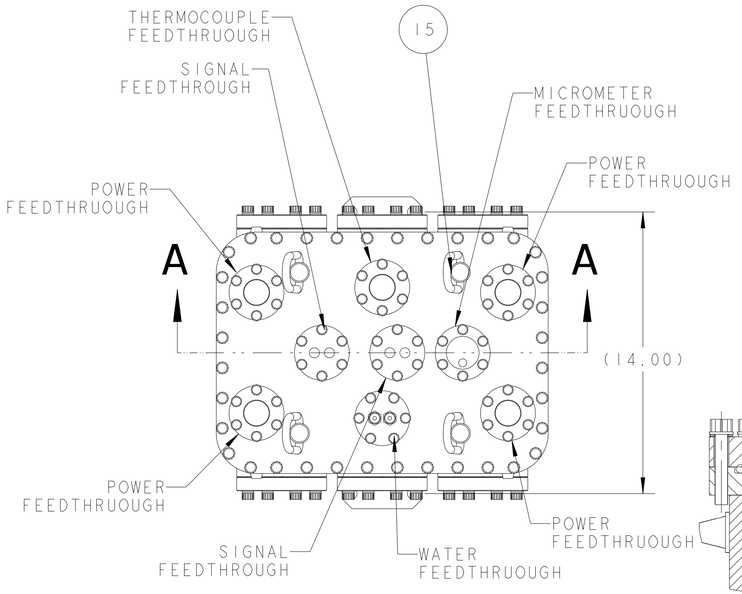
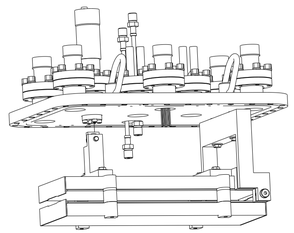
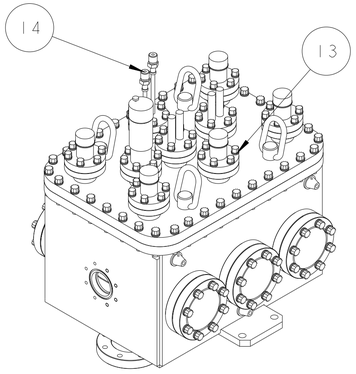


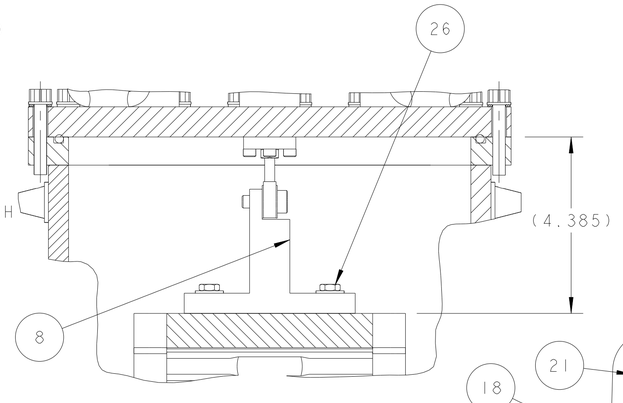
SCALE 1/4



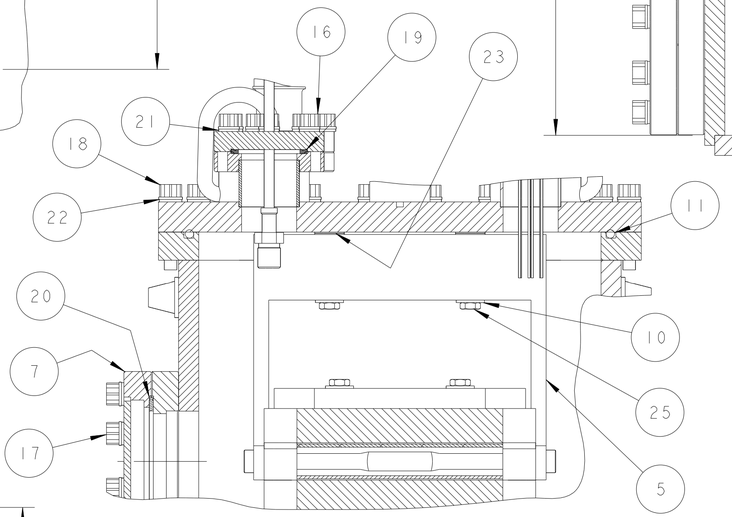
CHOPPER PLATES VIEW
SCALE 3/16



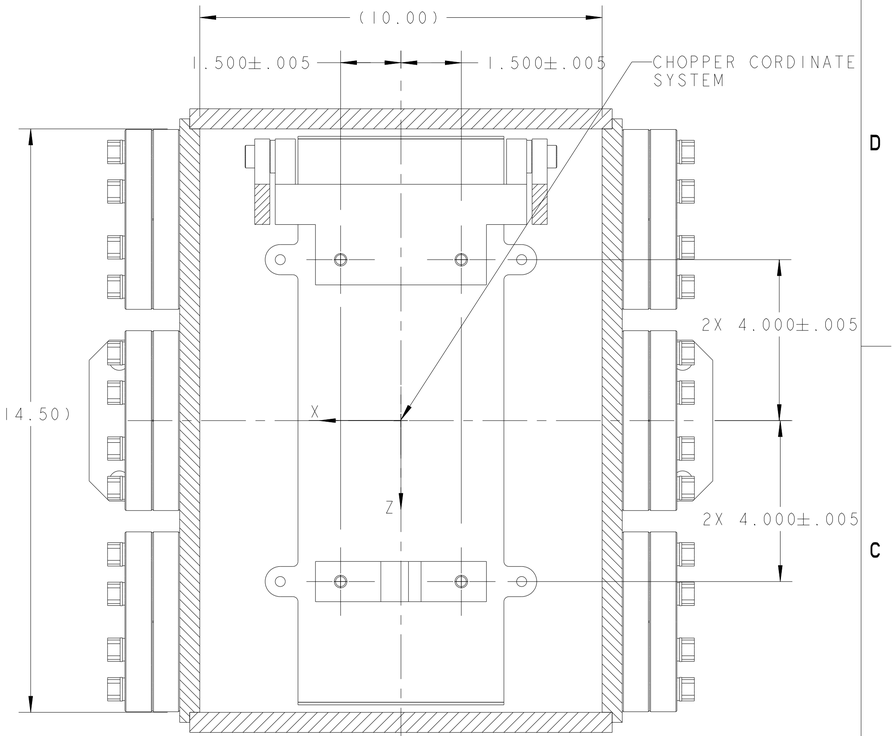
SCALE 3/16



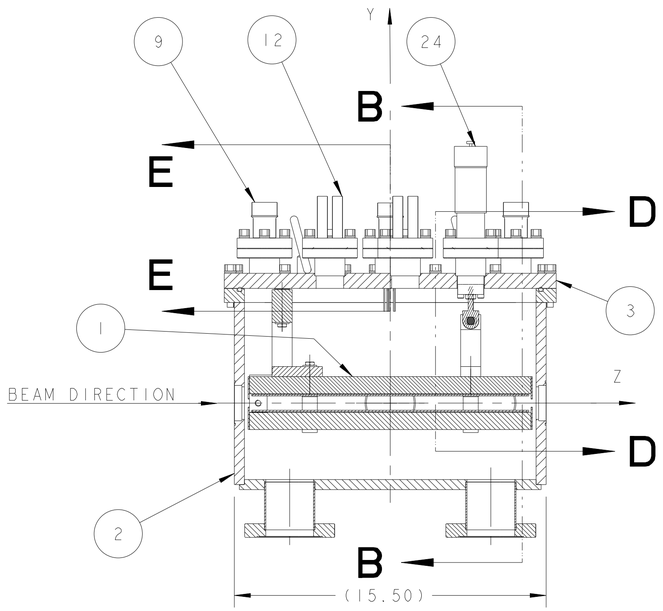
SECTION D-D
SCALE 1/2



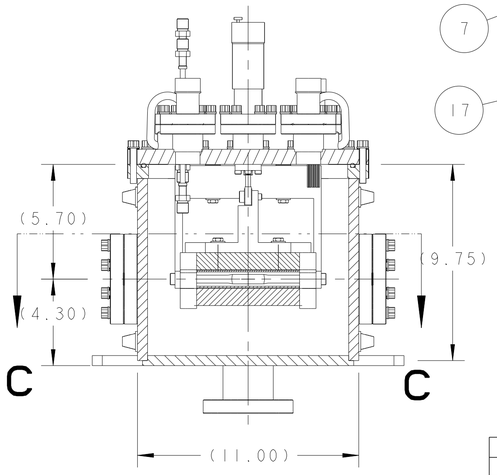
SECTION E-E
SCALE 1/2



SECTION C-C
SCALE 1/2



SECTION A-A



SECTION B-B

ITEM	PART NO	REQD	DESCRIPTION	MATERIAL
26		4	HEX. HD. BOLT 1/4"-28 UNF 2A, 1.00, VENTED	18-8 SS
25		2	HEX HD. BOLT 1/4"-28 UNF, 2.00, VENTED	18-8 SS
24	L-2211	1	CHOPPER MICROMETER FEEDTHROUGH, HUNTINGTON	-
23	98126A210	4	HINGE ASSEMBLY SHIM, MCMASTER-CARR OR EQUIV.	-
22	98017A690	85	5/16" FLAT WASHER AN 960 , MCMASTER-CARR OR EQUIV	-
21	98017A660	54	1/4" DIA FLAT WASHER AN 960 , MCMASTER-CARR OR EQUIV	18-8 SS
20	191009	6	2.51 ID GASKET, COPPER, MDC	-
19	191004	9	1.53 ID GASKET, COPPER, MDC	-
18	190059	36	12 POINT BOLT 5/16-24 UNF X 1 3/4, SILVER PLATED, MDC	-
17	190058	48	12 POINT BOLT 5/16-24 UNF X 1 1/4, SILVER PLATED, MDC	-
16	190057	54	12 POINT BOLT 1/4-28 UNF X 7/8, SILVER PLATED, MDC	-
15	33112	4HO	ST RING, 1/4" BOLT, 550 LB LOAD, AMERICAN DRILL BUSHING CO.	
14	-	1	WATER FEEDTHROUGH (LANL)	-
13	-	1	THERMOCOUPLE FEEDTHROUGH (LANL)	-
12	-	2	SIGNAL FEEDTHROUGH (LANL)	-
11	-	1	O-RING, PARKER #2-384	VITON A
10	-	6	FLAT WASHER 1/4"	18-8 SS
9		4	POWER FEEDTHROUGH (LANL)	
8	25B433	1	CHOPPER BALL JOINT ASSEMBLY	-
7	450004	6	4 1/2" CONFLAT VIEW PORT, MDC	-
5	25B427	1	CHOPPER BOX HINGE ASSEMBLY	-
3	25B426	1	CHOPPER BOX COVER ASSEMBLY	-
2	25B421	1	CHOPPER BOX WELDMENT	-
1	-	1	CHOPPER PLATES ASSY (LANL)	-

REV	DWG	CHK	ZONE	DATE	CHANGES
E	AZ			5/1/01	UPDATED MODEL
E	AZ			5/1/01	ADDED MISSING O-RING #2-384 PARKER TO BOM
D	AZ			3/22/01	UPDATED MODEL
C	AZ			2/5/01	UPDATED MODEL
B	AZ			1/10/01	CORRECTED INTERFERENCE PROBLEMS WITH CHOPPER PLATES.
A	AZ			2/01/00	INITIAL RELEASE.

UNLESS OTHERWISE SPECIFIED
PROJECTION:
TOLERANCES: X.X ± 0.1 | FRAC. ± 1/64 | X.XX ± 0.03 | Angles ± 1.0° | X.XXX ± 0.010 | FINISH 125
DO NOT SCALE PRINT
THREADS ARE CLASS 2
CHAMFER ENDS OF ALL SCREW TREADS 30°
CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS
BREAK EDGES .016 MAX. ON MACHINED WORK
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE
IN ACCORDANCE WITH ASME Y14.5M & B46.1

SHOP ORDERS

ACCT NO.	NO. REQD. 1	SER NO.	-
DEL TO		DATE ISSD	-
SURFACE TREATMT	-	DATE REQD	-
IDENT METHOD	TAG		
PROJECT NUMBER	na		
PROJECT NAME	N/A		
DWG BY	Andrew Zachoszcz	DATE	25-Sep-00
CHK BY	Daryl Oshatz	DATE	
APR BY	Daryl Oshatz	DATE	

ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

SNS - FES MEBT
BEAM TRANSPORT SYSTEMS
CHOPPER ASSEMBLY

MICROFILMED:	DWG. TYPE	SHOWN ON	SCALE: 1/4	DO NOT SCALE PRINTS
	ASSEM	-	SHEET 1 OF 1	
PATENT CLEAR:	DESIGN ACCT. NO.	CATEGORY CODE	DWG. NO.	SIZE / REV.
	-	FE3312	25B4204	E

Dwg. File: 25B4204 Model File: 25B4204