

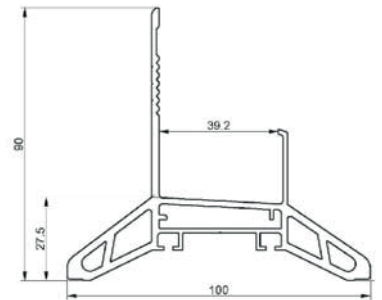
FF Addition information

SafeStep Manual

1

If treshold profile 1041L is used:

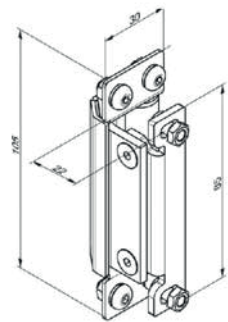
- Length: B1-2mm from bottom
- Length: B2-2mm from bottom
- Length: B3-2mm from bottom
- Length: B4-2mm from bottom



2

If hinge 1034HI is used:

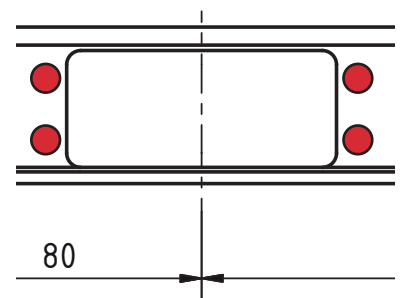
- Length: B5+3mm
- Length: B7+3mm
- Length: T5+3mm
- Length: L5+3mm



3

If round indicated holes are Ø6,5:

- Use M5 bolts & nuts to place hinge

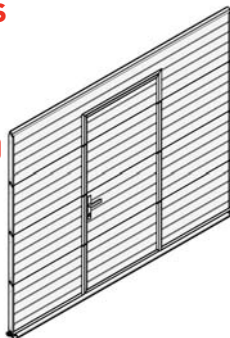


SafeStep

40mm Kingspan/EPCO 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

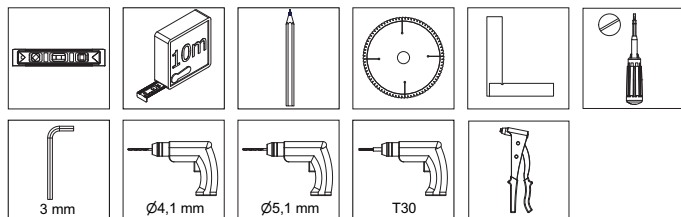
picture index

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

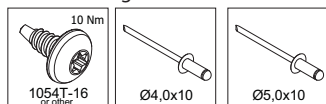
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2

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



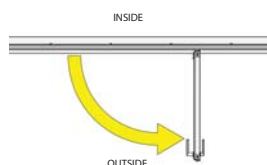
EQUAL - lines and/or surfaces are equal to each other

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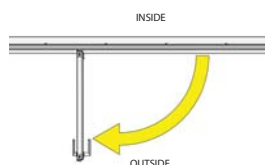
4

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

RIGHT HANDED DOOR



LEFT HANDED DOOR

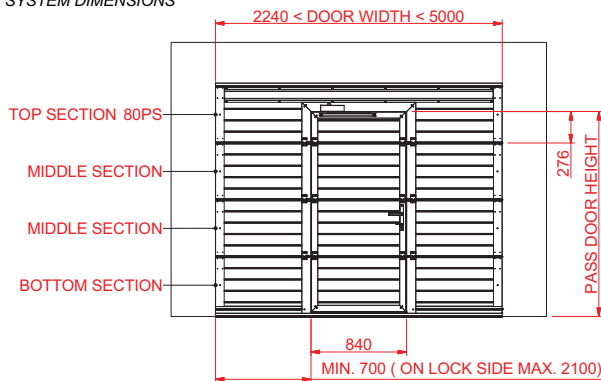


MAX. OPENING ANGLE 90°

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5

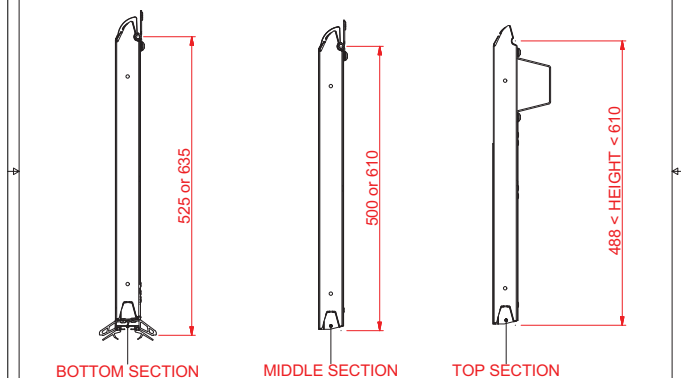
PASS DOOR WITH 80PS STRUT SYSTEM DIMENSIONS



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6

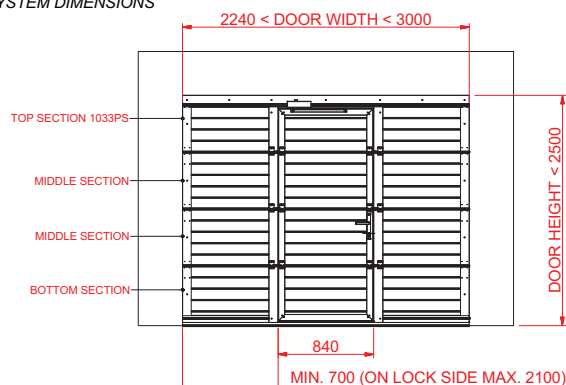
PASS DOOR WITH 80PS STRUT SECTION HEIGHTS



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7

PASS DOOR WITH 1033PS STRUT SYSTEM DIMENSIONS

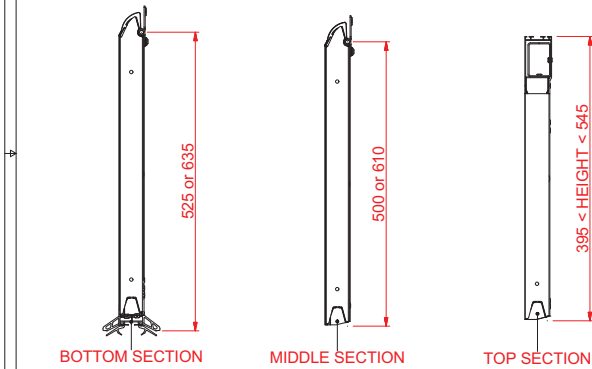


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8

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.



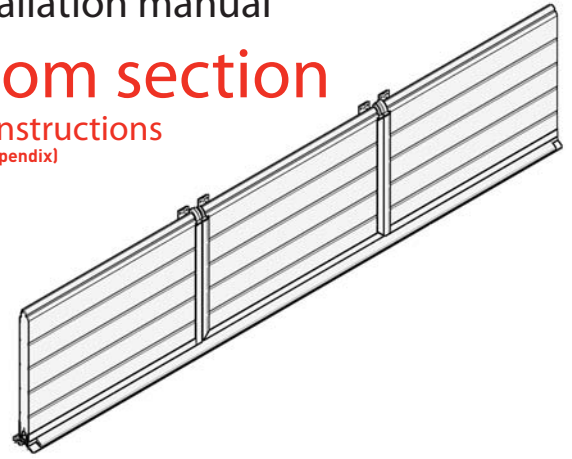
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9

FF Installation manual

bottom section

sawing instructions
(drawings in appendix)

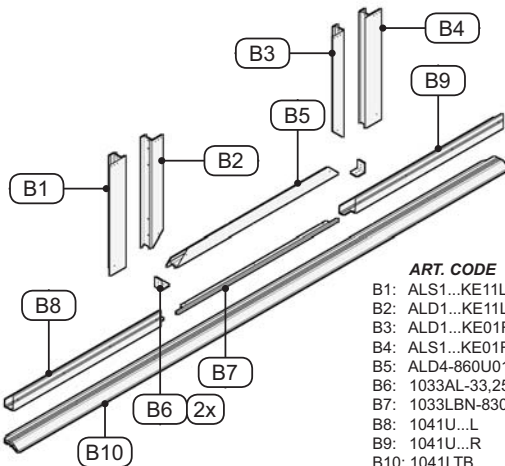


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10



1 2



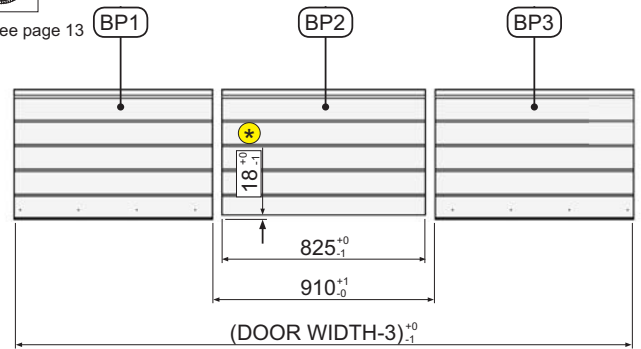
ART. CODE	DRAWING
B1: ALS1...KE11L	58 148 110
B2: ALD1...KE11L	58 149 110
B3: ALD1...KE01R	58 149 110
B4: ALS1...KE01R	58 148 110
B5: ALD4-860U01	58 149 140
B6: 1033AL-33,25	58 187 101
B7: 1033LBN-830	58 226 101
B8: 1041U...L	58 194 101
B9: 1041U...R	58 194 101
B10: 1041LTB...	58 195 101

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11

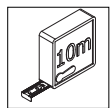


See page 13



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12



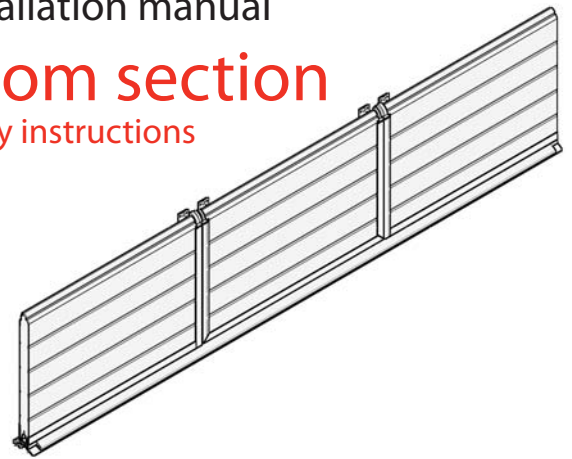
58 160 991 rev. 10-12-2013

13

FF Installation manual

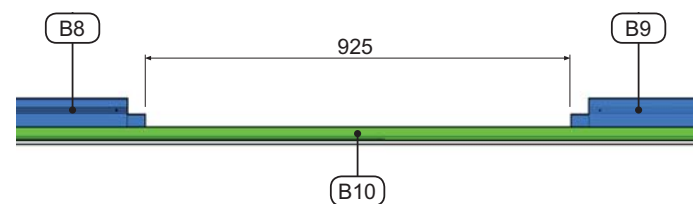
bottom section

assembly instructions



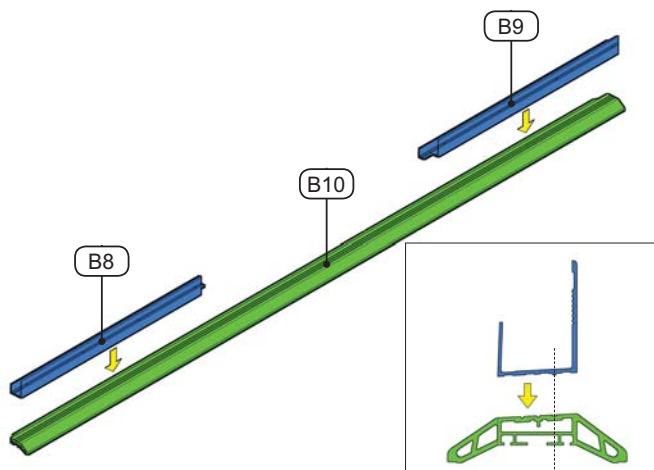
58 160 991 rev. 10-12-2013

14



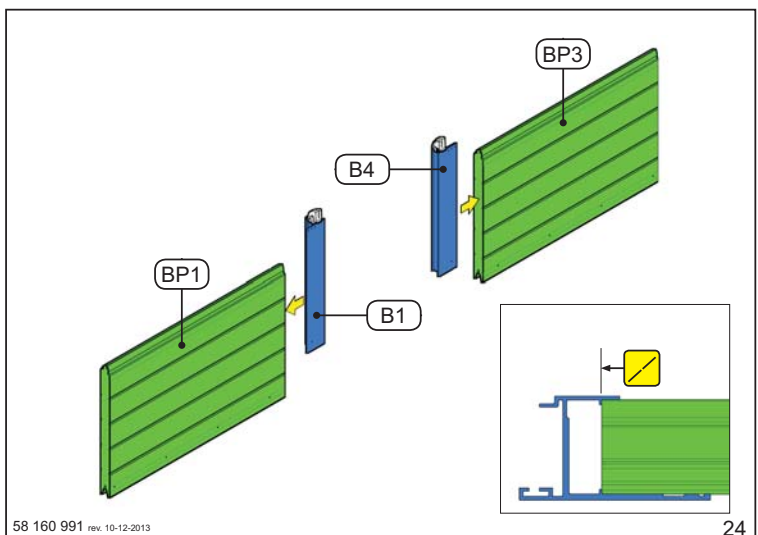
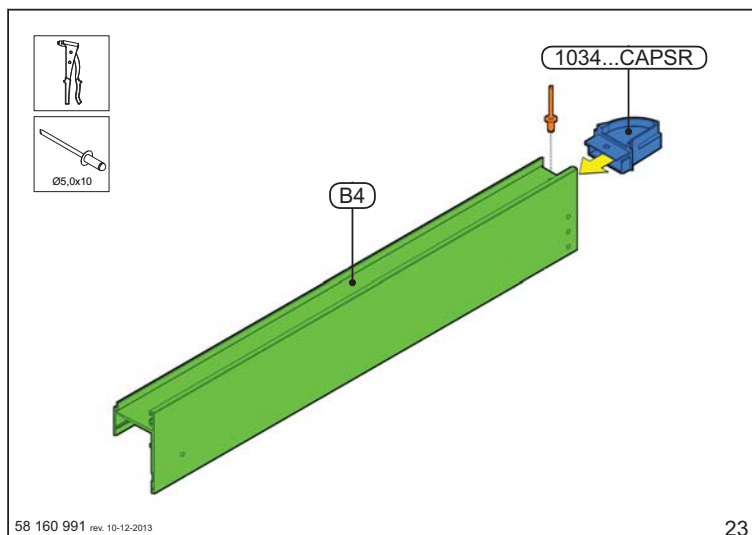
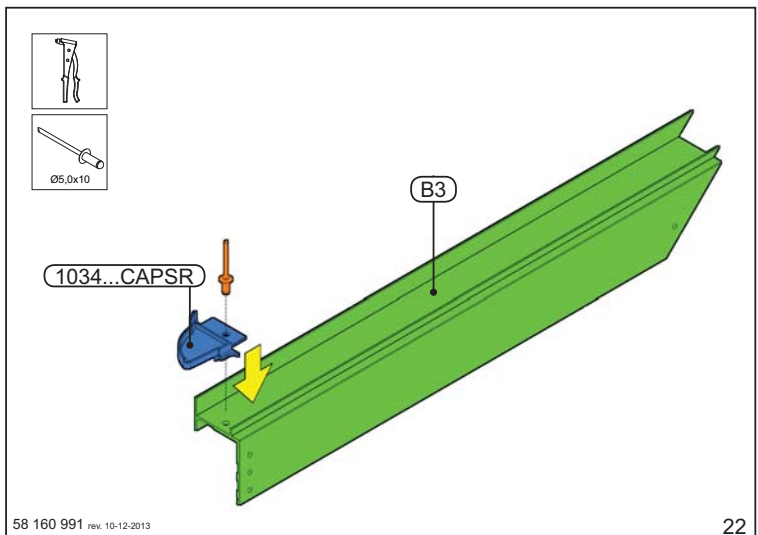
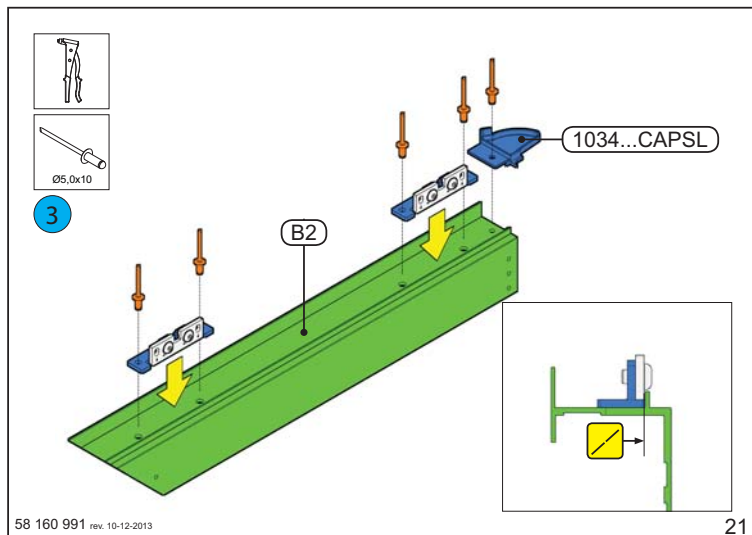
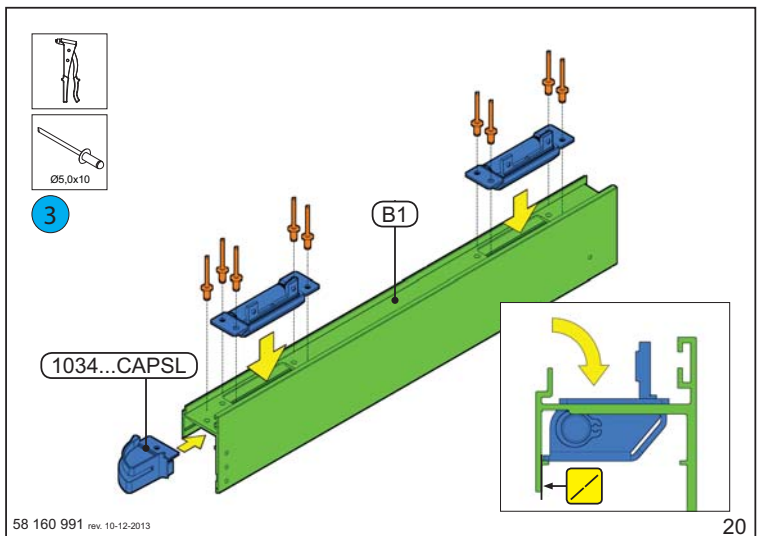
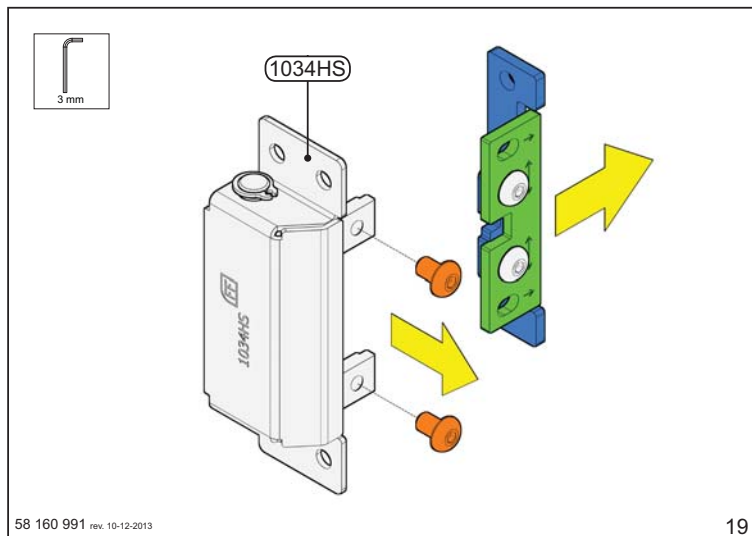
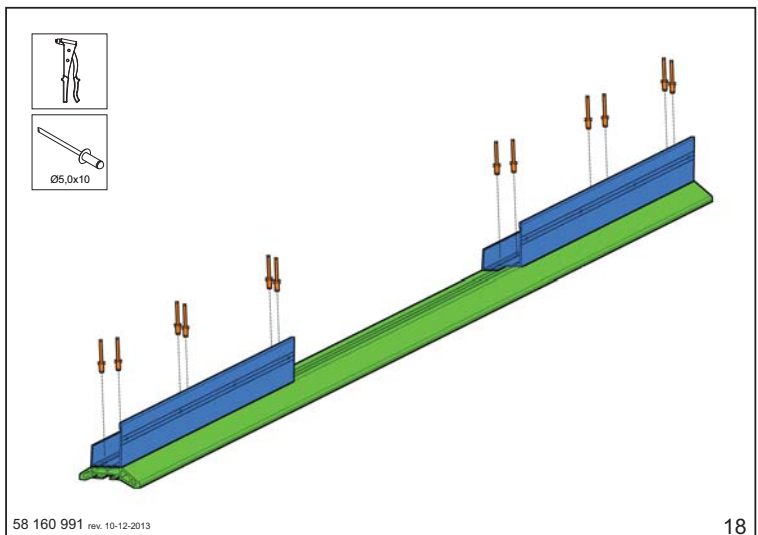
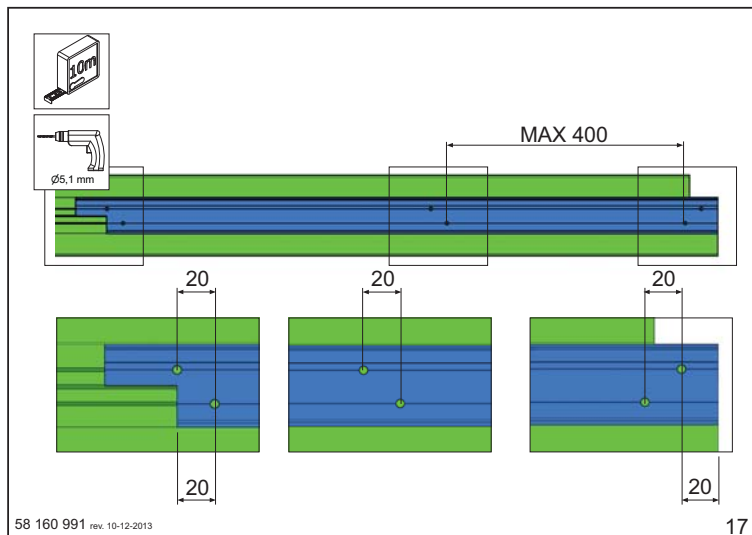
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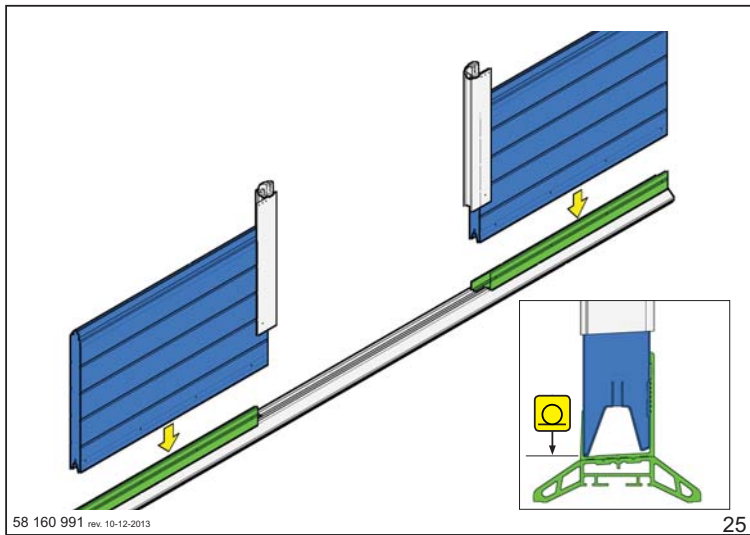
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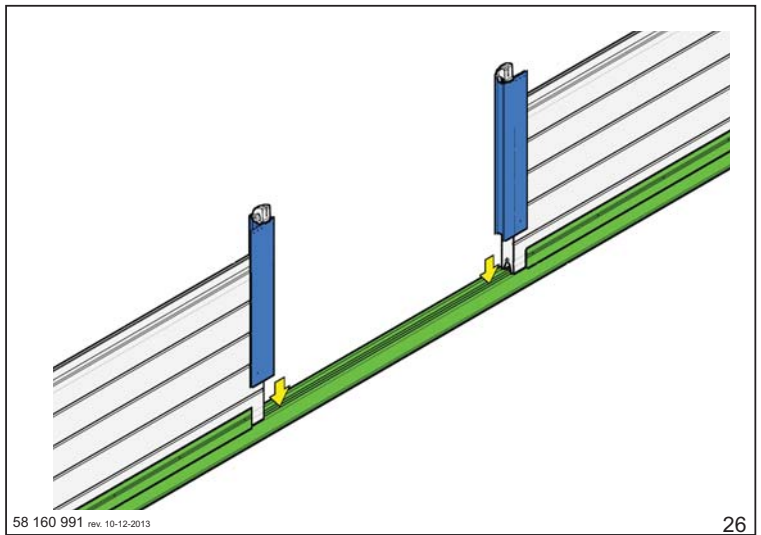
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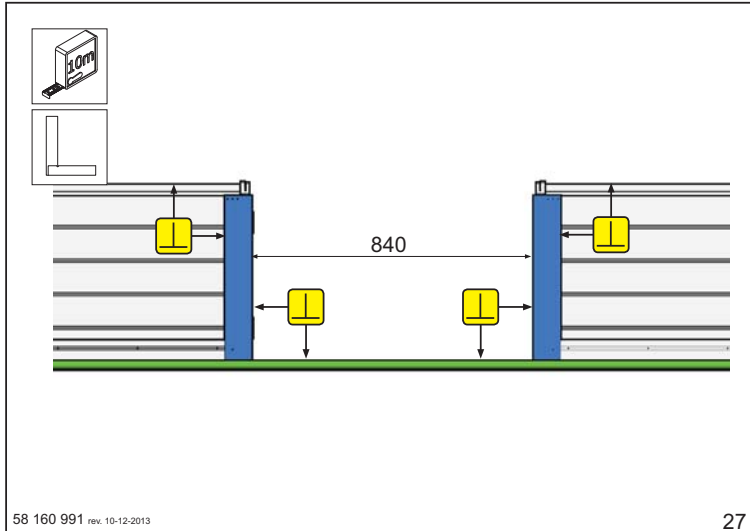




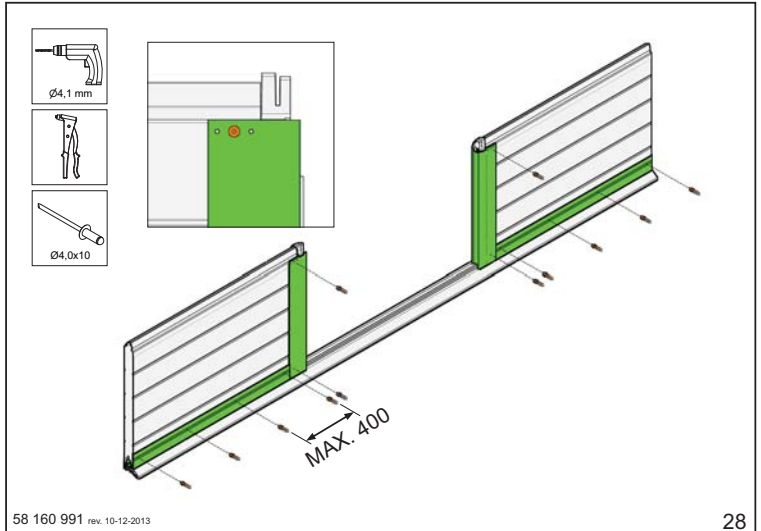
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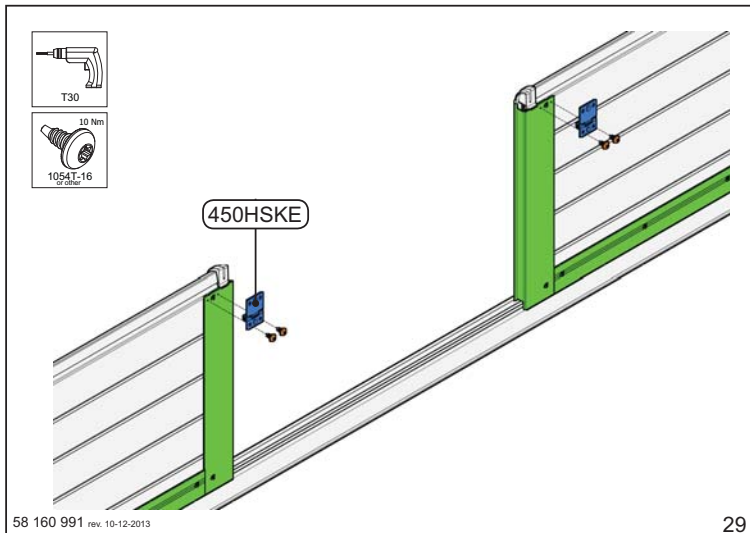
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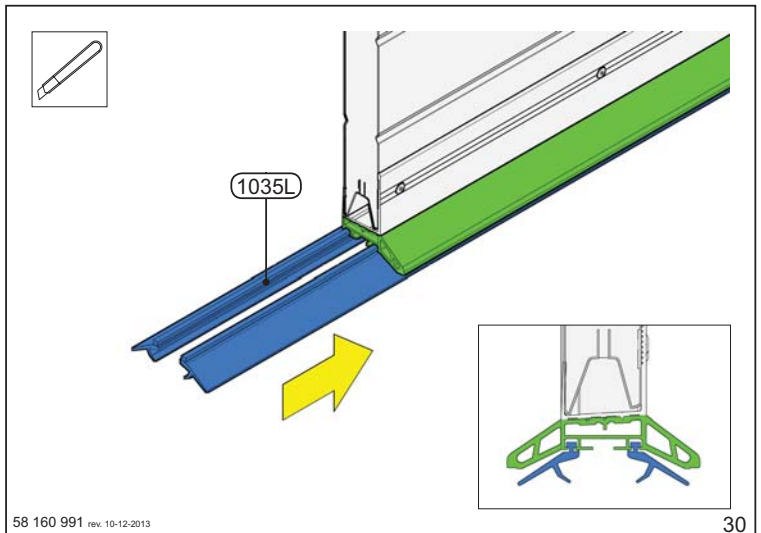
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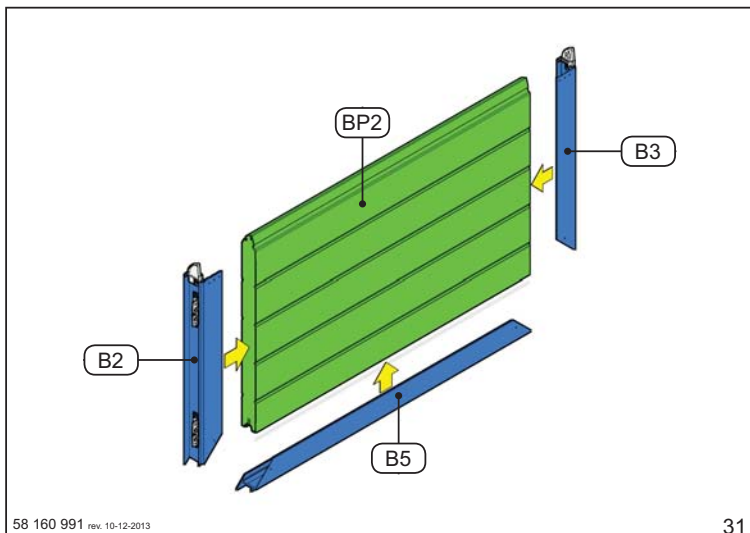
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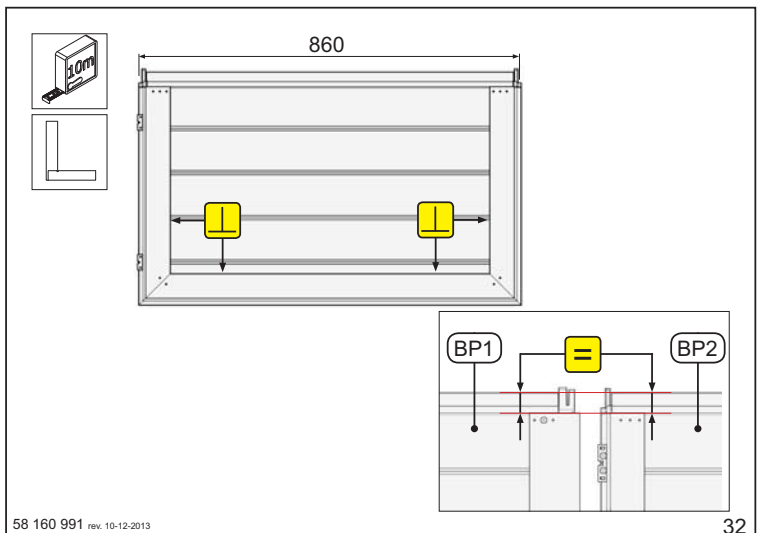
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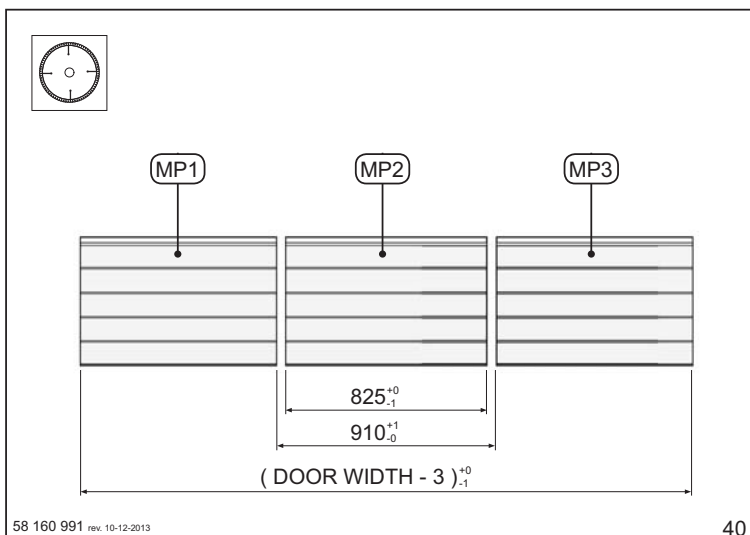
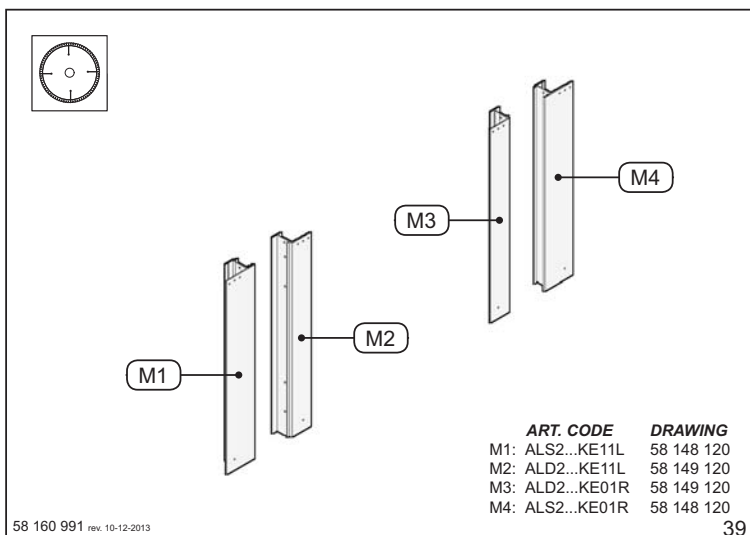
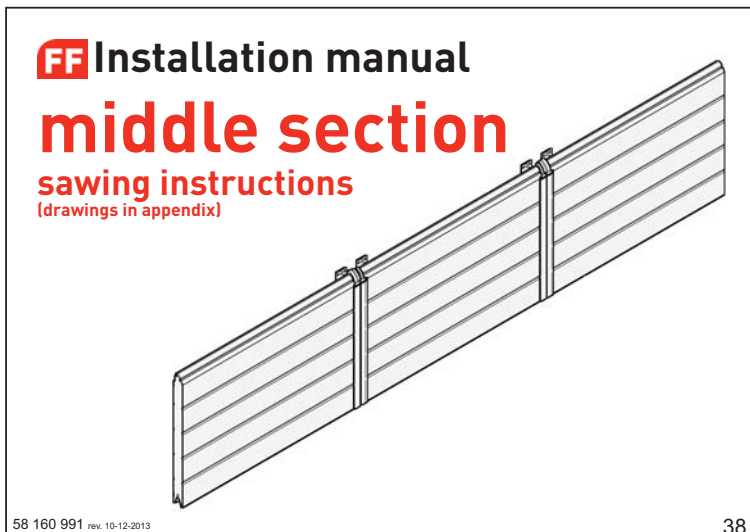
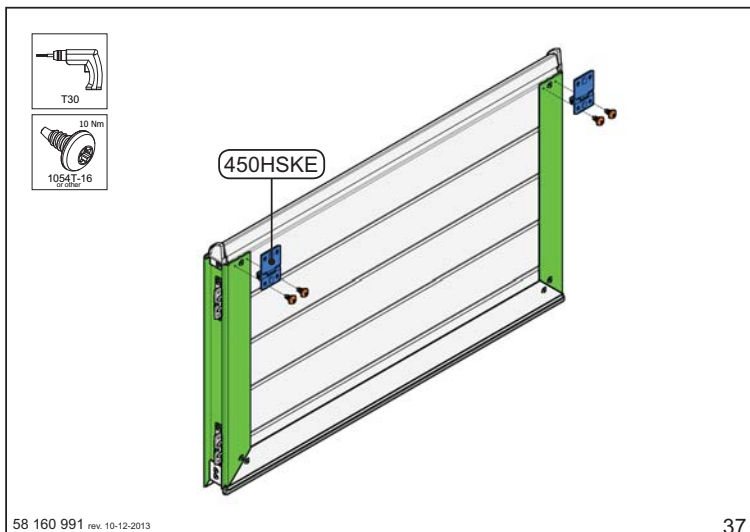
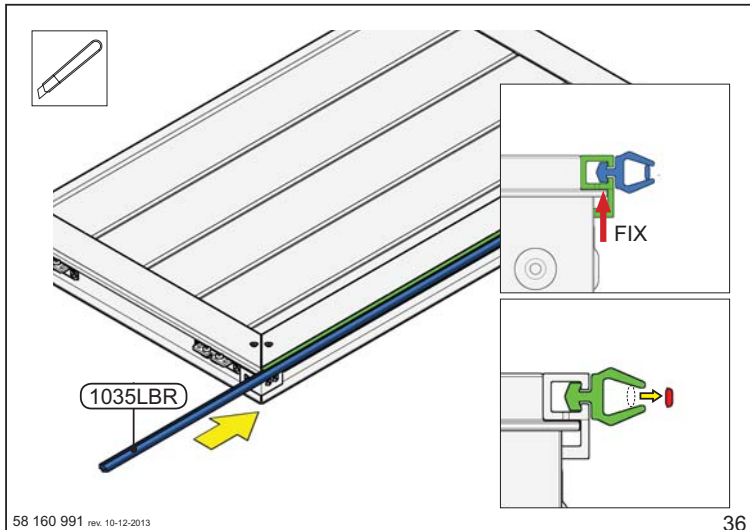
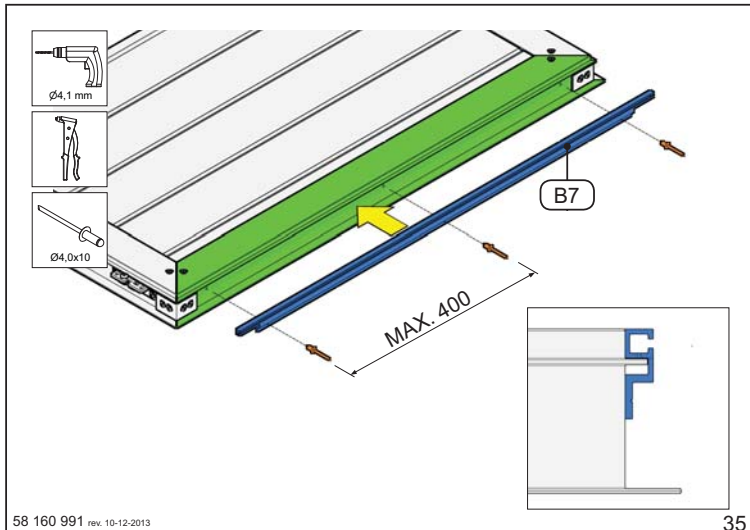
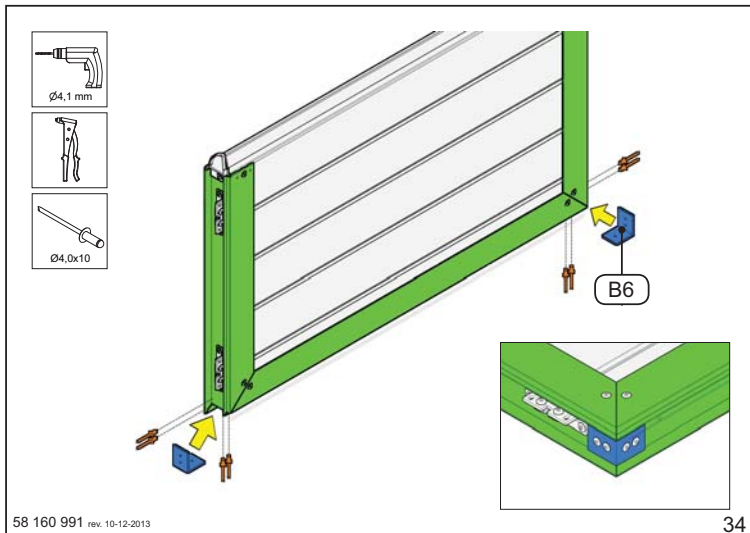
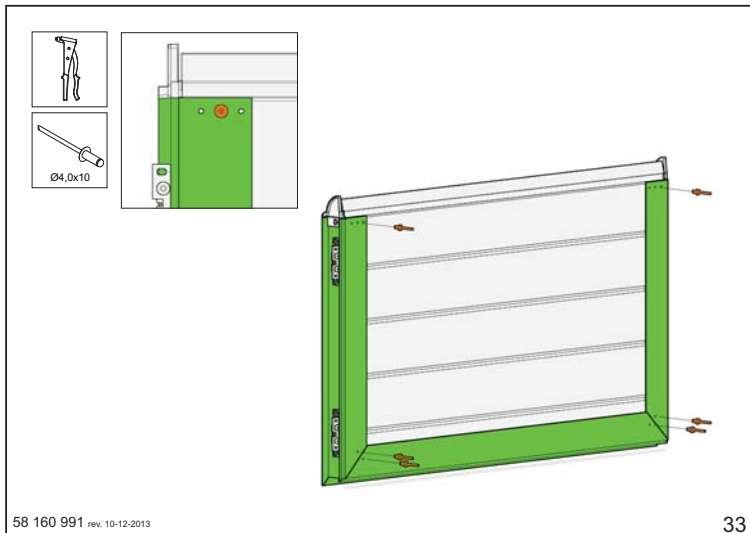
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31



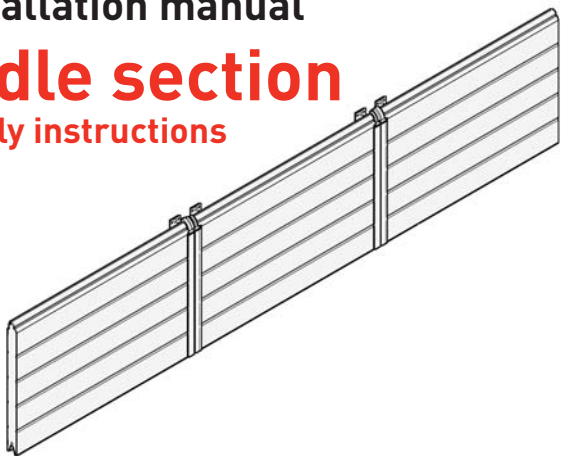
32



FF Installation manual

middle section

assembly instructions

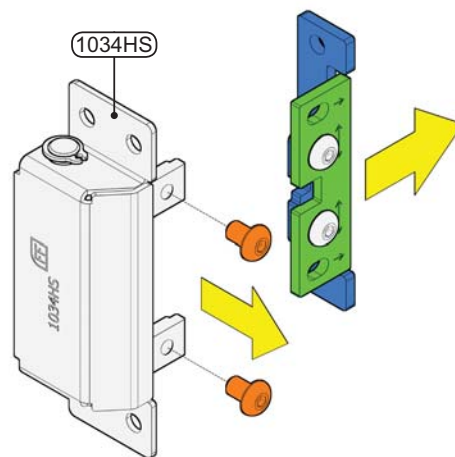


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41



3 mm

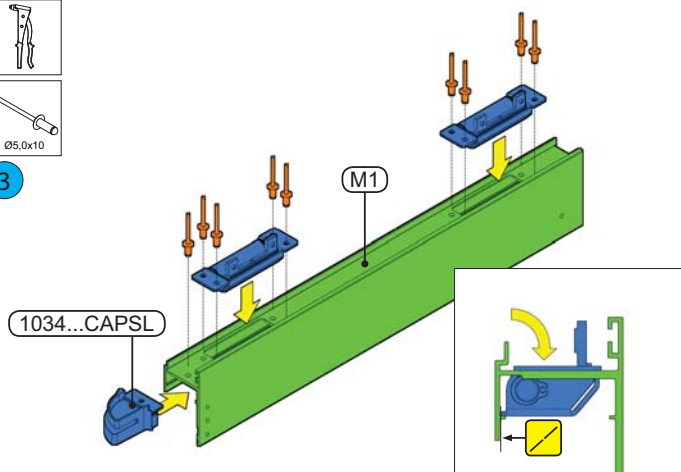


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42



3

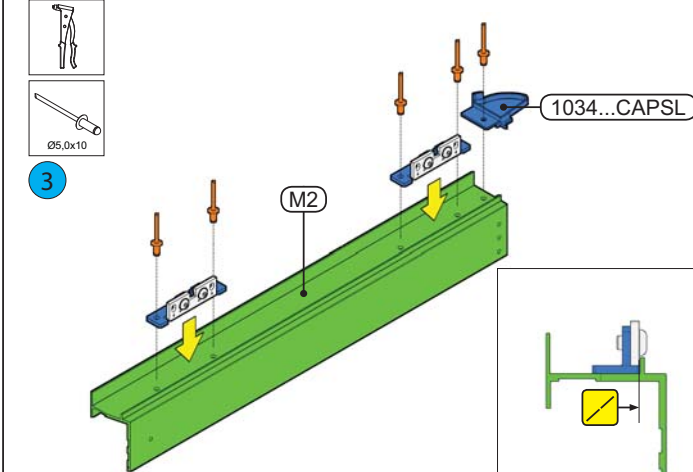


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43



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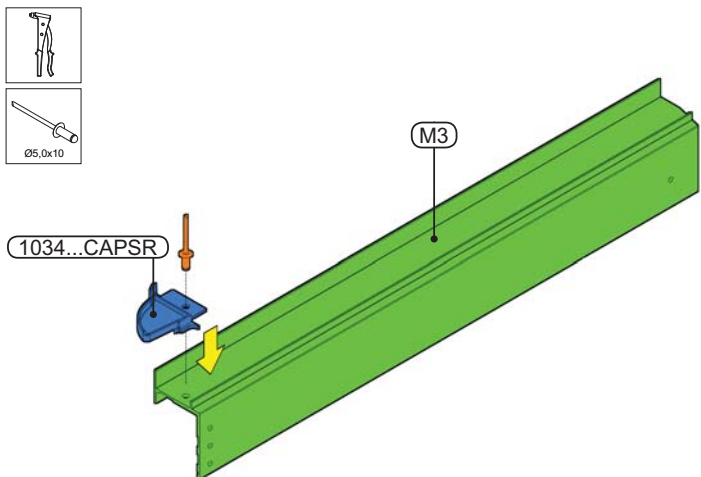


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44



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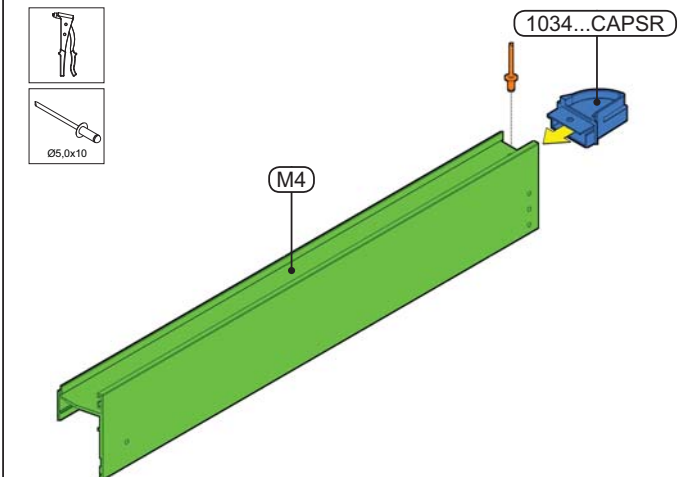


58 160 991 rev. 10-12-2013

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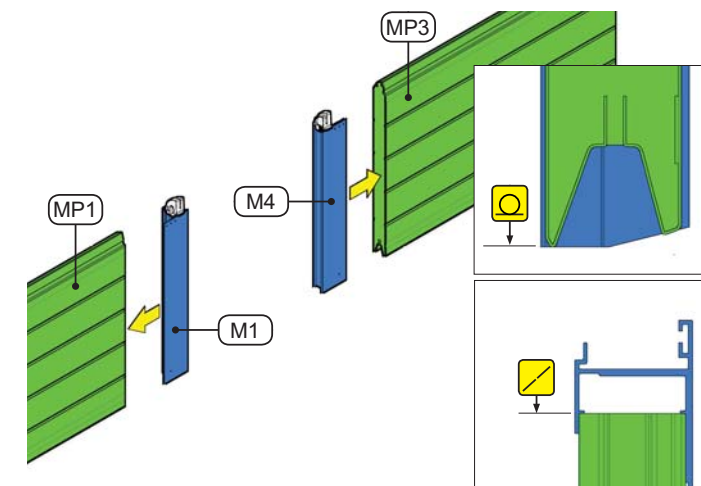


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58 160 991 rev. 10-12-2013

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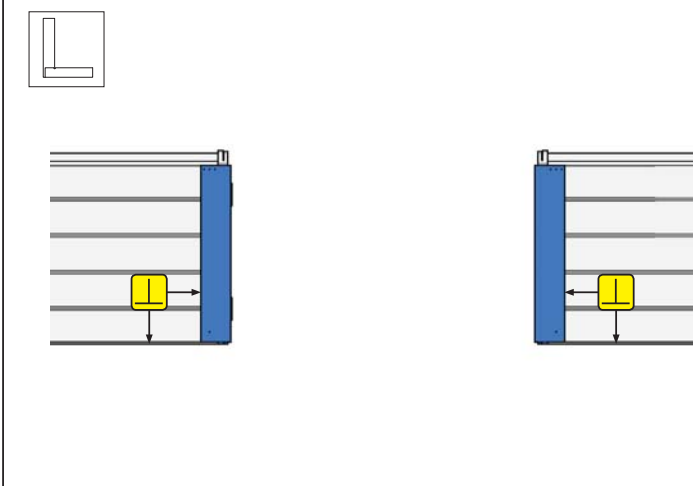


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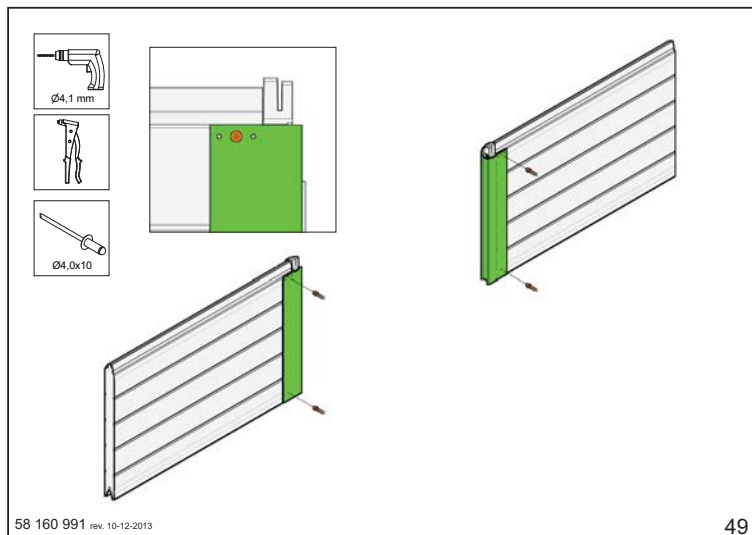


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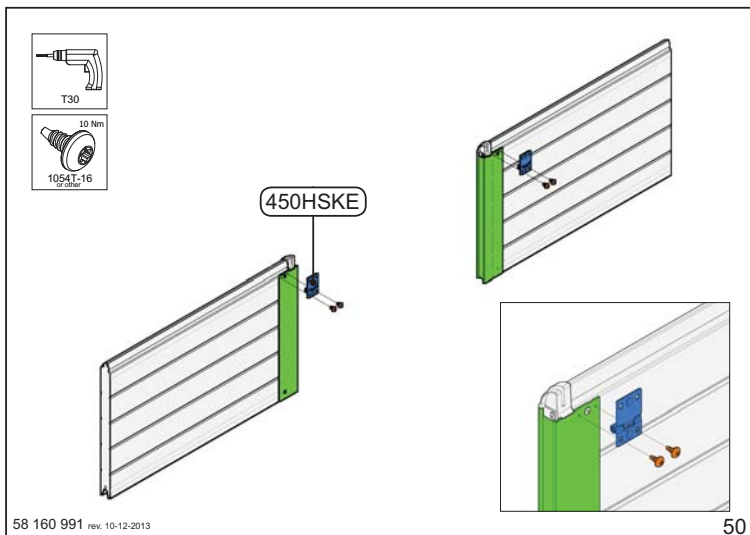


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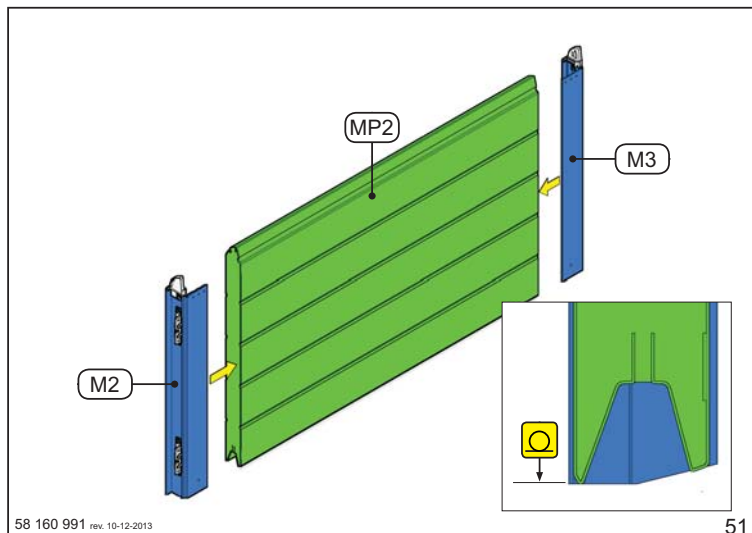
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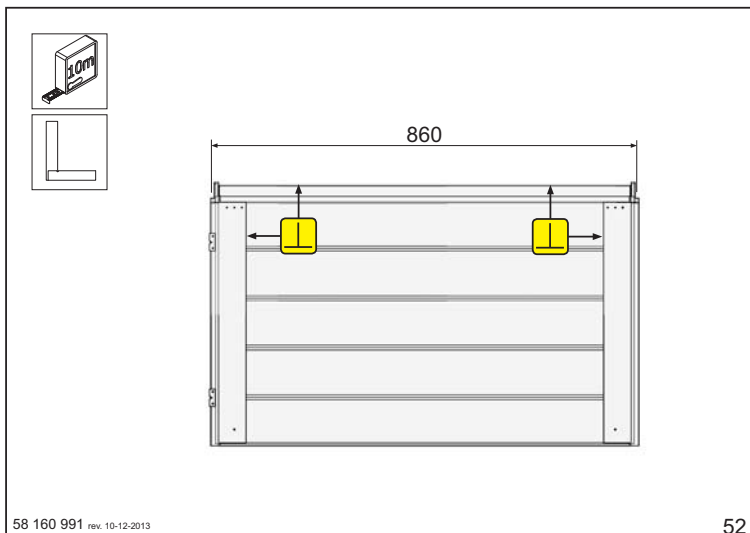
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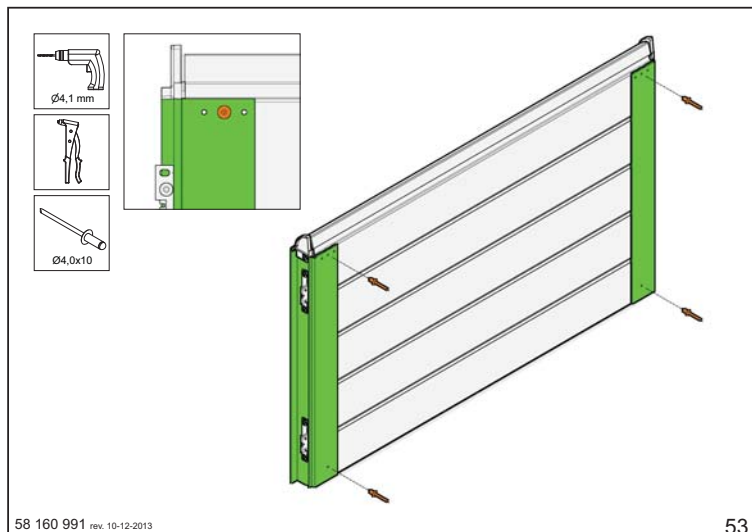
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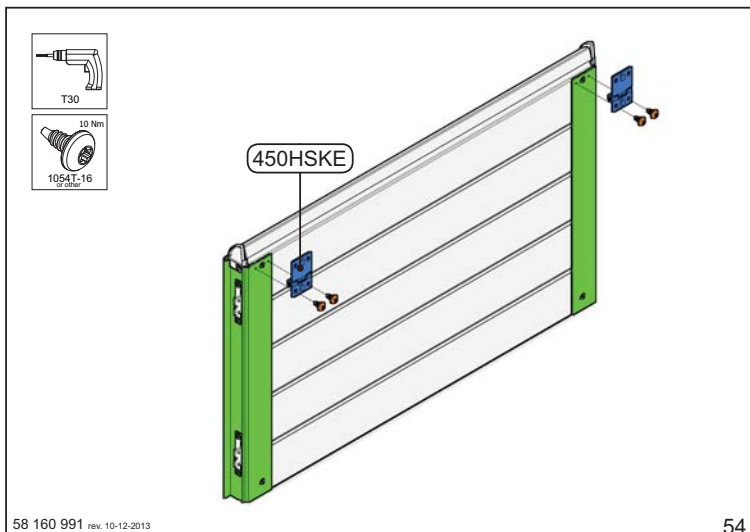
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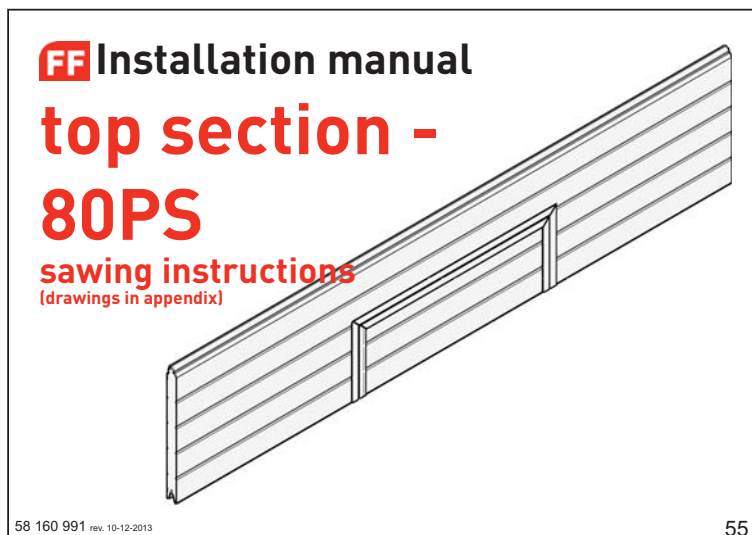
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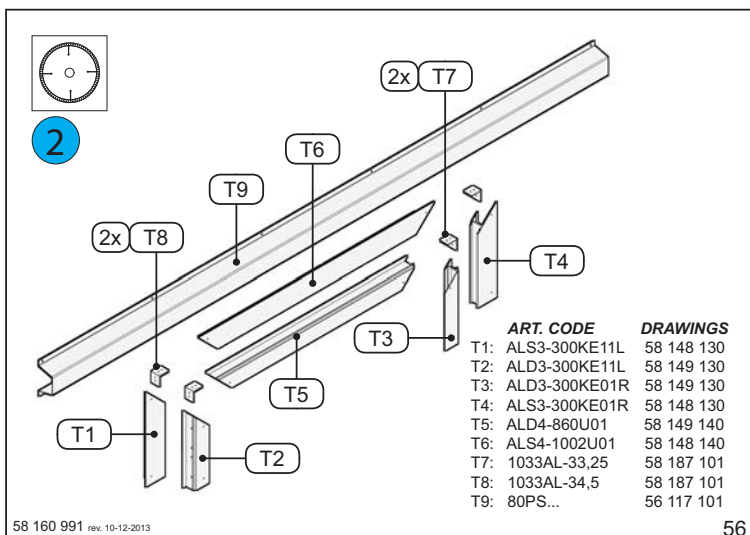
53



54



55



56

FF Installation manual

top section - 80PS

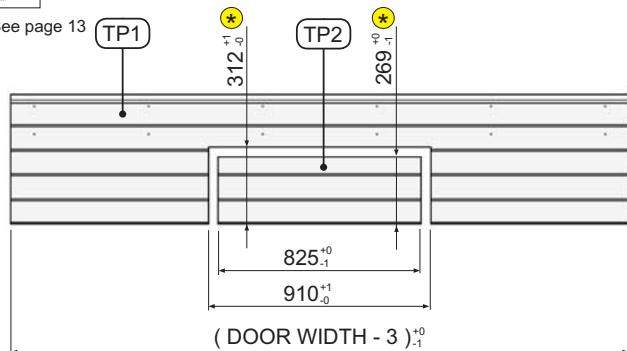
sawing instructions

(drawings in appendix)

ART. CODE	DRAWINGS
T1: ALS3-300KE11L	58 148 130
T2: ALD3-300KE11L	58 149 130
T3: ALD3-300KE01R	58 149 130
T4: ALS3-300KE01R	58 148 130
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



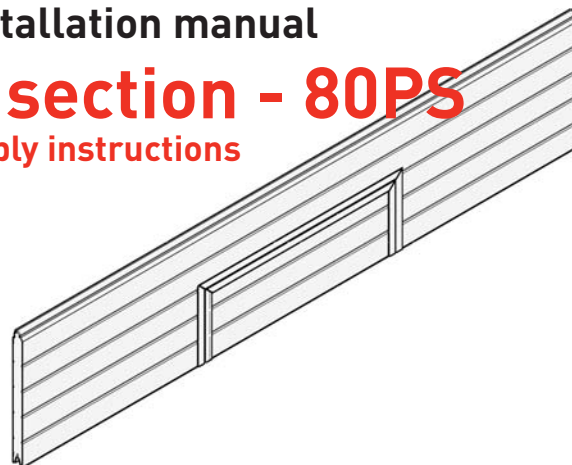
58 160 991 rev. 10-12-2013

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FF Installation manual

top section - 80PS

assembly instructions

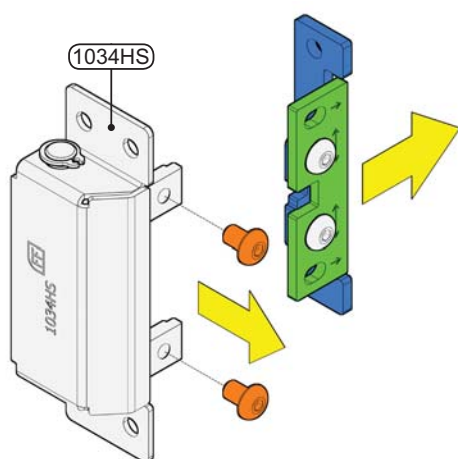


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58



3 mm

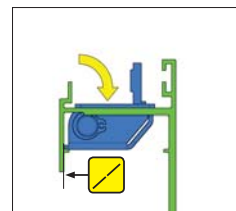
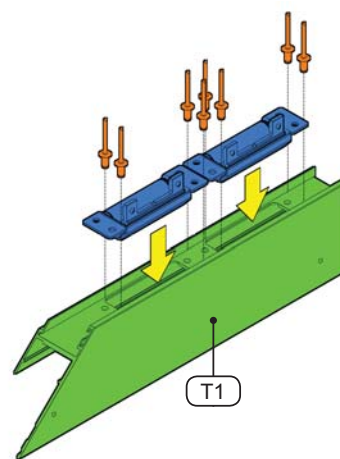


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59



3

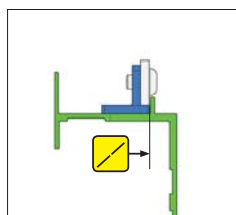
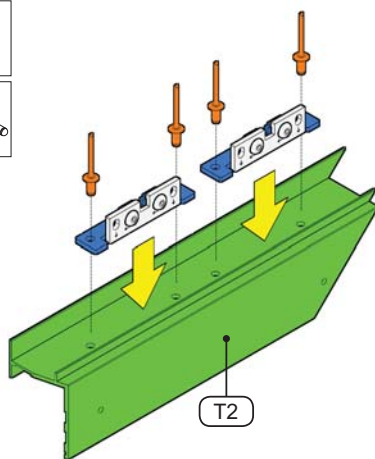


58 160 991 rev. 10-12-2013

60

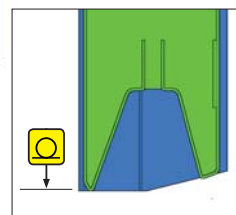
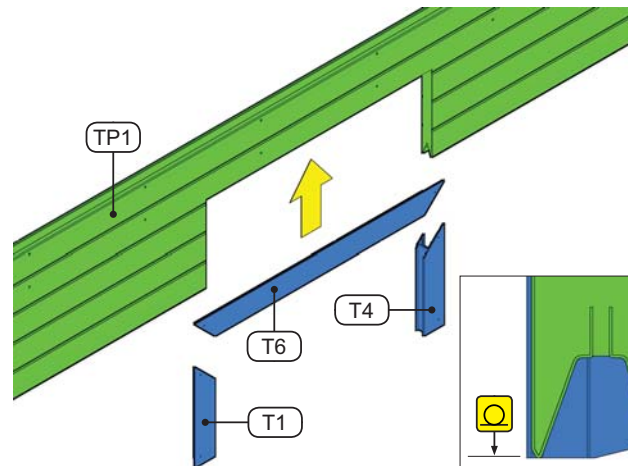


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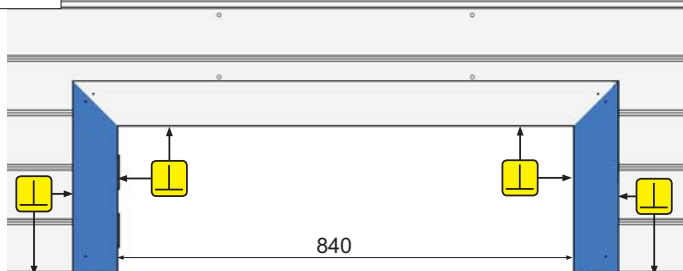
58 160 991 rev. 10-12-2013

61



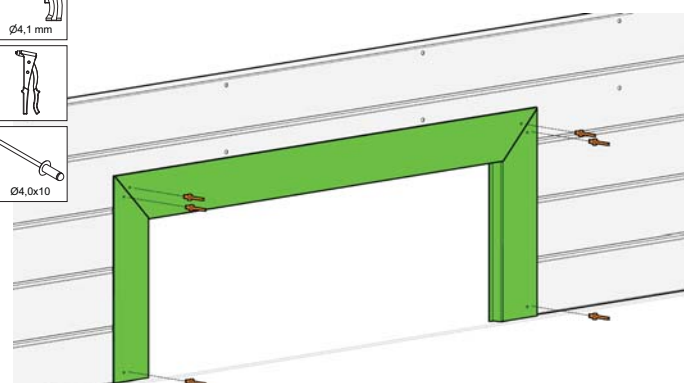
58 160 991 rev. 10-12-2013

62



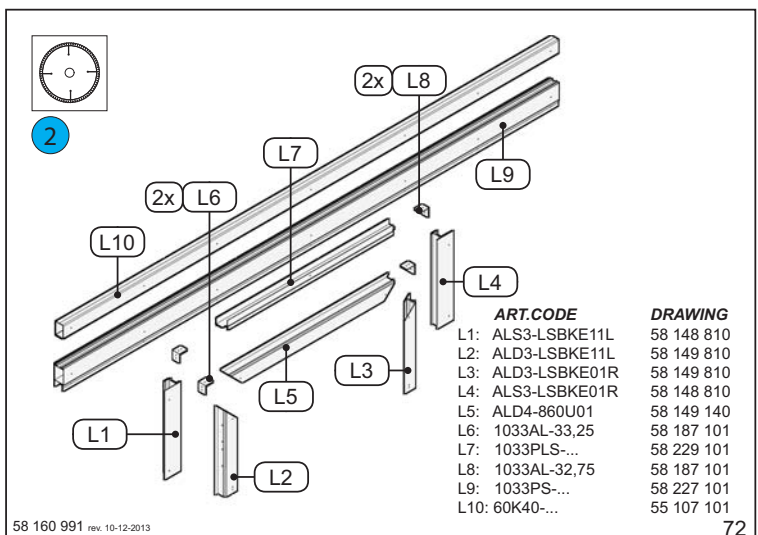
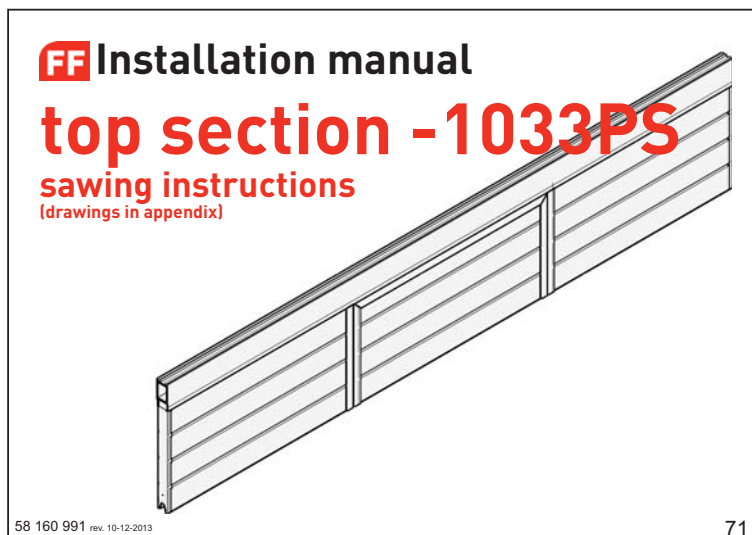
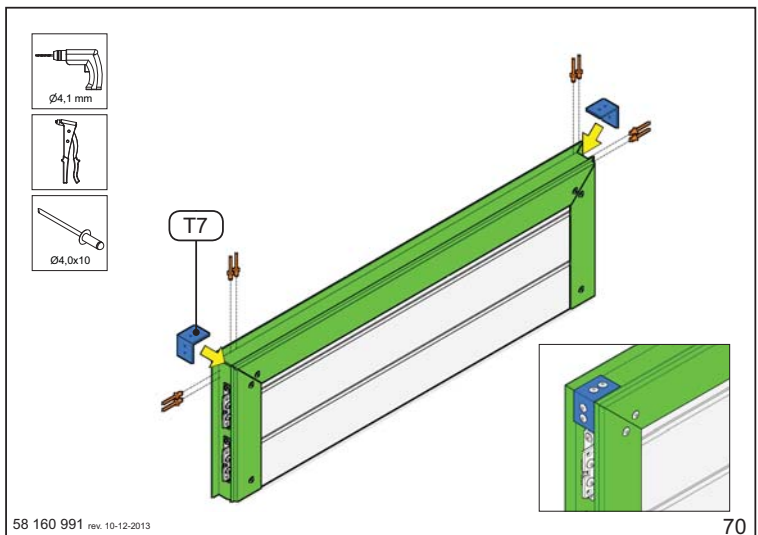
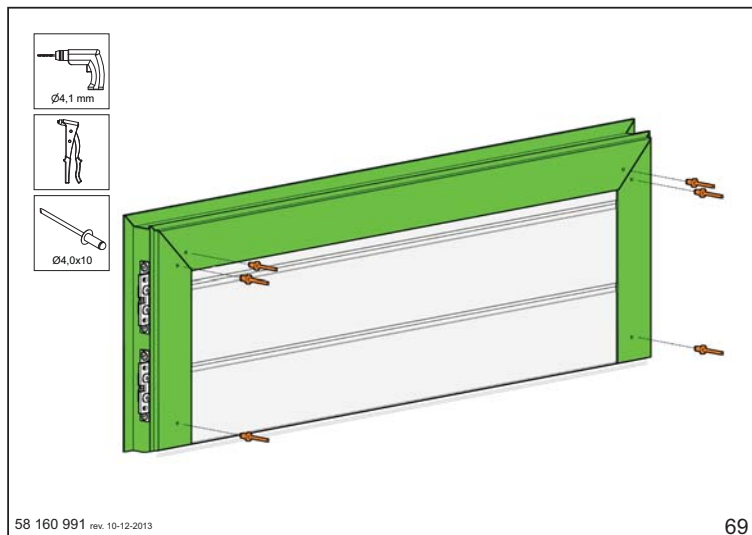
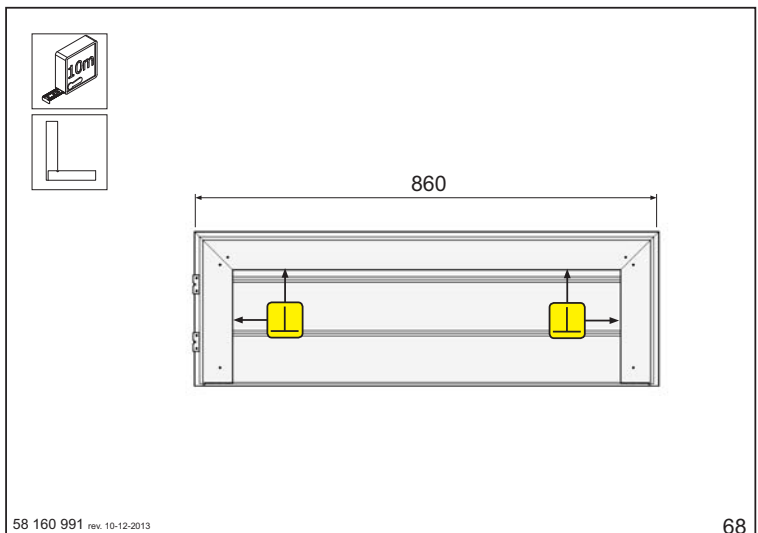
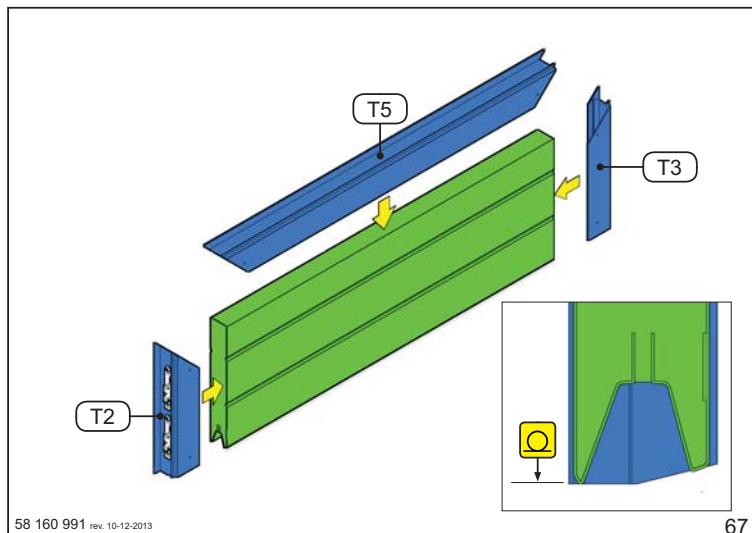
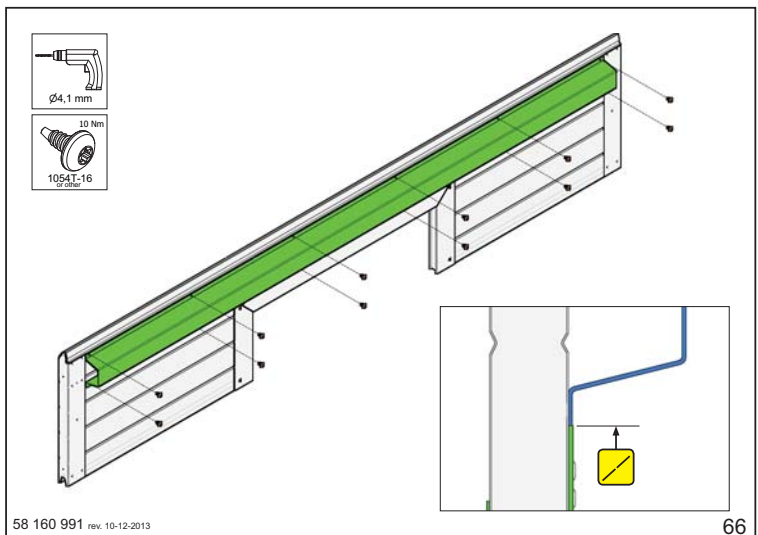
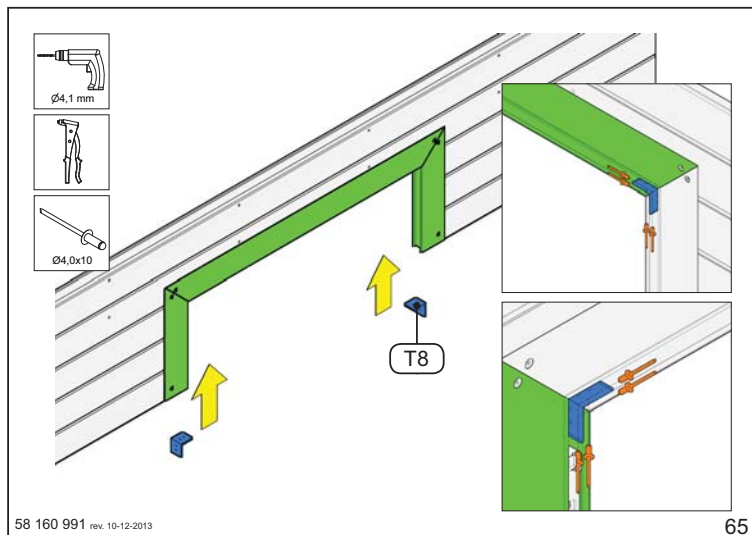
58 160 991 rev. 10-12-2013

63

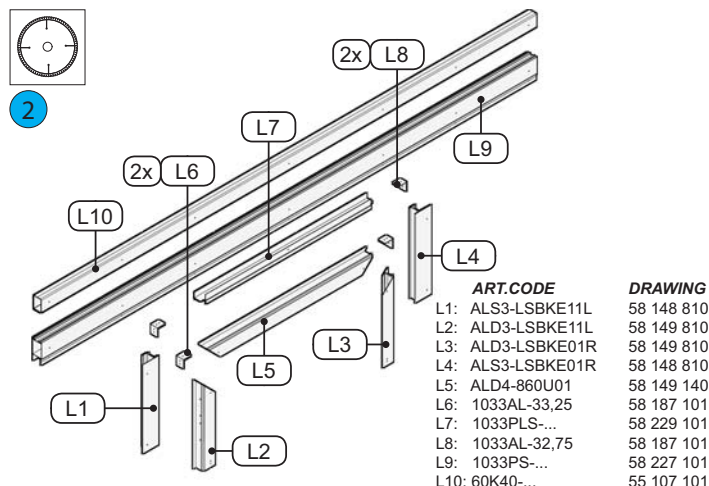
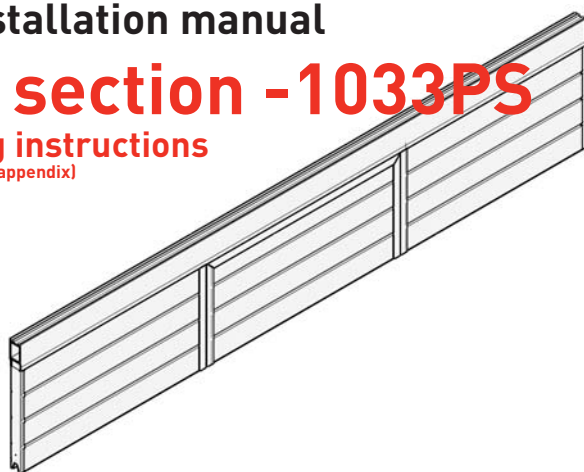


58 160 991 rev. 10-12-2013

64

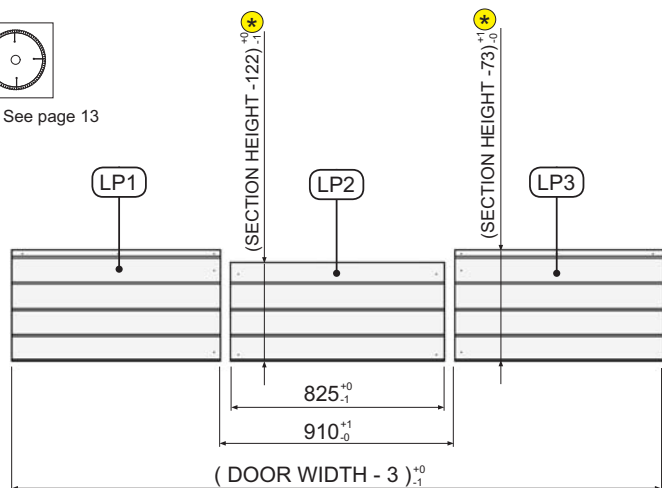


FF Installation manual **top section -1033PS** sawing instructions (drawings in appendix)





★ See page 13



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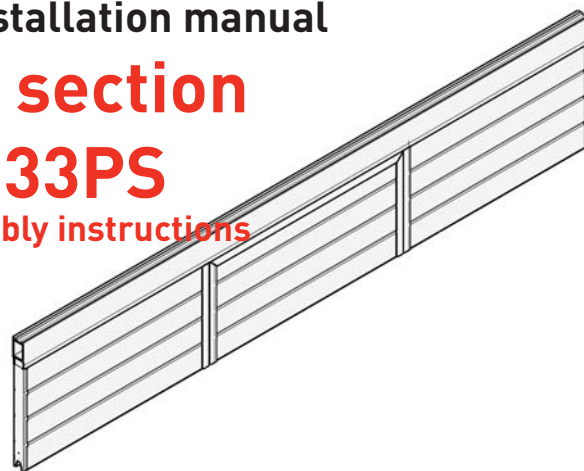
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FF Installation manual

top section

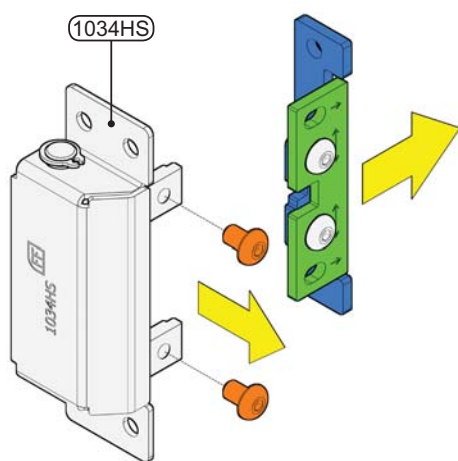
-1033PS

assembly instructions



58 160 991 rev. 10-12-2013

74

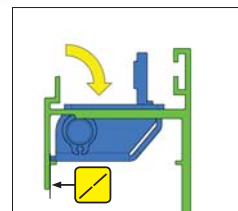
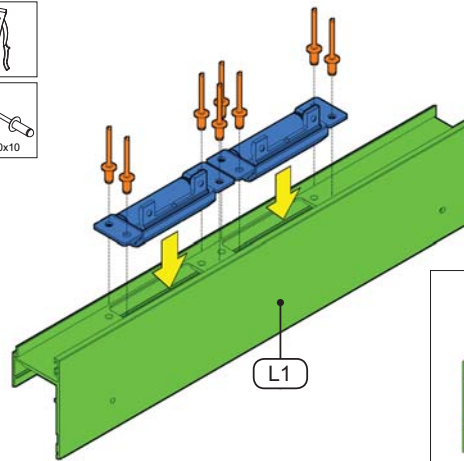


58 160 991 rev. 10-12-2013

75



3

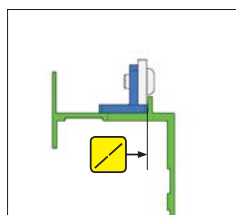
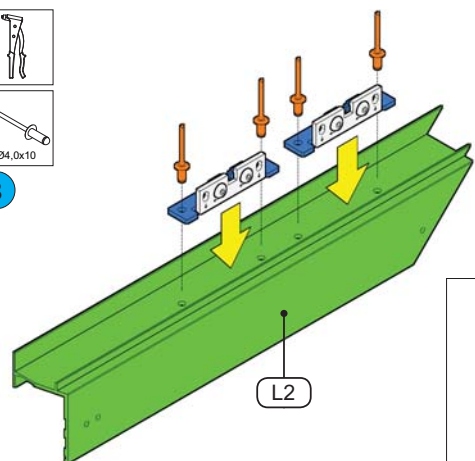


58 160 991 rev. 10-12-2013

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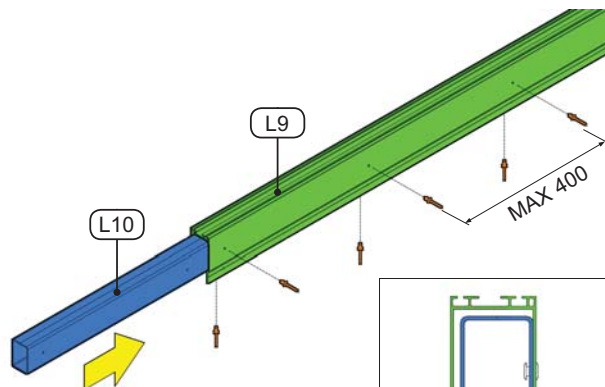


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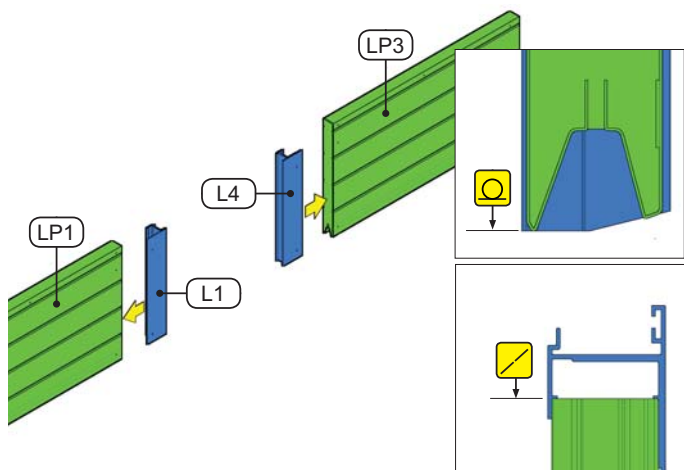
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77



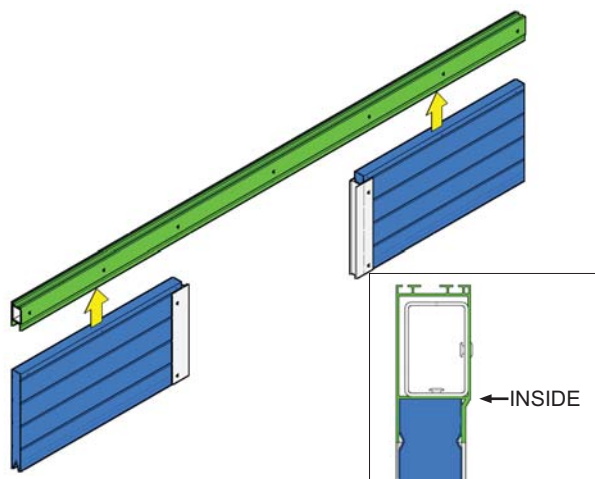
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78



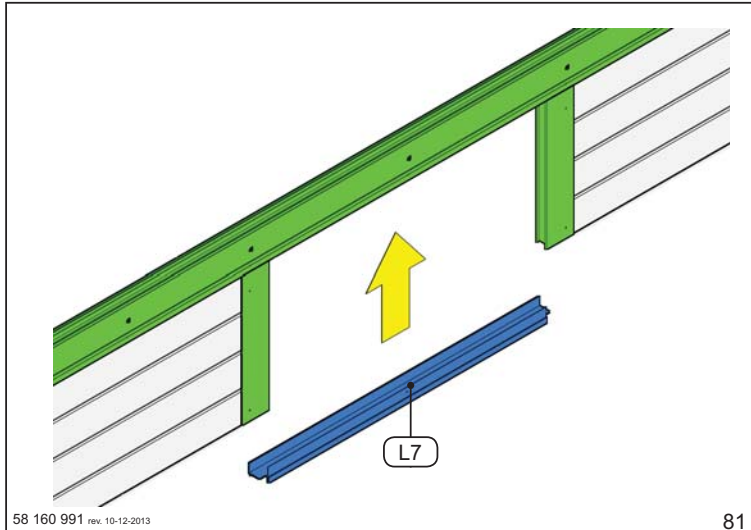
58 160 991 rev. 10-12-2013

79

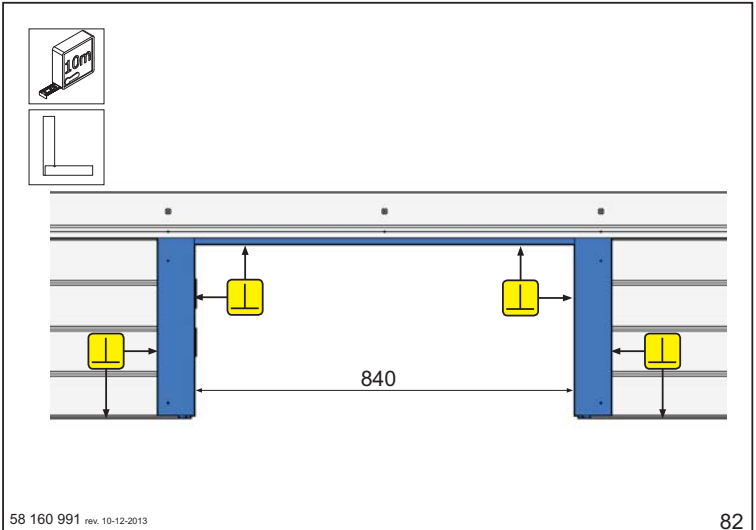


58 160 991 rev. 10-12-2013

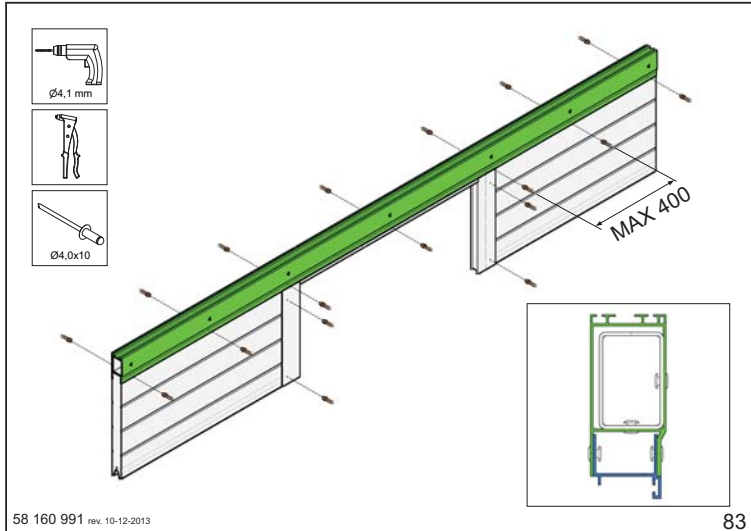
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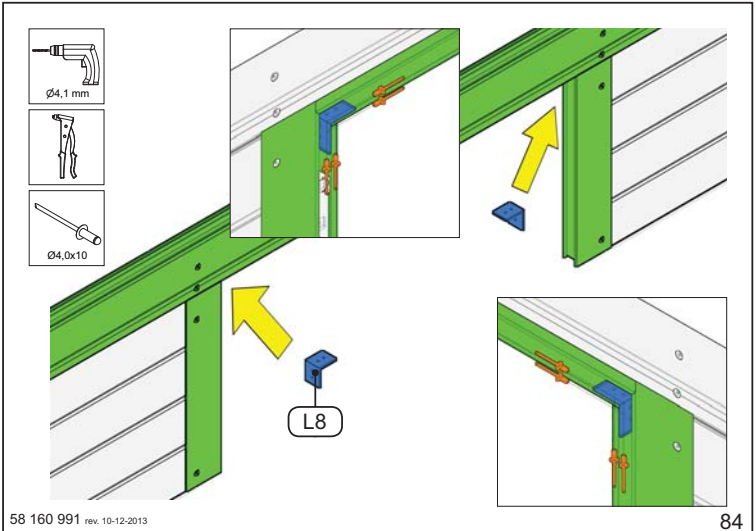
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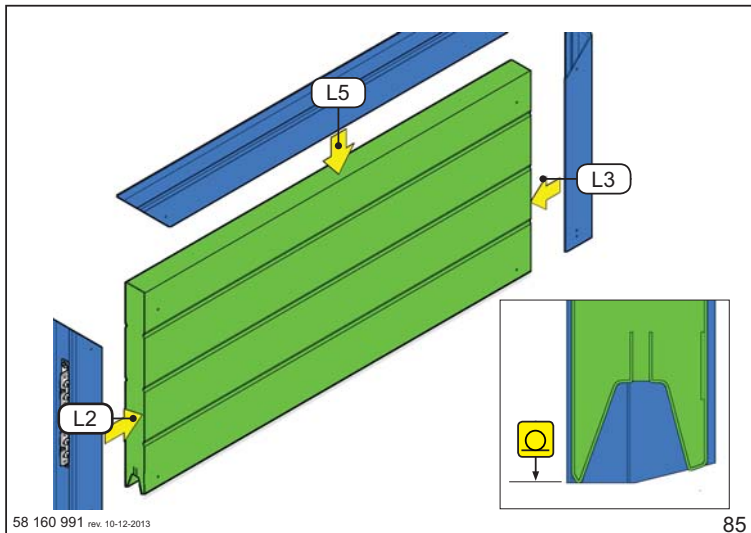
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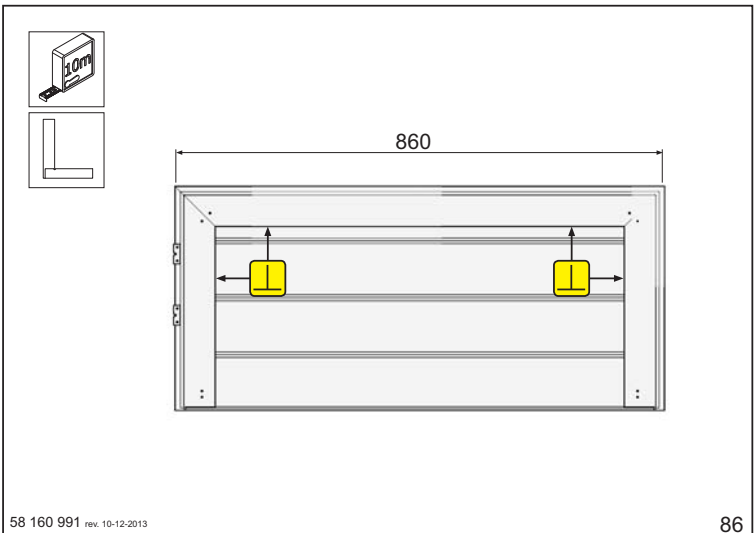
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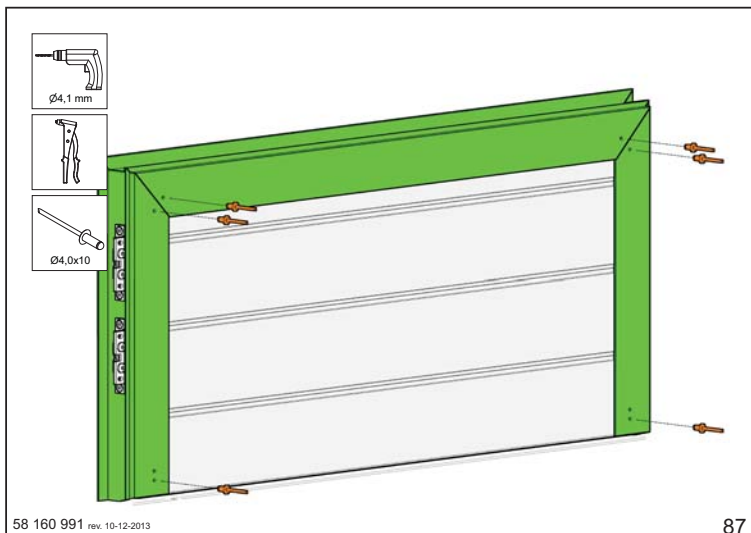
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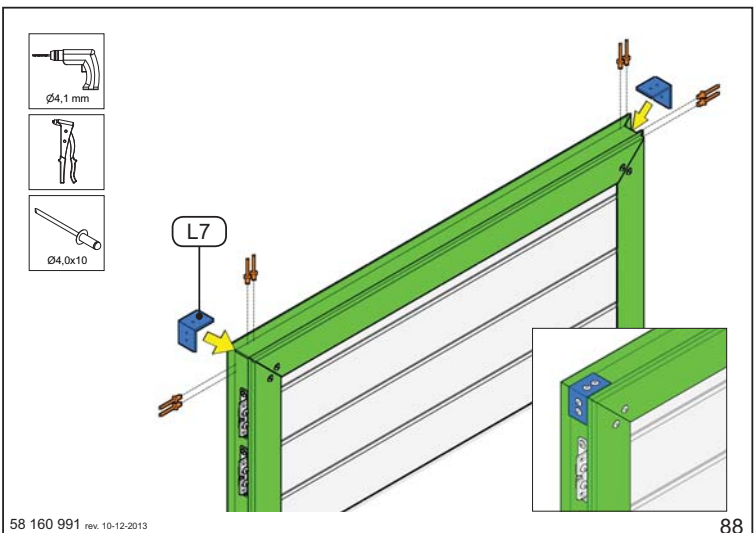
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86



87



88

FF Installation manual

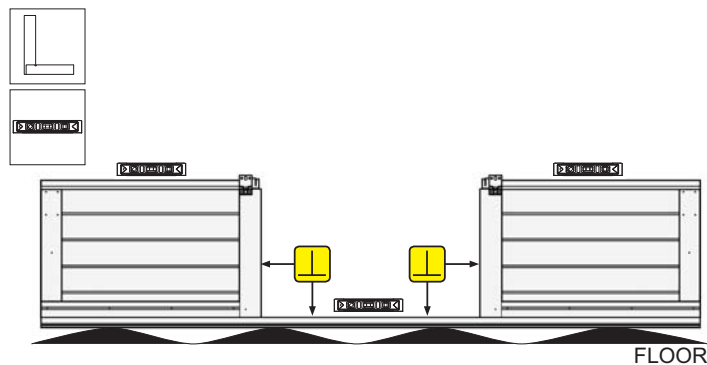
complete door

assembly instructions



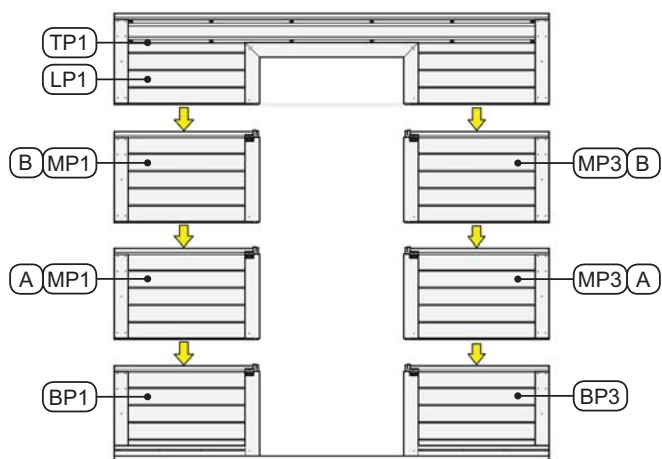
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89



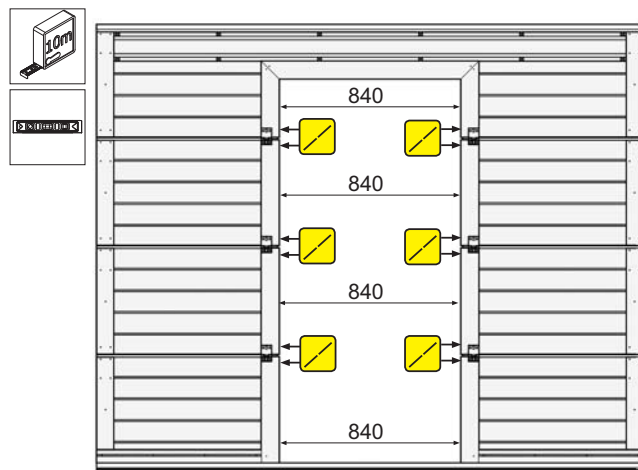
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90



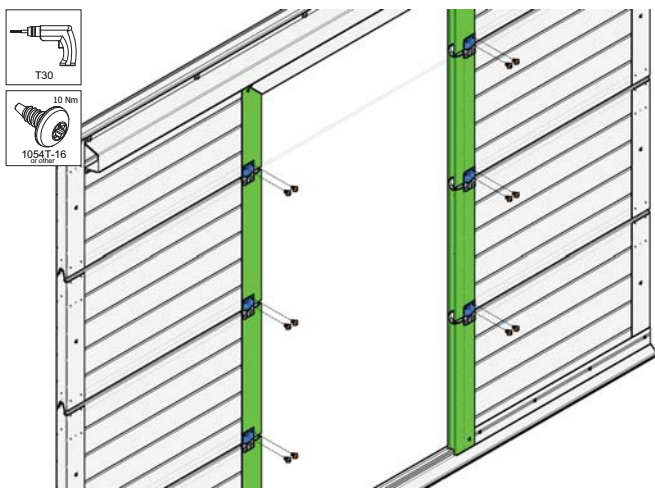
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91



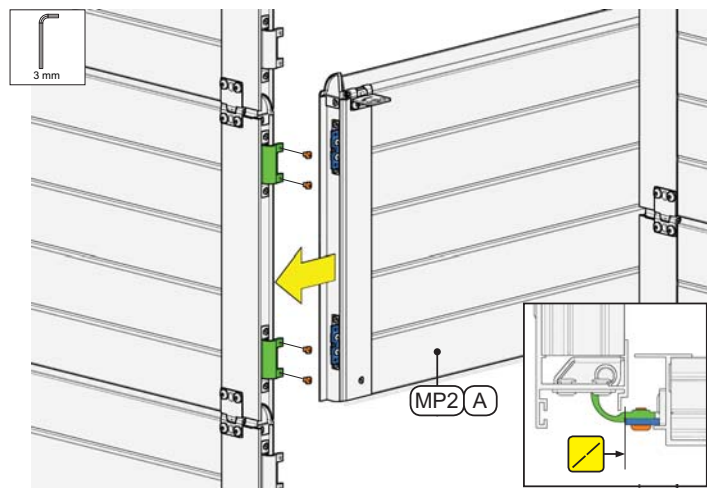
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92



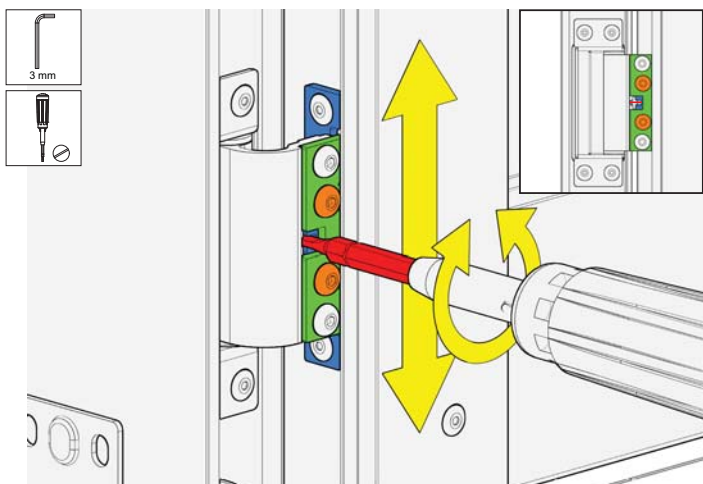
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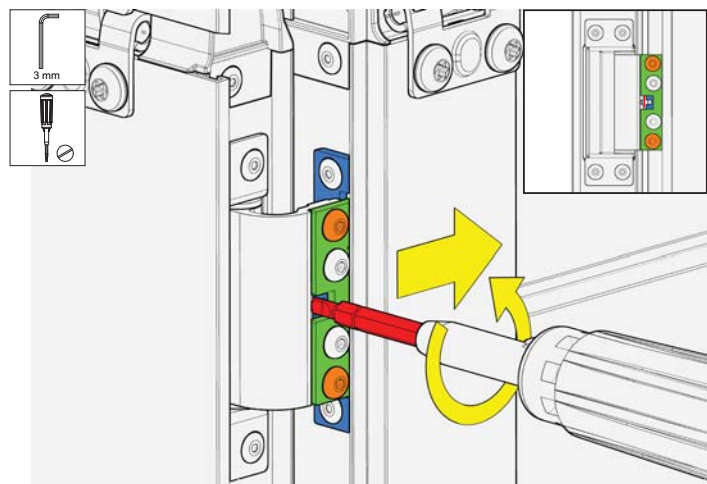
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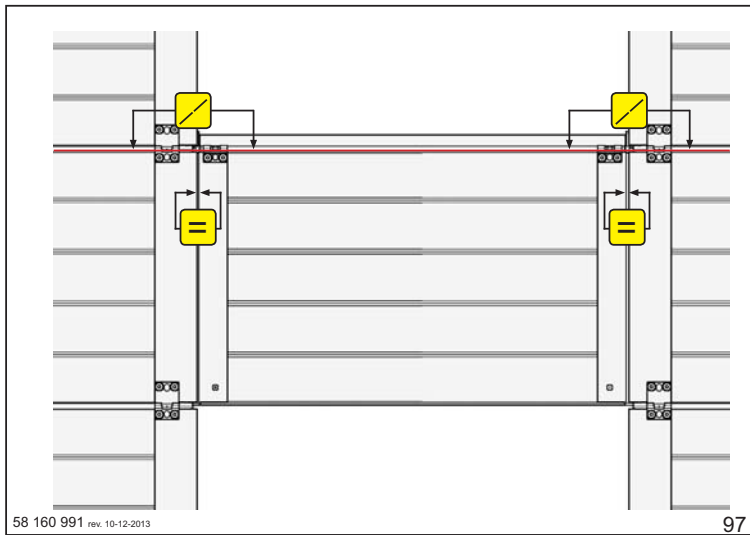
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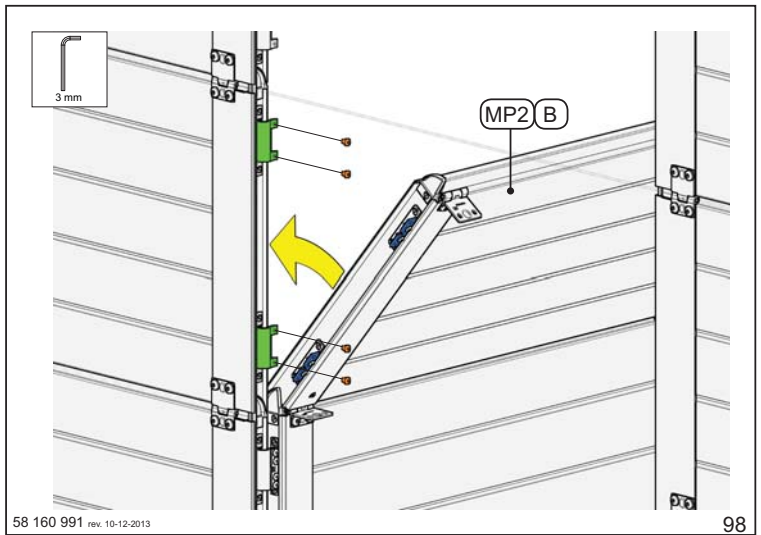


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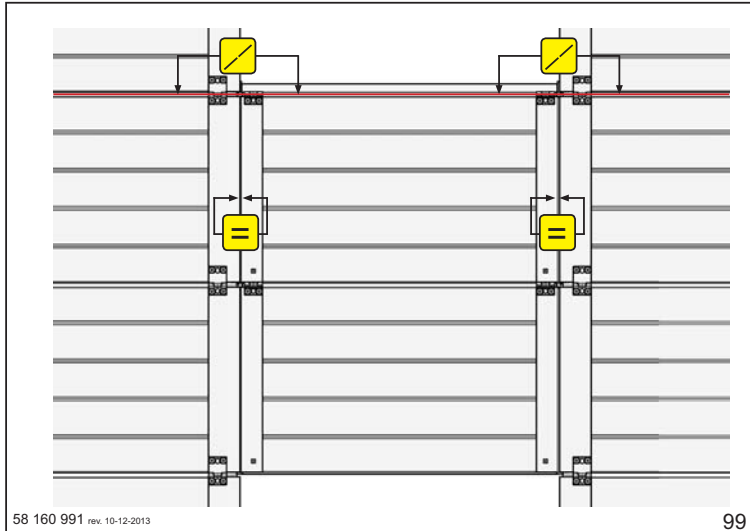
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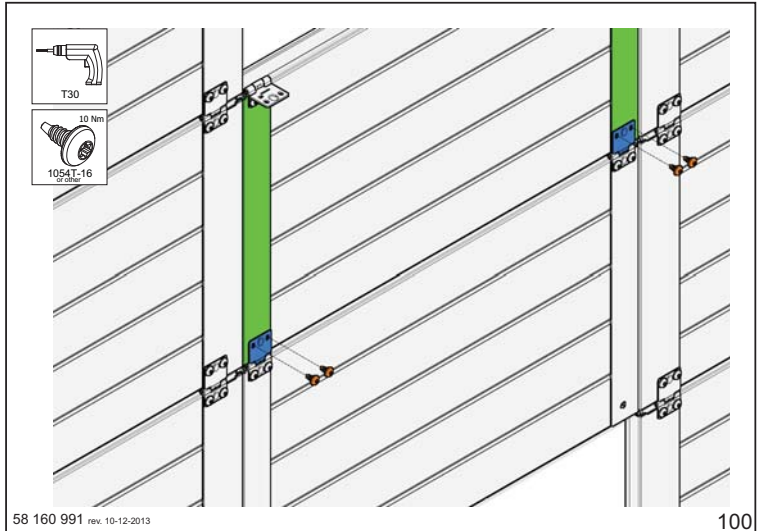
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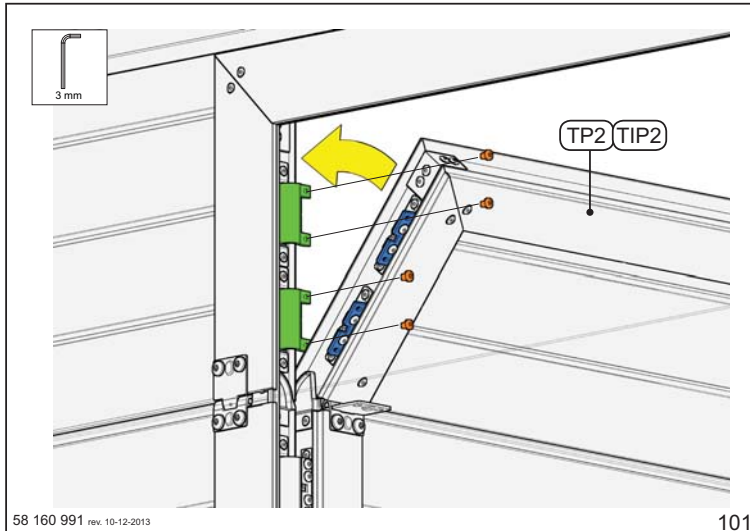
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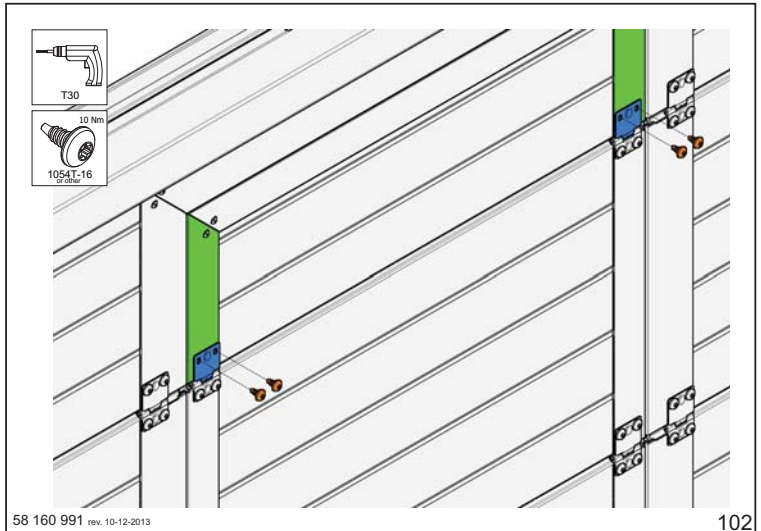
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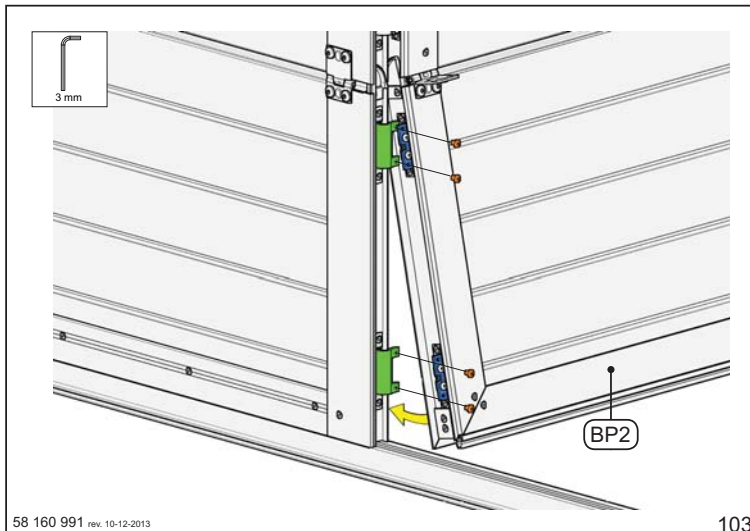
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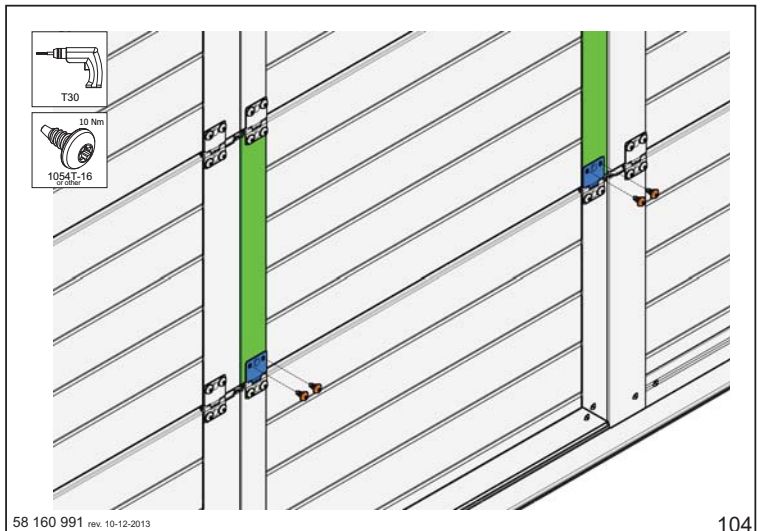
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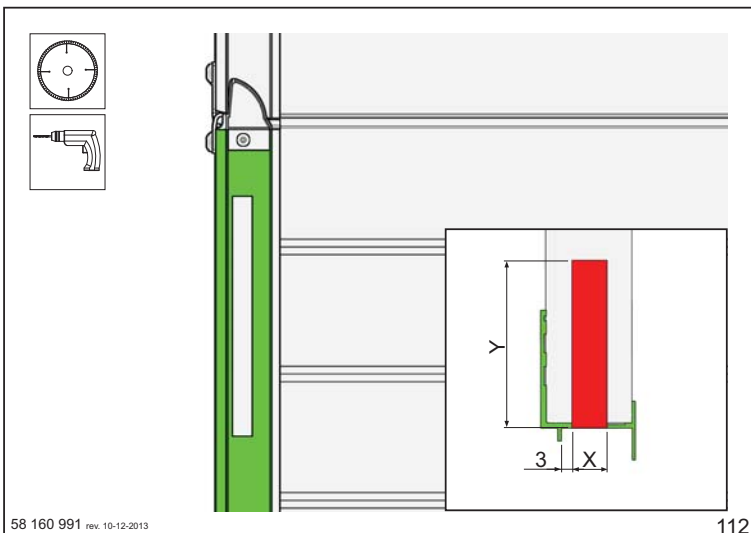
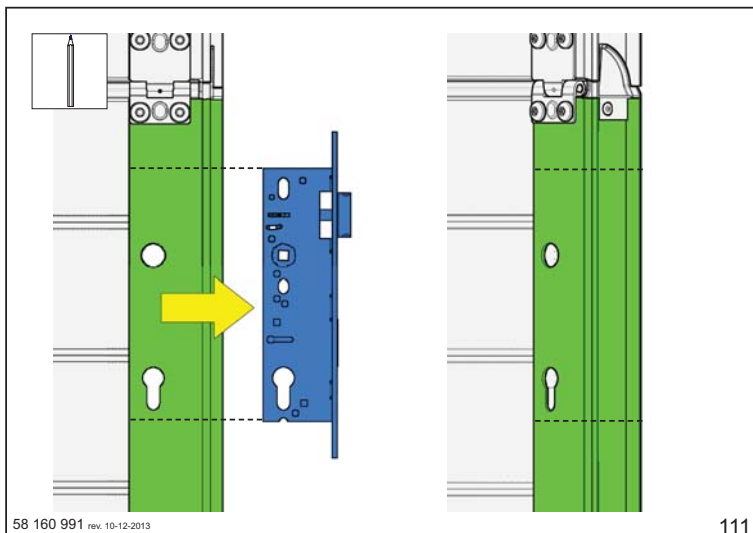
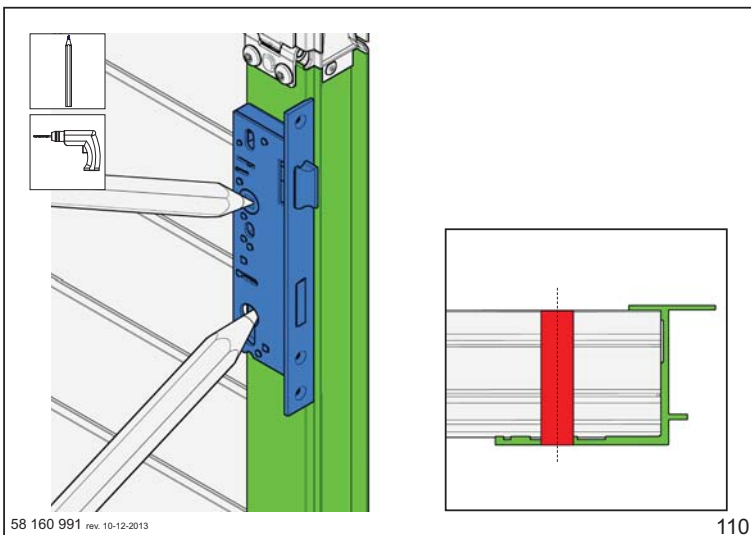
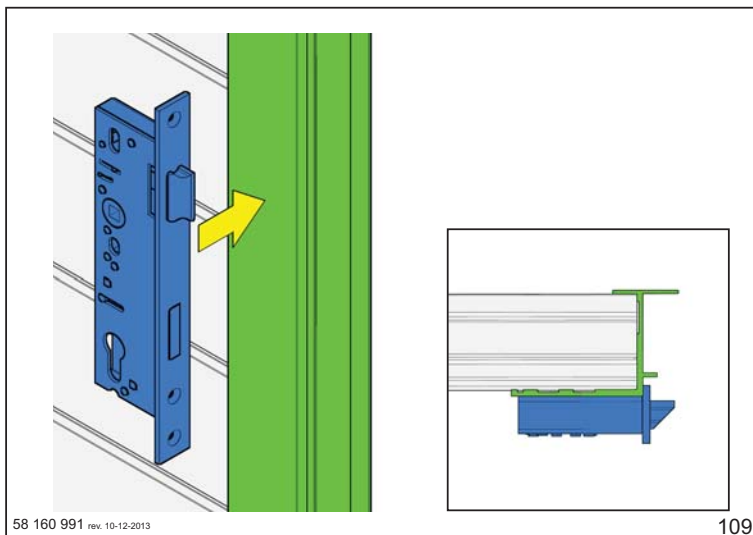
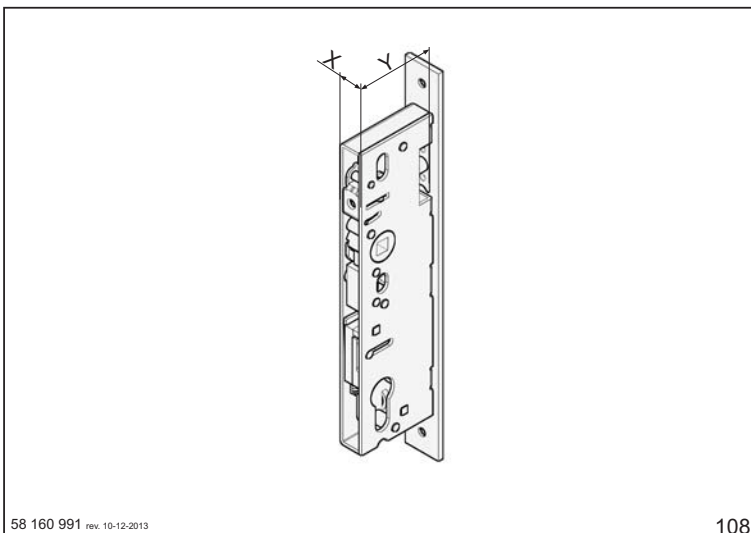
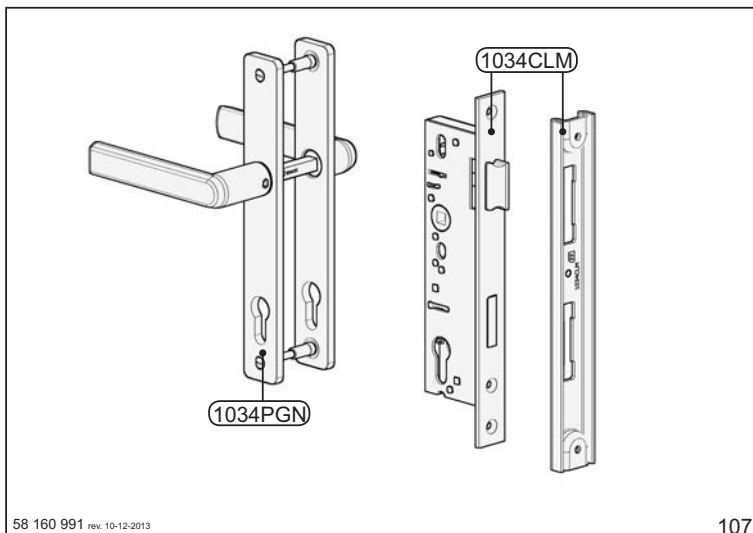
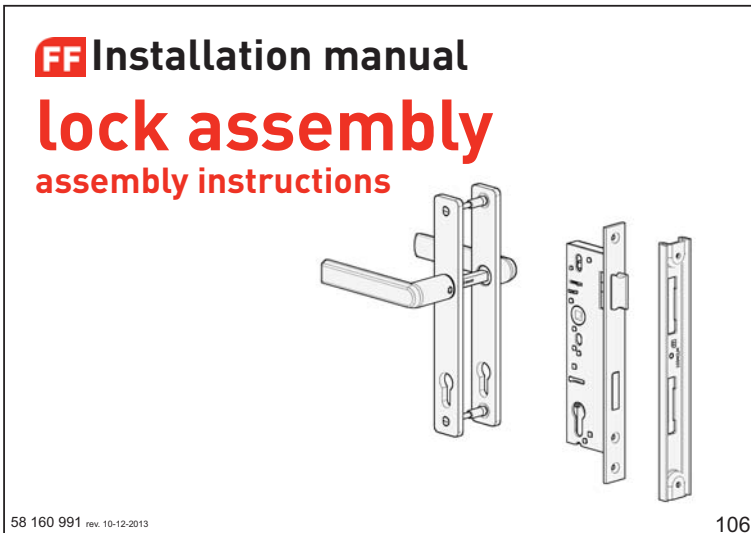
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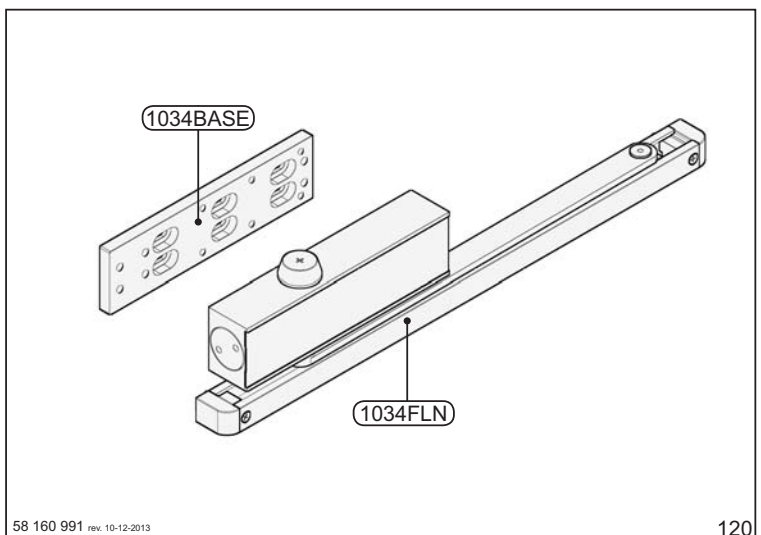
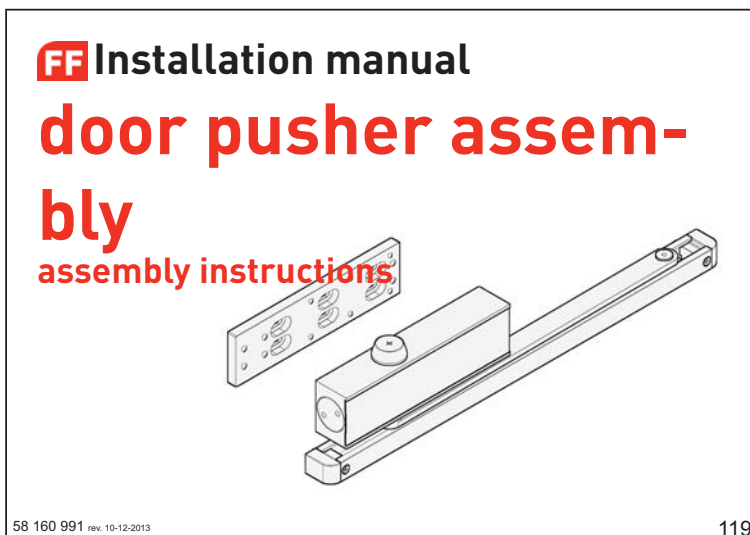
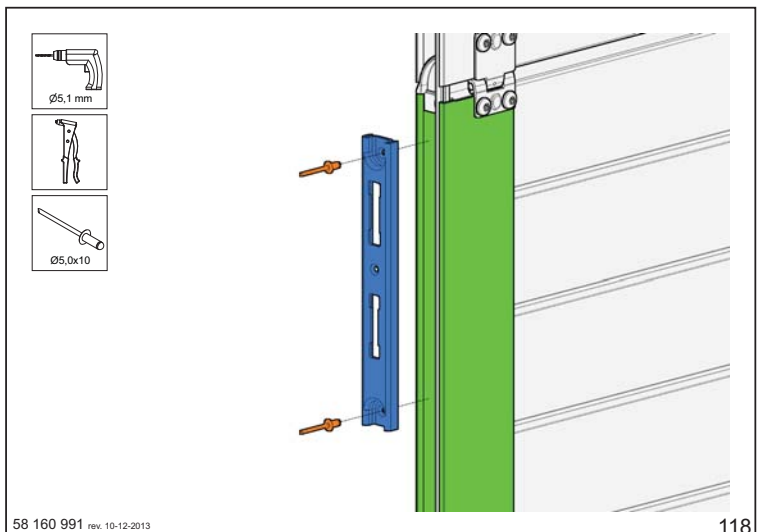
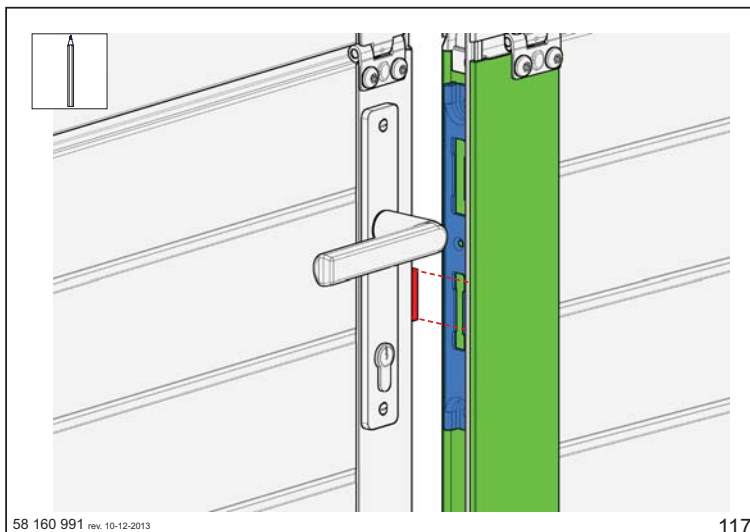
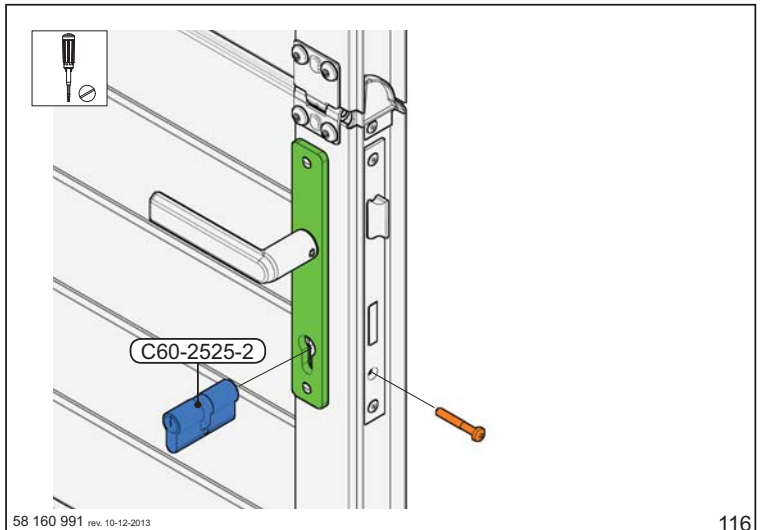
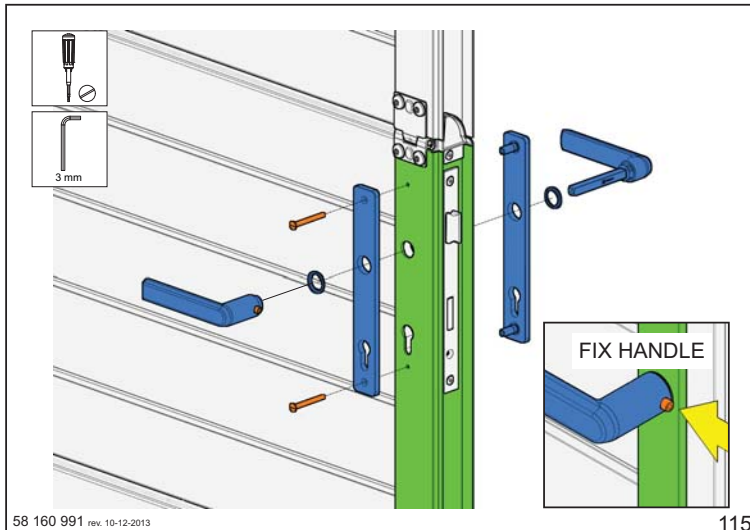
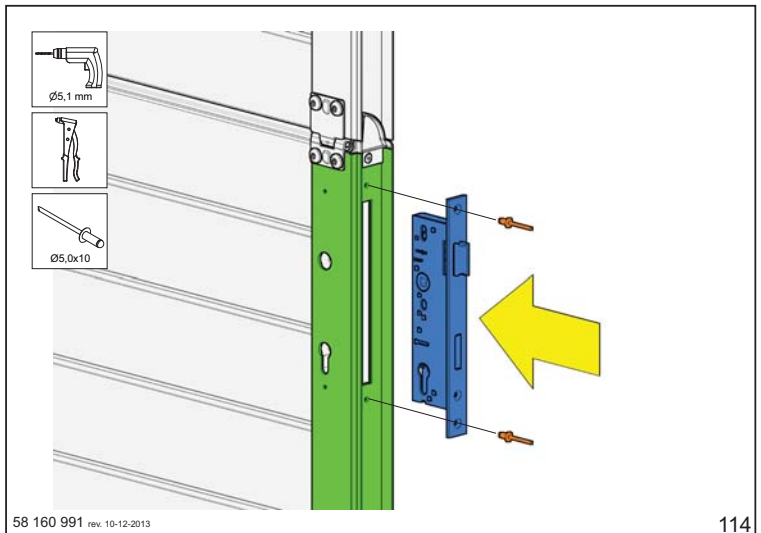
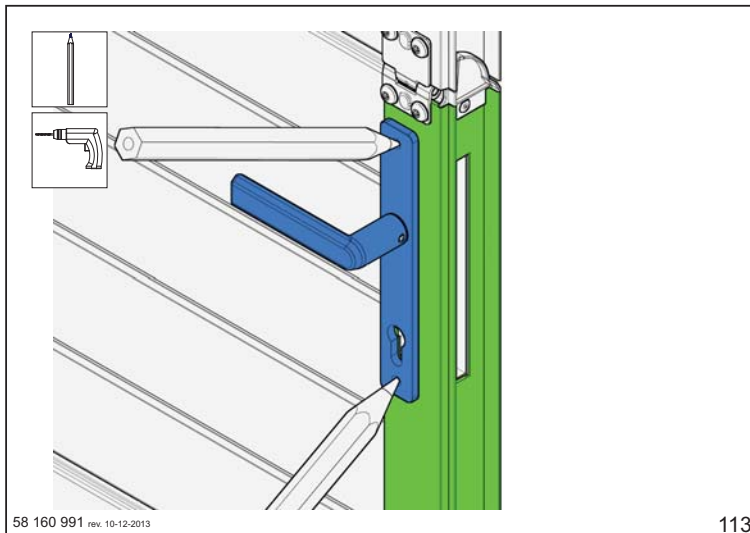


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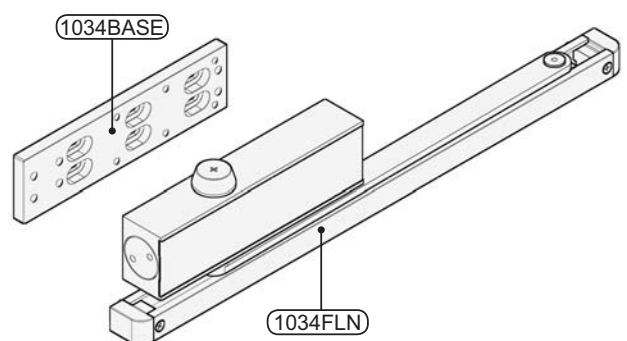
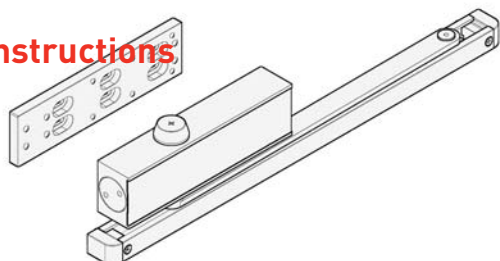


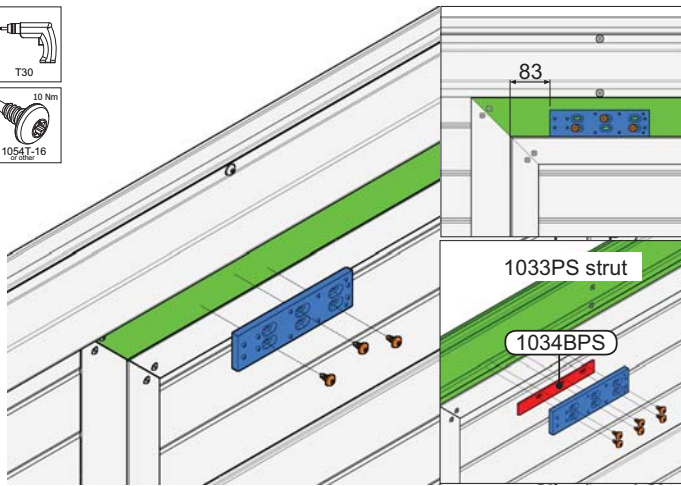
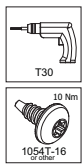
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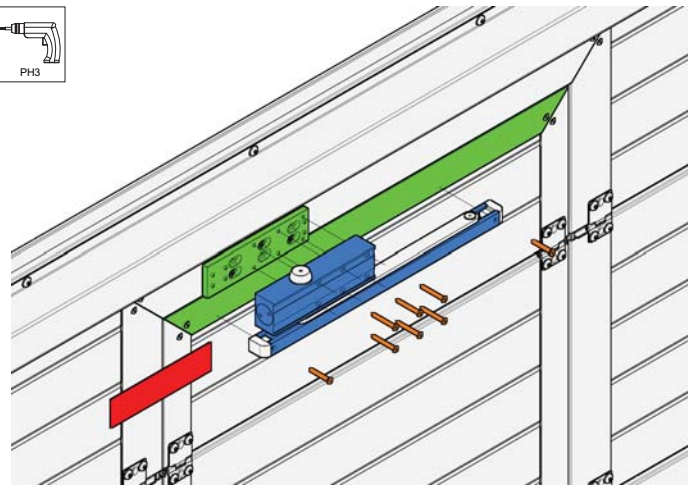
FF Installation manual
door pusher assembly
 assembly instructions





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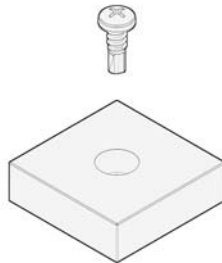
58 160 991 rev. 10-12-2013

122

FF Installation manual

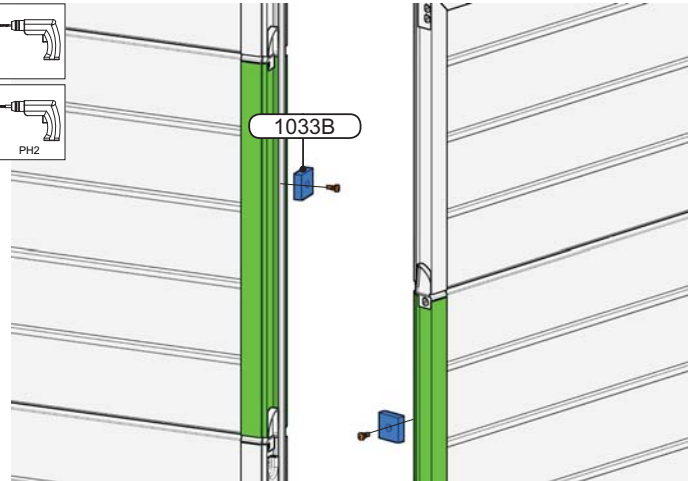
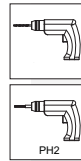
1033B

(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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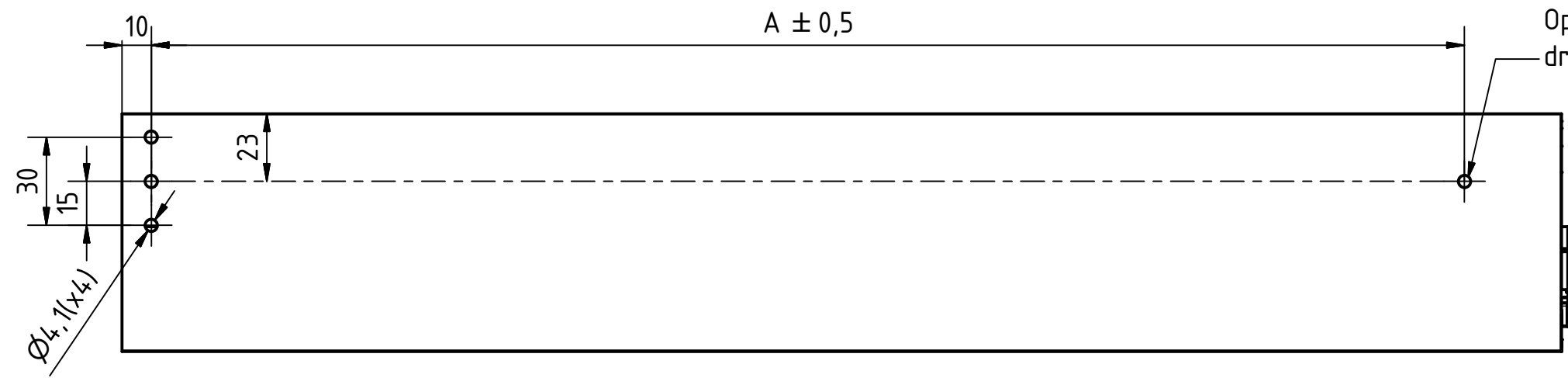
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FF Installation manual

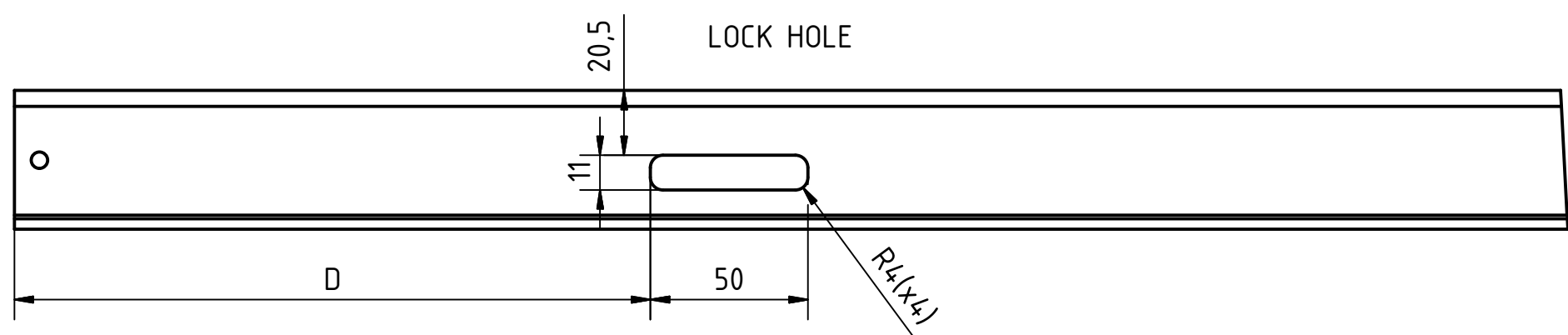
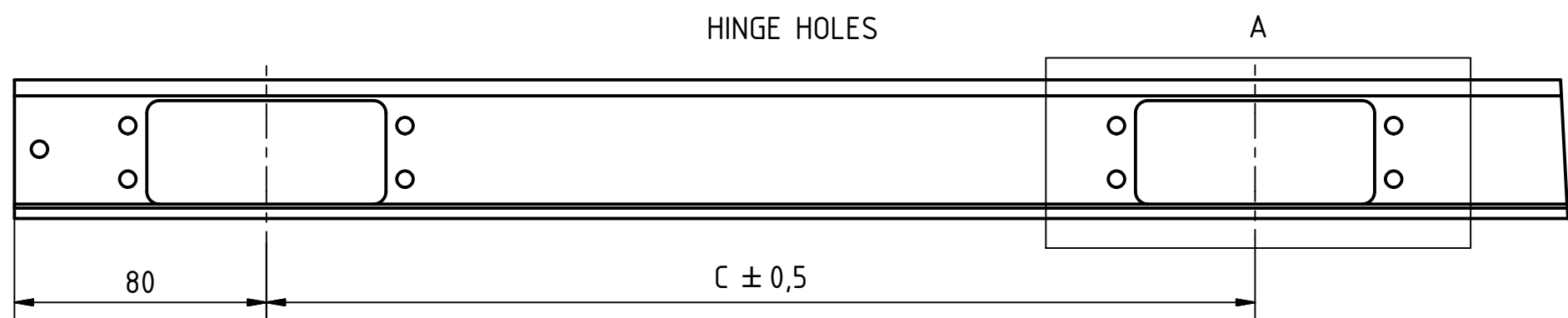
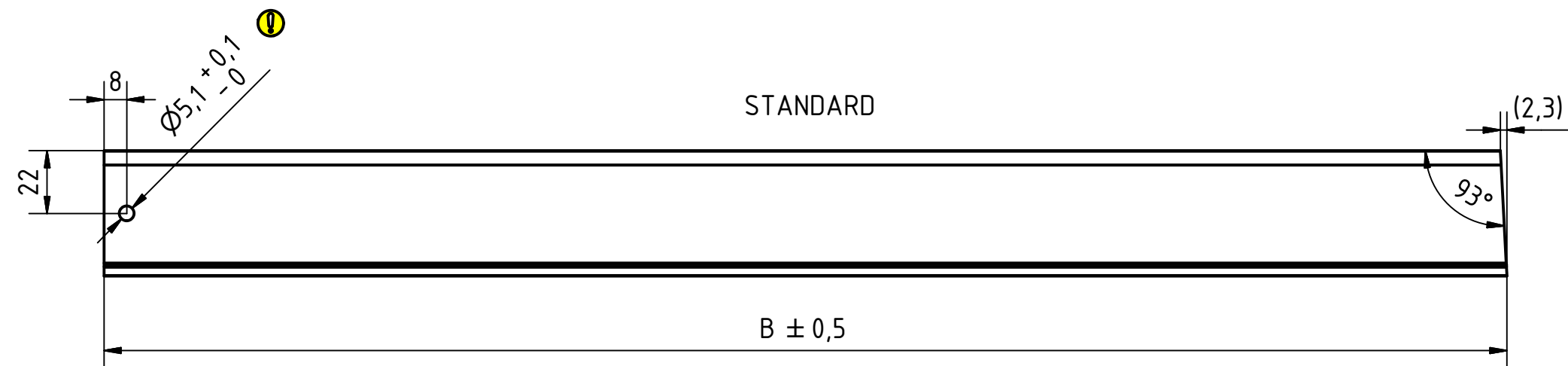
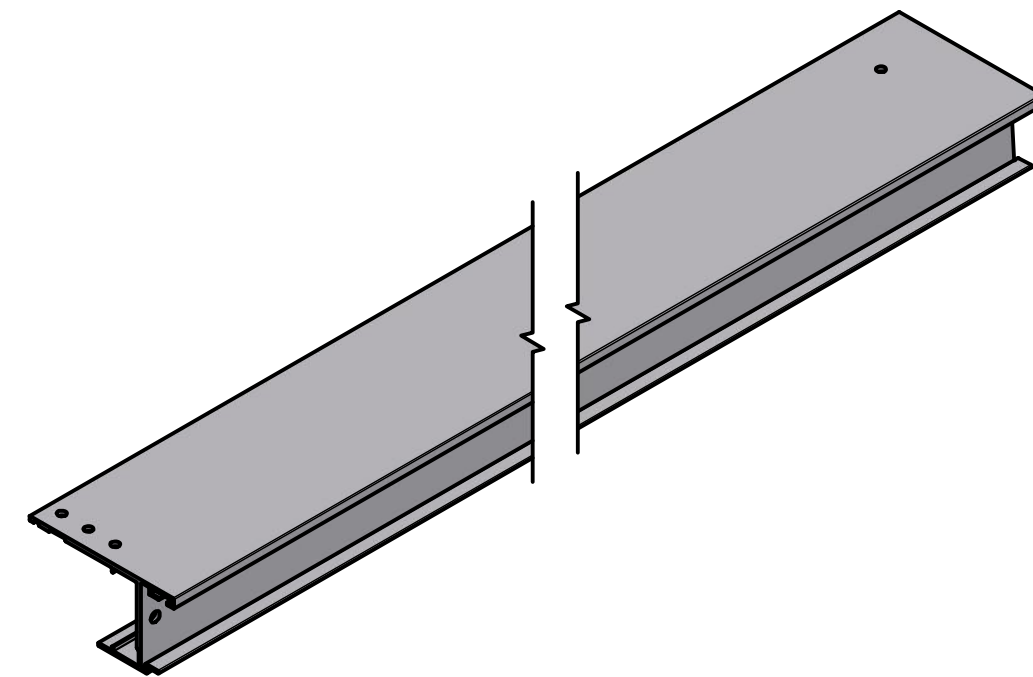
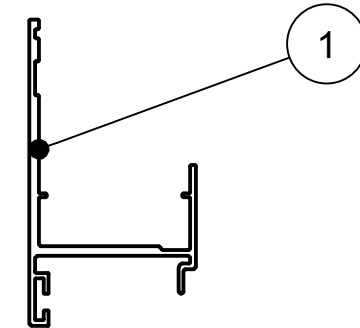
appendix

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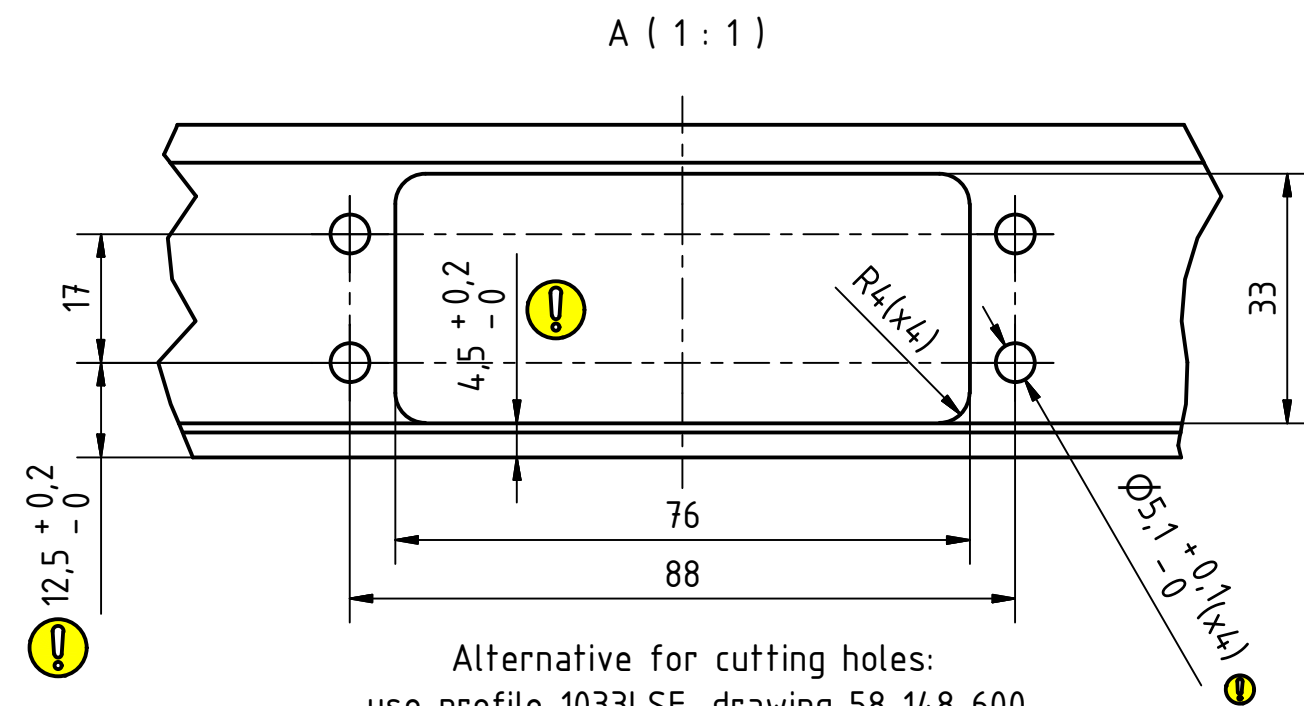
127



Option: make holes by using
drill pattern, drawing: 10 135 310.



RELEASED FOR
PRODUCTION



Alternative for cutting holes:
use profile 1033LSF, drawing 58 148 600.

Changed / Added

Left and right version, right handed version drawn

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	

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

23-01-2013	Changed Dim. B (was 436,9 & 546,9); Dim. A (was 432,9 & 546,9); Dim. Ø5,1 (was Ø6,5); Drill pattern remark. Added hole Ø5,1 & remark about hole; Dim. 12,5 (removed 14); Dim. 4,5 (removed 6).	JiGa
23-01-2012	Changed Dim. B (was 491,3mm & 601,3)	JiGa
05-06-2012	Dim 10 changed was 14	GiKu
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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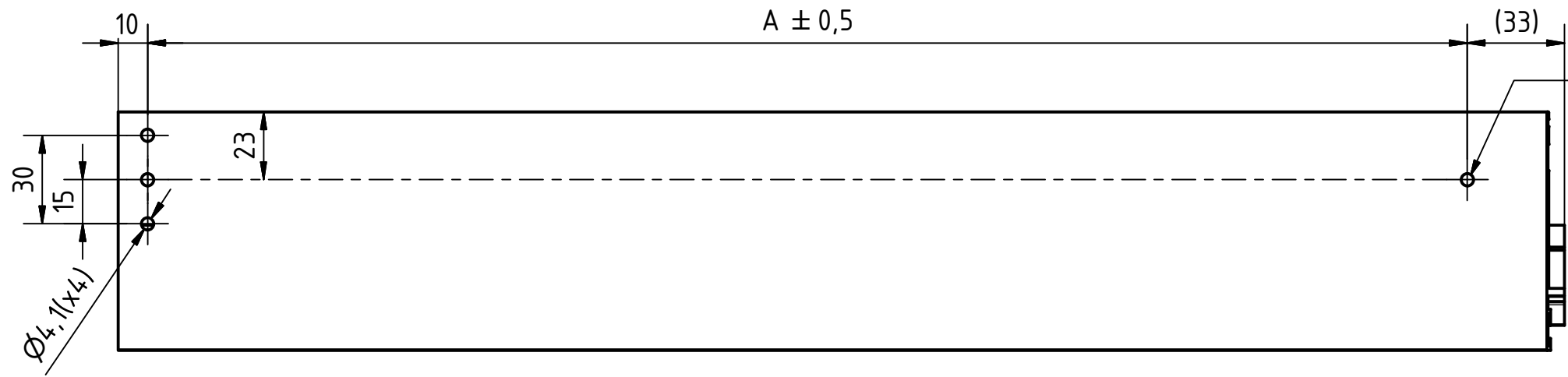
DESCRIPTION	Safe Step sheet bottom panels	DRAWING NO.	58 148 110	FORM.: A2
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ARTICLE CODE	...	REVISION DATE	23-01-2013
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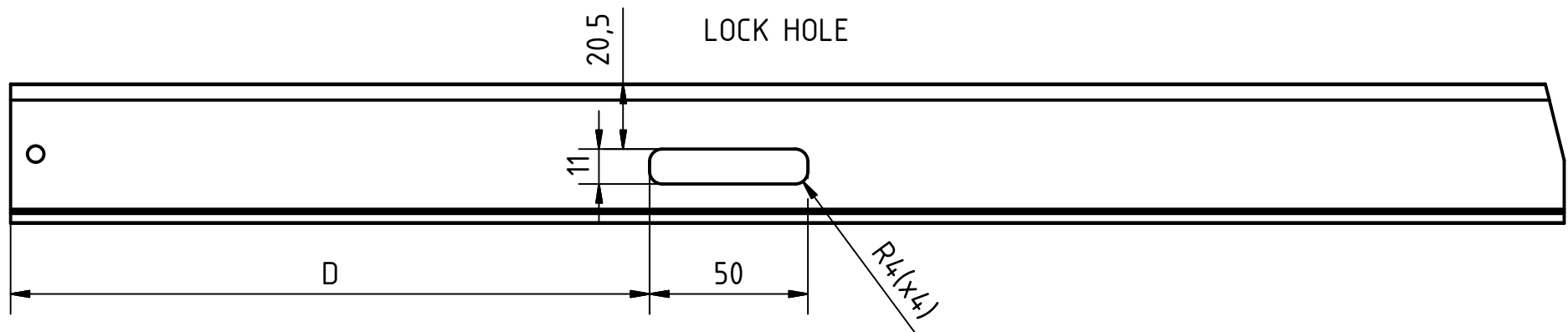
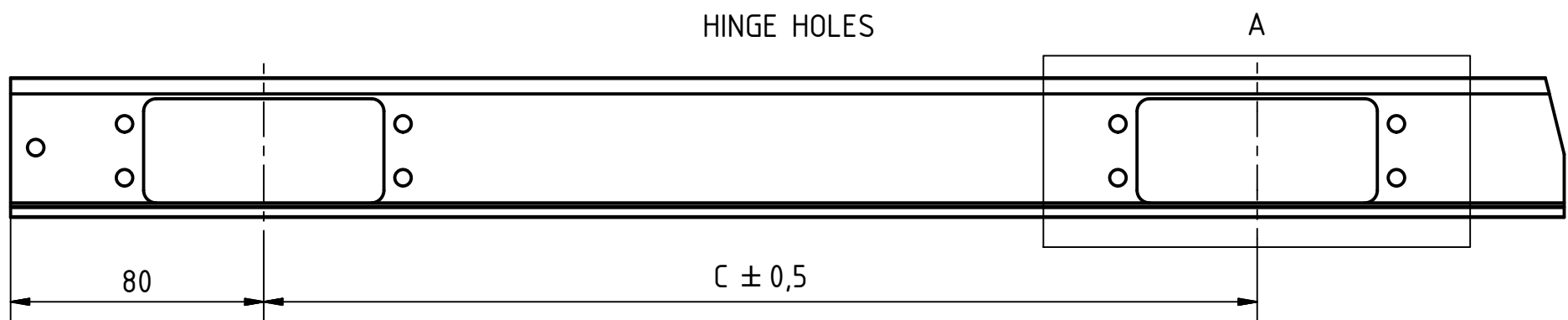
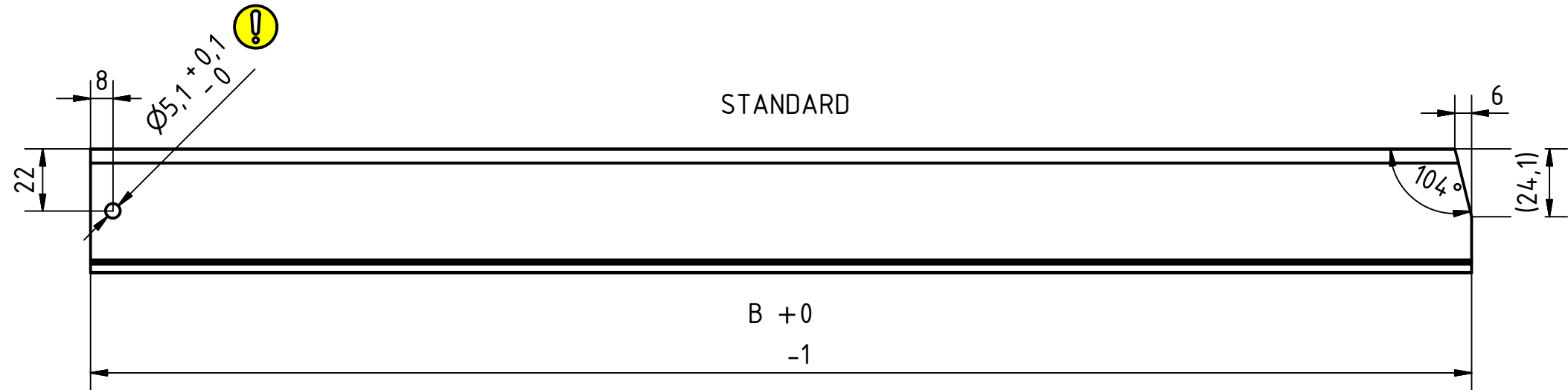
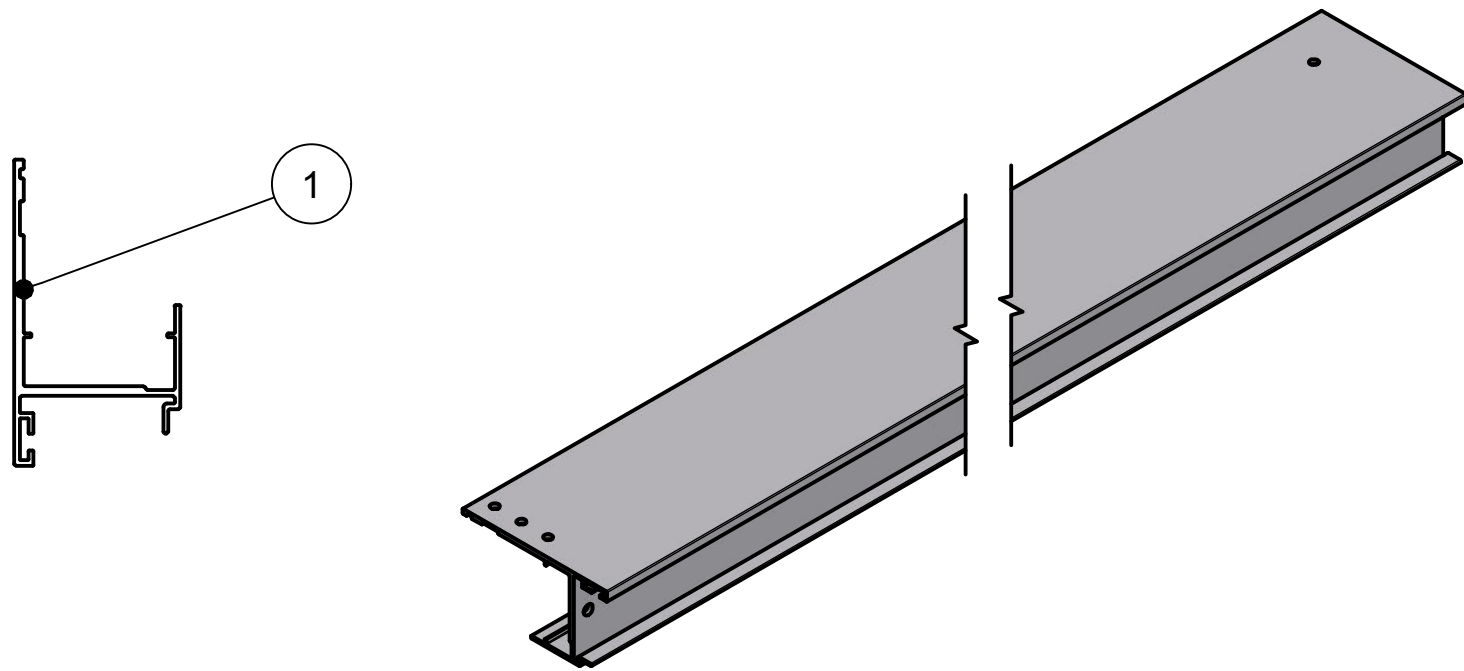
NAME	JoFr	 innovations for overhead doors	WEIGHT	- kg/m
DATE	11-11-2010		VOLUME	- mm ³
NETT WEIGHT	... kg		AREA	- mm ²

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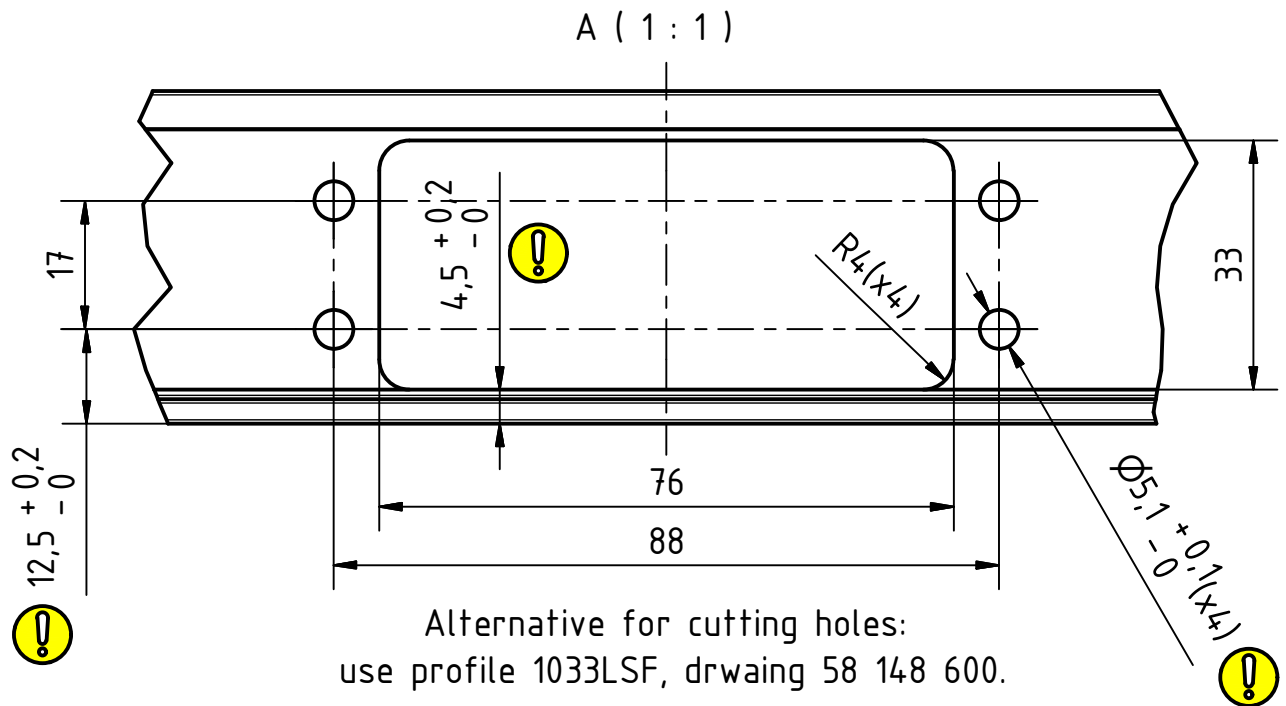
	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	Dim.A	Dim.B	Dim.C	Dim.D	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016					
STANDARD	500	ALS1-500KE00R/L	ALS1-500KE01R/L	ALS1-500KE02R/L	448	493,3	-	-	0,451 kg
HINGE HOLES	500	ALS1-500KE10R/L	ALS1-500KE11R/L	ALS1-500KE12R/L	448	493,3	314	-	0,417 kg
LOCK HOLE	500	ALS1-500KE20R/L	ALS1-500KE21R/L	ALS1-500KE22R/L	448	493,3	-	202	0,447 kg
STANDARD	610	ALS1-610KE00R/L	ALS1-610KE01R/L	ALS1-610KE02R/L	558	603,3	-	-	0,55 kg
HINGE HOLES	610	ALS1-610KE10R/L	ALS1-610KE11R/L	ALS1-610KE12R/L	558	603,3	424	-	0,516 kg
LOCK HOLE	610	ALS1-610KE20R/L	ALS1-610KE21R/L	ALS1-610KE22R/L	558	603,3	-	257	0,546 kg



Option: make holes by using
drill pattern, drawing: 10 135 310. ⚠



RELEASED FOR
PRODUCTION



Alternative for cutting holes:
use profile 1033LSF, draing 58 148 600.

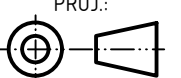
ISO 2768m	TOLERANCE
0,5-3	±0,1
>3-6	±0,1
>6-30	±0,2
>30-120	±0,3
>120-400	±0,5
>400-1000	±0,8
>1000-2000	±1,2
>2000-4000	±2

⚠ Changed / Added

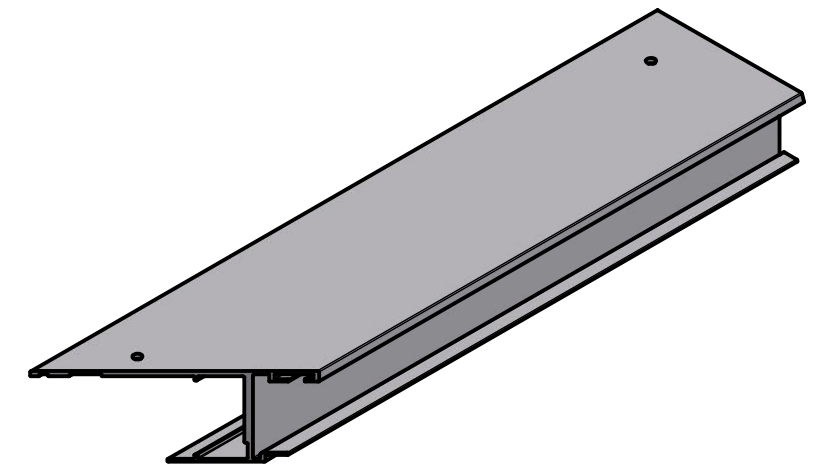
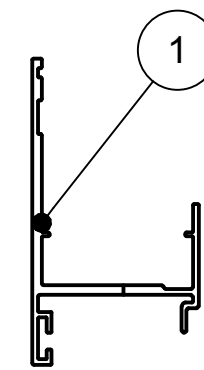
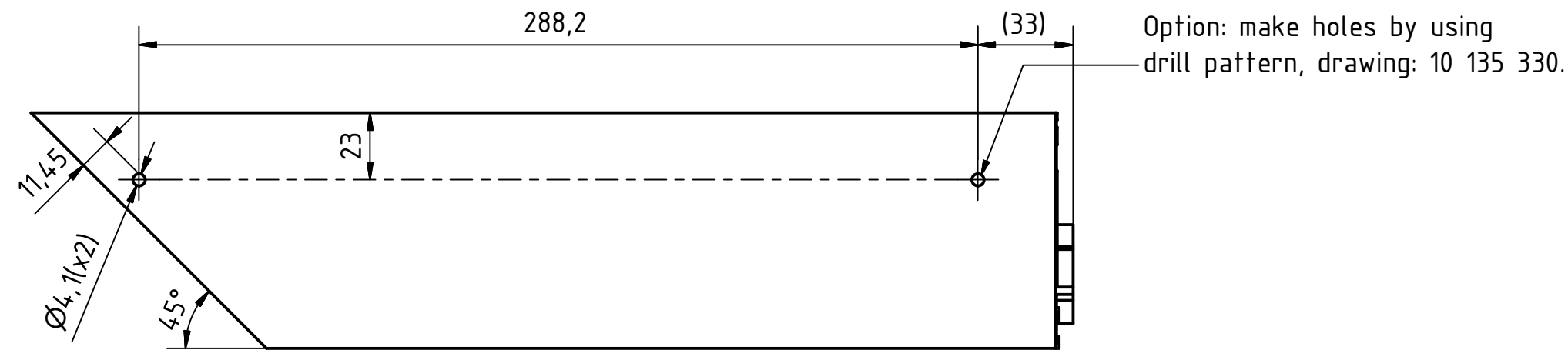
Left and right version, right handed version drawn

1	1	Alu for Door Casing	1033LSF.....	58 148 600	23-01-2013	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

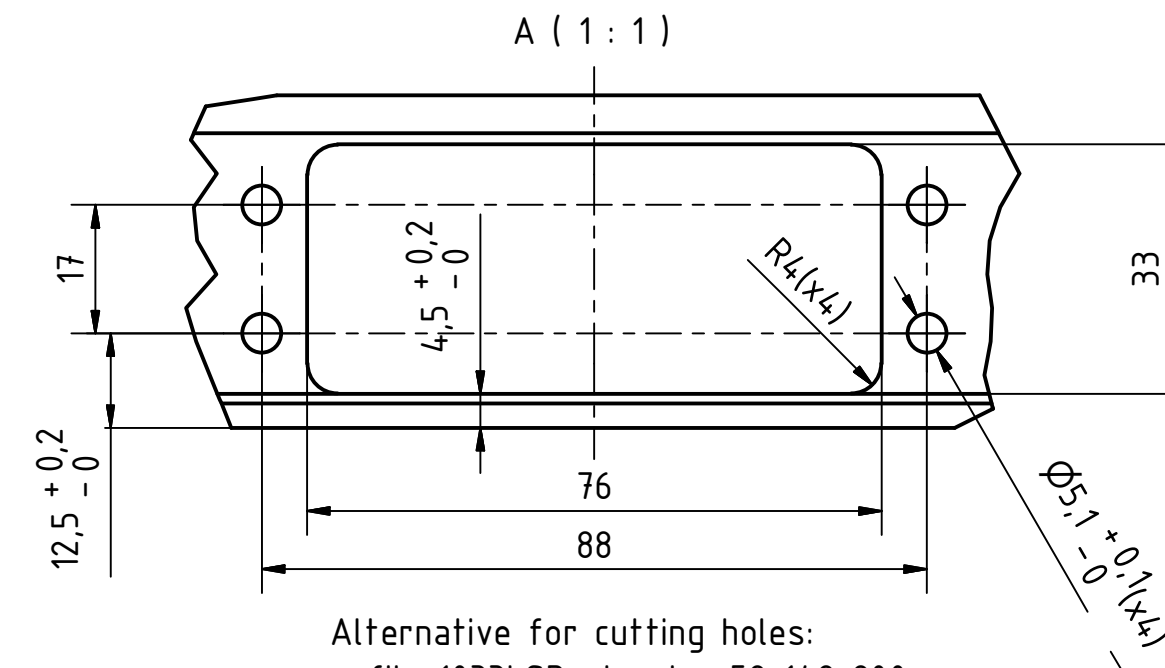
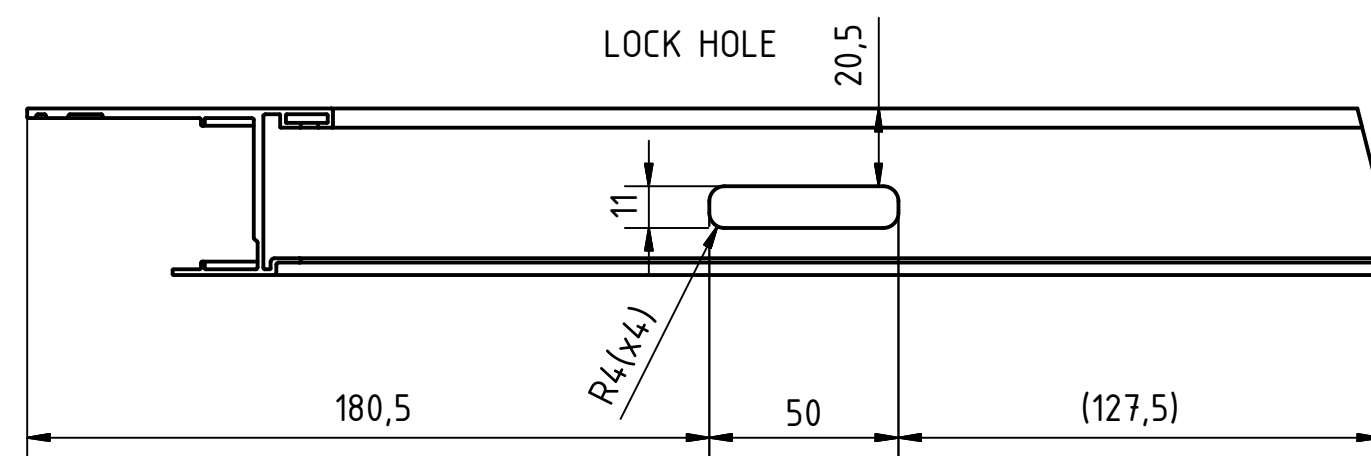
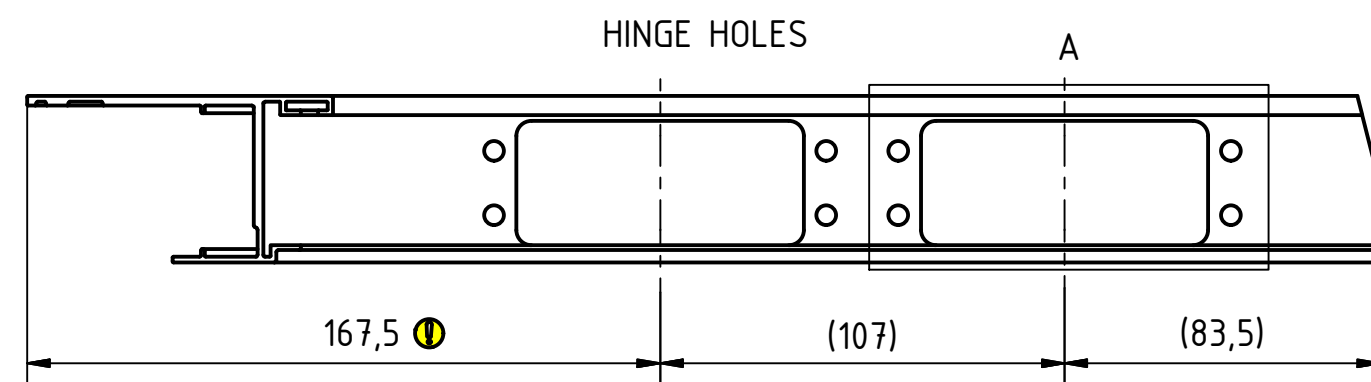
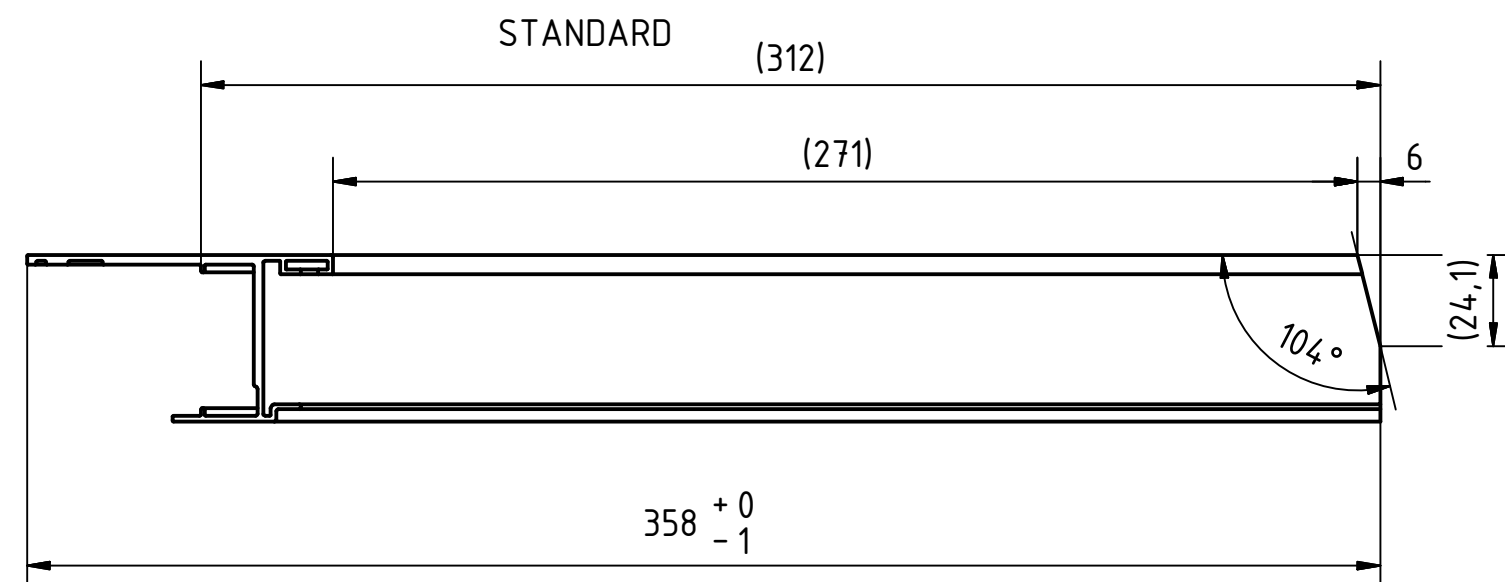
23-01-2013	Changed Dim B (was 491 & 601). Dim. Ø5,1 (was Ø6,5), drill pattern remark (was 10 135 050). Added Dim. 12,5 (removed dim. 14); Dim. 4,5 (removed dim. 6), hole Ø5,1.	JiGa
05-06-2012	Dim 10 changed was 14	GiKu
05-05-2011	RFP was F10.	JoFr
REVISION DATE	DESCRIPTION	NAME

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 middle panels		DRAWING NO.	58 148 120		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

	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	Dim.A	Dim.B ⚠	Dim.C	Dim.D	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016					
STANDARD	500	ALS2-500KE00R/L	ALS2-500KE01R/L	ALS2-500KE02R/L	448	491	-	-	0,448 kg
HINGE HOLES	500	ALS2-500KE10R/L	ALS2-500KE11R/L	ALS2-500KE12R/L	448	491	314	-	0,414 kg
LOCK HOLE	500	ALS2-500KE20R/L	ALS2-500KE21R/L	ALS2-500KE22R/L	448	491	-	202	0,445 kg
STANDARD	610	ALS2-610KE00R/L	ALS2-610KE01R/L	ALS2-610KE02R/L	558	601	-	-	0,547 kg
HINGE HOLES	610	ALS2-610KE10R/L	ALS2-610KE11R/L	ALS2-610KE12R/L	558	601	424	-	0,505 kg
LOCK HOLE	610	ALS2-610KE20R/L	ALS2-610KE21R/L	ALS2-610KE22R/L	558	601	-	257	0,543 kg



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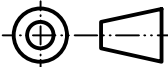


Alternative for cutting holes:
use profile 1033LSB, drwaing 58 148 800.

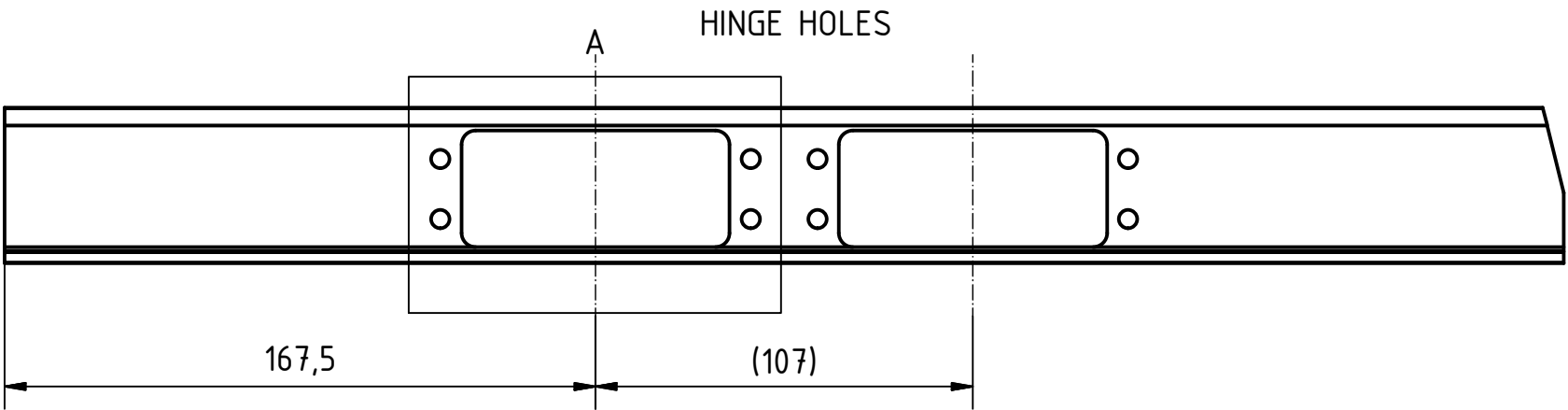
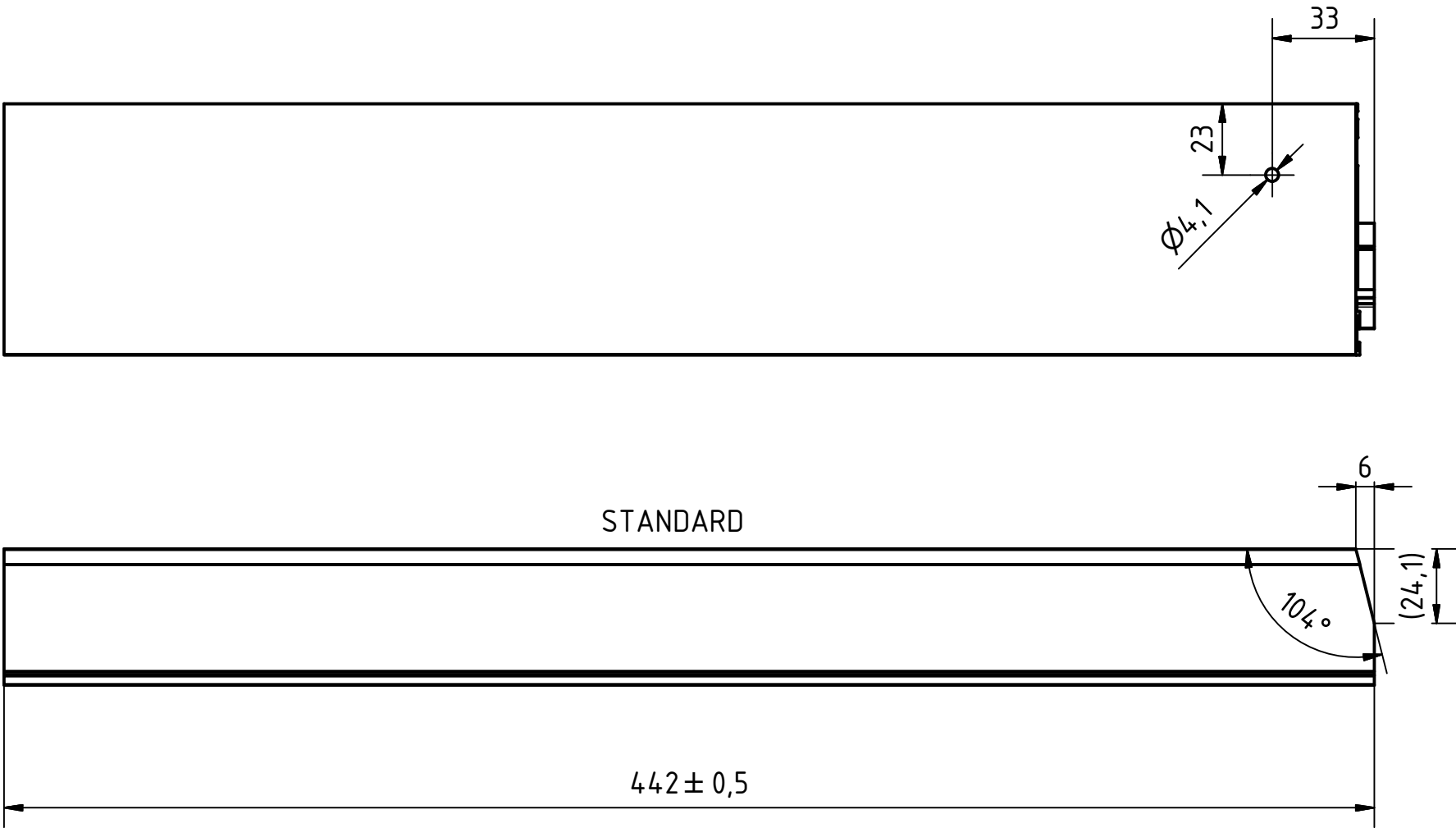
! Changed / Added

Left and right version, right handed version drawn

	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

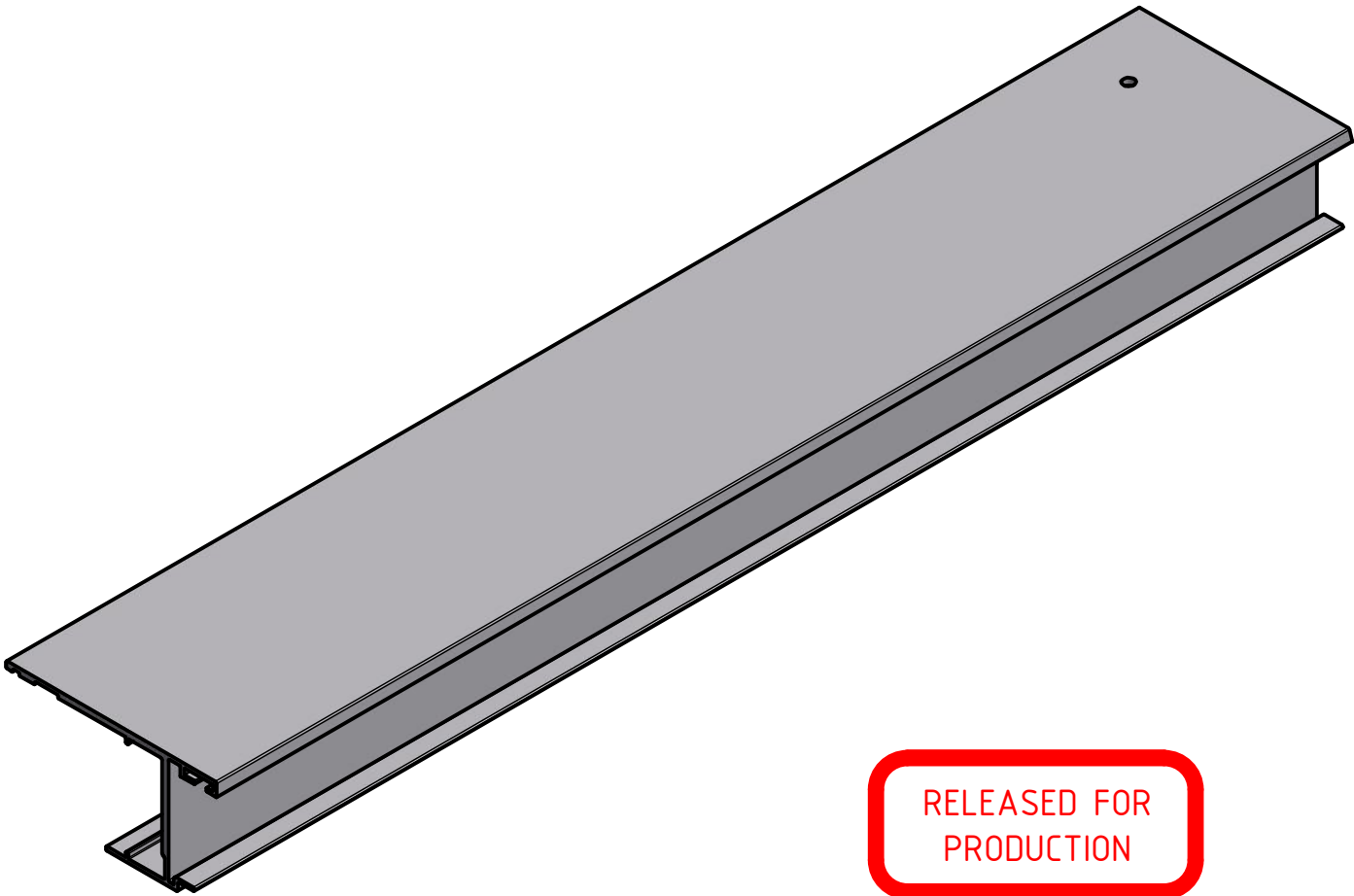
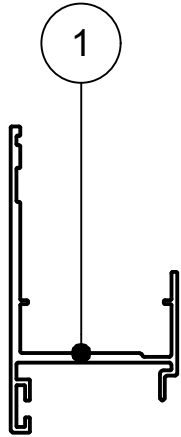
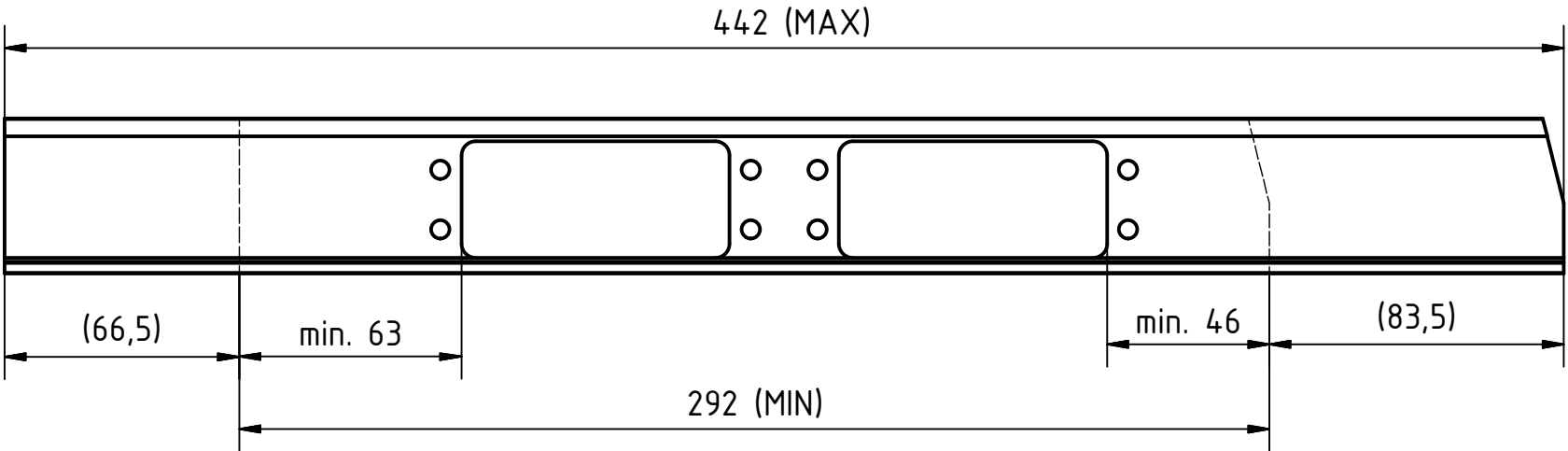
	1	1	Alu for Door Casing	1033LS...	58 148 000	21-02-2011	-
ITEM	QTY	DESCRIPTION		ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS
11-6-2014			Dim. 167,5 was 169,5, 83,5 was 81,5.			MaKr	
23-01-2013			Changed Dim. 358 (was 355,5), Dim. Ø5,1 (was Ø6,5); Dim. 284,7 (was 295,4); Dim. 169,5 (was 157,5); remark about drill pattern. Added Dim. 12,5 (removed 14); Dim. 4,5 (removedwas 6)			JiGa	
05-05-2011			RFP was F10.			JoFr	
REVISION DATE			DESCRIPTION			NAME	
SCALE:		GENERAL ROUGHNESS:		PROJ.:	UNIT:	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK	
1:2		3.2			mm		
MATERIAL				Aluminium 6063 T6			
TREATMENT				...			
DESCRIPTION		Safe Step sheet top panels		DRAWING NO.		58 148 130	
ARTICLE CODE		...		REVISION DATE		11-06-2014	
NAME		JoFr		 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	

	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016	
STANDARD	500/610	ALS3-300KE00R/L	ALS3-300KE01R/L	ALS3-300KE02R/L	0,277 kg
HINGE HOLES	500/610	ALS3-300KE10R/L	ALS3-300KE11R/L	ALS3-300KE12R/L	0,243 kg
LOCK HOLE	500/610	ALS3-300KE20R/L	ALS3-300KE21R/L	ALS3-300KE22R/L	0,273 kg



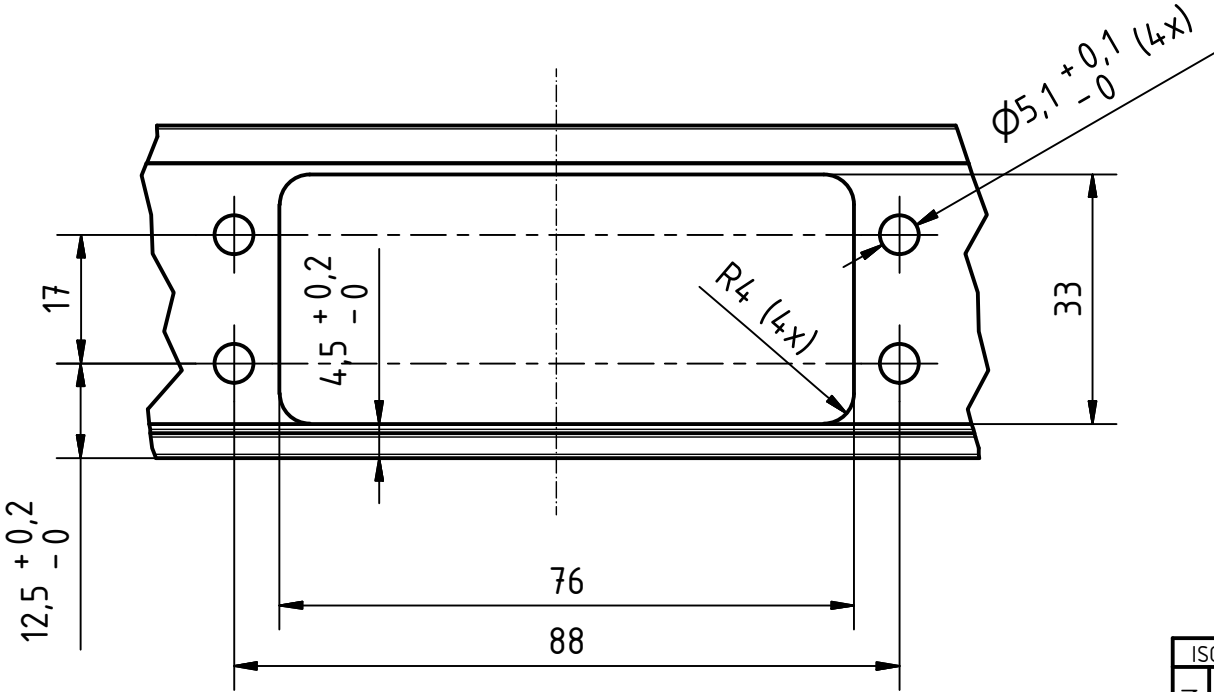
	PANEL HEIGHT	ART.CODE	ART.CODE	WEIGHT
TREATMENT		BRUT	ANODISED	
STANDARD	500/610	ALS3-LSBKE00R/L	ALS3-LSBKE01R/L	0,404 kg
HINGE HOLES	500/610	ALS3-LSBKE10R/L	ALS3-LSBKE11R/L	0,371 kg

SAW INSTRUCTION BASED ON MANUAL:
SECTION HEIGHT-103



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A (1 : 1)

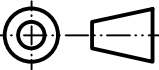


Alternative for cutting holes:
use profile 1033LSB, drwaing 58 148 800.

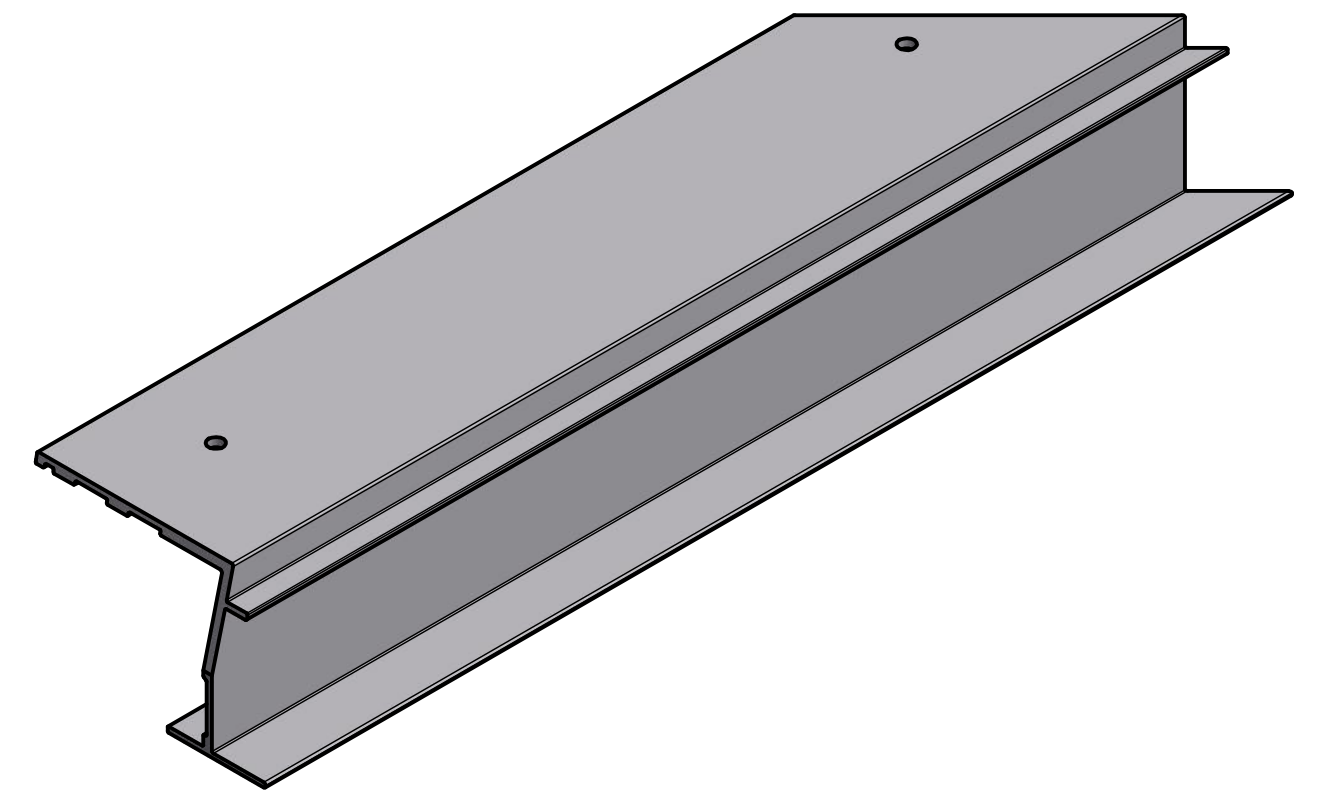
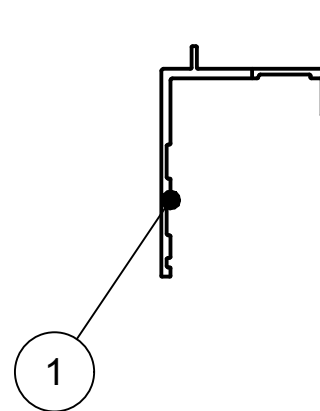
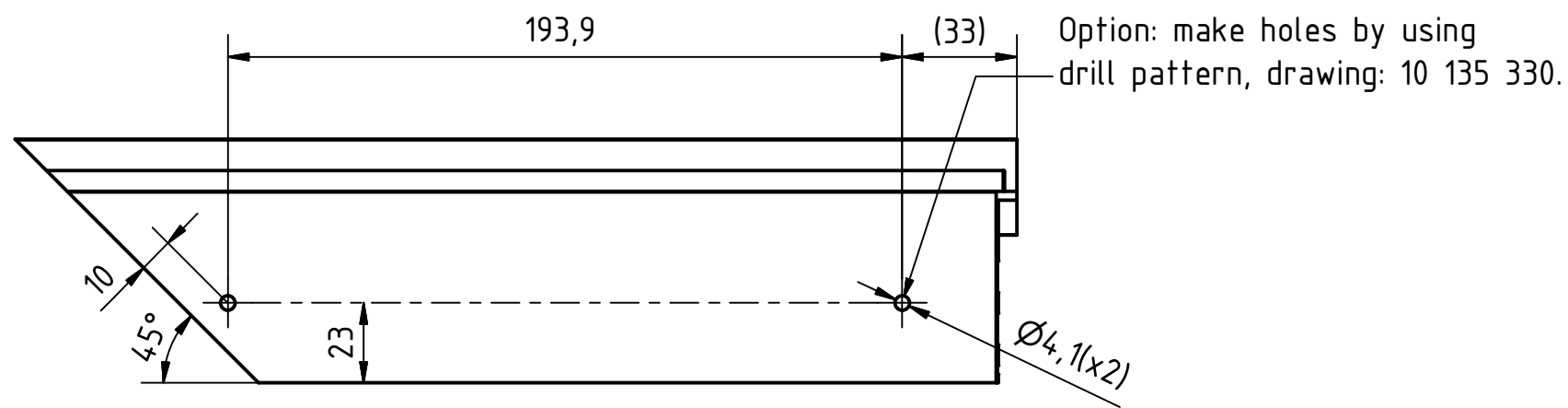
ISO 2768m	TOLERANCE
0.5-3	±0.1
>3-6	±0.1
>6-30	±0.2
>30-120	±0.3
>120-400	±0.5
>400-1000	±0.8
>1000-2000	±1.2
>2000-4000	±2

Left and right version, right handed version drawn

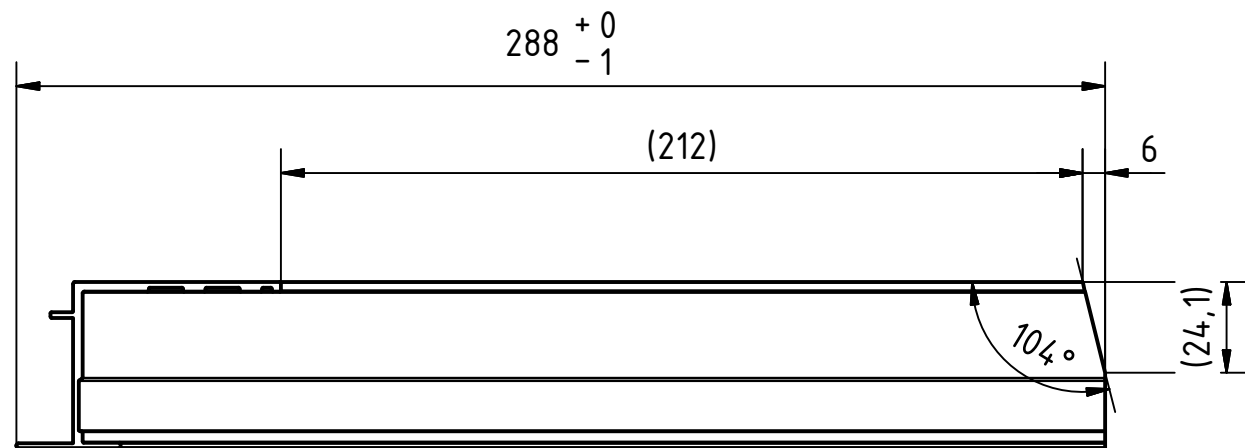
1	1	Alu for Door Casing	1033LS...	58 148 000	21-02-2011	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

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: Top section with 1033PLS			DRAWING NO.	58 148 810		FORM.:
ARTICLE CODE	...			REVISION DATE	23-01-2013		A2
NAME	JoFr	flexiforce innovations for overhead doors				WEIGHT	- kg/m
DATE	11-2-2013					VOLUME	- mm³
NETT WEIGHT	N/A					AREA	- mm²

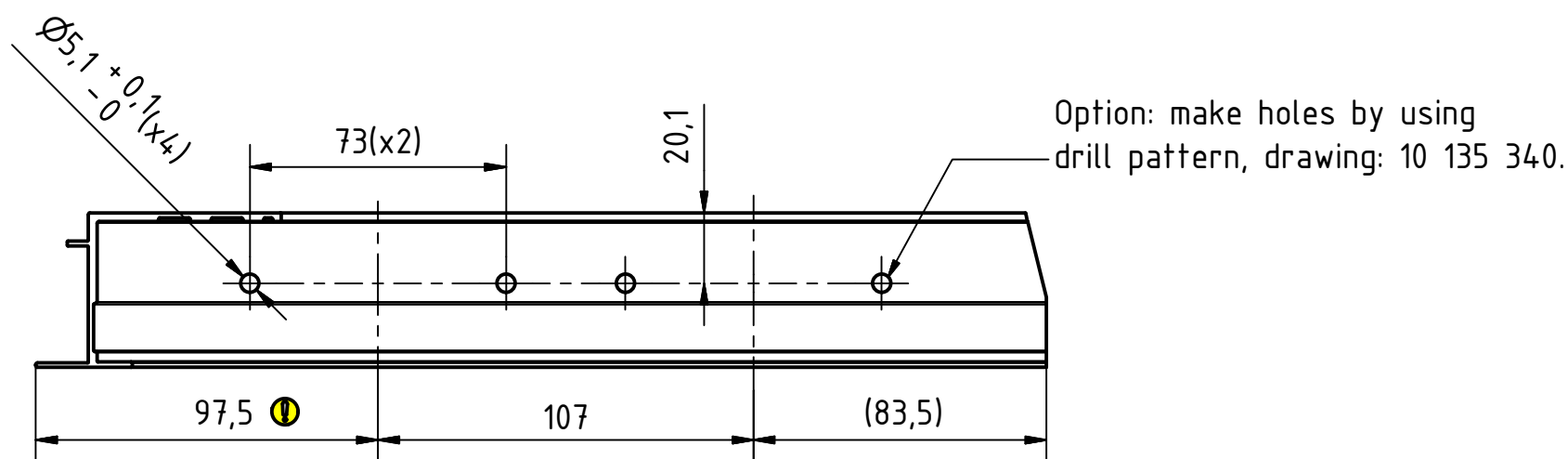
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authority from the proprietors.



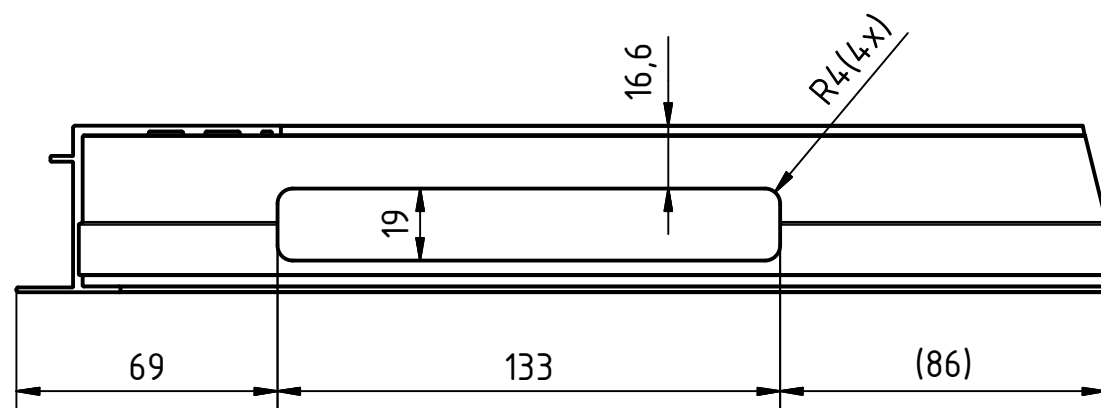
STANDARD



HINGE HOLES



LOCK HOLE



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⚠ Changed dimensions

Left and right version, right handed version drawn

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

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. 97,5 was 99,5.	MaKr
23-01-2013	Changed Dim. Ø5,1 (was Ø6,5); Dim. 97,5 (was 88), Dim. 193,9 (was 192,4). Updated drill pattern remarks.	JiGa
05-05-2011	RFP was F10.	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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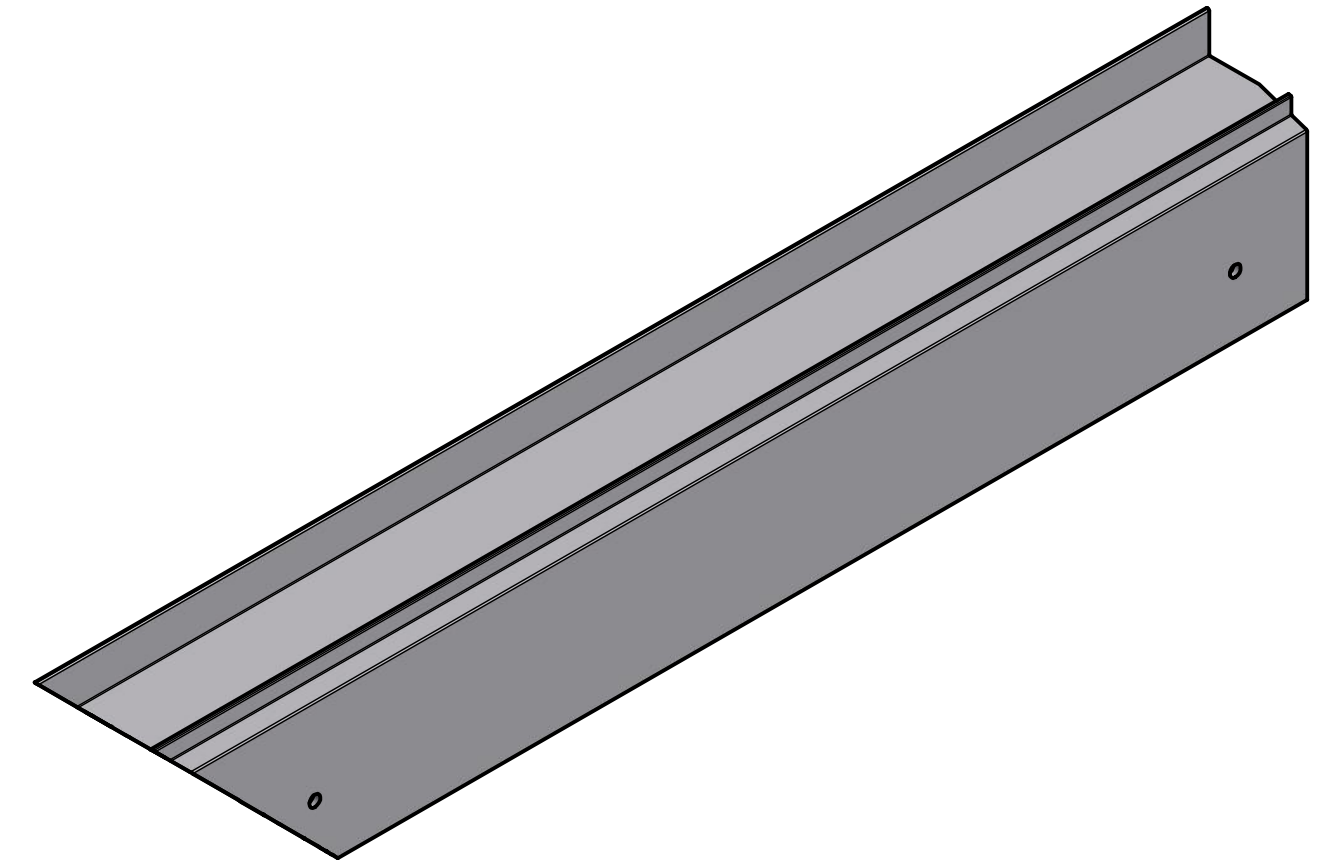
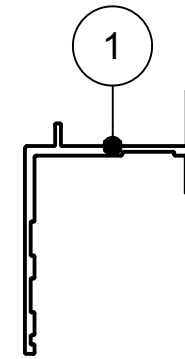
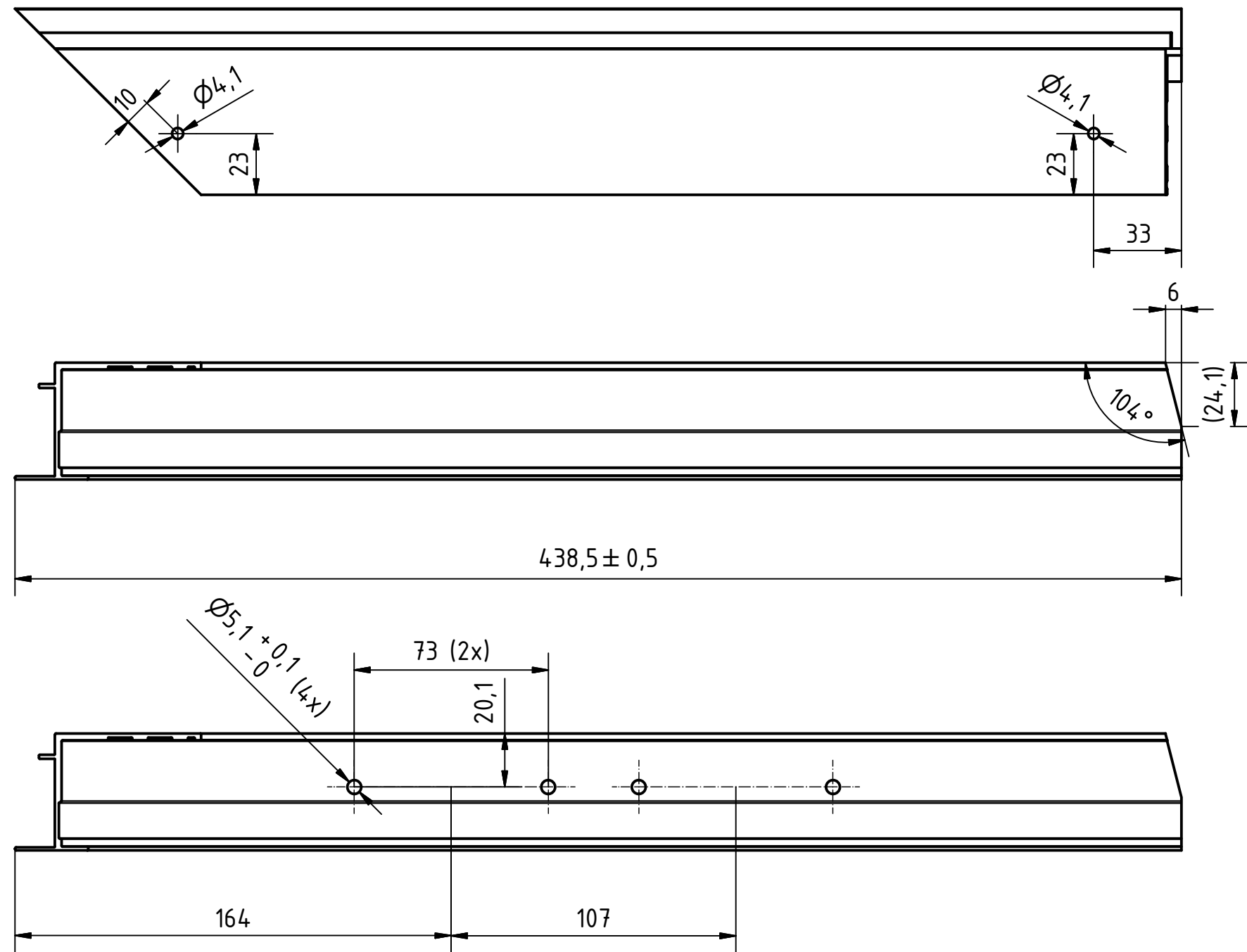
TREATMENT	...				
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DESCRIPTION	Safe Step door top panels		DRAWING NO.	58 149 130		FORM.: A2
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ARTICLE CODE	...		REVISION DATE	11-06-2014	
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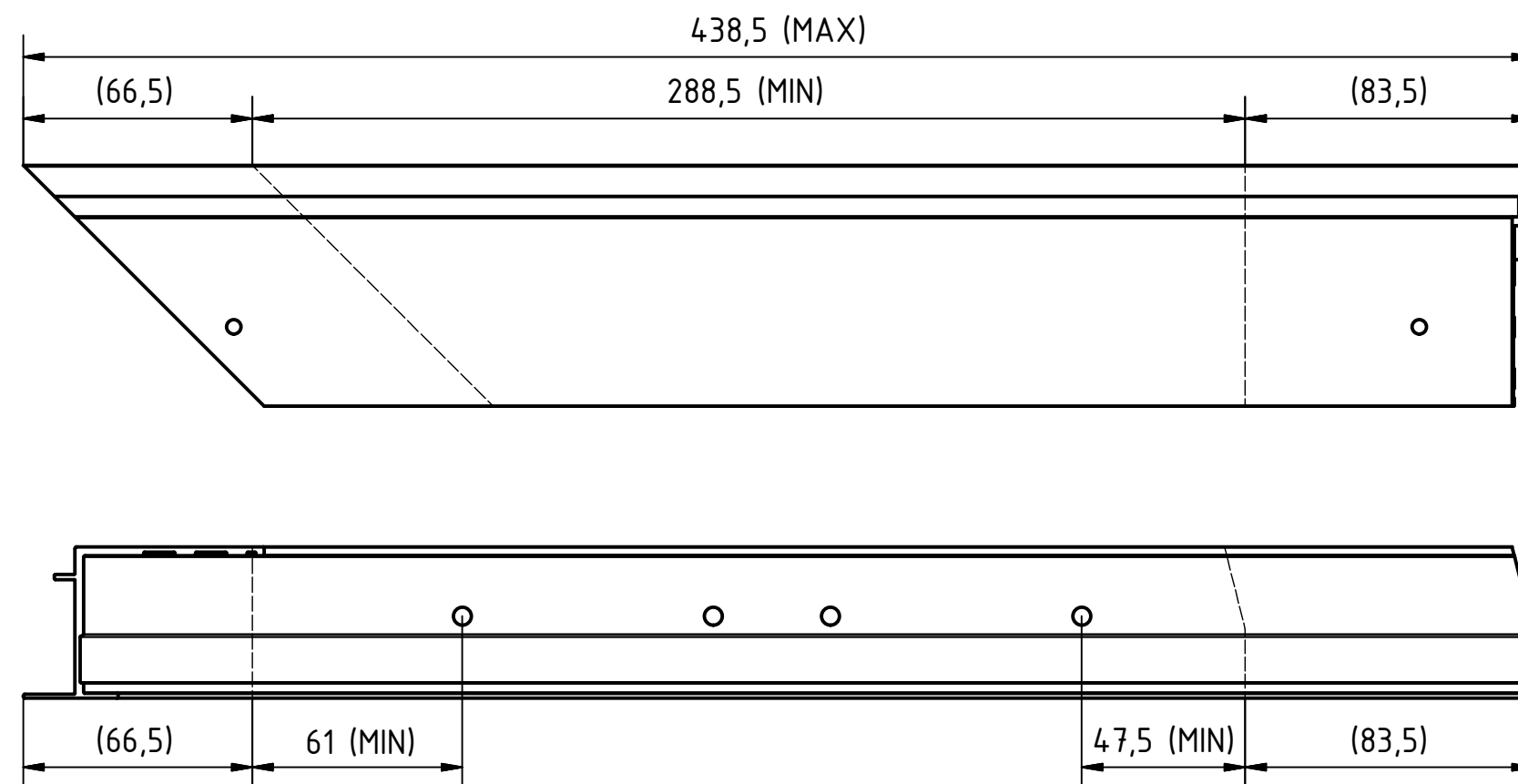
NAME	JoFr	flexiforce FF	This drawing is property of FlexiForce, and contains confidential information. All rights strictly reserved. Reproduction, use for production purposes, issue to third parties, in any form whatever, is not permitted without written authority from the proprietors.	WEIGHT	- kg/m
DATE	11-11-2010			VOLUME	- mm³
NETT WEIGHT	... kg			AREA	- mm²

	PANEL HEIGHT	ART.CODE	ART.CODE	ART.CODE	WEIGHT
TREATMENT		BRUT	ANODISED	WHITE RAL9016	
STANDARD	500/610	ALD3-300KE00R/L	ALD3-300KE01R/L	ALD3-300KE02R/L	0,17 kg
HINGE HOLES	500/610	ALD3-300KE10R/L	ALD3-300KE11R/L	ALD3-300KE12R/L	0,169 kg
LOCK HOLE	500/610	ALD3-300KE20R/L	ALD3-300KE21R/L	ALD3-300KE22R/L	0,156 kg



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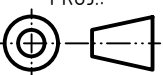
SAW INSTRUCTION BASED ON MANUAL:
SECTION HEIGHT-106,5



	PANEL HEIGHT	ART.CODE	ART.CODE	WEIGHT
TREATMENT		BRUT	ANODISED	
STANDARD	500/610	ALD3-LSBKE00R/L	ALD3-LSBKE01R/L	0,296 kg
HINGE HOLES	500/610	ALD3-LSBKE10R/L	ALD3-LSBKE11R/L	0,295 kg

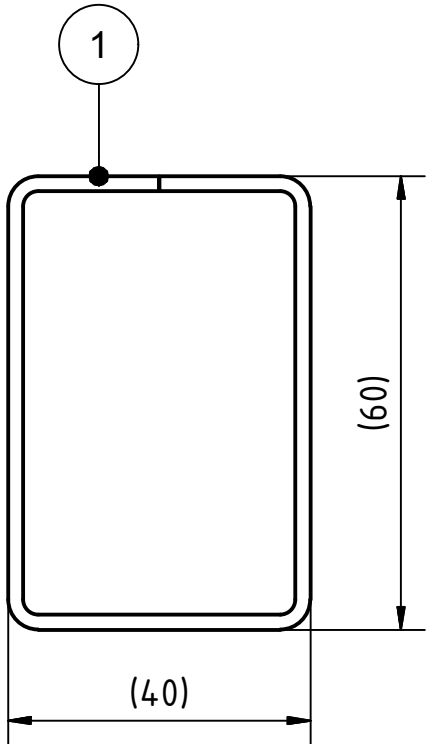
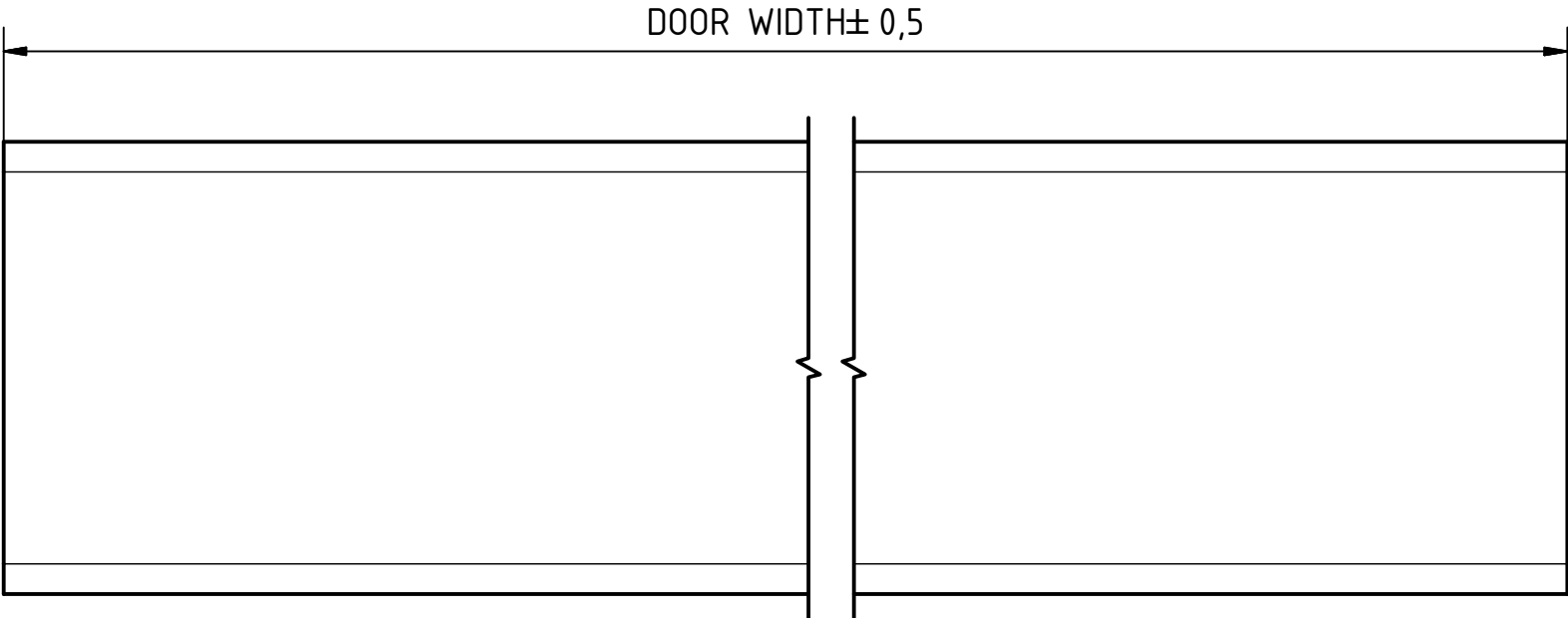
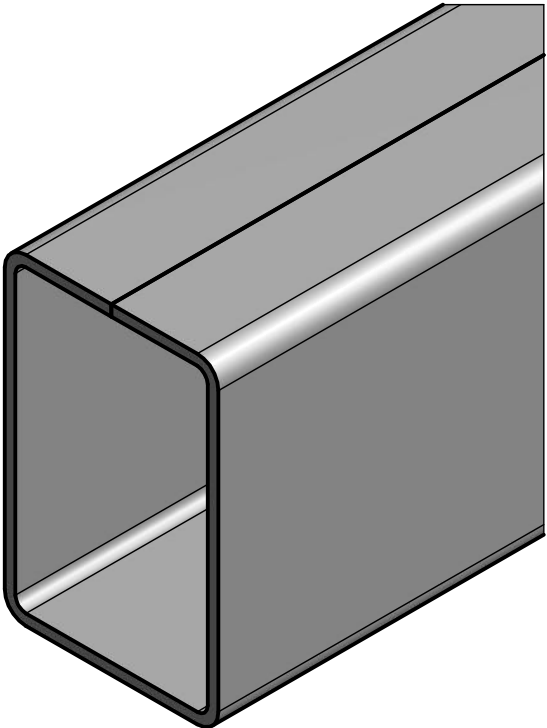
Left and right version, right handed version drawn

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

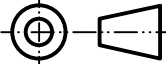
REVISION DATE		DESCRIPTION			NAME	
SCALE: 1:2	GENERAL ROUGHNESS: 3.2	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-mK		
MATERIAL		Aluminium 6063 T6				
TREATMENT		see table				
DESCRIPTION	Safe Step door: Top section with 1033PS		DRAWING NO.	58 149 810		FORM.: A2
ARTICLE CODE	..		REVISION DATE	23-01-2013		
NAME	JoFr	 innovations for overhead doors			WEIGHT	- kg/m
DATE	11-2-2013				VOLUME	- mm ³
NETT WEIGHT	N/A				AREA	- mm ²

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

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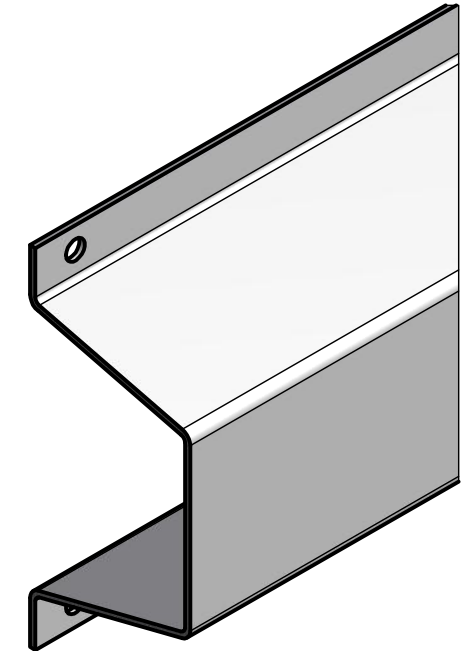
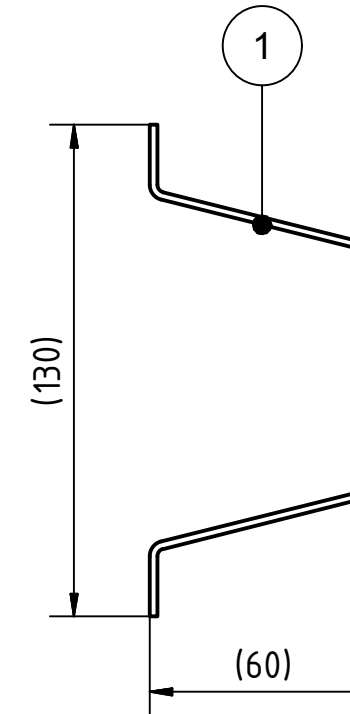
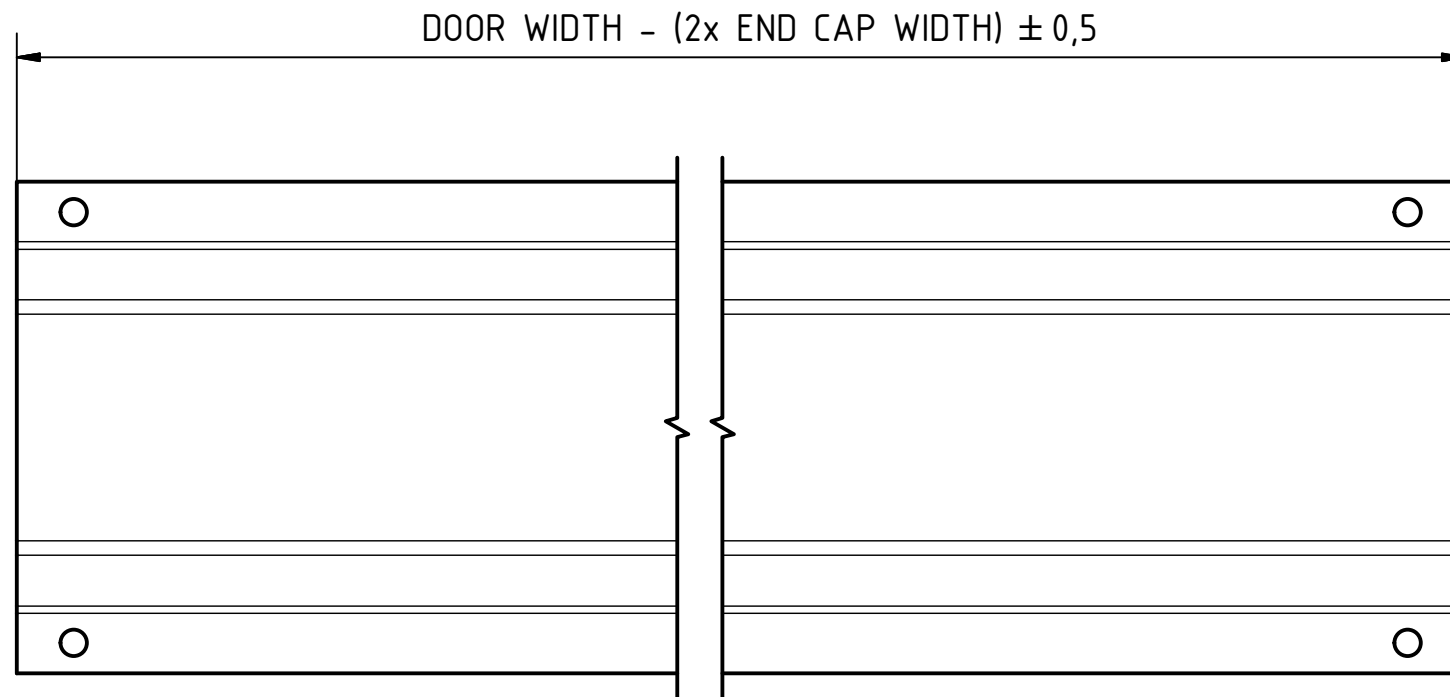


1	1	Box beam	60K40...	55 107 000	11-04-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

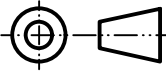
REVISION DATE		DESCRIPTION		NAME	
SCALE: 1:1	GENERAL ROUGHNESS: 3.2 ✓	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.	
MATERIAL		S235JRG2/Werkstoffnummer 1.0038			
TREATMENT		-			
DESCRIPTION	Box beam		DRAWING NO.	55 107 101	
ARTICLE CODE	60K40-...		REVISION DATE	23-01-2013	
NAME	MaKr	 innovations for overhead doors		WEIGHT	2,95 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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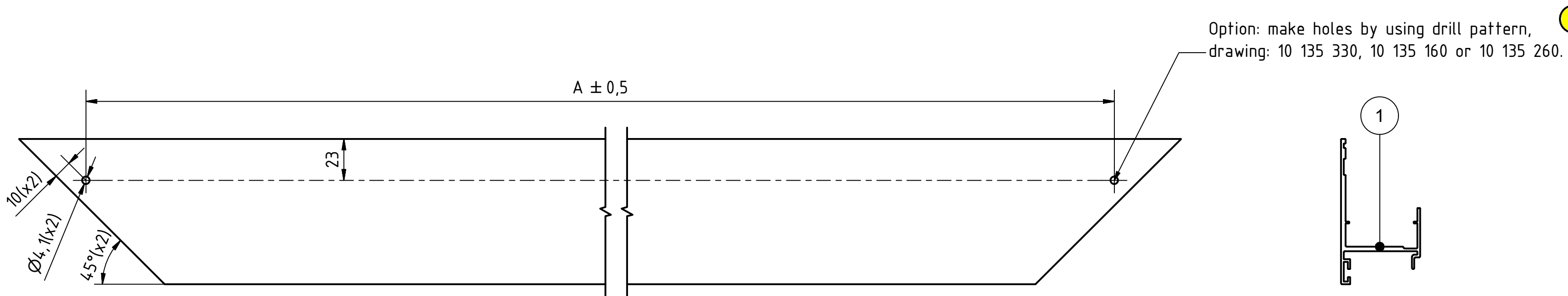


1	1	Passdoor strut	80PS...	56 117 000	10-12-2009	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

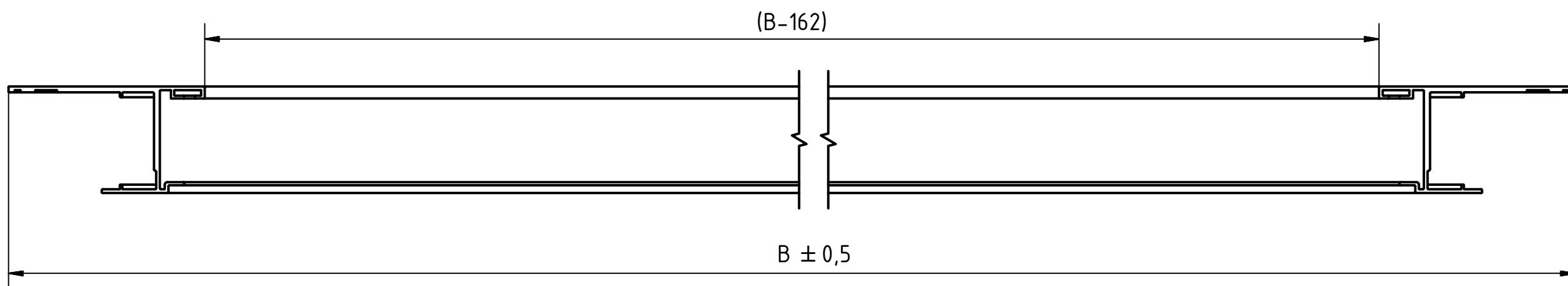
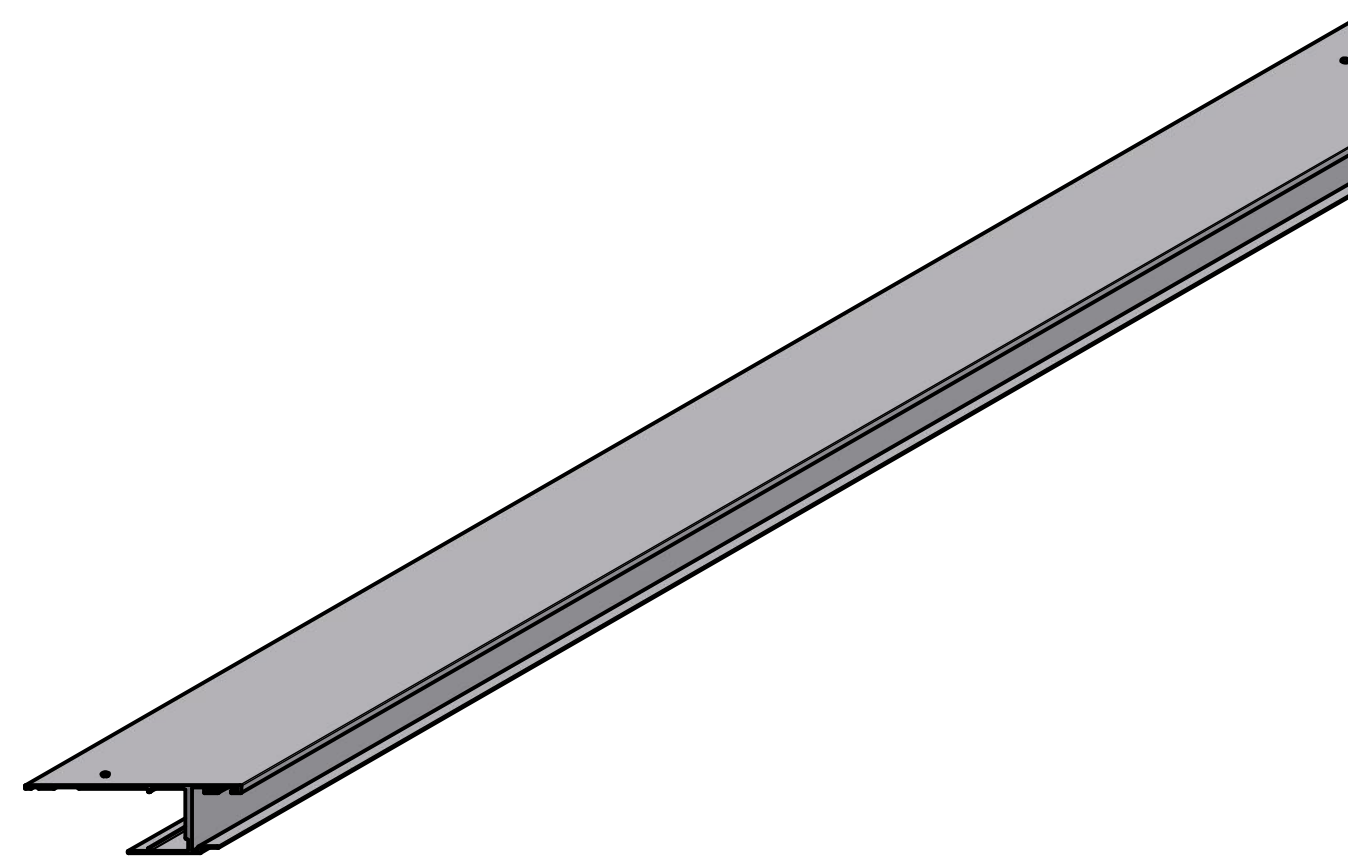
REVISION DATE		DESCRIPTION			NAME	
SCALE: 1:2	GENERAL ROUGHNESS: 3.2✓	PROJ.: 	UNIT: mm	TOLERANCES UNLESS OTHERWISE STATED Acc. TO ISO 2768-cK.		
MATERIAL		DX51D+Z200-M-A-C, RAL 9016				
TREATMENT		-				
DESCRIPTION	Passdoor strut		DRAWING NO.	56 117 101		FORM.: A3
ARTICLE CODE	80PS-...		REVISION DATE	23-01-2013		
NAME	MaKr	 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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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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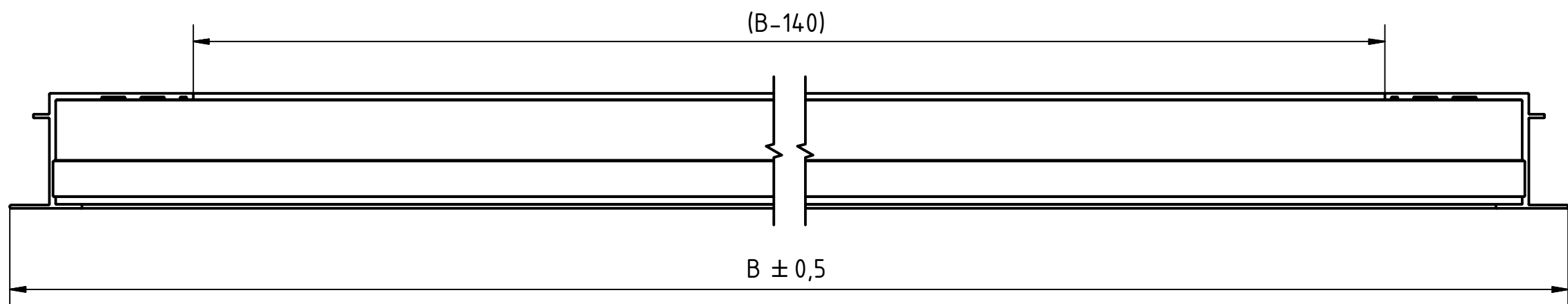
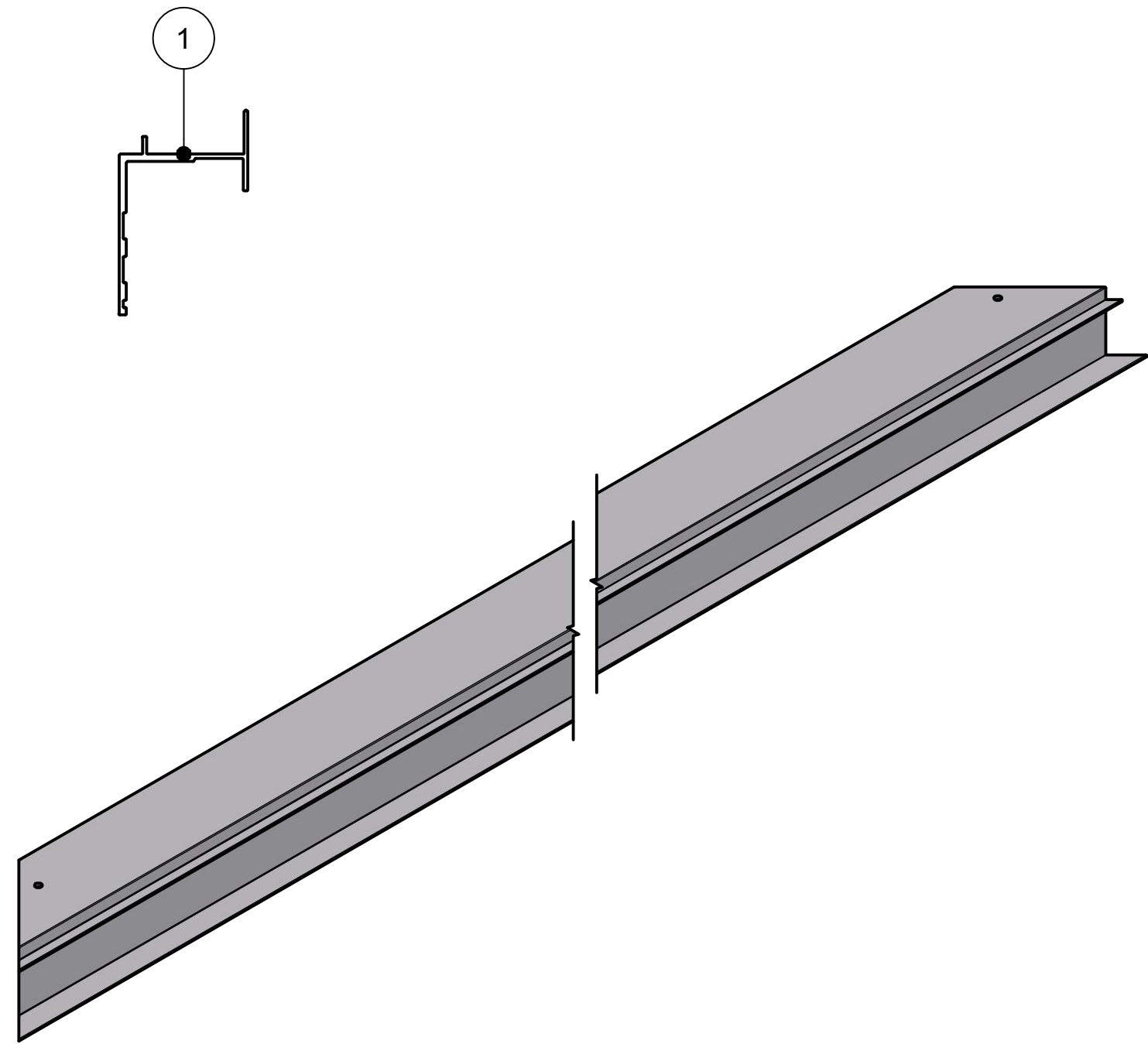
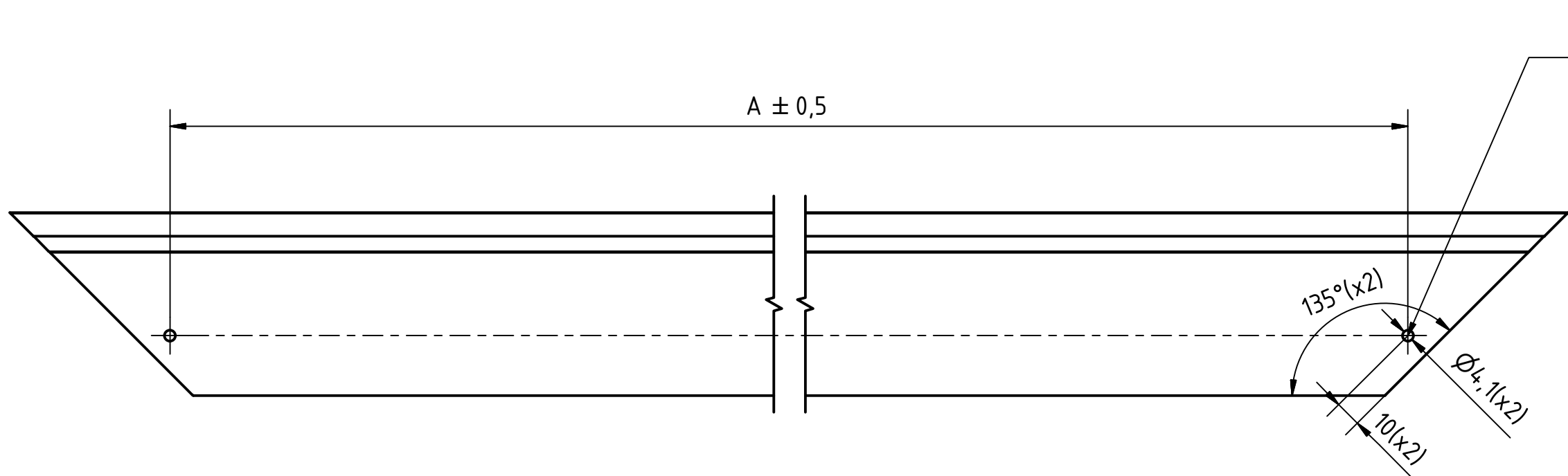
DESCRIPTION	Safe Step sheet horizontal	DRAWING NO.	58 148 140	FORM.: A2
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ARTICLE CODE	...	REVISION DATE	23-01-2013
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NAME	JoFr	flexiforce innovations for overhead doors	WEIGHT	- kg/m
DATE	11-11-2010		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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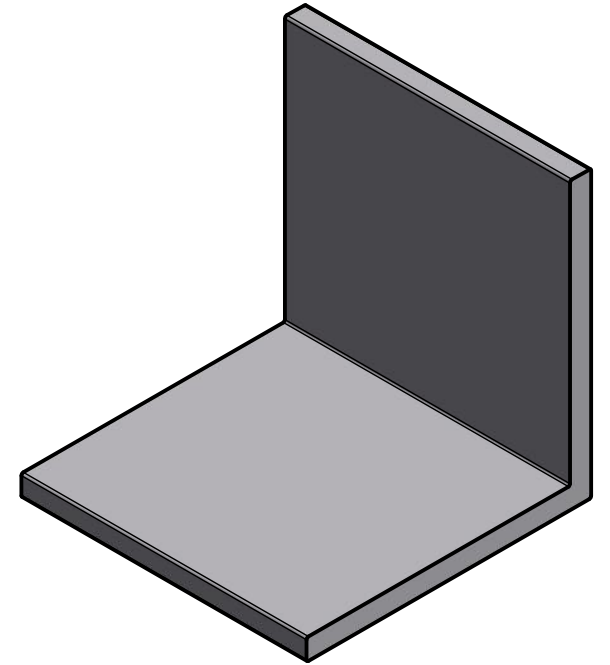
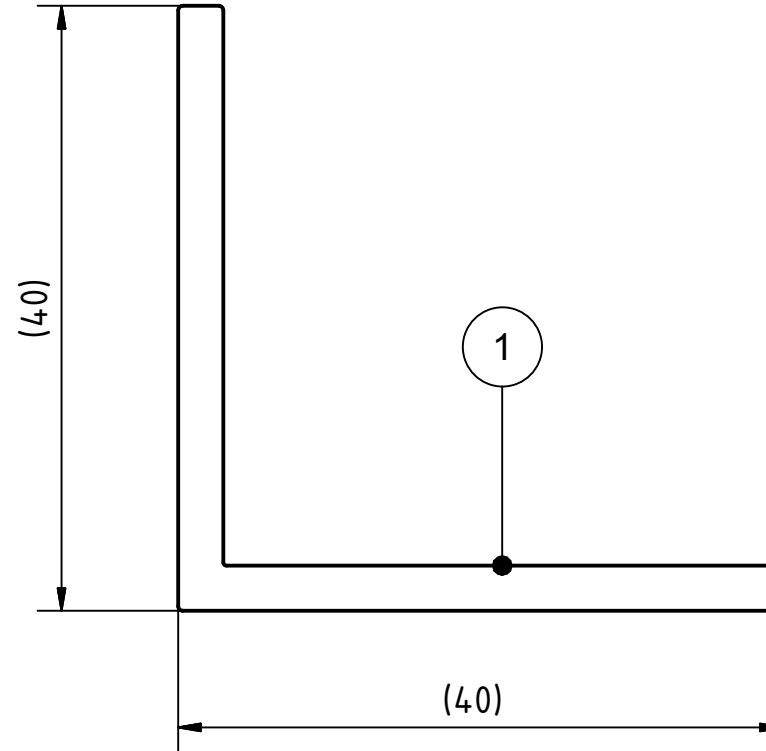
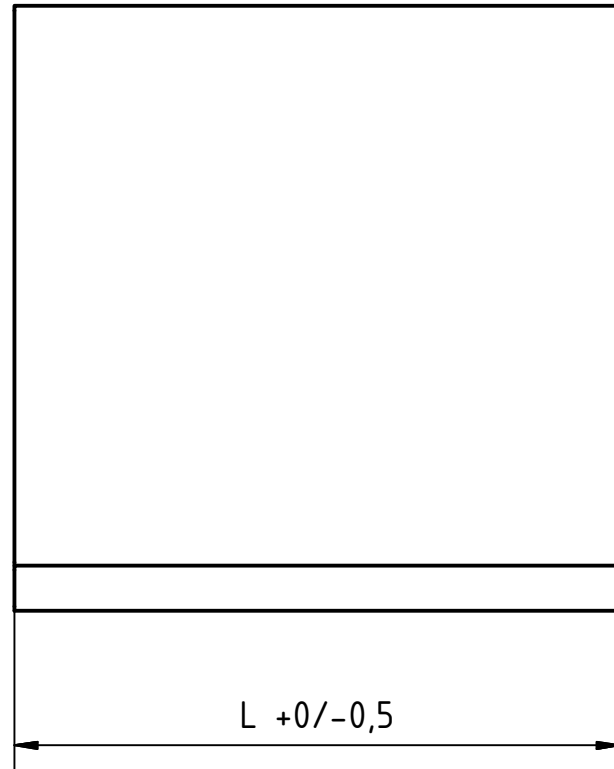
DESCRIPTION	Safe Step door horizontal		DRAWING NO.	58 149 140		FORM.: A2
ARTICLE CODE	...		REVISION DATE	23-01-2013		

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

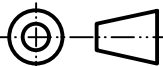
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1	1	Side Pass Door Corner Profile	1033AL3000	58 187 000	14-05-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

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

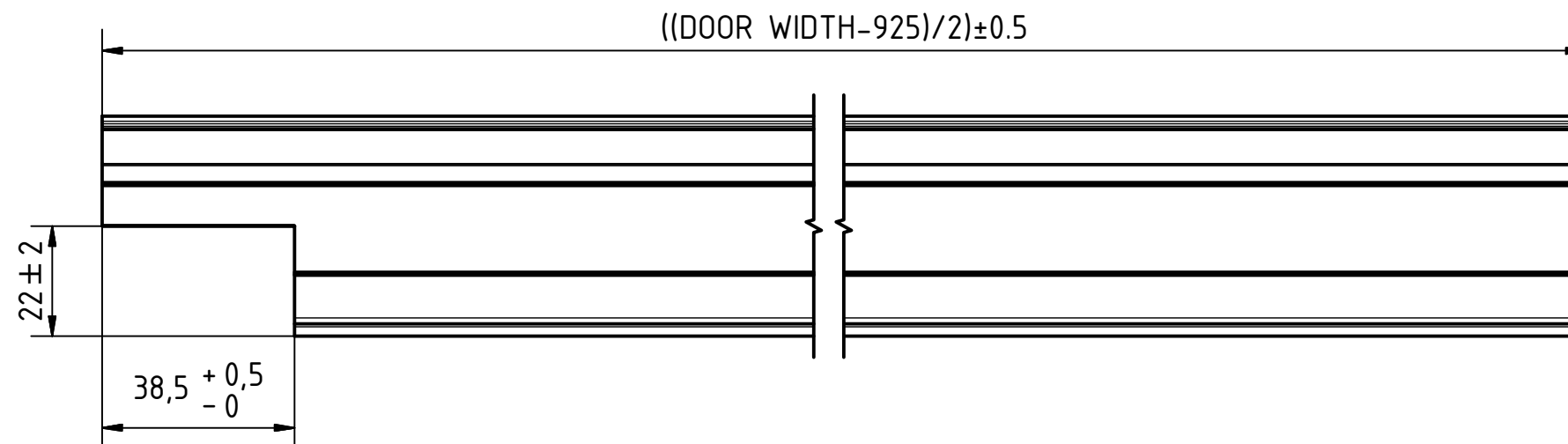
NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	ISO 2768c	TOLERANCE	
	0.5-3	±0.2	
	>3-6	±0.3	
	>6-30	±0.5	
	>30-120	±0.8	
	>120-400	±1.2	
	>400-1000	±2	
	>1000-2000	±3	
	>2000-4000	±4	

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		FORM.:		
ARTICLE CODE		See table		REVISION DATE	23-01-2013		A3		
NAME		JiGa		 innovations for overhead doors		WEIGHT		0,6 kg/m	
DATE		23-1-2013				VOLUME		- mm ³	
NETT WEIGHT		N/A				AREA		- mm ²	

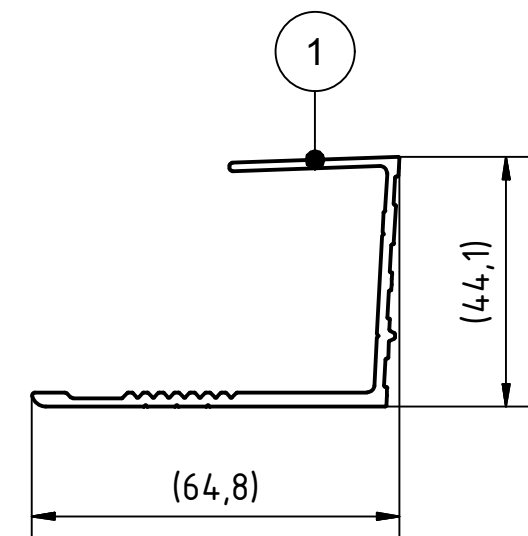
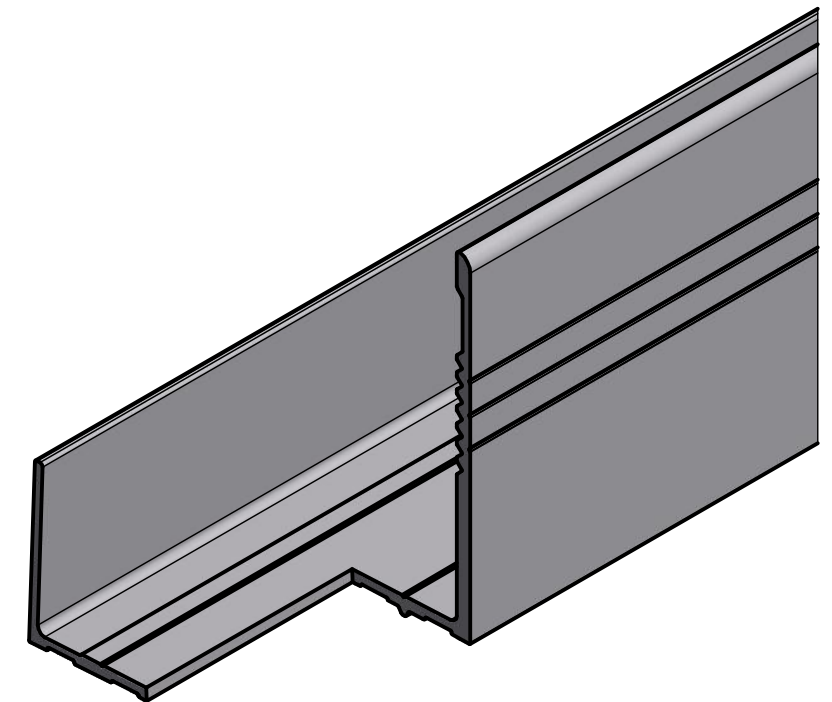
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Note:

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

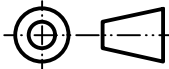


Left and right version, right handed version drawn

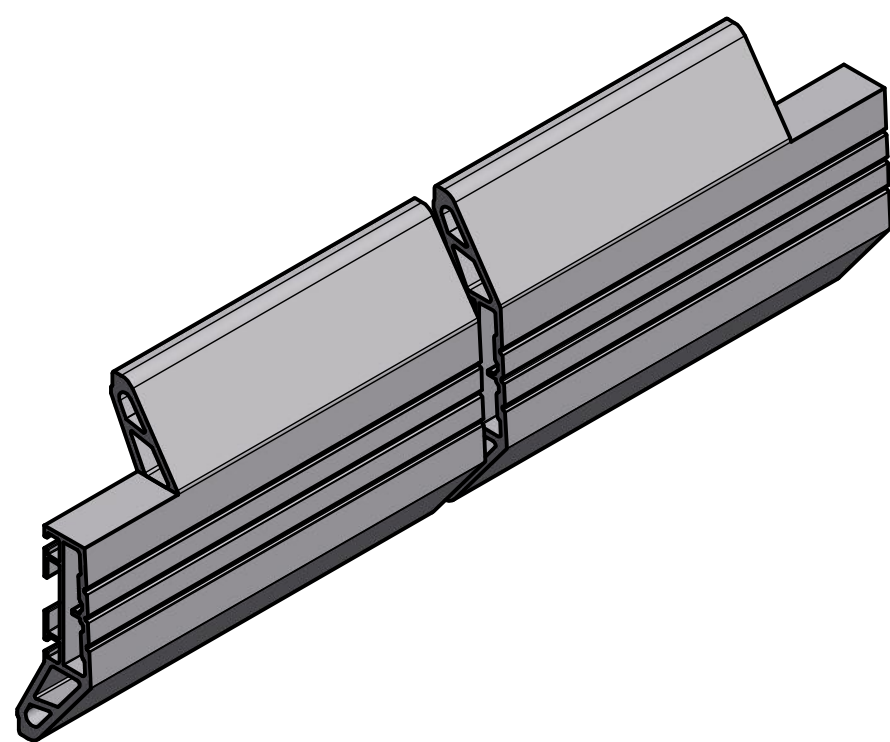
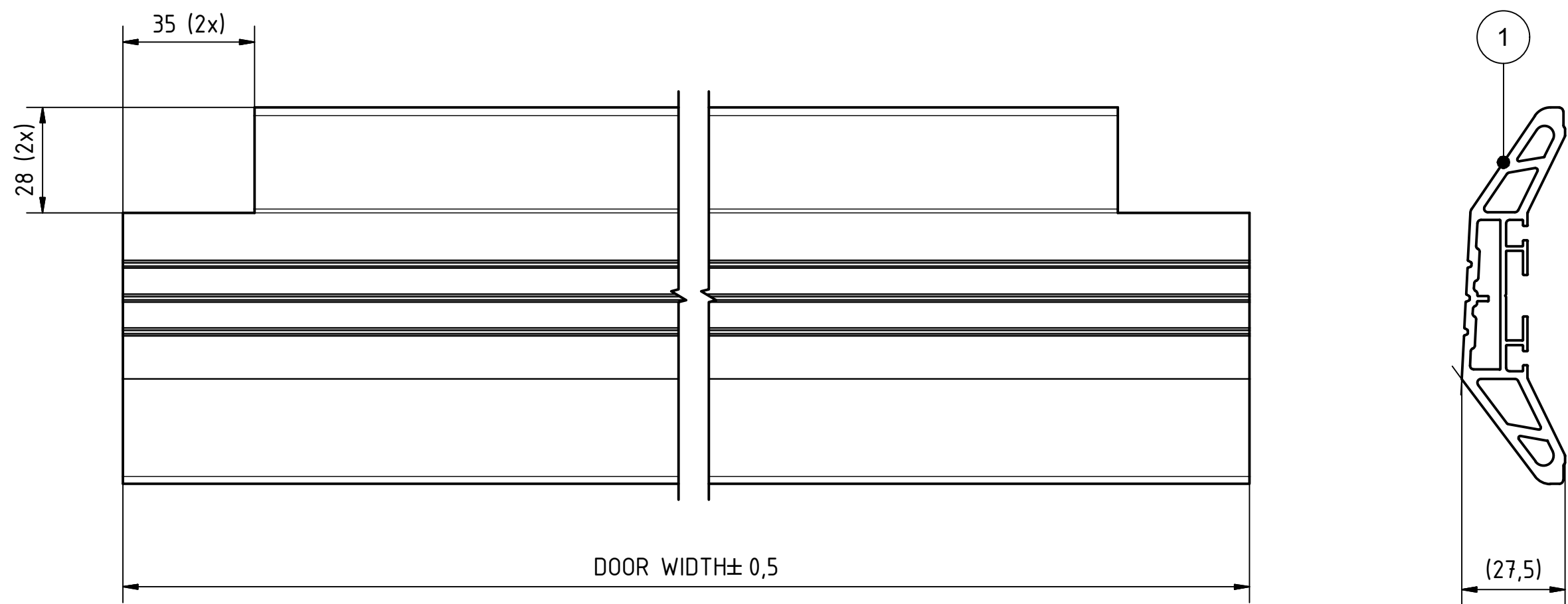


1	1	Upper part profile 40 mm	1041U....	58 194 000	5-3-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

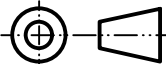
NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	0.5-3	±0.2	
	>3-6	±0.3	
	>6-30	±0.5	
	>30-120	±0.8	
	>120-400	±1.2	
	>400-1000	±2	
	>1000-2000	±3	
	>2000-4000	±4	

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			FORM.: A3	
DATE	23-1-2013				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.	
NETT WEIGHT	N/A					
		WEIGHT	0,7 kg/m			
		VOLUME	- mm ³			
		AREA	- mm ²			

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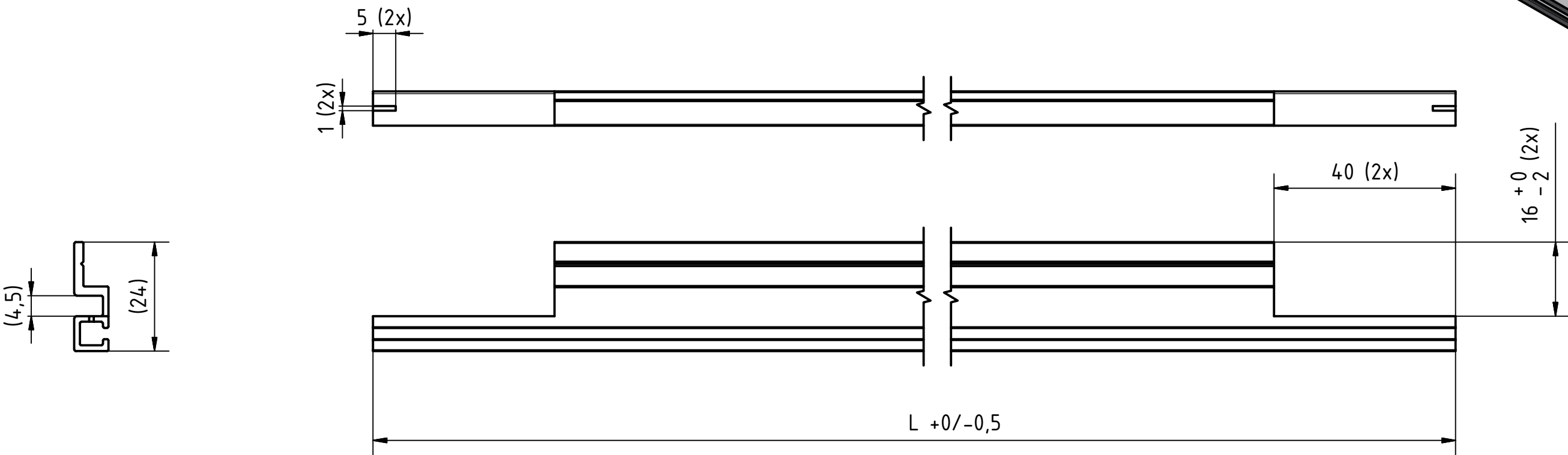
1	1	Low threshold profile	1041LTB	58 195 000	5-3-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

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

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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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

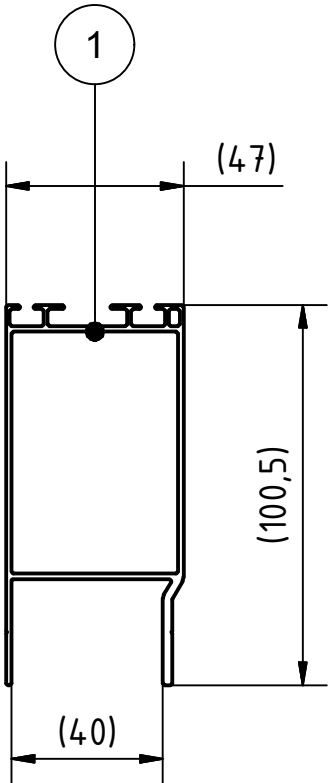
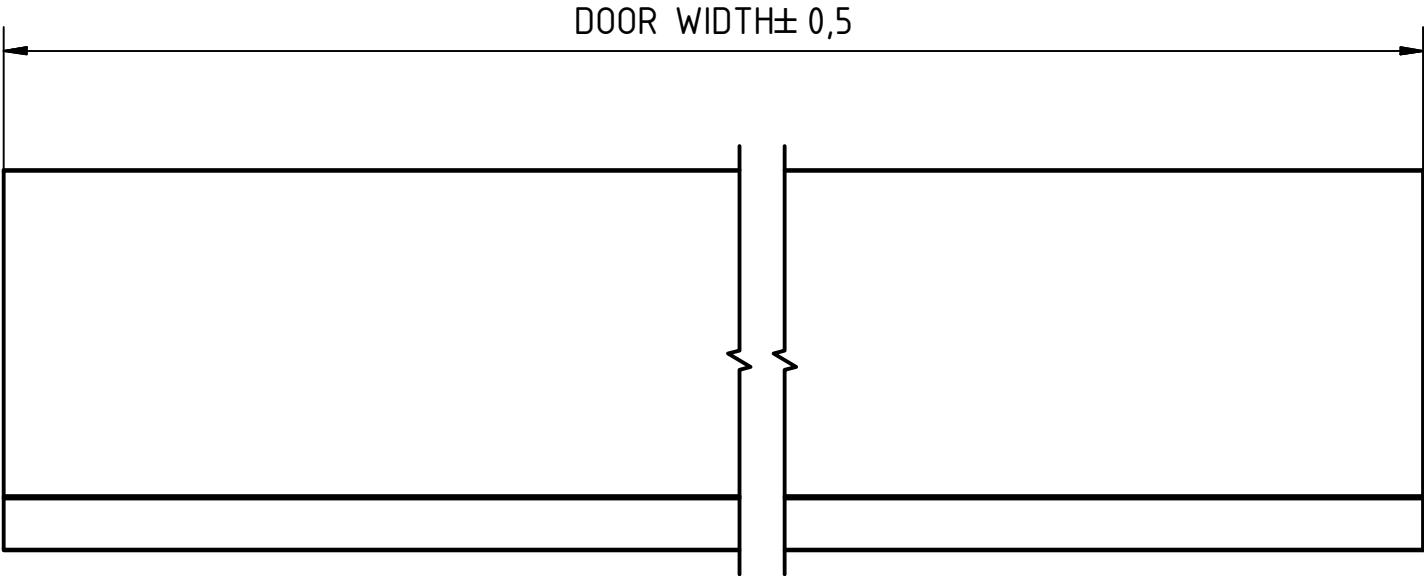
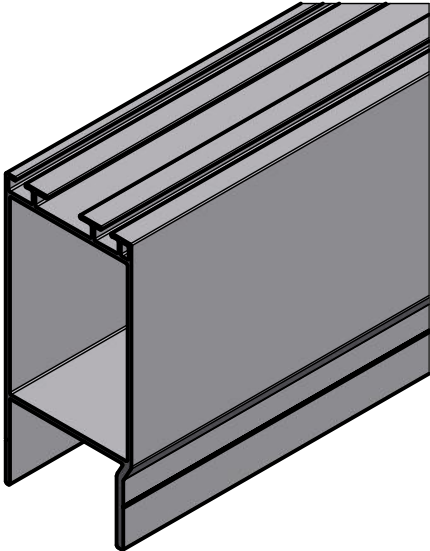
! Changed / Added

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
ARTICLE CODE	1033LBN..-...		REVISION DATE	13-2-2013
NAME	JiGa	flexiforce FF innovations for overhead doors		FORM.: A3
DATE	16-5-2012			WEIGHT - kg/m VOLUME - mm ³ AREA - mm ²
NETT WEIGHT	...			

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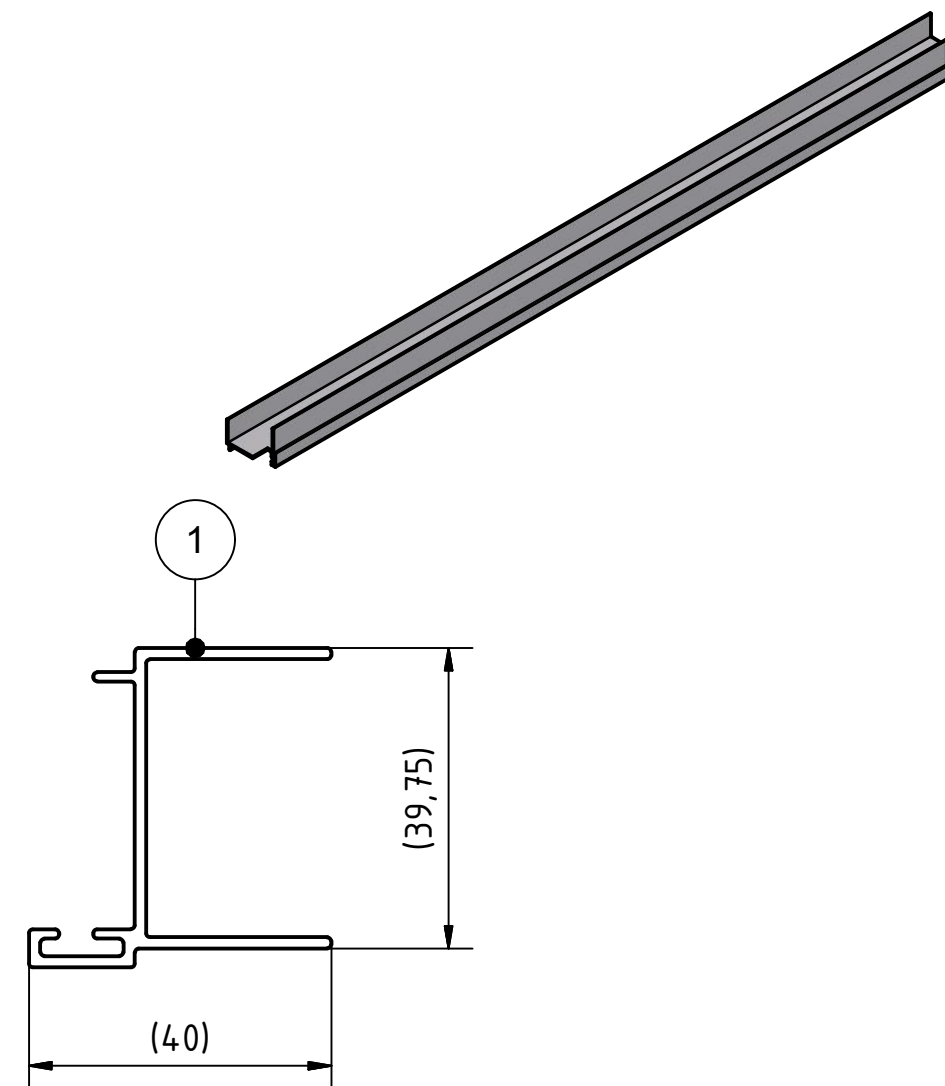
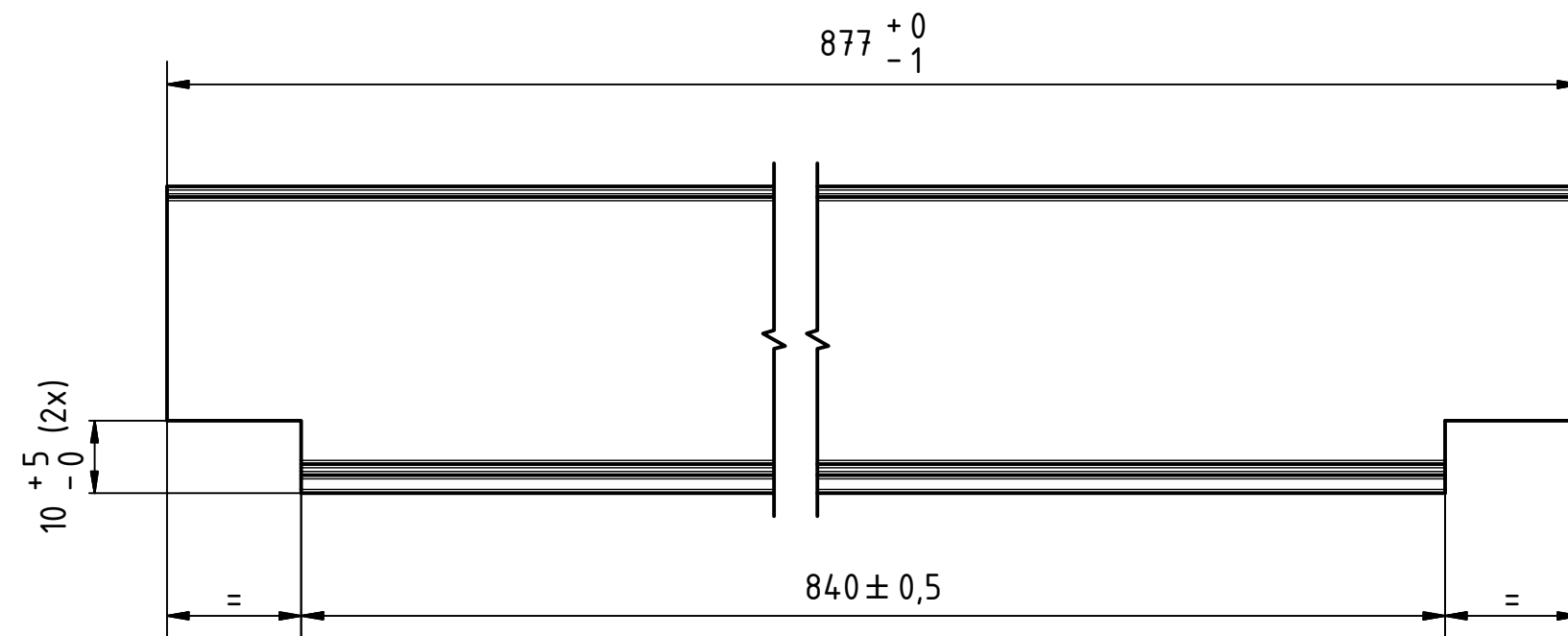
1	1	40mm top profile for internal strut	1033PS....	58 227 001	12-06-2012	-
ITEM	QTY	DESCRIPTION	ARTICLE CODE	DRAWING NO.	REV. DATE	REMARKS

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

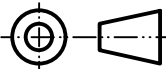
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NOMINAL DIMENSION	ISO 2768c		TOLERANCE
	0.5-3	±0.2	
	>3-6	±0.3	
	>6-30	±0.5	
	>30-120	±0.8	
	>120-400	±1.2	
	>400-1000	±2	
	>1000-2000	±3	
	>2000-4000	±4	

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1	1	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				WEIGHT	0.5 kg/m
DATE	23-1-2013				WOLUME	- 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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