

Fiducial Data Summary for 50Q Rafts

50Q-36

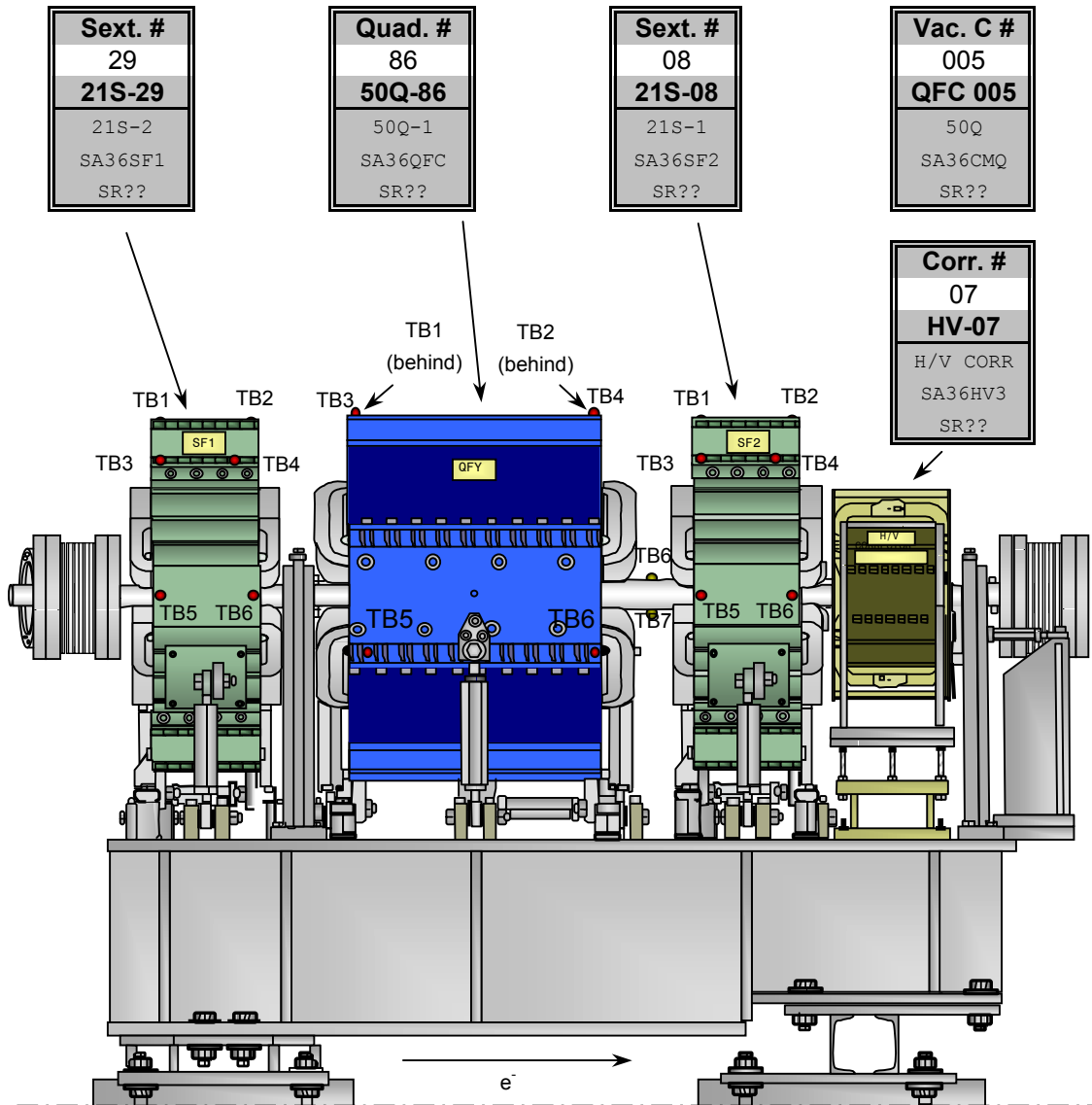
Raft Description:

Date November 19, 2001

Raft # 36 50Q-36	Type 1 50Q T-1	Bld. 750 Name SA36	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.



Sext. #
29
21S-29
21S-2
SA36SF1
SR??

Quad. #
86
50Q-86
50Q-1
SA36QFC
SR??

Sext. #
08
21S-08
21S-1
SA36SF2
SR??

Vac. C #
005
QFC 005
50Q
SA36CMQ
SR??

Corr. #
07
HV-07
H/V CORR
SA36HV3
SR??

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

Fiducial	Z	X	Y
TB1	-3.600	4.212	15.508
TB2	3.609	4.220	15.509
TB3	-3.596	-10.531	12.521
TB4	2.371	-10.547	12.512
TB5	-3.782	-15.063	0.055
TB6	3.775	-15.062	0.093

inches inches inches

SEXTUPOLE
21S-29

SA36SF1
SR??

10/29/01

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

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

Fiducial	Z	X	Y
TB1	-9.435	11.233	16.202
TB2	9.460	11.244	16.205
TB3	-9.439	-11.226	16.204
TB4	9.435	-11.235	16.204
TB5	-8.377	-15.203	-4.748
TB6	9.313	-15.205	-4.724

inches inches inches

QUADRUPOLE
50Q-86

SA36QFC
SR??

11/12/01

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	-3.736	4.205	15.509
TB2	3.753	4.163	15.507
TB3	-3.638	-10.494	12.541
TB4	2.271	-10.517	12.530
TB5	-3.741	-15.063	0.011
TB6	3.758	-15.063	0.014

inches inches inches

**SEXTUPOLE
21S-08**

SA36SF2
SR??

11/19/01

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-07**

SA36HV3
SR??

No Date

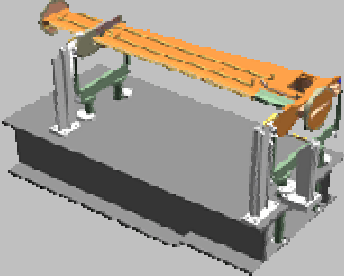
Description:
Fiducials based on known nominal values.

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

Fiducial	Z	X	Y
TB1	-13.982	-3.430	4.384
TB2	-13.985	7.271	4.395
TB3	37.427	-5.499	4.404
TB4	37.544	13.281	2.989
TB5	33.419	7.576	2.080
TB6	13.382	2.659	2.343
TB7	13.455	2.564	-2.317

inches inches inches

VACUUM CHAMBER
QFC 005



SA36CMQ
SR??

7/31/01

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
SA36SF1	-0.535	-3.500	0.000	0.0000
SA36QFC	0.000	-3.500	0.000	0.0000
SA36CMQ	0.000	-3.500	0.000	0.0000
SA36SF2	0.535	-3.500	0.000	0.0000

meters meters meters degrees

Date of Deck File: April 16, 2002

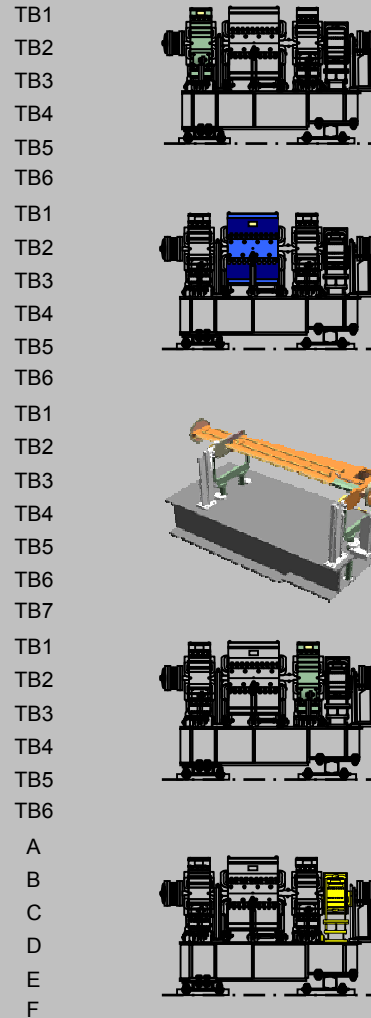
Location of Raft: WEST

50Q-36

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)
SA36SF1	-0.010	-0.010	0.001
	-0.009	-0.008	0.002
	0.001	-0.005	0.002
	-0.003	-0.001	-0.001
	0.001	-0.004	0.001
	0.000	-0.002	0.000
SA36QFC	-0.023	-0.005	-0.005
	-0.026	0.002	-0.007
	-0.011	-0.007	-0.003
	-0.017	0.008	-0.004
	-0.001	-0.001	-0.004
	-0.004	0.005	-0.004
SA36CMQ	0.008	-0.002	-0.005
	0.012	-0.009	-0.002
	-0.024	0.006	0.002
	-0.015	0.000	0.001
	0.001	0.001	-0.001
	N/A	N/A	N/A
	N/A	N/A	N/A
SA36SF2	0.012	0.009	0.004
	0.010	0.009	0.001
	0.000	0.006	0.002
	-0.003	0.003	-0.002
	-0.007	0.004	0.002
	-0.010	0.003	-0.002
SA36HV3		-0.003	
		0.003	
		-0.003	
		0.005	
			-0.006
			0.011
	inches	inches	inches



Latest File Date: February 21, 2002

50Q-36

Description:

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