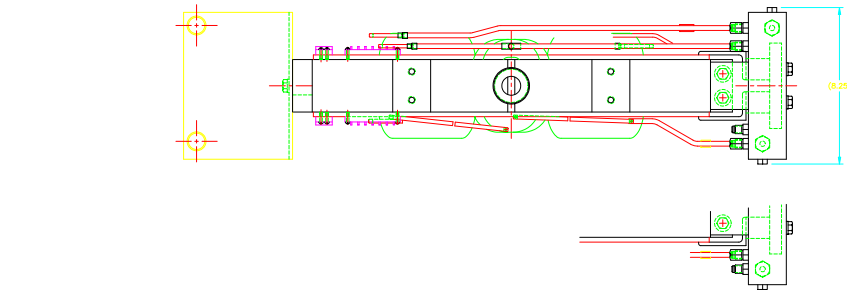
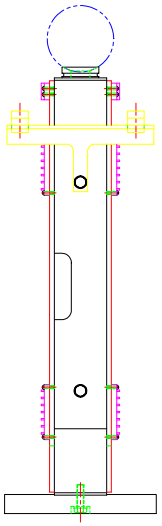
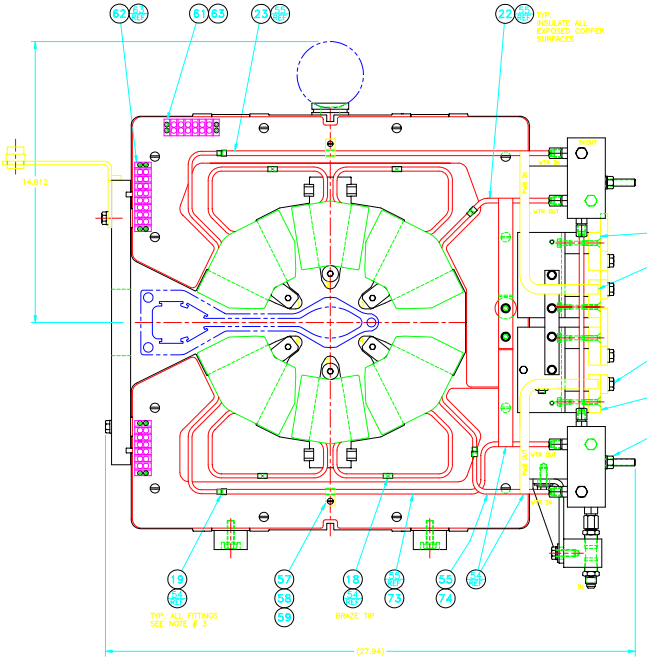
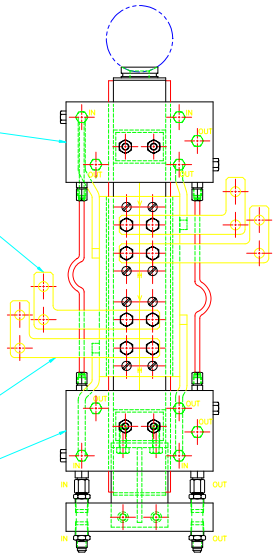
(24)

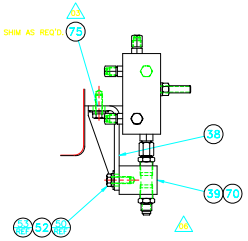
(E) | PLOT SCALE: 1=2.0 | DWG. SCALE: 2.0 | A1722406











NOTES:

1. SEE STATEMENT OF WORK # 310104-00137.
2. WHEN USING ITEM # 55 (RUBBER INSULATING TAPE), THE WRAPPING OF THE BUSS SHOULD BE HALF LAPPED.
3. ALL WATER BRAZED JOINTS TO BE LEAK TIGHT AT 300 psi FOR 1 HOUR WITH NO DETECTABLE LEAKS.
4. BRUSH SILVER PLATE SURFACE OF ITEM # 5 AFTER BRAZING. CLEAN AS PER MANUFACTURER'S INSTRUCTIONS ON BOTTLE OF ITEM # 60.
5. SEE SHEET 3 OF 3 FOR SCHEMATIC.

APPROX. WGT. = 381.0 LBS.

REVISIONS				
ZONE	NO.	DESCRIPTION	BY	APPROVED
	01	DCN #930512-01	AEN	5/22/93
	02	DCN #931209-02	AEN	12/10/93
	03	DCN #940106-01	AEN	1/19/94
	04	DCN #940117-05	AEN	1/17/94
	05	DCN #940318-04	AEN	3/21/94
	06	DCN #940909-02	SH	9/15/94

75		Ø.38 FLAT WASHER	SST	4
74	310104-200048	COPPER TUBE		1
73	310104-200047	COPPER TUBE		1
72	310104-200045	CABLE LUG COVER		1
71		Ø.41 I.D. x Ø.75 O.D. x .56 LG.	G-10	4
70		COPPER WASHER	GOULD MATERIAL-EASTMAN # 432-F-D	2
69		Ø.250-20 x .5 LG. STUD	SST	1
68		STANDOFF INSULATOR	SLOTO # 2146-1A	10
67		STANDOFF Ø.38 x 1.0 LG.	MATEK INC. # 26025	2
66		#8-32 x 1.5 LG. R'D.H'D. CAP SCR.	SST	2
65		STANDOFF Ø.38 x .25 LG.	MATEK INC. # 26024	14
64		#8-32 x .63 LG. R'D.H'D. CAP SCREW	SST	4
63		#6-32 x .5 LG. R'D. H'D. C. S.	SST	24
62		TERMINAL STRIP (8)	NEWARK ELECTRONICS # 87F5134	3
61		TERMINAL STRIP (6)	NEWARK ELECTRONICS # 87F5133	3
60		SILVER PLATING POWDER	COOL-AMP ZONG TUBE CO. # 103-020	REQ'D
59		#8 LOCK WASHER	SST	6
58		#8-32 x .38 LG. R'D. H'D. CAP SCR.	SST	2
57		NYLON CLAMP	MATEK INC. # 26060	6
56		INSULATED TUBING (SHRINK)	NEWARK ELECTRONICS # 87F7272	3.5"
55		RUBBER INSULATING TAPE	3M SCOTCH # 23	H YDS
54		BRAZING WIRE Ø.06	SIL-FOS-#15	AS REQ'D
53		Ø.38 FLAT WASHER	SST	8
52		Ø.375-16 x 1.0 LG. S.H.C.S.	SST	4
51		HEX NUT Ø.375-16	SST	14
50		Ø.38 LOCKWASHER	SST	26
49		Ø.375-16 x 1.75 LG. S.H.C.S.	SST	1
48		Ø.375-16 x1.25 LG. S.H.C.S.	SST	12
47		SPHERICAL WASHER	REG TOOL SUPPLY # SSFW-3	4
46		Ø.375-16 x 7.0 LG. S.H.C.S.	SST	4
45		Ø.250-20 HEX NUT	SST	4
44		Ø.25 LOCK SCREW	SST	22
43		Ø.250-20 x .75 LG. S.H.C.S.	SST	4
42		Ø.250-20 x .5 LG. H.H.C.S.	SST	16
41		Ø.250-20 x 4.0 LG. H.H.C.S.	SST	2
40		Ø.250-20 x.88 LG. F'T.H'D. C.S.	SST	8
39	310104-230000	WATER MANIFOLD BASE ASSEMBLY		1
38	310104-200044	BASE ASSEMBLY BRACKET		1
37	310104-200043	KEY		3
36	310104-200042	TERMINAL FLAG		2
35	310104-200041	TERMINAL FLAG		2
34	310104-200027	SUPPORT BLOCK		2
33	310104-200029	SUPPORT STRAP		2
32		Ø.25 x .03 W. x 5.4 LG. COPPER TUBE	ASTM B75	2
31		Ø.25 x .03 W. x 4.9 LG. COPPER TUBE	ASTM B75	2
30	310104-200026	COPPER TUBE		1
29	310104-200025	COPPER TUBE		1
28	310104-200024	COPPER TUBE		1
27	310104-200023	COPPER TUBE		2
26	310104-200022	COPPER TUBE		2
25	310104-200002	COPPER TUBE		2
24				
23	310104-200019	COPPER TUBE		1
22	310104-200018	COPPER TUBE		1
21		TRANSITION FITTING TEE	MUELLER INDUSTRIES INC. # B-4296	2
20	310104-200009	TRANSITION FITTING COUPLING		8
19	310104-200008	TRANSITION FITTING COUPLING		4
18	310104-200007	TRANSITION FITTING COUPLING		4
17	310104-200036	BUSS BAR		1
16	310104-200035	BUSS BAR		1
15	310104-200034	BUSS BAR		1
14	310104-200033	BUSS BAR		1
13	310104-200039	BUSS BAR (LOWER RIGHT)		1
12	310104-200037	BUSS BAR (UPPER RIGHT)		1
11	310104-200040	BUSS BAR (LOWER LEFT)		1
10	310104-200038	BUSS BAR (UPPER LEFT)		1
9	310104-200003	MANIFOLD THREADED ROD		4
8	310104-200030	WATER MANIFOLD SPACER		2
7	310104-350000	WATER MANIFOLD ASSEMBLY (LOWER)		1
6	310104-360000	WATER MANIFOLD ASSEMBLY (UPPER)		1
5	310104-200017	BUSS BAR		4
4	310104-200028	BUSS BAR BRACKET		4
3	310104-200027	REINFORCING PLATE		1
2	310104-240000	LOWER HALF CORE & COIL ASSEMBLY		1
1	310104-250000	UPPER HALF CORE & COIL ASSEMBLY		1
ITEM	DRAWING / PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY

PARTS LIST / BILL OF MATERIALS

DRAWN	A.NYMAN/P.BELKO	10/19/92
CHECKED	J.HUMBERT	3/93
ENGINEER	A.NYMAN	3/93
PROJECT MANAGER	J.HUMBERT	3/93
PHYSICIST	J.JAGGER	3/93
CONTROLS ENGR		
CONTROLS ENGR		

ARGONNE NATIONAL LABORATORY
ADVANCED PHOTON SOURCE

STORAGE RING
TECHNICAL COMPONENT
CORRECTION MAGNET
ASSEMBLY

SEE PARTS LIST | E | DWG | 310104-200000 | 06

A1722406 | SCALE: 5:1 | DO NOT SCALE DRAWING | SHEET 1 OF 5

SHEET 1 OF 5