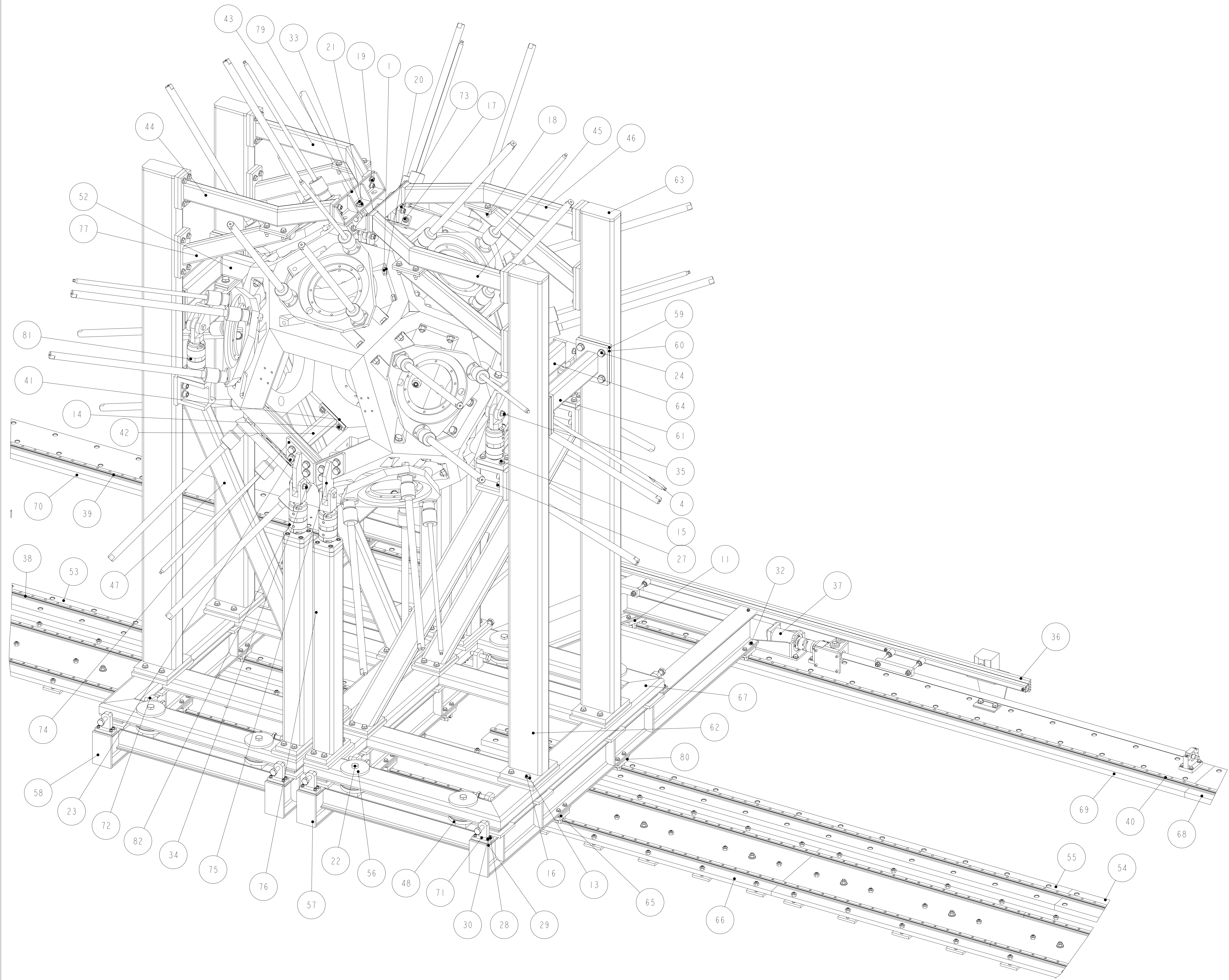
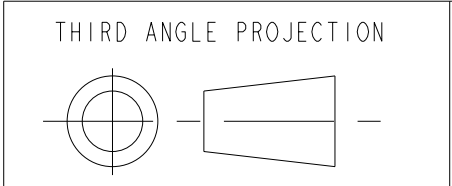




ITEM	PART/CAD No	DWG TITLE	MATERIAL	REMARK	QTY
1	M16X110-HEX-HD	M16 X 2 PITCH HEX HEAD BOLT 110 LONG	ST. STEEL	ALL FLANGE TO FLANGE FASTENING	44
2	NP44-01-020	CLUSTER DETECTOR CARRIAGE ASSEMBLY		SEE SHEET 1	15
3	NP44-01-352	FLANGE TYPE 1 ASSEMBLY		SEE SHEET 1	3
4	NP44-01-353	FLANGE TYPE 2 ASSEMBLY		SEE SHEET 1	1
5	NP44-01-354	FLANGE TYPE 3 ASSEMBLY		SEE SHEET 1	2
6	NP44-01-355	FLANGE TYPE 4 ASSEMBLY		SEE SHEET 1	4
7	NP44-01-356	FLANGE TYPE 5 ASSEMBLY		SEE SHEET 1	2
8	NP44-01-357	FLANGE TYPE 6 ASSEMBLY		SEE SHEET 1	2
9	NP44-01-358	FLANGE TYPE 7 ASSEMBLY		SEE SHEET 1	1
10	NP44-01-099	ROSE BEARING SPACING RING		SEE SHEET 1	22
11	NP44-01-346	TRACK CARRIAGE ASSEMBLY (ANGLED - L.H)		SEE SHEET 1	1
12	NP44-01-347	TRACK CARRIAGE ASSEMBLY (ANGLED - R.H)		SEE SHEET 1	1
13	M12-WASHER	M12 WASHER	ST. STEEL		163
14	M12X35-HEX-HD	M12 X 1.75 PITCH HEX HEAD BOLT 35 LONG	ST. STEEL		8
15	M12X40-HEX-HD	M12 X 1.75 PITCH HEX HEAD BOLT 40 LONG	ST. STEEL		16
16	M12X50-HEX-HD	M12 X 1.75 PITCH HEX HEAD BOLT 50 LONG	ST. STEEL		96
17	M12X80-HEX-HD	M12 X 1.75 PITCH HEX HEAD BOLT 80 LONG	ST. STEEL		6
18	M12-NUT	M12 X 1.75 PITCH NUT	ST. STEEL		29
19	M12X35-SKT-HD	M12 X 1.75 PITCH SKT HEAD CAP SCREW 35 LONG	ST. STEEL		24
20	M16-WASHER	M16 WASHER	ST. STEEL		154
21	M16-HALF-NUT	M16 X 2 PITCH HALF NUT	ST. STEEL		6
22	M16X120-HEX-HD	M16 X 2 PITCH HEX HEAD BOLT 120 LONG	ST. STEEL		8
23	M16X40-HEX-HD	M16 X 2 PITCH HEX HEAD BOLT 40 LONG	ST. STEEL		16
24	M16X50-HEX-HD	M16 X 2 PITCH HEX HEAD BOLT 50 LONG	ST. STEEL		20
25	M16X95-HEX-HD	M16 X 2 PITCH HEX HEAD BOLT 95 LONG	ST. STEEL		4
26	M16-NUT	M16 X 2 PITCH NUT	ST. STEEL		48
27	M16X50-SKT-HD	M16 X 2 PITCH SKT HEAD CAP SCREW 50 LONG	ST. STEEL		16
28	M6-WASHER	M6 WASHER	ST. STEEL		128
29	M6-NUT	M6 X 1 PITCH NUT	ST. STEEL		64
30	M6X35-SKT-HD	M6 X 1 PITCH SKT HEAD CAP SCREW 35 LONG	ST. STEEL		64
31	M8-WASHER	M8 WASHER	ST. STEEL		48
32	M8X30-HEX-HD	M8 X 1.25 PITCH HEX HEAD SCREW 30 LONG	ST. STEEL		48
33	MMD16K-ROD-END	16 DIAMETER ROD END			3
34	NP44-01-241	16 DIAMETER SHOULDER BOLT (70 LONG)			7
35	NP44-01-246	16 DIAMETER SHOULDER BOLT (78 LONG)			4
36	162-10230	1600 STROKE GUIDE ASSEMBLY			1
37	162-10210	1600 STROKE MOTOR ASSEMBLY			1
38	001-11233	1840 RAIL			1
39	001-11234	2755 RAIL			1
40	001-11232	4622 RAIL			2
41	NP44-01-384	6 ARRAY FRAME SPACER SHIM			4
42	NP44-01-381	6 ARRAY FRAME SPACING BEAM WELDED ASSEMBLY			1
43	NP44-01-376	6 ARRAY SUPPORT ARM WELDED ASSEMBLY (L.H)			1
44	NP44-01-379	6 ARRAY SUPPORT ARM WELDED ASSEMBLY (R.H)			1
45	NP44-01-055	9 ARRAY SUPPORT ARM WELDED ASSEMBLY (L.H)			1
46	NP44-01-075	9 ARRAY SUPPORT ARM WELDED ASSEMBLY (R.H)			1
47	NP44-01-050	ANGLED SUPPORT STRUT WELDED ASSEMBLY			4
48	NP44-01-236	CLAMP SPACER			8
49	162-10171	G.S.1 CRANE GANTRY			1
50	162-10161	G.S.1 CRANE PILLAR			1
51	RSB-006	G.S.1 TABLE			1
52	NP44-01-320	HANGER BRACKET WELDED ASSEMBLY			2
53	162-10213	INNER RAIL PLATE (1845 LONG) (R.H)			1
54	162-10224	INNER RAIL PLATE (1875 LONG) (L.H)			1
55	162-10212	INNER RAIL PLATE (2755 LONG) (L.H)			1
56	NP44-01-197	LOCKING PLATE			8
57	NP44-01-409	MAIN CARRIAGE WELDED ASSEMBLY VERSION (L.H)			1
58	NP44-01-410	MAIN CARRIAGE WELDED ASSEMBLY VERSION (R.H)			1
59	NP44-01-118	MAIN PILLAR SPACER SHIM			8
60	NP44-01-119	MAIN PILLAR SPACER SHIM			8
61	NP44-01-117	MAIN PILLAR SPACER WELDED ASSEMBLY			2
62	NP44-01-026	MAIN PILLAR WELDED ASSEMBLY (L.H)			2
63	NP44-01-031	MAIN PILLAR WELDED ASSEMBLY (R.H)			2
64	NP44-01-301	MAIN TURNBUCKLE SPANNING BEAM WELDED ASSEMBLY			2
65	NP44-01-273	MINIBALL CARRIAGE SPACING PAD			4
66	162-10280	MINIBALL RAIL SYSTEM			1
67	NP44-01-362	MOVING BED ASSEMBLY			2
68	162-10223	OUTER RAIL PLATE (1875 LONG) (L.H)			1
69	162-10209	OUTER RAIL PLATE (2755 LONG) (L.H)			1
70	162-10216	OUTER RAIL PLATE (2760 LONG) (R.H)			1
71	NP44-01-230	PUSHER ASSEMBLY (EXTERNAL)			8
72	NP44-01-220	PUSHER ASSEMBLY (INTERNAL)			8
73	NP44-01-374	ROD END BRACKET			3
74	NP44-01-368	SHORT PILLAR TO FRAME BRACKET WELDED ASSEMBLY (L.H)			2
75	NP44-01-367	SHORT PILLAR TO FRAME BRACKET WELDED ASSEMBLY (R.H)			2
76	NP44-01-042	SHORT PILLAR WELDED ASSEMBLY			4
77	NP44-01-059	SUPPORT BRACE WELDED ASSEMBLY			4
78	23-DIA-CHAMBER-ASSY	TARGET CHAMBER			1
79	NP44-01-380	TOP DETECTORS SUPPORT ANGLE WELDED ASSEMBLY			2
80	NP44-01-190	TRACK CARRIAGE ASSEMBLY			10
81	NP44-01-260	TURNBUCKLE ASSEMBLY (MAIN PILLAR)			4
82	NP44-01-247	TURNBUCKLE ASSEMBLY (SHORT PILLAR)			4

A	13-JUL-05	D.SEDDON	FIRST ISSUE
ISSUE	DATE	NAME	DESCRIPTION
MODIFICATIONS			

UNLESS OTHERWISE SPECIFIED:- ALL DIMENSIONS IN MILLIMETRES SURFACE TEXTURE VALUES IN MICROMETRES SURFACE TEXTURE TO BE NR MACHINE ALL OVER OR WHERE MARKED ✓ REMOVE BURRS AND BREAK SHARP EDGES				METRIC SCREW THREADS TO BS3643 CLASS 6H/6g TOLERANCES UNLESS OTHERWISE SPECIFIED MACHINED DIMS. ± 0.25 ANGULAR ± 0.15 ° DO NOT SCALE		DRAWING PRACTICE AND TOLERANCE INTERPRETATION TO BS308 MATERIAL SPEC TREATMENT FINISH NATURAL		WELDING SYMBOLS TO BS 499 DRAWN DATE 13-JUL-05 CHECKED APPROVED		THE UNIVERSITY OF LIVERPOOL DEPARTMENT OF PHYSICS PROJECT RISING STOPPED BEAM TITLE GENERAL ARRANGEMENT DRAWING NUMBER NP44-01-001 SHEET 2 OF 2 SHEETS SCALE Ø, 1:50		ARRGT. DRAWING	
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