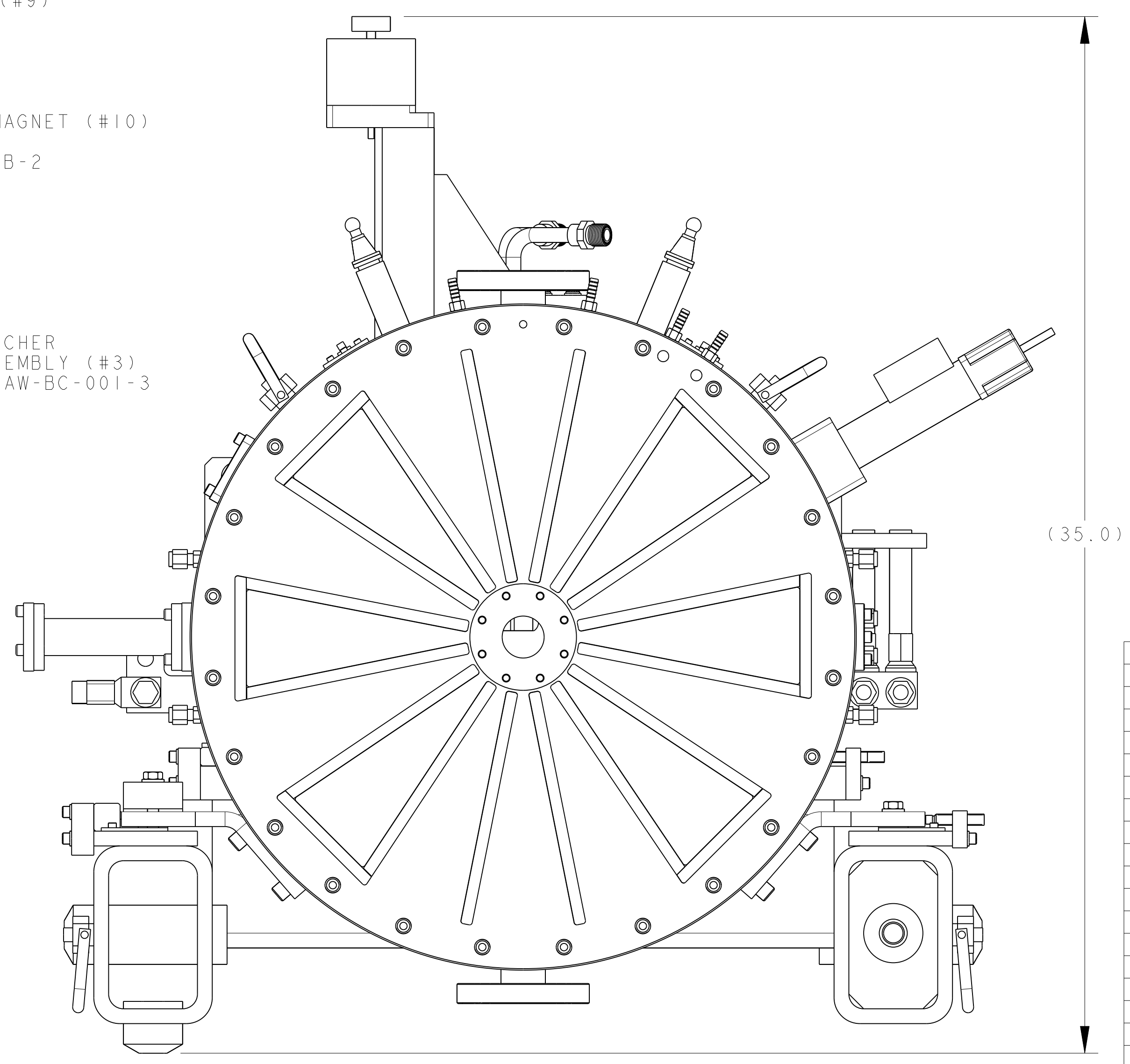
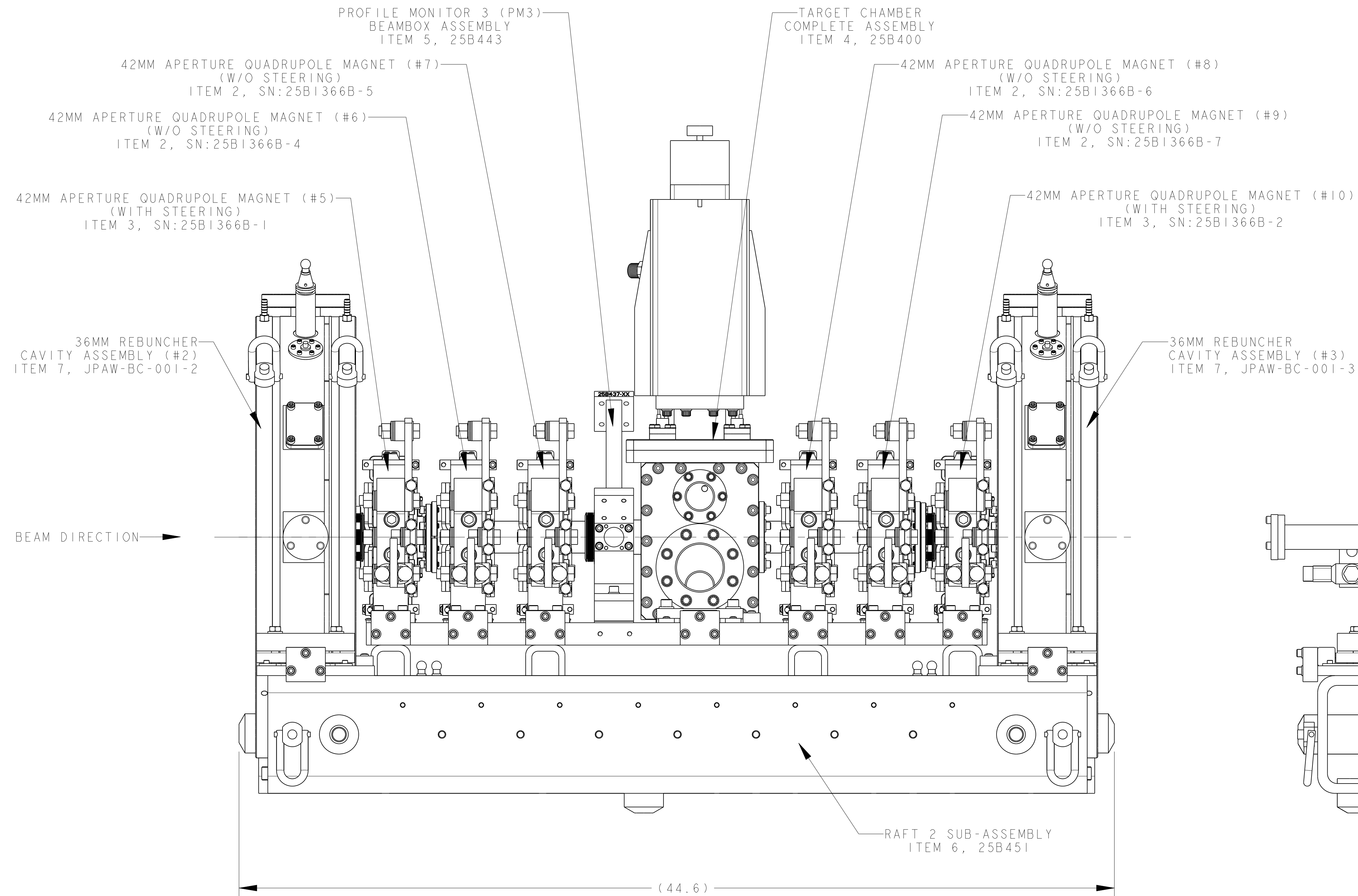
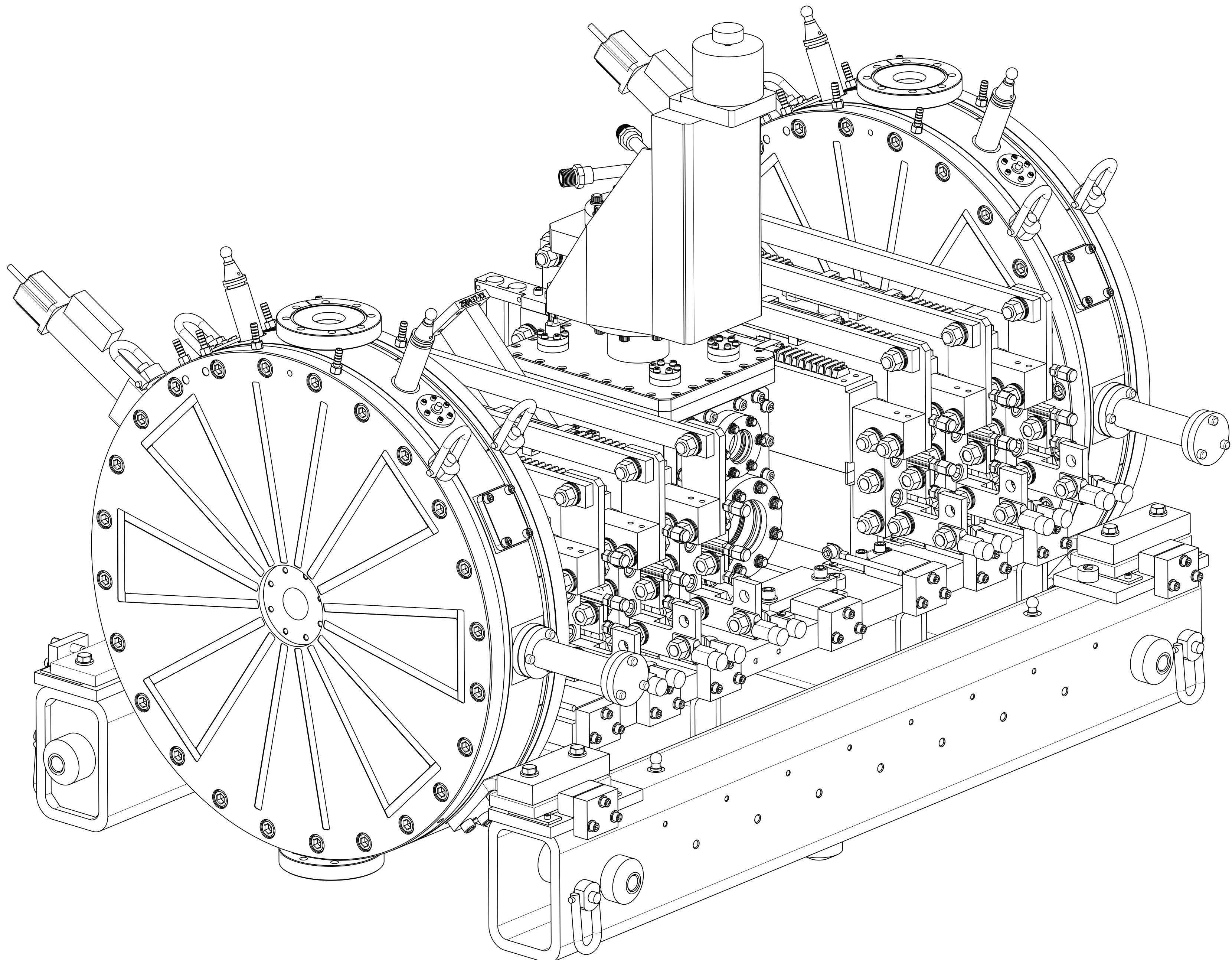
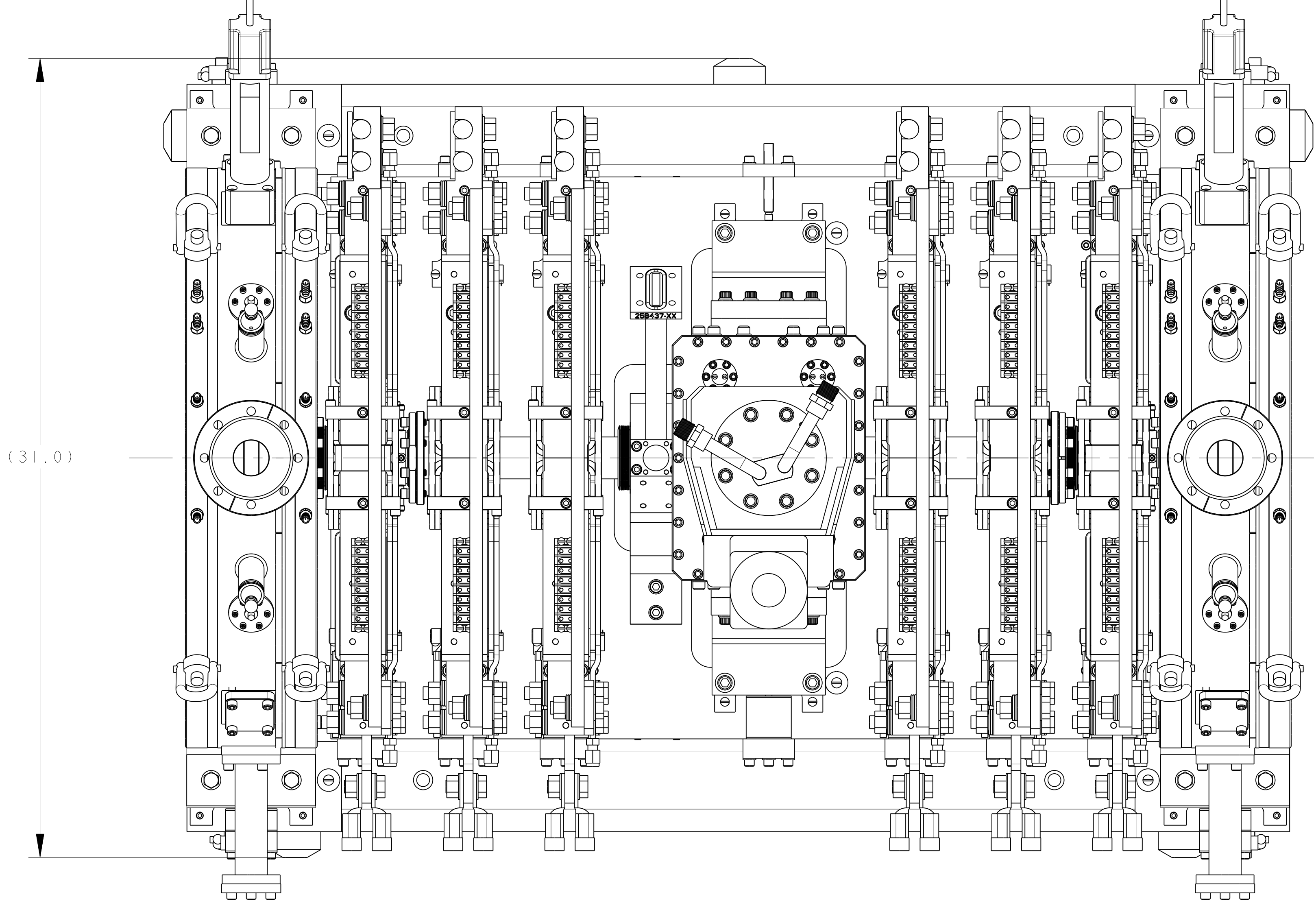
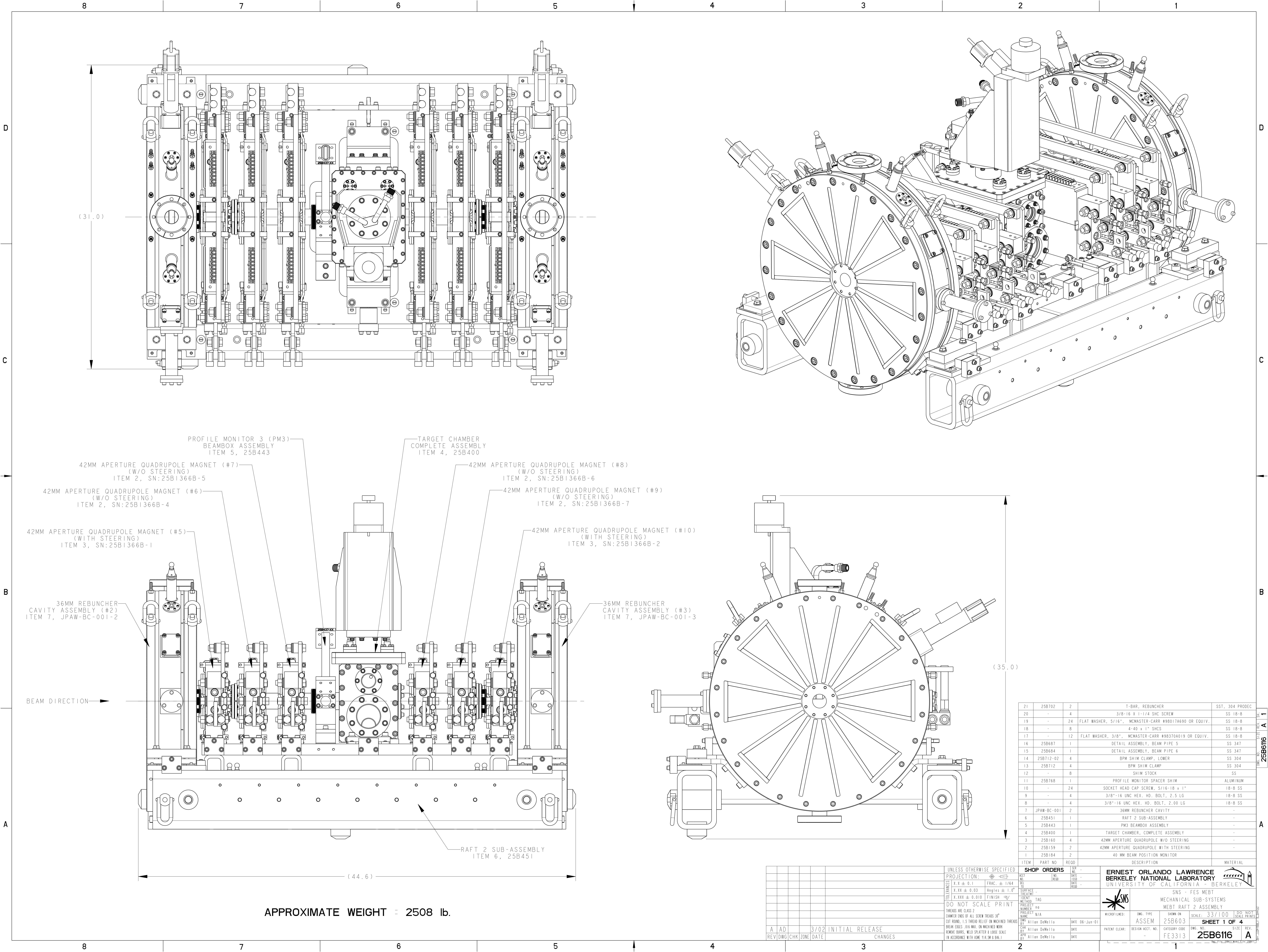




APPROXIMATE WEIGHT = 2508 lb.

21	25B102	2	T-BAR, REBUNCHER	SST, 304 PRODEC
20	-	4	3/8-16 X 1-1/4 SHC SCREW	SS 18-8
19	-	24	FLAT WASHER, 5/16", MCMASTER-CARR #88017A690 OR EQUIV.	SS 18-8
18	-	8	4-40 X 1" SHCS	SS 18-8
17	-	12	FLAT WASHER, 3/8", MCMASTER-CARR #9830A019 OR EQUIV.	SS 18-8
16	25B687	1	DETAIL ASSEMBLY, BEAM PIPE 5	SS 347
15	25B684	1	DETAIL ASSEMBLY, BEAM PIPE 6	SS 347
14	25B712-02	4	BPM SHIM CLAMP, LOWER	SS 304
13	25B712	4	BPM SHIM CLAMP	SS 304
12	-	8	SHIM STOCK	SS
11	25B768	1	PROFILE MONITOR SPACER SHIM	ALUMINUM
10	-	24	SOCKET HEAD CAP SCREW, 5/16-18 X 1"	18-8 SS
9	-	4	3/8"-16 UNC HEX. HD. BOLT, 2.5 LG	18-8 SS
8	-	4	3/8"-16 UNC HEX. HD. BOLT, 2.00 LG	18-8 SS
7	JPAW-BC-001	2	36MM REBUNCHER CAVITY	-
6	25B451	1	RAFT 2 SUB-ASSEMBLY	-
5	25B443	1	PM3 BEAMBOX ASSEMBLY	-
4	25B400	1	TARGET CHAMBER, COMPLETE ASSEMBLY	-
3	25B160	4	42MM APERTURE QUADRUPOLE W/O STEERING	-
2	25B159	2	42MM APERTURE QUADRUPOLE WITH STEERING	-
1	25B184	2	40 MM BEAM POSITION MONITOR	-
ITEM	PART NO	QTY	DESCRIPTION	MATERIAL

UNLESS OTHERWISE SPECIFIED

PROJECTION:

TOLERANCES:
X.X ± 0.1
X.XX ± 0.03
X.XXX ± 0.010
FINISH: 125/
DO NOT SCALE PRINT
HARDENING CLASS 2
CUT ROUNDS OF ALL SCREW THREADS 30°
CUT ROUNDS, 0.015 MAX. ON MACHINED WORK
BREAK EDGES, 0.015 MAX. ON MACHINED WORK
REMOVE BURRS, WELD SPATTER & LOOSE SCALE
IN ACCORDANCE WITH ASME Y14.5M-1994

REV: A
DWG: AD
CHK: AD
APP: AD

DATE: 3/02
INITIAL RELEASE
CHANGES

SHOP ORDERS

REV: NO. 1
DATE: 06-Jun-01

DESIGN ACT. NO. 25B603
CATEGORY CODE FE3313

DATE: 06-Jun-01

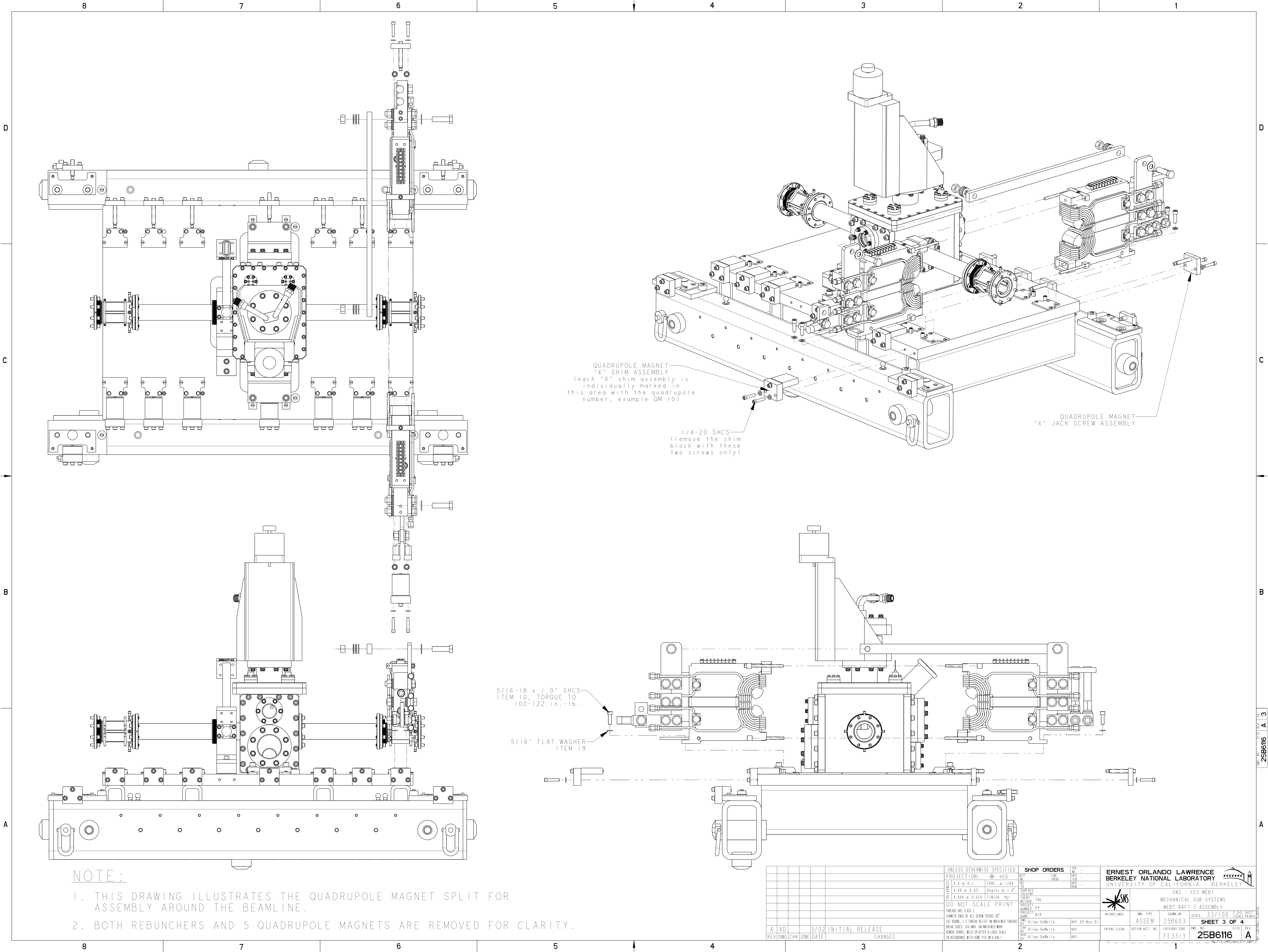
ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL
LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

SNS - FES MEBT
MECHANICAL SUB-SYSTEMS
MEBT RAFT 2 ASSEMBLY

PATENT CLEAR: -
DESIGN ACT. NO. 25B603
CATEGORY CODE FE3313

SCALE: 33/100
SHEET 1 OF 4
25B6116

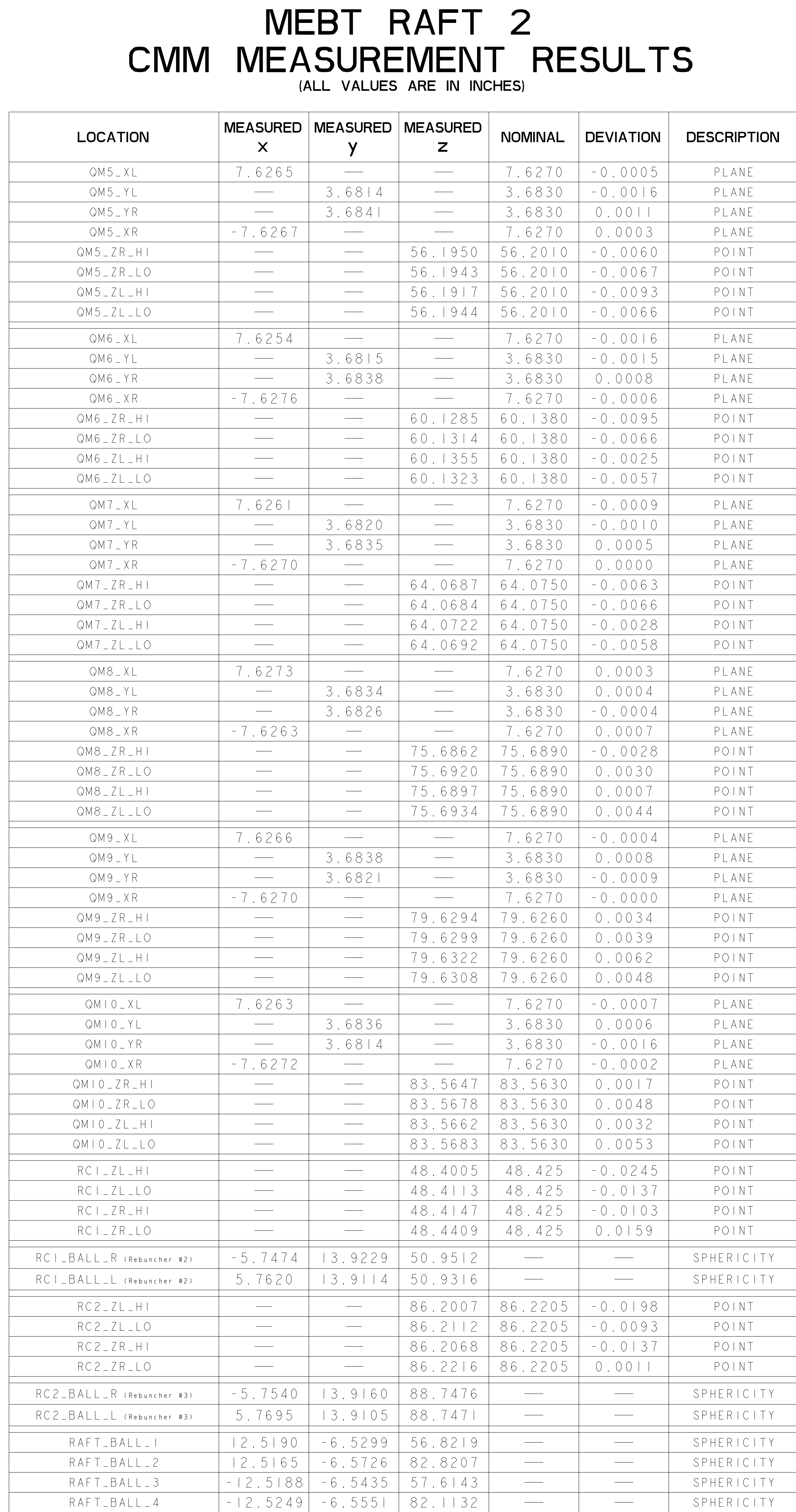
REV: A



NOTE:

1. THIS DRAWING ILLUSTRATES THE QUADRUPOLE MAGNET SPLIT FOR ASSEMBLY AROUND THE BEAMLINE.
2. BOTH REBUNCHERS AND 5 QUADRUPOLE MAGNETS ARE REMOVED FOR CLARITY.

				UNLESS OTHERWISE SPECIFIED				SHOP ORDERS				ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
PROJECTION:								REV NO. DATE				SER NO. DATE			
X.X ± 0.1				FRAC. ± 1/64				SURFACE FINISH							
X.XX ± 0.03				Angles ± 1°				METHOD TAG							
X.XXX ± 0.010				FINISH 1/2				PROJECT NUMBER							
DO NOT SCALE PRINT								PROJECT NAME							
TOLERANCES ARE CLASS 2								DATE 05-NOV-01							
CHAMFER EDGES OF ALL SERIAL THROUS								BY Allan DeMello							
CUT THROUS, 1:5 THREAD RELIEF ON MACHINED THROUS								DATE							
STEAK EDGES, 0.01 MAX. ON MACHINED BORE								BY Allan DeMello							
PROMOT BUBBS, BOLD SPALLER 1 LOOS SCALE								DATE							
IN ACCORDANCE WITH ASTM F148-94 0.01															
A AD		3/02		INITIAL RELEASE											
REV DWG		CHK ZONE		DATE		CHANGES									



1. THIS DRAWING ILLUSTRATES THE LOCATIONS FROM WHICH FIDUCIAL DATA WAS TAKEN.

				UNLESS OTHERWISE SPECIFIED				SHOP ORDERS				ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY			
				PROJECTION: 				ASST. NO. DATE DEL. NO. DATE REPR.				 SNS - FES MEBT MECHANICAL SUB-SYSTEMS MEBT RAFT 2 ASSEMBLY			
DIM. FRANCES X.X ± 0.1 FRAC. ± 1/64 X.XX ± 0.03 Angles ± 1.0° X.XXX ± 0.010 FINISH 42/				SURFACE TOLERANCE TAG IDENT. METHOD PROJECT NUMBER NAME PROJECT N/A				MICROFILMED: DATE 23-Oct-01				SCALE: 33/100 SHEET 4 OF 4			
DO NOT SCALE PRINT				THREADS ARE CLASS 2 CHAMFER ENDS OF ALL SCREW THREADS 30° CUT ROUNDS, 1/8" THREAD RELIEF ON MACHINED THREADS BREAK EDGES, 1/16" MAX. ON MACHINED SURF. REMOVE BURRS, NUTS SPACER 4 LOOSE SCALE IN ACCORDANCE WITH ASME Y14.5M 1 B46.1				ALLEN DeMello DATE 23-Oct-01 ALLEN DeMello DATE 23-Oct-01 ALLEN DeMello DATE 23-Oct-01				PATENT CLEAR: DESIGN ACCT: CATEGORY CODE: FES 3313			
A AD REV DWG CHK DATE 3/02 INITIAL RELEASE CHANGES												25B6036 25B6116			