NOTES:

REVISIONS							
REV	ZONE	ECN NO.	DESCRIPTION	BY	DATE	CKR	APP
A			INITIAL RELEASE	LT	9/03		

1006B QUAD TRIM POWER SUPPLIES

	R6BQT4	R6BQT3	R6BQT2	R6BQT1
77.0° 44U	4u blank panel	tq Ground Current Monitoring Chassis 1u Spacer	Node Card Address: 9 PS=12 1u Spacer	4u blank panel
70.0° 40U	Quench Protection QP03 yi6-tq4-qp QPAIC: BI QPAIC Port: J6B	Quench Protection QP03 yo5-tq4-qp QPAIC: BI QPAIC Port: J5A	Quench Protection QP03 bo6-tq4-qp QPAIC: BI QPAIC Port: J2B	Quench Protection QP03 bi5-tq4-qp QPAIC: BI QPAIC Port: J1A
52.5° 30U	YI06-QT4 yi6-tq4-ps +/-150A @ +/-15V wfg: cfe-6b-ps2.b1 S = R04-A-J12 I = R04-A-J13 V = R04-A-J14 D = R04-A-J15 IGND = R03-H-J5 Node Card Port: 9-10 R = 10.91 mOhms	YO05-QT4 yo5-tq4-ps +/-150A @ +/-15V wfg: cfe-6b-ps2.a0 S = R04-A-J0 I = R04-A-J1 V = R04-A-J2 D = R04-A-J3 IGND = R03-H-J8 Node Card Port: 9-7 R = 11.22 mOhms	BO06-QT4 bo6-tq4-ps +/-150A @ +/-15V wfg: cfe-6b-psl.b1 S = R03-A-J12 I = R03-A-J13 V = R03-A-J14 D = R03-A-J15 IGND = R04-G-J11 Node Card Port: 9-4 R = 12.78 mOhms	BI05-QT4 bi5-tq4-ps +/-150A @ +/-15V wfg: cfe-6b-psl.a0 S = R03-A-J0 I = R03-A-J1 V = R03-A-J2 D = R03-A-J3 IGND = R04-G-J14 Node Card Port: 9-1 R = 12.47 mOhms
	Quench Protection QP03 yi6-tq5-qp QPAIC: BI QPAIC Port: J7A	Quench Protection QP03 yo5-tq5-qp QPAIC: BI QPAIC Port: J5B	Quench Protection QP03 bo6-tq5-qp QPAIC: BI QPAIC Port: J3A	Quench Protection QP03 bi5-tq5-qp QPAIC: BI QPAIC Port: J1B
35.0° 20U	YI06-QT5 yi6-tq5-ps +/-150A @ +/-15V wfg: cfe-6b-ps2.c0 S = R04-B-J0 I = R04-B-J1 V = R04-B-J2 D = R04-B-J3 IGND = R03-H-J6 Node Card Port: 9-11 R = 10.91 mOhms	YO05-QT5 yo5-tq5-ps +/-150A @ +/-15V wfg: cfe-6b-ps2.a1 S = R04-A-J4 I = R04-A-J5 V = R04-A-J6 D = R04-A-J7 IGND = R03-H-J9 Node Card Port: 9-8 R = 11.22 mOhms	BO06-QT5 bo6-tq5-ps +/-150A @ +/-15V wfg: cfe-6b-psl.c0 S = R03-B-J0 I = R03-B-J1 V = R03-B-J2 D = R03-B-J3 IGND = R04-G-J12 Node Card Port: 9-5 R = 12.78 mOhms	BI05-QT5 bi5-tq5-ps +/-150A @ +/-15V wfg: cfe-6b-psl.a1 S = R03-A-J4 I = R03-A-J5 V = R03-A-J6 D = R03-A-J7 IGND = R04-G-J15 Node Card Port: 9-2 R = 12.47 mOhms
	Quench Protection QP03 yi6-tq6-qp QPAIC: BI QPAIC Port: J7B	Quench Protection QP03 yo5-tq6-qp QPAIC: BI QPAIC Port: J6A	Quench Protection QP03 bo6-tq6-qp QPAIC: BI QPAIC Port: J3B	Quench Protection QP03 bi5-tq6-qp QPAIC: BI QPAIC Port: J2A
17.5° 10U	YI06-QT6 yi6-tq6-ps +/-150A @ +/-15V wfg: cfe-6b-ps2.c1 S = R04-B-J4 I = R04-B-J5 V = R04-B-J6 D = R04-B-J7 IGND = R03-H-J7 Node Card Port: 9-12 R = 10.91 mOhms	YO05-QT6 yo5-tq6-ps +/-150A @ +/-15V wfg: cfe-6b-ps2.b0 S = R04-A-J8 I = R04-A-J9 V = R04-A-J10 D = R04-A-J11 IGND = R03-H-J10 Node Card Port: 9-9 R = 11.22 mOhms	BO06-QT6 bo6-tq6-ps +/-150A @ +/-15V wfg: cfe-6b-psl.c1 S = R03-B-J4 I = R03-B-J5 V = R03-B-J6 D = R03-B-J7 IGND = R04-G-J13 Node Card Port: 9-6 R = 12.78 mOhms	BI05-QT6 bi5-tq6-ps +/-150A @ +/-15V wfg: cfe-6b-psl.b0 S = R03-A-J8 I = R03-A-J9 V = R03-A-J10 D = R03-A-J11 IGND = R04-H-J0 Node Card Port: 9-3 R = 12.47 mOhms
	1u Spacer	1u Spacer	1u Spacer	1u Spacer

USED ON DRAWING NO.	QTY. PER ASS'Y.
APPLICATION	

OUTSTANDING ECN

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
.X ± .06
.XX ± .02
.XXX ± .005
ANGULAR TOLERANCE ± 1°

125 FINISH

BREAK SHARP EDGES
MAX. .03 MIN. .015

RHIC

DRAWN BY	L.TADDONIO	9/29/03
DESIGN APPROVAL		12/10/03
CHECKED BY		12/12/03
ENGINEER APPROVAL		12/12/03
SUPERVISOR APPROVAL		12/15/03

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

TITLE: RHIC 1006B POWER SUPPLIES

SIZE C | DRAWING NUMBER: 24060035 | REV. A

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

DWG NO 24060035 | SHT 1 OF 5 | REV A

AUTOCAD 2000