

Fiducial Data Summary for 50Q Rafts

50Q-40

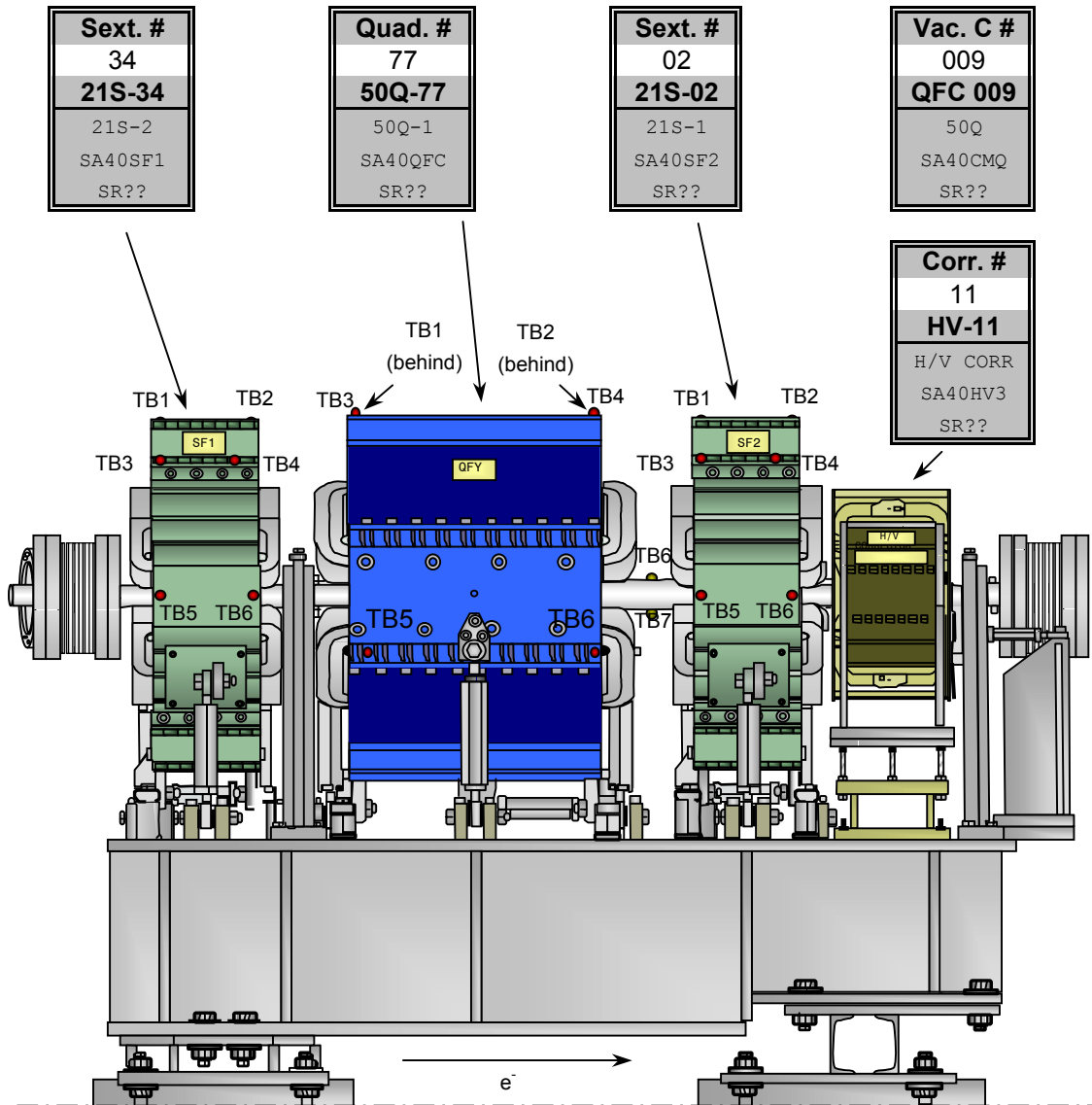
Raft Description:

Date December 20, 2001

Raft # 40 50Q-40	Type 1 50Q T-1	Bld. 750 Name SA40	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	-3.639	4.223	15.513
TB2	3.691	4.275	15.509
TB3	-3.630	-10.492	12.543
TB4	2.289	-10.491	12.545
TB5	-3.746	-15.062	0.000
TB6	3.749	-15.063	0.024

inches inches inches

SEXTUPOLE
21S-34

SA40SF1
SR??

12/20/01

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

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

Fiducial	Z	X	Y
TB1	-9.472	11.249	16.202
TB2	9.471	11.245	16.204
TB3	-9.465	-11.246	16.204
TB4	9.474	-11.254	16.202
TB5	-8.354	-15.200	-4.724
TB6	9.237	-15.200	-4.717

inches inches inches

QUADRUPOLE
50Q-77

SA40QFC
SR??

10/19/01

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	-3.547	4.158	15.510
TB2	3.636	4.151	15.508
TB3	-3.585	-10.530	12.517
TB4	2.275	-10.521	12.523
TB5	-3.771	-15.066	0.067
TB6	3.738	-15.060	0.027

inches inches inches

SEXTUPOLE
21S-02

SA40SF2
SR??

10/12/01

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-11

SA40HV3
SR??

No Date

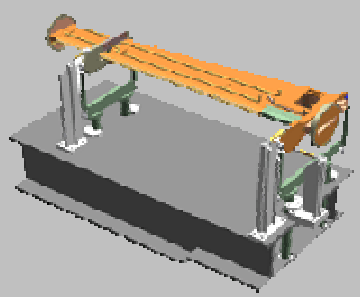
Description:
Fiducials based on known nominal values.

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

Fiducial	Z	X	Y
TB1	-13.768	-3.313	4.418
TB2	-13.812	7.337	4.367
TB3	37.476	-5.391	4.403
TB4	37.560	13.303	2.962
TB5	33.456	7.558	2.071
TB6	13.459	2.538	2.331
TB7	13.456	2.633	-2.323

inches inches inches

VACUUM CHAMBER
QFC 009



SA40CMQ
SR??

8/27/01

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
SA40SF1	-0.535	-3.500	0.000	0.0000
SA40QFC	0.000	-3.500	0.000	0.0000
SA40CMQ	0.000	-3.500	0.000	0.0000
SA40SF2	0.535	-3.500	0.000	0.0000

meters meters meters degrees

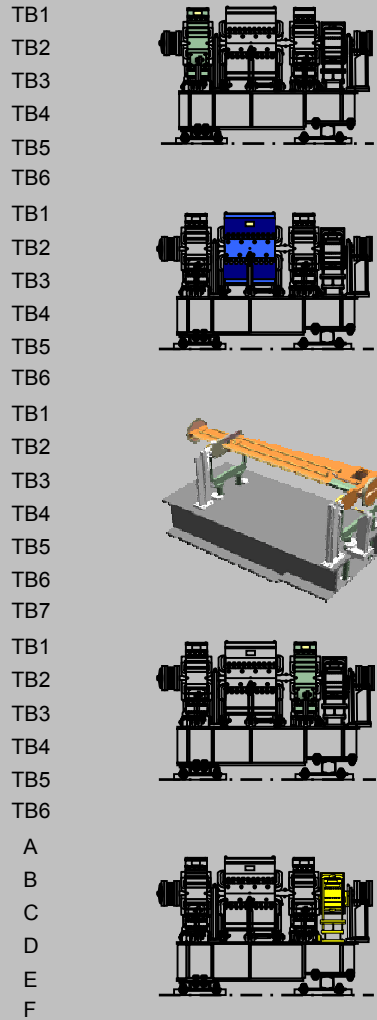
Date of Deck File: April 16, 2002

Location of Raft: WEST 50Q-40

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)
SA40SF1	0.000	0.000	0.003
	0.000	0.001	0.002
	-0.011	0.005	0.006
	-0.009	0.000	0.004
	-0.015	0.000	0.005
	-0.019	-0.001	-0.005
SA40QFC	-0.008	-0.003	0.000
	-0.009	-0.002	-0.003
	-0.014	-0.003	0.000
	-0.007	0.003	0.002
	-0.011	0.002	-0.002
	-0.012	0.001	-0.001
SA40CMQ	0.004	-0.005	-0.003
	0.009	-0.004	0.001
	-0.006	0.000	-0.001
	-0.004	-0.003	0.002
	-0.005	-0.004	0.001
	0.009	-0.003	-0.006
	N/A	N/A	N/A
SA40SF2	-0.005	0.001	-0.003
	-0.008	0.003	0.001
	0.006	0.000	-0.003
	0.003	0.000	0.000
	0.016	0.005	-0.006
	0.013	0.004	-0.003
SA40HV3		-0.024	
		-0.011	
		-0.014	
		-0.005	
			0.009
			0.002
	inches	inches	inches
	0.0096		



Latest File Date: March 11, 2002

50Q-40

Description:

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