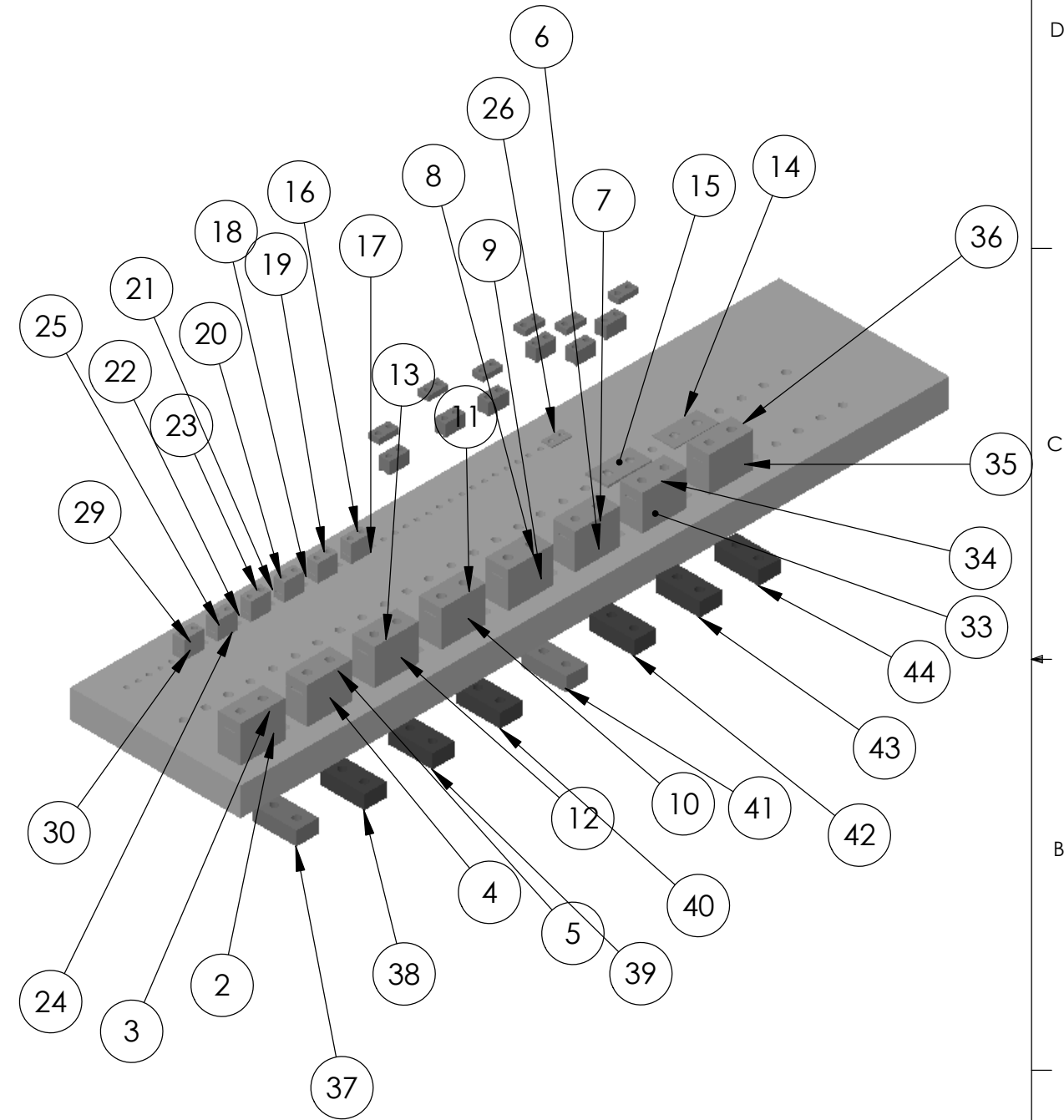


ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	DESCRIPTION	MATERIAL
1	1	1	2	D020678	Adapter Plate for Library of Clamps	300 SSSL
2	1	1	2	D020307	upperbladeclamp lowerside	300 SSSL
3	1	1	2	D020116	UPPER BLADE CLAMP UPPER SIDE 0.0 DEGREE	300 SSSL
4	1	1	2	D020321	upperbladeclamp lowerside ANGLED 0.5degree	300 SSSL
5	1	1	2	D020325	upperbladeclamp upperside ANGLED 0.5degree	300 SSSL
6	1	1	2	D020324	upperbladeclamp lowerside ANGLED 2.5degree	300 SSSL
7	1	1	2	D020328	upperbladeclamp upperside ANGLED 2.5degree	300 SSSL
8	1	1	2	D020312	upperbladeclamp upperside ANGLED	300 SSSL
9	1	1	2	D020311	upperbladeclamp lowerside ANGLED	300 SSSL
10	1	1	2	D020323	upperbladeclamp lowerside ANGLED 1.5degree	300 SSSL
11	1	1	2	D020327	upperbladeclamp upperside ANGLED 1.5degree	300 SSSL
12	1	1	2	D020322	upperbladeclamp lowerside ANGLED 1.0degree	300 SSSL
13	1	1	2	D020326	upperbladeclamp upperside ANGLED 1.0degree	300 SSSL
14	8	1	9	D020679	UPPER BLADE CLAMP LOWERSIDE SHIM 1mm	300 SSSL
15	4	1	5	D020680	UPPER BLADE CLAMP LOWERSIDE SHIM 2mm	300 SSSL
16	2	2	4	D020340	lowerbladeclamp upperside angled 2.5degree	300 SSSL
17	2	2	4	D020336	lowerbladeclamp lowerside angled 2.5degree	300 SSSL
18	2	2	4	D020313	lowerbladeclamp lowerside angled	300 SSSL
19	2	2	4	D020314	lowerbladeclamp upperside angled	300 SSSL
20	2	2	4	D020339	lowerbladeclamp upperside angled 1.5degree	300 SSSL
21	2	2	4	D020335	lowerbladeclamp lowerside angled 1.5degree	300 SSSL
22	2	2	4	D020334	lowerbladeclamp lowerside angled 1.0degree	300 SSSL
23	2	2	4	D020338	lowerbladeclamp upperside angled 1.0degree	300 SSSL
24	2	2	4	D020333	lowerbladeclamp lowerside angled 0.5degree	300 SSSL
25	2	2	4	D020337	lowerbladeclamp upperside angled 0.5degree	300 SSSL
26	8	1	9	D020682	LowerBladeClamps Shim 1mm	300 SSSL
27	1	1	2	D020205	UPPER BLADE	MARAGING STEEL C250
28	1	1	2	D020205	UPPER BLADE	MARAGING STEEL C250
29	2	2	4	D020119	LOWER BLADE CLAMP UPPER SIDE	300 SSSL
30	2	2	4	D020308	lowerbladeclamp lowerside	300 SSSL
31	1	1	2	D020201	LowerBlade	MARAGING STEEL C250
32	1	1	2	D020201	LowerBlade	MARAGING STEEL C250
33	1	1	2	D020687	UpperBladeClamp Lowerside Angled 3.0degree	300 SSSL
34	1	1	2	D020689	UpperBladeClamp Upperside Angled 3.0degree	300 SSSL
35	1	1	2	D020688	UpperBladeClamp Lowerside Angled 3.5degree	300 SSSL
36	1	1	2	D020690	UpperBladeClamp Upperside Angled 3.5degree	300 SSSL
37	1	1	2	D030459	RA UPPER BLADE CLAMP LOWER SIDE 0.0 DEGREE	300 SSSL
38	1	1	2	D030460	ROTAIONAL ADJUSTER UPPER BLADE CLAMP LOWER SIDE ANGLED 0.5 DEGREE	300 SSSL
39	1	1	2	D030461	ROTAIONAL ADJUSTER UPPER BLADE CLAMP LOWER SIDE ANGLED 1.0 DEGREE	300 SSSL
40	1	1	2	D030462	ROTAIONAL ADJUSTER UPPER BLADE CLAMP LOWER SIDE ANGLED 1.5 DEGREE	300 SSSL
41	1	1	2	D030463	ADVANCED LIGO SUS MC ROTAIONAL ADJUSTER UPPER BLADE CLAMP LOWER SIDE 2.0 DEGREE	300 SSSL
42	1	1	2	D030464	ADVANCED LIGO SUS MC ROTAIONAL ADJUSTER UPPER BLADE CLAMP LOWER SIDE ANGLED 2.5 DEGREE	300 SSSL
43	1	1	2	D030465	ADVANCED LIGO SUS MC ROTAIONAL ADJUSTER UPPER BLADE CLAMP LOWER SIDE ANGLED 3.0 DEGREE	300 SSSL
44	1	1	2	D030466	ADVANCED LIGO SUS MC ROTAIONAL ADJUSTER UPPER BLADE CLAMP LOWER SIDE ANGLED 2.5 DEGREE	300 SSSL

REV.	DATE	DCN #	DRAWING TREE #
A	24 JUNE 2004	E040303-00	



D020677_Assembly_LibraryofClamps.step

NOTES: (UNLESS OTHERWISE SPECIFIED)		PARTS LIST							
1. DIMENSIONS IN INCHES. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE, SUCH AS CINCINNATI MILACRON'S CIMTECH 410 (STAINLESS STEEL) 4. THE LIBRARY OF CLAMPS WERE DRAWN AND DESIGNED BY CALUM TORRIE, MIKE PERREUR-LLOYD* and RUSSELL JONES * 5. MIKE PERREUR LLOYD* ADDED RELATED DIMENSIONS TO LINK THE LIBRARY OF CLAMPS TO BOTH THE UPPER AND LOWER CANTILEVER BLADES * IGR, UNIVERSITY OF GLASGOW GEO 600 GROUP		<table border="1"> <tr><td>NAME</td><td>DATE</td></tr> <tr><td>CIT, MPL, RJ</td><td>02/10/03</td></tr> <tr><td>CHECKED</td><td></td></tr> </table>	NAME	DATE	CIT, MPL, RJ	02/10/03	CHECKED		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY IGR, UNIVERSITY OF GLASGOW GEO 600 GROUP
NAME	DATE								
CIT, MPL, RJ	02/10/03								
CHECKED									
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± 0.05 .XXX ± 0.001 ANGULAR ± 0.5 °		SYSTEM ADVANCED LIGO SUB-SYSTEM SUS NEXT ASSY MC: LIBRARY OF CLAMPS PART NAME ASSEMBLY LIBRARY OF CLAMPS SIZE DWG. NO. B D020677 REV. A SCALE: NTS PROJECTION: SHEET 1 OF 1							