

Fiducial Data Summary for 50Q Rafts

50Q-39

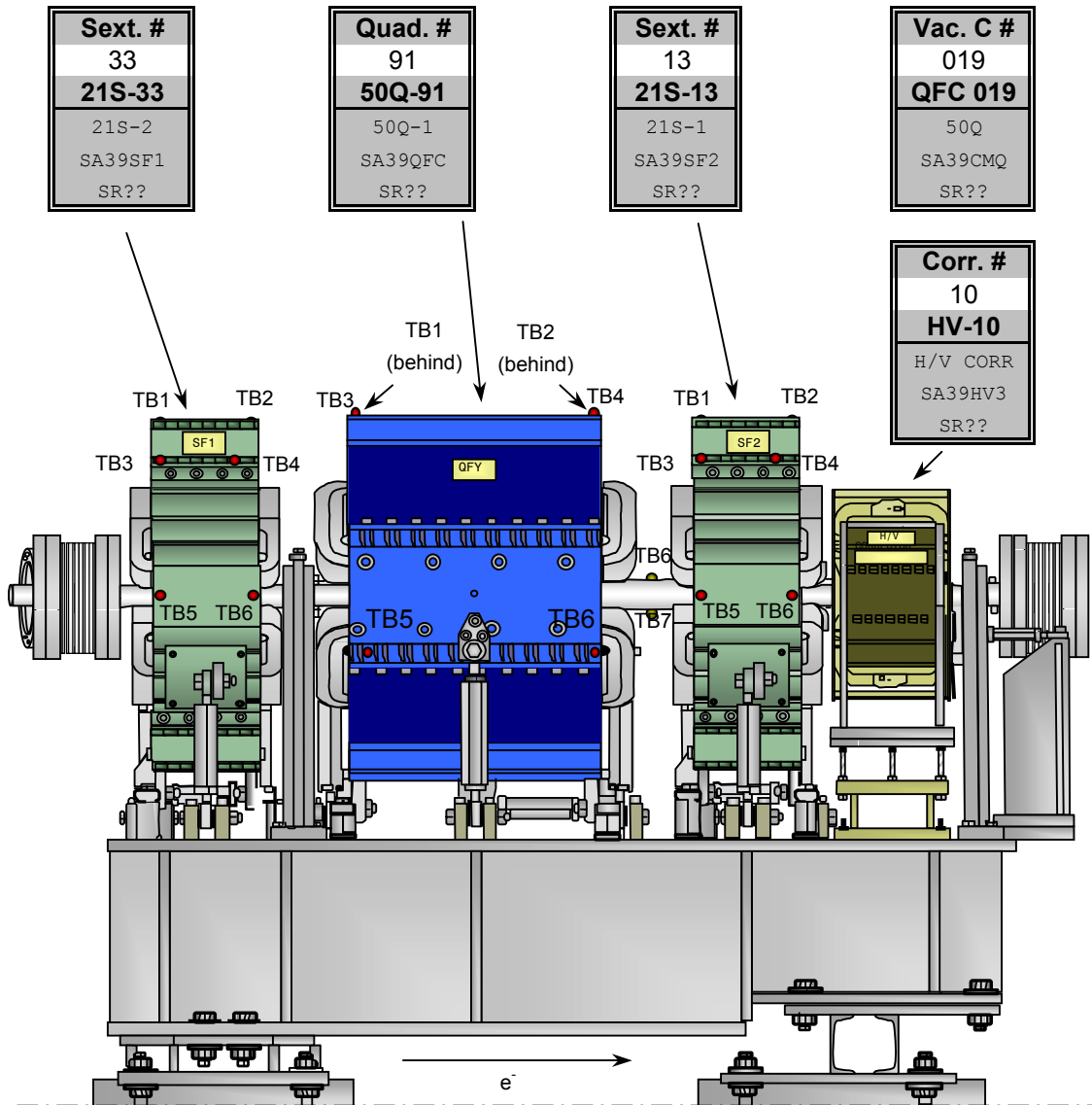
Raft Description:

Date December 21, 2002

Raft # 39 50Q-39	Type 1 50Q T-1	Bld. 750 Name SA39	S3 Ring Name SR??
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Notes:

The above date represents the latest fiducial date of all components listed below.
SPEAR3 Ring number not yet known.



Sextupole: Fiducial Values for Upstream (21S-2) Sextupole

Fiducial	Z	X	Y
TB1	-3.623	4.217	15.506
TB2	3.737	4.217	15.508
TB3	-3.602	-10.528	12.523
TB4	2.265	-10.607	12.494
TB5	-3.746	-15.062	0.014
TB6	3.732	-15.062	0.024

inches inches inches

SEXTUPOLE
21S-33

SA39SF1
SR??

12/19/01

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Quadrupole: Fiducial Values for Quadrupole (50Q-1)

Fiducial	Z	X	Y
TB1	-9.456	11.244	16.205
TB2	9.459	11.252	16.205
TB3	-9.458	-11.250	16.204
TB4	9.457	-11.258	16.204
TB5	-8.362	-15.205	-4.704
TB6	9.215	-15.204	-4.717

inches inches inches

QUADRUPOLE
50Q-91

SA39QFC
SR??

1/3/02

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Sextupole: Fiducial Values for Downstream (21S-1) Sextupole

Fiducial	Z	X	Y
TB1	-3.647	4.200	15.512
TB2	3.690	4.208	15.510
TB3	-3.648	-10.501	12.539
TB4	2.298	-10.537	12.516
TB5	-3.718	-15.063	0.085
TB6	3.752	-15.063	0.022

inches inches inches

**SEXTUPOLE
21S-13**

SA39SF2
SR??

12/21/02

Description:
Fiducials based on values posted on web-page. (Check for updates.)

H/V Corrector: Fiducial Values for Corrector

Fiducial	Z	X	Y
1	-0.003	-0.323	-10.196
2	-0.002	-10.046	-10.205
A	0.000	-20.003	0.000
B	0.000	-20.003	0.000
C	0.000	-20.003	0.000
D	0.000	-20.003	0.000
E	0.000	0.000	17.935
F	0.000	0.000	17.935

inches inches inches

**H/V CORRECTOR
HV-10**

SA39HV3
SR??

No Date

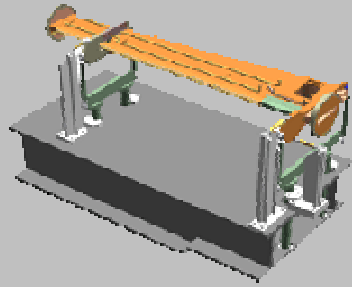
Description:
Fiducials based on known nominal values.

Vacuum Chamber: Fiducial Values for QFC (50Q) Vacuum Chamber

Fiducial	Z	X	Y
TB1	-13.790	-3.520	4.398
TB2	-13.841	7.213	4.371
TB3	37.462	-5.465	4.407
TB4	37.524	13.232	2.978
TB5	33.440	7.569	2.080
TB6	N/A	N/A	N/A
TB7	N/A	N/A	N/A

inches inches inches

VACUUM CHAMBER
QFC 019



SA39CMQ
SR??

1/11/02

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Building 750 Deck: Positions of Component Origins

750 Name	Z	X	Y	Yaw
SA39SF1	-0.535	0.000	0.000	0.0000
SA39QFC	0.000	0.000	0.000	0.0000
SA39CMQ	0.000	0.000	0.000	0.0000
SA39SF2	0.535	0.000	0.000	0.0000

meters meters meters degrees

Date of Deck File: April 16, 2002

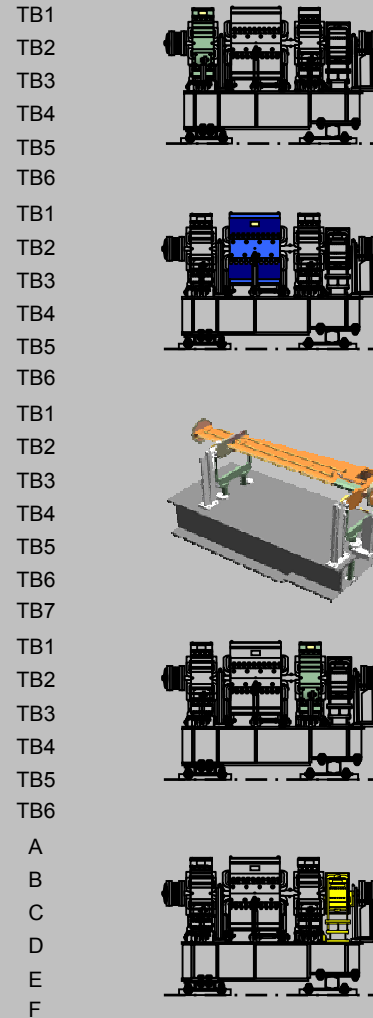
Location of Raft: EAST

50Q-39

Description:
Deck coordinates representing origin of the specific component's coordinate system.

Building 750 As-Built:

750 Name	delta Z	delta X	delta Y (delta H)
SA39SF1	0.007	0.004	-0.001
	0.004	0.008	-0.002
	0.000	-0.001	0.001
	0.001	-0.001	-0.003
	-0.003	0.002	-0.002
	-0.004	-0.002	-0.004
SA39QFC	0.005	0.005	0.000
	-0.001	0.017	-0.003
	0.007	-0.004	-0.001
	0.006	-0.002	-0.002
	0.007	-0.005	-0.004
	0.003	-0.001	-0.004
SA39CMQ	0.005	-0.002	0.001
	0.004	-0.002	-0.001
	0.004	-0.004	0.001
	0.007	-0.008	-0.002
	0.003	-0.009	-0.001
	N/A	N/A	N/A
	N/A	N/A	N/A
SA39SF2	0.007	-0.001	0.000
	0.001	0.004	0.001
	0.005	-0.003	0.004
	0.002	0.006	0.002
	-0.002	0.002	0.001
	-0.001	0.002	-0.001
SA39HV3		-0.036	
		-0.042	
		-0.033	
		-0.031	
			0.006
			0.025
	inches	inches	inches



Latest File Date: March 5, 2002

50Q-39

Description:

Values representing the difference between the design and actual fiducial measurements.