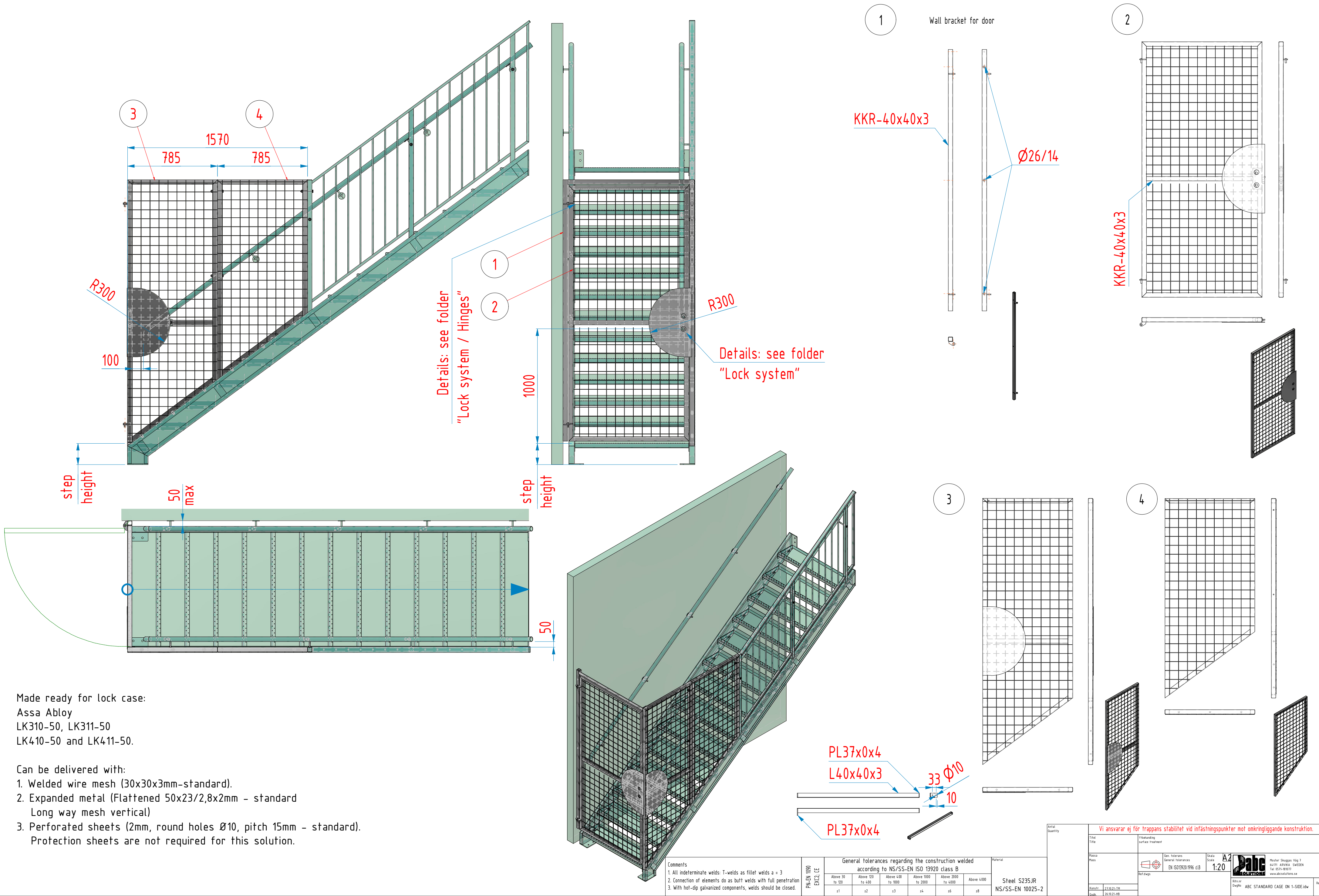


ABC STANDARD CAGE ON 1-SIDE.idw

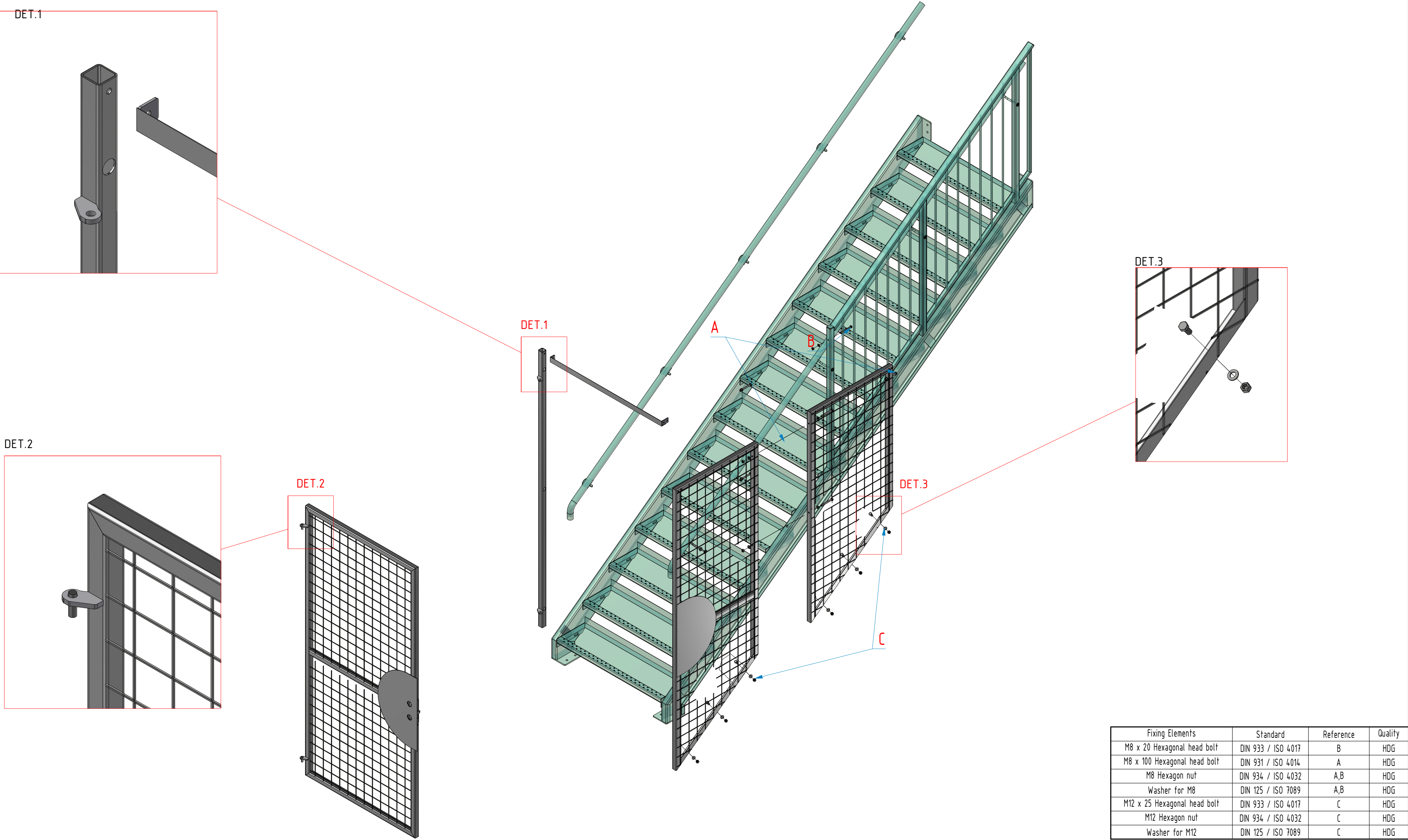


Made ready for lock case:
Assa Abloy
LK310-50, LK311-50
LK410-50 and LK411-50.

Can be delivered with:

1. Welded wire mesh (30x30x3mm-standard).
2. Expanded metal (Flattened 50x23/2,8x2mm - standard Long way mesh vertical)
3. Perforated sheets (2mm, round holes Ø10, pitch 15mm - standard).
Protection sheets are not required for this solution.

ASSEMBLY OF ABC STANDARD CAGE ON 1-SIDE.idw

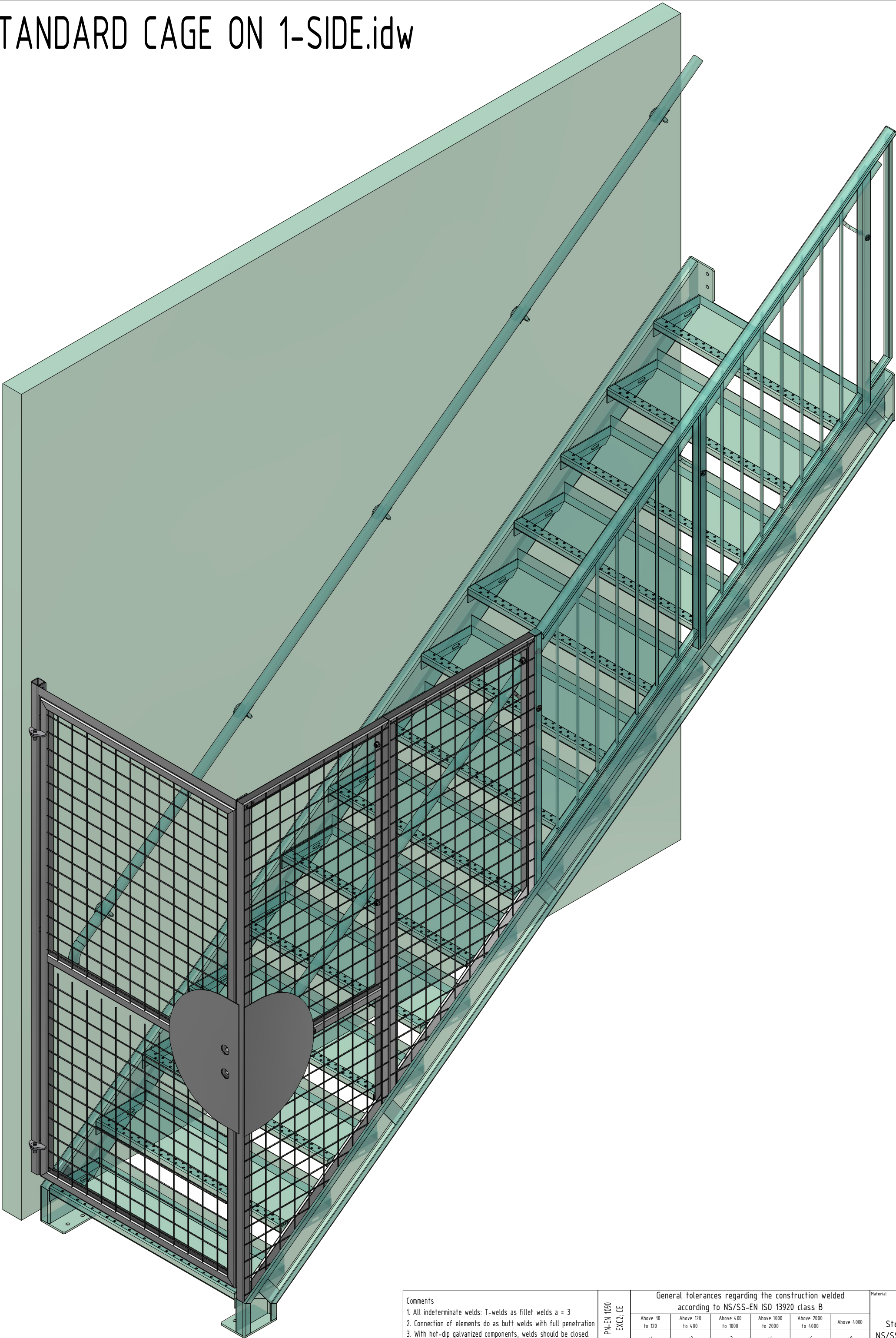


Fixing Elements	Standard	Reference	Quality
M8 x 20 Hexagonal head bolt	DIN 933 / ISO 4017	B	HDG
M8 x 100 Hexagonal head bolt	DIN 931 / ISO 4014	A	HDG
M8 Hexagon nut	DIN 934 / ISO 4032	A,B	HDG
Washer for M8	DIN 125 / ISO 7089	A,B	HDG
M12 x 25 Hexagonal head bolt	DIN 933 / ISO 4017	C	HDG
M12 Hexagon nut	DIN 934 / ISO 4032	C	HDG
Washer for M12	DIN 125 / ISO 7089	C	HDG

Comments 1. All indeterminate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.	EN 10204 EXC2, CE	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Steel S235JR NS/SS-EN 10025-2
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000	
		±1	±2	±3	±4	±6	±8	

Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.			
Author Quantity	Title	Ythandling Surface treatment	
Place Mass	Gen. tolerances General tolerances EN ISO1920:1996 dB	Scale 1:20	A2
Construct Date	23.10.21-TM	Ref.dwg	
abc SOLUTIONS			Master Skuggas Väg 7 64171 Åskrike, SWEDEN Tel: 0511-381011 www.abcsolutions.se
ABC STANDARD CAGE ON 1-SIDE.idw			Rev

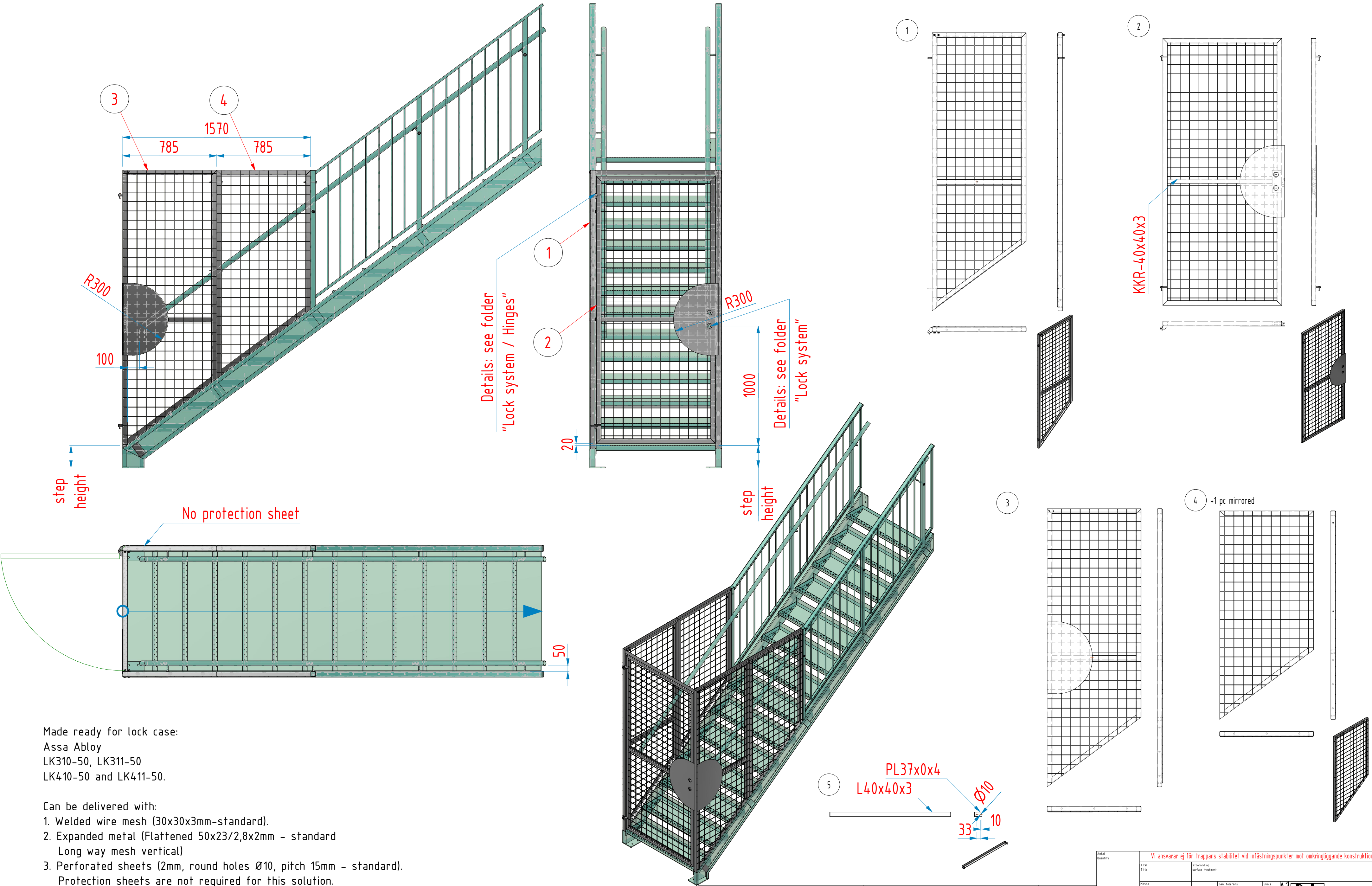
ABC STANDARD CAGE ON 1-SIDE.idw



Comments 1. All indeterminate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.	PA-EN 10025-2 EXCZ CE	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Material Steel S235JR NS/SS-EN 10025-2
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000	
		±1	±2	±3	±4	±6	±8	

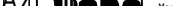
Aantal Quantity		Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.								
Titel Title		Ytterbehandling surface treatment								
Platta Plate				Gen. tolerans General tolerances EN ISO1920:1996 dB		Skala Scale 1:20		A2  Master Skuggas Väg 7 64178 ÅBYRÅ SWEDEN Tel: 0519-380017 www.abcsolutions.se		Rev
Konstr. Design		23.10.21-TM		ABC STANDARD CAGE ON 1-SIDE.idw						

ABC STANDARD CAGE ON 2-SIDES.idw



Made ready for lock case:
Assa Abloy
LK310-50, LK311-50
LK410-50 and LK411-50.

- Can be delivered with:
- 1. Welded wire mesh (30x30x3mm-standard).
 - 2. Expanded metal (Flattened 50x23/2,8x2mm - standard Long way mesh vertical)
 - 3. Perforated sheets (2mm, round holes Ø10, pitch 15mm - standard).
- Protection sheets are not required for this solution.

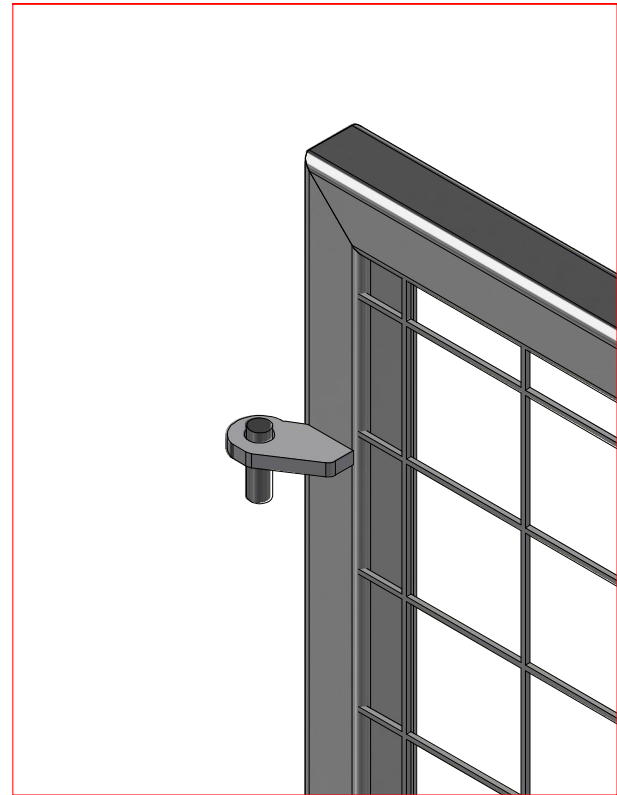
Comments		General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Material		Mass		 General tolerances EN ISO1920:1996 d.B Scale 1:20		 Monter Skuggas Väg 7 64171 Adwä, SWEDEN Tel: 031-3013007 www.abc-solutions.se					
1. All indeterminate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.		PA-EN 1020 EXCZ CE		Above 30 to 120		Above 120 to 400		Above 400 to 1000		Above 1000 to 2000		Above 2000 to 4000		Above 4000		Steel S235JR NS/SS-EN 10025-2		Konsort: 19.11.21-TM Guld: 12.10.21-TM	
				±1		±2		±3		±4		±6		±8					
																		Rikt nr: Dygn: ABC STANDARD CAGE ON 2-SIDES idw	

ASSEMBLY OF ABC STANDARD CAGE ON 2-SIDES.idw

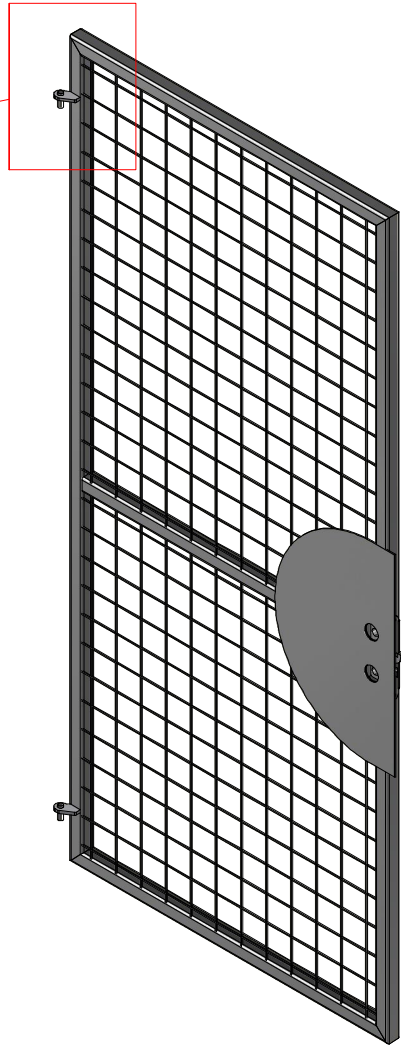
DET.1



DET.2

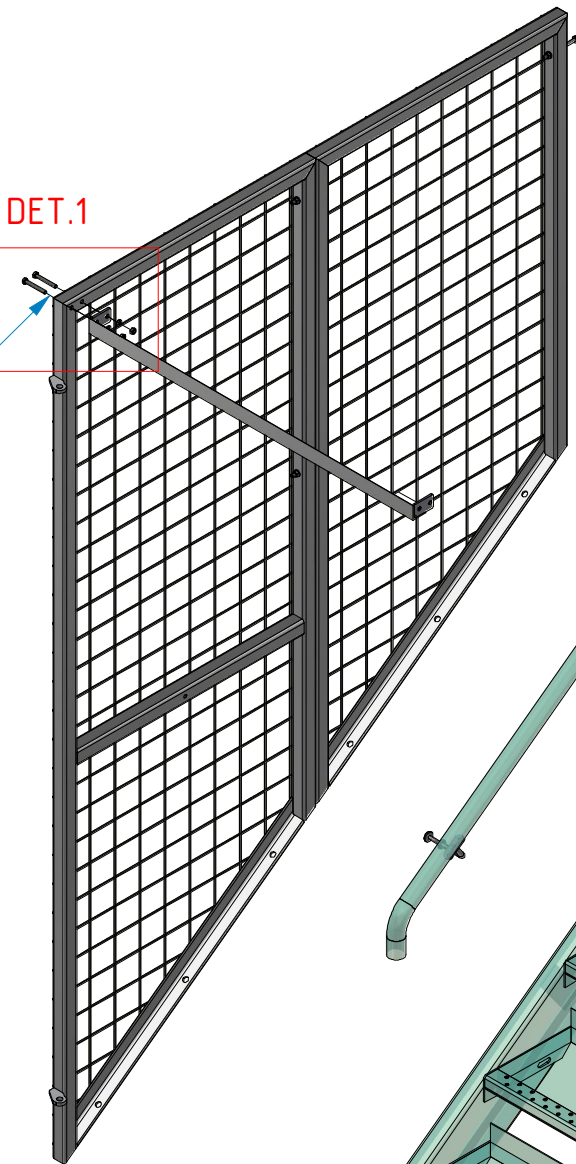


DET.2

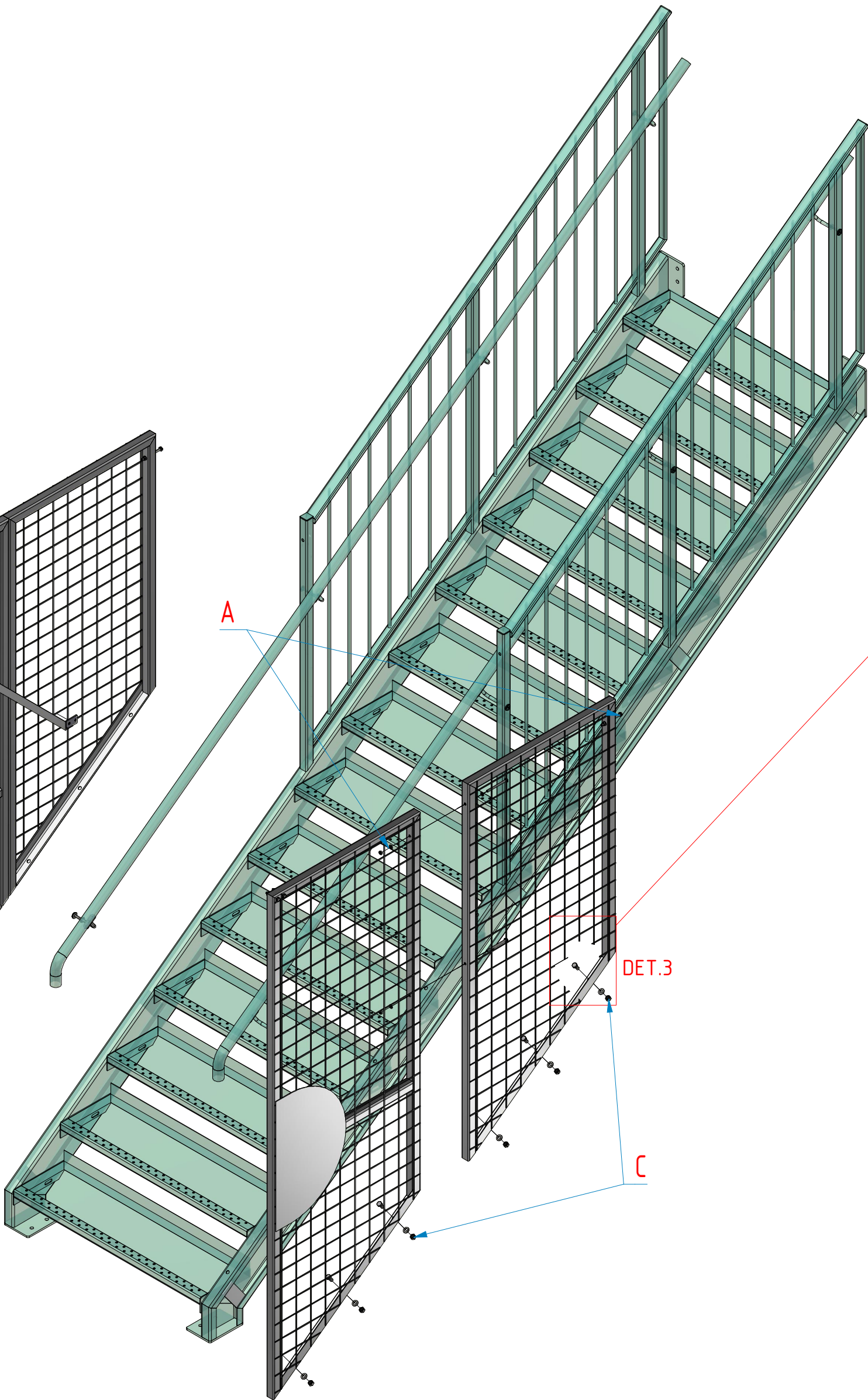


DET.1

B



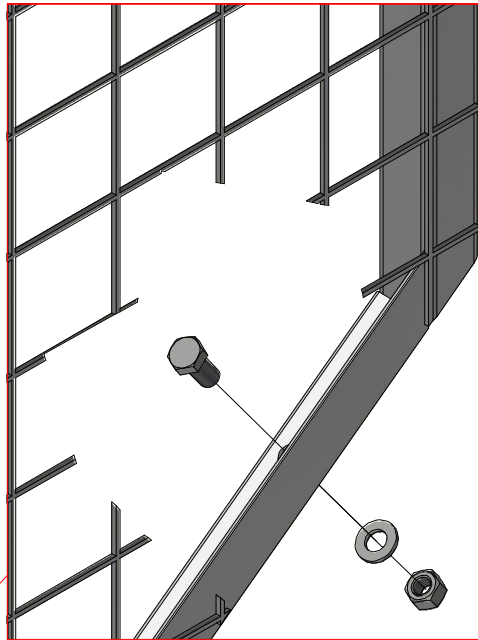
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DET.3

C

DET.3

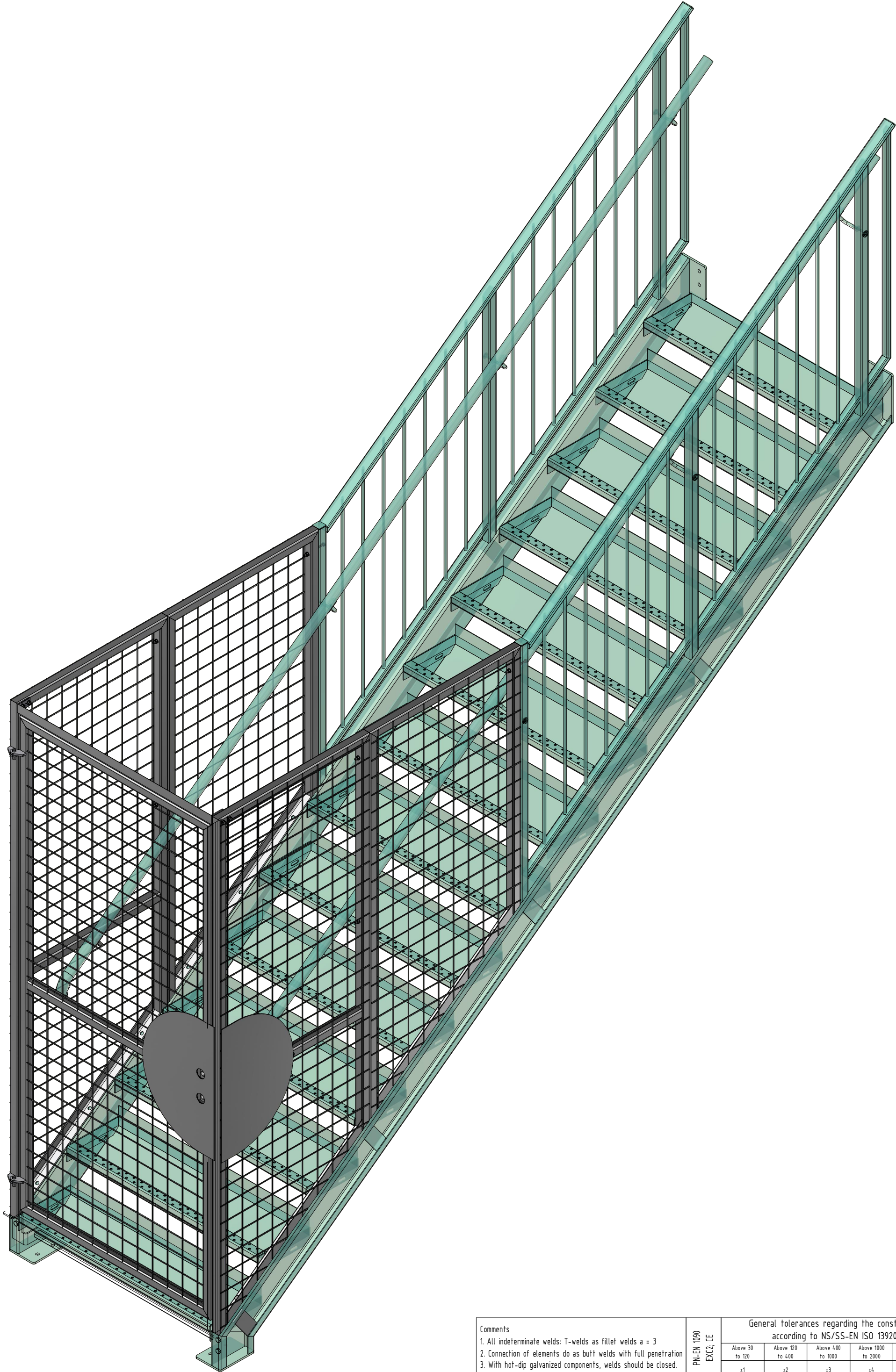


Fixing Elements	Standard	Reference	Quality
M8 x 60 Hexagonal head bolt	DIN 931 / ISO 4014	B	HDG
M8 x 100 Hexagonal head bolt	DIN 931 / ISO 4014	A	HDG
M8 Hexagon nut	DIN 934 / ISO 4032	A,B	HDG
Washer for M8	DIN 125 / ISO 7089	A,B	HDG
M12 x 25 Hexagonal head bolt	DIN 933 / ISO 4017	C	HDG
M12 Hexagon nut	DIN 934 / ISO 4032	C	HDG
Washer for M12	DIN 125 / ISO 7089	C	HDG

Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.			
Author Quantity	Ythandling Surface treatment	Scale 1:20	A2
Drawn Mass	Gen. tolerances General tolerances EN ISO1920:1996 dB	Ref.dwg	Master Skuggas Väg 7 64171 Åkersås, SWEDEN Tel: 0511-381011 www.abcstair.com
Construct Date	20111211.TM		Rev

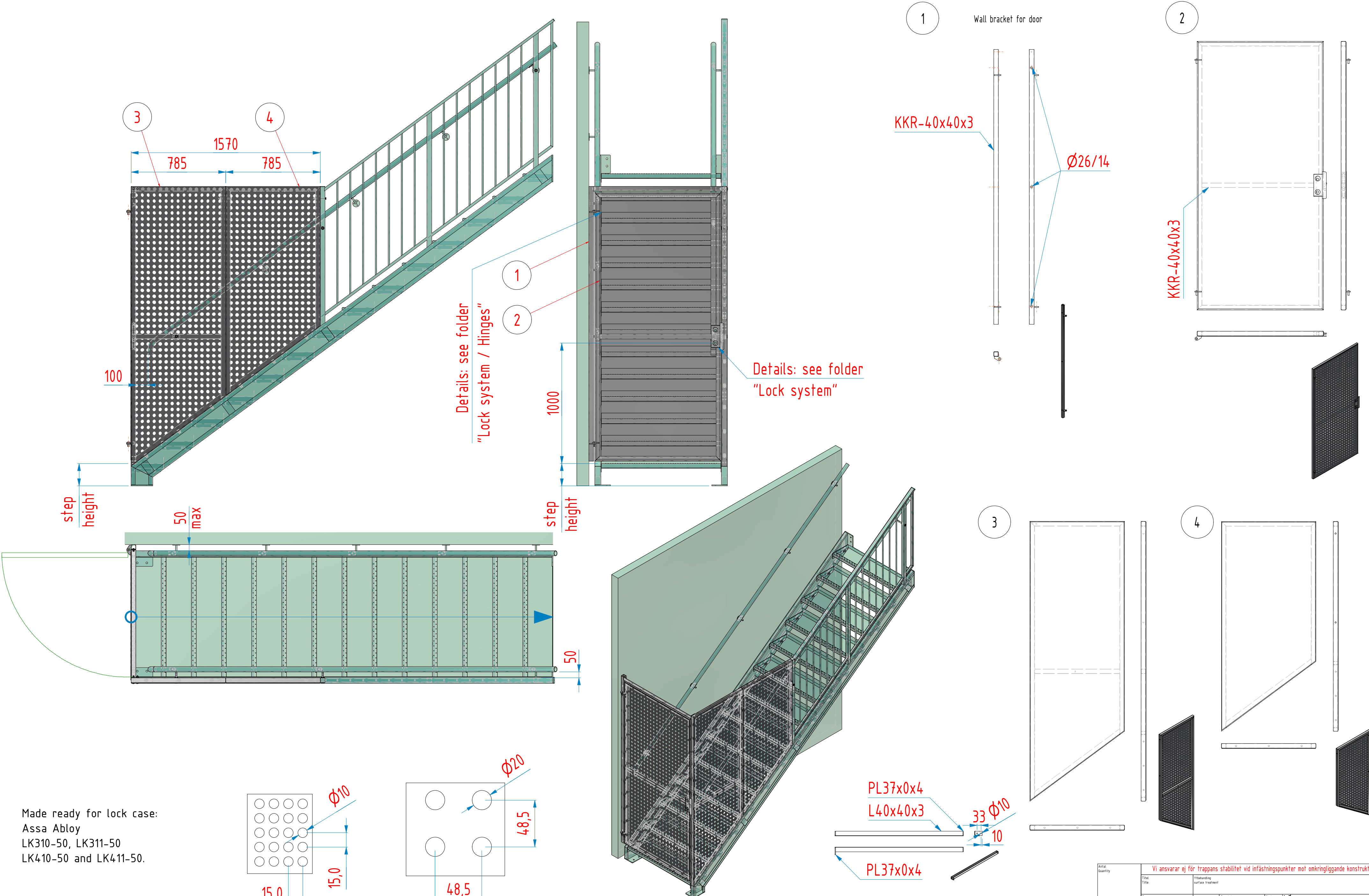
Comments 1. All indeterminate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.	EN 10204 EXC2, CE	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Material Steel S235JR NS/SS-EN 10025-2
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000	
		±1	±2	±3	±4	±6	±8	

ABC STANDARD CAGE ON 2-SIDES.idw



Comments	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Material	Pluss		General Tolerances EN ISO13920:1996 dB	Scale 1:20		Master Skuggas Väg 7 64171 ÅBYRÅ, SWEDEN Tel: 0511-381011 www.abcsolutions.se	
	1. All indeterminate welds: T-welds as fillet welds a = 3						Steel S235JR NS/SS-EN 10025-2	Antal						Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.
	2. Connection of elements do as butt welds with full penetration													
	3. With hot-dip galvanized components, welds should be closed.													
PN-EN 10025-2 EXCZ CE	Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000								
	±1	±2	±3	±4	±6	±8								
							Steel S235JR NS/SS-EN 10025-2							
								Konstr.	201112L.TM					
								Grupp						

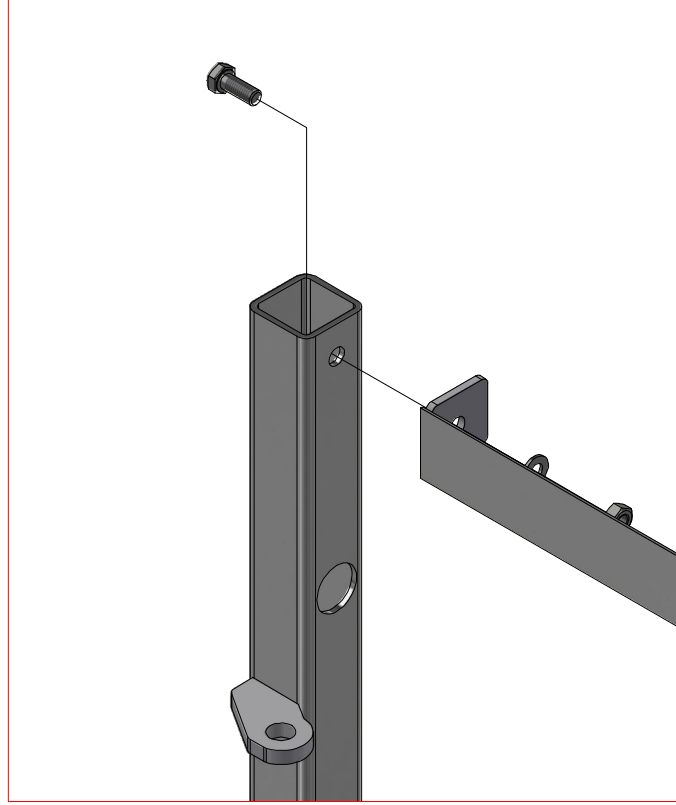
CAGE ON 1-SIDE PERFORATED.idw



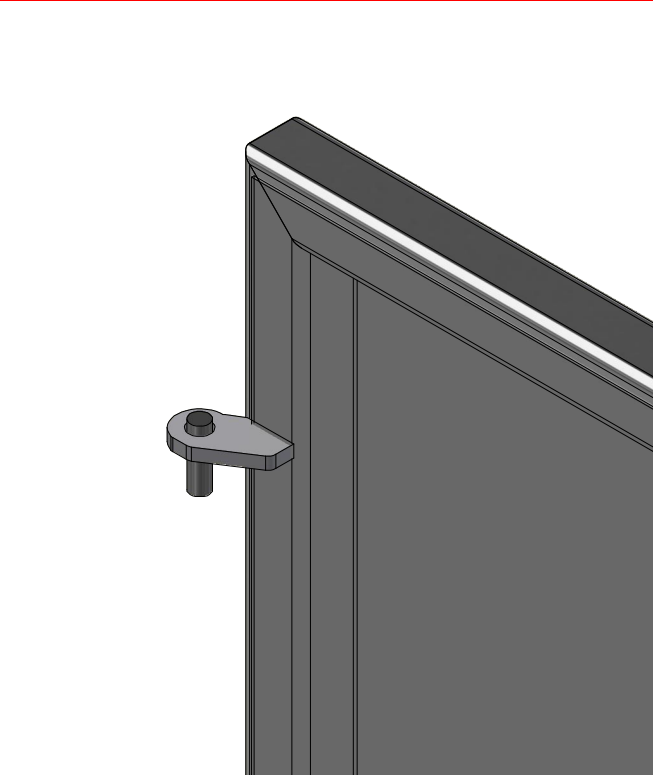
Comments		General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Material		Påssa Pass		 EN ISO 1920:1996 dB		 1:20				Master Skuggas Väg 7 64371 ARVIDA SWEDEN Tel: 0511-381011 www.abcsolutions.se			
1. All indeterminate welds: T-welds as fillet welds a = 3		PN-EN 10201 EXCZ CE		Above 30 to 120		Above 120 to 400		Above 400 to 1000		Above 1000 to 2000		Above 2000 to 4000		Above 4000		Steel S235JR		NS/SS-EN 10025-2			
2. Connection of elements do as butt welds with full penetration				±1		±2		±3		±4		±5		±8							
3. With hot-dip galvanized components, welds should be closed.																					

ASSEMBLY OF CAGE ON 1-SIDE PERFORATED.idw

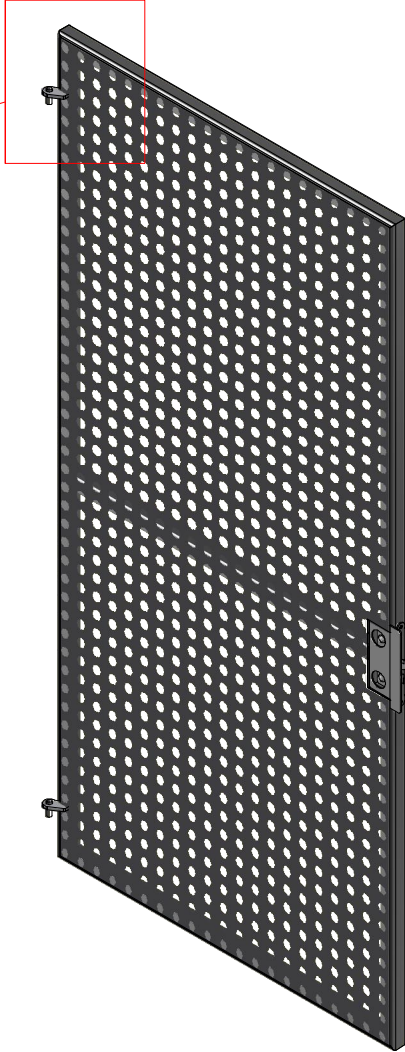
DET.1



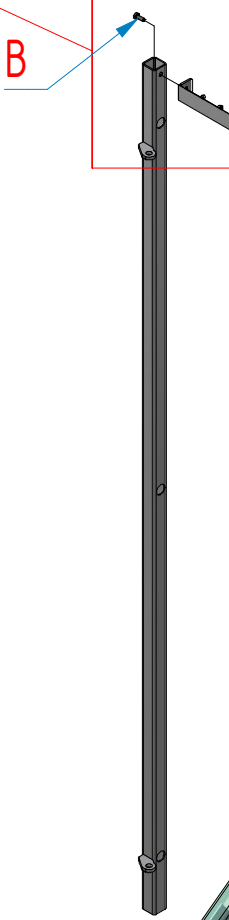
DET.2



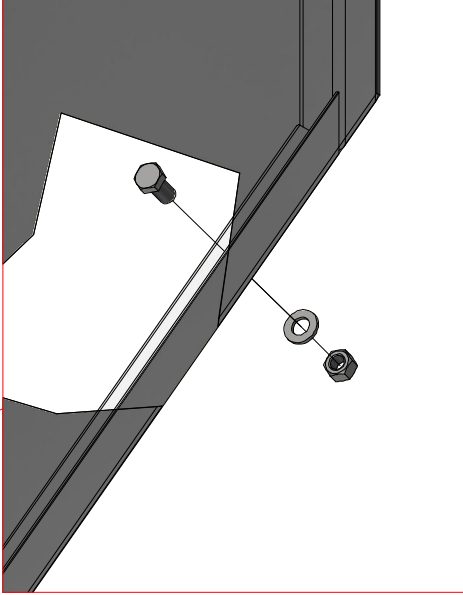
DET.2



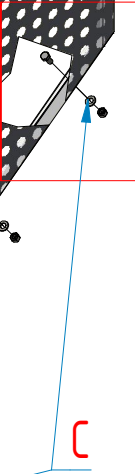
DET.1



DET.3



DET.3

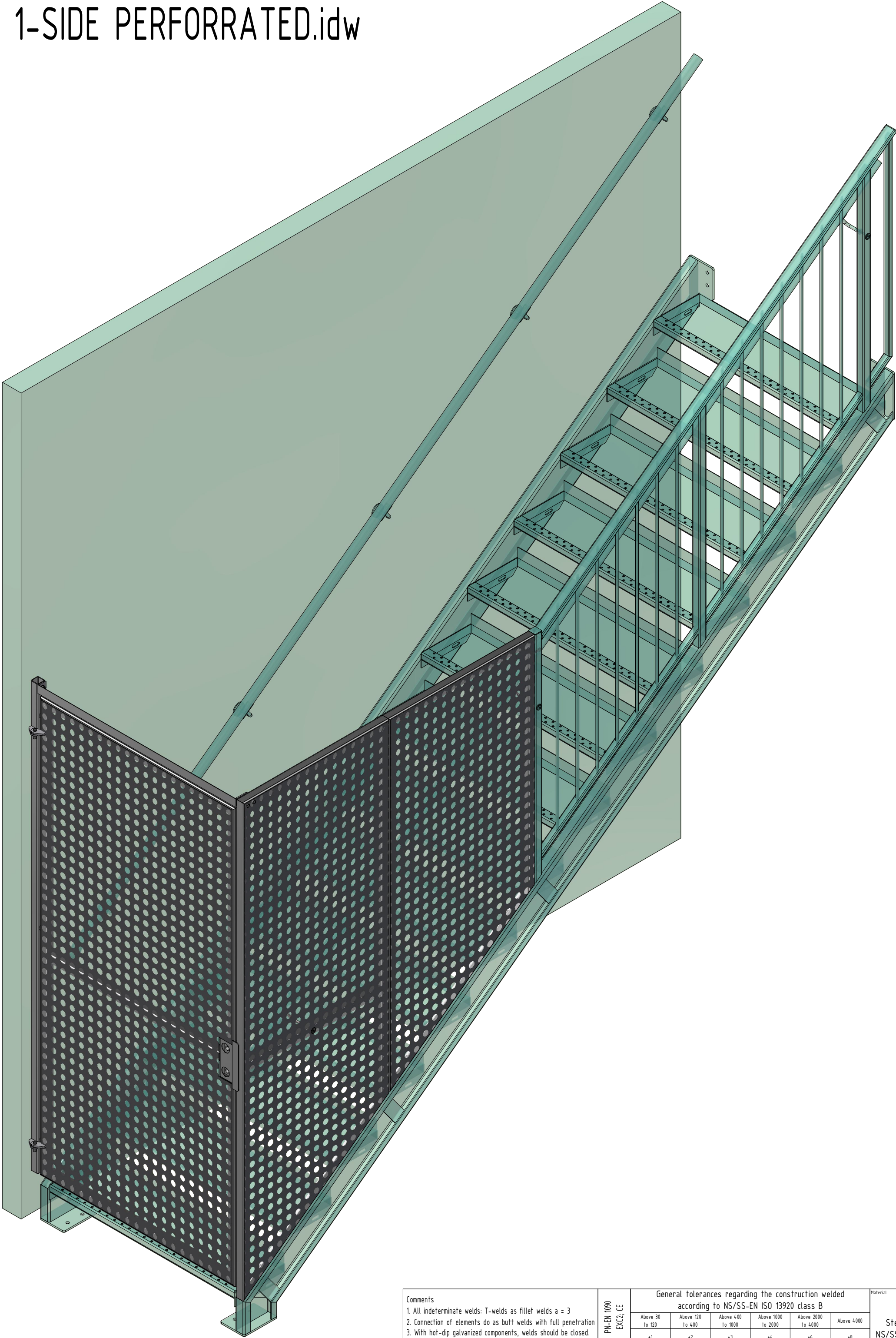


Fixing Elements	Standard	Reference	Quality
M8 x 20 Hexagonal head bolt	DIN 933 / ISO 4017	B	HDG
M8 x 100 Hexagonal head bolt	DIN 931 / ISO 4014	A	HDG
M8 Hexagon nut	DIN 934 / ISO 4032	A,B	HDG
Washer for M8	DIN 125 / ISO 7089	A,B	HDG
M12 x 25 Hexagonal head bolt	DIN 933 / ISO 4017	C	HDG
M12 Hexagon nut	DIN 934 / ISO 4032	C	HDG
Washer for M12	DIN 125 / ISO 7089	C	HDG

Comments 1. All indeterminate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.	PA-EN 10201 EXC2, CE	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Steel S235JR NS/SS-EN 10025-2
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000	
		±1	±2	±3	±4	±5	±8	

Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.				
Author Quantity	Drawn Title	Ythandling surface treatment		
Massa Mass		Gen. tolerans General tolerances EN ISO1920:1996 dB	Skala Scale 1:20	A2
Konstr. Date	Ref.dwg			
		Roster Skuggas Väg 7 64171 ÅRVIKA, SWEDEN Tel: 0511-381011 www.abcsolutions.se		
		Rev. nr DwgNo	CAGE ON 1-SIDE PERFORATED.idw	Rev

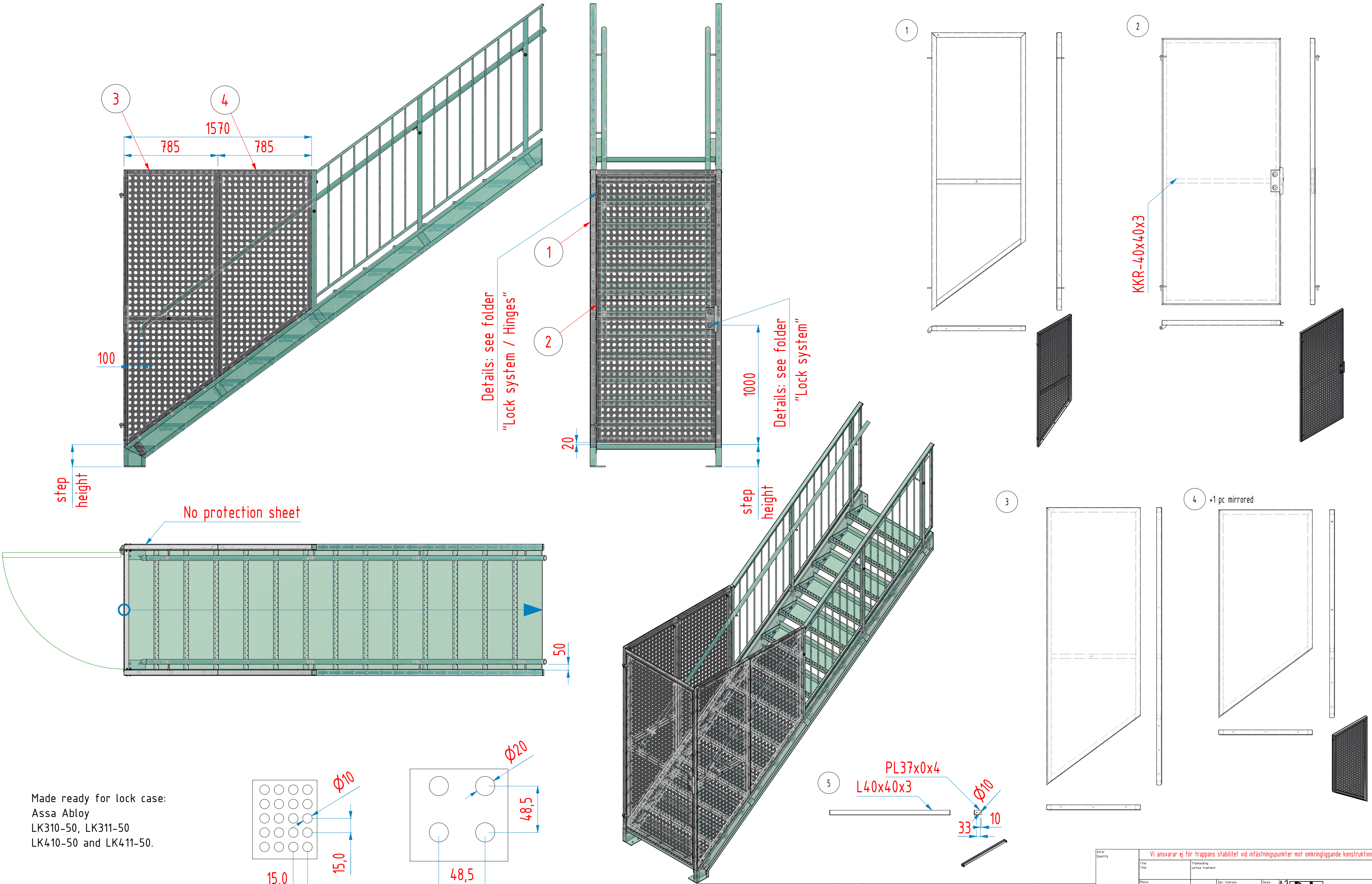
CAGE ON 1-SIDE PERFORATED.idw



Comments 1. All indeterminate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.	PA-EN 10025-2 EXCZ CE	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Material Steel S235JR NS/SS-EN 10025-2
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000	
		±1	±2	±3	±4	±6	±8	

Anfal Quantity		Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.															
Titel Title		Ytterbehandling surface treatment															
Platta Plate				Gen. tolerans General tolerances EN ISO1920:1996 dB		Skala Scale 1:20		A2				Rör nr DwgNo		CAGE ON 1-SIDE PERFORATED.idw		Rev	
Konstr. Design		12.01.12-79															
Går Goes																	

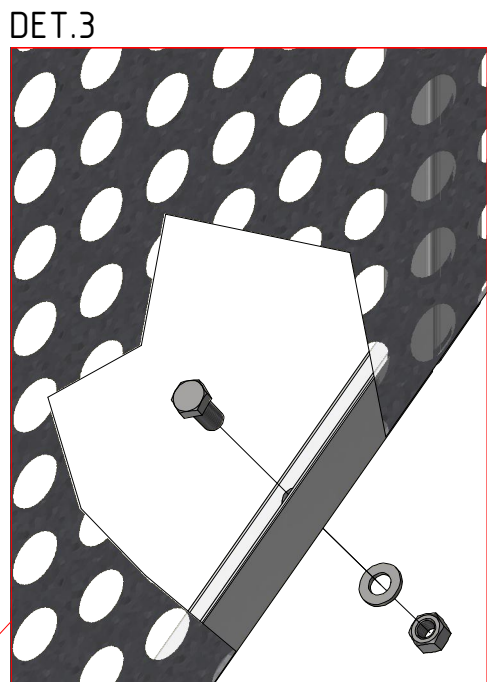
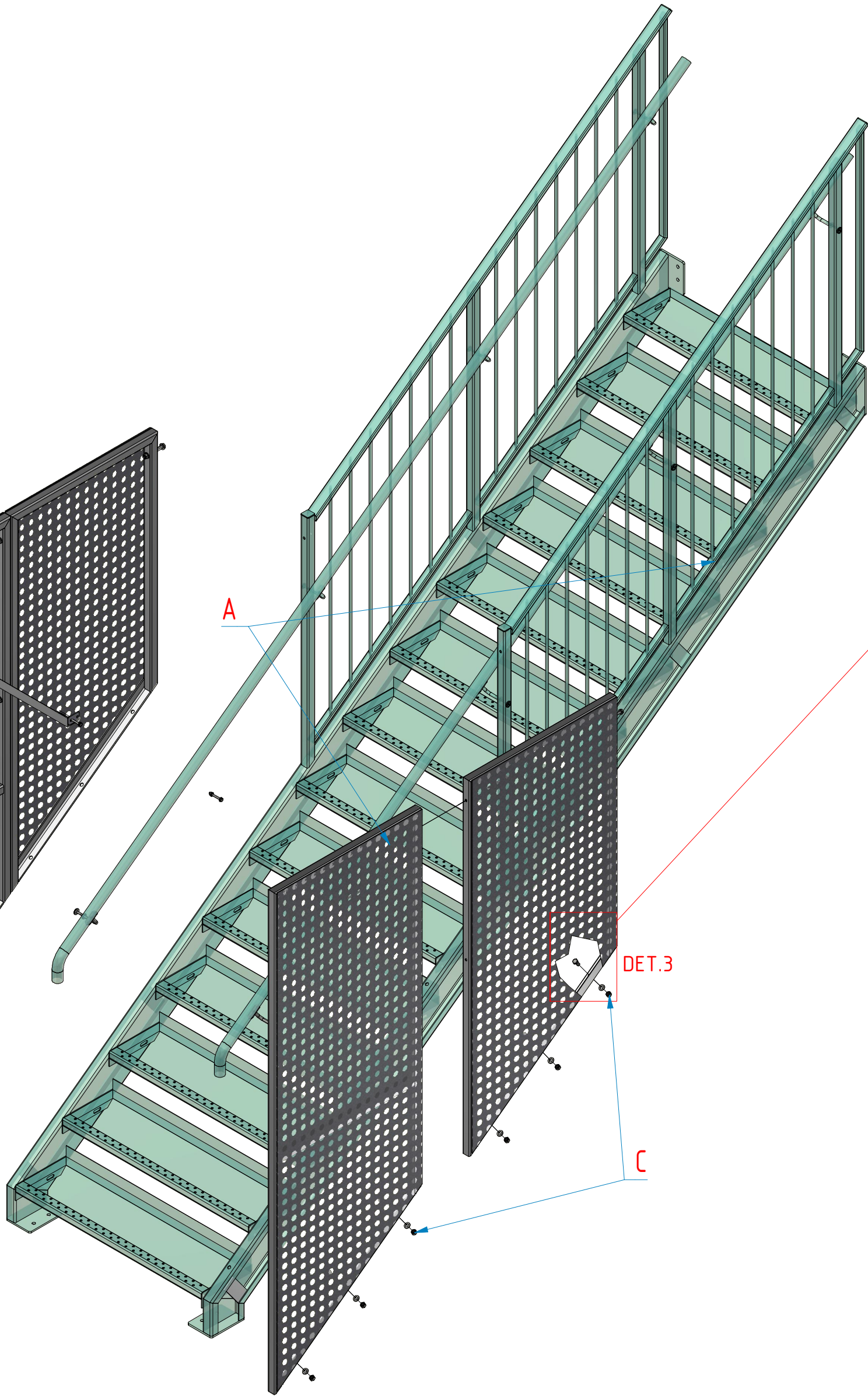
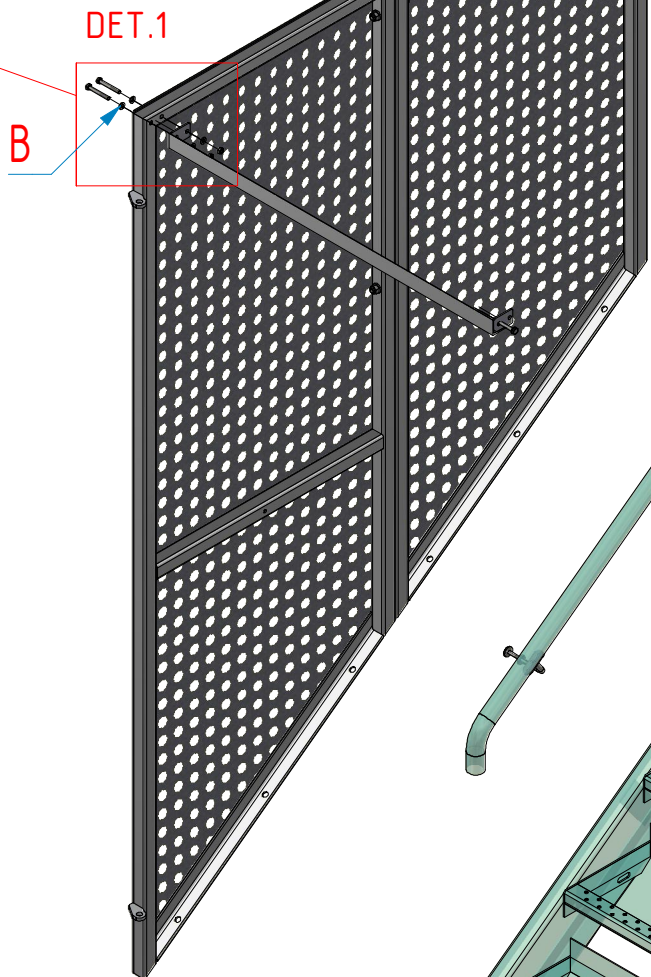
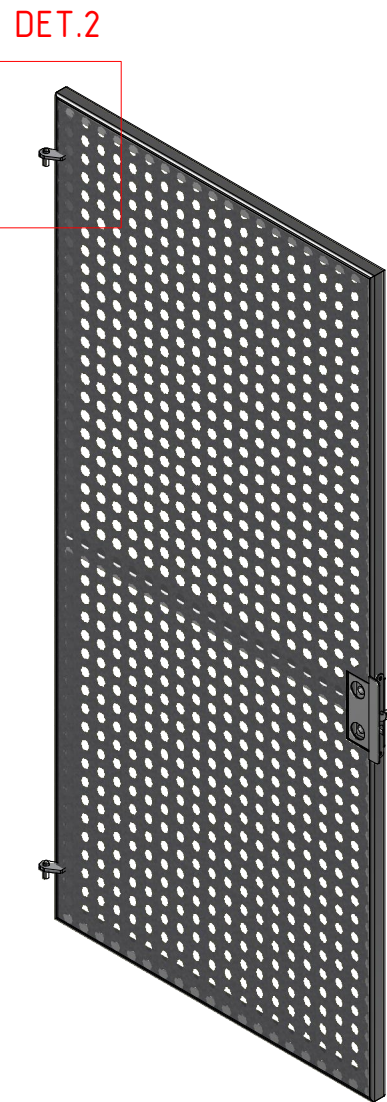
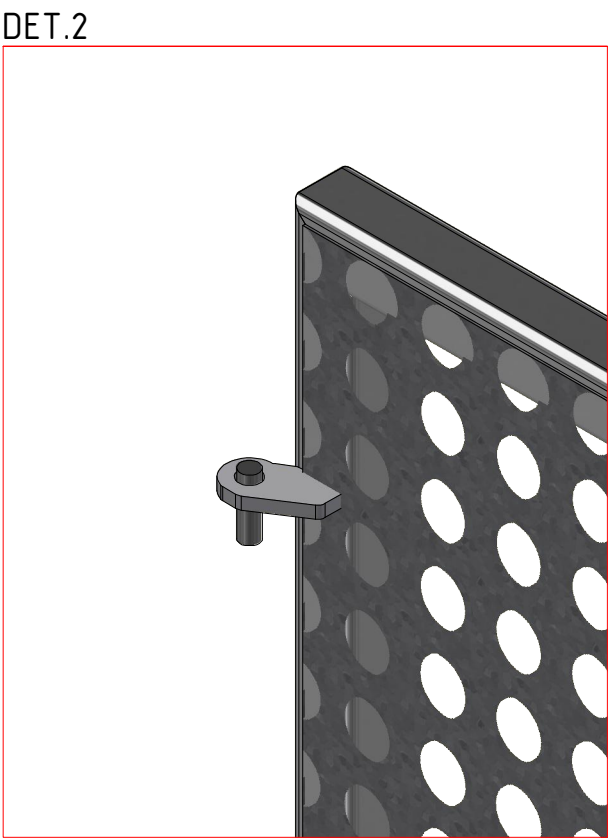
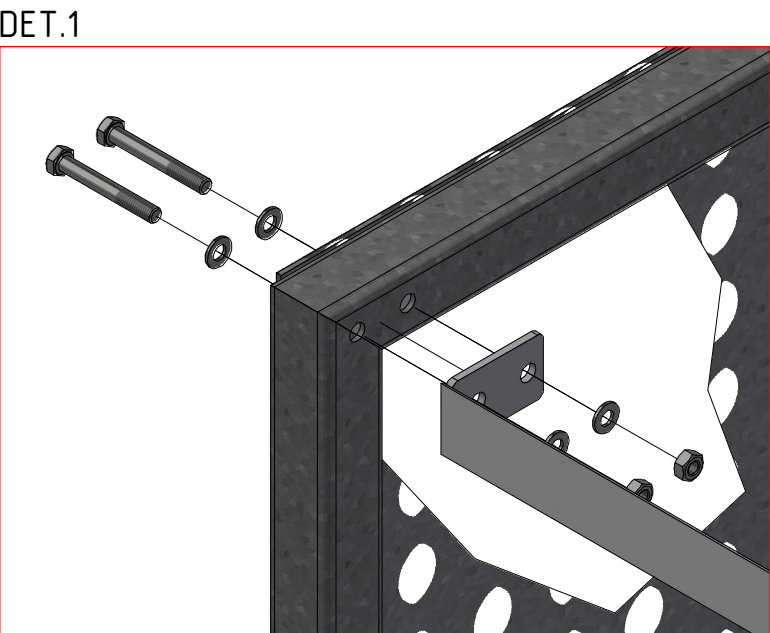
CAGE ON 2-SIDES PERFORATED.idw



Made ready for lock case:
Assa Abloy
LK310-50, LK311-50
LK410-50 and LK411-50.

Comments		General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Material	
1. All indeterminate welds: T-welds as fillet welds a = 3								Steel S235JR NS/SS-EN 10025-2	
2. Connection of elements do as butt welds with full penetration									
3. With hot-dip galvanized components, welds should be closed.									
P/N:EN 1090 EN12512 CE		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000		
		±1	±2	±3	±4	±5	±8		
Material		Steel S235JR							
General tolerances		EN ISO13920:1996 class B							
Surface treatment		Ytbehandling							
Ref.dwg		EN ISO 13920:1996 class B							
Material		Steel S235JR							
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ASSEMBLY OF CAGE ON 2-SIDES PERFORATED.idw



Fixing Elements	Standard	Reference	Quality
M8 x 60 Hexagonal head bolt	DIN 931 / ISO 4014	B	HDG
M8 x 100 Hexagonal head bolt	DIN 931 / ISO 4014	A	HDG
M8 Hexagon nut	DIN 934 / ISO 4032	A,B	HDG
Washer for M8	DIN 125 / ISO 7089	A,B	HDG
M12 x 25 Hexagonal head bolt	DIN 933 / ISO 4017	C	HDG
M12 Hexagon nut	DIN 934 / ISO 4032	C	HDG
Washer for M12	DIN 125 / ISO 7089	C	HDG

Comments 1. All indeterminate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.	PA-EN 10201 EXC2, CE	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B						Steel S235JR NS/SS-EN 10025-2
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000	Above 4000	
		±1	±2	±3	±4	±6	±8	

Vi ansvarar ej för trappans stabilitet vid infästningspunkter mot omkringliggande konstruktion.			
Author Quantity	Title	Ythandling Surface treatment	
Massa	Gen. tolerans General tolerances EN ISO1920:1996 dB	Skala Scale 1:20	A2
Massa	Ref.dwg	Ref.dwg	
Konstr. Date	13.01.22-TM		
Rita av Dwgfile			Rev



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www.abcsolutions.se

CAGE ON 2-SIDES PERFORATED.idw

3D perspective view of a staircase with a perforated metal safety enclosure. The enclosure consists of vertical panels with circular holes, supported by a frame. The staircase has metal treads and risers. The entire assembly is shown in a light blue/green color scheme.

Comments		General tolerances regarding the construction according to NS/SS-EN ISO 13920			
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000
1. All indeterminate welds: T-welds as fillet welds a = 3					
2. Connection of elements do as butt welds with full penetration					
3. With hot-dip galvanized components, welds should be closed.					

PA-EN 1090
EXC. CE

Comments 1. All intermediate welds: T-welds as fillet welds a = 3 2. Connection of elements do as butt welds with full penetration 3. With hot-dip galvanized components, welds should be closed.	P/Nr: 1090 EXC2, CE	General tolerances regarding the construction welded according to NS/SS-EN ISO 13920 class B					Material Steel S235JR NS/SS-EN 10025-2	P/Nr: 1090 EXC2, CE	Gen. tolerances General Tolerances EN ISO 13920:1995 cl.B	Scale Scale 1:20	 Pabc PÅL & BENGTSSON Muster Slagavs Väg 7 64731 ÅKERÖVA, SWEDEEN Tel: 031-180937 www.pabcinfo.se	Rev Design: CAGE ON 2-SIDES PERFORATED idw	
		Above 30 to 120	Above 120 to 400	Above 400 to 1000	Above 1000 to 2000	Above 2000 to 4000							Above 4000
		x1	x2	x3	x4	x6							x8