

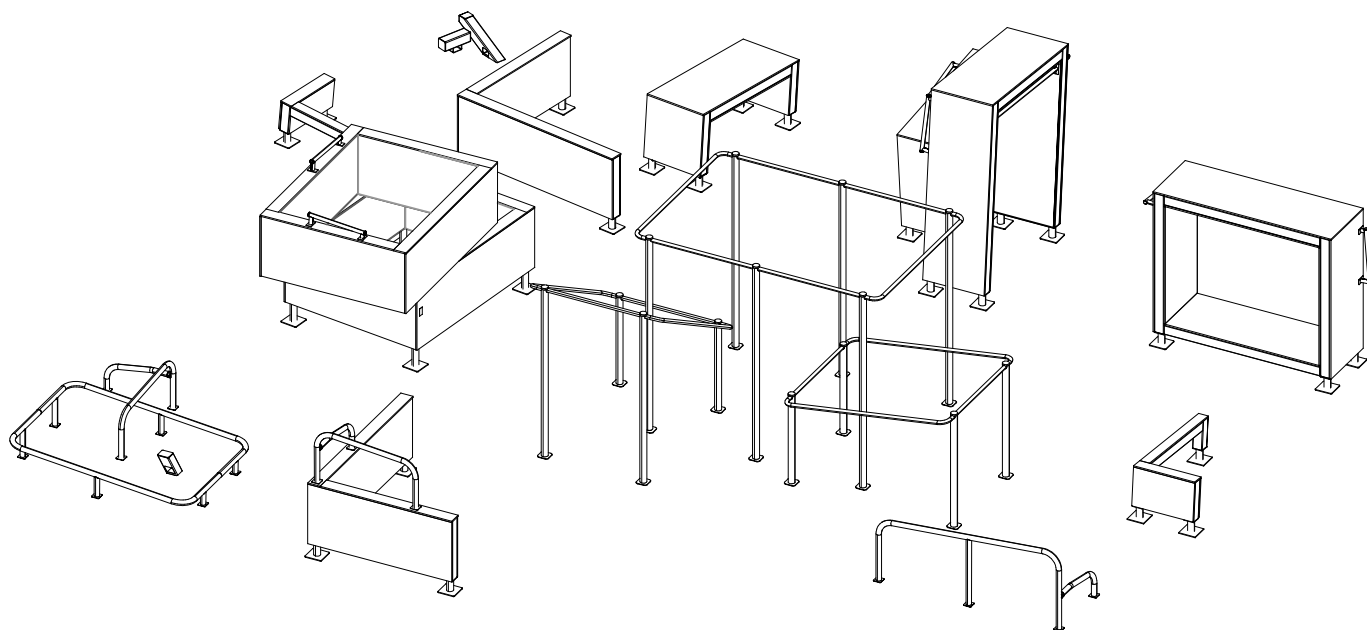
LAPPSET®

DASH PARKOUR

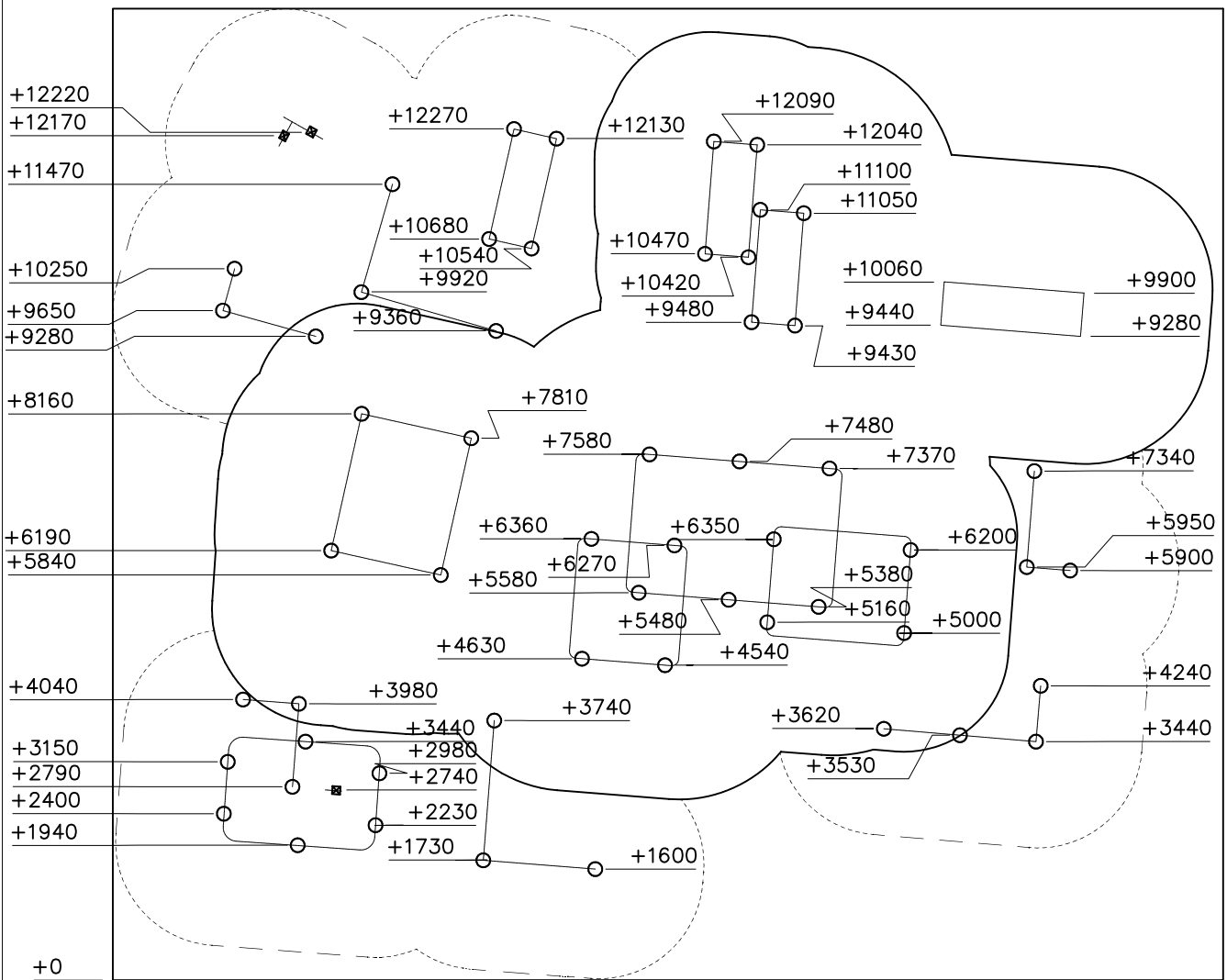
ASENNUSOHJE
MONTERINGSANSVISNING
INSTALLATION INSTRUCTION
AUFBAUANLEITUNG
NOTICE D'INSTALLATION

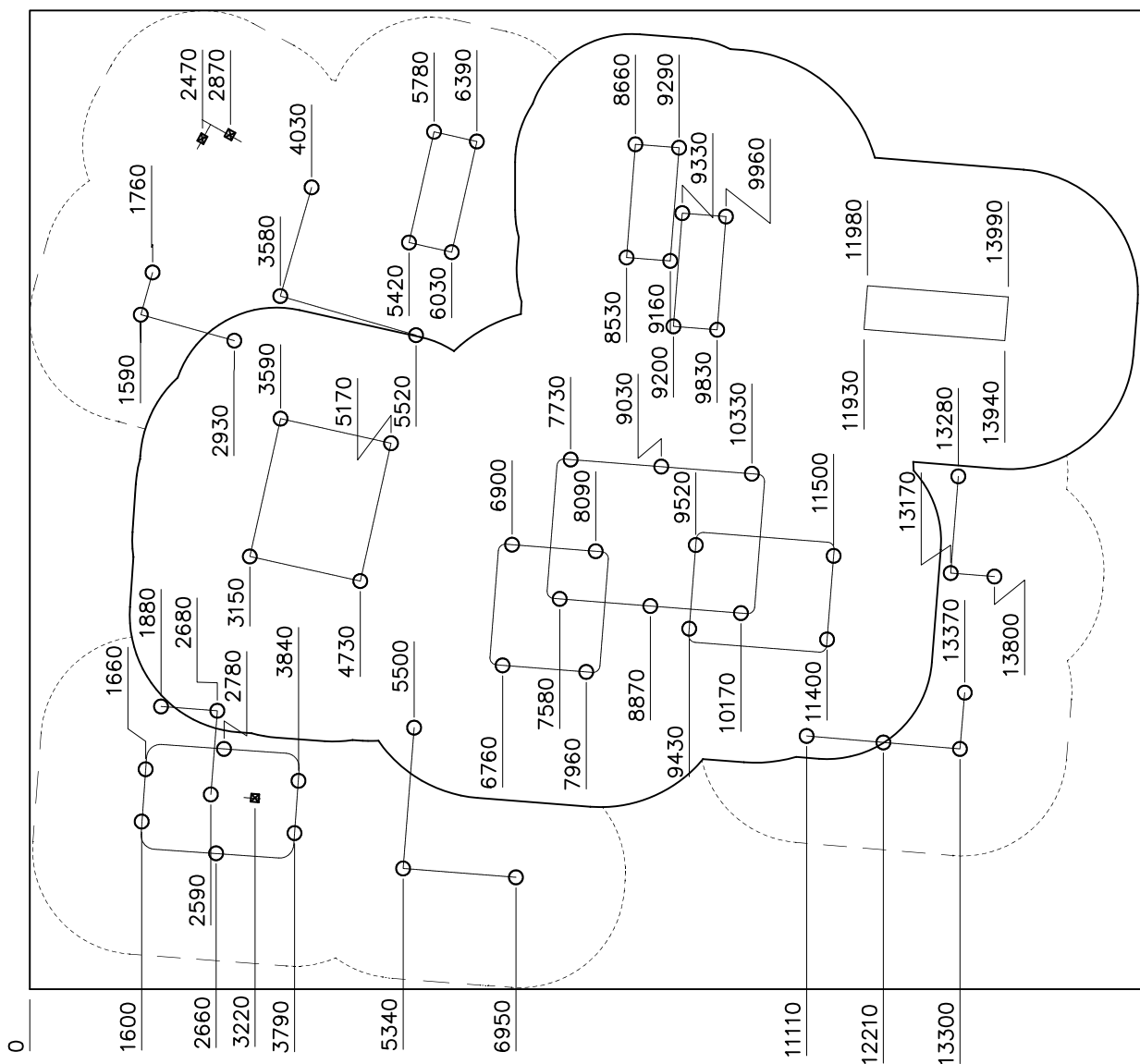
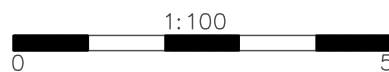
DATE: 24.2.2021

081786M



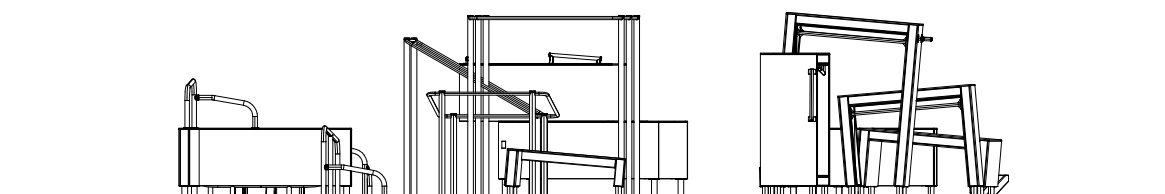
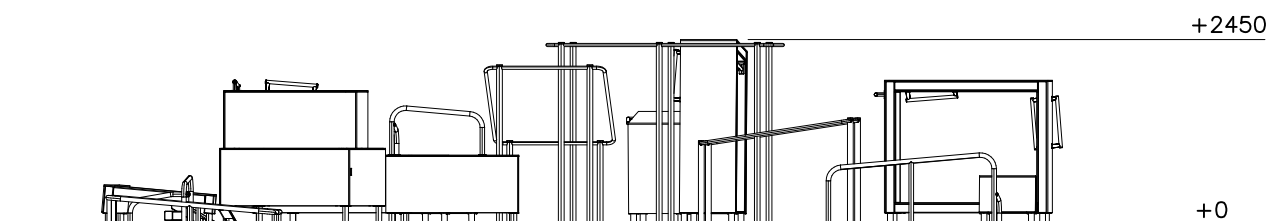
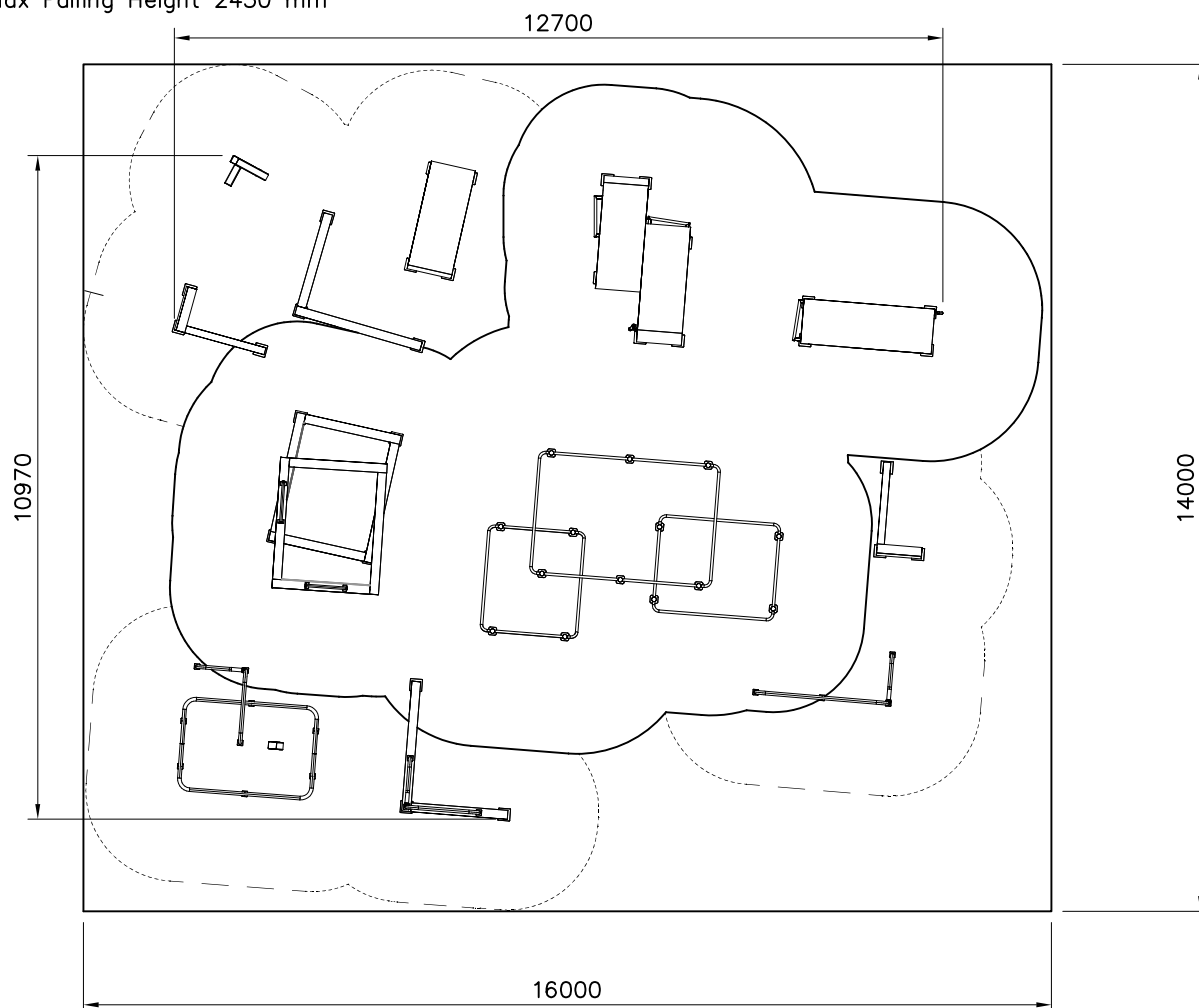
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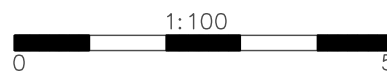




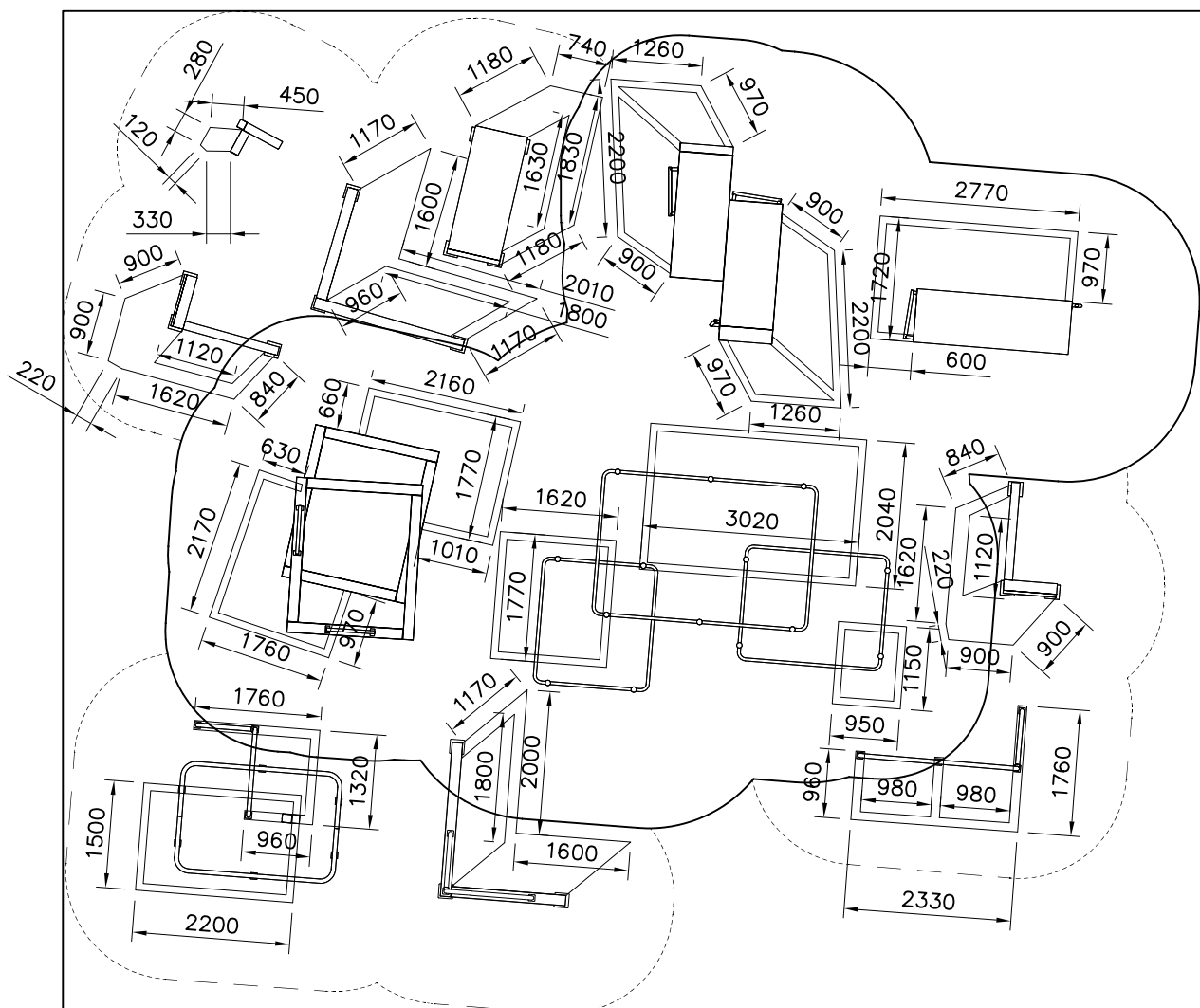
- EN Impact Attenuating Surface (IAS) 102.6 m²
- Falling Space 173.7 m²
- Max Falling Height 2450 mm

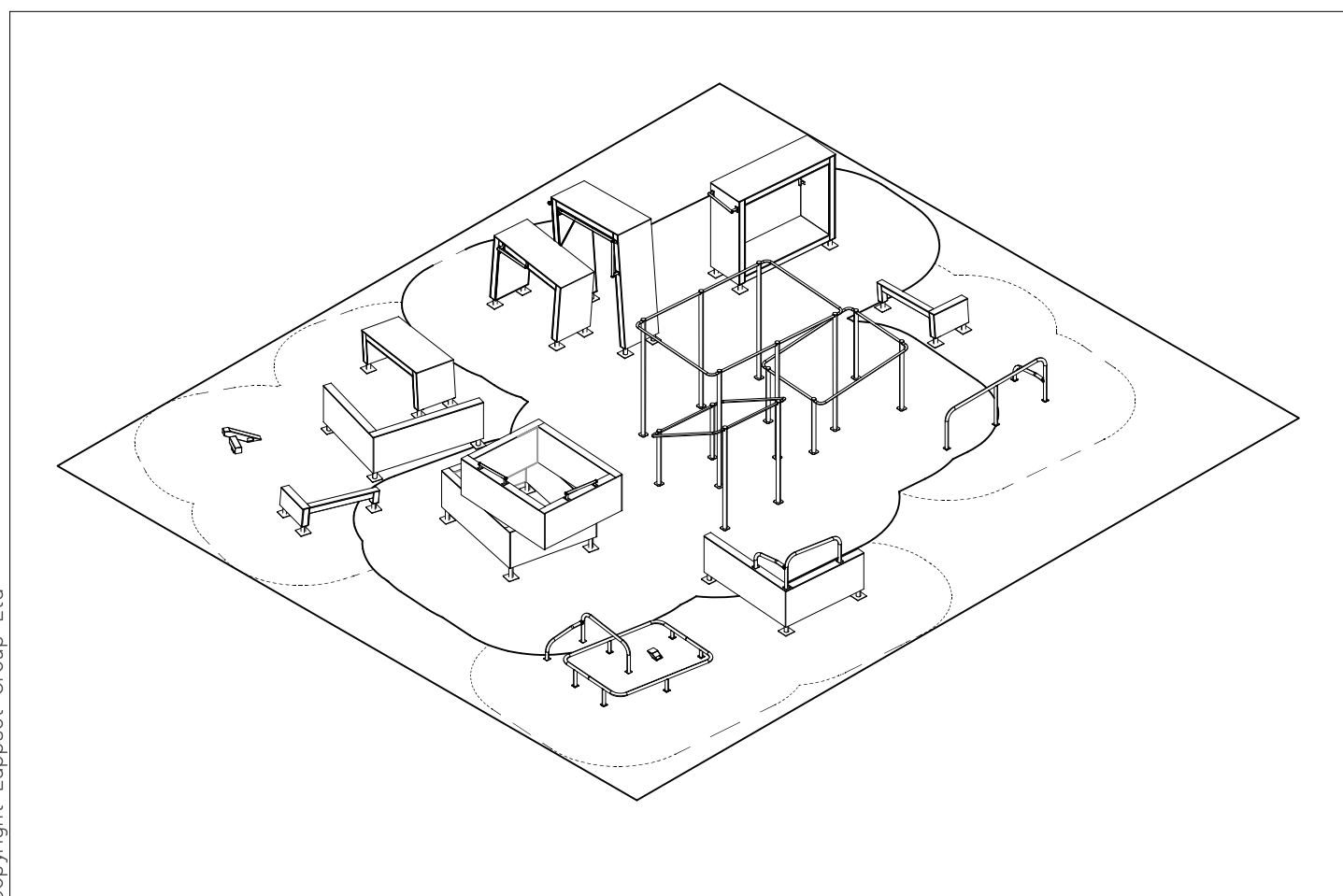
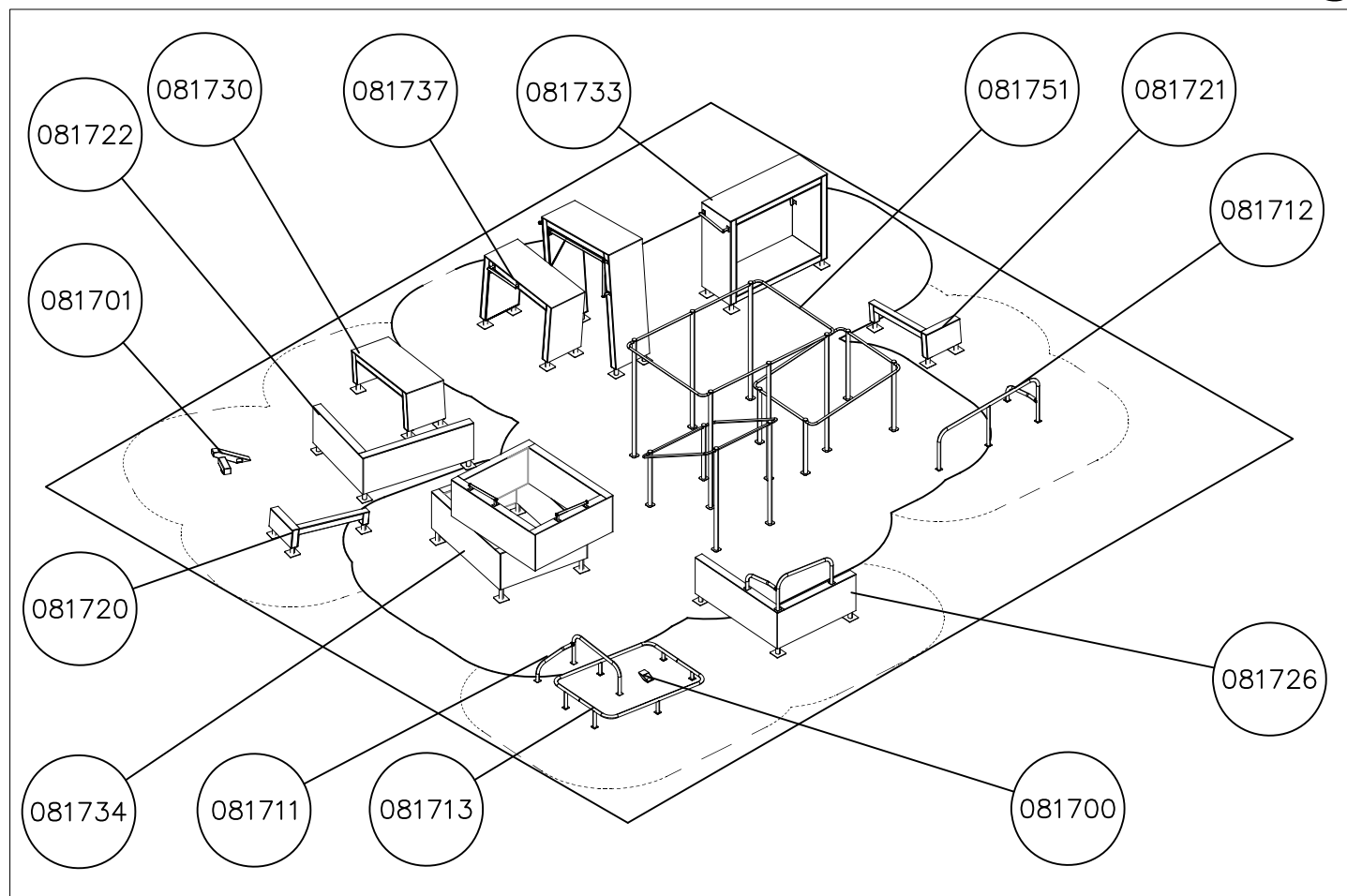
1:125

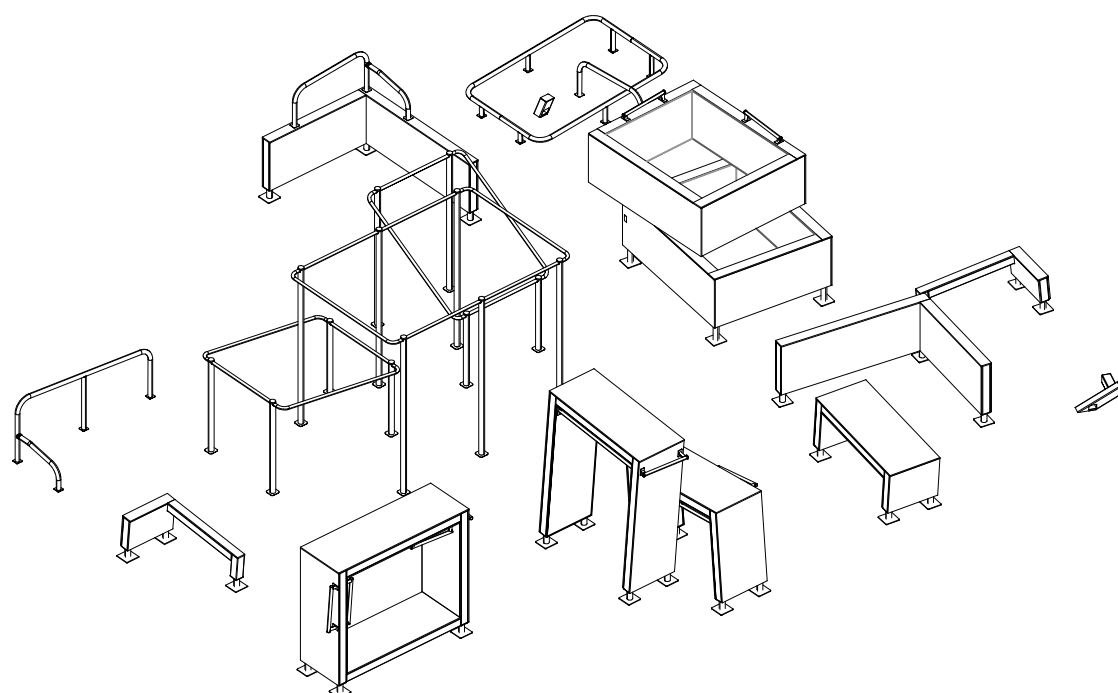
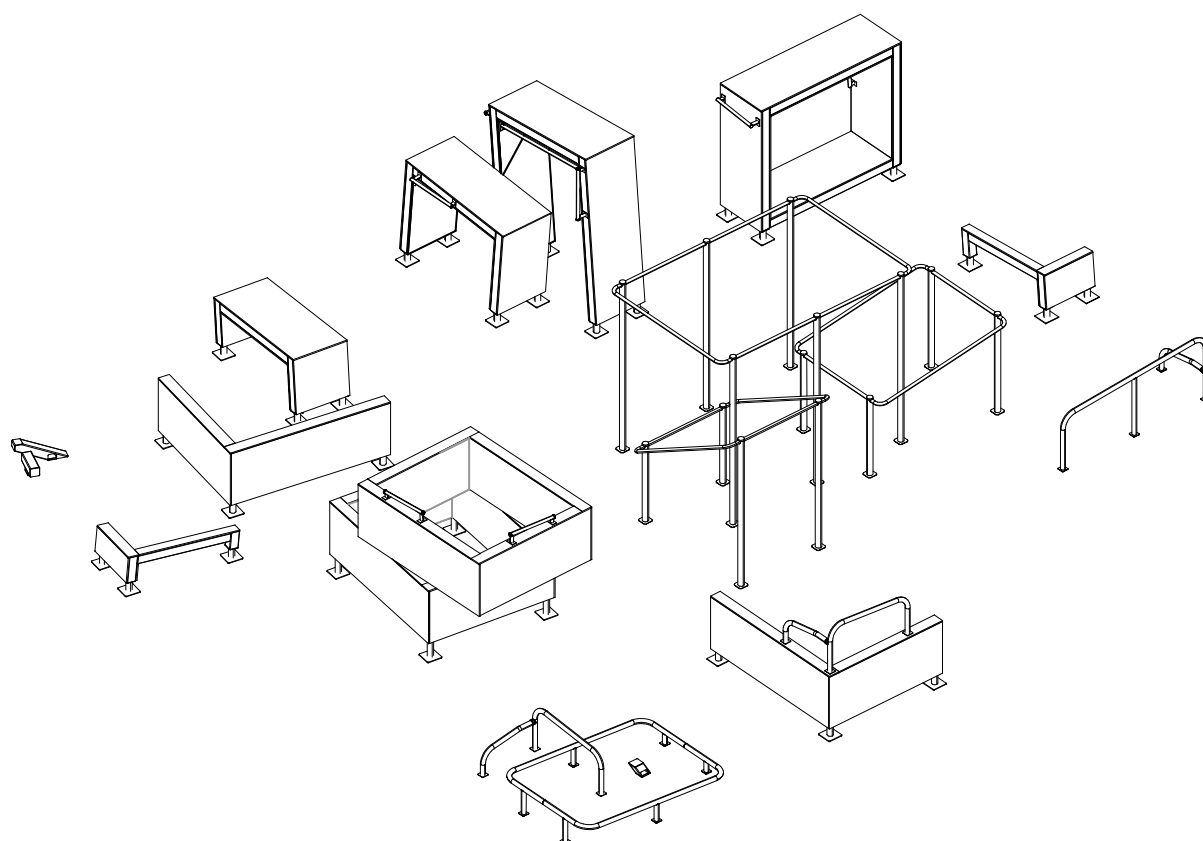


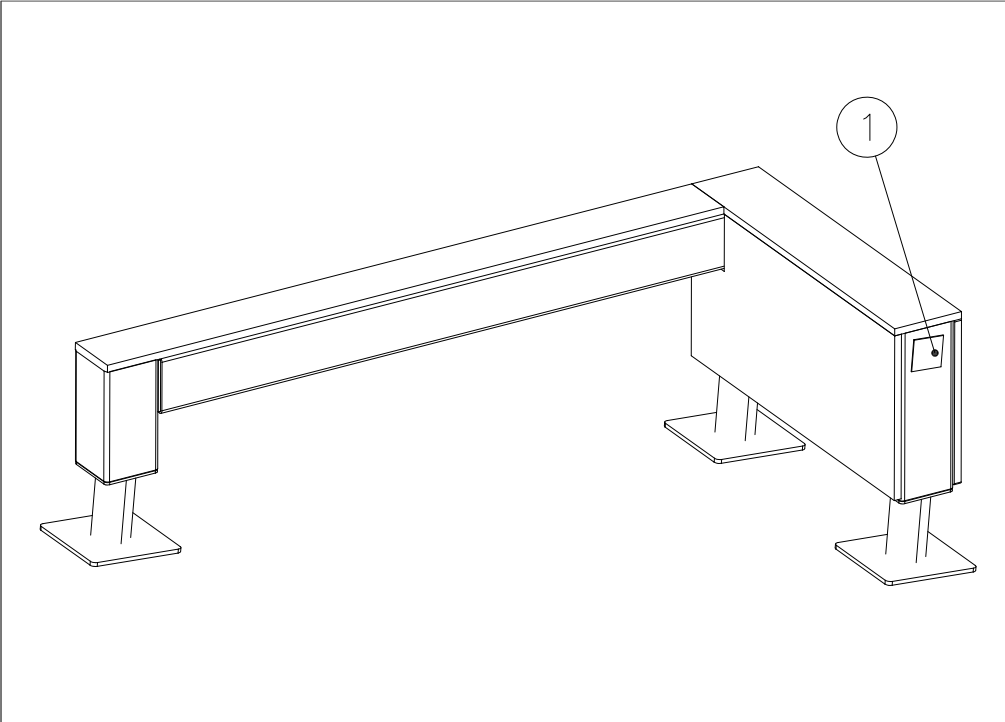


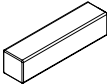
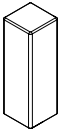
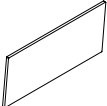
Groudmarks

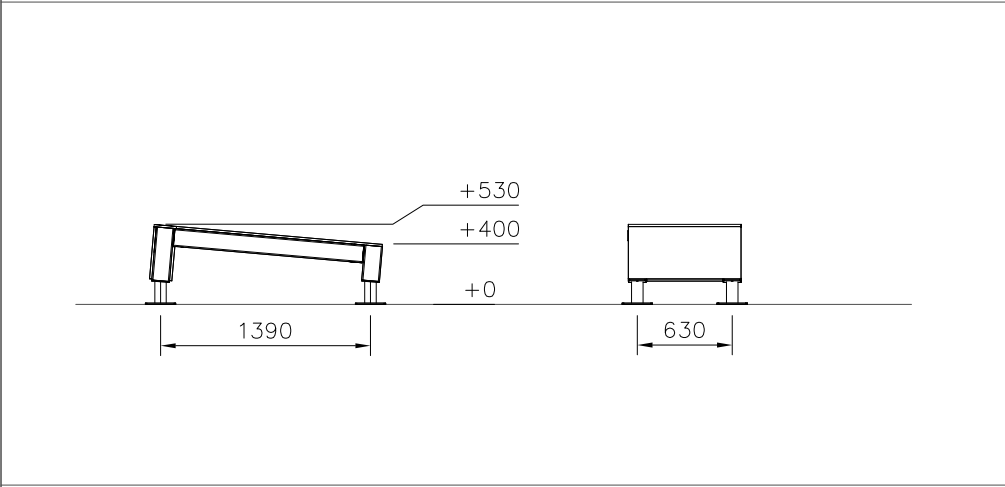


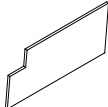
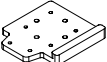




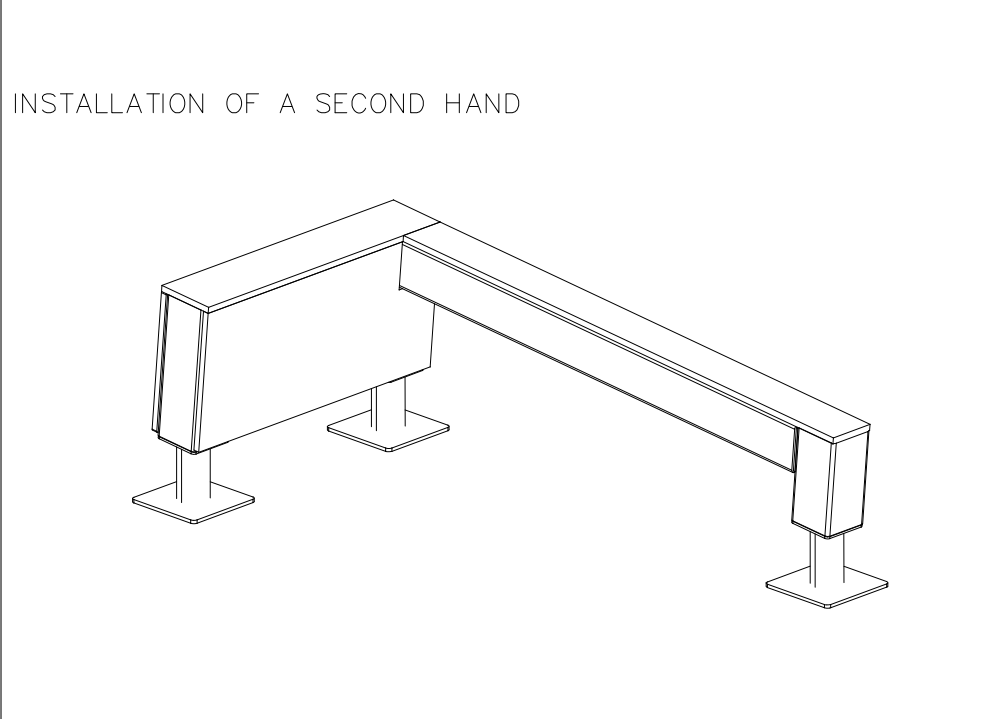


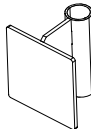
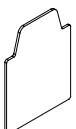
① 702286	PCS	② 707210	PCS
	1		2
65x65		118x118x503	
③ 707212	PCS	④ 708347	PCS
	1		1
118x118x1254		118x118x231	
⑤ 708443	PCS	⑥ 712621	PCS
	2		1
118x118x352		16x346x745	



⑦ 712622	PCS	⑧ 712625	PCS
	1		1
16x346x745		16x148x745	
⑨ 712626	PCS	⑩ 708857 JIG	PCS
	1		1
16x118x1365		20x133x149	

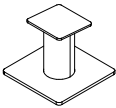
INSTALLATION OF A SECOND HAND



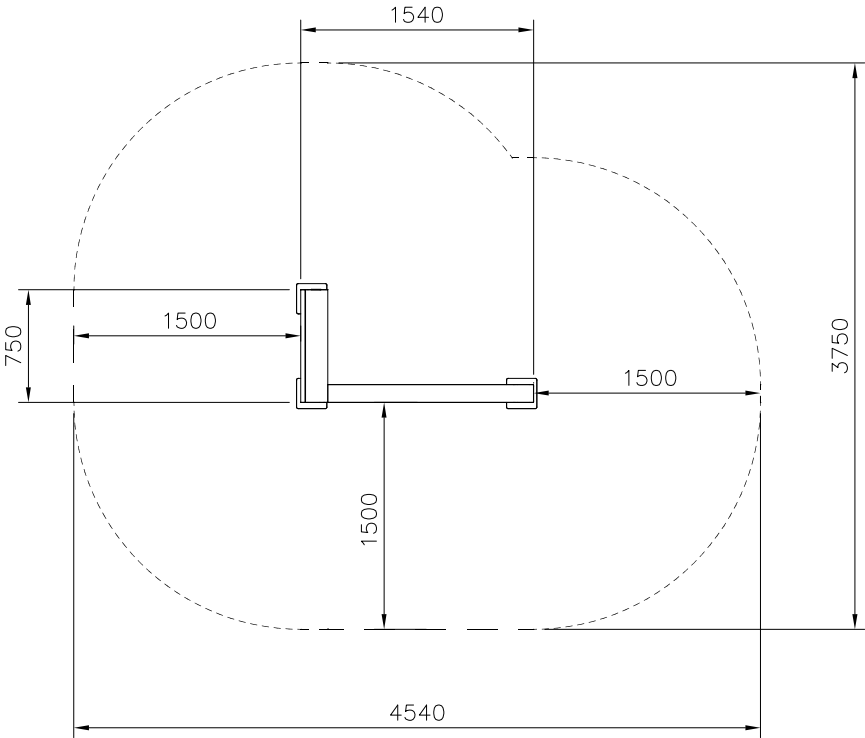
⑪ 910266	PCS	⑫ 900240	PCS
	2		16
90x108x118		Ø8x70	
⑬ 903093	PCS	⑭ 905103	PCS
	4		2
Ø8x90		PT-28/32-H	
⑮ 905112	PCS	⑯ 908698	PCS
	4		4
Ø22		3x114x108	

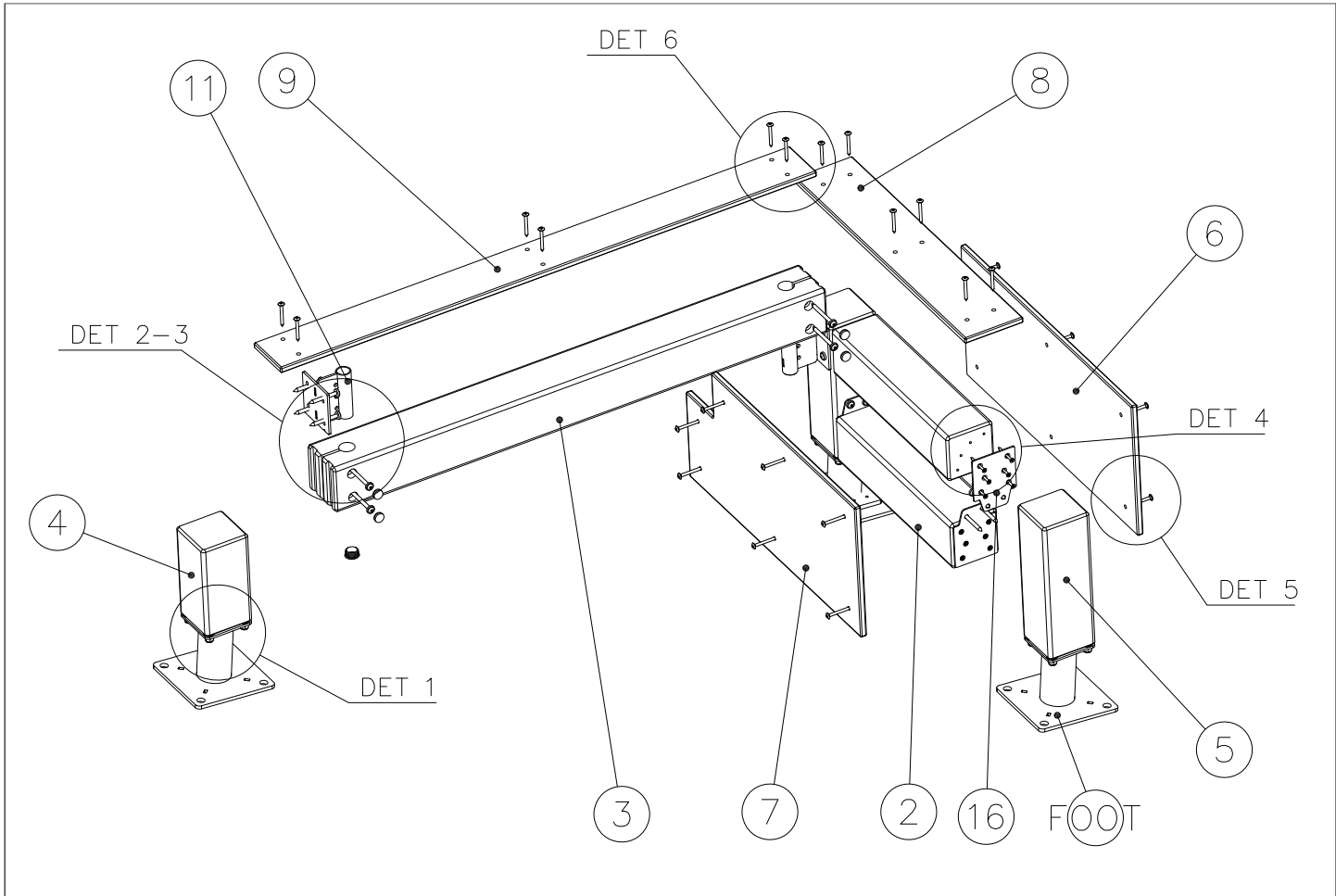
17	980100	PCS	18	980114	PCS	19	980123	PCS
		28			4			25
								
Ø5x60			Ø4x20			Ø7x60		

FOOT OPTIONS

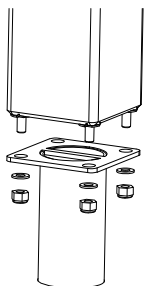
709261+		709262+	
910267	PCS	910567	PCS
SURFACE	3	CONCRETE	3
			
152x200x200		117x117x715	

----- Falling Space 13.8 m2
Max Falling Height 530 mm

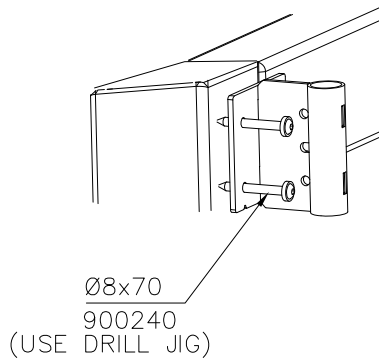




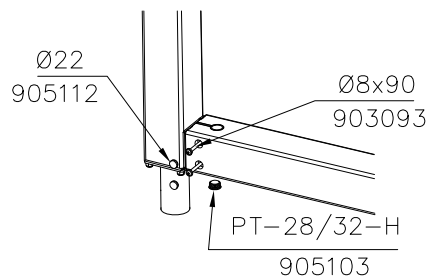
DET 1



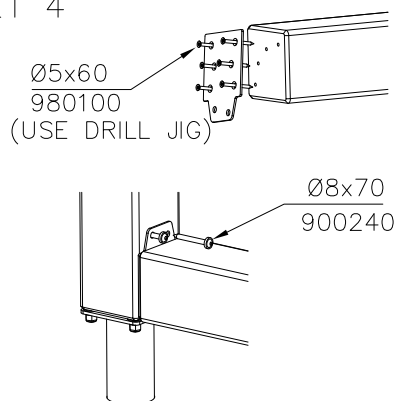
DET 2



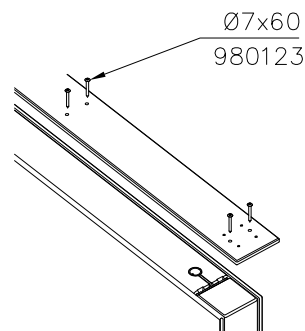
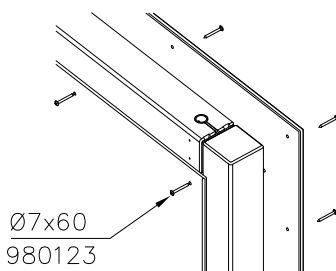
DET 3



DET 4



DET 5



JIG DET A (USE DET 2-4)

NOTE:

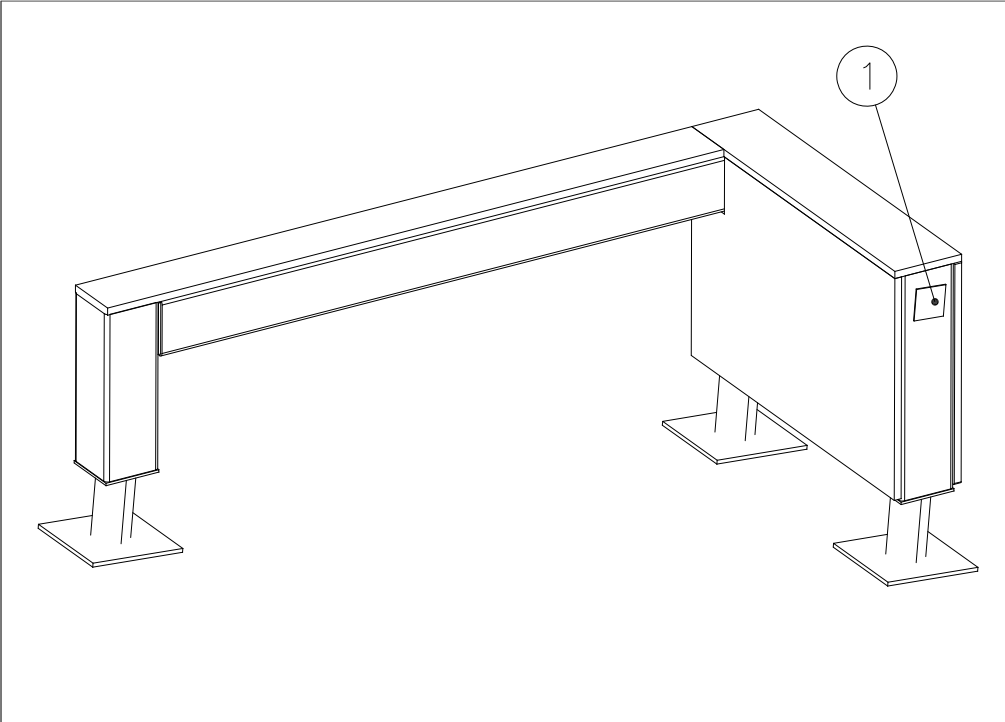
Use drill jig 708857
to predrill Ø5 ∇ 50
holes for 910266
and 908698

708857

910266

908698

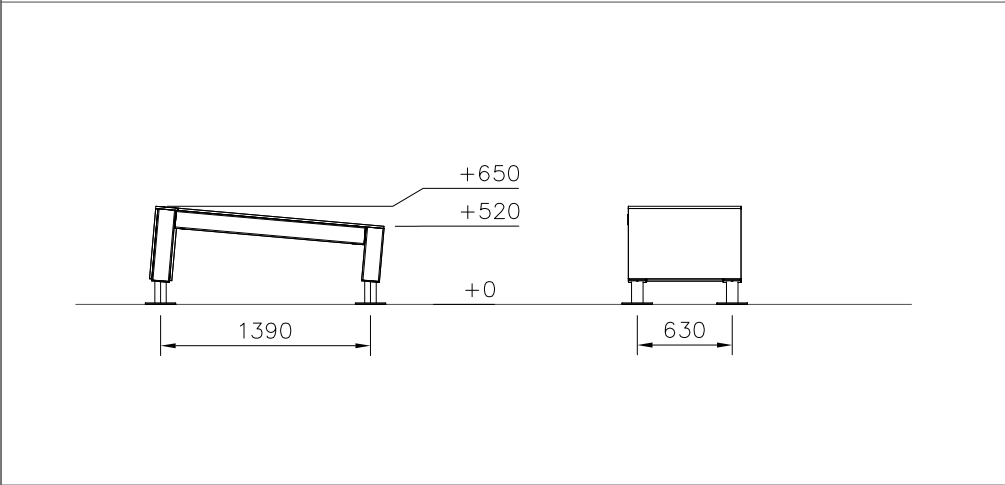
Ø5 ∇ 50



① 702286	PCS	② 707210	PCS
	1		2
65x65		118x118x503	

③ 707212	PCS	④ 707889	PCS
	1		2
118x118x1254		118x118x472	

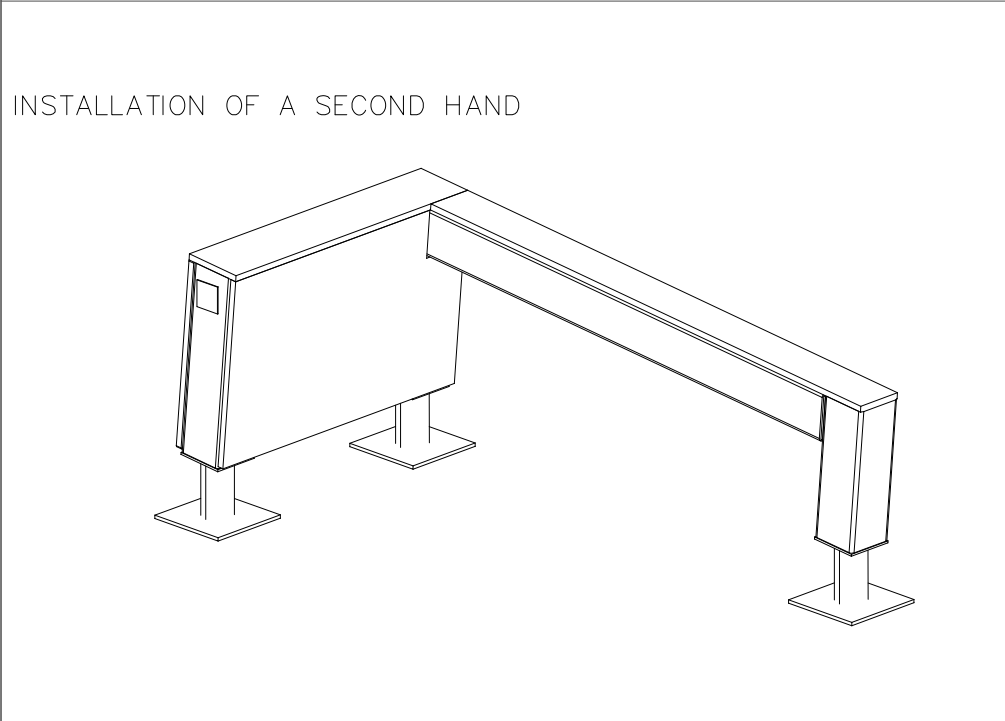
⑤ 708443	PCS	⑥ 712625	PCS
	1		1
118x118x352		16x148x745	



⑦ 712626	PCS	⑧ 708857 JIG	PCS
	1		1
16x118x1365		20x133x149	

⑨ 712623	PCS	⑩ 900240	PCS
	1		16
16x466x745		Ø8x70	

INSTALLATION OF A SECOND HAND



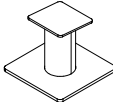
⑪ 903093	PCS	⑫ 905103	PCS
	4		2
Ø8x90		PT-28/32-H	

⑬ 905112	PCS	⑭ 908698	PCS
	4		4
Ø22		3x114x108	

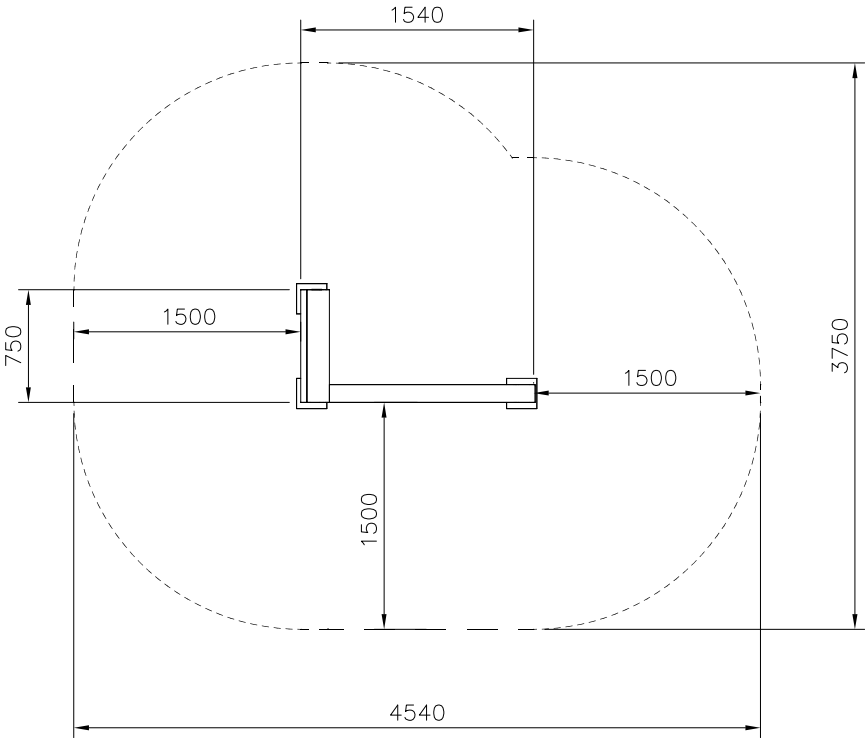
⑮ 910266	PCS	⑯ 712624	PCS
	2		1
90x108x118		16x466x745	

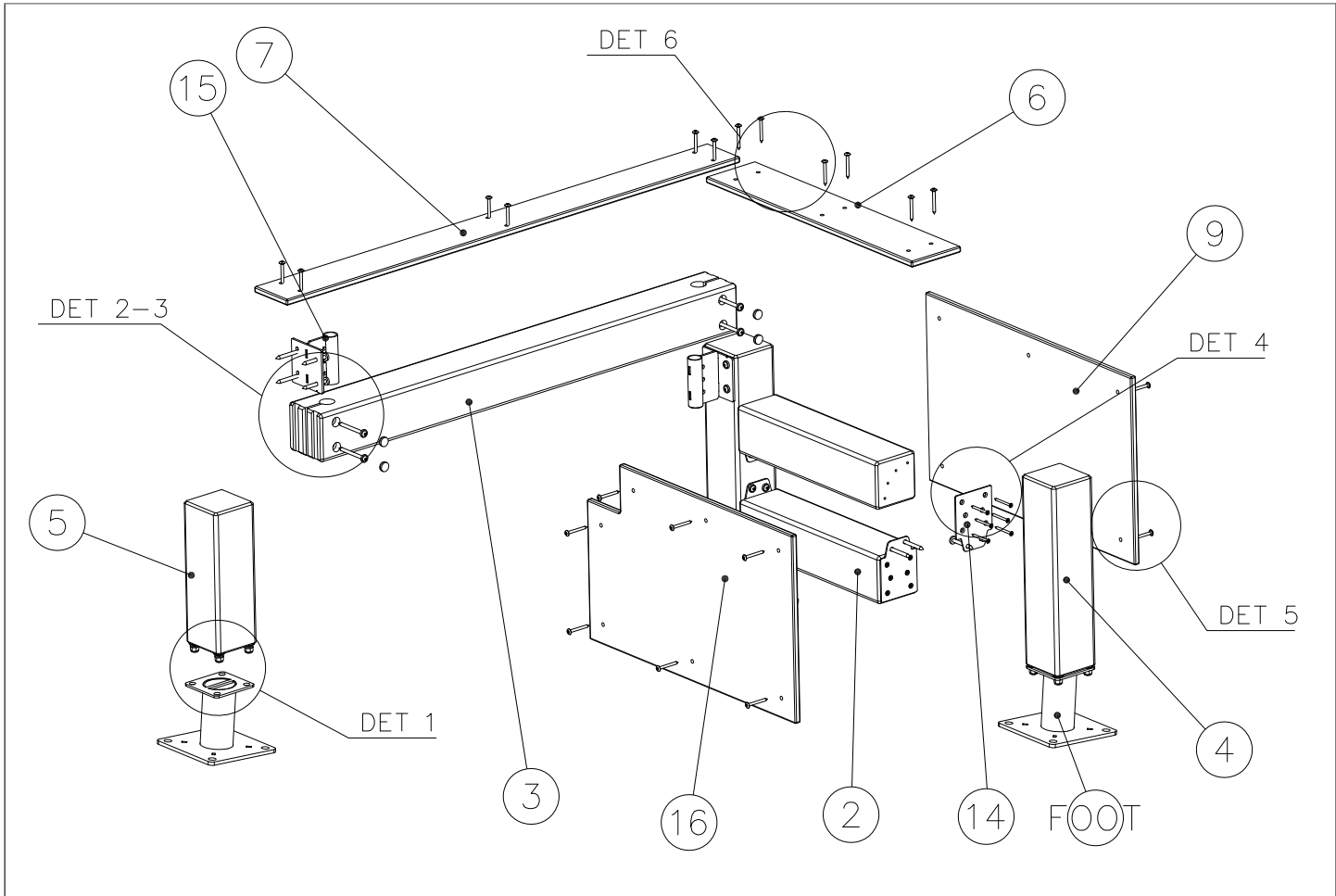
17	980100	PCS	18	980114	PCS	19	980123	PCS
		28			4			25
								
Ø5x60			Ø4x20			Ø7x60		

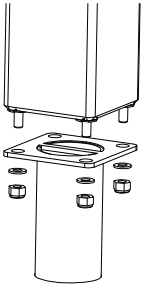
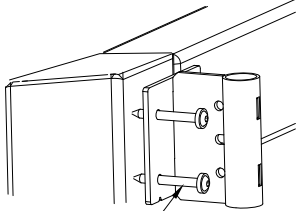
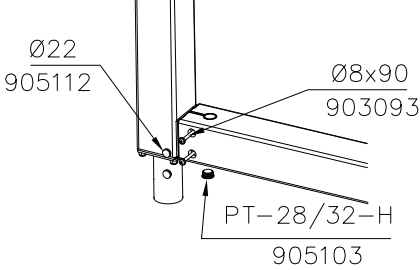
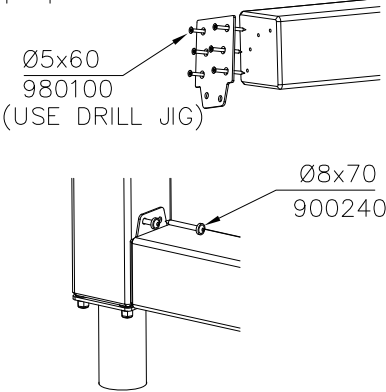
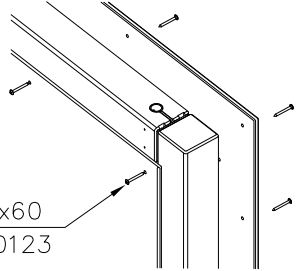
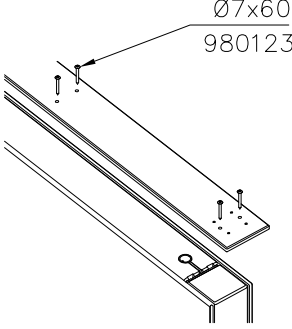
FOOT OPTIONS

709261+		709262+	
910267	PCS	910567	PCS
SURFACE	3	CONCRETE	3
			
152x200x200		117x117x715	

----- Falling Space 13.8 m2
Max Falling Height 650 mm





DET 1 	DET 2  Ø8x70 900240 (USE DRILL JIG)	DET 3  Ø22 905112 Ø8x90 903093 PT-28/32-H 905103
DET 4  Ø5x60 980100 (USE DRILL JIG) Ø8x70 900240	DET 5  Ø7x60 980123	DET 6  Ø7x60 980123

JIG DET A (USE DET 2–4)

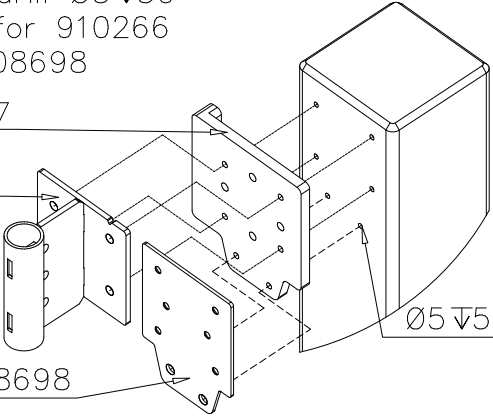
NOTE:
Use drill jig 708857
to predrill Ø5▽50
holes for 910266
and 908698

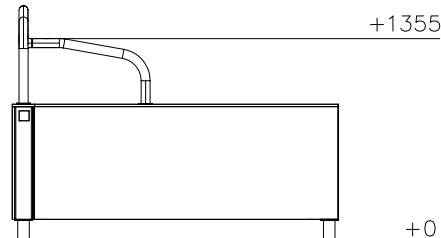
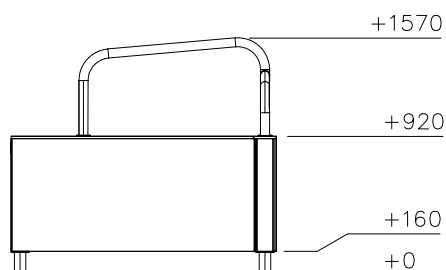
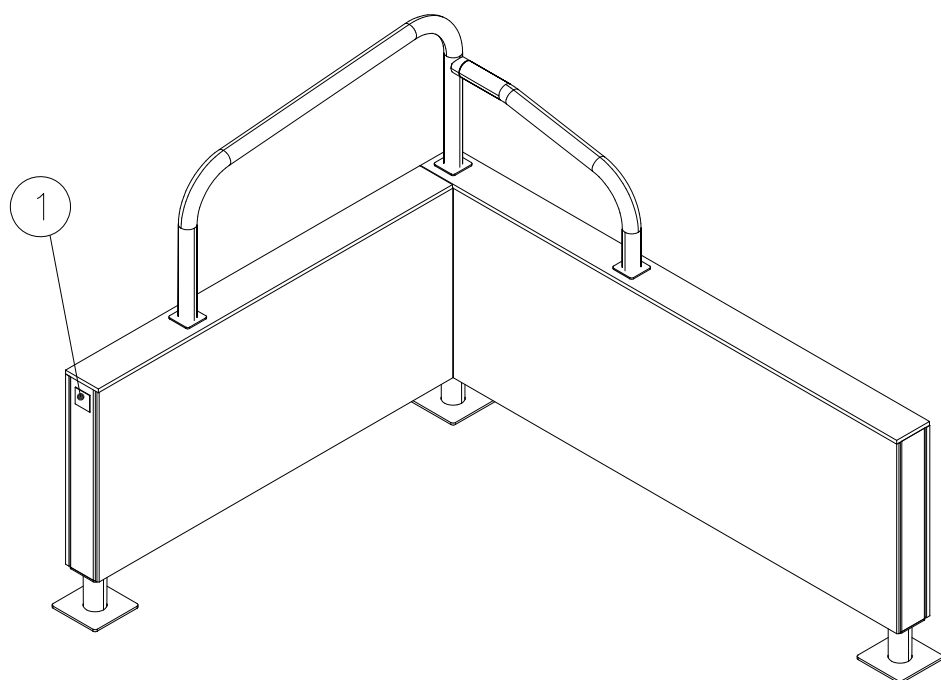
708857

910266

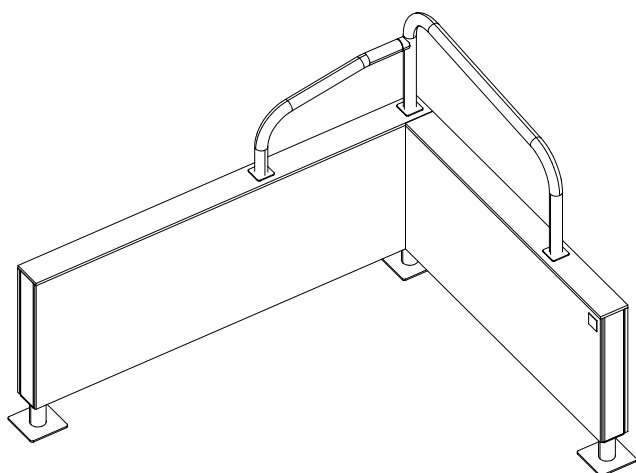
908698

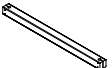
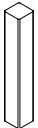
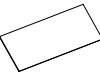
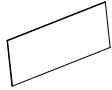
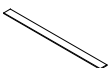
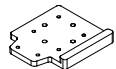
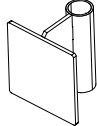
Ø5▽50

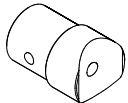




INSTALLATION OF A SECOND HAND



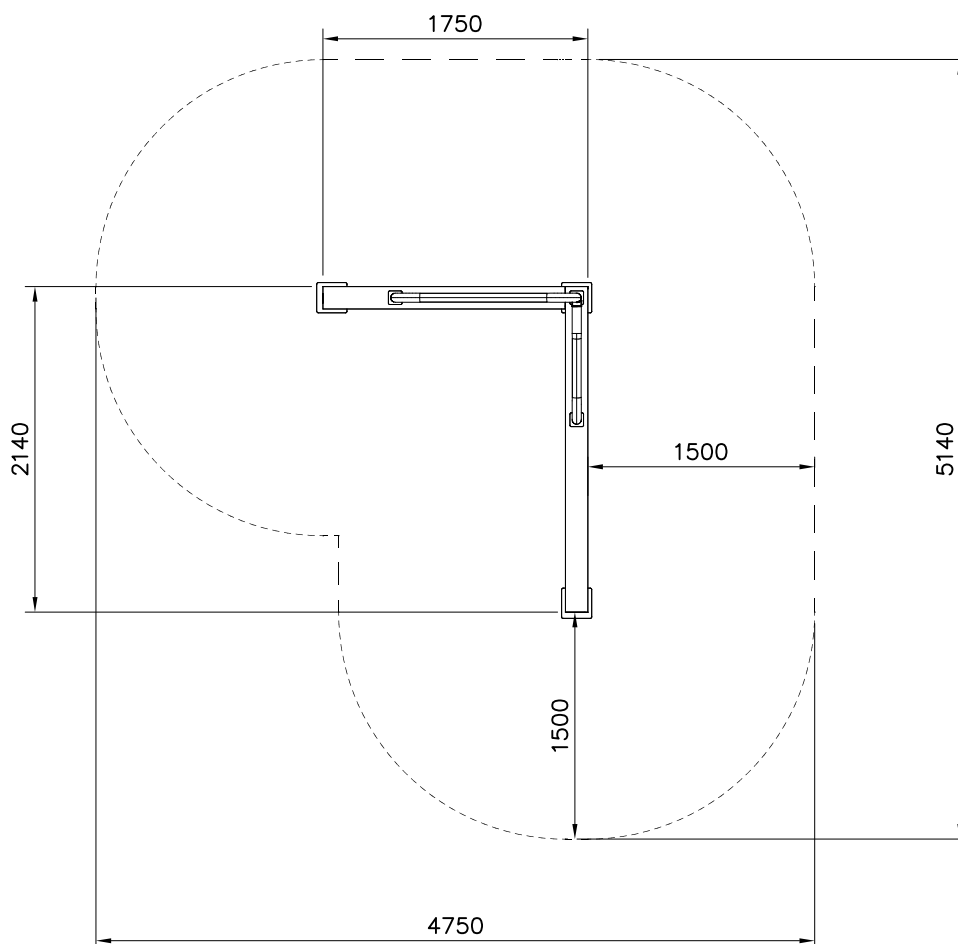
① 702286	PCS	② 707213	PCS
	1		2
65x65		118x118x1490	
③ 707517	PCS	④ 708137	PCS
	2		3
118x118x1892		118x118x745	
⑤ 712614	PCS	⑥ 712613	PCS
	1		1
16x745x2140		16x745x1753	
⑦ 712627	PCS	⑧ 712628	PCS
	1		1
16x148x1601		16x148x2153	
⑨ 708857 JIG	PCS	⑩ 911309 COLOR	PCS
	1		1
20x133x149		12x745x2015	
⑪ 911311 MURAL	PCS	⑫ 900240	PCS
	1		32
12x745x1610		Ø8x70	
⑬ 903093	PCS	⑭ 905103	PCS
	28		8
Ø8x90		PT-28/32-H	
⑮ 905112	PCS	⑯ 910266	PCS
	16		8
Ø22		90x108x118	
		⑰ 980123	PCS
			54
		Ø7x60	

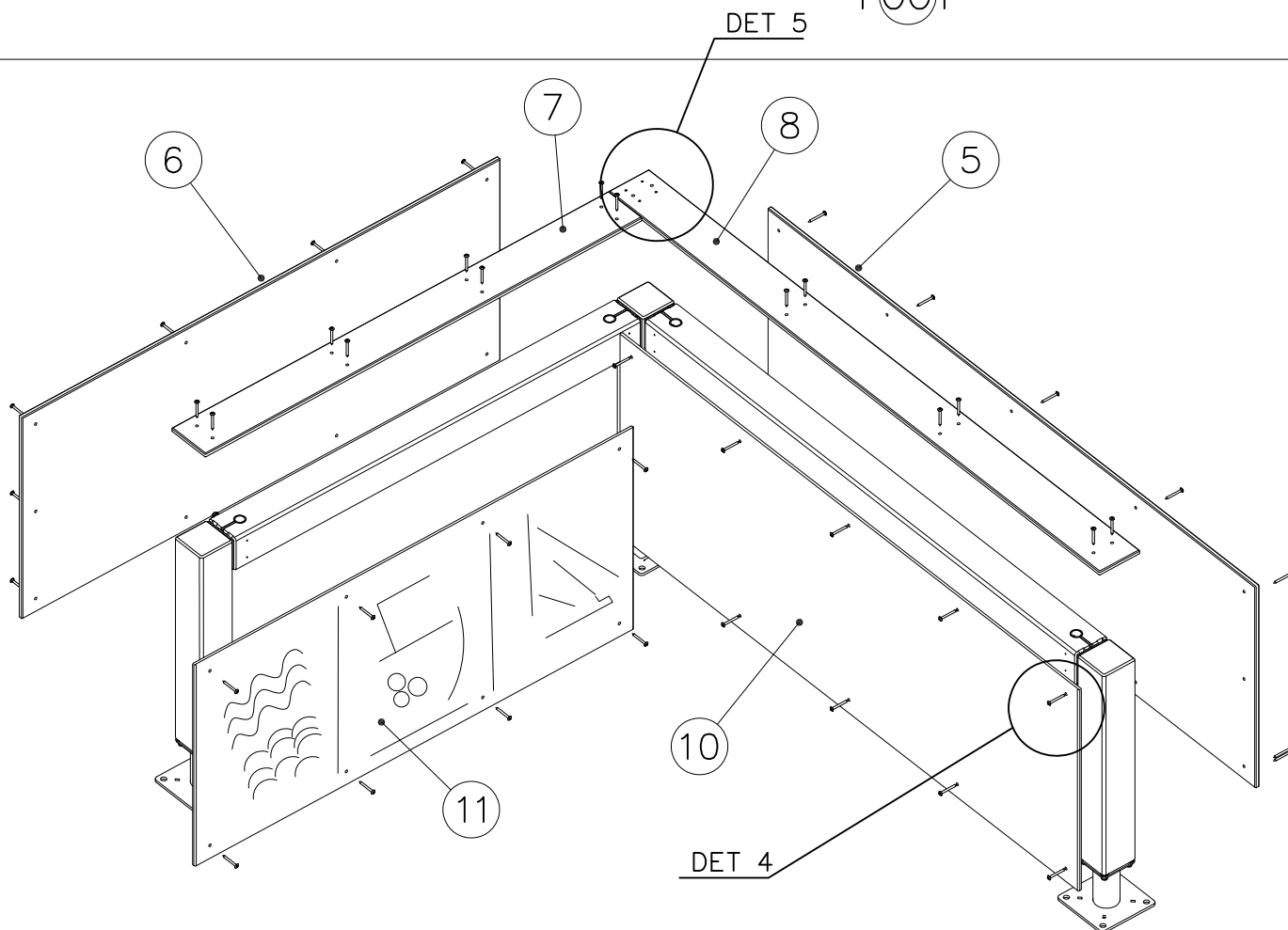
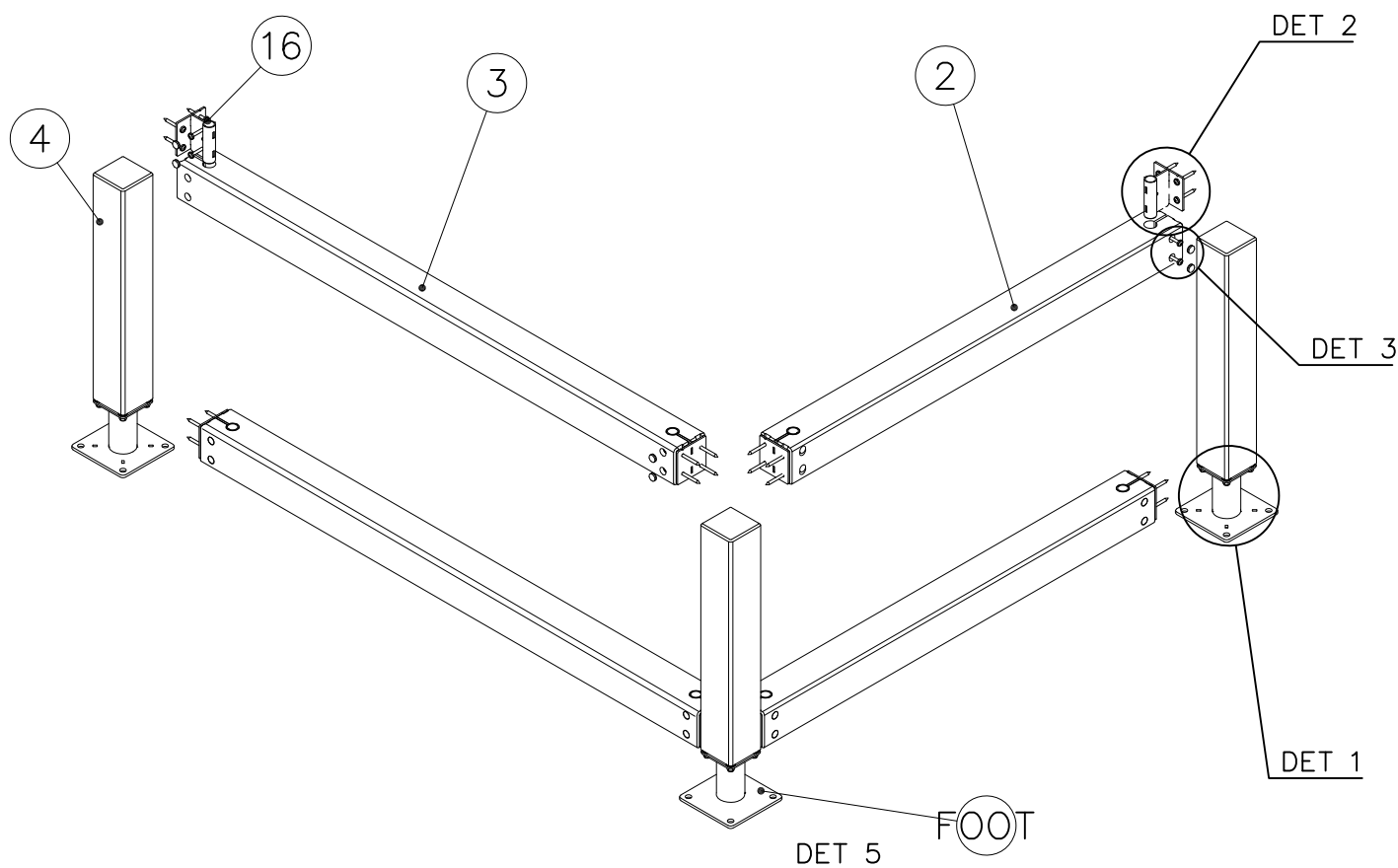
18	900965	PCS	1	19	903533	PCS	4	20	904133	PCS	1	21	908069	PCS	1	22	909111	PCS	1	23	909248	PCS	1	24	980114	PCS	4
																											
M10				SRL12				M10x80				Ø60x87.6				M12x100				M12				Ø4x20			

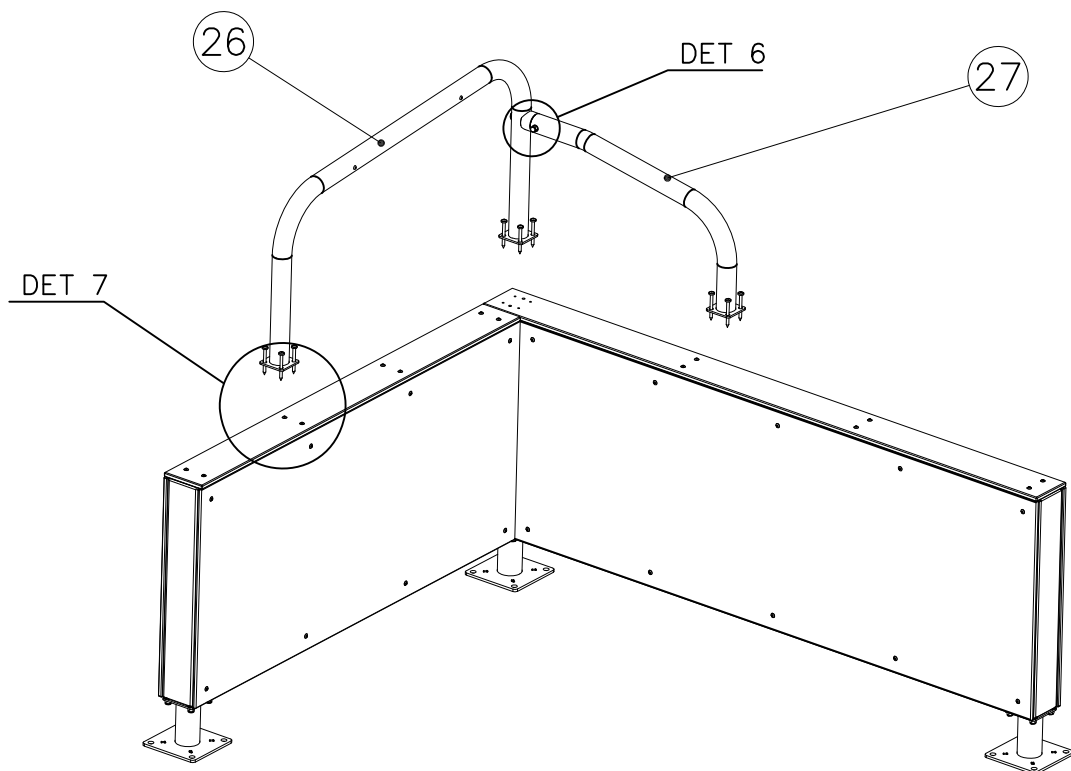
25	909638	PCS	4	26	910254	PCS	1	27	910262	PCS	1	28	980154	PCS	1	FOOT OPTIONS									
																709261+ 709262+									
Ø20/10.5				Ø60x650x1290				Ø60x435x795				Ø24/13				910330 SURFACE  910567 CONCRETE 									

----- Falling Space 18.8 m²
Max Falling Height 1570 mm

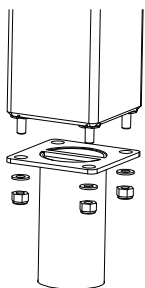
1:50
0 2



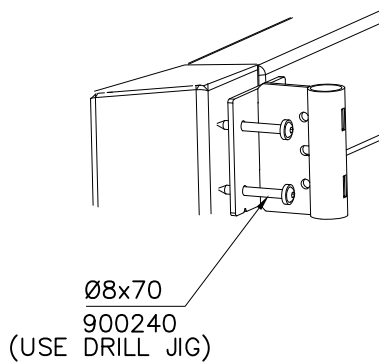




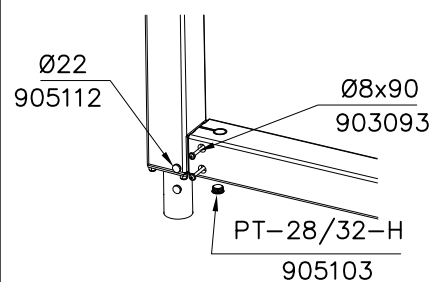
DET 1



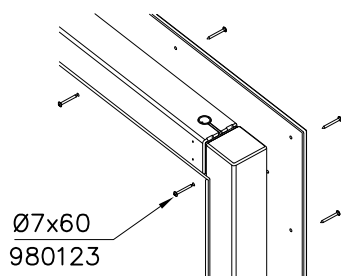
DET 2



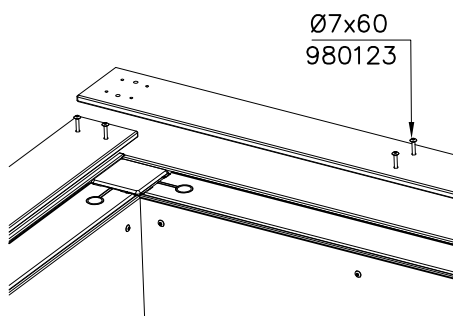
DET 3



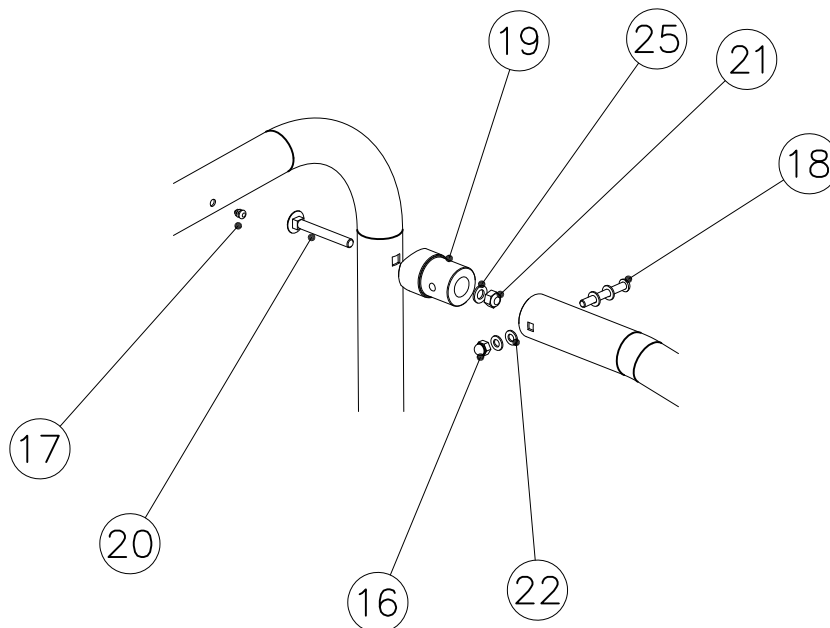
DET 4



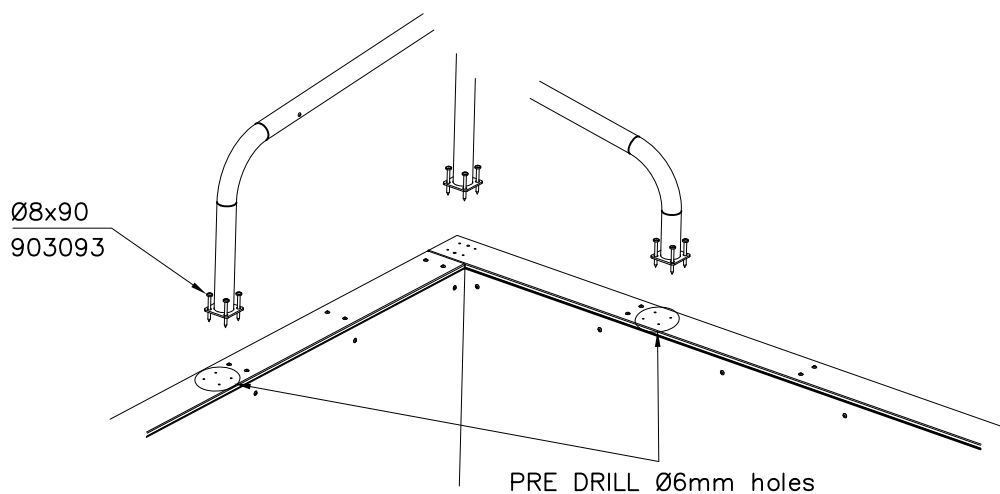
DET 5



DET 6

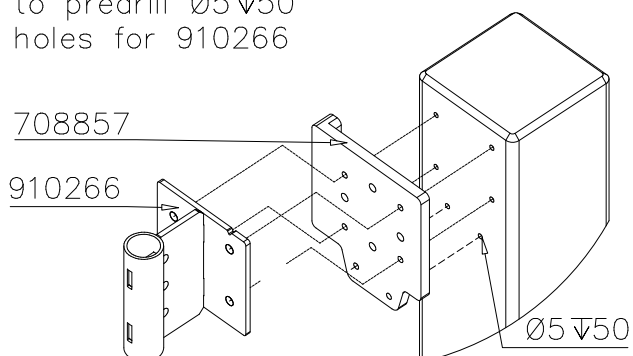


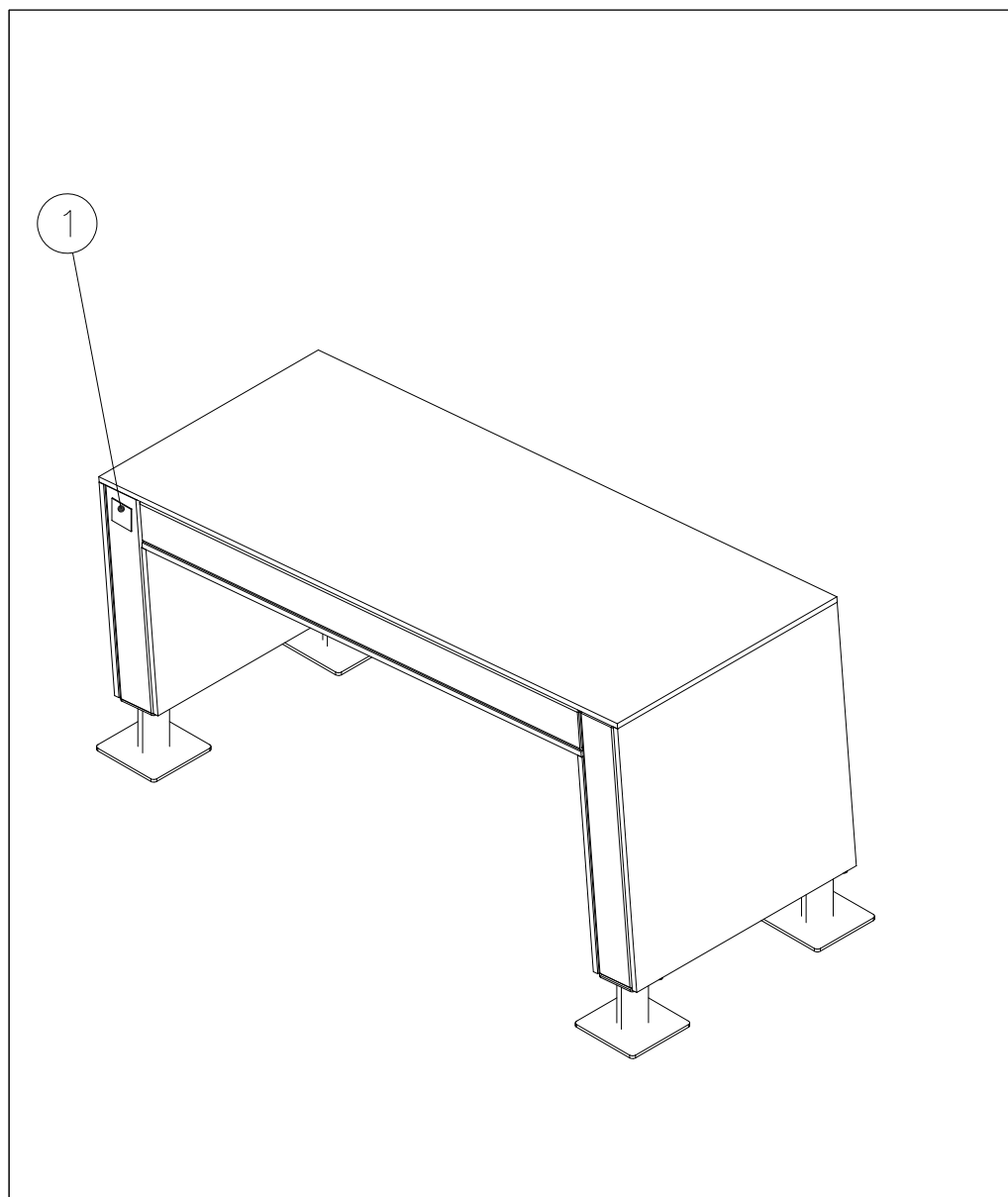
DET 7

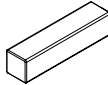
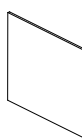
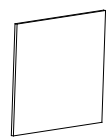
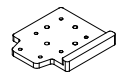
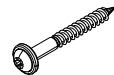
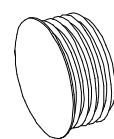
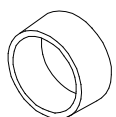


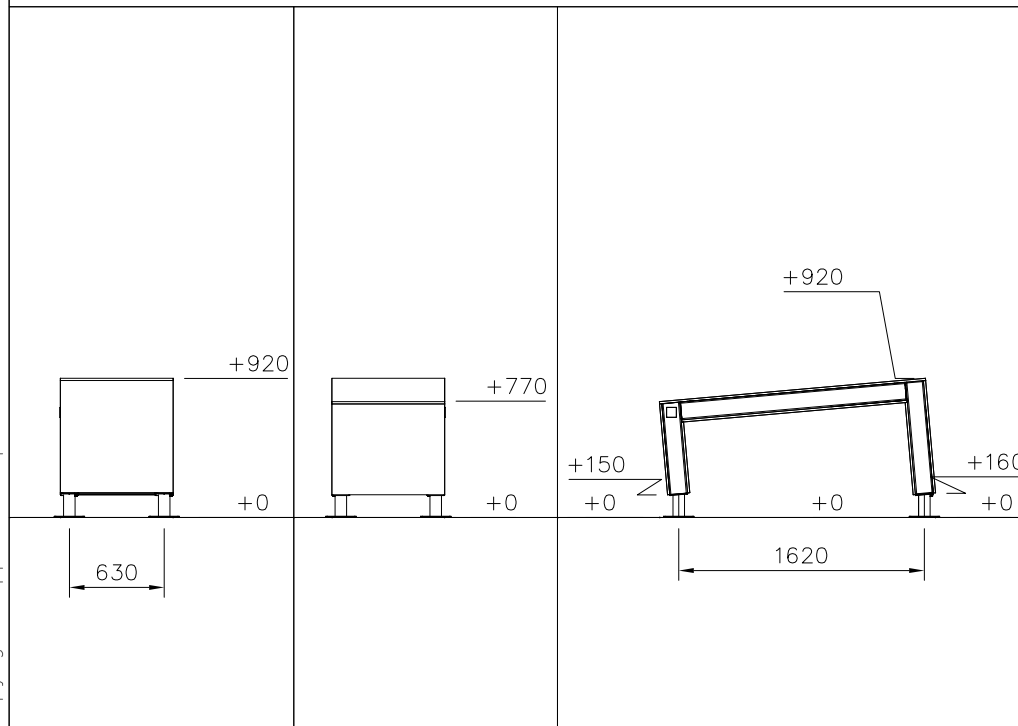
JIG DET A (USE DET 2)

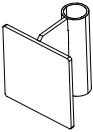
NOTE:
Use drill jig 708857
to predrill Ø5 ∇ 50
holes for 910266



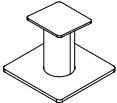


① 702286	PCS	② 707210	PCS
	1		4
65x65		118x118x503	
③ 707213	PCS	④ 708127	PCS
	2		2
118x118x1490		118x118x603	
⑤ 708137	PCS	⑥ 713176	PCS
	2		1
118x118x745		16x745x1766	
⑦ 712608	PCS	⑧ 712607	PCS
	1		1
16x603x745		16x745x745	
⑨ 708834	PCS	⑩ 708835	PCS
	1		1
16x745x469		16x745x611	
⑪ 708857 JIG	PCS	⑫ 709204	PCS
	1		1
20x133x149		15x745x1495	
⑬ 900240	PCS	⑭ 903093	PCS
	32		8
Ø8x70		Ø8x90	
⑮ 905103	PCS	⑯ 905112	PCS
	8		8
PT-28/32-H		Ø22	

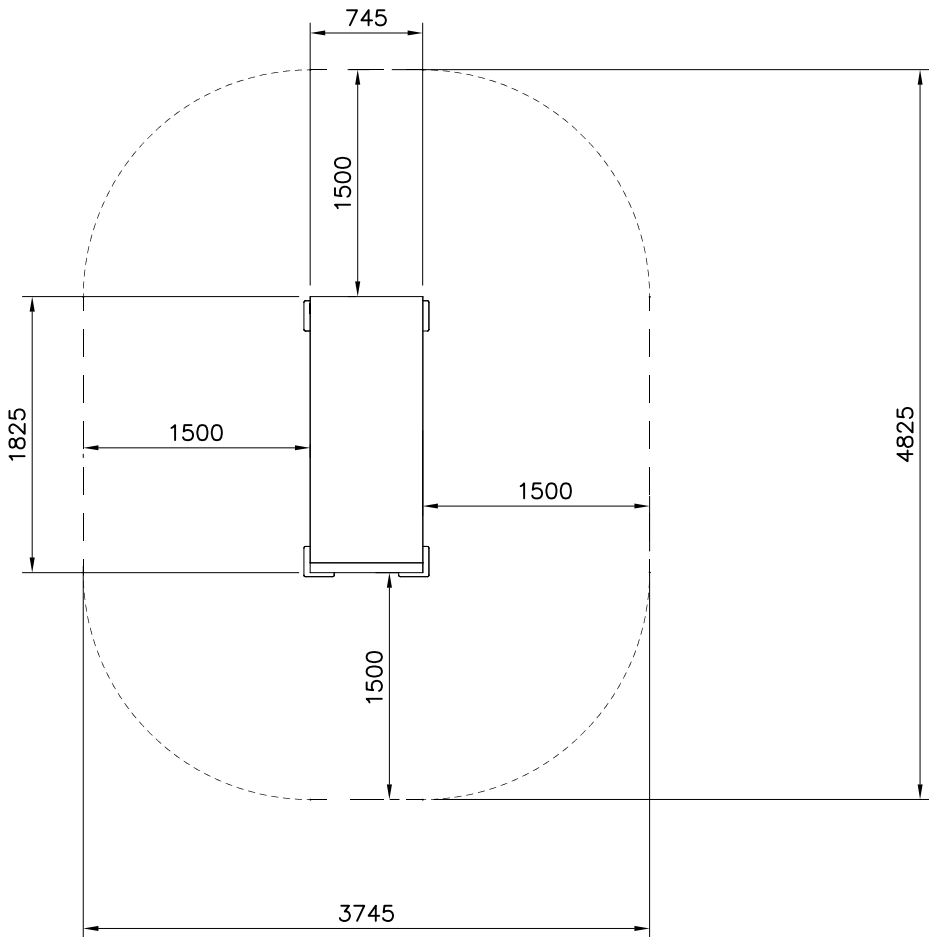
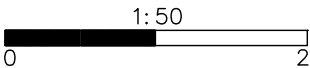


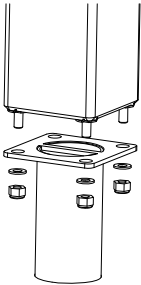
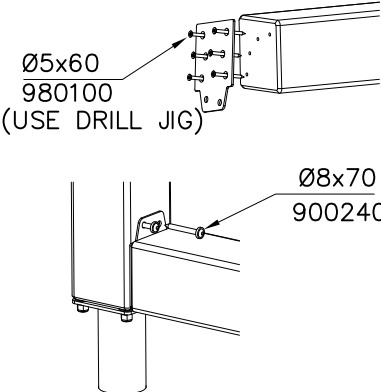
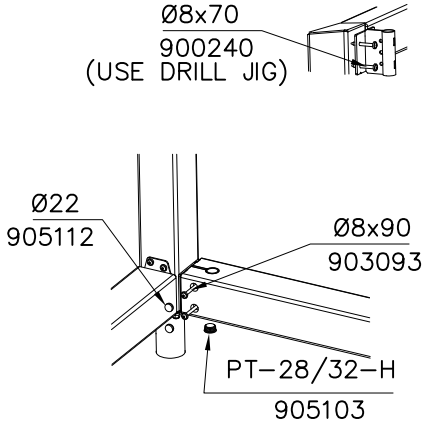
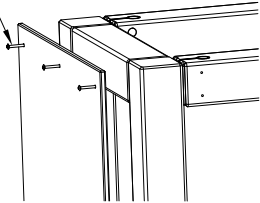
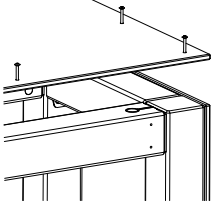
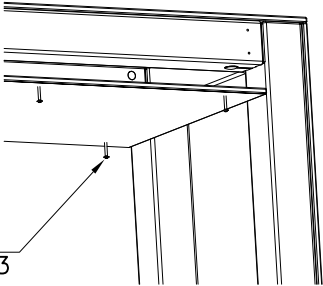
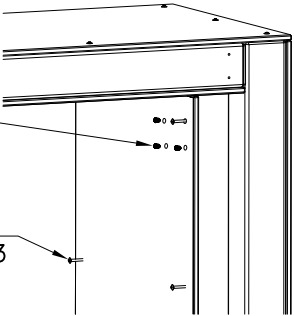
⑰ 908698	PCS	⑱ 910266	PCS	⑲ 980114	PCS	⑳ 980100	PCS	㉑ 980123	PCS		PCS		PCS
	8		4		4		48		38				
3x114x108		90x108x118		Ø4x20		Ø5x60		Ø7x60					
	PCS		PCS		PCS								

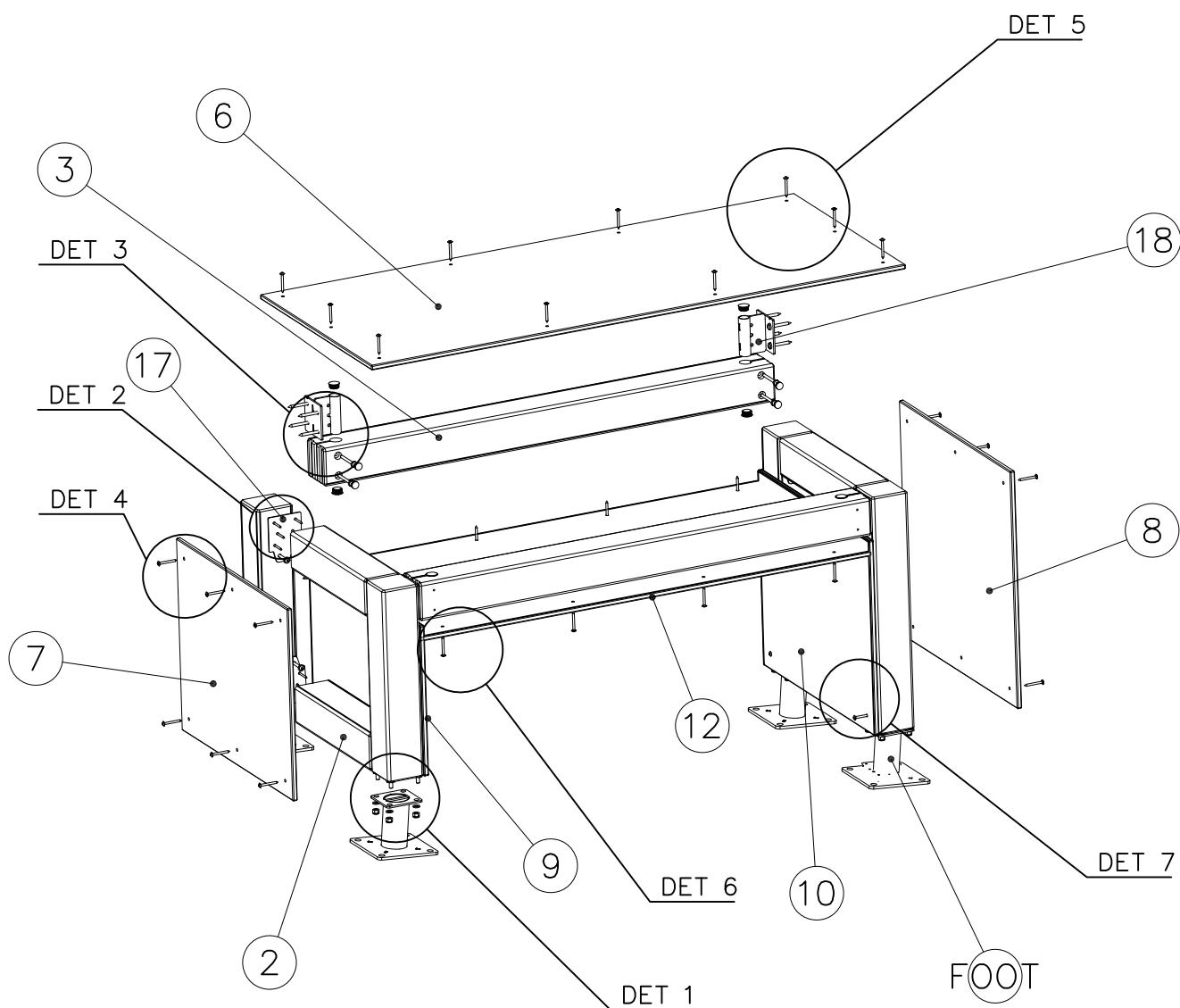
FOOT OPTIONS

709261+		709262+	
○ 910267	PCS	○ 910567	PCS
SURFACE	4	CONCRETE	4
			
152x200x200		117x117x715	

----- Falling Space 16.1 m2
Max Falling Height 920 mm



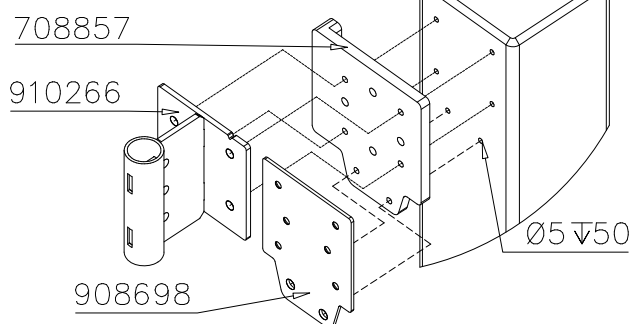
DET 1 	DET 2  Ø5x60 980100 (USE DRILL JIG) Ø8x70 900240	DET 3  Ø8x70 900240 (USE DRILL JIG) Ø22 905112 Ø8x90 903093 PT-28/32-H 905103
DET 4  Ø7x60 980123	DET 5  Ø7x60 980123	DET 6  Ø7x60 980123
DET 7  SRL12 903533 Ø7x60 980123		

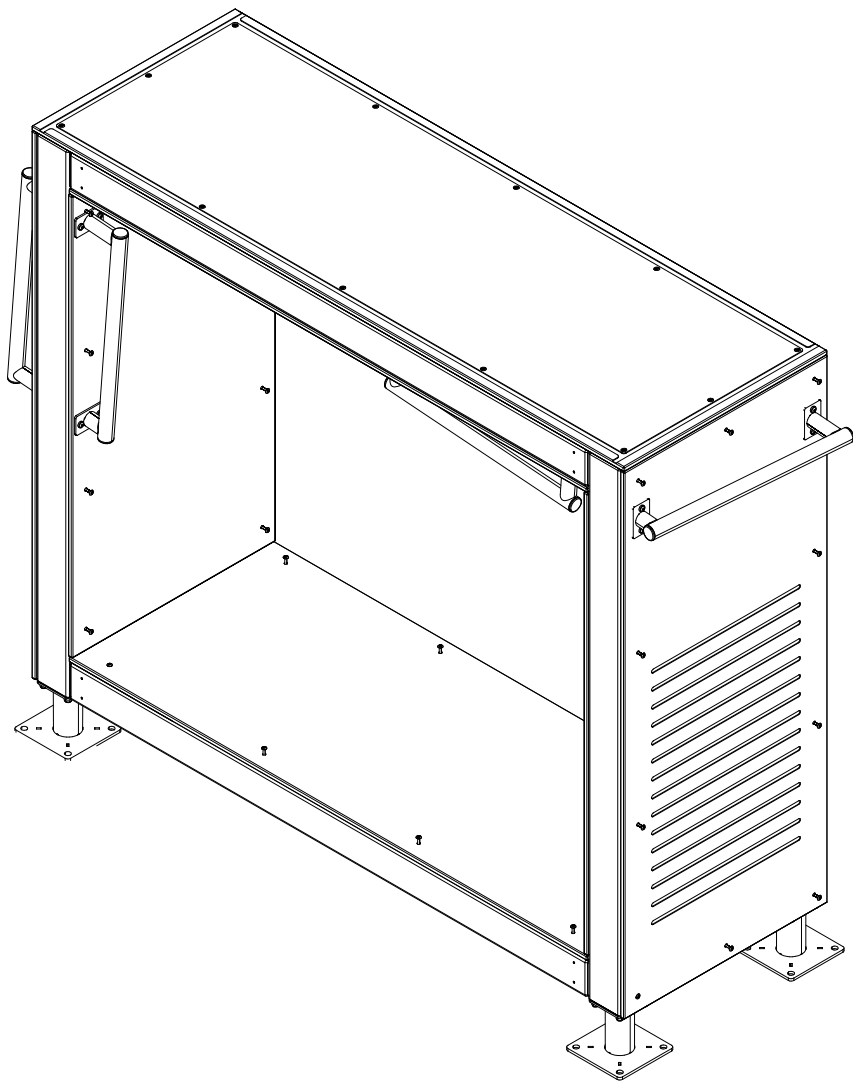


JIG DET A (USE DET 2-3)

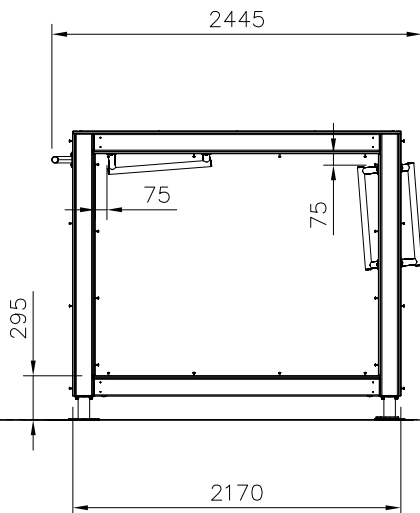
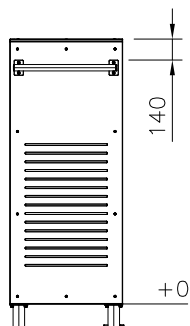
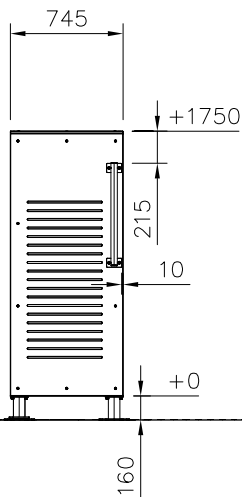
NOTE:

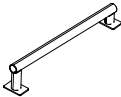
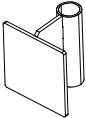
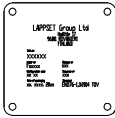
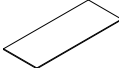
Use drill jig 708857
to predrill Ø5▽50
holes for 910266
and 908698



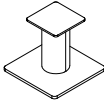
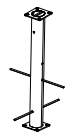


① 707210	PCS 4	② 707517	PCS 4
118x118x503		118x118x1892	
③ 708346	PCS 4	④ 712630	PCS 1
118x118x1736		16x745x1736	
⑤ 712631	PCS 1	⑥ 712633	PCS 1
16x745x2168		16x745x1897	
⑦ 708857 JIG	PCS 1	⑧ 911288 COLOR	PCS 2
20x133x149		15x745x1465	
⑨ 911289 COLOR	PCS 1	⑩ 980114	PCS 4
15x745x1897		Ø4x20	
⑪ 900240	PCS 64	⑫ 903093	PCS 16
Ø8x70		Ø8x90	
⑬ 905103	PCS 8	⑭ 905112	PCS 16
PT-28/32-H		Ø22	
⑮ 908371	PCS 8	⑯ 908698	PCS 8
42-38/40		3x114x108	

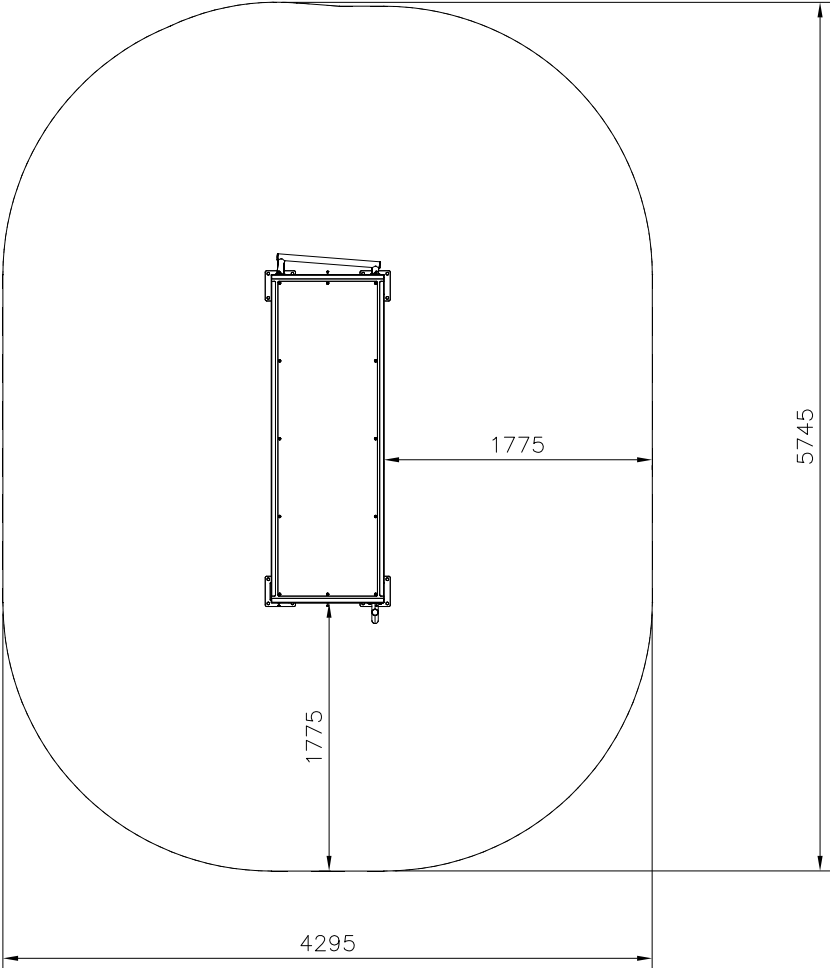


17	910056	PCS	18	910266	PCS	19	980100	PCS	20	980123	PCS	21	702286	PCS	22	713170	PCS			PCS
		4			8			48			65			1			1			
140x690			90x108x118			Ø5x60			Ø7x60			65x65			16x745x1736					

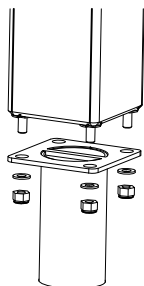
FOOT OPTIONS

709261+		709262+	
☐ 910330	PCS	☐ 910567	PCS
SURFACE	4	CONCRETE	4
			
152x200x200		117x117x715	

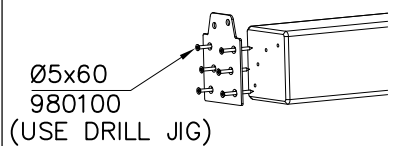
- EN Impact Attenuating Surface (IAS) 21.9 m2
- Falling Space 21.9 m2
- Max Falling Height 1910 mm



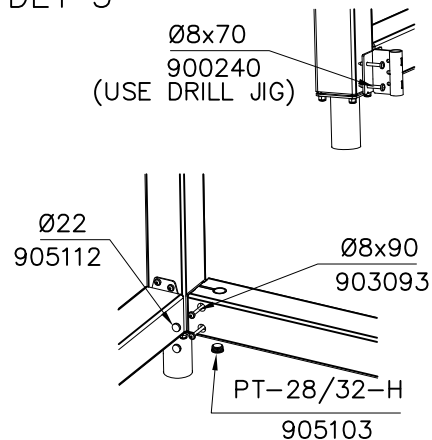
DET 1



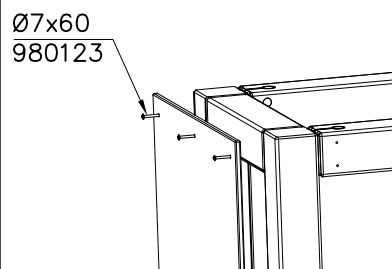
DET 2



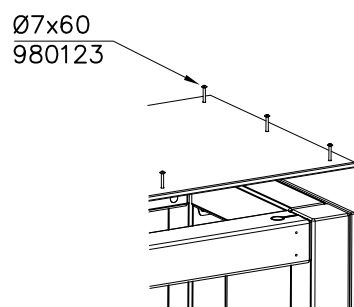
DET 3



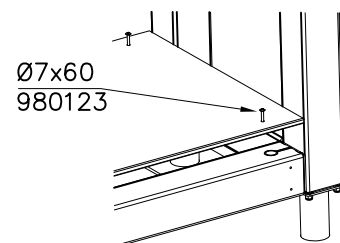
DET 4



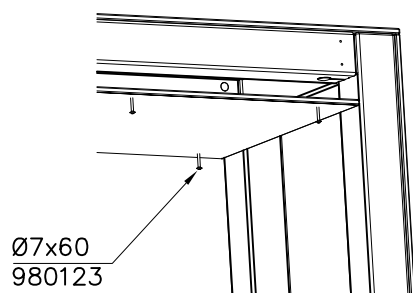
DET 5



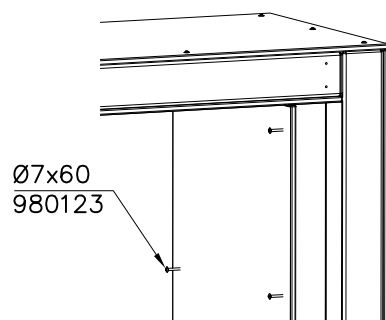
DET 6



DET 7

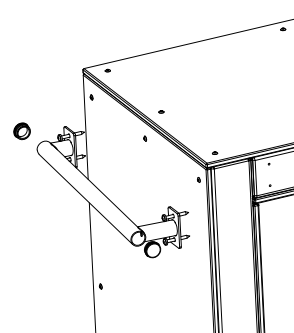
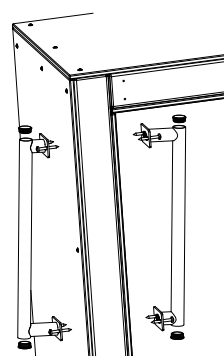
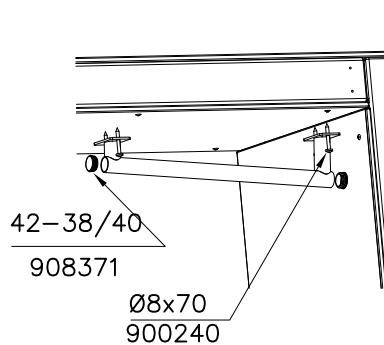


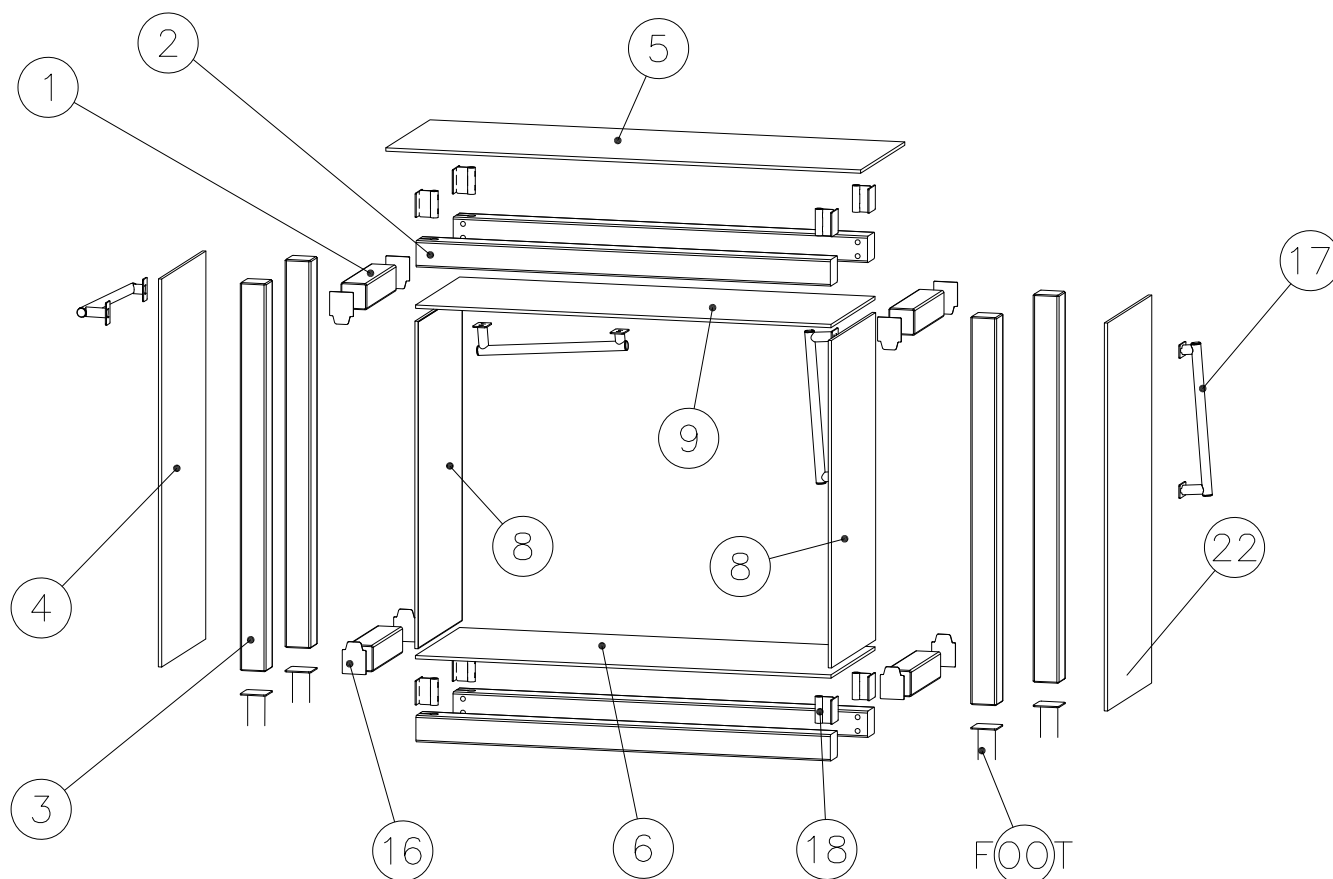
DET 8



DET 9

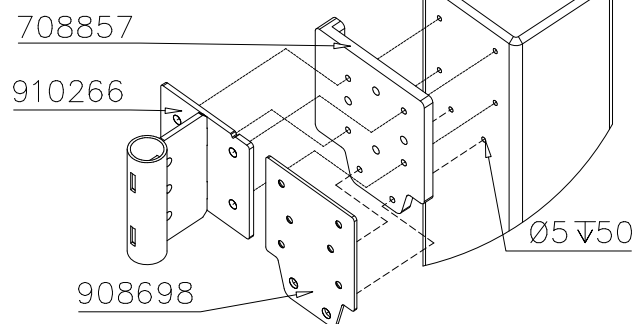
DRILL PREHOLES BEFORE INSTALLING HANDLES



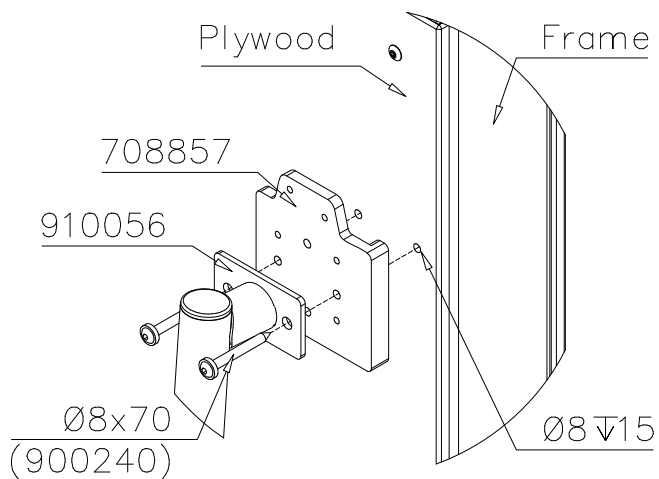


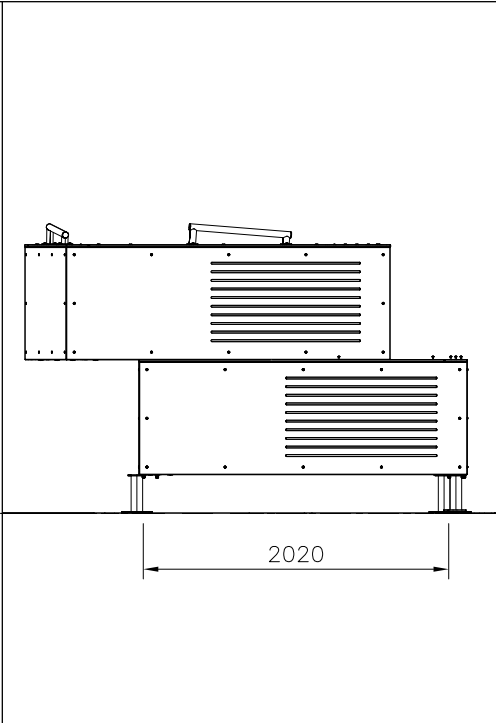
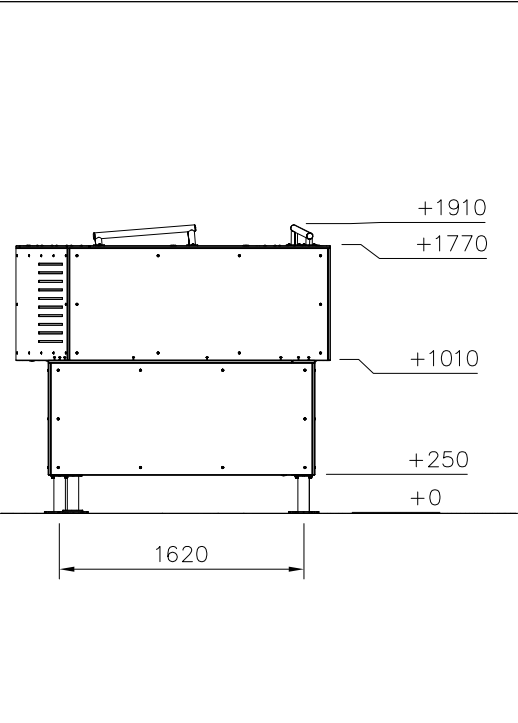
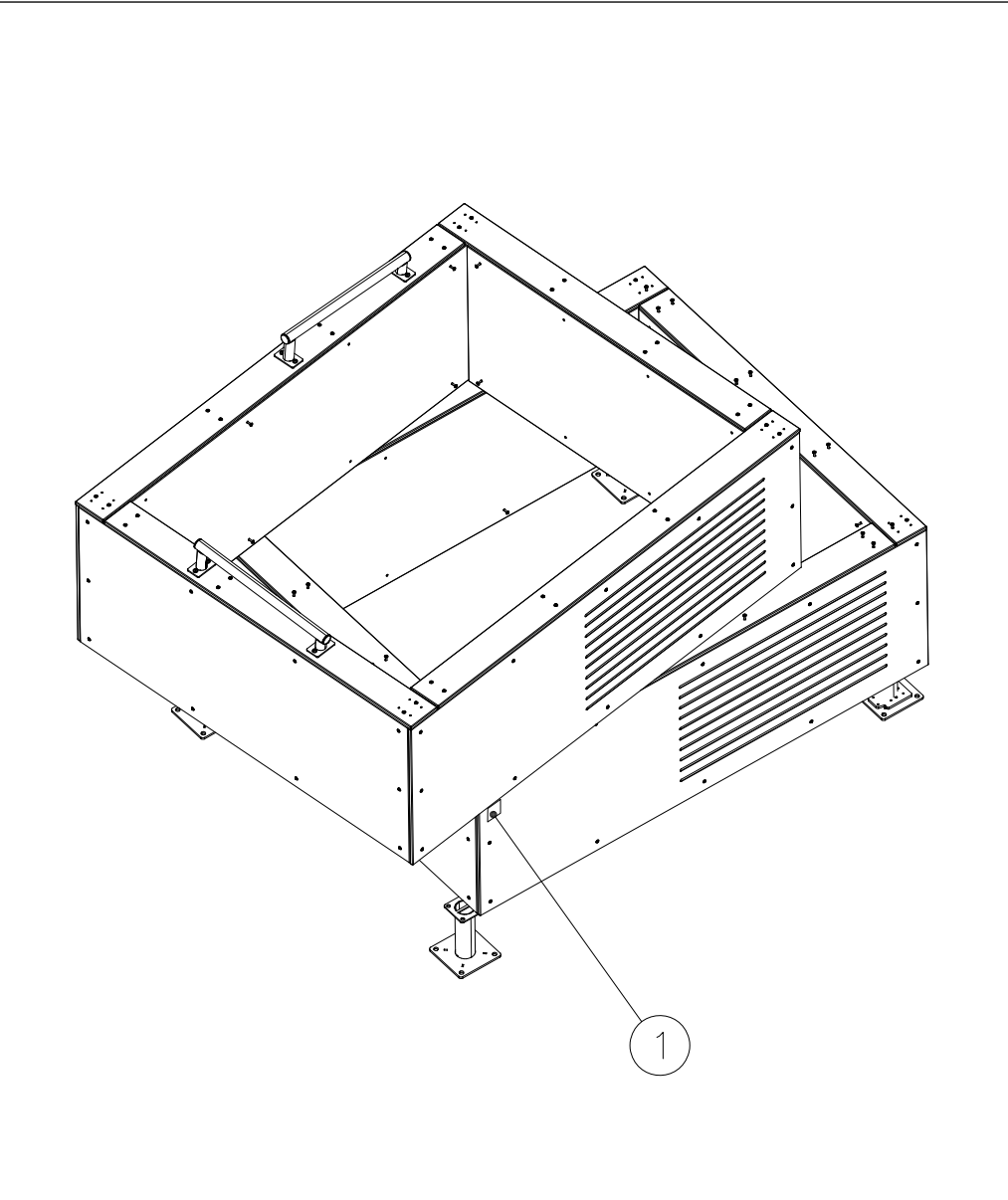
JIG DET A (USE DET 2-3)

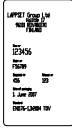
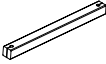
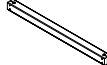
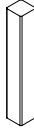
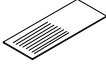
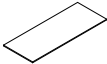
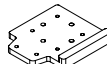
NOTE:
Use drill jig 708857
to predrill Ø5▽50
holes for 910266
and 908698



JIG DET B (USE DET 9)





① 702341	PCS	② 707213	PCS
	1		8
90x50		118x118x1490	
③ 707517	PCS	④ 708137	PCS
	8		4
118x118x1892		118x118x745	
⑤ 713175	PCS	⑥ 713173	PCS
	4		4
16x745x1736		16x745x2168	
⑦ 712633	PCS	⑧ 712634	PCS
	2		4
16x745x1889		16x148x2018	
⑨ 712635	PCS	⑩ 708857 JIG	PCS
	4		1
16x148x1616		20x133x149	
⑪ 911288 COLOR	PCS	⑫ 911289	PCS
	4		2
15x745x1465		15x745x1897	
⑬ 910056	PCS	⑭ 980123	PCS
	2		216
140x690		Ø7x60	
⑮ 900240	PCS	⑯ 903093	PCS
	128		72
Ø8x70		Ø8x90	

DET 1

FIRST FLOOR

NOTE:
Use drill jig 708857
to predrill Ø5 √50
holes for 910266

Ø8x70
900240

Ø22
905112

Ø8x90
903093

PT-28/32-H
905103

FOOT

708857

910266

Ø5 √50

DET 2

11

Ø7x60
980123

12

7

DET 3

Install this once you have installed
second floor on top of it !

8

9

Ø7x60
980123

5

6

Install this once you have installed
second floor on top of it !

DET 4

SECOND FLOOR

NOTE:
Use drill jig 708857
to predrill $\varnothing 5 \nabla 50$
holes for 910266

Ø8x70
900240

Ø22
905112

Ø8x90
903093

PT-28/32-H
905103

708857

910266

Ø5 ∇50

DET 5

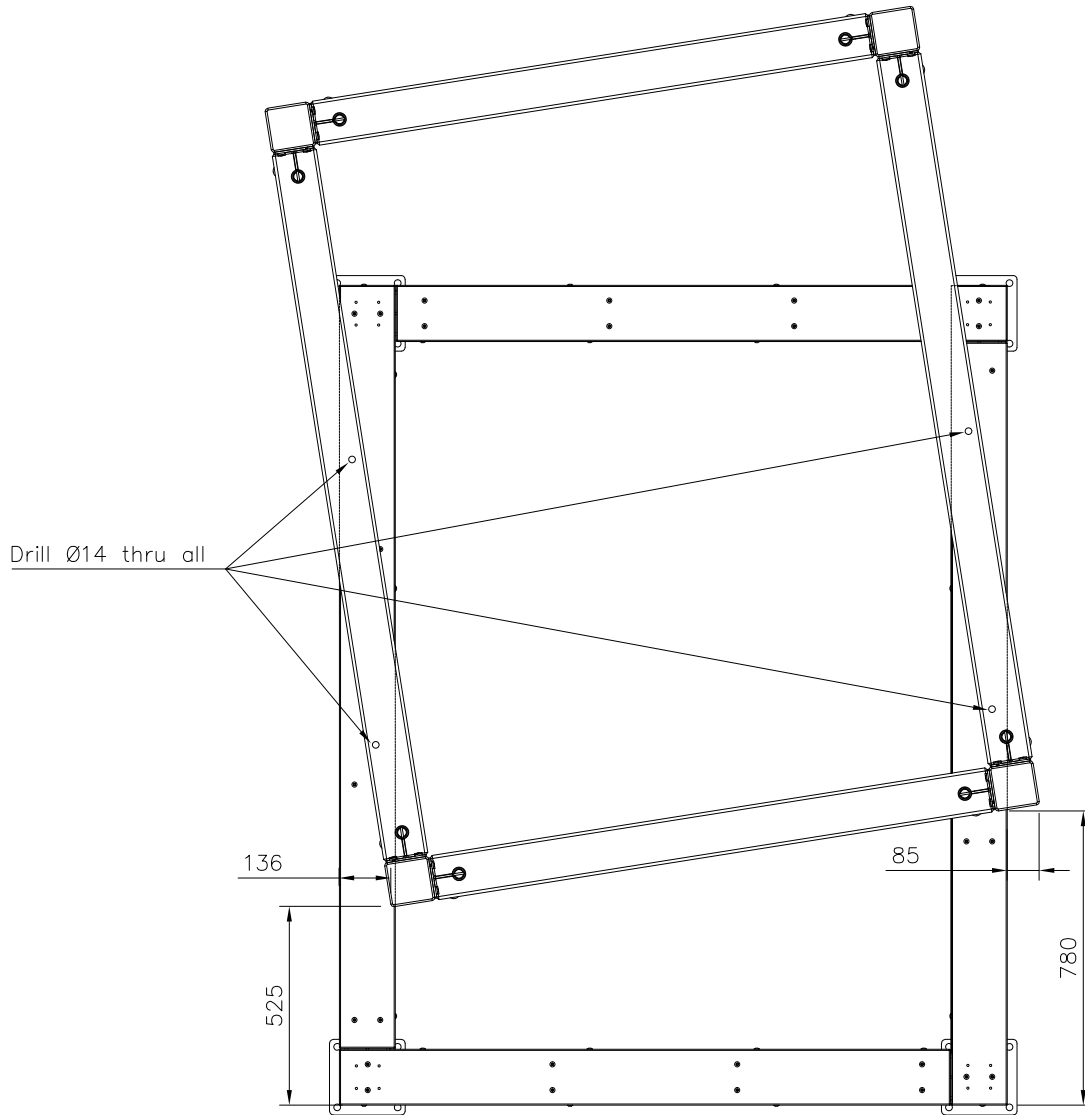
Ø44/13.5x3.9
905086

M12x280
909132

M120
909248

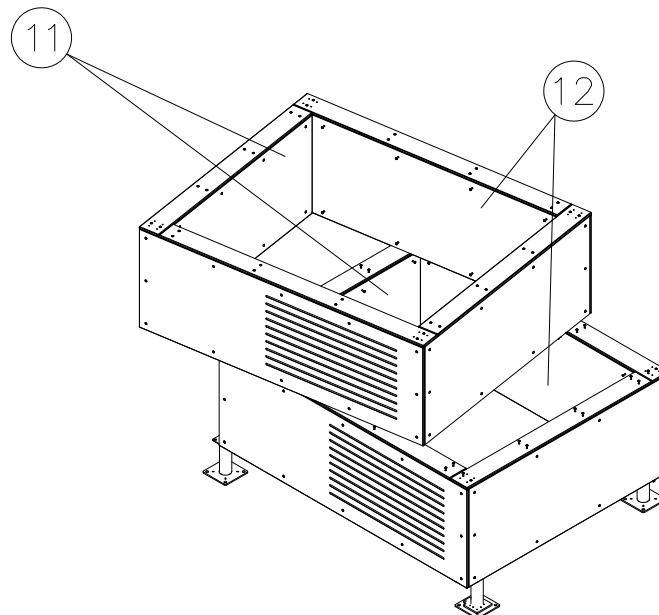
Drill $\varnothing 14$ thru all

DET 6

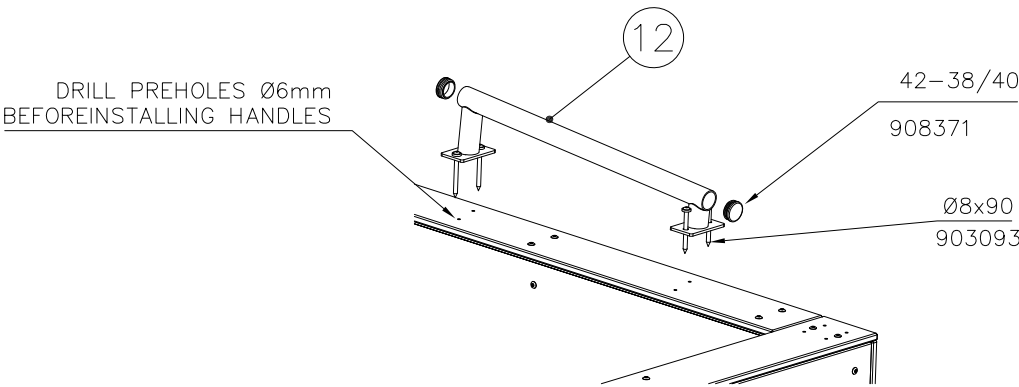


DET 7

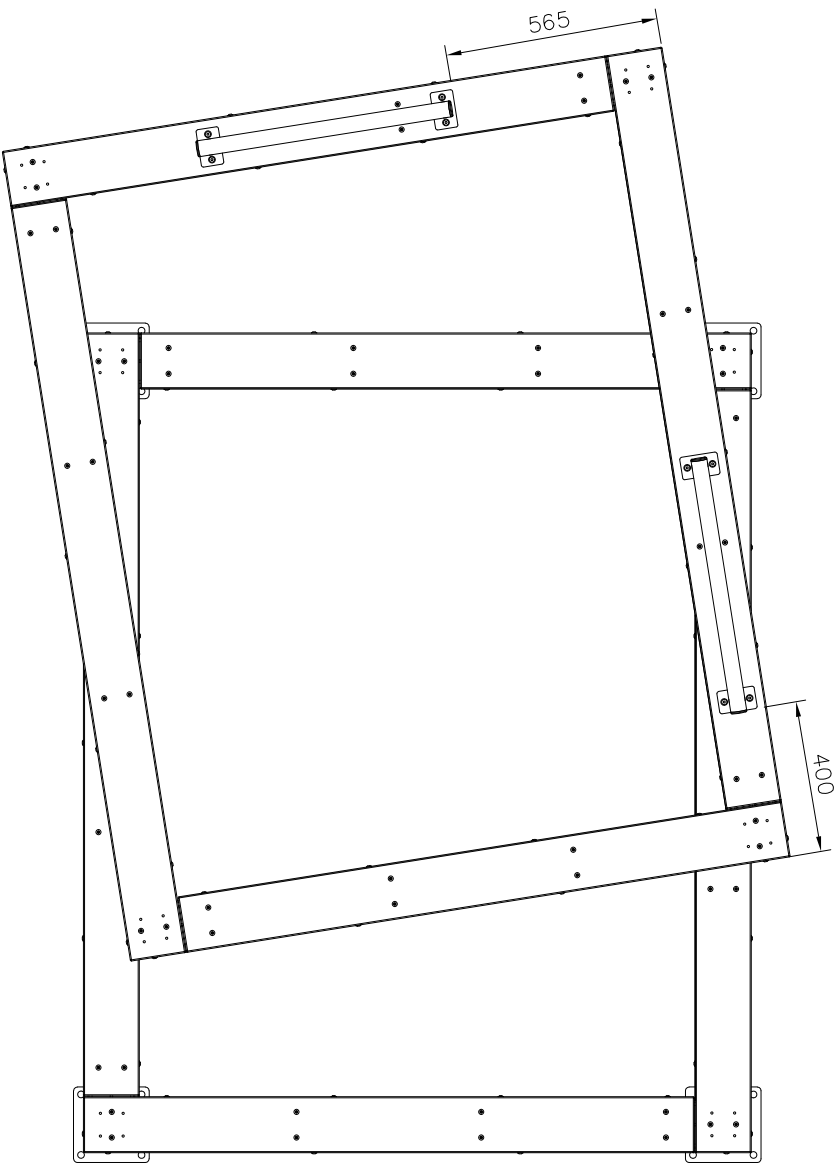
Install all plates

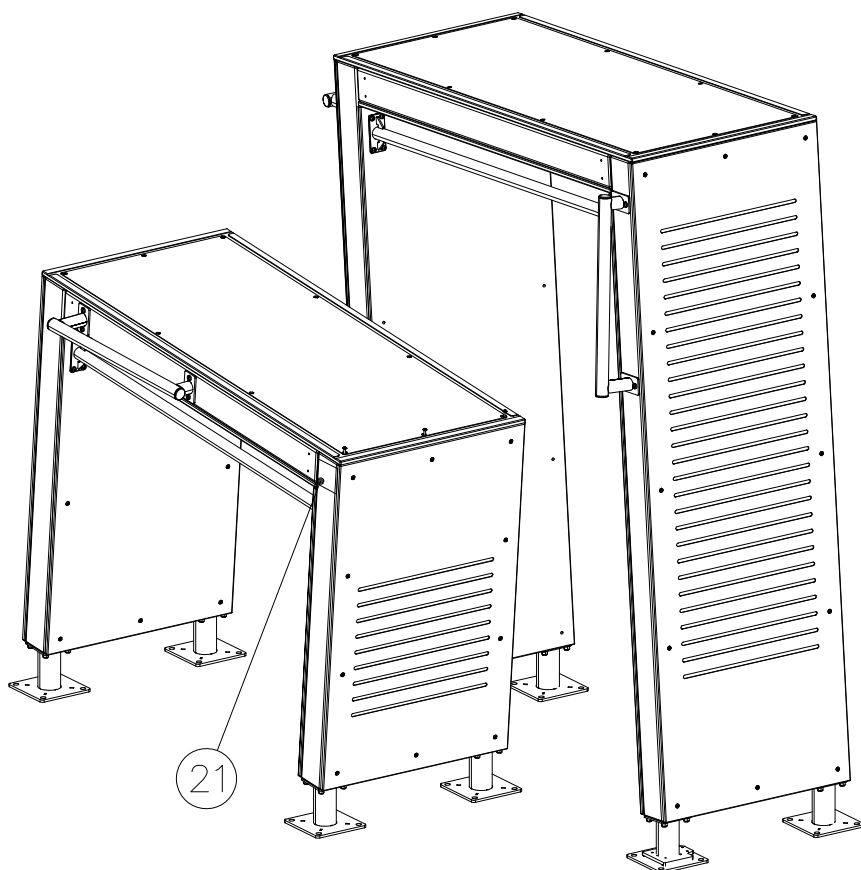


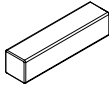
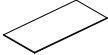
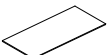
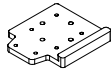
DET 8

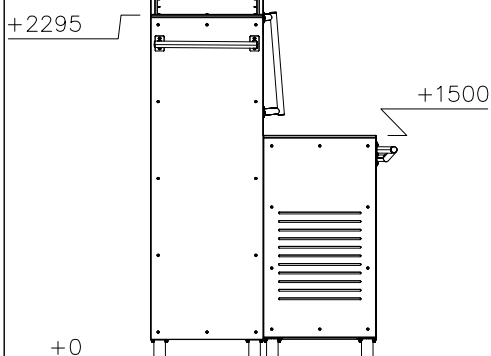
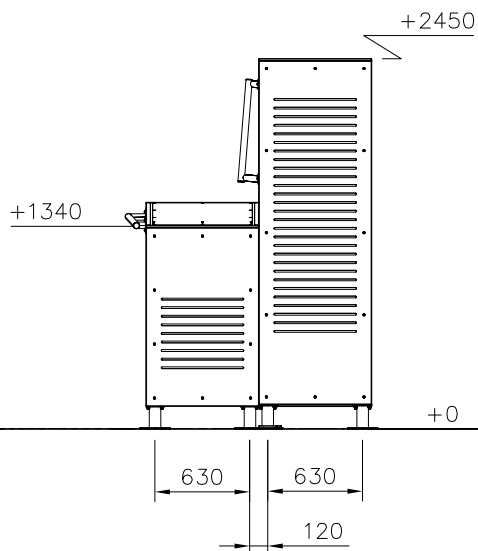


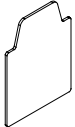
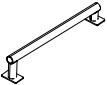
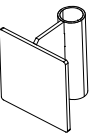
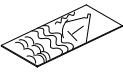
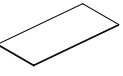
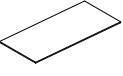
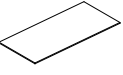
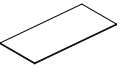
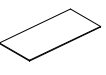
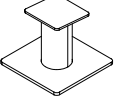
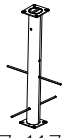
DET 9

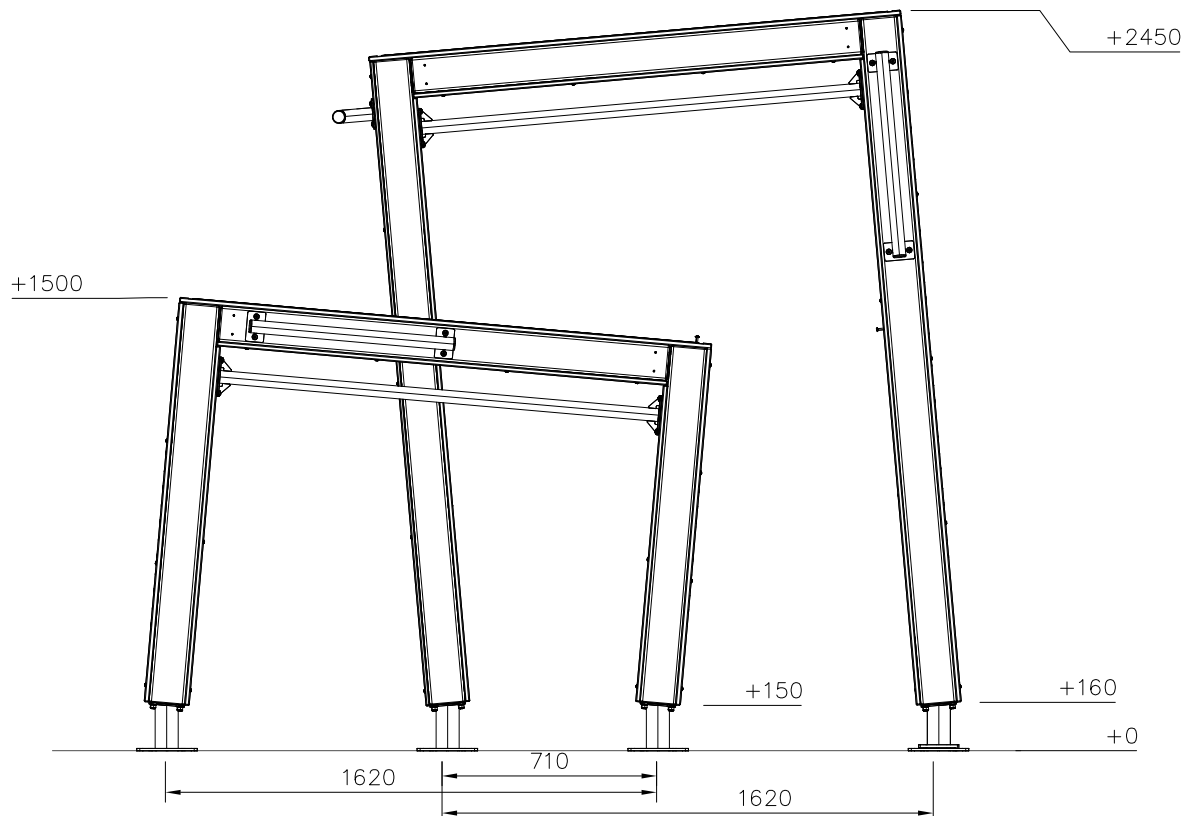




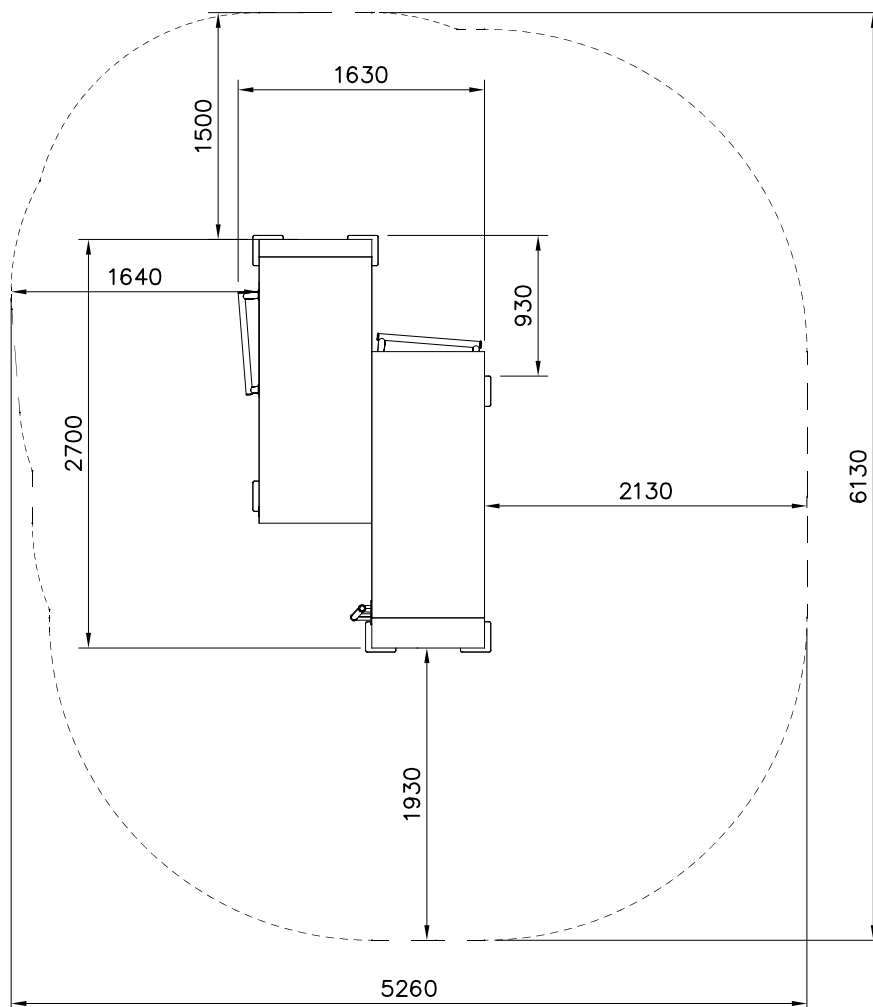
① 707210	PCS	② 707213	PCS
	8		4
118x118x503		118x118x1490	
③ 708042	PCS	④ 708125	PCS
	2		2
118x118x1185		118x118x1326	
⑤ 708522	PCS	⑥ 708688	PCS
	2		2
118x118x2139		118x118x2279	
⑦ 712612	PCS	⑧ 712611	PCS
	2		1
16x745x1766		16x745x2280	
⑨ 712610	PCS	⑩ 712609	PCS
	1		1
16x745x1185		16x745x1326	
⑪ 708857 JIG	PCS	⑫ 900240	PCS
	1		100
20x133x149		Ø8x70	
⑬ 903093	PCS	⑭ 903533	PCS
	16		6
Ø8x90		SRL12	
⑮ 905103	PCS	⑯ 905112	PCS
	16		16
PT-28/32-H		Ø22	



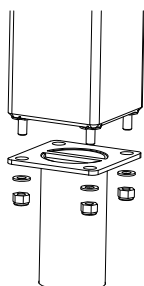
17 908371 PCS 6  42-38/40	18 908698 PCS 16  3x114x108	19 910056 PCS 3  140x690	20 910266 PCS 8  90x108x118	21 702286 PCS 1  65x65	22 910328 PCS 3  L 1466
23 980100 PCS 96  Ø5x60	24 980123 PCS 87  Ø7x60	25 911297 MURAL PCS 1  12x745x2140	26 911293 COLOR PCS 1  15x745x2145	27 911295 COLOR PCS 1  15x745x2004	28 911301 COLOR PCS 1  15x745x1495
29 911103 COLOR PCS 1  15x745x1495	30 911305 COLOR PCS 1  15x745x1192	31 911307 COLOR PCS 1  15x745x1050	32 905086 PCS 2  Ø44/13.5x3.9	33 909132 PCS 1  M12x280	34 909248 PCS 1  M12
35 980114 PCS 4  Ø4x20	FOOT OPTIONS 709261+ 709262+ 910267 SURFACE  152x200x200 910567 CONCRETE  117x117x715				



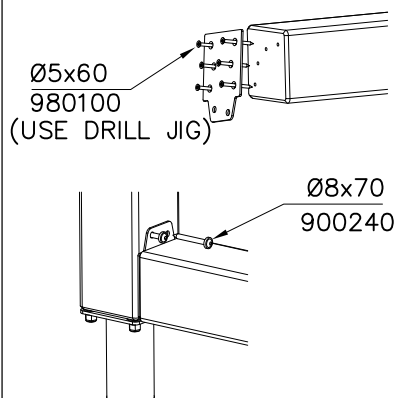
- EN Impact Attenuating Surface (IAS) 27.6 m²
 - - - Falling Space 27.6 m²
 Max Falling Height 2450 mm



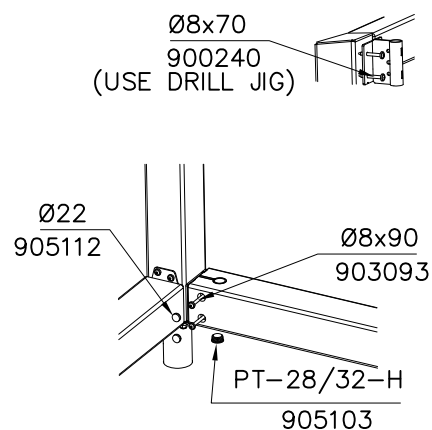
DET 1



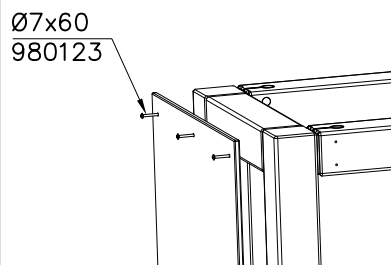
DET 2



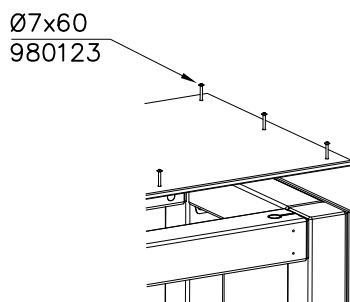
DET 3



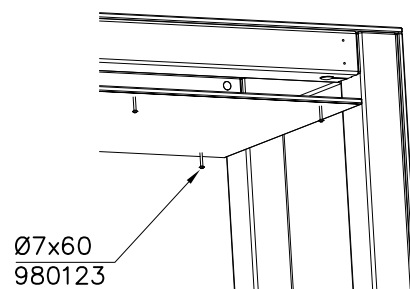
DET 4



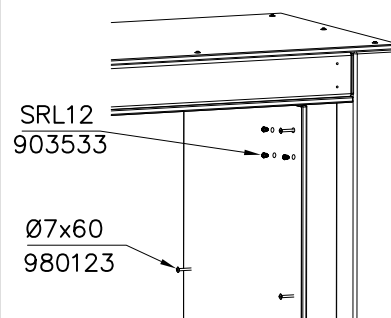
DET 5



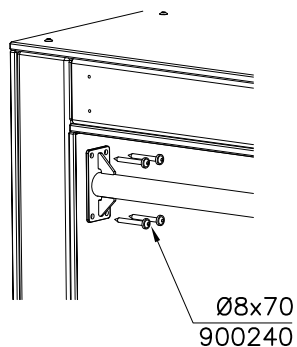
DET 6



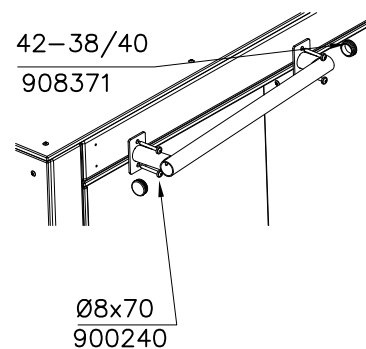
DET 7



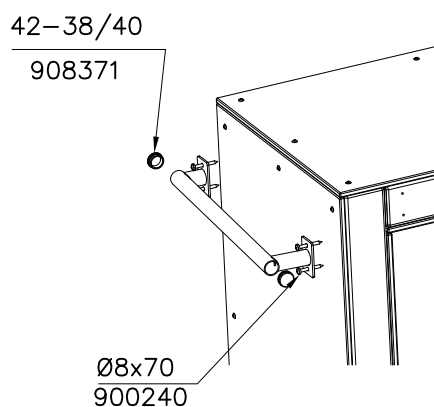
DET 8



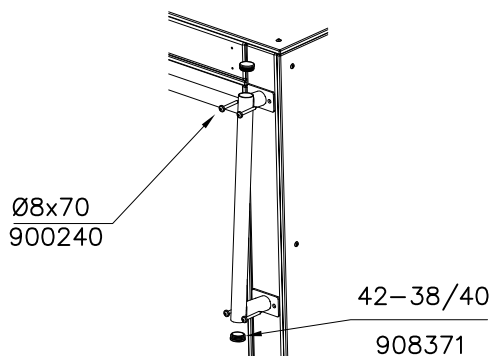
DET 9 DRILL PREHOLES
Ø6mm BEFORE
INSTALLING HANDLES

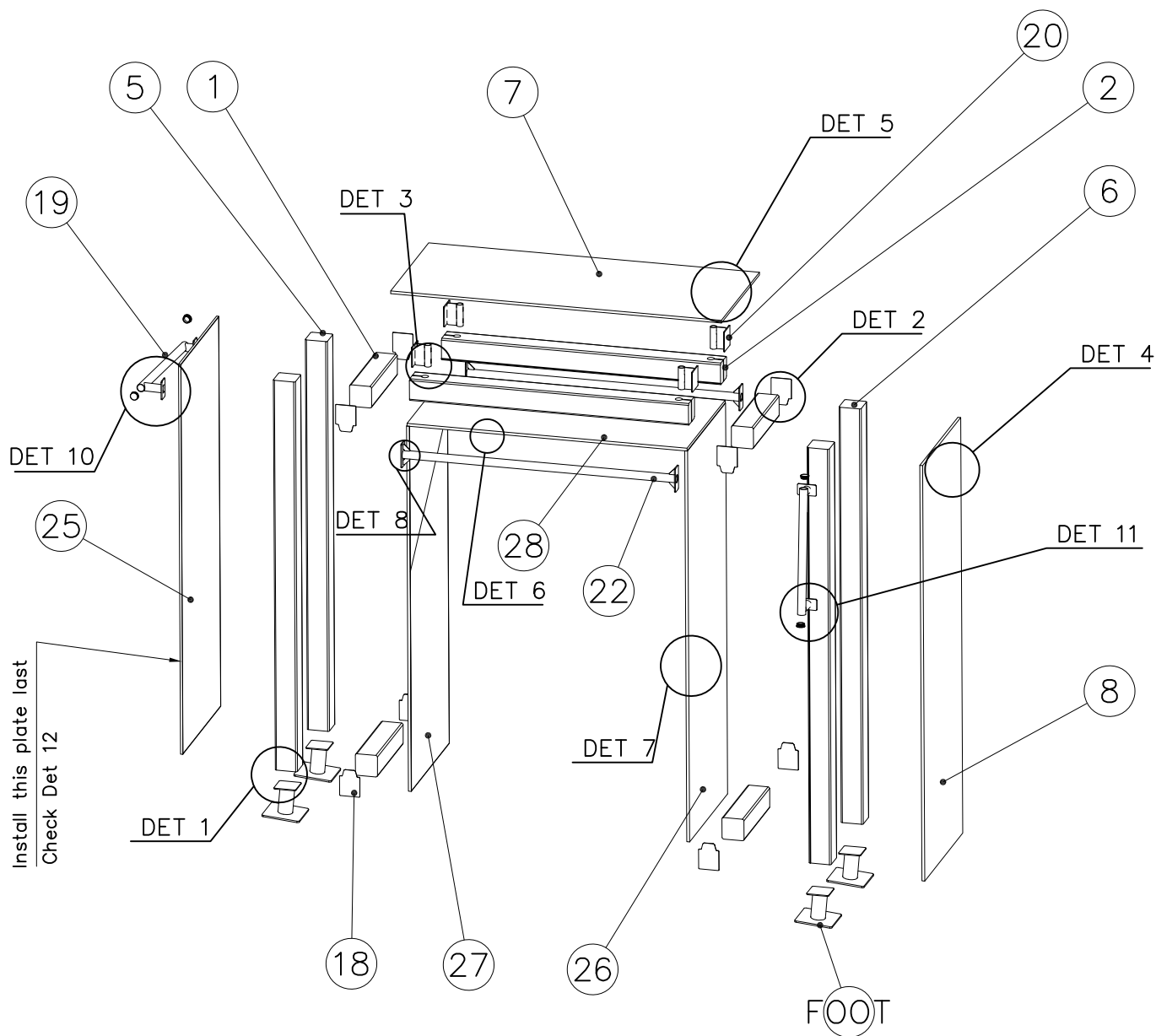


DET 10



DET 11 DRILL PREHOLES BEFORE INSTALLING HANDLES

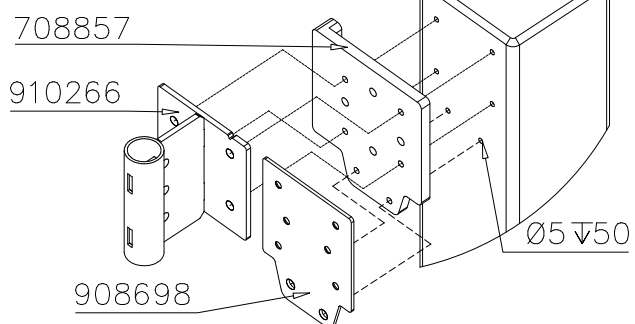




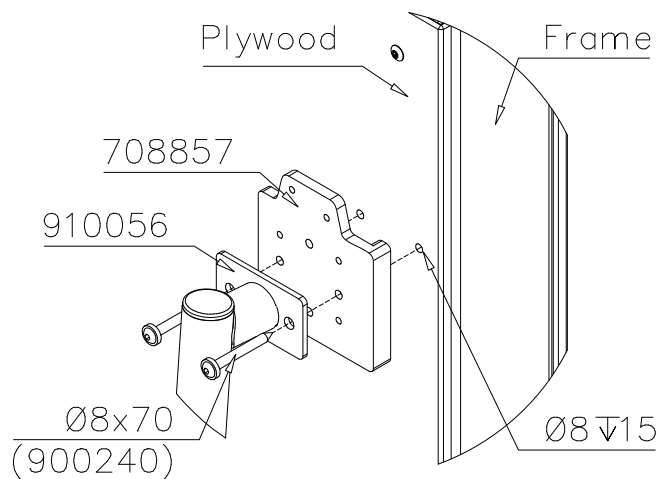
JIG DET A (USE DET 2-3)

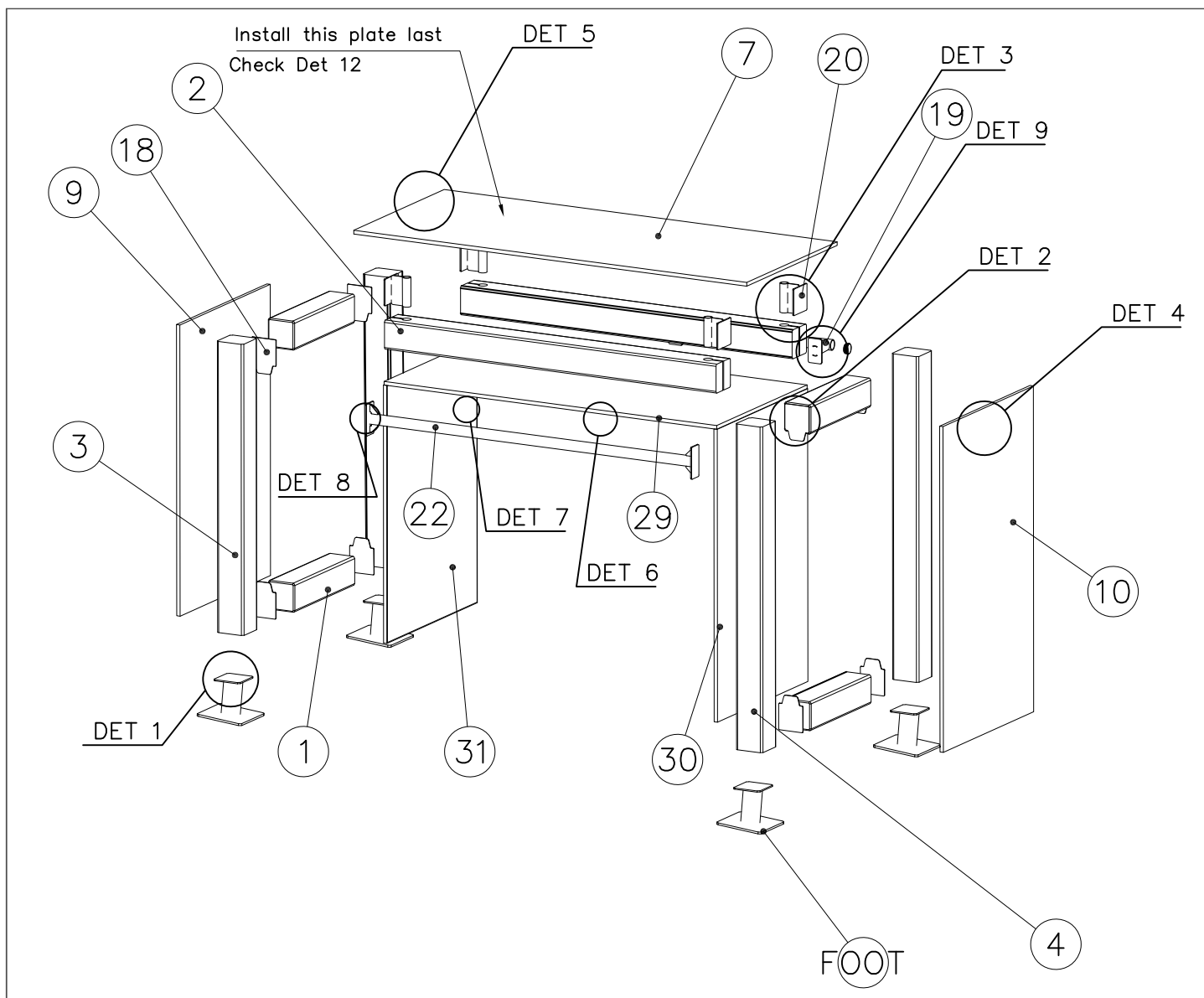
NOTE:

Use drill jig 708857 to predrill $\varnothing 5 \nabla 50$ holes for 910266 and 908698

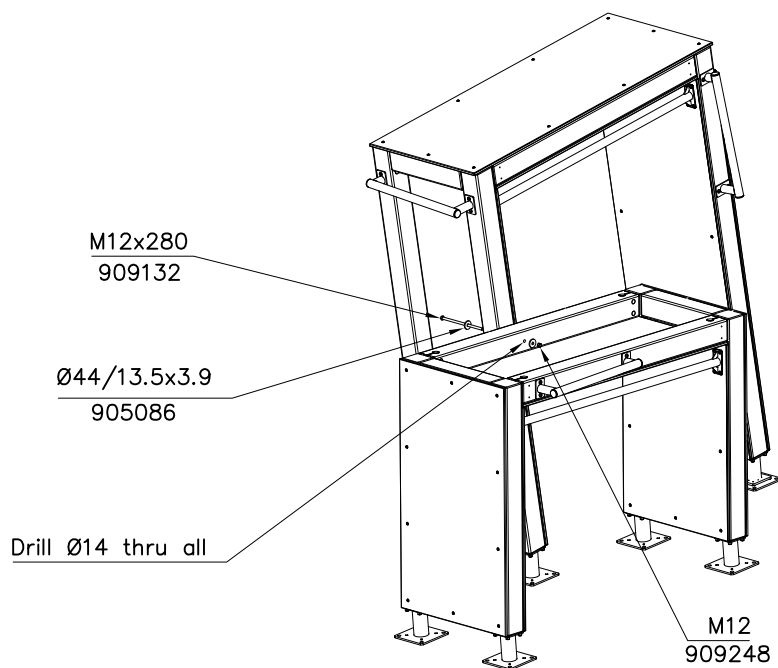


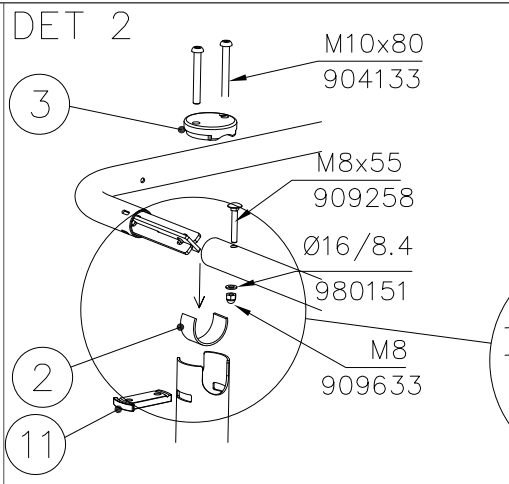
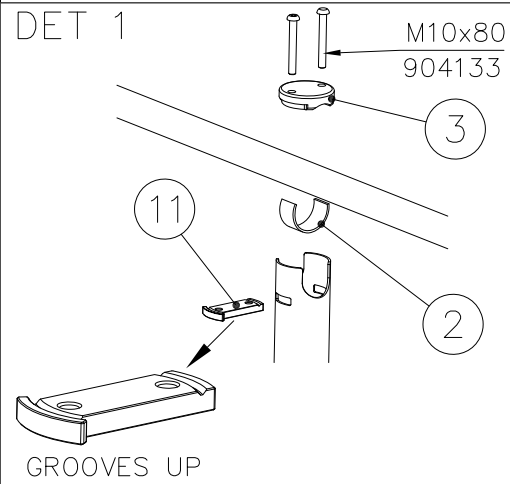
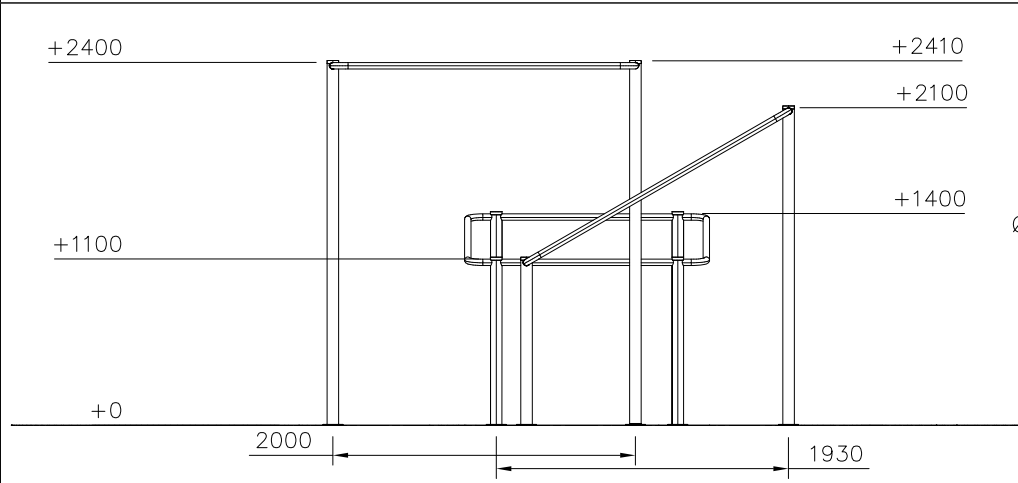
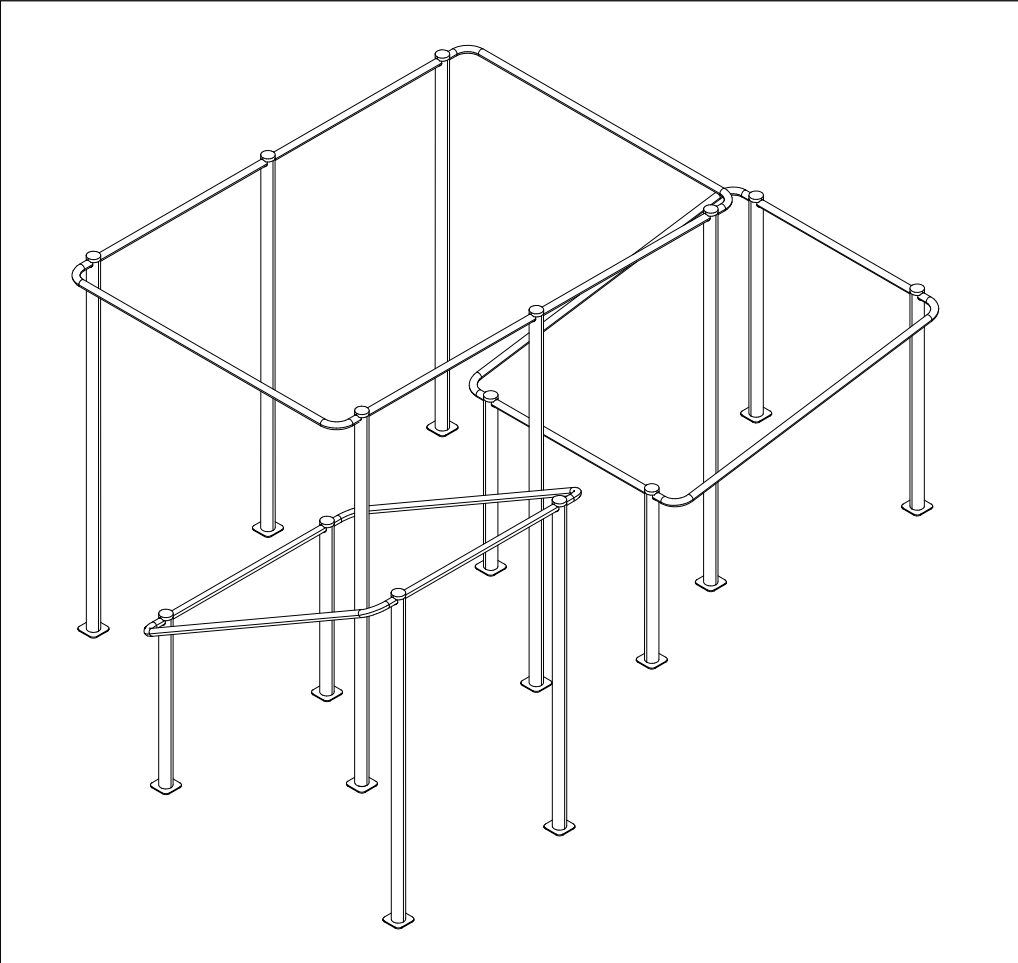
JIG DET B (USE DET 11)

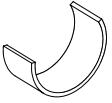
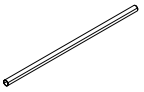
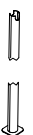
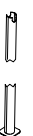
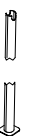
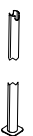


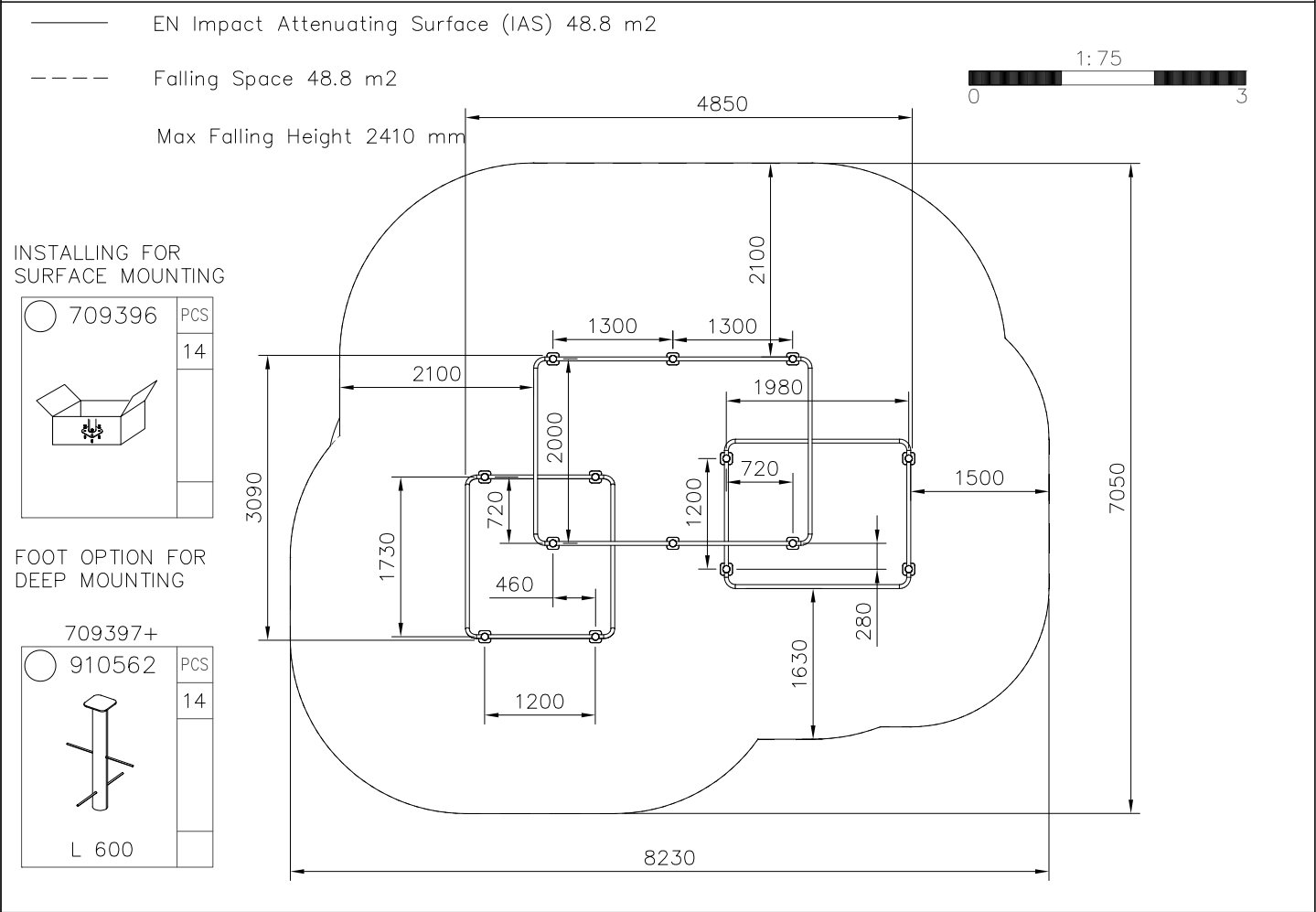
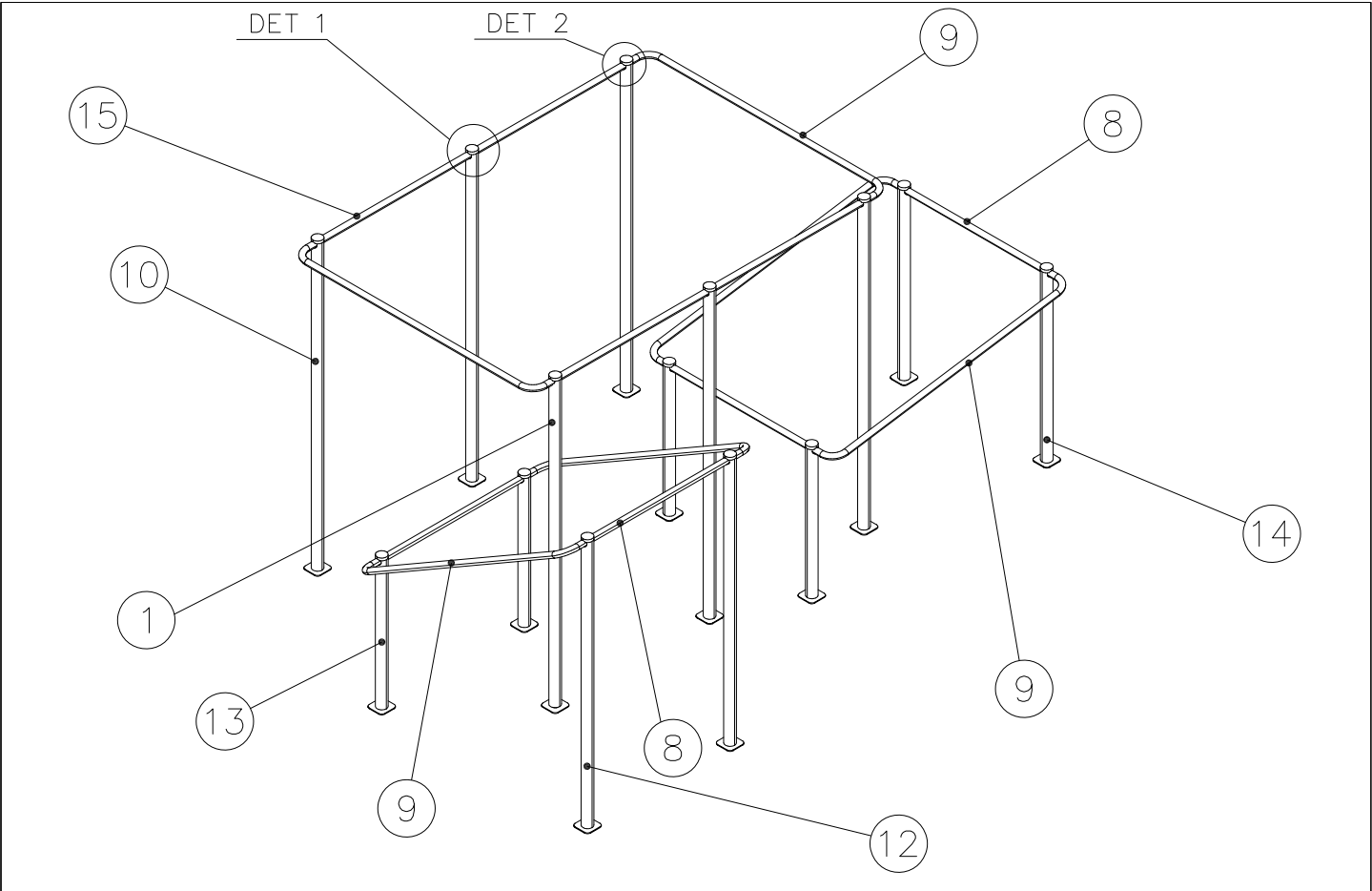


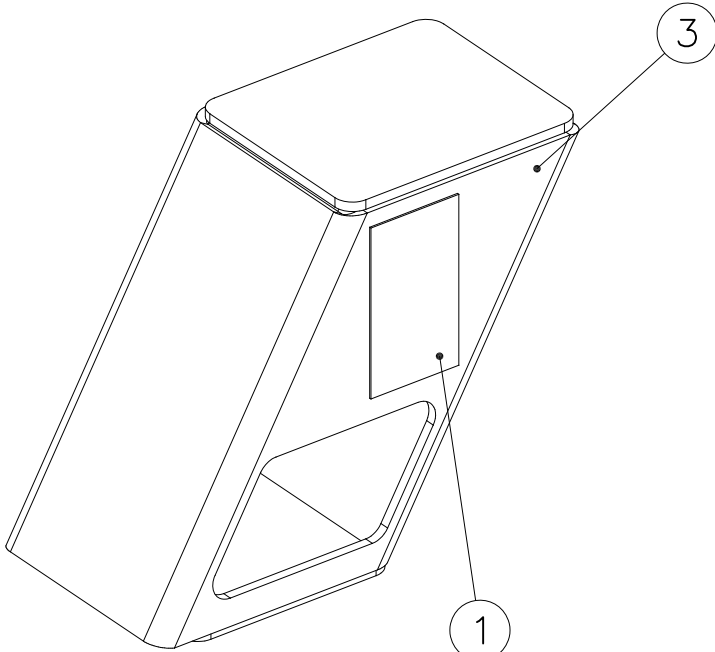
DET 12

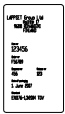
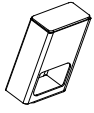




① 702341	PCS	② 704879	PCS
	1		14
90x50		3x30x120mm	
③ 708880	PCS	④ 980151	PCS
	14		12
Ø77x20		Ø16/8.4	
⑤ 904133	PCS	⑥ 909258	PCS
	28		12
M10x80		M8x55	
⑦ 909633	PCS	⑧ 910547	PCS
	12		4
M8		Ø42.4x1200	
⑨ 910549	PCS	⑩ 910556	PCS
	6		6
Ø42.4x286x2042		L 2400	
⑪ 910557	PCS	⑫ 910563	PCS
	14		2
10x45x87		L 2100	
⑬ 910564	PCS	⑭ 910565	PCS
	4		2
L 1100		L 1400	
		⑮ 910704	PCS
			2
		Ø42.4x2600	

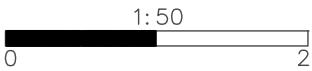




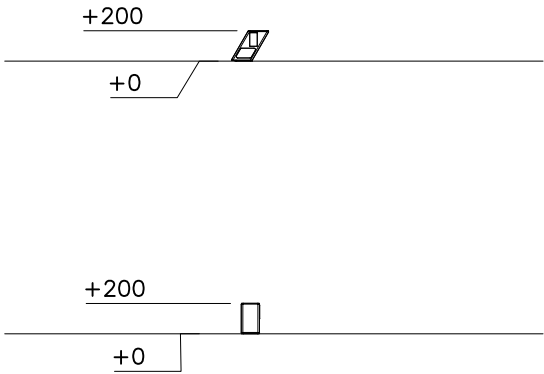
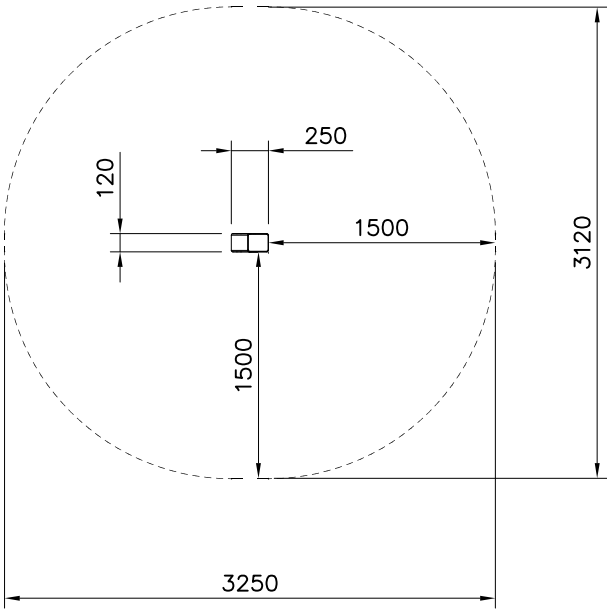
① 702341	PCS	② 709381	PCS
	1		2
90x50		SURFACE	
		③ 910219	PCS
			1
		120x120x200	

FOOT OPTION FOR
DEEP MOUNTING

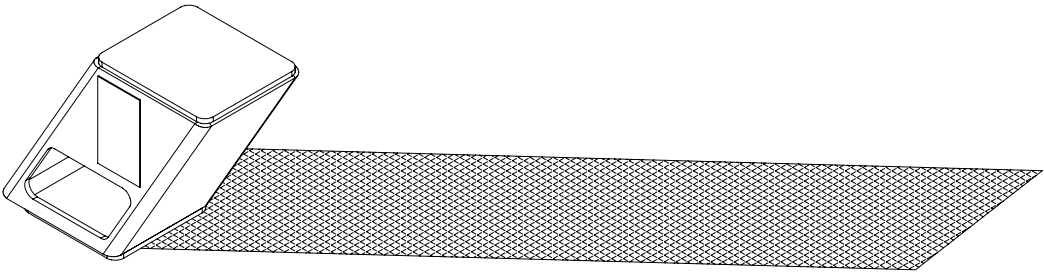
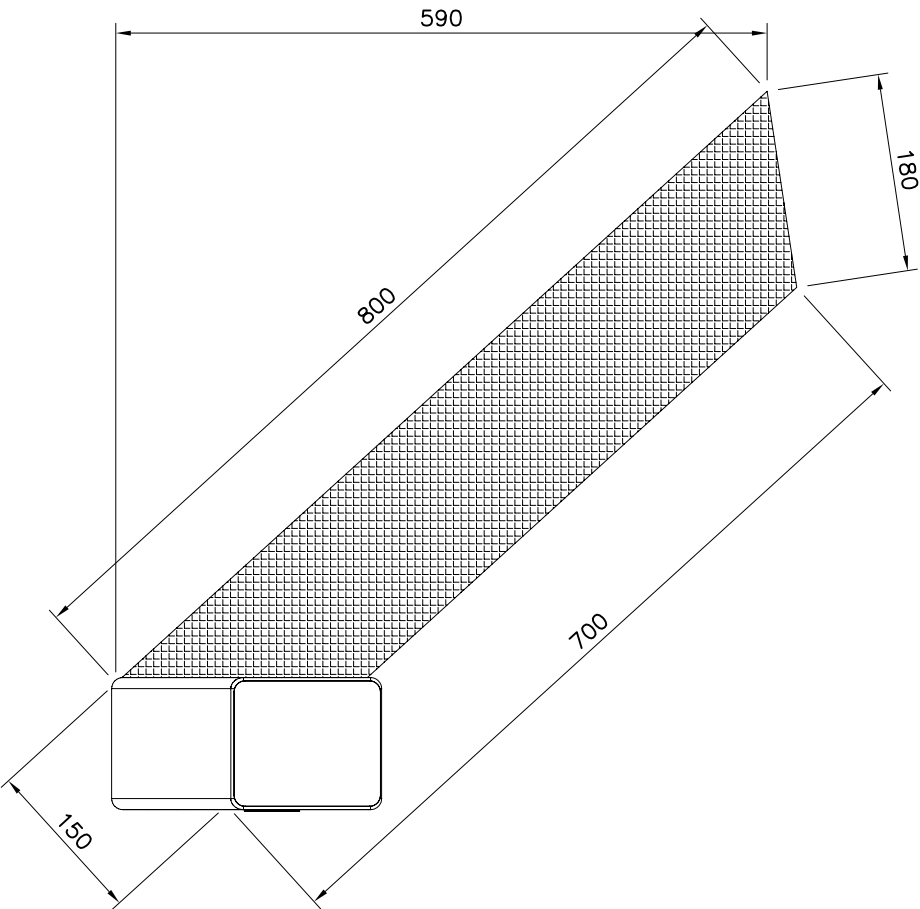
709379+	
○ 902564	PCS
	1
L 550	

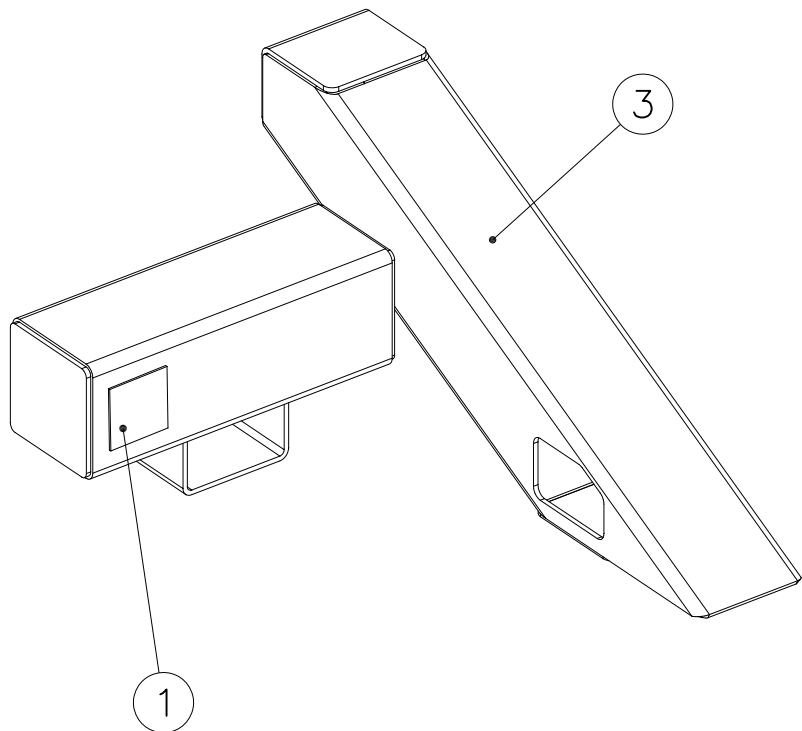


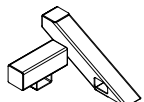
----- Falling Space 8.2 m2
Max Falling Height 200 mm



Shadow lines

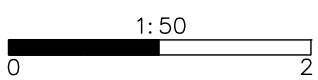




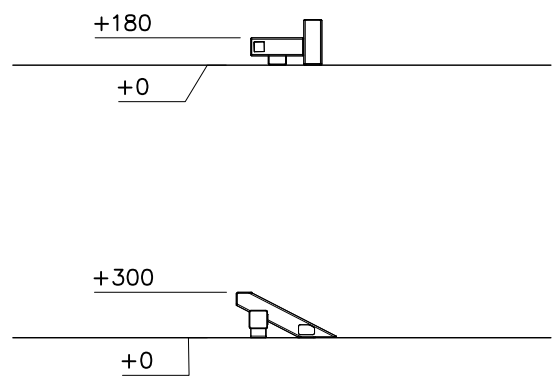
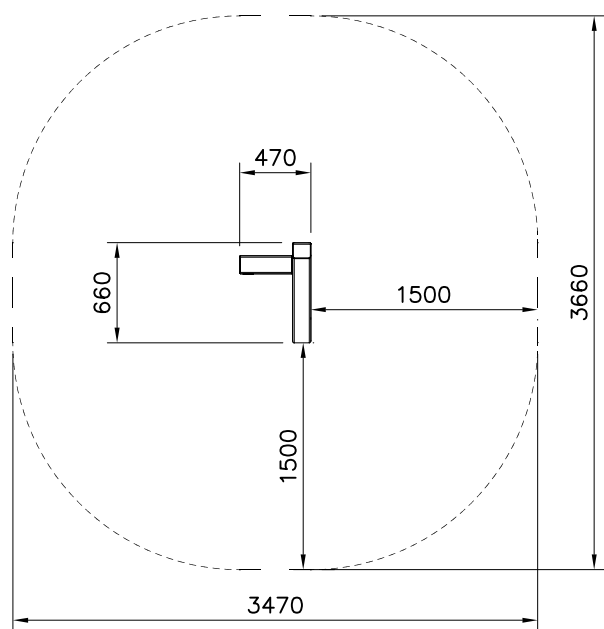
① 702341	PCS	② 709381	PCS
	1		2
90x50		SURFACE	
③ 910220	PCS		
	1		
300x470x662			

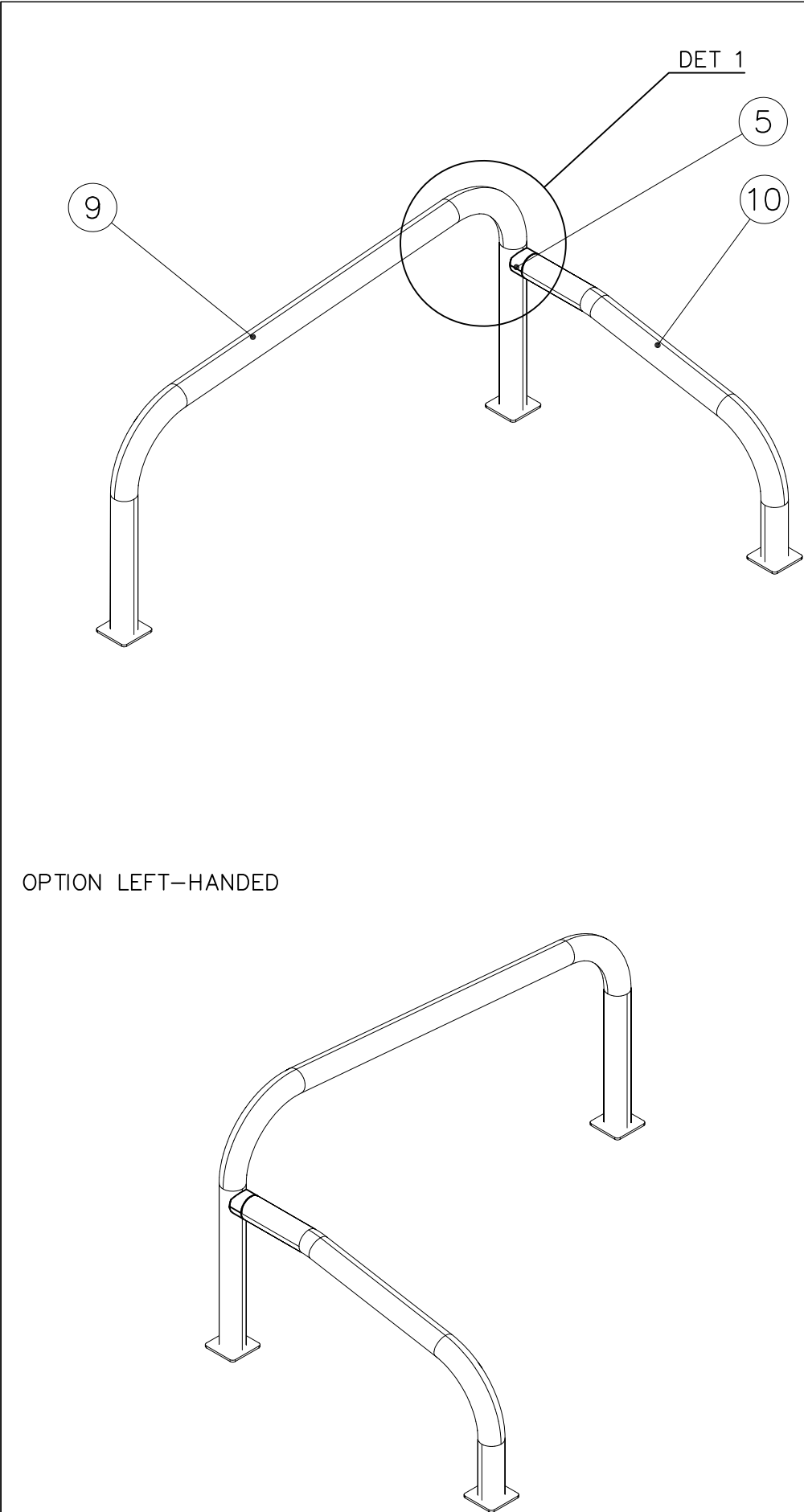
FOOT OPTION FOR DEEP MOUNTING

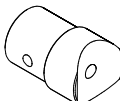
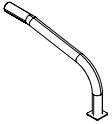
709379+	
○ 902564	PCS
	2
L 550	



----- Falling Space 10.8 m2
Max Falling Height 300 mm

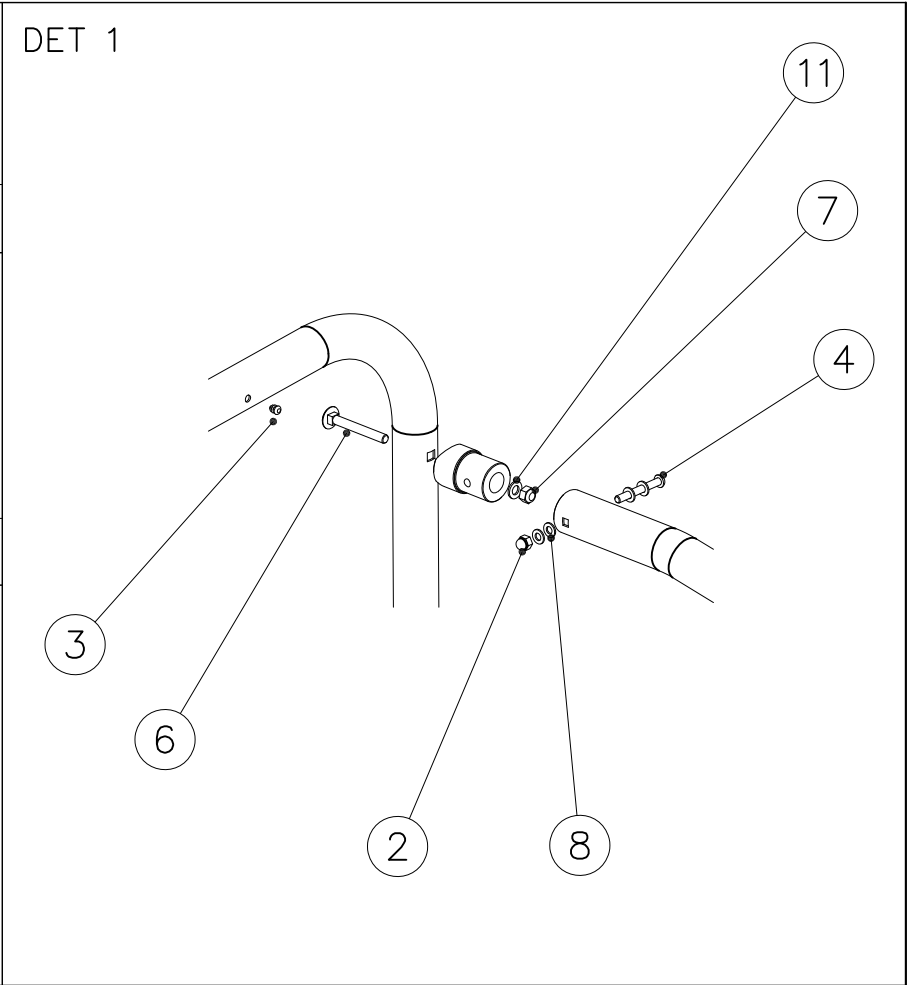
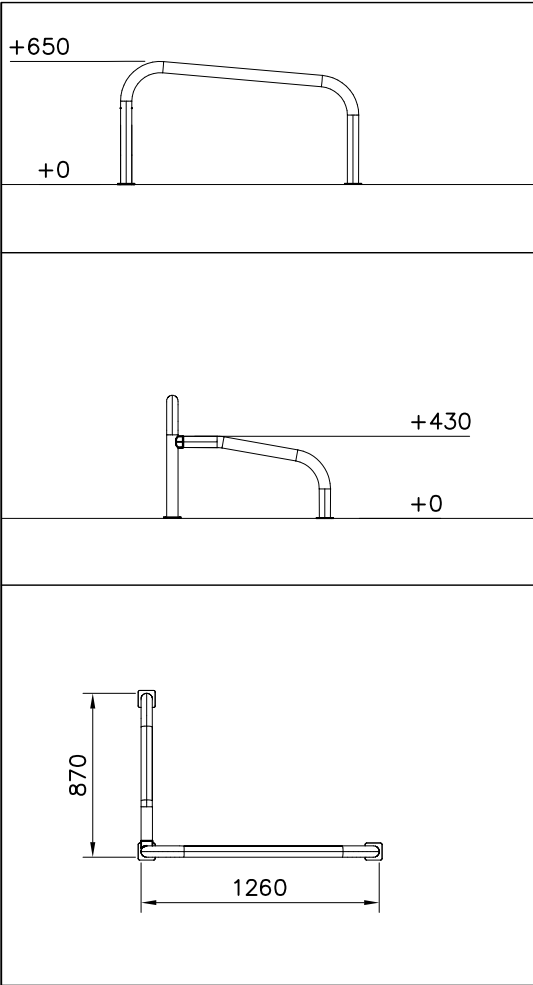




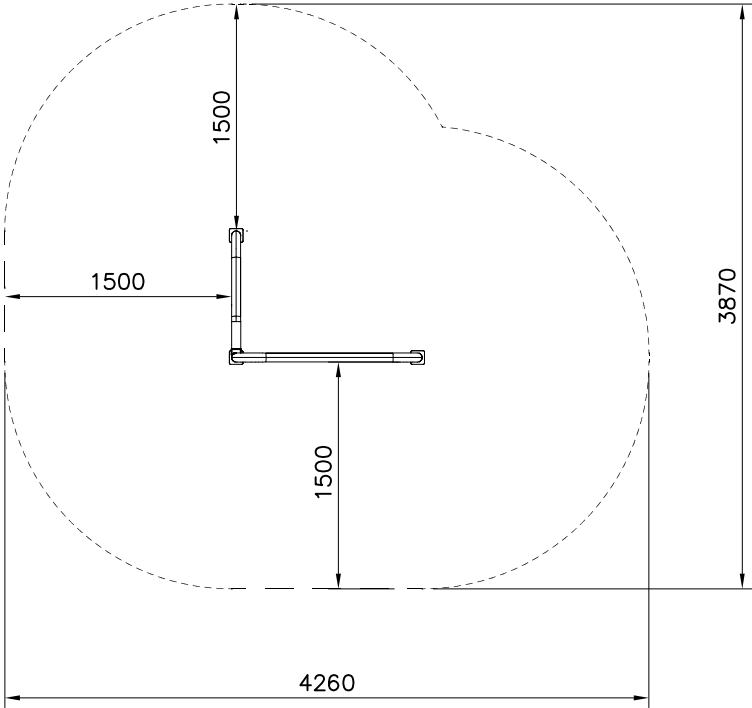
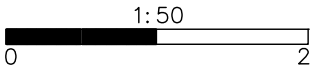
① 702341	PCS	② 900965	PCS
	1		1
 90x50		 M10	
③ 903533	PCS	④ 904133	PCS
	4		1
 SRL12		 M10x80	
⑤ 908069	PCS	⑥ 909111	PCS
	1		1
 Ø60x87.6		 M12x100	
⑦ 909248	PCS	⑧ 909638	PCS
	1		4
 M12		 Ø20/10.5	
⑨ 910254	PCS	⑩ 910262	PCS
	1		1
 Ø60x650x1290		 Ø60x435x795	
⑪ 980154	PCS		PCS
	1		
 Ø24/13			

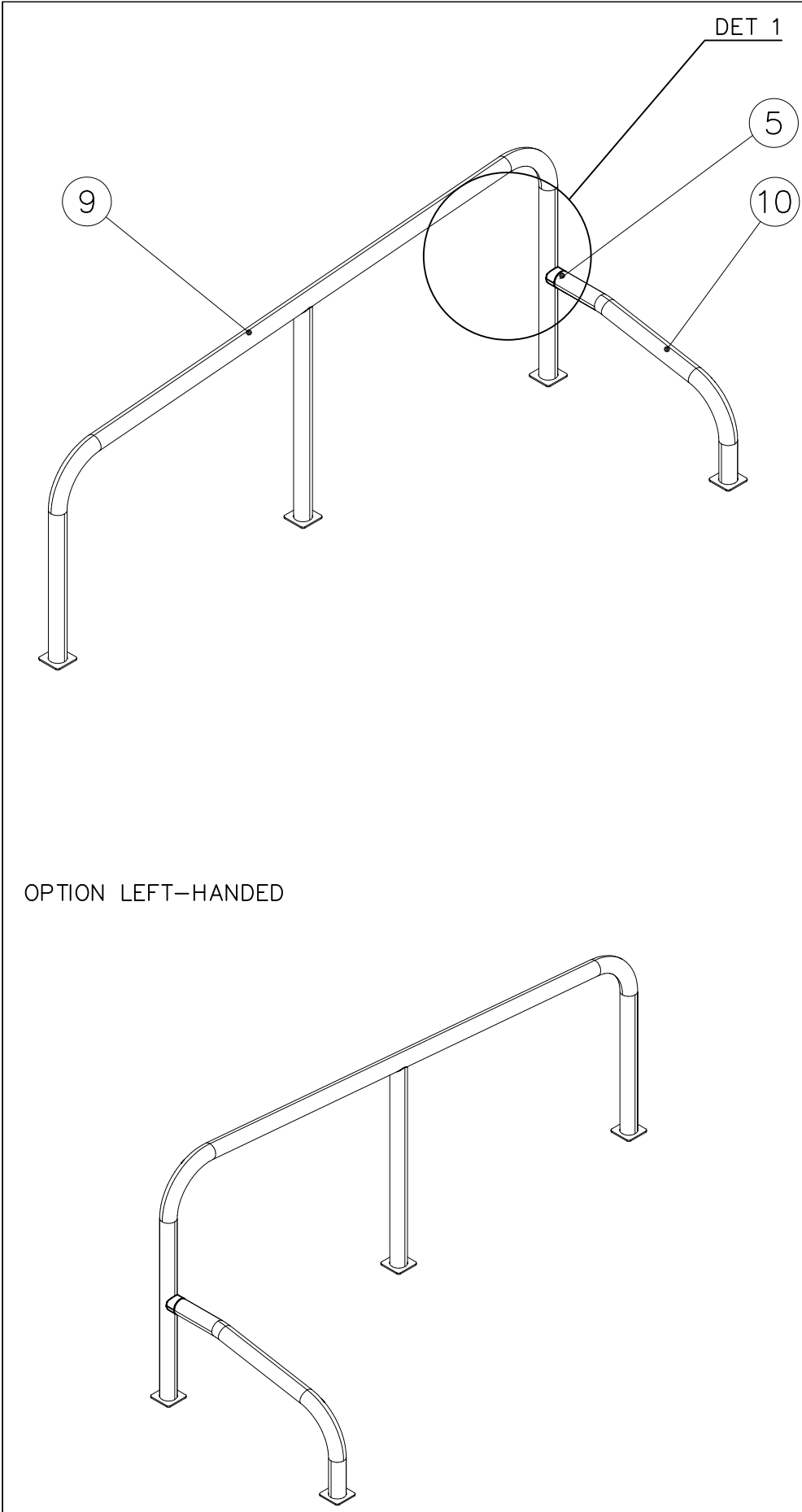
FOOT OPTION FOR
DEEP MOUNTING

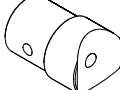
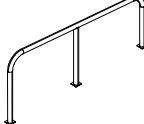
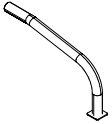
709379+	
○ 902564	PCS
	3
L 550	

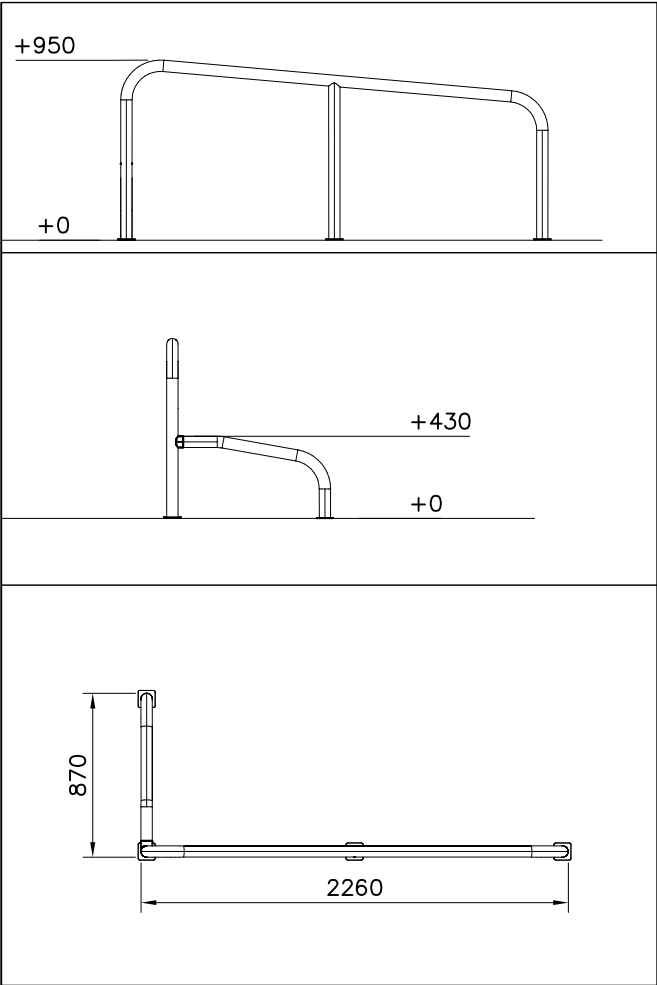


----- Falling Space 13.1 m2
Max Falling Height 650 mm

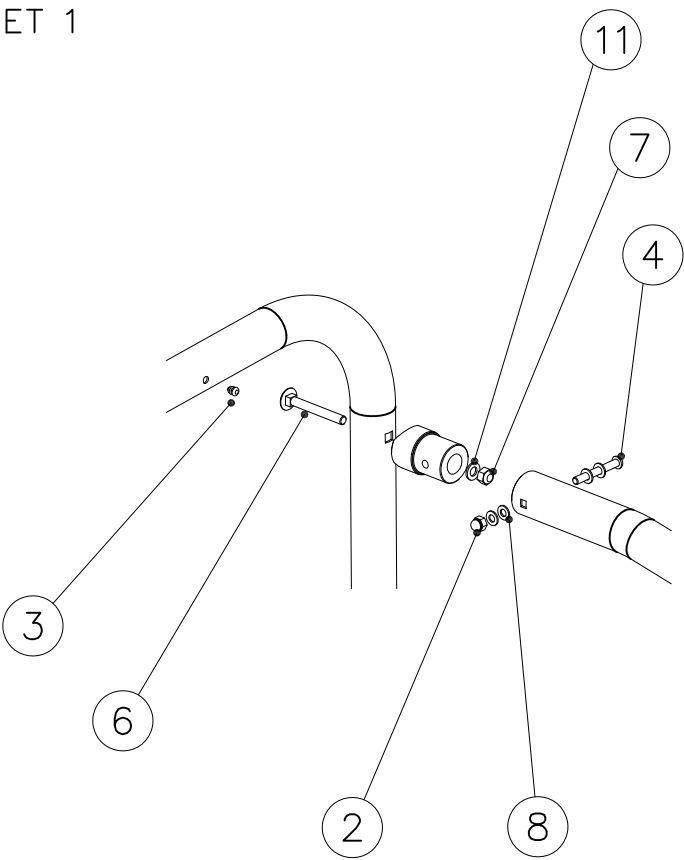




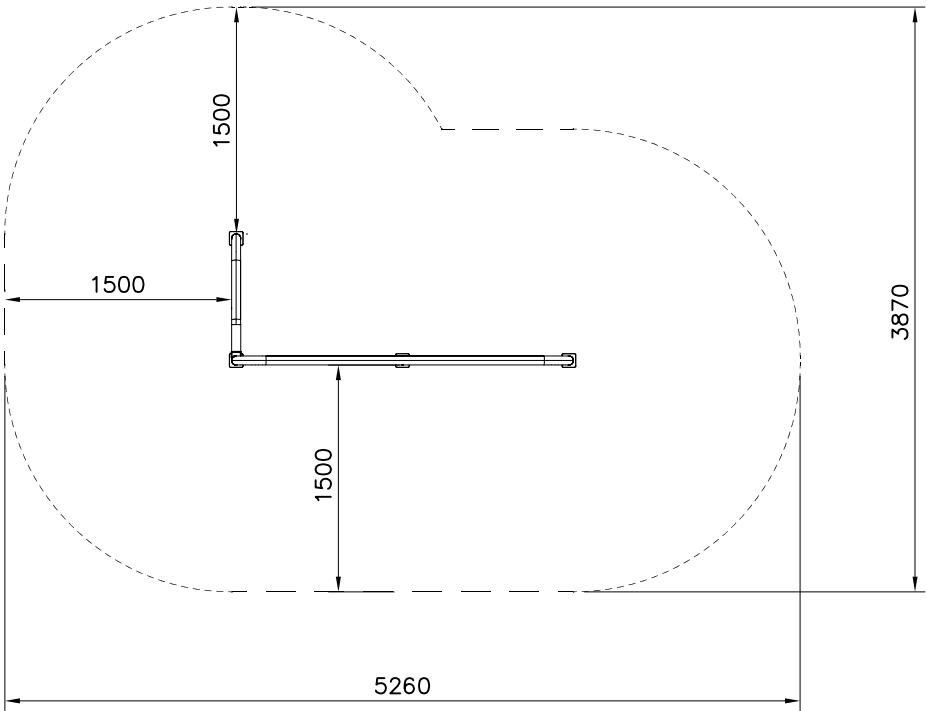
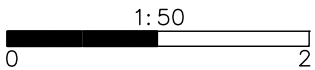
① 702341	PCS	② 900965	PCS
	1		1
90x50		M10	
③ 903533	PCS	④ 904133	PCS
	4		1
SRL12		M10x80	
⑤ 908069	PCS	⑥ 909111	PCS
	1		1
Ø60x87.6		M12x100	
⑦ 909248	PCS	⑧ 909638	PCS
	1		4
M12		Ø20/10.5	
⑨ 910255	PCS	⑩ 910262	PCS
	1		1
Ø60x950x2290		Ø60x435x795	
⑪ 980154	PCS		PCS
	1		
Ø24/13			

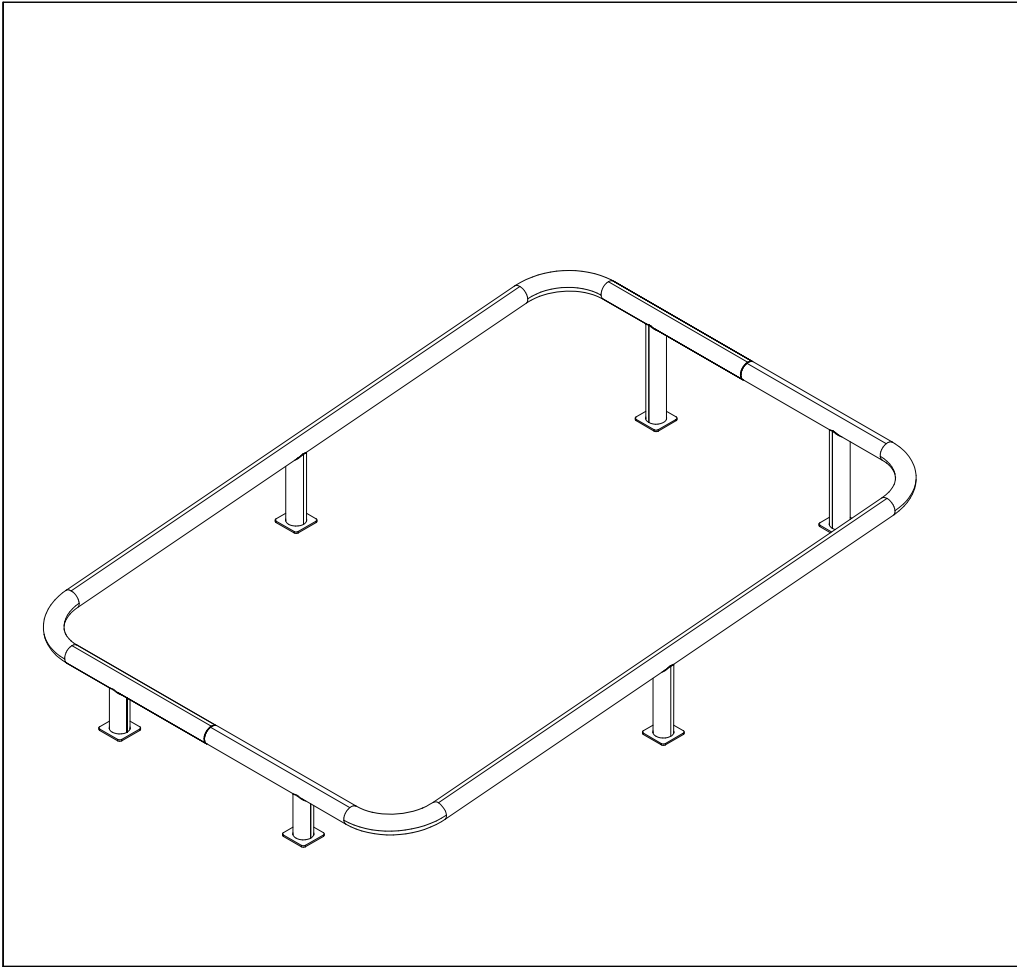


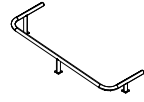
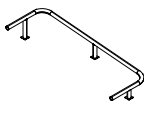
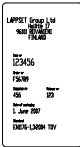
DET 1

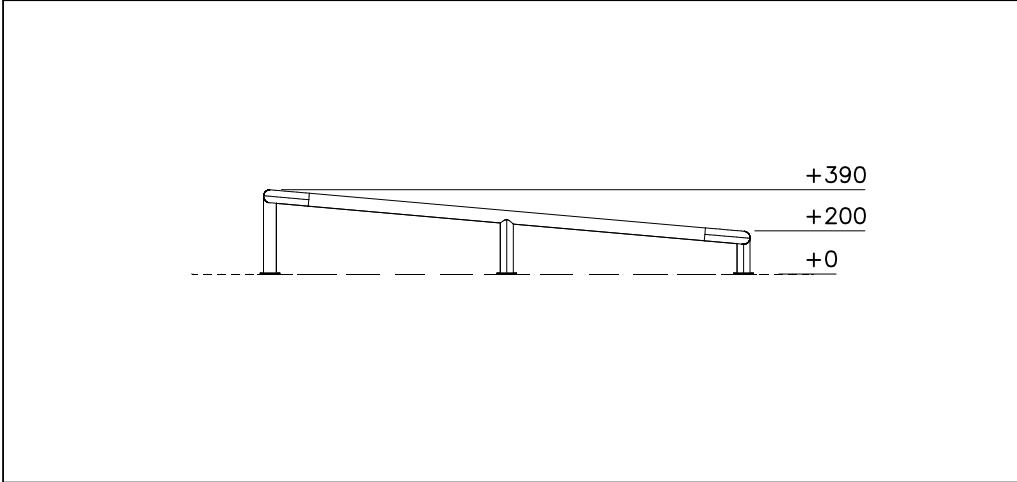


----- Falling Space 16.2 m2
Max Falling Height 950 mm



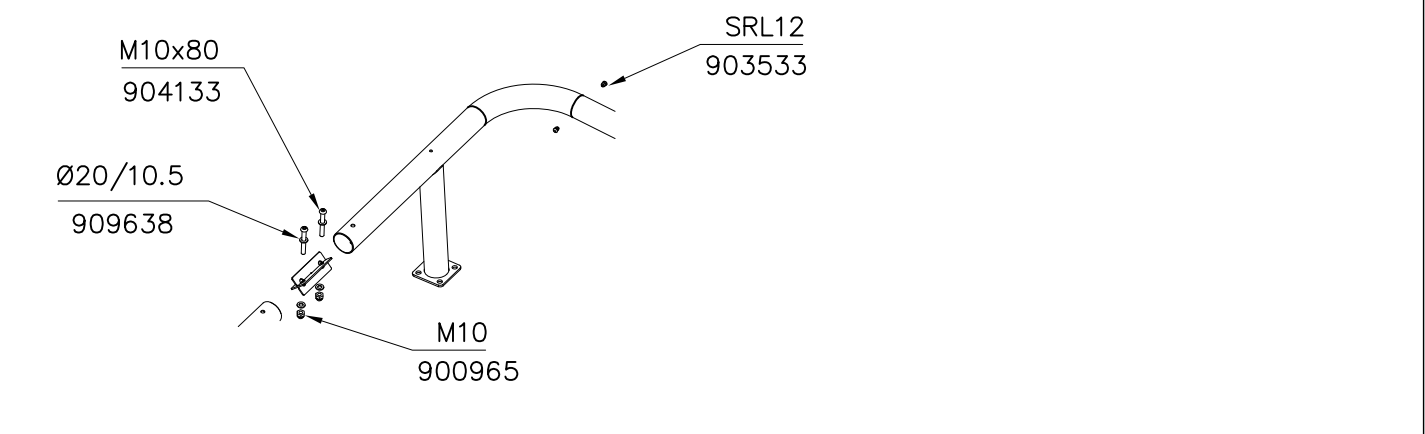


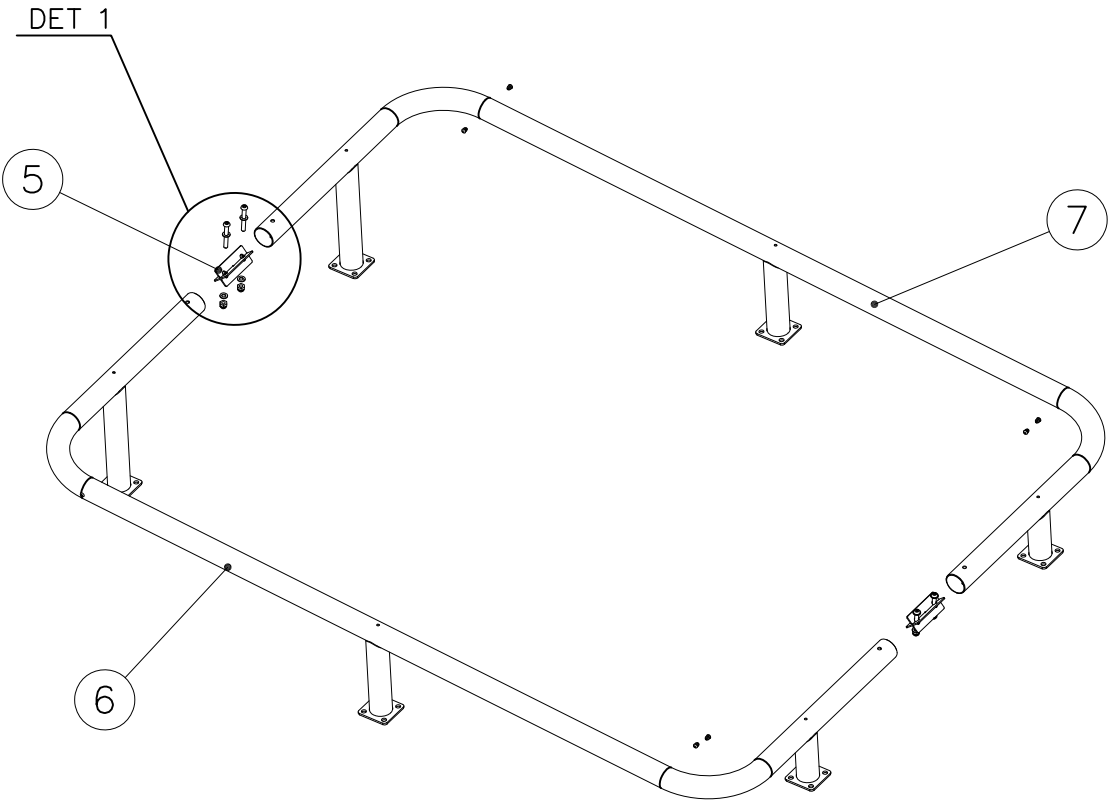
① 900965	PCS	② 903533	PCS
	4		8
M10		SRL12	
③ 904133	PCS	④ 909638	PCS
	4		8
M10x80		Ø20/10.5	
⑤ 910052	PCS	⑥ 910054	PCS
	2		1
53x53x120		390x780x2282	
⑦ 910055	PCS	⑧ 702341	PCS
	1		1
390x780x2282		90x50	



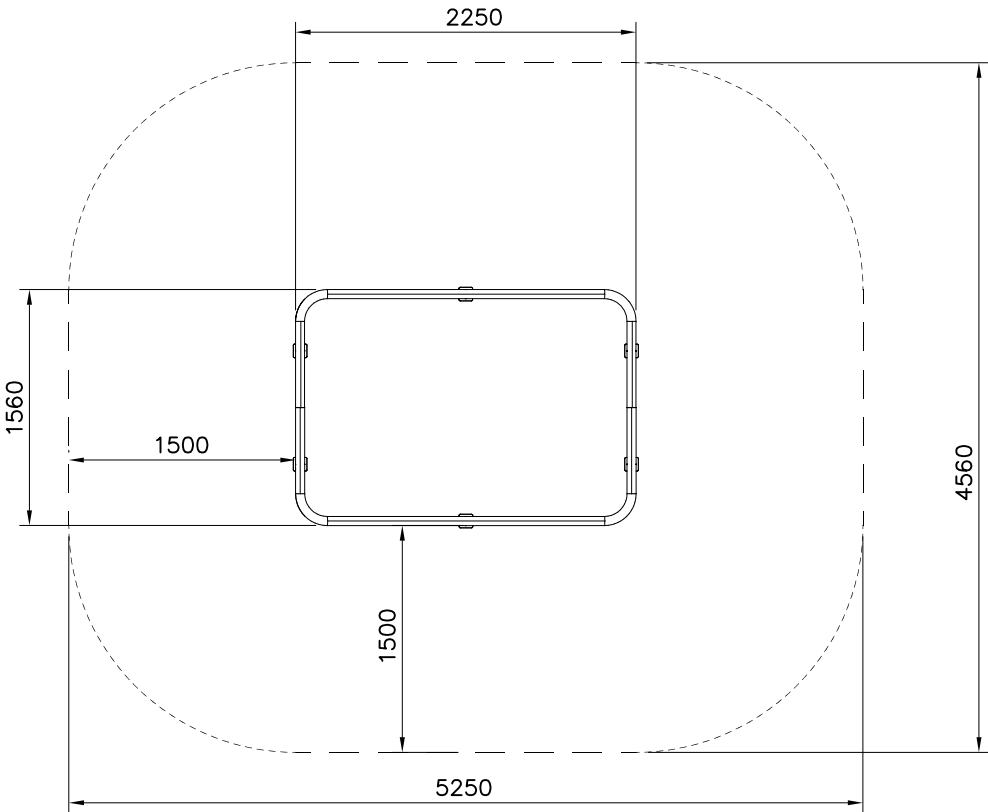
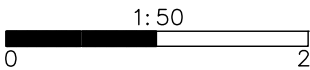
	PCS		PCS
	PCS		PCS

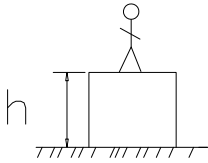
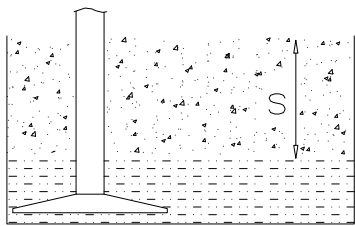
DET 1





----- Falling Space 22 m2
Max Falling Height 390 mm



	
h < 1600	Totally hard surfaces or materials with very limited impact attenuating properties. Case by case risk assessment is needed including e.g. evaluation whether there is forced movement, what is the intended exercise and where will the product be installed. Materials with significant impact attenuating properties. Totally hard surfaces. E.g. concrete or asphalt Materials with very limited impact attenuating properties. E.g. wood fine gravel 0–8 mm Unsorted sand/ topsoil Lawn
h = 1600- h < 3000	Loose fill material E.g. sand/gravel 0,25...8 mm D60/D10<3,0 Woodchips 5...30 mm bark 20...80 mm  $\underline{S}$ 30 cm $\underline{h}$ < 3,0 m Syntethic granulates $\underline{S}$ $\underline{h}$ 40 mm ~> 1,6...~< 1,8 m 50 mm ~> 1,8...~< 2,25 m 55 mm ~> 2,25...~< 2,4 m 60 mm ~> 2,4...~< 2,55 m 70 mm ~> 2,55...~< 3,0 m Note. For accurate values, see manufacturer's instructions. 