I002B INSERTION DIPOLES

R2BD4

Insertion Dipole

Link Box

R2BD3

Quench Protection
QP10
b2-dh0-qp
QPAIC: AI
QPAIC Port: J1B

(NOT TO SCALE)

B01/02-PS3
b2-dh0-ps
600A @ 20V

In: b2.dh0.i-BMD
wfg: cfe-2b-psl.f1

S = R09-C-J12
I = R09-C-J13
V = R09-C-J14
D = R09-C-J15

Node Card Port: I0-9
R = 1.36 mOhms

(NOT TO SCALE)

R2BD2

Quench Protection
QP11
b2-dhx-qp
QPAIC: AI
QPAIC Port: J1A
(NOT TO SCALE)

Agilent MultiMeter and GPIB-ENET Box
GPIB-ENET Box Address: gpib24.pbn.bnl.gov

B01/02-PS2
b2-dhx-ps
2000A @ 20V

In 1: b2.dhx.i-BMD
In 1 wfg: cfe-2b-psl.e1
In 2: b2.dh0.i-BMD
In 2 wfg: cfe-2b-psl.f1

S = R09-C-J4
I = R09-C-J5
V = R09-C-J6
D = R09-C-J7

Node Card Port: I0-8
R = 0.403 mOhms

(NOT TO SCALE)

R2BD1

Quench Protection
QP11
y2-dh0-qp
QPAIC: AI
QPAIC Port: J5A

(NOT TO SCALE)

Y01/02-PS1
y2-dh0-ps
2000A @ 20V
Control: 1 Input

In: y2.dh0.i-YMD
wfg: cfe-2b-ps2.e1

S = R08-C-J4
I = R08-C-J5
V = R08-C-J6
D = R08-C-J7

Node Card Port: I0-7
R = 0.318 mOhms

(NOT TO SCALE)

I002B QUAD DEFOCUSSING POWER SUPPLIES

R2BQD1

1u Spacer

Bypass Chassis
Node Card Port: I0-11

2u Spacer

Quench Protection
QP05
bo2-qf8-qp
QPAIC: AI
QPAIC Port: J3A

1u Spacer

B002-PSFA
bo2-qf8-ps
200A @ +/-15V

In 1: bo2.qf8.i-BQID
In 1 wfg: cfe-2b-psl.d1
In 2: b2.q89.i-BQID
In 2 wfg: cfe-2b-psl.d0

S = R09-B-J12
I = R09-B-J13
V = R09-B-J14
D = R09-B-J15

Node Card Port: I0-1
R = 4.99 mOhms

3u Spacer

Quench Protection
QP04
b2-q89-qp
QPAIC: AI
QPAIC Port: J2B

B01-PSDA
b2-q89-ps
+/-300A @ +/-15V

In: b2.q89.i-BQID
wfg: cfe-2b-psl.d0

S = R09-B-J8
I = R09-B-J9
V = R09-B-J10
D = R09-B-J11

Node Card Port: I0-2
R = 3.50 mOhms

1u Spacer

R2BQD2

Node Card
Address I0
PS=9, QPAIC=1, Bypass=1

QPAIC-AI

Node Card Port: I0-12

2u Spacer

Quench Protection
QP05
yo1-qf8-qp
QPAIC: AI
QPAIC Port: J6B

1u Spacer

Y001-PSFA
yo1-qf8-ps
200A @ 15V

In 1: yo1.qf8.i-YQID
In 1 wfg: cfe-2b-ps2.e0
In 2: y2.q89.i-YQID
In 2 wfg: cfe-2b-ps2.d0

S = R08-C-J0
I = R08-C-J1
V = R08-C-J2
D = R08-C-J3

Node Card Port: I0-3
R = 3.64 mOhms

1u Spacer

Quench Protection
QP05
bi1-qf9-qp
QPAIC: AI
QPAIC Port: J2A

1u Spacer

BI01-PSFA
bi1-qf9-ps
200A @ 15V

In 1: bi1.qf9.i-BQID
In 1 wfg: cfe-2b-psl.e0
In 2: b2.q89.i-BQID
In 2 wfg: cfe-2b-psl.d0

S = R09-C-J0
I = R09-C-J1
V = R09-C-J2
D = R09-C-J3

Node Card Port: I0-4
R = 4.83 mOhms

1u Spacer

R2BQD3

Timing Resolver For QPAIC - AI

2u Spacer

Quench Protection
QP05
yi2-qf9-qp
QPAIC: AI
QPAIC Port: J6A

1u Spacer

YI02-PSFA
yi2-qf9-ps
200A @ 15V

In 1: yi2.qf9.i-YQID
In 1 wfg: cfe-2b-ps2.d1
In 2: y2.q89.i-YQID
In 2 wfg: cfe-2b-ps2.d0

S = R08-B-J12
I = R08-B-J13
V = R08-B-J14
D = R08-B-J15

Node Card Port: I0-5
R = 3.48 mOhms

3u Spacer

Quench Protection
QP04
y2-q89-qp
QPAIC: AI
QPAIC Port: J5B

Y01/02-PSDA
y2-q89-ps
+/-300A @ +/-15V

In: y2.q89.i-YQID
wfg: cfe-2b-ps2.d0

S = R08-B-J8
I = R08-B-J9
V = R08-B-J10
D = R08-B-J11

Node Card Port: I0-6
R = 2.45 mOhms

1u Spacer

77.0° 44U
70.0° 40U
52.5° 30U
35.0° 20U
17.5° 10U

DWG NO	24060033
SHT	2 OF 5
REV	A

COLLIDER-ACCELERATOR DEPARTMENT
BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

SIZE	DRAWING NUMBER:	REV.
C	24060033	A

Q.A. CATEGORY: A-3 | SCALE: 1/1 | WEIGHT: NA | SHEET 2 OF 5