

Fiducial Data Summary for 50Q Rafts

50Q-41

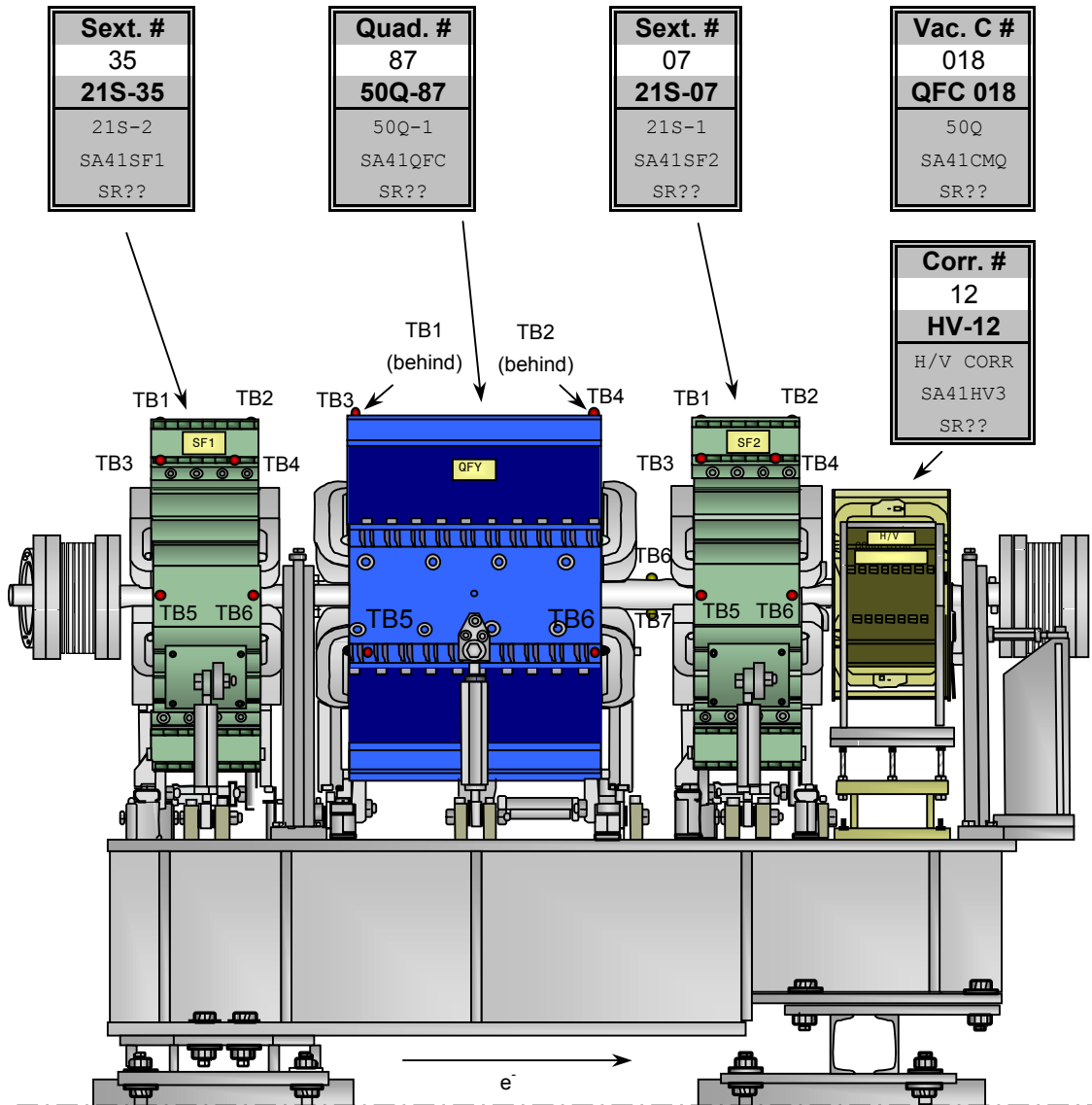
Raft Description:

Date January 25, 2002

Raft # 41 50Q-41	Type 1 50Q T-1	Bld. 750 Name SA41	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	-3.673	4.262	15.510
TB2	3.685	4.205	15.507
TB3	-3.629	-10.500	12.539
TB4	2.297	-10.490	12.545
TB5	-3.852	-15.069	0.023
TB6	3.756	-15.064	0.027

inches inches inches

SEXTUPOLE
21S-35

SA41SF1
SR??

12/21/01

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

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

Fiducial	Z	X	Y
TB1	-9.454	11.219	16.203
TB2	9.416	11.243	16.205
TB3	-9.450	-11.229	16.208
TB4	9.446	-11.235	16.205
TB5	-8.396	-15.200	-4.771
TB6	9.352	-15.201	-4.770

inches inches inches

QUADRUPOLE
50Q-87

SA41QFC
SR??

11/13/01

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	-3.684	4.122	15.509
TB2	3.611	4.193	15.509
TB3	-3.628	-10.506	12.536
TB4	2.282	-10.497	12.538
TB5	-3.702	-15.063	-0.009
TB6	3.789	-15.064	0.039

inches inches inches

SEXTUPOLE
21S-07

SA41SF2
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-12

SA41HV3
SR??

No Date

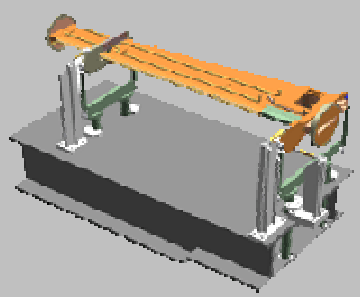
Description:
Fiducials based on known nominal values.

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

Fiducial	Z	X	Y
TB1	-13.809	-3.431	4.392
TB2	-13.852	7.238	4.361
TB3	37.465	-5.441	4.390
TB4	37.554	13.237	2.964
TB5	33.438	7.563	2.073
TB6	N/A	N/A	N/A
TB7	N/A	N/A	N/A

inches inches inches

VACUUM CHAMBER
QFC 018



SA41CMQ
SR??

1/25/02

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
SA41SF1	-0.535	0.000	0.000	0.0000
SA41QFC	0.000	0.000	0.000	0.0000
SA41CMQ	0.000	0.000	0.000	0.0000
SA41SF2	0.535	0.000	0.000	0.0000

meters meters meters degrees

Date of Deck File: April 16, 2002

Location of Raft: EAST

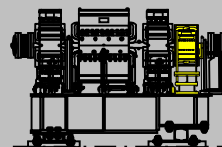
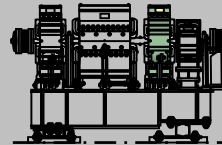
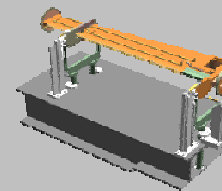
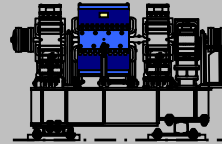
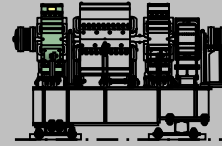
50Q-41

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)
SA41SF1	0.007	0.000	-0.004
	0.009	-0.005	0.000
	0.003	0.003	-0.005
	0.005	-0.003	-0.002
	0.005	0.005	-0.003
	0.001	0.006	-0.002
SA41QFC	-0.009	0.000	0.002
	-0.013	-0.001	0.002
	-0.007	-0.002	0.002
	-0.012	0.002	0.003
	-0.008	-0.007	0.005
	-0.007	-0.008	0.005
SA41CMQ	-0.002	-0.001	-0.002
	-0.003	-0.003	0.002
	-0.013	0.000	0.000
	0.002	0.017	3.003
	-0.007	0.005	-0.001
	N/A	N/A	N/A
	N/A	N/A	N/A
SA41SF2	-0.005	0.002	0.001
	-0.004	-0.006	0.002
	-0.002	0.001	0.000
	-0.002	-0.008	0.001
	-0.002	0.003	-0.002
	0.000	0.001	0.001
SA41HV3		0.004	
		0.001	
		0.010	
		-0.006	
			-0.003
			-0.004
	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: March 20, 2002

50Q-41

Description:

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