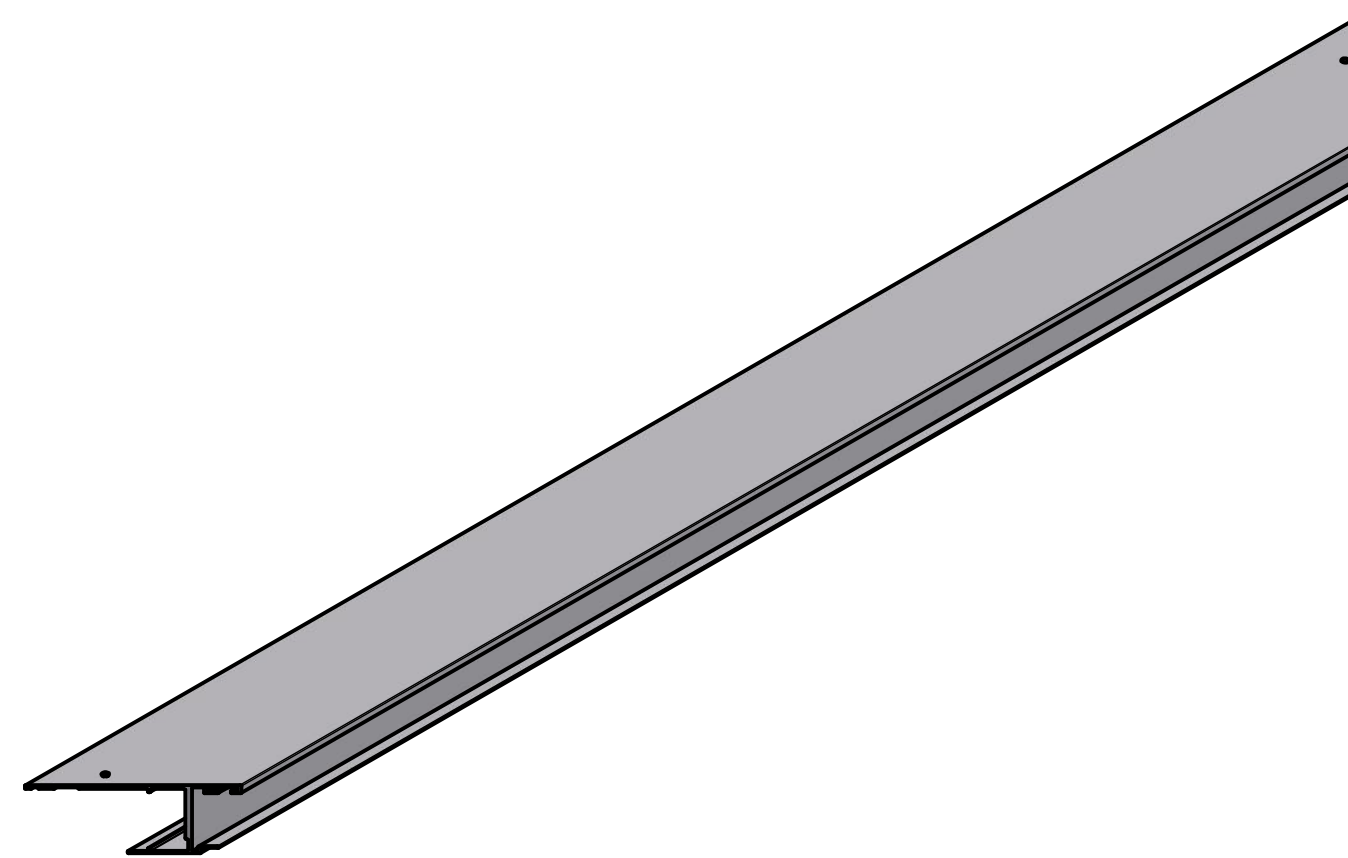
REVISION DATE		DESCRIPTION			NAME	
SCALE: 1:2	GENERAL ROUGHNESS: 3.2✓	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.		
MATERIAL		DX51D+Z200-M-A-C, RAL 9016				
TREATMENT		-				
DESCRIPTION	Passdoor strut		DRAWING NO.	56 117 101		FORM.: A3
ARTICLE CODE	80PS-...		REVISION DATE	23-01-2013		
NAME	MaKr	 FF innovations for overhead doors			WEIGHT	3,42 kg/m
DATE	23-1-2013				VOLUME	- mm ³
NETT WEIGHT	N/A				AREA	- mm ²
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NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	0.5-3	±0.2	
	>3-6	±0.3	
	>6-30	±0.5	
	>30-120	±0.8	
	>120-400	±1.2	
	>400-1000	±2	
	>1000-2000	±3	
	>2000-4000	±4	

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PRODUCTION



ISO 2768m	TOLERANCE
0.5-3	±0.1
>3-6	±0.1
>6-30	±0.2
>30-120	±0.3
>120-400	±0.5
>400-1000	±0.8
>1000-2000	±1.2
>2000-4000	±2

! changed / added

ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS
1	1	Alu for Door Casing	1033LS...	58 148 000	21-02-2011	-

23-01-2013	Updated drill pattern remark	JiGa
05-05-2011	RFP was FIO.	JoFr
28-12-2010	Changed drill pattern drawing number.	JoFr
REVISION DATE	DESCRIPTION	NAME

SCALE: 1:2	GENERAL ROUGHNESS 3.2	PROJ.: ⊕	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK
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MATERIAL	Aluminium 6063 T6
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TREATMENT	...
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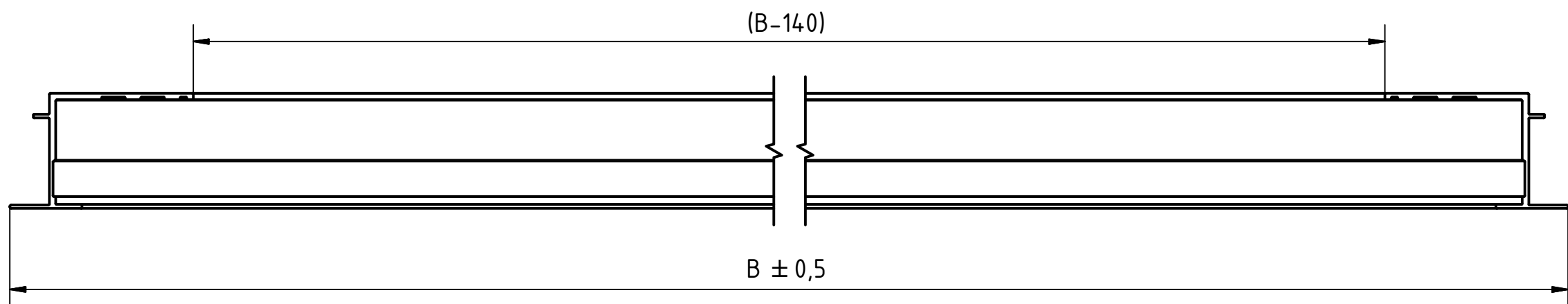
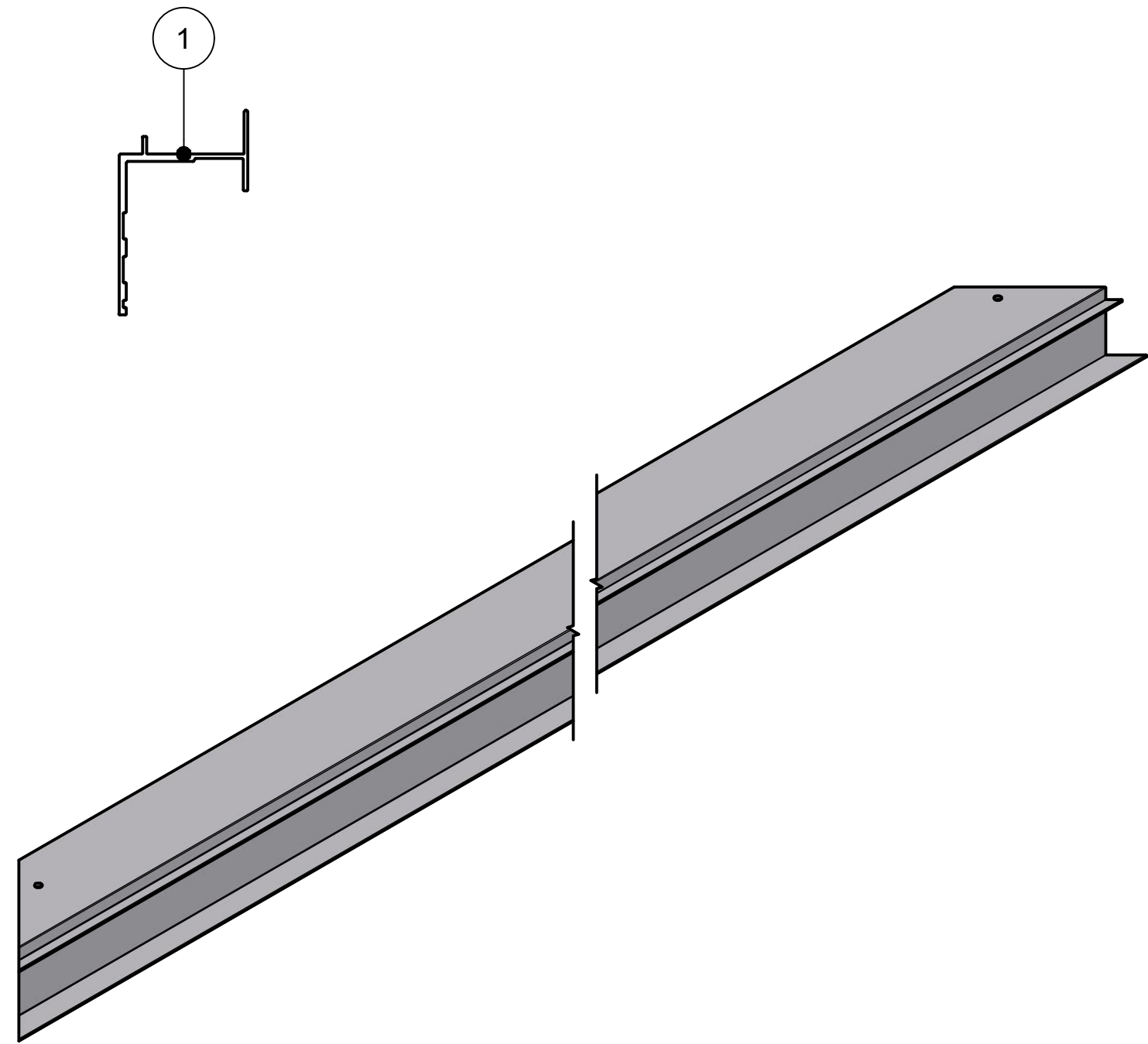
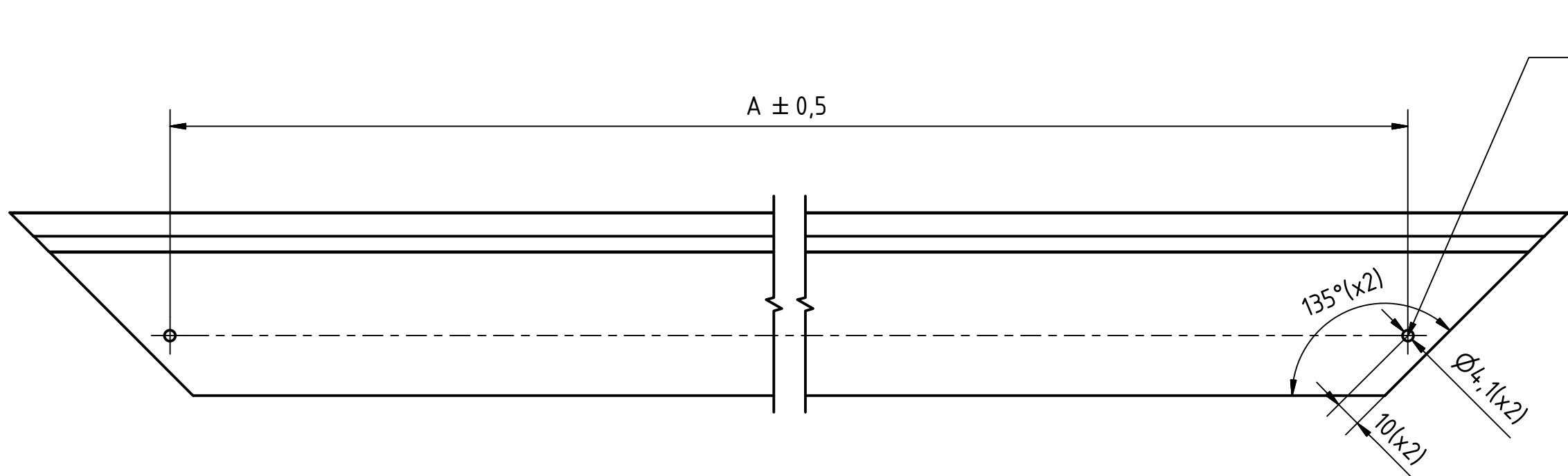
DESCRIPTION	Safe Step sheet horizontal	DRAWING NO.	58 148 140	FORM.: A2
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ARTICLE CODE	...	REVISION DATE	23-01-2013
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NAME	JoFr	flexiforce innovations for overhead doors	WEIGHT	- kg/m
DATE	11-11-2010		VOLUME	- mm ³
NETT WEIGHT	... kg		AREA	- mm ²

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	ART.CODE	ART.CODE	ART.CODE	Dim.A	Dim.B	WEIGHT
TREATMENT	BRUT	ANODISED	WHITE RAL9016			
STANDARD	ALS4-1002U00	ALS4-1002U01	ALS4-1002U02	927,7	1002	0,831 kg
STANDARD	ALS4-1212U00	ALS4-1212U01	ALS4-1212U02	1137,7	1212	1,005 kg



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ISO 2768m		TOLERANCE
NOMINAL DIMENSION	0.5-3	±0.1
	>3-6	±0.1
	>6-30	±0.2
	>30-120	±0.3
	>120-400	±0.5
	>400-1000	±0.8
	>1000-2000	±1.2
	>2000-4000	±2

1	1	Alu for Door Panel	1033LD...	58 149 000	04-08-2011	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

23-01-2013	Added new Art. Codes (replaces ALD4-860 & ALD1073). Updated drill pattern remark.					JiGa
05-05-2011	RFP was FIO.					JoFr
28-12-2010	Adjusted drawing number of drill pattern.					JoFr
REVISION DATE	DESCRIPTION					NAME

SCALE: 1:2	GENERAL ROUGHNESS 3.2	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK	
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MATERIAL	Aluminium 6063 T6				
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TREATMENT	...				
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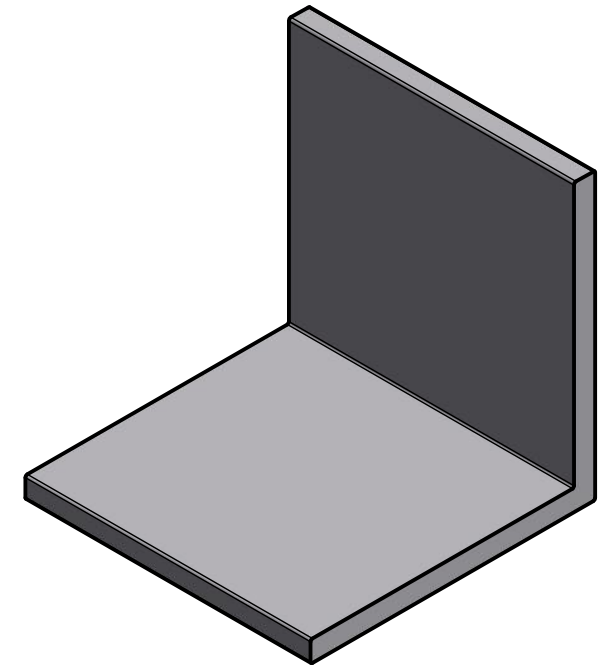
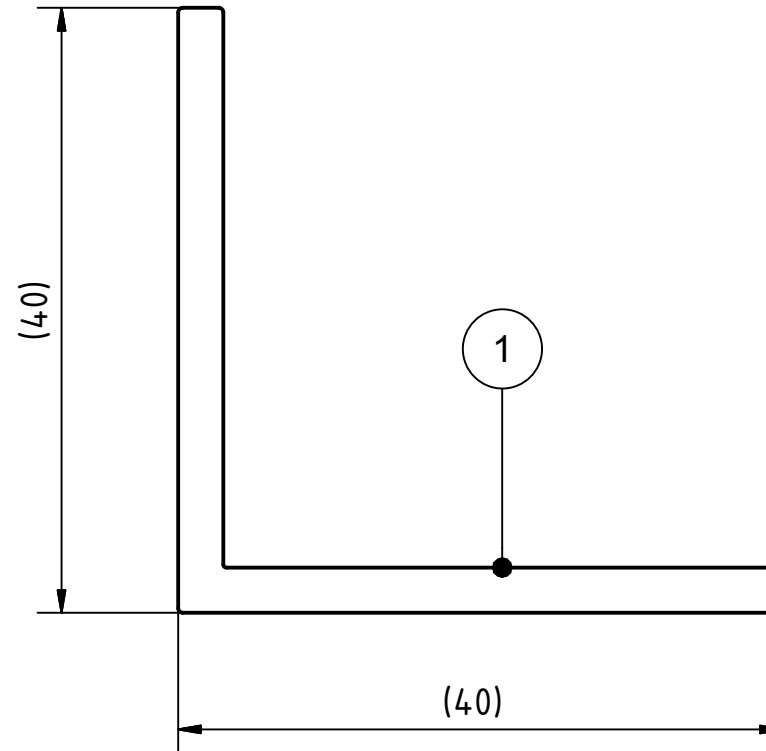
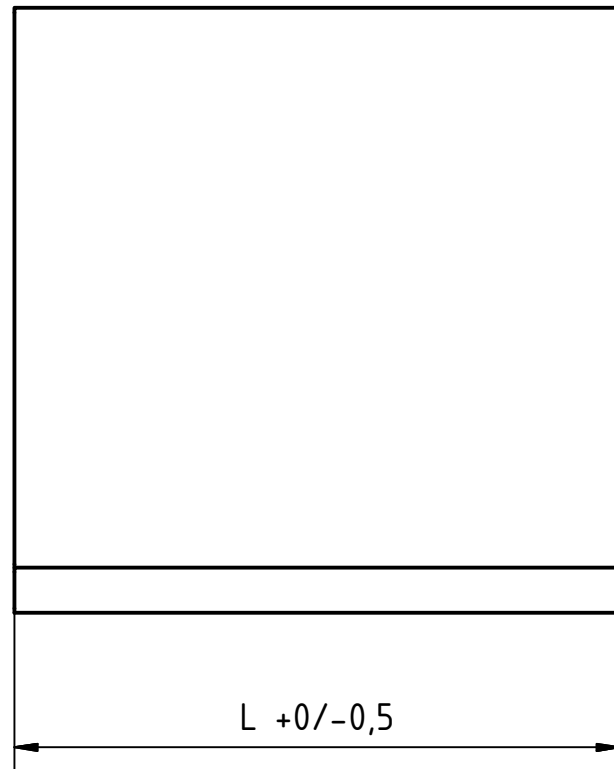
DESCRIPTION	Safe Step door horizontal		DRAWING NO.	58 149 140		FORM.: A2
ARTICLE CODE	...		REVISION DATE	23-01-2013		

NAME	JoFr	 innovations for overhead doors	WEIGHT	- kg/m
DATE	11-11-2010		VOLUME	- mm ³
NETT WEIGHT	... kg		AREA	- mm ²

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	ART.CODE	ART.CODE	ART.CODE	Dim.A	Dim.B	WEIGHT
TREATMENT	BRUT	ANODISED	WHITE RAL9016			
STANDARD	ALD4-860U00	ALD4-860U01	ALD4-860U02	737,7	860	0,538 kg
STANDARD	ALD4-1070U00	ALD4-1070U01	ALD4-1070U02	947,7	1070	0,656 kg

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1	1	Side Pass Door Corner Profile	1033AL3000	58 187 000	14-05-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

Art. Code	L
1033AL-40	40 mm
1033AL-33,25	33,2 mm
1033AL-34,5	34,5 mm
1033AL-32,75	32,75 mm

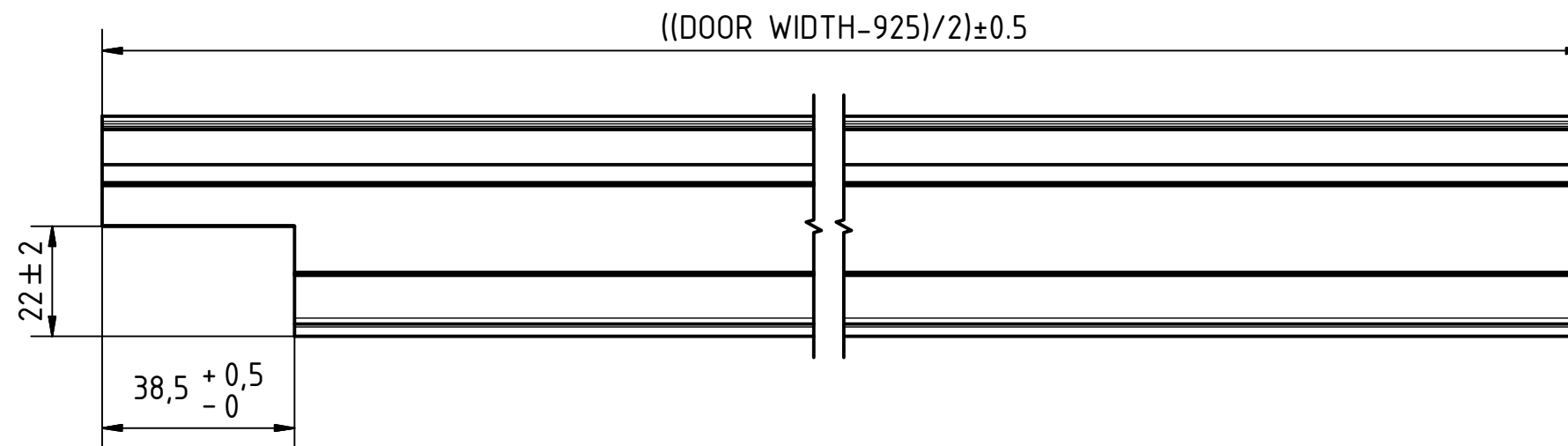
NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	ISO 2768c	TOLERANCE	
0.5-3		±0.2	
>3-6		±0.3	
>6-30		±0.5	
>30-120		±0.8	
>120-400		±1.2	
>400-1000		±2	
>1000-2000		±3	
>2000-4000		±4	

REVISION DATE		DESCRIPTION			NAME	
SCALE: 2:1	GENERAL ROUGHNESS: 0.2✓	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.		
MATERIAL		Aluminium 6063 T6				
TREATMENT		-				
DESCRIPTION		Side Pass Door Corner Profile		DRAWING NO.	58 187 101	
ARTICLE CODE		See table		REVISION DATE	23-01-2013	
NAME		JiGa		flexiforce FF innovations for overhead doors This drawing is property of FlexiForce, and contains confidential information. All rights strictly reserved. Reproduction, use for production purposes, issue to third parties, in any form whatever, is not permitted without written authority from the proprietors.		
DATE		23-1-2013				
NETT WEIGHT		N/A				
				WEIGHT	0,6 kg/m	
				VOLUME	- mm³	
				AREA	- mm²	

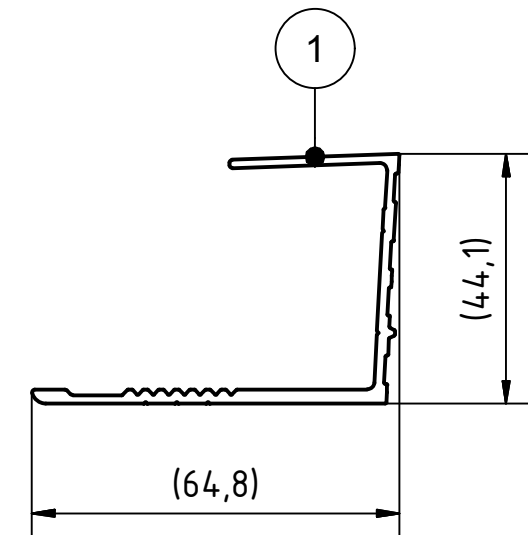
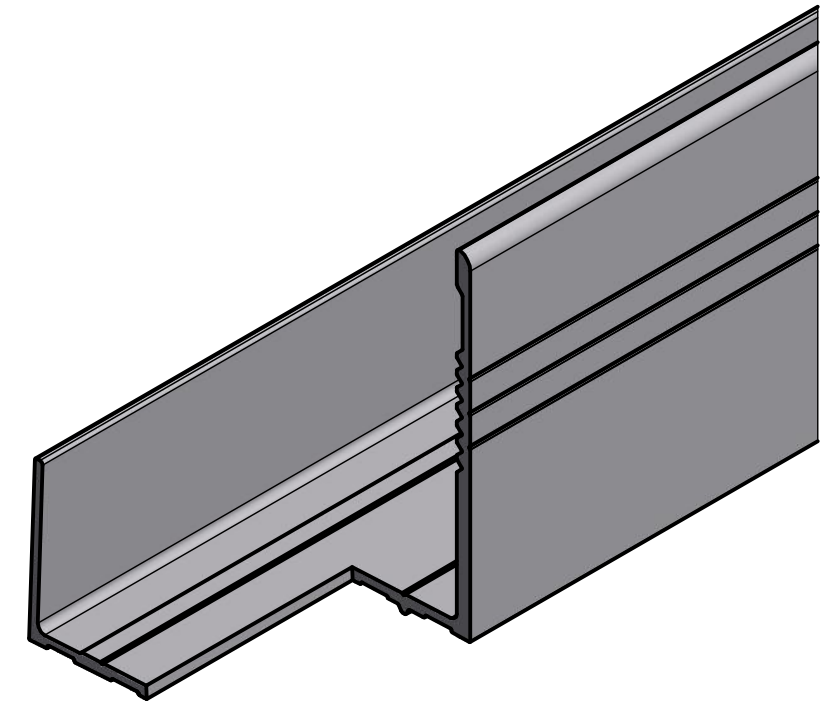
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Note:

If pass door is not in the middle,
the length of these profiles change.

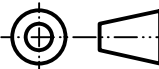


Left and right version, right handed version drawn

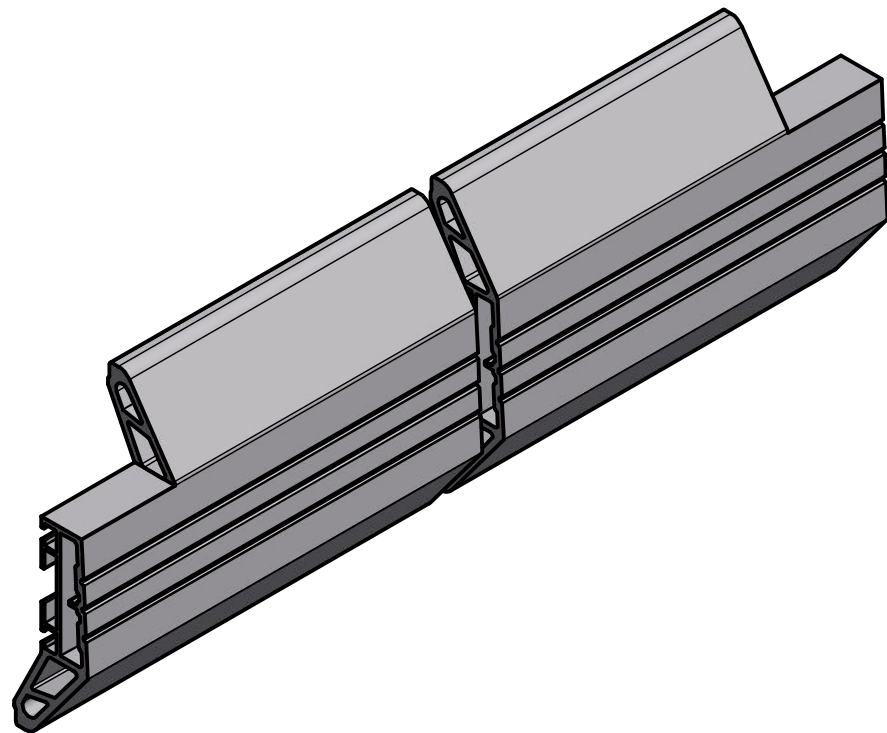
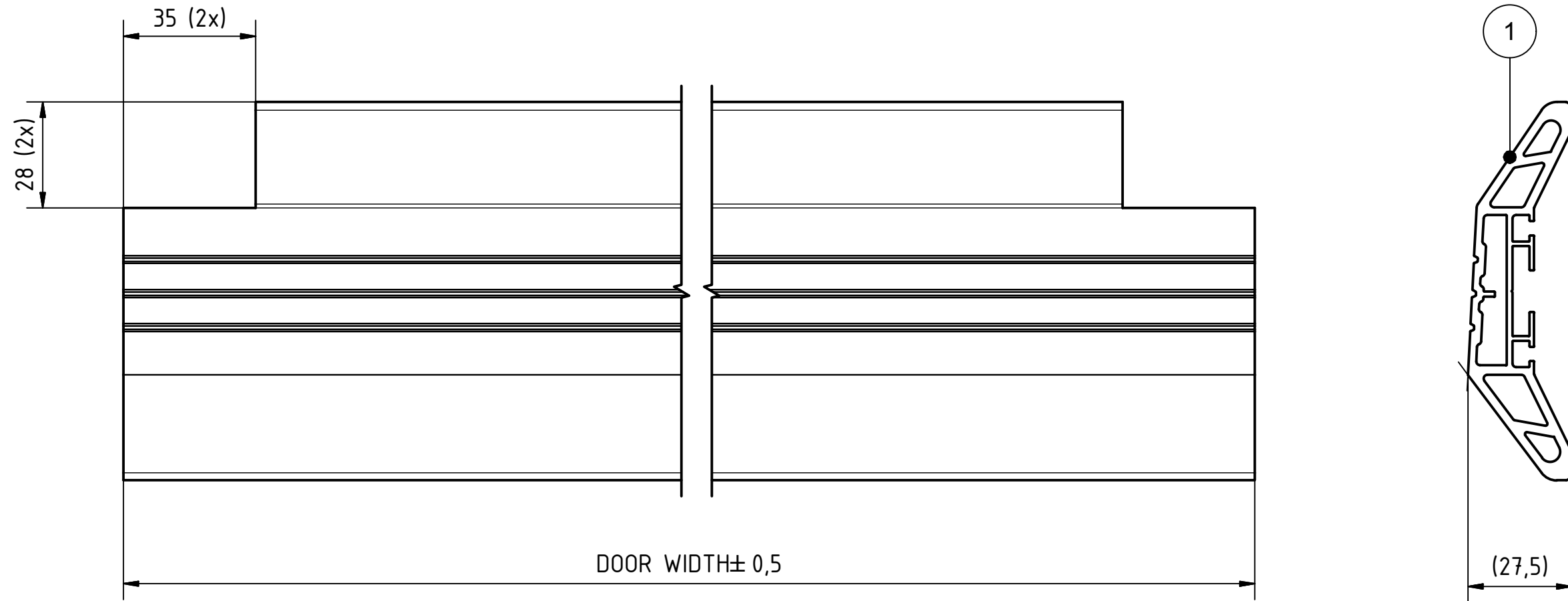


1	1	Upper part profile 40 mm	1041U....	58 194 000	5-3-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

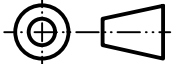
NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	0.5-3	±0.2	
	>3-6	±0.3	
	>6-30	±0.5	
	>30-120	±0.8	
	>120-400	±1.2	
	>400-1000	±2	
	>1000-2000	±3	
	>2000-4000	±4	

REVISION DATE		DESCRIPTION			NAME
SCALE: 3:4	GENERAL ROUGHNESS: 0.2 	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.	
MATERIAL		Aluminium 6063 T6			
TREATMENT		-			
DESCRIPTION	Upper part profile 40 mm		DRAWING NO.	58 194 101	
ARTICLE CODE	1041U...R/L		REVISION DATE	23-01-2013	
NAME	Oldu	 innovations for overhead doors		WEIGHT	0,7 kg/m
DATE	23-1-2013			VOLUME	- mm ³
NETT WEIGHT	N/A			AREA	- mm ²
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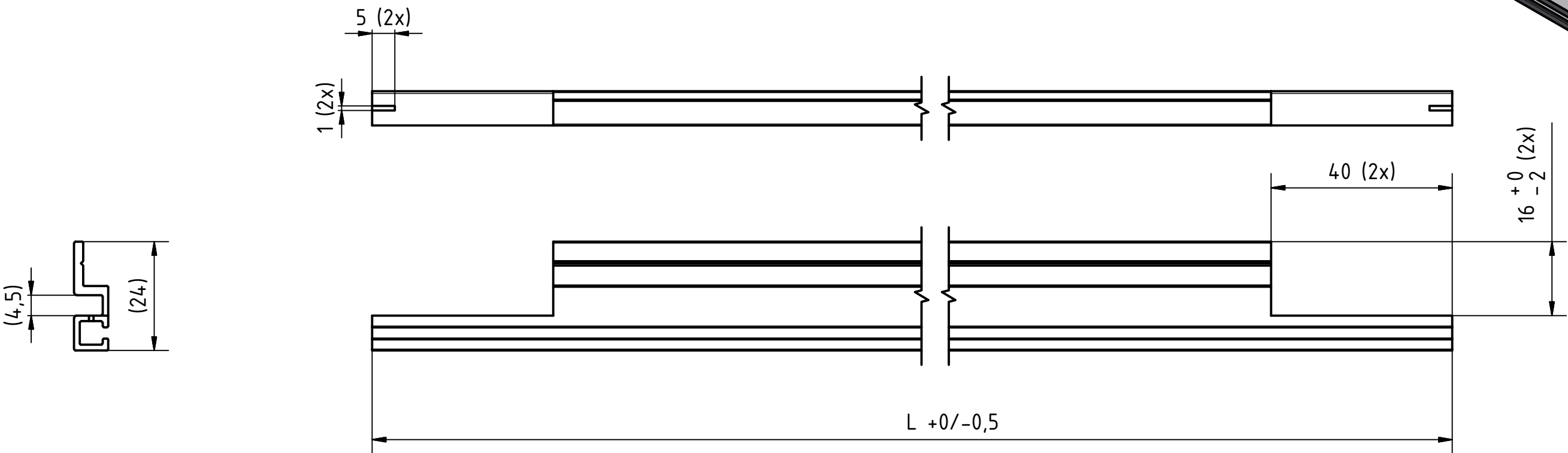
1	1	Low threshold profile	1041LTB	58 195 000	5-3-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

REVISION DATE		DESCRIPTION		NAME	
SCALE: 3:4	GENERAL ROUGHNESS: 0.2 	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.	
MATERIAL		Aluminium 6063 T6			
TREATMENT		-			
DESCRIPTION	Low threshold profile		DRAWING NO.	58 195 101	
ARTICLE CODE	1041LTB...		REVISION DATE	23-01-2013	
NAME	Oldu	 innovations for overhead doors		WEIGHT	1,787 kg/m
DATE	23-1-2013			VOLUME	- mm ³
NETT WEIGHT	N/A			AREA	- mm ²
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NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	ISO 2768c	TOLERANCE	
0.5-3		±0.2	
>3-6		±0.3	
>6-30		±0.5	
>30-120		±0.8	
>120-400		±1.2	
>400-1000		±2	
>1000-2000		±3	
>2000-4000		±4	

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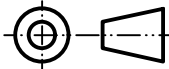
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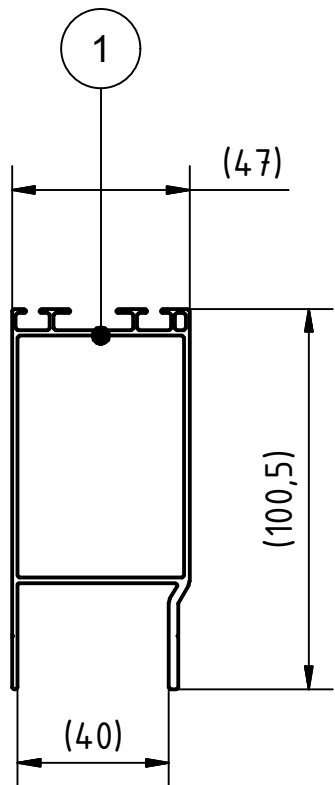
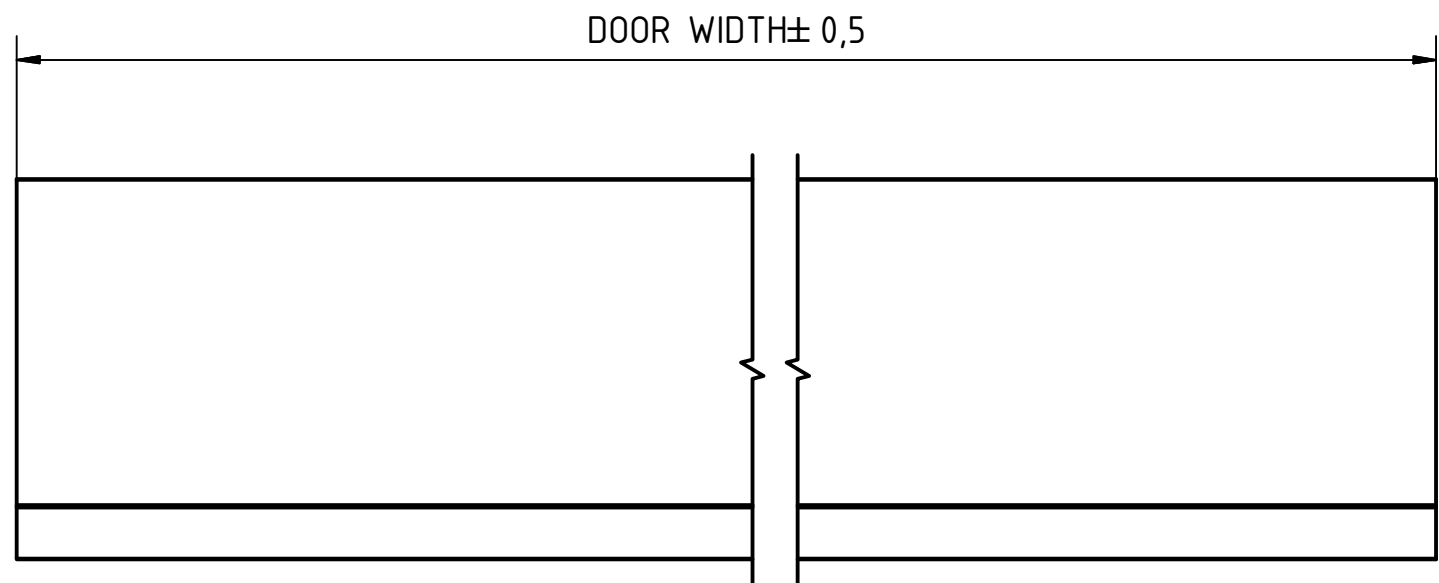
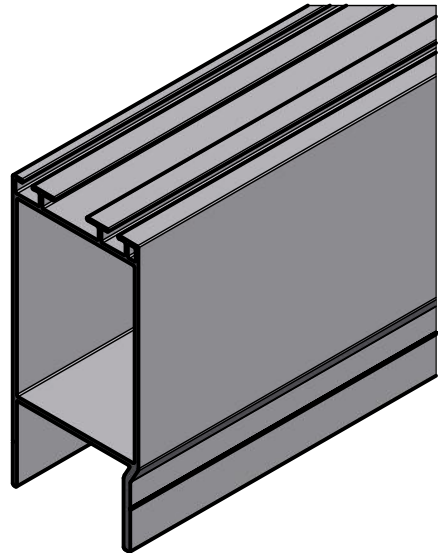
Art. Code	L	Treatment	Use	Drawing No.	Weight
1033LBNB-833	833 mm	Brut	1033LBNB-...	58 226 001	0,15 kg
1033LBNA-833	833 mm	Anodised	1033LBN-...	58 226 001	0,15 kg
1033LBNB-830	830 mm	Brut	1033LBNB-...	58 226 001	0,15 kg
1033LBN-830	830 mm	Anodised	1033LBN-...	58 226 001	0,15 kg

! Changed / Added

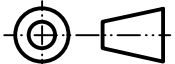
NOMINAL DIMENSION	ISO 2768m	TOLERANCE
	0.5-3	±0.1
	>3-6	±0.1
	>6-30	±0.2
	>30-120	±0.3
	>120-400	±0.5
	>400-1000	±0.8
	>1000-2000	±1.2
	>2000-4000	±2

13-02-2013	Added Art. Codes 1033LBNB-830 & 1033LBN-830			JiGa				
08-02-2013	Changed Art. Codes (was 1033LBNB-830 & 1033LBNA-830)			JiGa				
26-11-2012	Changed RFP (was RFT)			JiGa				
REVISION DATE	DESCRIPTION			NAME				
SCALE: 1:1	GENERAL ROUGHNESS: 	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK				
MATERIAL		Aluminium 6063 T6						
TREATMENT		See table						
DESCRIPTION	Low threshold alu profile for seal - Length: 833mm - ...		DRAWING NO.	58 226 101	FORM.: A3			
ARTICLE CODE	1033LBN..-...		REVISION DATE	13-2-2013				
NAME	JiGa	 innovations for overhead doors			WEIGHT	- kg/m		
DATE	16-5-2012				WARRANTY	10 years	VOLUME	- mm ³
NETT WEIGHT	...				AREA	- mm ²		
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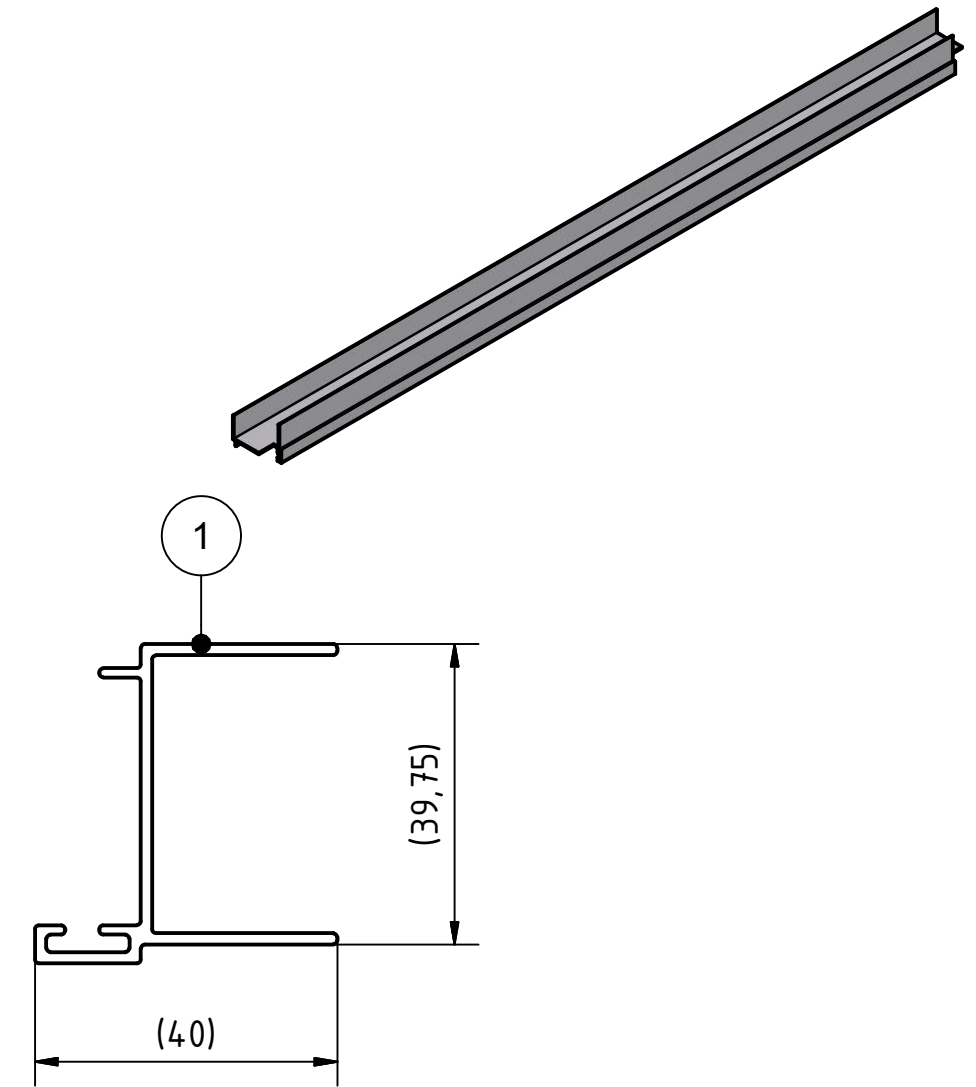
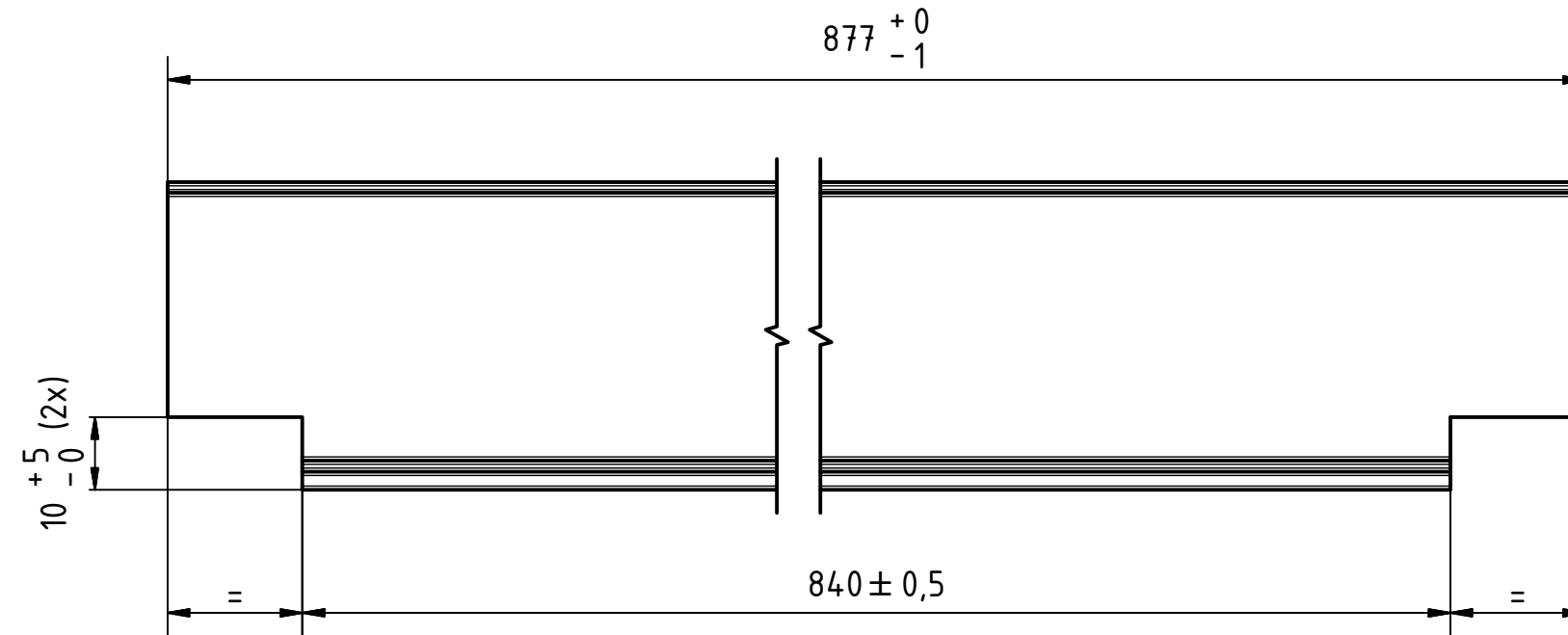
1	1	40mm top profile for internal strut	1033PS....	58 227 001	12-06-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

REVISION DATE		DESCRIPTION		NAME	
SCALE: 1:1	GENERAL ROUGHNESS: 3.2 	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO2768-cK .	
MATERIAL		Aluminium 6063 T6			
TREATMENT		-			
DESCRIPTION	40mm top profile for internal strut		DRAWING NO.	58 227 101	
ARTICLE CODE	1033PS-...		REVISION DATE	23-01-2013	
NAME	JiGa	 innovations for overhead doors		WEIGHT	- kg/m
DATE	23-1-2013			VOLUME	- mm ³
NETT WEIGHT	N/A			AREA	- mm ²

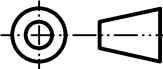
NOMINAL DIMENSION	ISO 2768c	TOLERANCE
	0.5-3	±0.2
	>3-6	±0.3
	>6-30	±0.5
	>30-120	±0.8
	>120-400	±1.2
	>400-1000	±2
	>1000-2000	±3
	>2000-4000	±4

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1	1	40 mm top profile casing profile	1033PLS-3000	58 229 001	12-06-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

REVISION DATE		DESCRIPTION			NAME	
SCALE: 1:1	GENERAL ROUGHNESS: 3.2✓	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.		
MATERIAL		Aluminium 6063 T6				
TREATMENT		-				
DESCRIPTION	40 mm top profile casing profile		DRAWING NO.	58 229 101		FORM.: A3
ARTICLE CODE	1033PLS-...		REVISION DATE	23-01-2013		
NAME	JiGa	 innovations for overhead doors			WEIGHT	0.5 kg/m
DATE	23-1-2013				VOLUME	- mm³
NETT WEIGHT	N/A				AREA	- mm²
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