

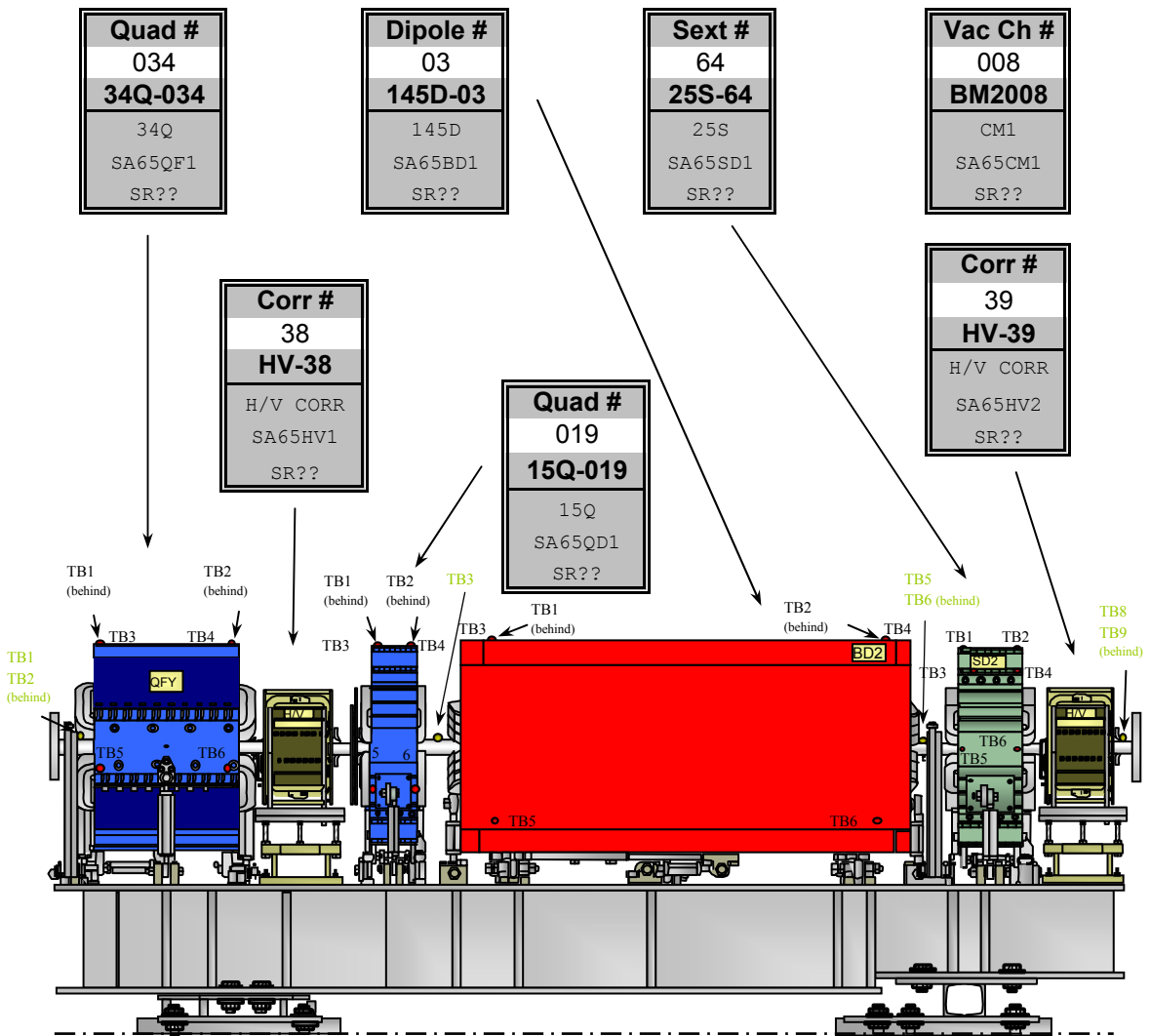
Raft Description:

Date November 25, 2002

Raft # 65 145D-65	Type 1 145D T-1	Bld. 750 Name SA65	S3 Ring Name SR??
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Notes:

The above date represents the latest fiducial date of all components listed below.



Quadrupole: Fiducial Values for Upstream (34Q) Quadrupole

Fiducial	Z	X	Y
TB1	-6.118	10.876	16.201
TB2	6.102	10.850	16.201
TB3	-6.042	-10.836	16.203
TB4	6.136	-10.871	16.201
TB5	-5.195	-15.200	-4.759
TB6	4.675	-15.202	-4.721

inches inches inches

QUADRUPOLE
34Q-034

SA65QF1
SR??

8/6/01

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

Vacuum Chamber: Fiducial Values for BM2 Vacuum Chamber

Fiducial	Z	X	Y
TB1	-77.074	-6.249	4.383
TB2	-77.182	7.292	4.378
TB3	-34.845	0.111	4.380
TB4	0.411	3.866	2.381
TB5	34.493	-4.656	4.377
TB6	35.776	2.283	4.381
TB7	53.877	-4.280	2.403
TB8	58.030	-12.403	2.909
TB9	60.993	2.995	2.927
TB0	N/A	N/A	N/A

inches inches inches

VACUUM CHAMBER
BM2008

SA65CM1
SR??

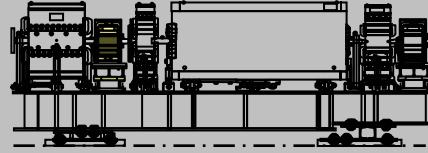
11/25/02

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

HV1 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

**HV1 CORRECTOR
HV-38**



SA65HV1
SR??

No Date

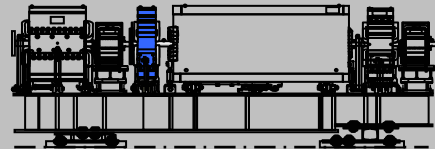
Description:

Fiducials based on known nominal values.

Quadrupole: Fiducial Values for Upstream (15Q) Quadrupole

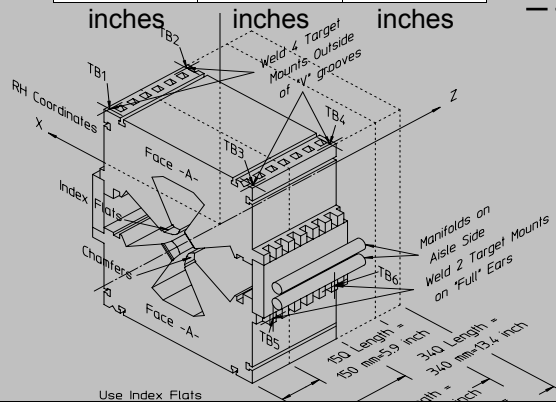
Fiducial	Z	X	Y
TB1	-2.582	11.245	16.200
TB2	2.595	11.225	16.205
TB3	-2.568	-11.246	16.200
TB4	2.583	-11.249	16.197
TB5	-1.502	-15.202	-4.765
TB6	2.412	-15.199	-4.739
	inches	inches	inches

**QUADRUPOLE
15Q-019**



SA65QD1
SR??

8/8/01



Description:

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

Gradient Dipole: Fiducial Values for Dipole (145D)

Fiducial	Z	X	Y
TB1	-26.556	3.442	17.009
TB2	26.547	3.444	17.000
TB3	-26.549	-22.406	17.005
TB4	26.595	-22.398	17.002
TB5	-26.454	-24.257	-11.612
TB6	26.453	-24.261	-11.674

inches inches inches

GRADIENT DIPOLE
145D-03

SA65BD1
SR??

5/31/01

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

Sextupole: Fiducial Values for 25S Sextupole

Fiducial	Z	X	Y
TB1	-4.331	4.198	15.506
TB2	4.370	4.192	15.509
TB3	-4.420	-10.493	12.539
TB4	3.418	-10.544	12.513
TB5	-4.505	-15.062	0.047
TB6	4.531	-15.062	0.041

inches inches inches

SEXTUPOLE
25S-64

SA65SD1
SR??

8/21/01

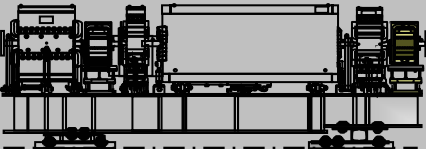
Description:
Fiducials based on values posted on web-page. (Check for updates.)

HV2 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

HV2 CORRECTOR
HV-39



SA65HV2
SR??

No Date

Description:
Fiducials based on known nominal values.

Building 750 Deck: Positions of Component Origins

750 Name	Z	X	Y	Yaw
SA65QF1	-4.114	-0.311	0.000	10.5882
SA65QD1	-3.485	-0.194	0.000	10.5882
SA65CM1	-2.450	0.000	0.000	10.5882
SA65BD1	-2.447	-0.034	0.000	5.2941
SA65SD1	-1.367	0.000	0.000	0.0000

meters meters meters degrees

Date of Deck File: March 10, 2003

Location of Raft: EAST

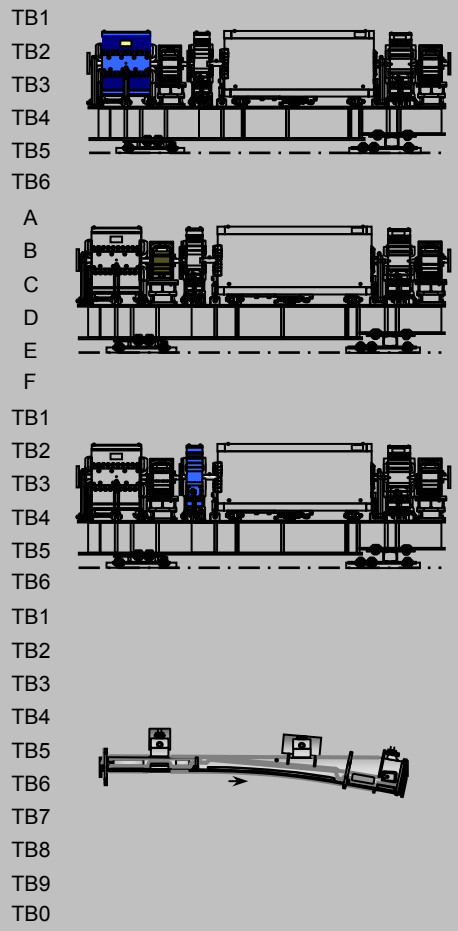
145D-65

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

Building 750 As-Built: (TABLE 1 of 2)

750 Name	delta Z	delta X	delta Y (delta H)
SA65QF1	0.003	0.005	-0.001
	0.006	0.004	0.005
	0.003	0.007	-0.001
	-0.001	0.004	0.005
	0.010	0.002	0.000
	0.010	0.002	0.004
SA65HV1		7.714	
		7.713	
		7.711	
		7.705	
			0.004
			0.000
SA65QD1	0.010	0.002	0.002
	0.009	-0.003	0.003
	0.004	0.007	-0.004
	0.002	0.006	-0.002
	0.007	-2.993	-0.006
	0.014	0.003	0.001
SA65CM1	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A

inches inches inches



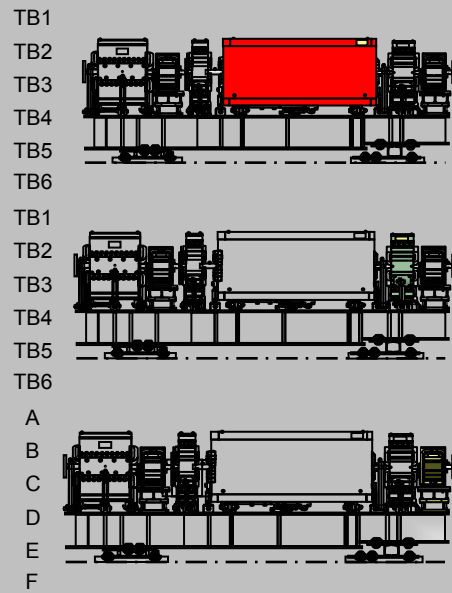
Latest File Date: February 5, 2003

145D-65

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

Building 750 As-Built: (TABLE 2 of 2)

750 Name	delta Z	delta X	delta Y (delta H)
SA65BD1	0.007	-0.006	-0.004
	-0.006	-0.002	0.004
	0.007	0.003	0.003
	-0.003	0.004	0.002
	0.008	-0.002	0.007
	-0.002	0.005	0.011
SA65SD1	-0.005	-0.010	0.002
	-0.008	-0.003	0.000
	-0.001	-0.004	0.001
	-0.003	0.006	0.000
	-0.001	-0.004	0.001
	-0.006	0.000	0.000
SA65HV2		7.728	
		7.735	
		7.724	
		7.722	
			-7.740
			-7.734
	inches	inches	inches



Latest File Date: February 6, 2003

145D-65

Description:

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