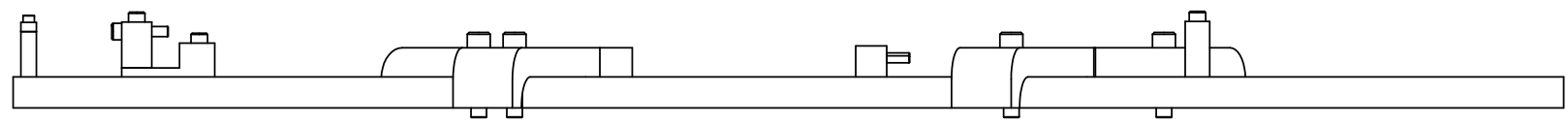


REV.	DATE	DCN #	DRAWING TREE #
A	24 JUNE 2004	E040303-00	



D020161\_ASSEMBLY\_UPPER\_WIRE\_JIG.step

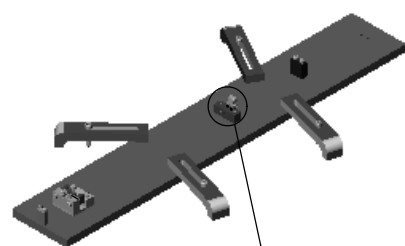
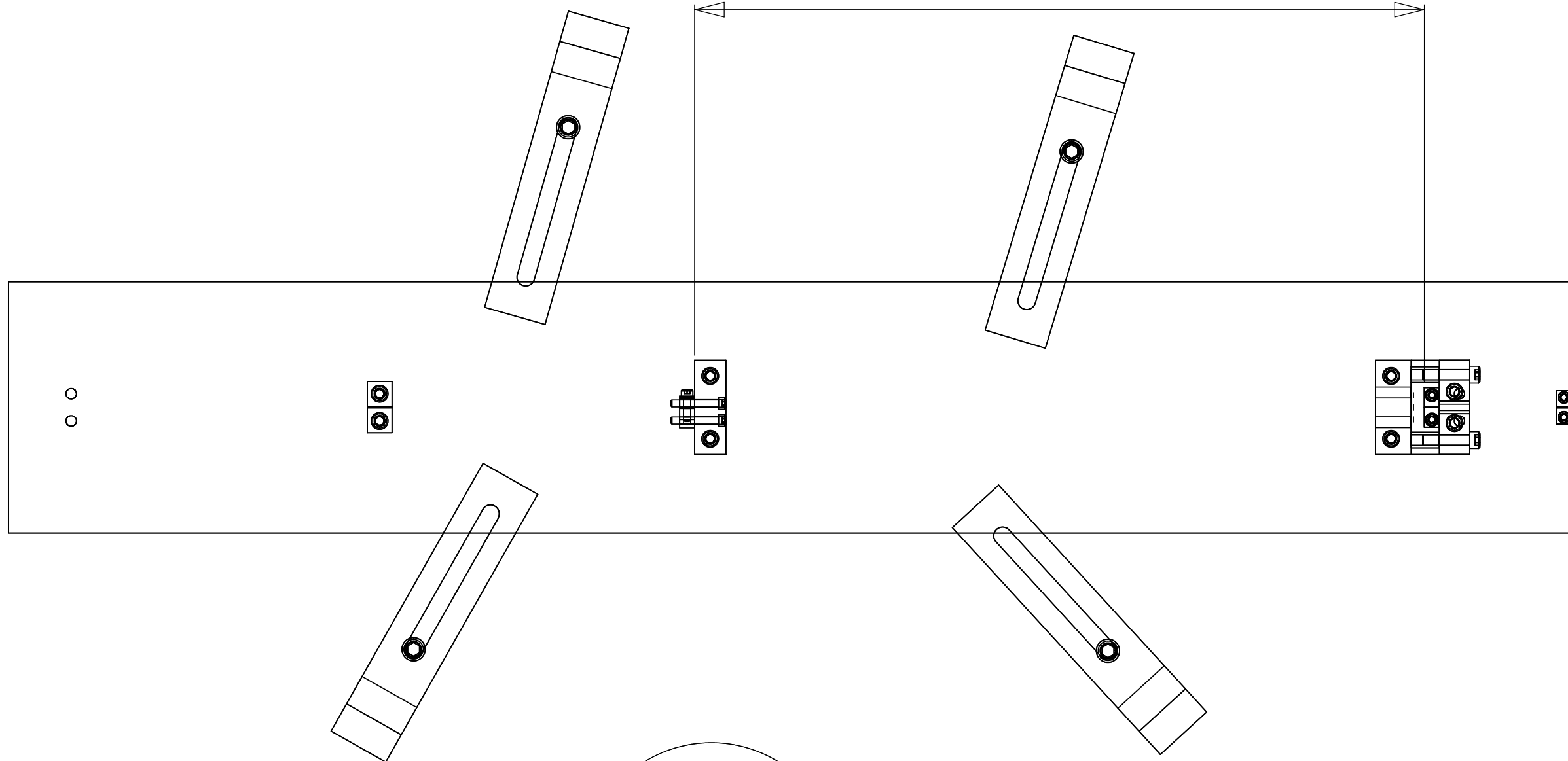
ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	DESCRIPTION	MATERIAL
15	4	3	7		SST SOCKET HEAD CAP SCREW 0.25-20 UNC-3A X 1.125 LONG	300 SSTL
14	4	1	5	D980184	LOS CLAMP LONG	300 SSTL
13	2	1	3		SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 0.75 LONG	300 SSTL
12	2	1	3		SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 0.875 LONG	300 SSTL
11	2	1	3		SST SOCKET HEAD CAP SCREW #4-40 UNC-3A X 1.25 LONG	300 SSTL
10	2	1	3		Ag-SST SOCKET HEAD CAP SCREW #4-40 UNC-3A X 0.75 LONG	300 SSTL
9	4	3	7		SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 0.625 LONG	300 SSTL
8	2	2	4		SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 1.125 LONG	300 SSTL
7	1	0	1	D020501	BAR JIG ADJUSTER	6061-T6-AI
6	1	1	2	D020380	WIRE START CLAMP UPPER	6061-T6-AI
5	1	0	1	D020540	WIRE START MATCHED HEIGHT (GROOVED CLAMP)	6061-T6-AI
4	1	0	1	D020440	UPPER WIRE HEIGHT BALANCE	6061-T6-AI
3	1	0	1	D020154	BAR JIG STEP PLATE	6061-T6-AI
2	1	0	1	D020158	ANGLED ATTACHMENT FOR UPPER BLADE WIRE CLAMP	6061-T6-AI
1	1	1	2	D020153	BAR JIG (UPPER AND INT. WIRE)	6061-T6-AI

NOTES: (UNLESS OTHERWISE SPECIFIED)		PARTS LIST	
1) WIRE USED IS 0.014 THOU DIAMETER MUSIC WIRE. 2) MASS SUSPENDED IS 4.5kg, THIS SHOULD BE LEFT FOR APPROX. 1 HOUR. 3) CLAMP-WIRE-CLAMP ASSEMBLY SHOULD BE REMOVED BY LOOSENING D020158, ITEM NO. 8		NAME	DATE
		DRAWN	CIT 02/03/03
		CHECKED	
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± 0.01 .XXX ± 0.005 ANGULAR ± 0.5 °		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
		<b>SYSTEM</b> ADVANCED LIGO	
		<b>SUB-SYSTEM</b> SUS	
<b>PART NAME</b> ASSEMBLY UPPER WIRE JIG		<b>NEXT ASSY</b> MC: WIRE JIG	
		<b>SIZE</b> DWG. NO. D020161 REV. A	
SCALE: NTS PROJECTION:  SHEET 1 OF 2		FILE NAME/LOCATION:	

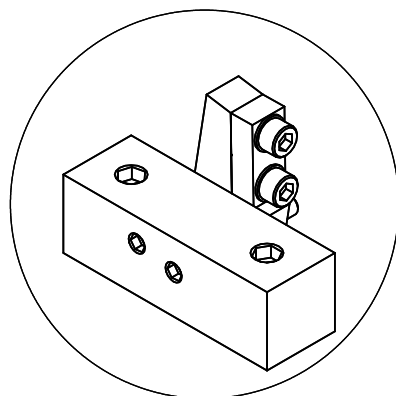
FILE NAME/LOCATION: ERROR!File name / Location

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

295 mm



A



A (1 : 1)

PARTS LIST			
NOTES: (UNLESS OTHERWISE SPECIFIED)			
1. REMOVE ALL SHARP EDGES, R.02 MIN. 2. DO NOT SCALE FROM DRAWING. 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 SCRIBE, ENGRAVE OR STAMP DRAWING PARTNUMBER ON NOTED SURFACE OF PART AND A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST PART AND PROCEED CONSECUTIVELY. USE .07" HIGH CHARACTERS. EXAMPLE: D020188- 001. A VIBRATORY TOOL MAY BE USED.	DIMENSIONS ARE IN INCHES		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY
	TOLERANCES:		
	.XX ± 0.01		
	.XXX ± 0.005		
ANGULAR ± 0.5 °		SYSTEM <b>ADVANCED LIGO</b> SUB-SYSTEM <b>SUS</b> NEXT ASSY <b>MC: WIRE JIG</b> PART NAME <b>ASSEMBLY UPPER WIRE JIG</b>	
MATERIAL		SIZE DWG. NO. <b>D020161</b> REV.	
FINISH		SCALE: 1:10 PROJECTION:  SHEET 2 OF 2	
DRAWN		NAME	DATE
CHECKED			
APPROVED			