

Fiducial Data Summary for 50Q Rafts

50Q-45

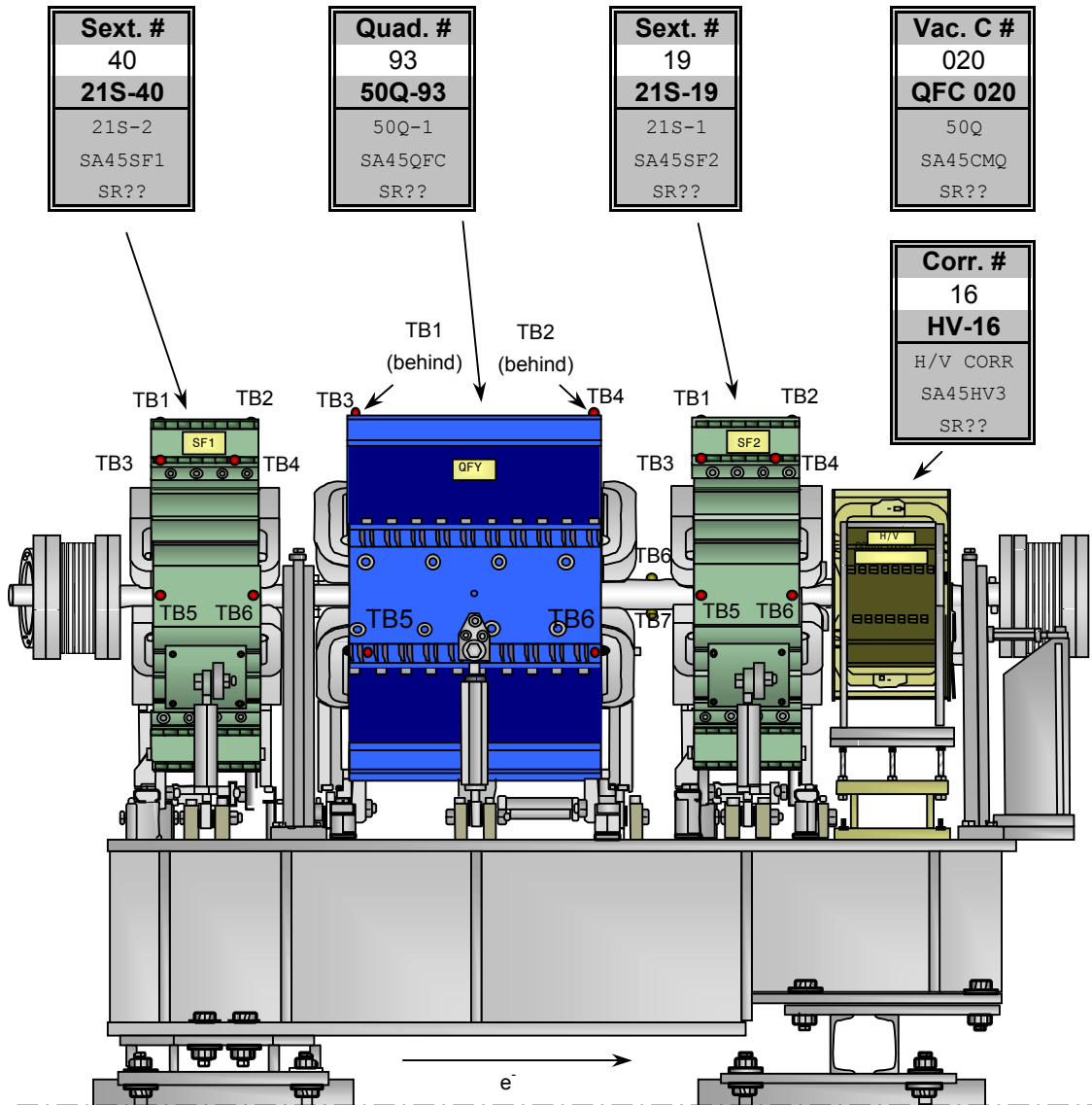
Raft Description:

Date February 11, 2002

Raft # 45 50Q-45	Type 2 50Q T-2	Bld. 750 Name SA45	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	-3.742	4.172	15.512
TB2	3.769	4.222	15.510
TB3	-3.622	-10.515	12.534
TB4	2.264	-10.483	12.553
TB5	-3.753	-15.064	0.055
TB6	3.752	-15.064	0.051

inches inches inches

SEXTUPOLE
21S-40

SA45SF1
SR??

1/17/02

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

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

Fiducial	Z	X	Y
TB1	-9.429	11.242	16.203
TB2	9.476	11.243	16.205
TB3	-9.440	-11.243	16.207
TB4	9.449	-11.248	16.203
TB5	-8.347	-15.203	-4.776
TB6	9.269	-15.201	-4.724

inches inches inches

QUADRUPOLE
50Q-93

SA45QFC
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	-3.446	4.205	15.514
TB2	3.506	4.198	15.517
TB3	-3.629	-10.538	12.520
TB4	2.278	-10.517	12.532
TB5	-3.810	-15.061	0.018
TB6	3.763	-15.060	0.010

inches inches inches

SEXTUPOLE
21S-19

SA45SF2
SR??

2/11/02

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-16

SA45HV3
SR??

No Date

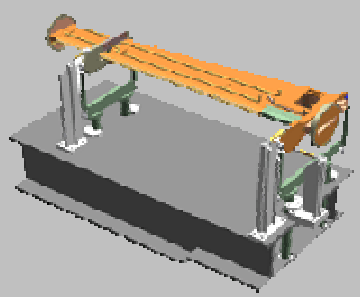
Description:
Fiducials based on known nominal values.

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

Fiducial	Z	X	Y
TB1	-13.801	-3.582	4.393
TB2	-13.812	7.224	4.373
TB3	37.486	-5.513	4.396
TB4	37.503	13.298	2.968
TB5	33.387	7.527	2.104
TB6	N/A	N/A	N/A
TB7	N/A	N/A	N/A

inches inches inches

VACUUM CHAMBER
QFC 020



SA45CMQ
SR??

1/14/02

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
SA45SF1	-0.535	0.000	0.000	0.0000
SA45QFC	0.000	0.000	0.000	0.0000
SA45CMQ	0.000	0.000	0.000	0.0000
SA45SF2	0.535	0.000	0.000	0.0000

meters meters meters degrees

Date of Deck File: April 16, 2002

Location of Raft: EAST

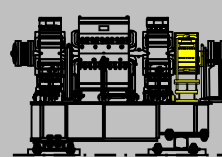
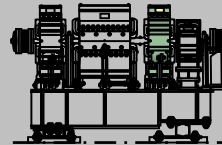
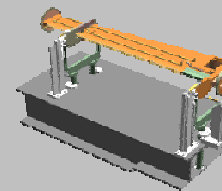
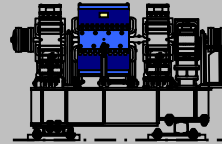
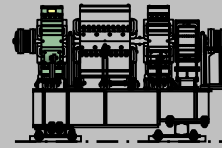
50Q-45

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)
SA45SF1	-0.004	0.007	0.002
	-0.007	0.004	-0.001
	-0.005	0.000	0.004
	-0.006	0.002	0.002
	-0.012	0.002	0.003
	-0.008	-0.002	-0.002
SA45QFC	-0.001	-0.004	0.000
	-0.003	0.000	-0.003
	-0.003	0.000	-0.001
	-0.003	-0.008	-0.002
	-0.002	-0.003	0.000
	-0.004	-0.005	0.000
SA45CMQ	0.010	-0.004	0.000
	0.010	-0.008	0.001
	-0.007	0.003	-0.001
	-0.003	0.003	0.002
	0.002	0.002	-0.003
	N/A	N/A	N/A
	N/A	N/A	N/A
SA45SF2	-0.005	-0.001	0.002
	-0.002	0.001	0.005
	-0.005	0.001	-0.003
	-0.006	0.005	0.001
	-0.003	0.007	-0.005
	-0.001	0.000	0.000
SA45HV3		0.010	
		0.028	
		0.014	
		0.022	
			-0.001
			0.001
	inches	inches	inches

TB1
TB2
TB3
TB4
TB5
TB6
TB1
TB2
TB3
TB4
TB5
TB6
TB1
TB2
TB3
TB4
TB5
TB6
TB7
TB1
TB2
TB3
TB4
TB5
TB6
A
B
C
D
E
F



Latest File Date: April 17, 2002

50Q-45

Description:

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