

Detail B  
Echelle : 1:1

Detail D  
Echelle : 1:1

Detail A  
Echelle : 1:1

Detail E  
Echelle : 1:1

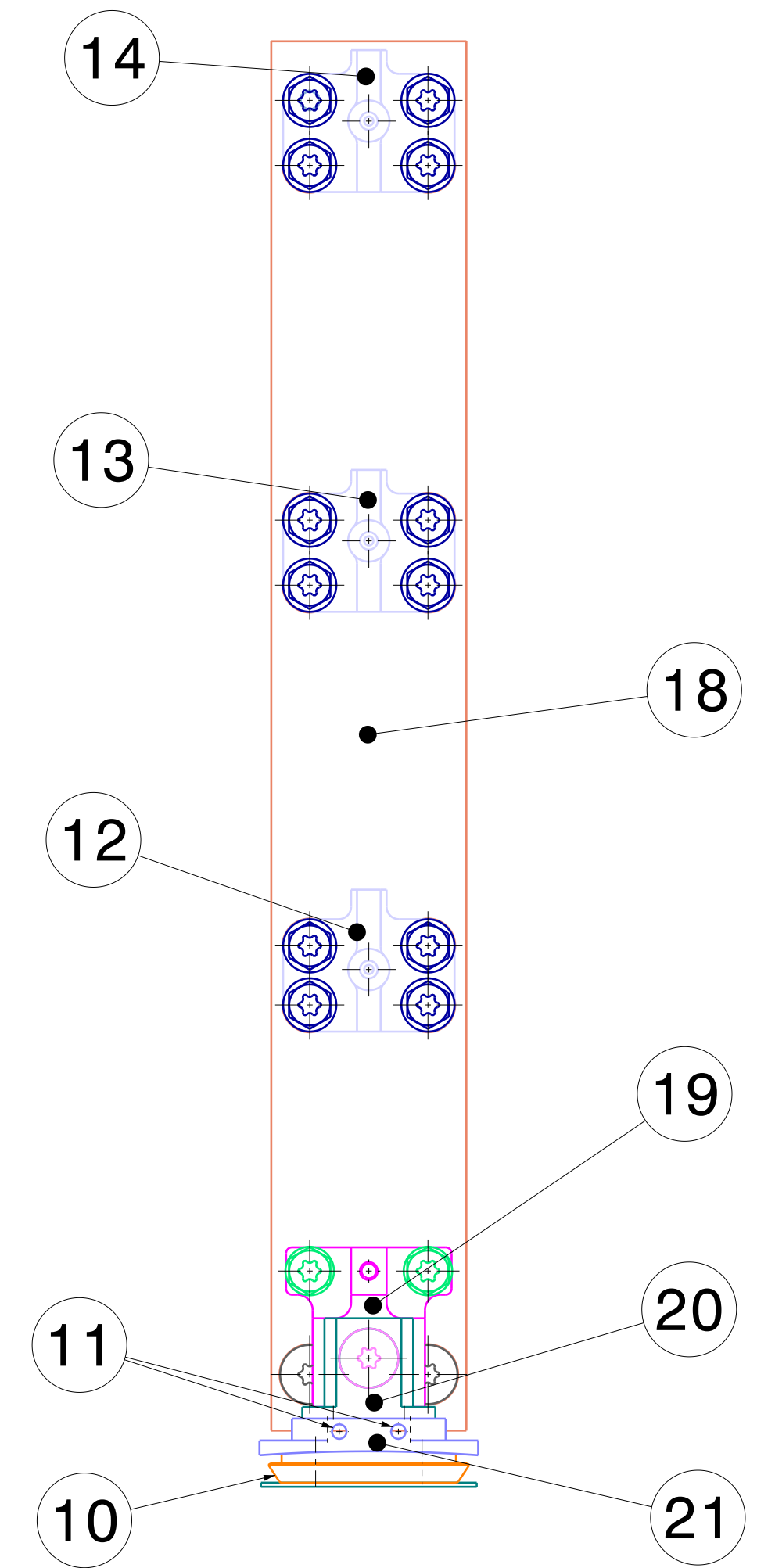
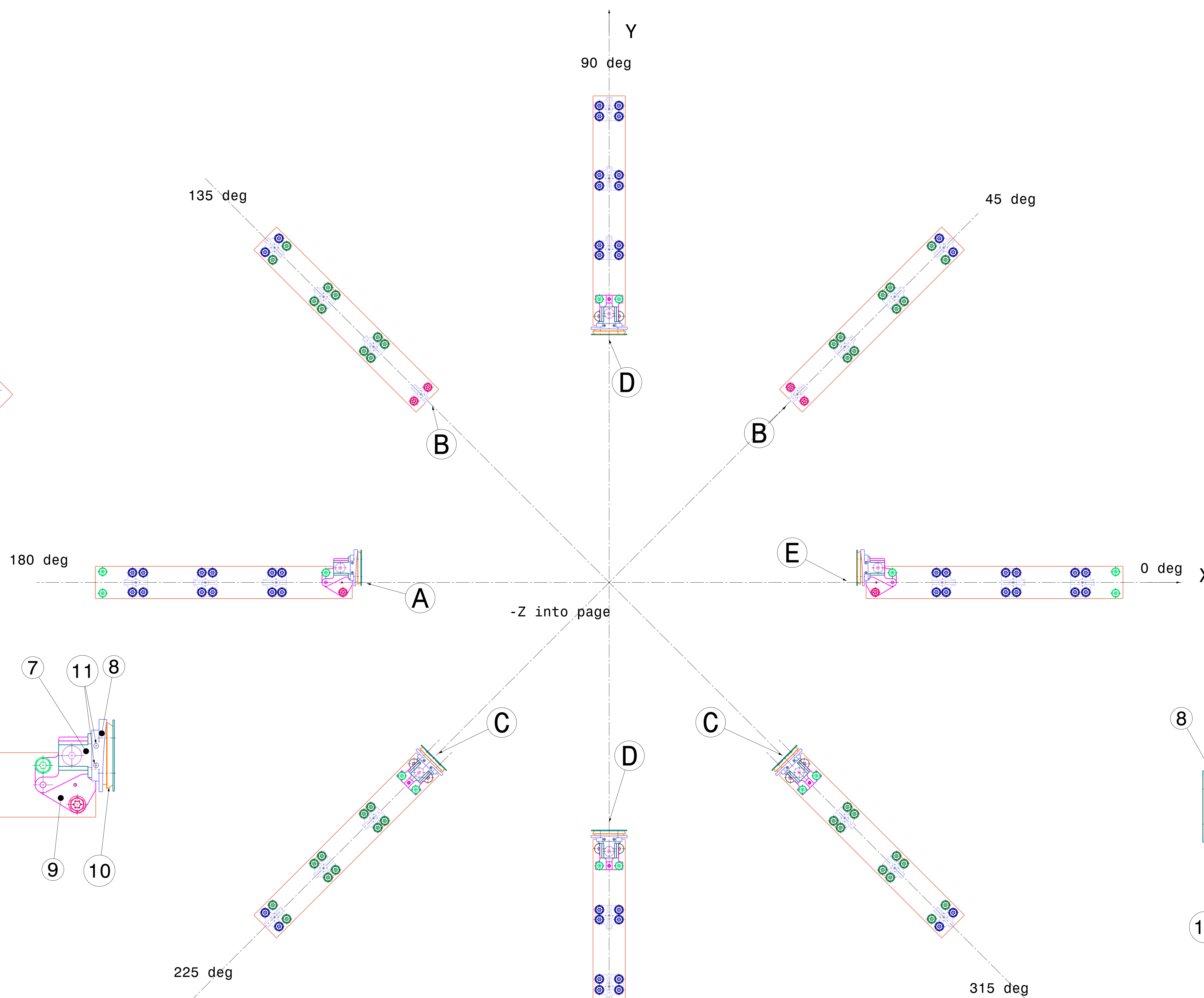
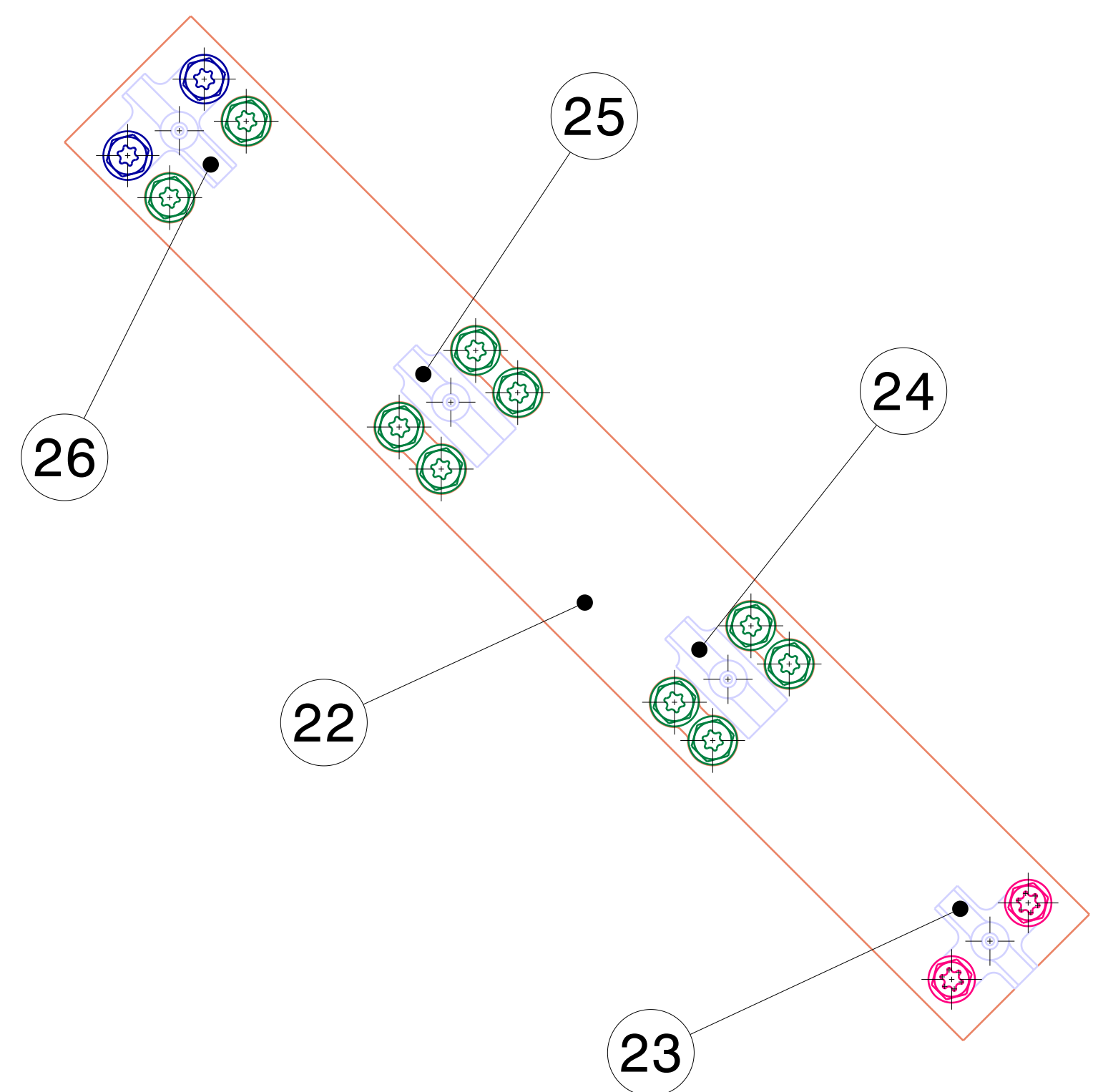
Detail C  
Echelle : 1:1

POS.	DESCRIPTION	REF. PRODUCT	COMPOSITION	MASS(g)	TOTAL NUMBER OF PIECES	REMARKS
1	icotec bolt-hexhex-flanged-M4X16	64-M-4-16-IP	Endless carbon fibre/PEEK (62%Vol1 fibre content)	0,47	28	16mm length ----> 11mm
2	icotec bolt-hexhex-flanged-MJ4X27	64-MJ-4-27-IP		0,67	112	27mm length----> 20mm
3	icotec bolt-hexhex-flanged-M5X20-7	64-M-5-20-IP-7		0,87	12	
4	icotec bolt-hexalobular-countersunk-M5X20	65-M-5-20-IP		0,72	20	
5	icotec bolt-hexalobular-countersunk-M5X20	65-M-5-20-IP		0,48	12	20mm length----> 12.5mm
6	icotec bolt-hexhex-flanged-M4X16	64-M-4-16-IP		0,59	80	

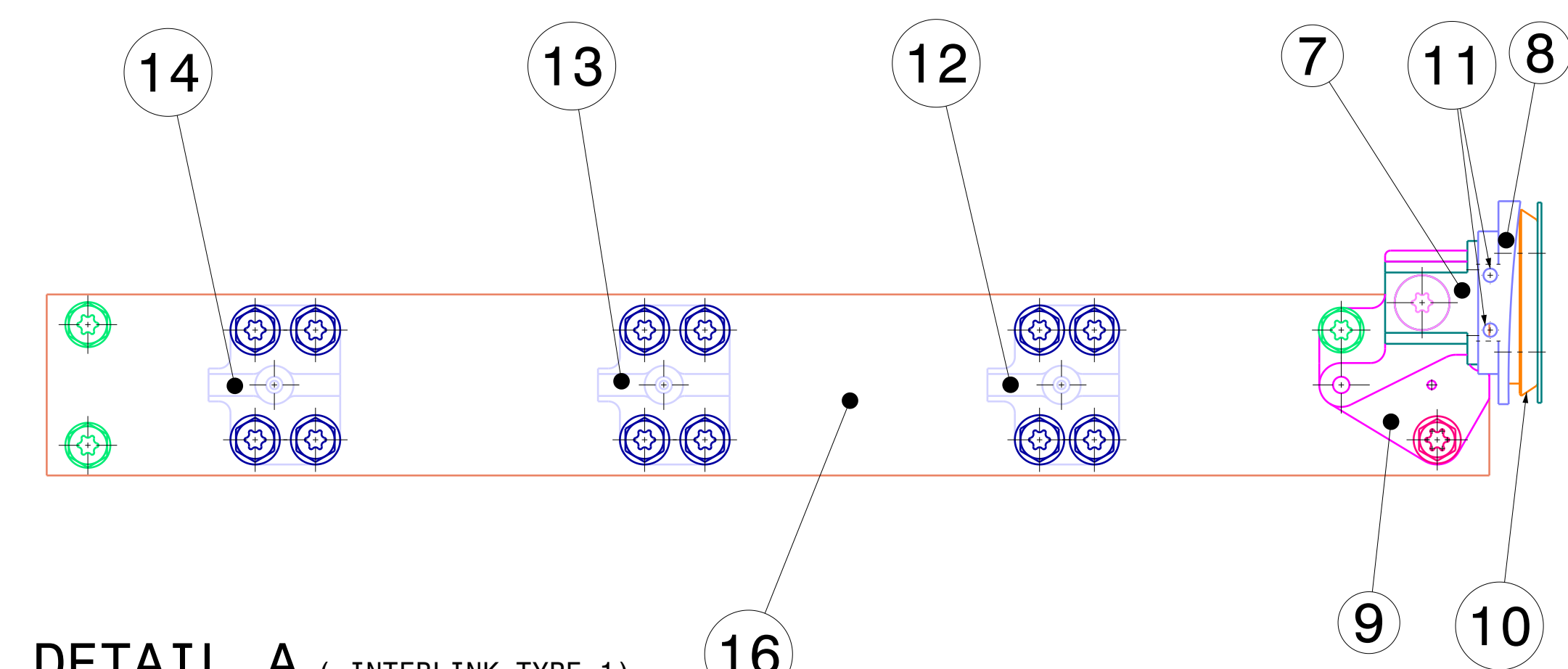
CERN DRAWING NUMBER:ATLISBB\_0043

DESIGNED BY: G. BARBIER	DATE: 23/09/05	SCALE: 1:2; (1:1)	DRAWING NAME: INTERLINKS, B6 BEARING PENETRATIONS&SUPPORTS LIST OF COMPONENTS	REV	NAME	DATE
PROJECT: ATLAS BB			UNIVERSITE DE GENEVE	A	xxx	xxx
PRODUCT: ATLAS BB			GE-ATLAS-BB-038 (1of3)	B		
				C		
				D		
				E		
				F		
				G		
				H		

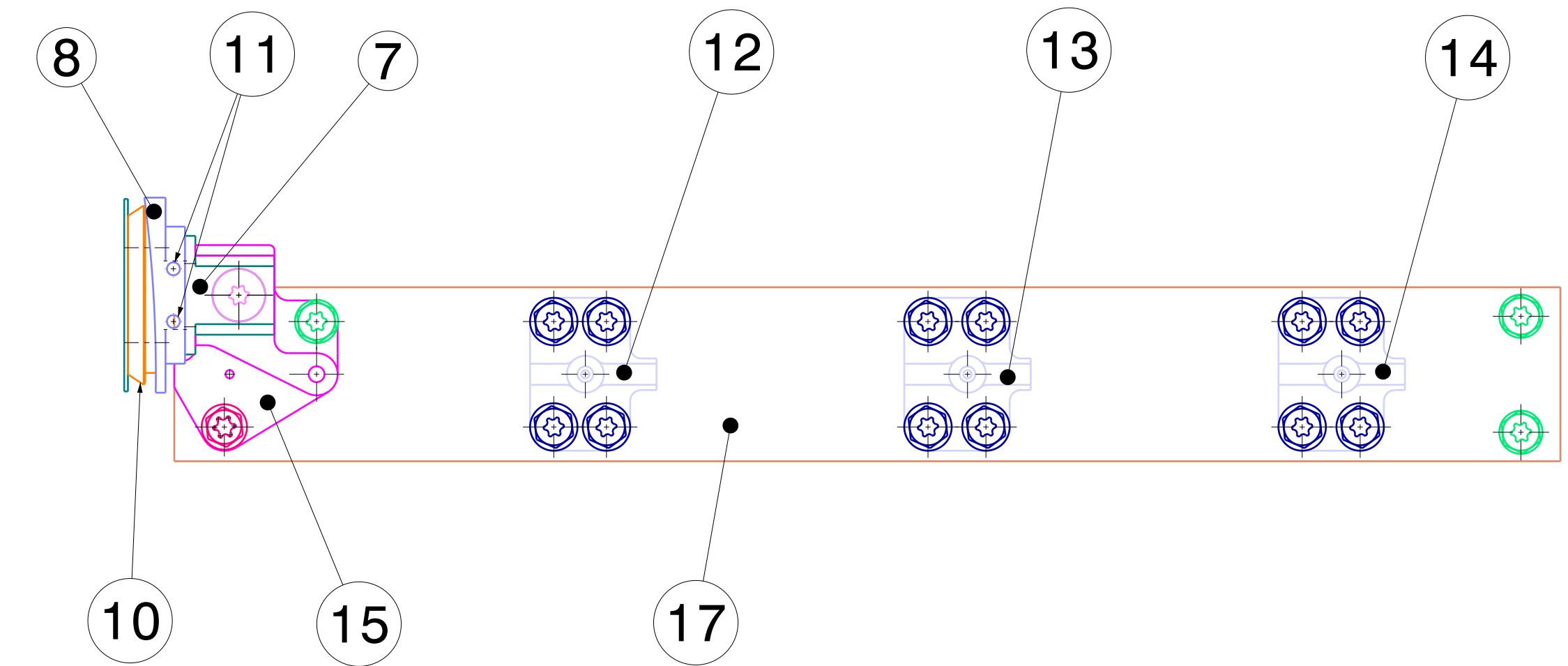
**DETAIL B** ( INTERLINK TYPE 4 )  
Echelle : 1:1



**DETAIL D** ( INTERLINK TYPE 5 )  
Echelle : 1:1

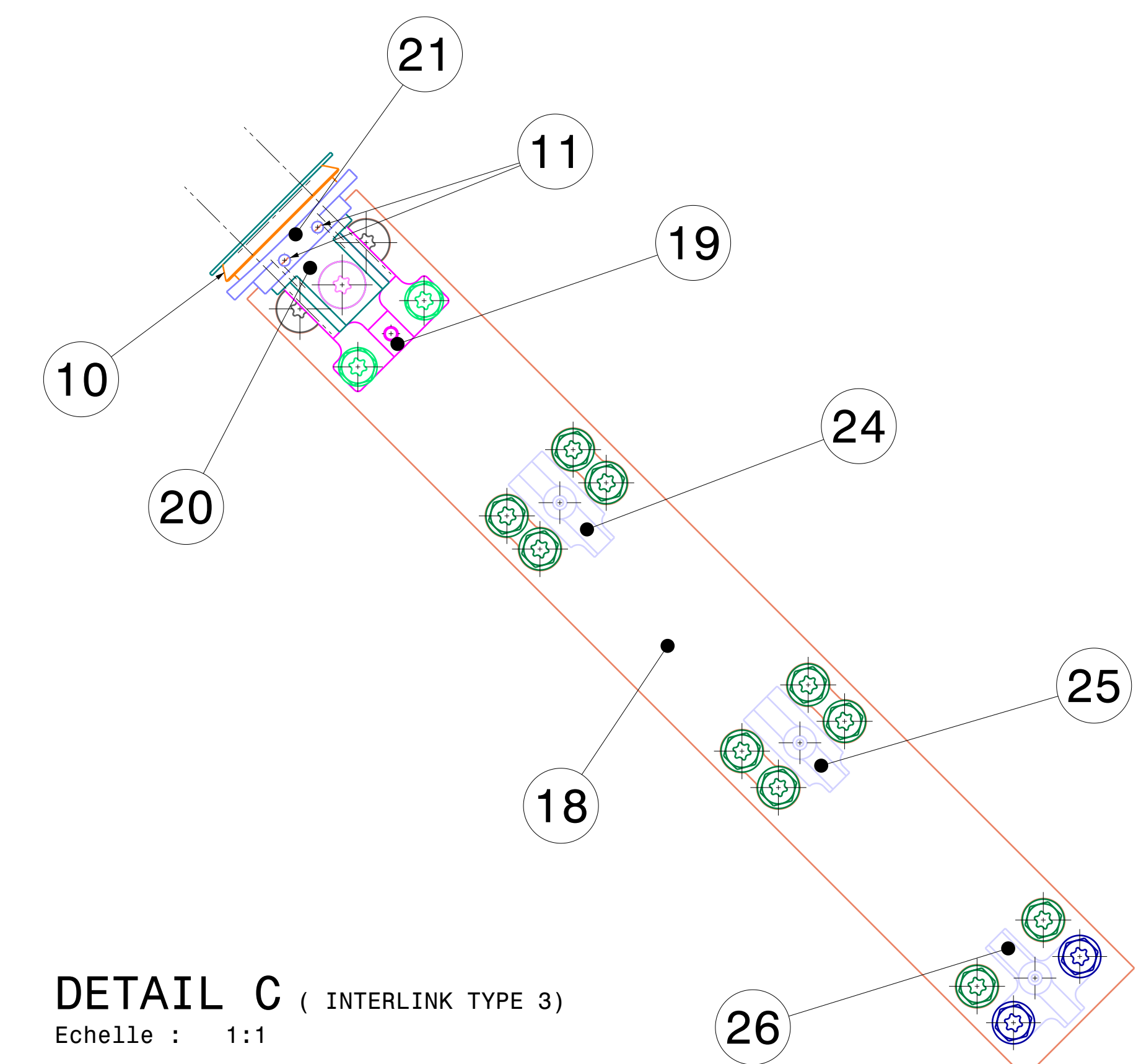


**DETAIL A** ( INTERLINK TYPE 1 )  
Echelle : 1:1



**DETAIL E** ( INTERLINK TYPE 2 )  
Echelle : 1:1

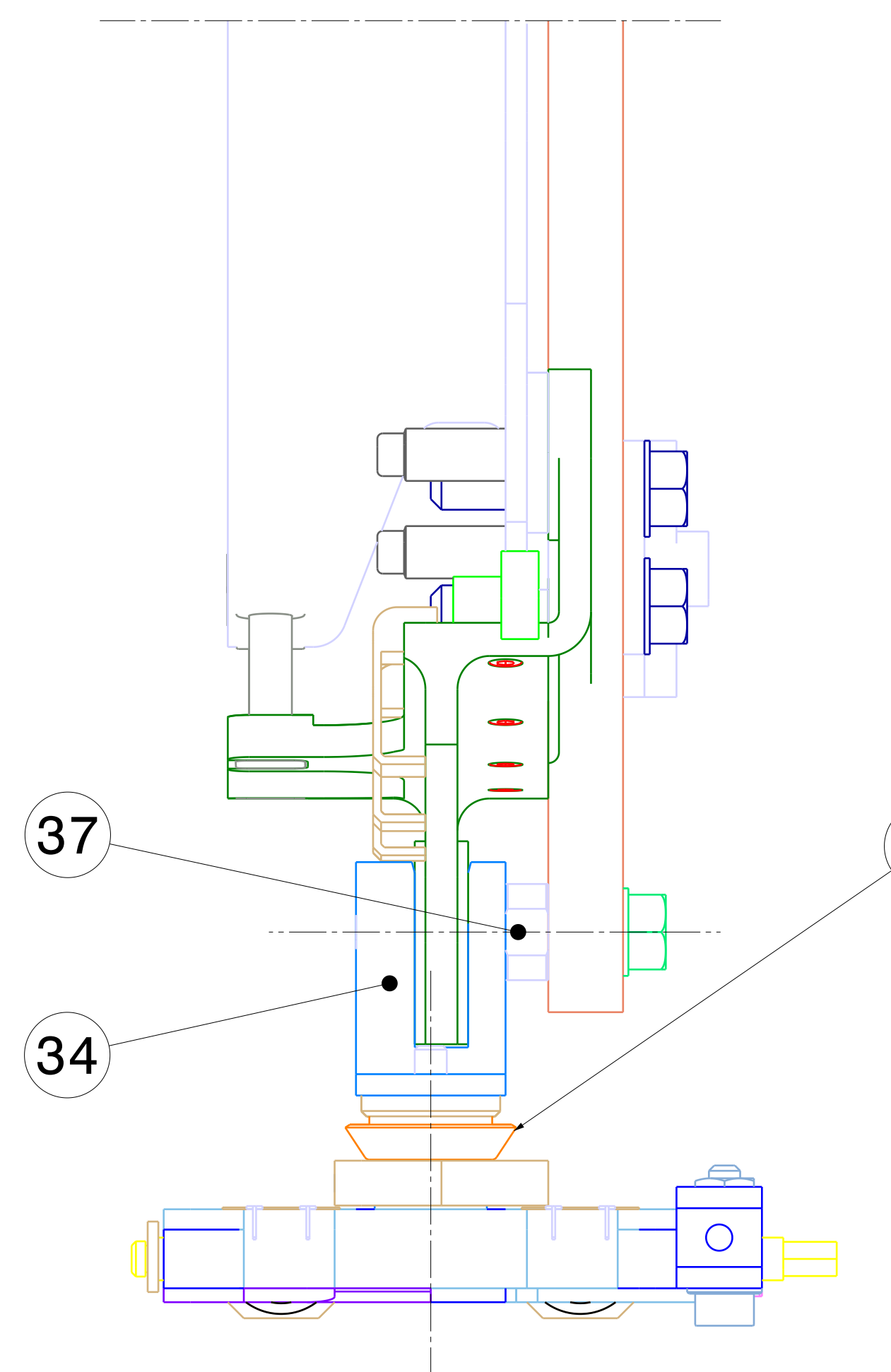
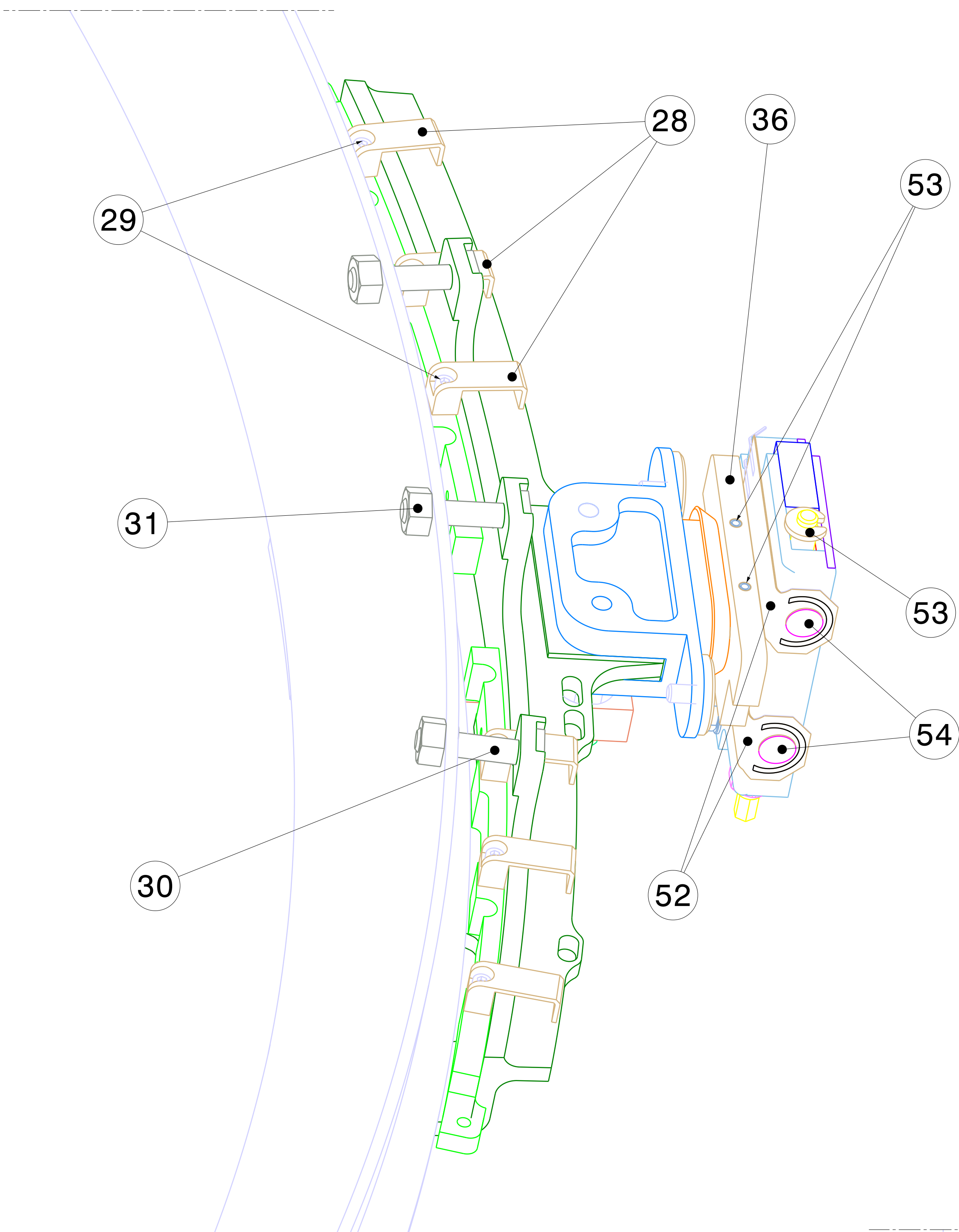
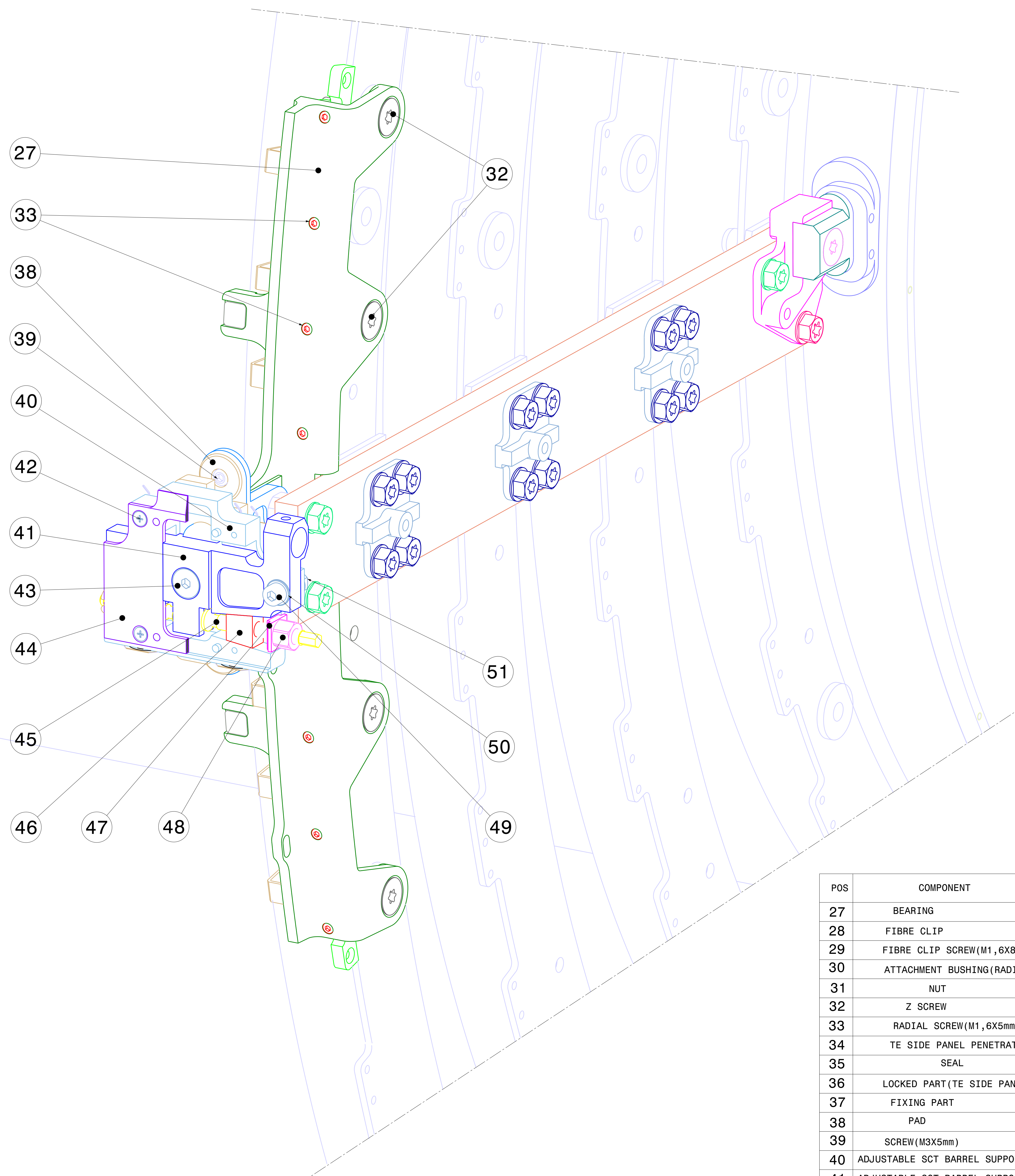
POS	COMPONENT	COMPOSITION	MASS(g)	NUMBER OF PIECES (TOTAL)	REMARKS
7	HORIZONTAL PENETRATION(PIXEL SIDE)	AL 7075	12,7	4	2(LEFT PART)+2(RIGHT PART)
8	LOCK RING(TE INNER CYLINDER)	PEEK	1,75	4	2(LEFT PART)+2(RIGHT PART)
9	PIN BLOCK SUPPORT(PIXEL SIDE)	AL 7075	10,5	2	LEFT PART
10	SEAL	EPDM	0,3	12	
11	SPRING PIN(DIAM 2,5X14)	STAINLESS STEEL	0,35	8	
12	PIN BLOCK	AL 7075	4,3	8	POSITION:DEG 0,90,180,270
13	PIN BLOCK	AL 7075	4,41	8	POSITION:DEG 0,90,180,270
14	PIN BLOCK	AL 7075	4,75	8	POSITION:DEG 0,90,180,270
15	PIN BLOCK SUPPORT(PIXEL SIDE)	AL 7075	10,5	2	RIGHT PART
16	HORIZONTAL INTERLINK PROFILE	CFRP	99,3	2	LEFT PART POSITION:DEG 180(Z+),DEG 0(Z-)
17	HORIZONTAL INTERLINK PROFILE	CFRP	99,3	2	RIGH PART POSITION:DEG 0(Z+),DEG 180(Z-)
18	INTERLINK PROFILE	CFRP	86,5	8	POSITION:DEG 90,225,270,315
19	PIN BLOCK SUPPORT(PIXEL SIDE)	AL 7075	7,62	8	POSITION:DEG 90,225,270,315
20	PENETRATION(PIXEL SIDE)	AL 7075	12,7	8	POSITION:DEG 90,225,270,315
21	LOCK RING(TE INNER CYLINDER)	PEEK	1,7	8	POSITION:DEG 90,225,270,315
22	INTERLINK PROFILE	CFRP	87	4	POSITION :DEG 45,135
23	PIN BLOCK	AL 7075	3	4	POSITION:DEG 45,135
24	PIN BLOCK	AL 7075	2,7	8	POSITION:DEG 45,135,225,315
25	PIN BLOCK	AL 7075	2,8	8	POSITION:DEG 45,135,225,315
26	PIN BLOCK	AL 7075	3,5	8	POSITION:DEG 45,135,225,315



**DETAIL C** ( INTERLINK TYPE 3 )  
Echelle : 1:1

CERN DRAWING NUMBER:ATLISBB\_0043

DESIGNED BY: G. BARBIER	DATE: 1/03/2007	SCALE: 1:2;(1:1)	UNIVERSITE DE GENEVE	24, Quai E. Assolant, 1211 GENEVE 4 TE:0041223796111, Fax:0041227812192
PROJECT: ATLAS BB	DRAWING NUMBER: GE-ATLAS-BB-038(2of3)	REV	NAME	DATE
		A	xxx	xxx
		B		
		C		
		D		
		E		
		F		
		G		
		H		



POS	COMPONENT	COMPOSITION	MASS (g)	QUANTITY (TOTAL)	REMARKS
27	BEARING	CFRP/PEEK	49	4	
28	FIBRE CLIP	PEEK	0,25	24	
29	FIBRE CLIP SCREW(M1,6X8mm)	ALUMINIUM	0,07	24	
30	ATTACHMENT BUSHING(RADIAL)	ALUMINIUM 7075	0,9	12	QTY:3/BEARING
31	NUT	ALUMINIUM 7075	0,5	12	QTY:3/BEARING
32	Z SCREW	ENDLESS CARBON FIBRE/PEEK	0,7	16	QTY:4/BEARING
33	RADIAL SCREW(M1,6X5mm)	ALUMINIUM	0,05	32	QTY:8/BEARING
34	TE SIDE PANEL PENETRATION	ALUMINIUM 7075	27,2	4	
35	SEAL	EPDM	0,3	4	
36	LOCKED PART (TE SIDE PANEL)	PEEK	3,3	4	
37	FIXING PART	ALUMINIUM 7075	1,49	8	USE ALSO TO ATTACH HORIZONTAL INTERLINK
38	PAD	PEEK	0,3	8	
39	SCREW(M3X5mm)	ALUMINIUM	0,14	8	
40	ADJUSTABLE SCT BARREL SUPPORT	ALUMINIUM 7075	14,6	4	MOBILE PART
41	ADJUSTABLE SCT BARREL SUPPORT	ALUMINIUM 7075	13,15	4	FIXED PART
42	SCREW(M2X4mm)	STAINLESS STEEL	0,13	16	A4 QUALITY(NON-MAGNETIC)
43	SCREW (M4X12mm)	STAINLESS STEEL	1,4	4	A4 QUALITY(NON-MAGNETIC)
44	FLANGE	ALUMINIUM 7075	4,83	4	
45	DRIVING SCREW	STAINLESS STEEL(AISI 316L)	6,12	4	NON-MAGNETIC
46	CONICAL PAD	BRASS	2,54	8	
47	STOP SPACER	PEEK	0,11	4	
48	CHECK NUT	PEEK	0,22	4	
49	LOCKING SCREW(M3X12mm)	STAINLESS STEEL	1,12	4	A4 QUALITY(NON-MAGNETIC)
50	WASHER	STAINLESS STEEL	0,12	8	A4 QUALITY(NON-MAGNETIC)
51	NUT	STAINLESS STEEL	0,4	4	A4 QUALITY(NON-MAGNETIC)
52	SENSOR	polyester/polyimide silver(conductive material)	0,2	8	FlexiForce from TEKSCAN company
53	SRING PIN(2 diamX20)	STAINLESS STEEL	0,3	8	A4 QUALITY(NON-MAGNETIC)
54	SPACER	woven glass fabric epoxy resin	0,017	8	RAIL- SENSOR INTERFACE(GLUED ON SENSOR)

CERN DRAWING NUMBER:ATLISBB\_0043

DESIGNED BY: G. BARBIER	DATE: 1/03/2007	SCALE:	DRAWING NAME: INTERLINKS, B6 BEARING, PENETRATIONS&SUPPORTS LIST OF COMPONENTS	REV	NAME	DATE
SIZE: A0			UNIVERSITE DE GENEVE 24, Quai E. Ansermet, 1211 GENEVE 4 Tel:0041223796111, Fax:0041227812192	A	xxx	xxx
PRODUCT: ATLAS BB				DRAWING NUMBER: GE-ATLAS-BB-038(3of3)	B	
				C		
				E		
				F		
				G		
				H		