



MEBT MEETING AGENDA

May 24, 2001

System Integration / Installation

1. **Routing of cable trays and wire ways**
2. **Water System Planning** (schematic, location)
3. **Raft assembly area progress**

Mechanical Systems Update

1. **Fabrication and Procurement Update**
 - Chopper Target Material Update (target, micrographs: face, round)
 - BPM's – Five 3-cm completed \ddot{O}
 - Support Frame
 - Profile Monitor Beamboxes
 - Raft weldments
 - Chopper Target Beambox Fiducialization \ddot{O}
 - Chopper Beambox Assembly
2. **Design Status (MEBT)**
 - Rebuncher Cavity #4 moved +3 mm (z-dir) (interference, solution)
 - Beampipe design underway
 - Raft Assembly area under development

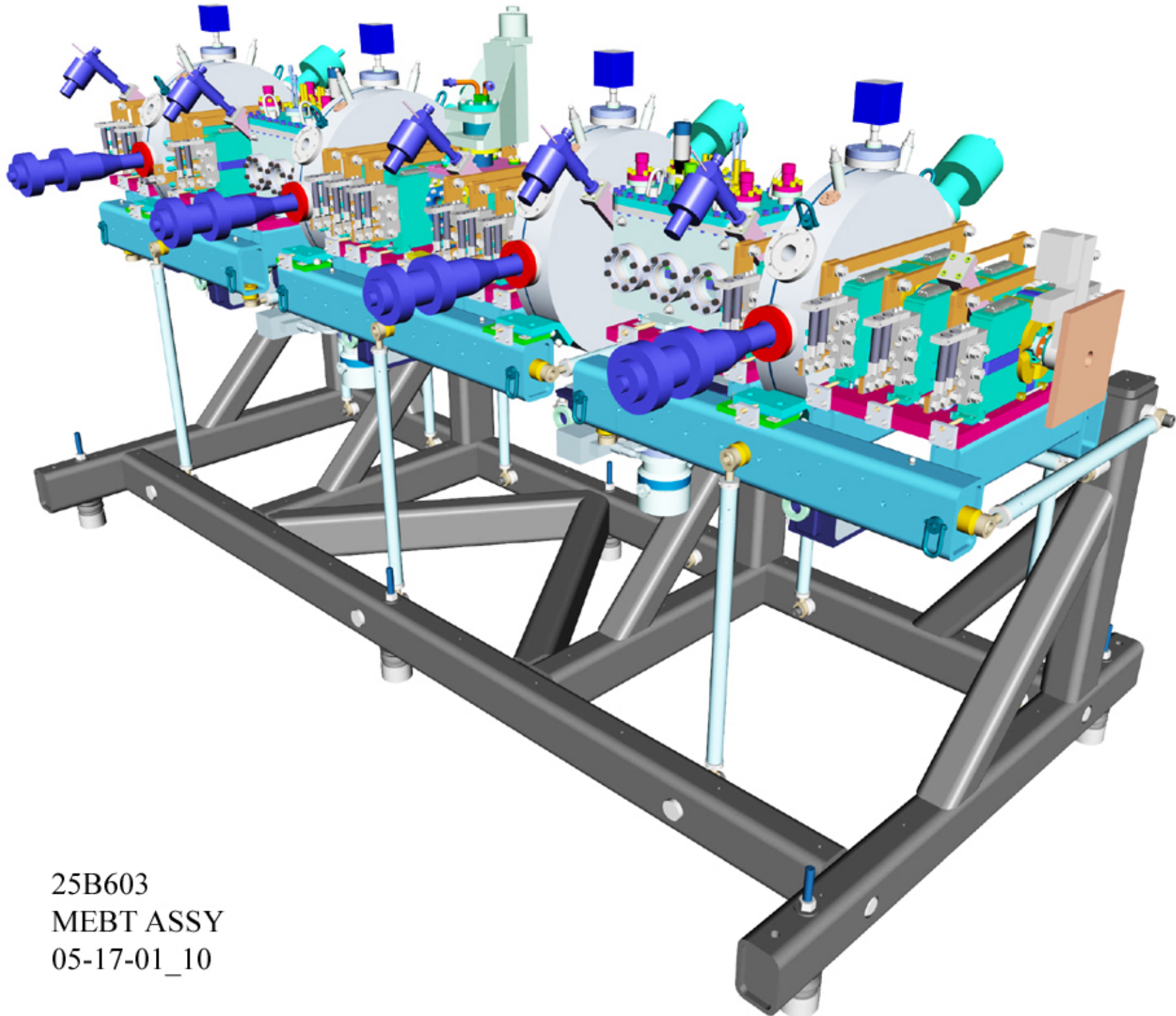
Electrical Systems Update

1. **Low Level RF**
2. **Rebuncher System**
3. **Beam Diagnostics**

Upcoming Tasks and Milestones

- ◆ Rebuncher Cavity #1 Received 1/31/01 OR
- ◆ Profile Monitor First Article Complete 3/31/01
- ◆ Chopper Vacuum Enclosures Complete 5/31/01
- ◆ Raft and Support Structure Complete 5/31/01 OR
- ◆ Rebuncher Amplifiers #2-6 Received 6/30/01
- ◆ Rebuncher Cavity #2-4 Received 6/30/01
- ◆ Profile Monitor all complete 7/31/01

Next Meeting, Thursday, 6/7/01, 10 AM

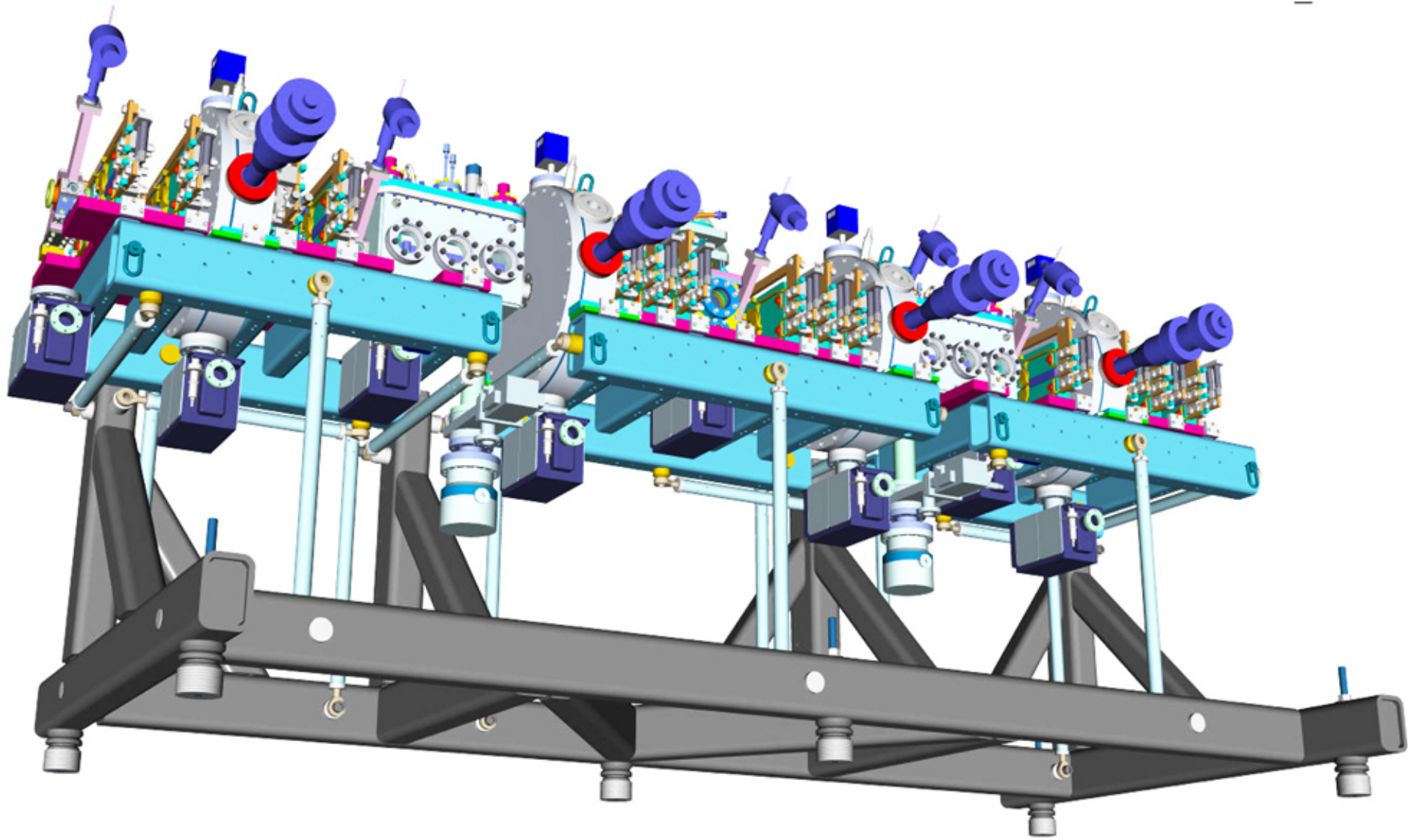


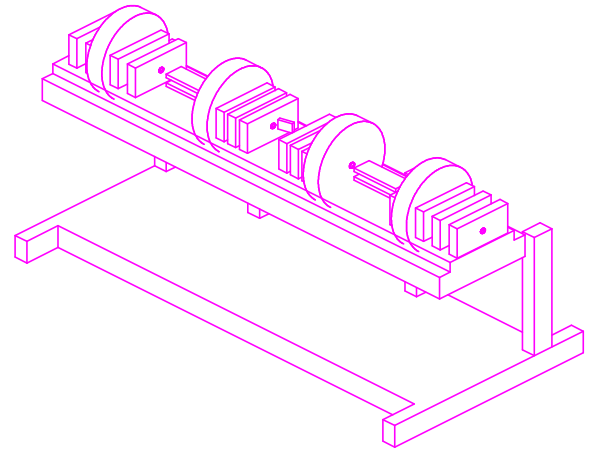
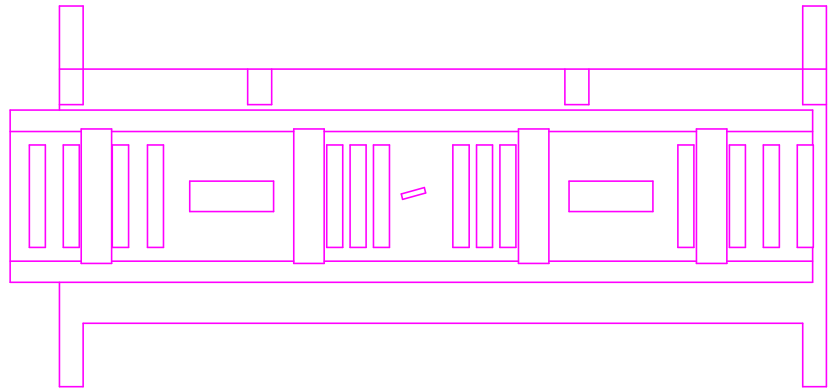
25B603

MEBT ASSY

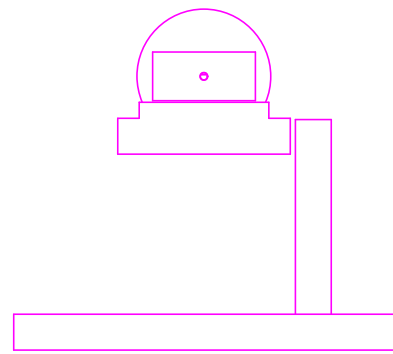
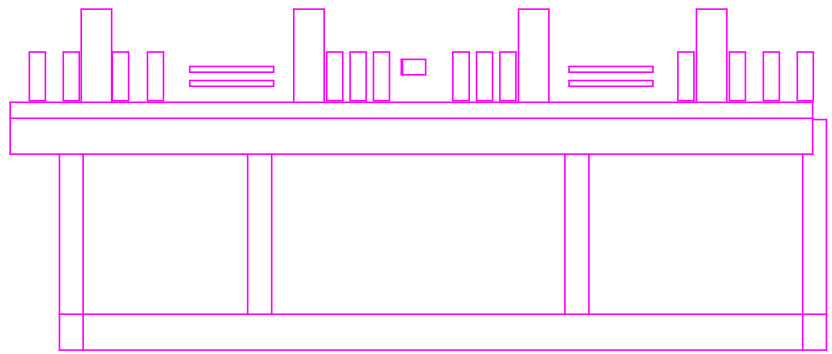
05-17-01_10

25B603
MEBT ASSY
05-17-01_13



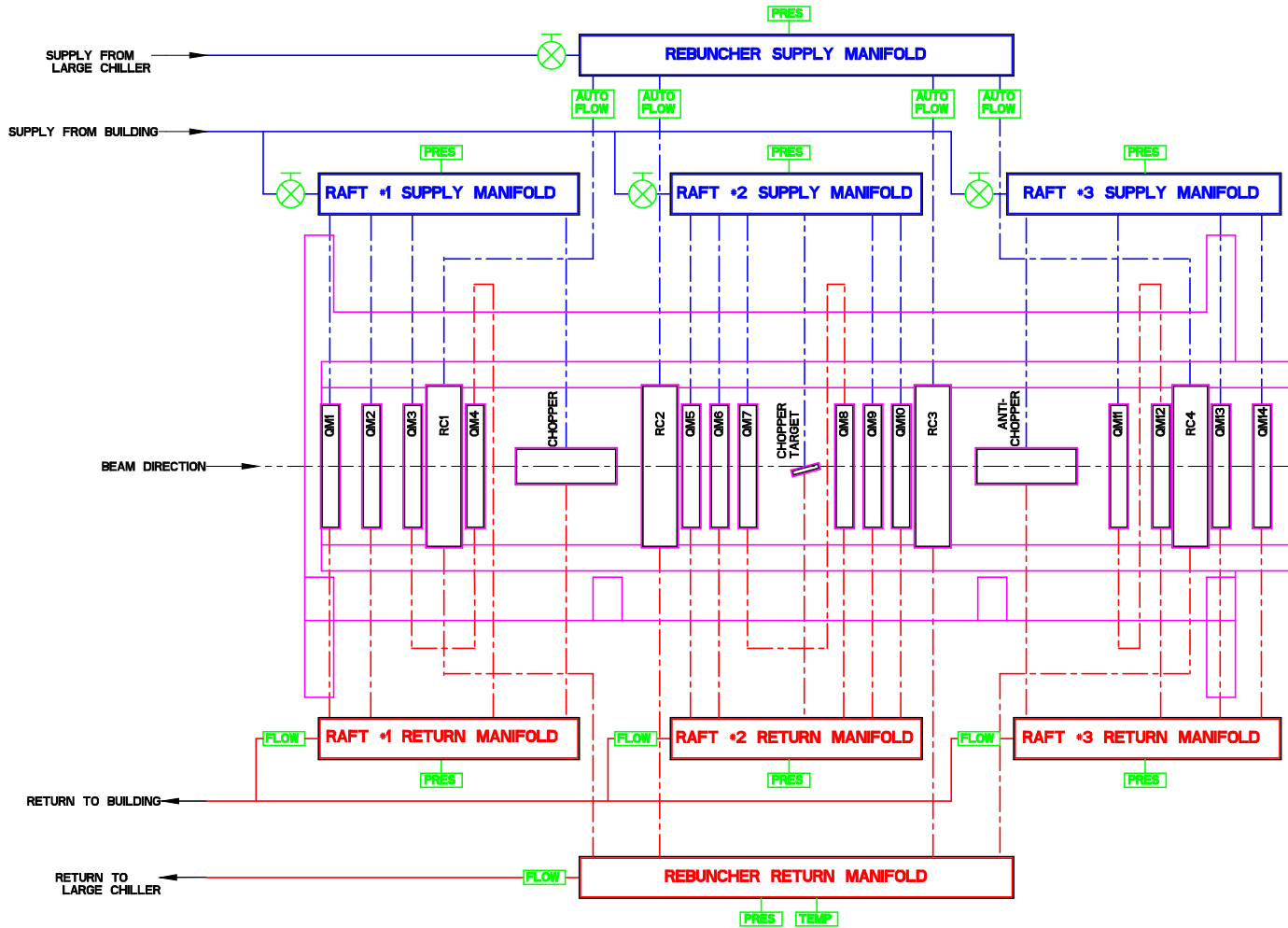


SCALE 7/100



1	25B615	1	WATER SYSTEM ASSEMBLY SKELETON	
ITEM	PART NO.	REQD.	DESCRIPTION	MATERIAL
ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY				
			SNS - FES MEBT	
			MECHANICAL SUBSYSTEMS	
			WATER SYSTEM ASSEMBLY	
MICROFILMED:		DWG. TYPE	SCALE: 1/10	DOC. NO.
DATE		ASSEM	25B603	25B603
PATENT CLEAR:		DESIGN ACCT. NO.	FES313	SHEET REV.
DATE		DATE	25B6154	1 OF 2

UNLESS OTHERWISE SPECIFIED			
PROJECTION:	1st Angle	FRAC. ± 1/64	ANGLES ± 1.0°
FINISH:	AS	FINISH	AS
DO NOT SCALE PRINT			
TRENDS ARE CLASS 1			
CHAMFER ENDS OF ALL SCREW THREADS 30°			
CUT THREADS, 1:1 THREAD RELIEF ON MACHINED THREADS			
HOLE CRIES, 1/16 IN. OR HIGHER DIA.			
REMOVE BURRS, WELD SPATTER & LOOSE SCALE			
IN ACCORDANCE WITH ASME Y14.2M & B.M.1			
REV	DWG	CHK	ZONE
			DATE
CHANGES			



REV	DWG	CHK	ZONE	DATE	CHANGES

UNLESS OTHERWISE SPECIFIED
 PROJECTION: ϕ \leftarrow
 FINISHES: X.XX ± 0.1 FRAC. ± 1/64
 SURF. X.XX ± 0.03 Angles ± 1.0°
 DIM. X.XXX ± 0.010 FINISH \approx
 DIMENSIONS ARE CLASS 1
 DO NOT SCALE PRINT
 TOLERANCES ARE CLASS 1
 CHAMFER ENDS OF ALL SCREW THREADS 30°
 CUT BORDS, 1.5 THREAD RELIEF ON MACHINED THREADS
 HOLE CLOS. ARE ALL ON MACHINED BORDS
 REMOVE BORDS, WELD SPALLER & LOCK SCALE
 IN ACCORDANCE WITH ASME Y14.2M & B.M.F.

1 25B615 1 WATER SYSTEM ASSEMBLY SKELETON
 ITEM PART NO. RECD. DESCRIPTION MATERIAL
 SHOP ORDERS
 DATE 22-May-01
 DATE

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

SNS - FES MEBT
 MECHANICAL SUBSYSTEMS
 WATER SYSTEM ASSEMBLY

SHOW ON SCALE: 13/100
 SHEET 2 OF 2
 DWG. NO. 25B603
 DESIGN ACCT. NO. -
 CATEGORY CODE FE3313
 DWG. NO. 25B6154
 SHEET REV. 1

Quadrupole Magnet Water Cooling Circuit Temperature Rise

