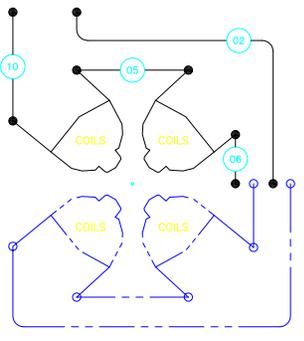
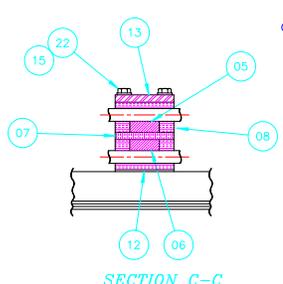
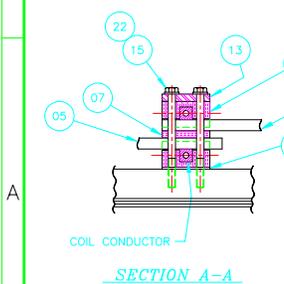


STORAGE RING  
TECHNICAL COMPONENTS  
.5M QUADRUPOLE MAGNETS  
TOP HALF ASS'Y  
A13026  
31010203-00028-02



EPOXY MIXTURE:  
EM 308 @ 100 PARTS  
EM 308 @ 70 PARTS  
CAB-O-SIL THICKEN ABOVE  
FORMULA AS REQUIRED  
SEE STATEMENT OF WORK  
310102-00211

- D1 SOURCE: A.N.L.
- D2 SOURCE: OR EQUAL  
MARKEL CORP.  
PO BOX 752  
NORRISTOWN, PA. 19404  
1-800-462-4479  
NO. CS59WA1000
- D3 SOURCE: OR EQUAL  
EPOXY: 828  
SHELL/MACROS CHEMICAL  
2501 S. DAMEN  
CHICAGO ILL. 60608  
312/890-4000
- EPOXY: 308  
MORTON INTERNATIONAL  
100 N. RIVERSIDE DRV.  
CHICAGO ILL. 60606  
1-800/257-9596
- CAB-O-SIL  
CABOT CORP.
- CAB-O-SIL DIV.  
CHICAGO ILL. 60608

ESTIMATED WEIGHT = 1125 LBS.

- NOTES:
1. SPREAD EPOXY ITEM 23 THROUGHOUT LENGTH OF MATING SURFACE OF ITEMS 1 & 11.
  2. TORQUE BOLTS ITEMS 18 & 19 TO 270 IN. LBS.
  3. PLACE ITEM 21 INSULATION ON COPPER LEADS.

ITEM	QTY	DESC/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
24	1	31010203-200013	R/H, TOP ADJUSTING EXTRUSION	SEE DETAIL	1
23	1		EPOXY	SEE NOTE NO. 1	A/R
22	16		#.25 FLAT WASHER	STN. STEEL	16
21	1	CS59BA1000	INSULATION (1/2 BLACK)	A/R	1
20	1		BU.H.C.S. 1/2-13 UNC-3A x 1.50 LG.	STN. STEEL	1
19	6		T2 PT. C.S. 3/8-16 UNC-3A x 1.75 LG.	STN. STEEL	6
18	6		T2 PT. C.S. 3/8-16 UNC-3A x 1.00 LG.	STN. STEEL	6
17	4		H.H.C.S. 1/2-13 UNC-3A x 1.75 LG.	STN. STEEL	4
16	4		S.H.C.S. 1/2-13 UNC-3A x 2.50 LG.	STN. STEEL	4
15	8		H.H.C.S. 1/4-20 UNC-3A x 3.25 LG.	STN. STEEL	8
14	4		#.50 FLAT WASHER	STN. STEEL	4
13	2	310102-00182	COVER PLATE	SEE DETAIL	2
12	2	310102-00180	INSULATOR SHIM	SEE DETAIL	2
11	1	31010203-200010	L.H. TOP ADJUSTING EXTRUSION	SEE DETAIL	1
10	1	310102-00205	BUSS BAR NO. 7	SEE DETAIL	1
09	1	310102-00179	BUS TERMINAL BLOCK	SEE DETAIL	1
08	2	310102-00183	INSULATOR	SEE DETAIL	2
07	2	310102-00181	INSULATOR SPACER	SEE DETAIL	2
06	1	310102-00168	BUS BAR NO. 5	SEE DETAIL	1
05	1	310102-00166	BUS BAR NO. 3 & 6	SEE DETAIL	1
04	1	310102-00184	BUS BAR SUPPORT	SEE DETAIL	1
03	1	310102-00185	BUS BAR CLIP SUPPORT	SEE DETAIL	1
02	1	310102-00184	BUS BAR NO. 1	SEE DETAIL	1
01	1	31010203-00026	HALF MAGNET WELDMENT ASSEMBLY	SEE DETAIL	1

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES		LOG NUMBER		THIS DRAWING IS THE PROPERTY OF	
ASSEMBLY	±.015	A13026		ARGONNE NATIONAL LABORATORY	
FINISH	±.0005	DATE	4/92	DRAWN BY ED GARCIA	
SURFACE ROUGHNESS	125	CHECKED BY		PROJECT NO.	
REMOVE ALL BURRS AND BREAK SHARP EDGES TO MAX. RADIUS		DESIGNER		APPROVED/RELEASED	
IF GREAT VARIATION IS TO BE MAINTAINED NEW LEIST AND FILE		RESPONSIBLE ENGINEER		MATERIAL	
CONFORMANCE WITH REQUIREMENTS IN APPROVED NEW LEIST AND FILE				SEE PARTS LIST	
3M	CHANGE DESCRIPTION	BY	DATE	SCALE	1=2
	REVISIONS			SHEET	1 of 1
				DRAWING NUMBER	
				31010203-00028-02	