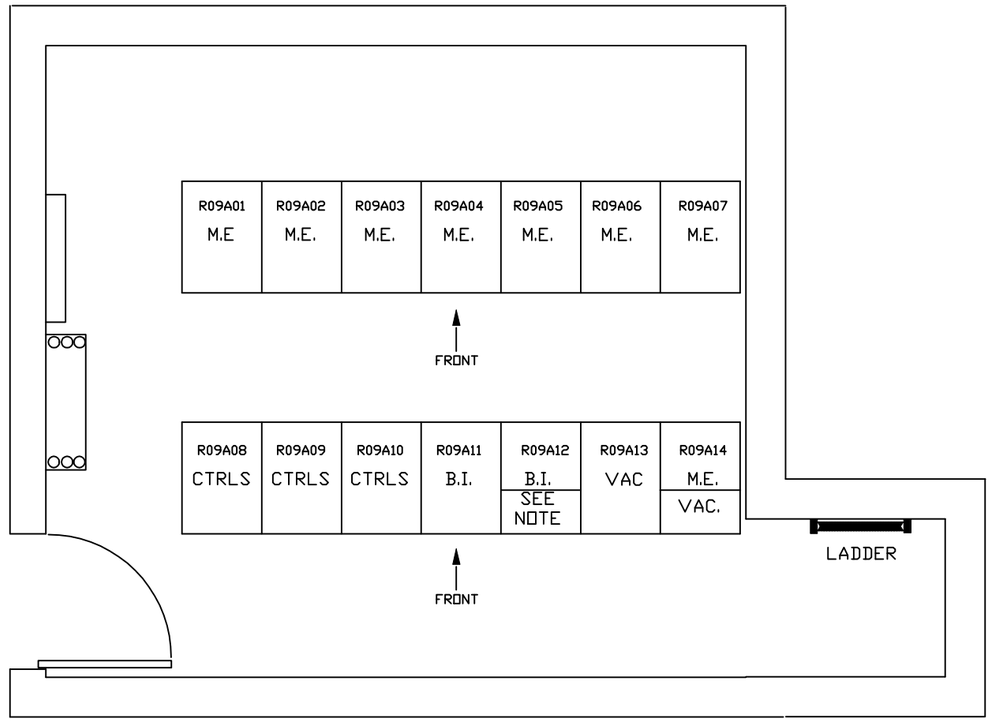


NOTE

M.E. - MAGNET ELECTRICAL
CTRLS - CONTROLS
VAC - VACUUM
B.I. - BEAM INSTRUMENTATION
NOTE - THIS HALF RACK WILL BE BEAM INSTRUMENTATION OR VACUUM GROUP DEPENDING ON SEXTANT TEST RESULTS.

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,SPNL NO.
		1	R09A10	5	RACK R09A10 ASSEMBLY	94028628
		1	R09A09	4	RACK R09A09 ASSEMBLY	94028627
		1	R09A08	3	RACK R09A08 ASSEMBLY	94028626
		1		2	RACKS R09A01 - R09A07 ASSEMBLY	94028678
		1		1	RHIC CONTROLS BLDG. 1009A WIRING DIAGRAM	94028685

QTY REQD

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
.X ±NA
.XX ±NA
.XXX ±NA
ANGULAR TOLERANCE
± .5°

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3		DATE
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1009A FLOOR PLAN

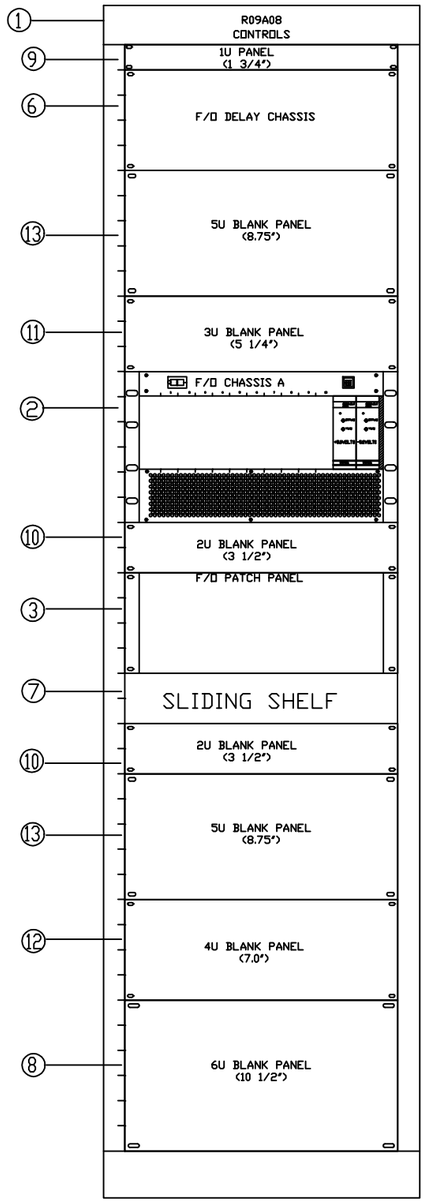
SIZE D
94028625
DRAWING NUMBER
REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

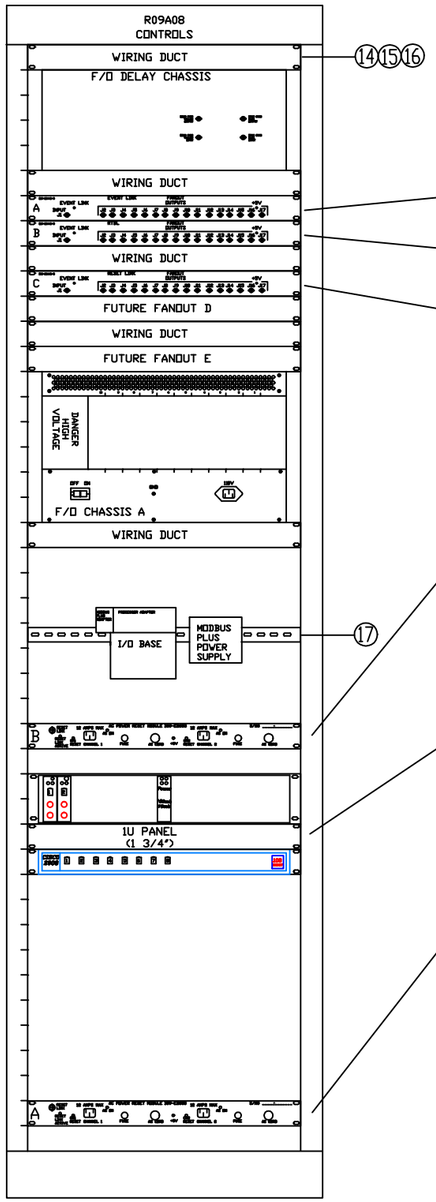
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

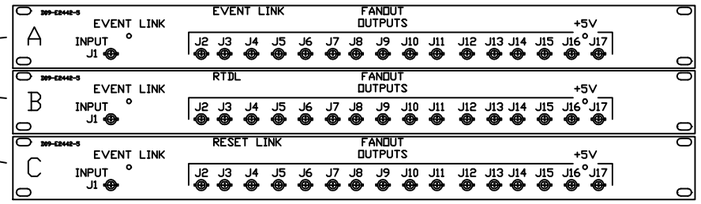
CONTROLS- 6/2/03 11:11 AM 8626.dwg

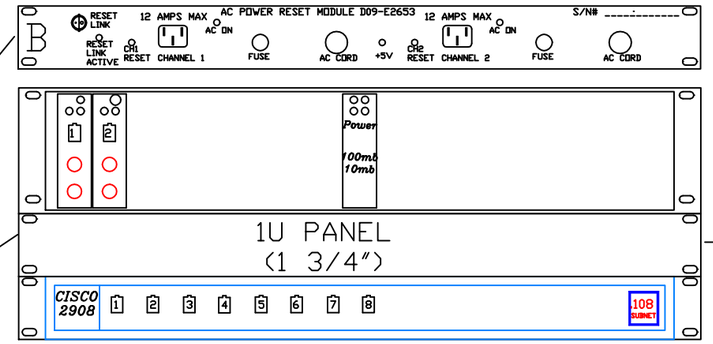


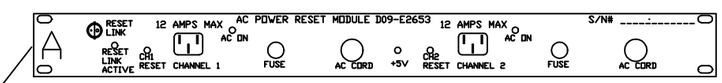
FRONT VIEW



REAR VIEW







-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BNL NO.
		2	A,B	18	AC POWER RESET MODULE	D09-E2653
		1	N/A	17	MODICON HARDWARE	X
		10	N/A	16	WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT S1.5-C)	X
		5	N/A	15	WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6)	X
		5	N/A	14	WIRING DUCT 1.5"W x 4"D (PANDUIT E1.5X4LG6)	X
		2	N/A	13	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		1	N/A	12	4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553)	X
		1	N/A	11	3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553)	X
		2	N/A	10	2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553)	X
		1	N/A	9	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
		1	N/A	8	6U x 19" BLANK PANEL (PREMIER METAL ARP-1019-553)	X
		1	N/A	7	SLIDING SHELF (PREMIER METAL TWS-319)	X
		1	N/A	6	FIBER OPTIC DELAY CHASSIS ASSY.	94028277
		1	A	5	ETHERNET REPEATER	X
		3	A,B,C	4	FANOUT ASSEMBLY	D09-E2442
		1	N/A	3	FIBER OPTIC PATCH PANEL	X
		1	N/A	2	F/O CHASSIS A	94028348
		1	N/A	1	19" RACK, 77"H RACK SPACE	X

QTY REQD

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3		DATE	BROOKHAVEN NATIONAL LABORATORY
DRAWN BY	Venegas	8/12/99	UPTON, N.Y. 11973
CHECKED BY			RHIC CONTROLS
DESIGN APPROVAL			ALCOVE 1009A
ENGINEER APPROVAL	R. MICHNOFF	10/23/97	RACK R09A8 ASSEMBLY
SUPVR. APPROVAL			94028626
NEXT ASSEMBLY			

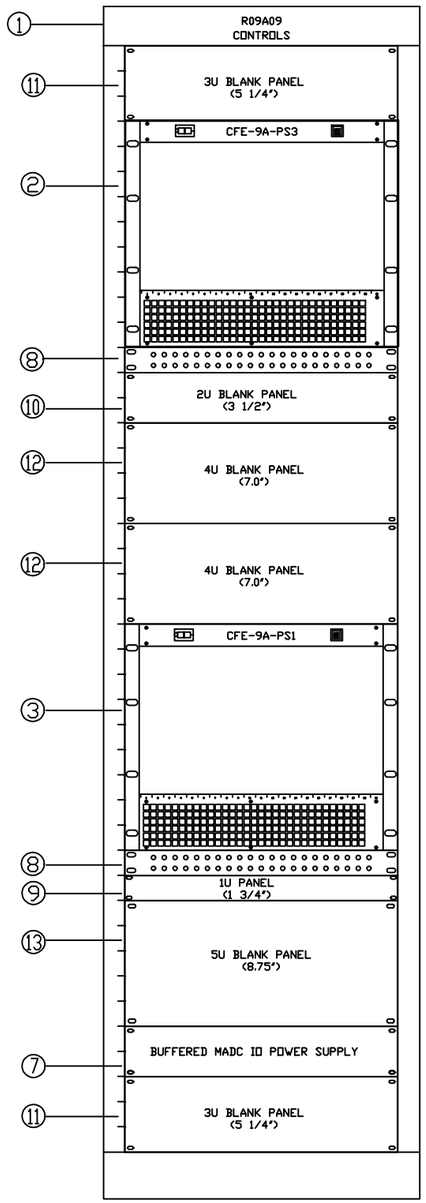
SIZE D — DRAWING NUMBER — REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

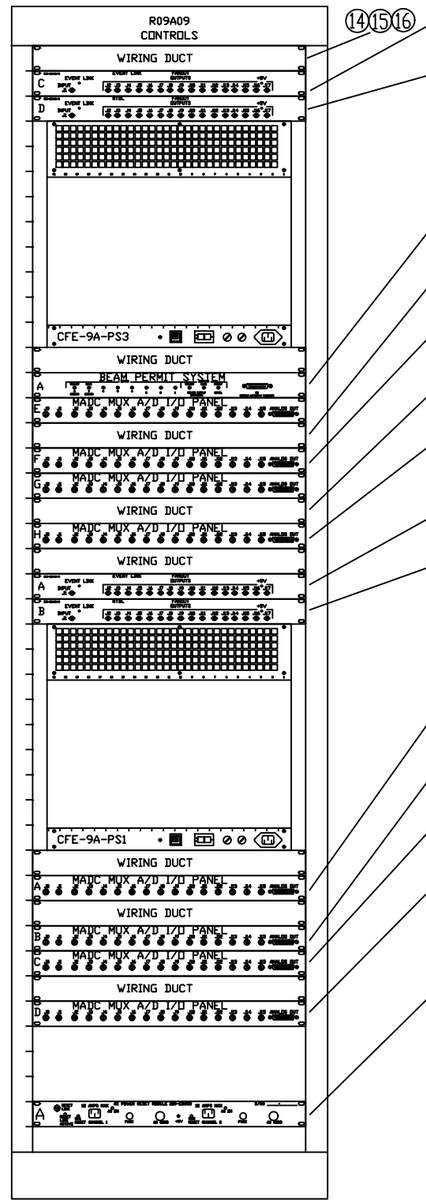
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

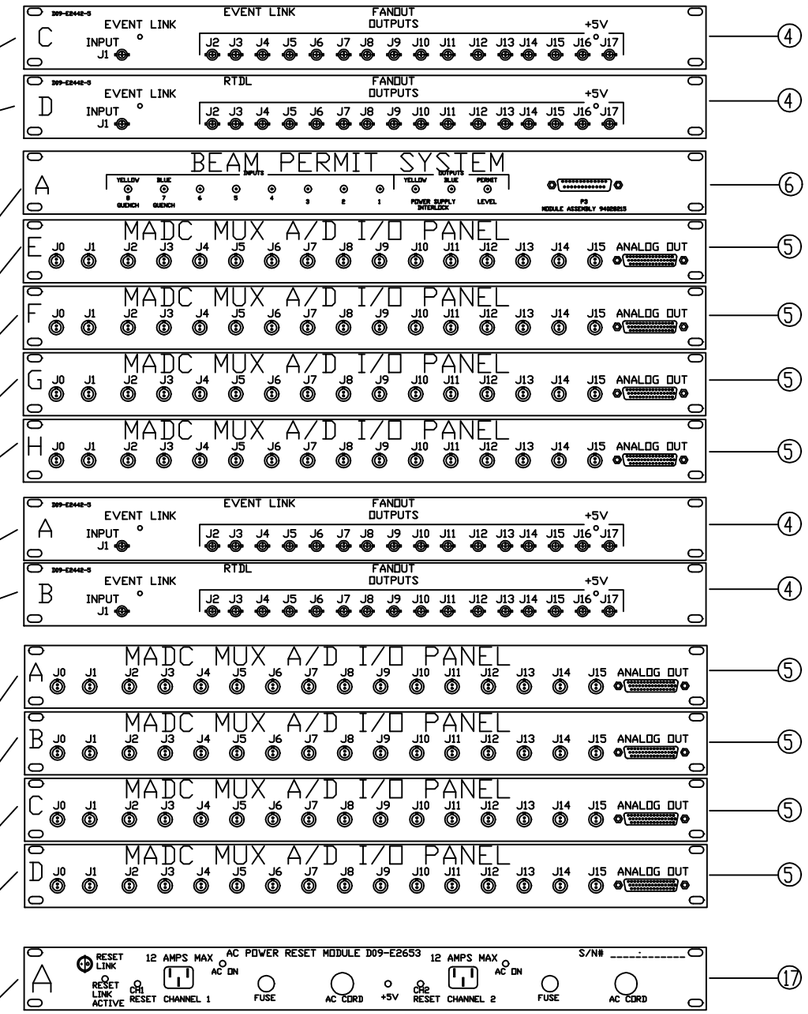
ACS, BNL 8/24/00 1:39 PM8627.dwg



FRONT VIEW



REAR VIEW



QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BNL NO.
		1	N/A	17	AC POWER RESET MODULE	D09-E2653
		16	N/A	16	WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT S1.5-C)	X
		8	N/A	15	WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6)	X
		8	N/A	14	WIRING DUCT 1.5"W x 4"D (PANDUIT E1.5X4LG6)	X
		1	N/A	13	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		2	N/A	12	4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553)	X
		2	N/A	11	3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553)	X
		1	N/A	10	2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553)	X
		1	N/A	9	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
		2	N/A	8	GROMMET PANEL	94028410
		1	N/A	7	BUFFERED MADC POWER SUPPLY	94028808
		1	A	6	BEAM PERMIT SYSTEM INTERFACE PANEL	94028215
		8	A-H	5	BUFFERED MADC A/D I/O PANEL	94028670
		4	A,B,C,D	4	FANOUT ASSEMBLY	D09-E2442
		1	N/A	3	VME CHASSIS CFE-5C-PS1 ASSY.	94028300
		1	N/A	2	VME CHASSIS CFE-5C-PS3 ASSY.	94028299
		1	N/A	1	19" RACK, 77"H RACK SPACE	X

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

FINISH NA

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Venegas	8/12/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	10/28/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1009A

RACK R09A09 ASSEMBLY

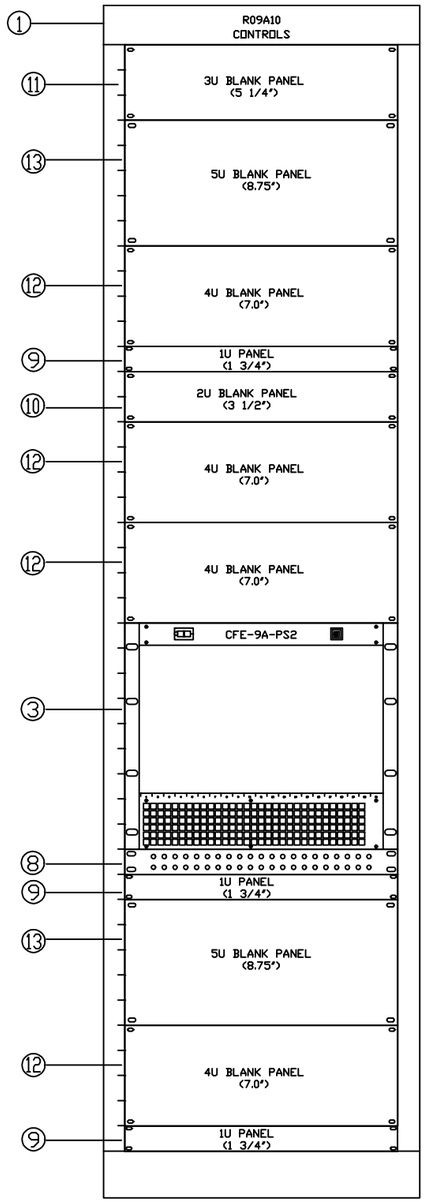
SIZE D | DRAWING NUMBER 94028627 | REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

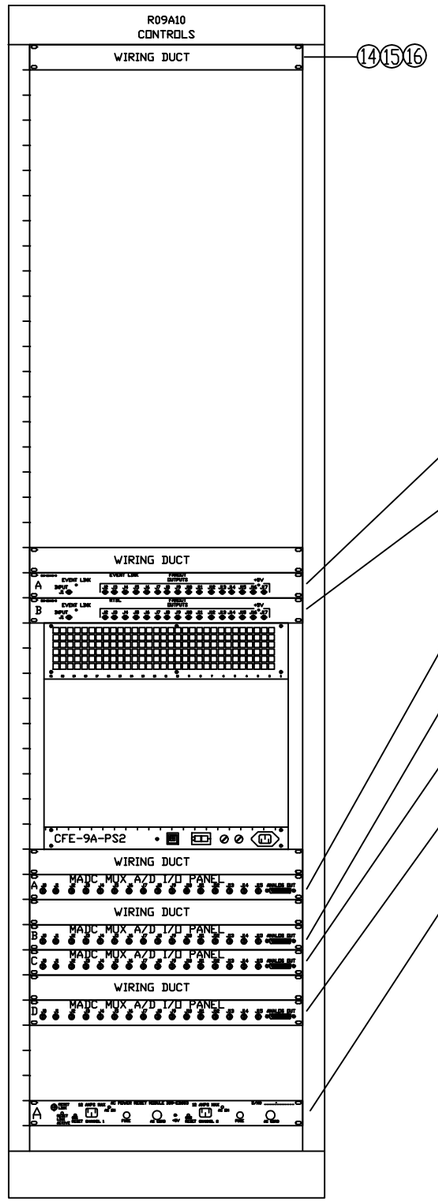
1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

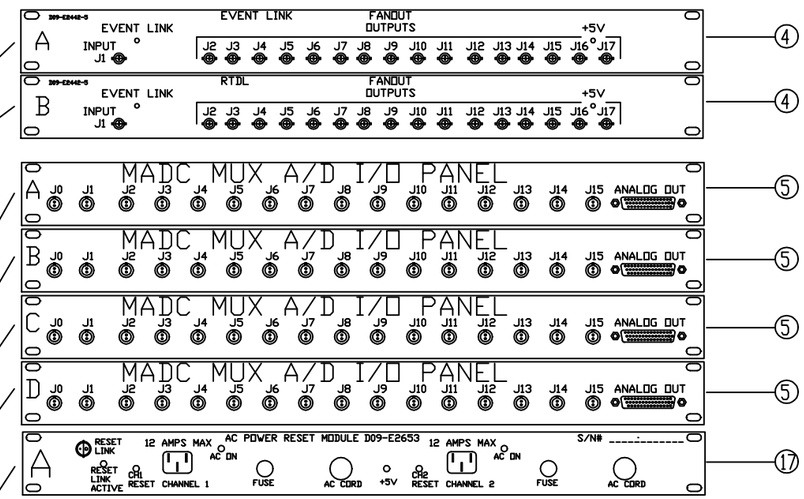
ACS, BNL 8/24/00 1:42 PM 8628.dwg



FRONT VIEW



REAR VIEW



QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BNL NO.
		1	N/A	17	AC POWER RESET MODULE	D09-E2653
		10	N/A	16	WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT S1.5-C)	X
		5	N/A	15	WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6)	X
		5	N/A	14	WIRING DUCT 1.5"W x 4"D (PANDUIT E1.5X4LG6)	X
		2	N/A	13	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		4	N/A	12	4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553)	X
		1	N/A	11	3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553)	X
		1	N/A	10	2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553)	X
		3	N/A	9	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
		2	N/A	8	GROMMET PANEL	94028410
		X	X	7	X	X
		X	X	6	X	X
		4	A,B,C,D	5	BUFFERED MADC A/D I/O PANEL	94028670
		2	A,B	4	FANOUT ASSEMBLY	D09-E2442
		1	N/A	3	VME CHASSIS CFE-3B-PS2 ASSY.	94028351
		X	X	2	X	X
		1	N/A	1	19" RACK, 77"H RACK SPACE	X

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

FINISH: NA

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3		DATE
DRAWN BY	Venegas	8/12/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	10/23/97
SUPVR. APPROVAL		
NEXT ASSEMBLY		

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1009A

RACK R09A10 ASSEMBLY

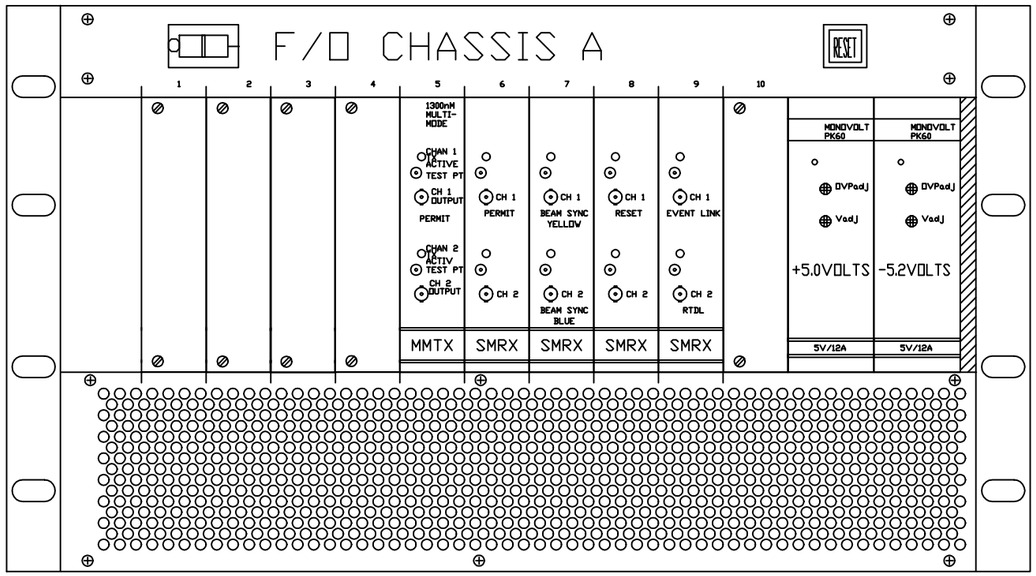
SIZE D | DRAWING NUMBER 94028628 | REV. A

MATERIAL: ——— | SCALE: NA | WEIGHT: – | SHEET 1 OF 1

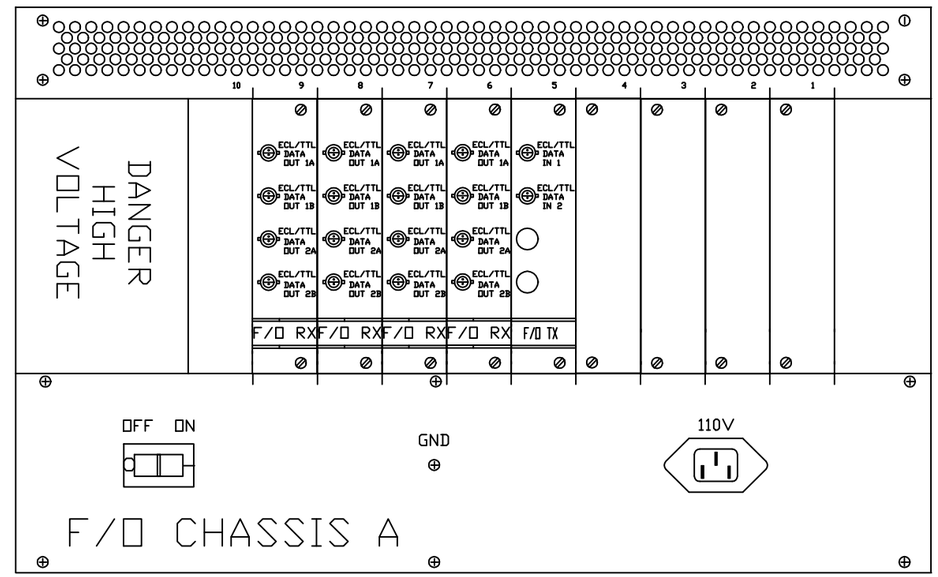
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

Controls 8/12/99 1:18 PM 8629.dwg



FRONT VIEW



REAR VIEW

QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L. DWG NO.,SHL NO.
		1	SLOT 7	7	3U FIBER OPTIC RECEIVER TRANSITION MODULE, ECL	D09-E2541-3
		6	ALL UNUSED	6	3U x 6HP BLANK PANEL (ELECTRO-SPACE ESFE-3032)	X
		3	SLOT6,8,9	5	3U FIBER OPTIC RECEIVER TRANSITION MODULE, TTL	D09-E2542-3
		4	SLOT6,7,8,9	4	3U FIBER OPTIC RECEIVER MODULE, MULTIMODE/SINGLEMODE	94028101
		1	SLOT 5	3	3U FIBER OPTIC TRANSMITTER TRANSITION MODULE, TTL	D09-E2495-3
		1	SLOT 5	2	3U FIBER OPTIC TRANSMITTER MODULE, MULTIMODE	94028168
		1	N/A	1	3U FIBER OPTIC CHASSIS	94028261

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3		DATE
DRAWN BY	Venegas	8/12/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	10/20/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1009A RACK R09A08

F/O CHASSIS A ASSY.

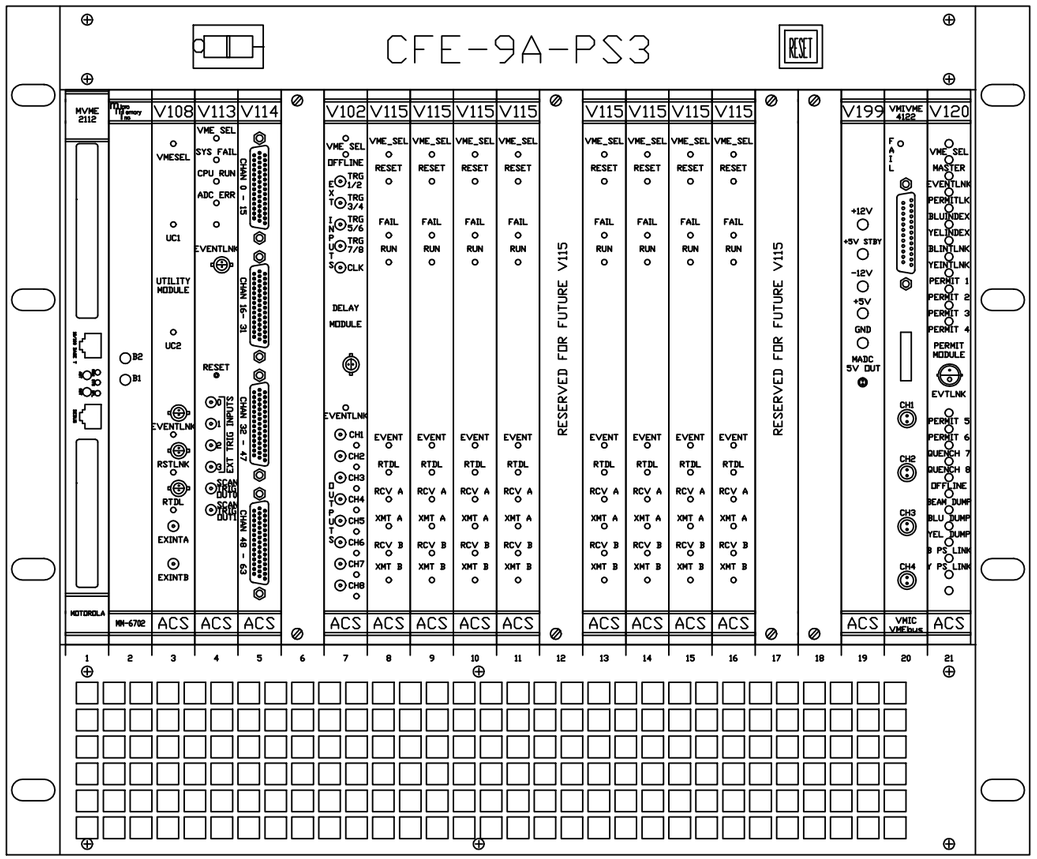
SIZE D | DRAWING NUMBER 94028629 | REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

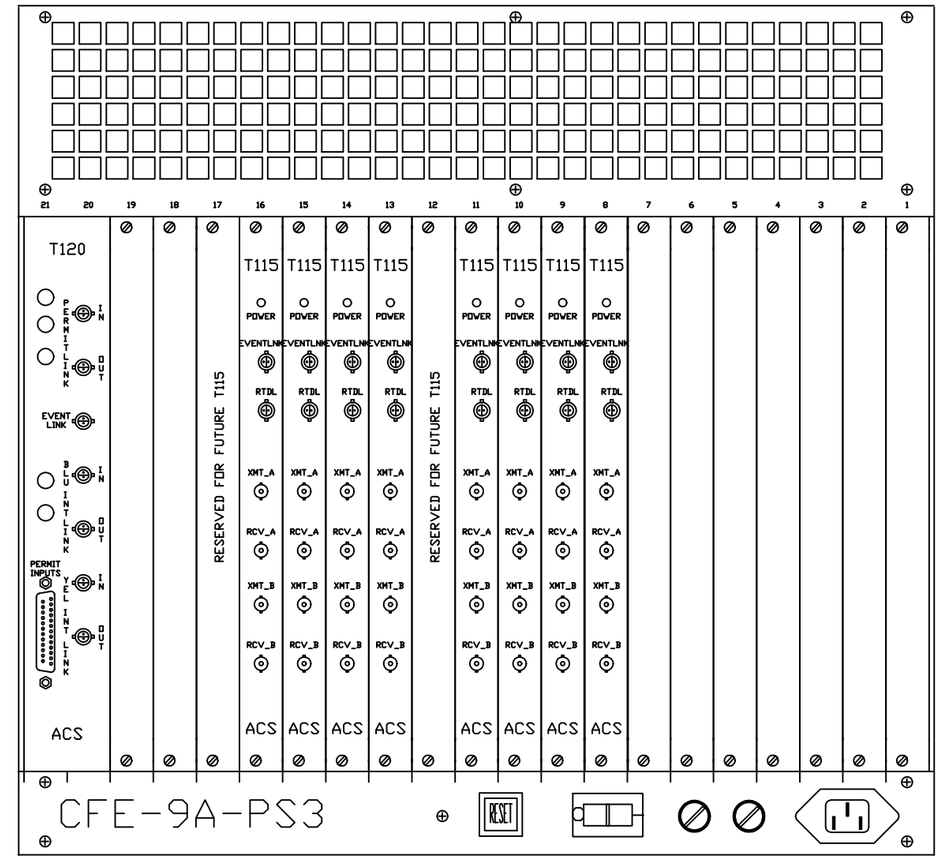
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

CONTROLS- 6/17/03 2:19 PM 8675.dwg



FRONT VIEW



REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,SHL NO.
		1	SLOT 19	17	V199 VOLTAGE MONITOR BD	XXXXXXX
		4	SL 13-16	16	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		4	SL 13-16	15	V115 WAVEFORM GENERATOR MODULE	94028108
		4	SL 8-11	14	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		4	SL 8-11	13	V115 WAVEFORM GENERATOR MODULE	94028108
		1	SLOT 2	12	MM-6702 MEMORY MODULE (MICRO MEMORY)	X
		1	SLOT 20	11	VMIVME 4122	94028793
		16	SEE NOTE 1	10	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		1	SLOT 21	9	T120 PERMIT SYSTEM TRANSITION MODULE	94028199-2
		1	SLOT 21	8	V120 PERMIT SYSTEM MODULE	94028077
		1	SLOT 7	7	V102 DELAY MODULE	94028072
				6		
		1	SLOT5	5	V114 MADC A/D CONVERTER MODULE	94028226
		1	SLOT4	4	V113 MADC CONTROLLER MODULE	94028140
		1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	SLOT 1	2	FRONT END COMPUTER	2112
		1	N/A	1	VME CHASSIS	RHIC-93008000

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

OUTSTANDING ECN

NA FINISH

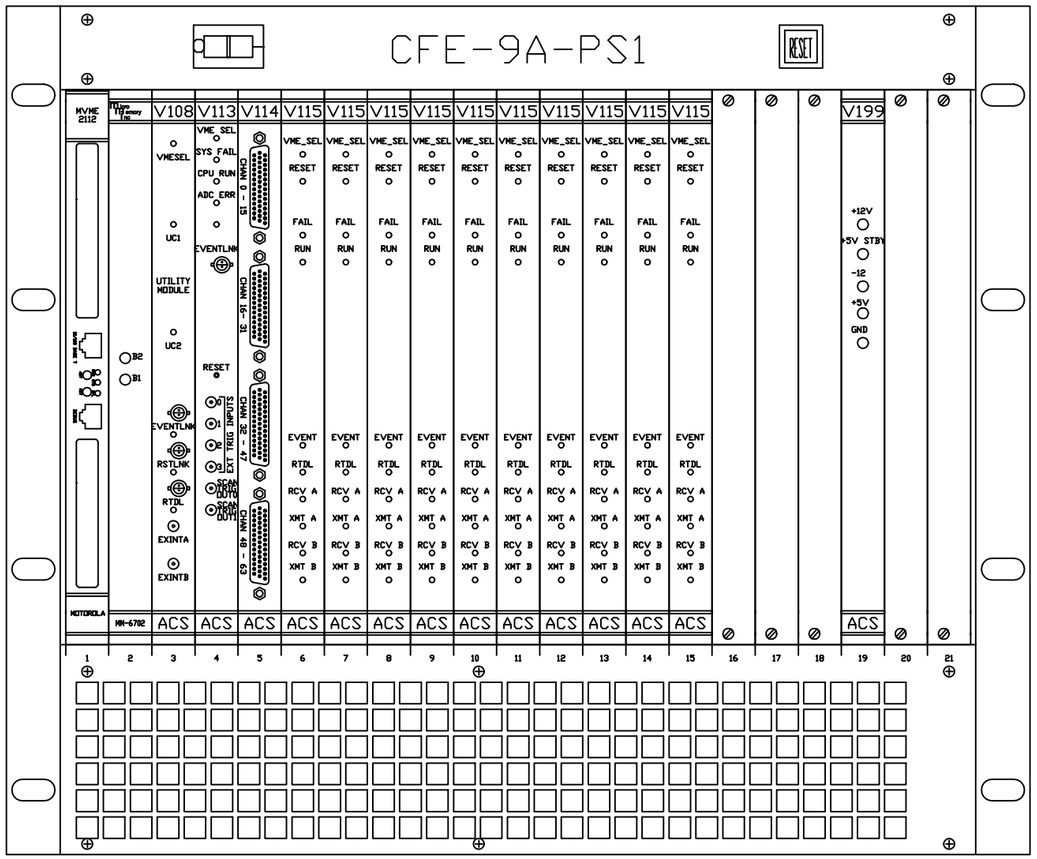
BREAK SHARP EDGES MAX. XX MIN. XX

Q.A. CATEGORY A-3		DATE	BROOKHAVEN NATIONAL LABORATORY
DRAWN BY	Venegas	8/12/99	UPTON, N.Y. 11973
CHECKED BY			RHIC CONTROLS
DESIGN APPROVAL			ALCOVE 1009A RACK R09A09
ENGINEER APPROVAL	R. MICHNOFF	10/28/97	VME CHASSIS CFE-9A-PS3
SUPVR. APPROVAL			
NEXT ASSEMBLY			SIZE D — DRAWING NUMBER 94028675 — REV. A
			MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

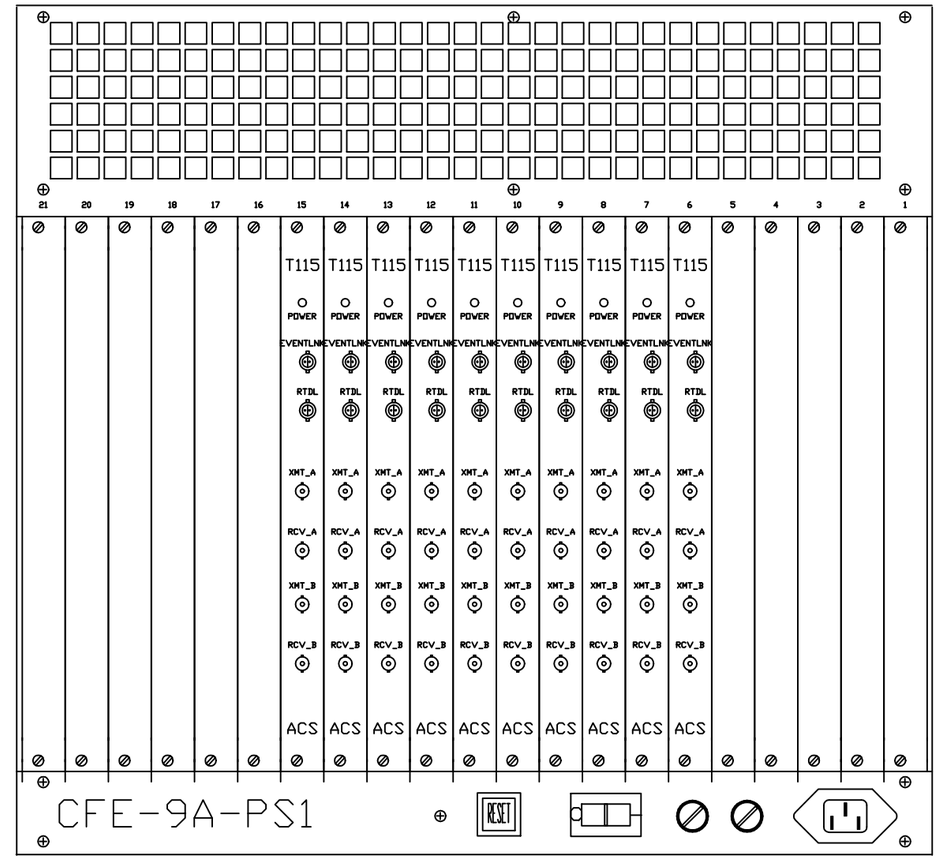
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

CONTROLS- 6/17/03 2:20 PM 8676.dwg



FRONT VIEW



REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,SPNL NO.
		1	SLOT 19	10	V199 VOLTAGE MONITOR BD	XXXXXX
		1	SLOT 2	9	MM-6702 MEMORY MODULE (MICRO MEMORY)	
		17	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		10	SLOT 6-15	7	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		10	SLOT 6-15	6	V115 WAVEFORM GENERATOR MODULE	94028108
		1	SLOT5	5	V114 MADC A/D CONVERTER MODULE	94028226
		1	SLOT4	4	V113 MADC CONTROLLER MODULE	94028140
		1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	SLOT 1	2	FRONT END COMPUTER	2112
		1	N/A	1	VME CHASSIS	RHIC-93008000

QTY REQD

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Venegas	8/12/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	10/28/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1009A RACK R09A09

VME CHASSIS CFE-9A-PS1

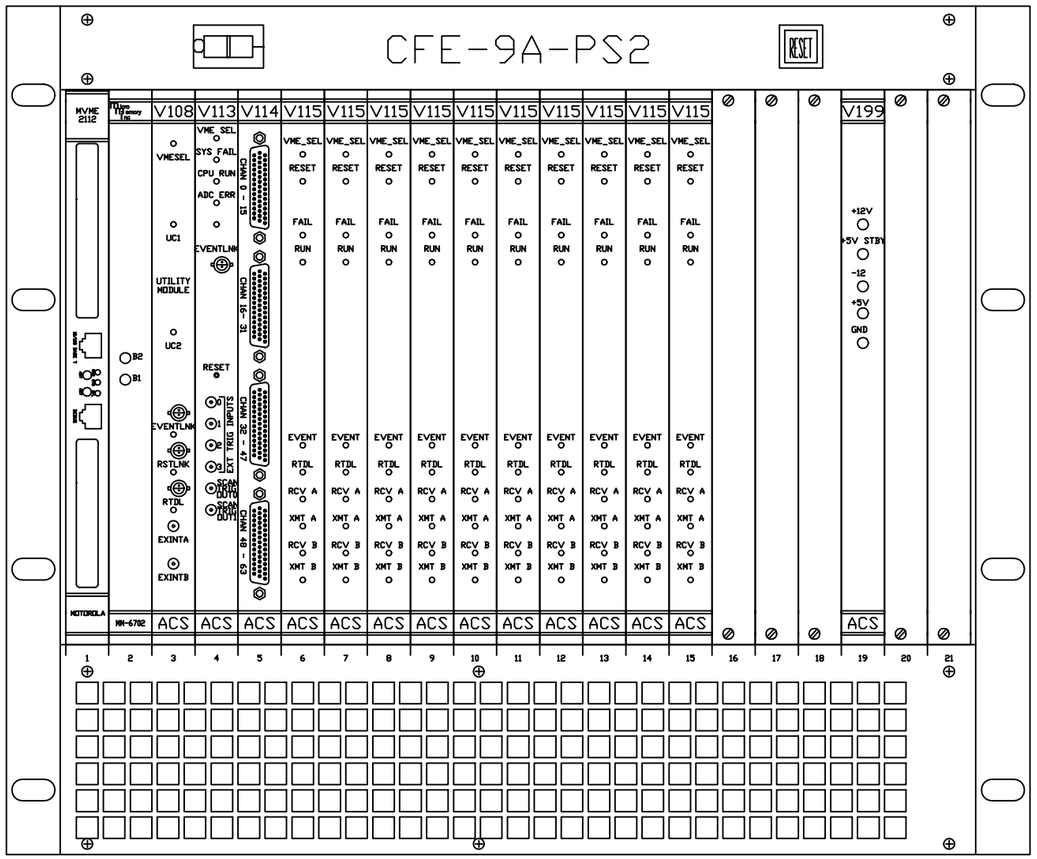
SIZE D | DRAWING NUMBER 94028676 | REV. A

MATERIAL: ——— | SCALE: FULL | WEIGHT: – | SHEET 1 OF 1

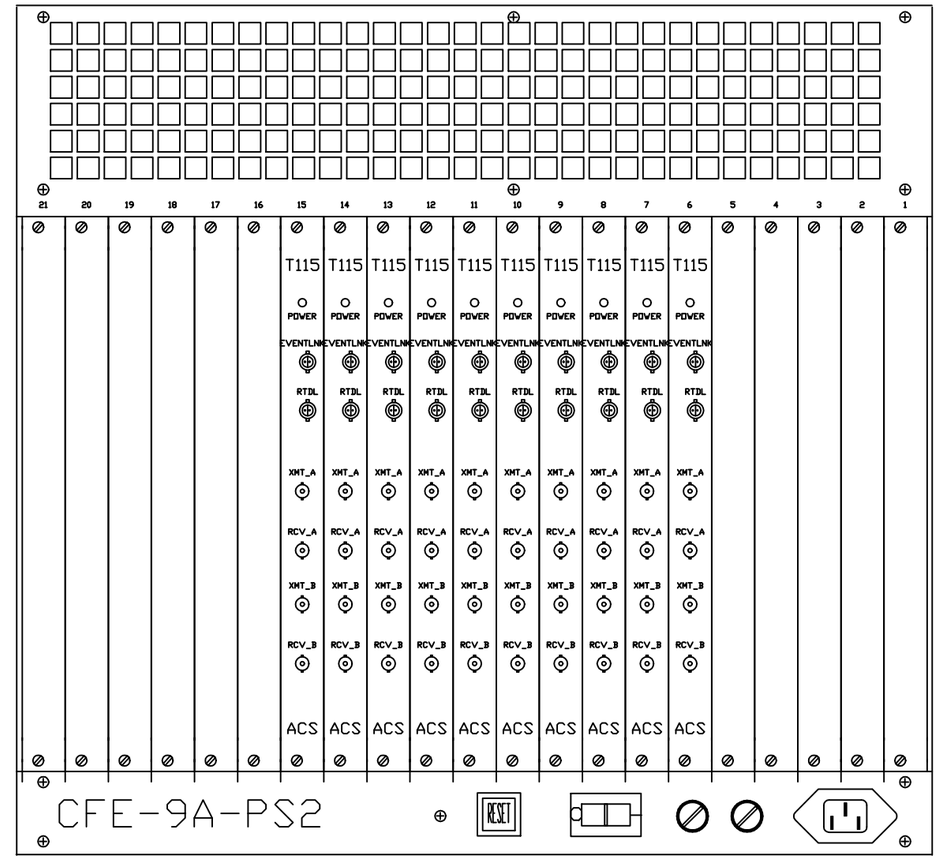
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

CONTROLS- 6/17/03 2:21 PM 8677.dwg



FRONT VIEW



REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,SPNL NO.
		1	SLOT 19	10	V199 VOLTAGE MONITOR BD	XXXXXX
		1	SLOT 2	9	MM-6702 MEMORY MODULE (MICRO MEMORY)	
		17	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		10	SLOT 6-15	7	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		10	SLOT 6-15	6	V115 WAVEFORM GENERATOR MODULE	94028108
		1	SLOT5	5	V114 MADC A/D CONVERTER MODULE	94028226
		1	SLOT4	4	V113 MADC CONTROLLER MODULE	94028140
		1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	SLOT 1	2	FRONT END COMPUTER	2112
		1	N/A	1	VME CHASSIS	RHIC-93008000

QTY REQD

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Venegas	8/12/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	10/28/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

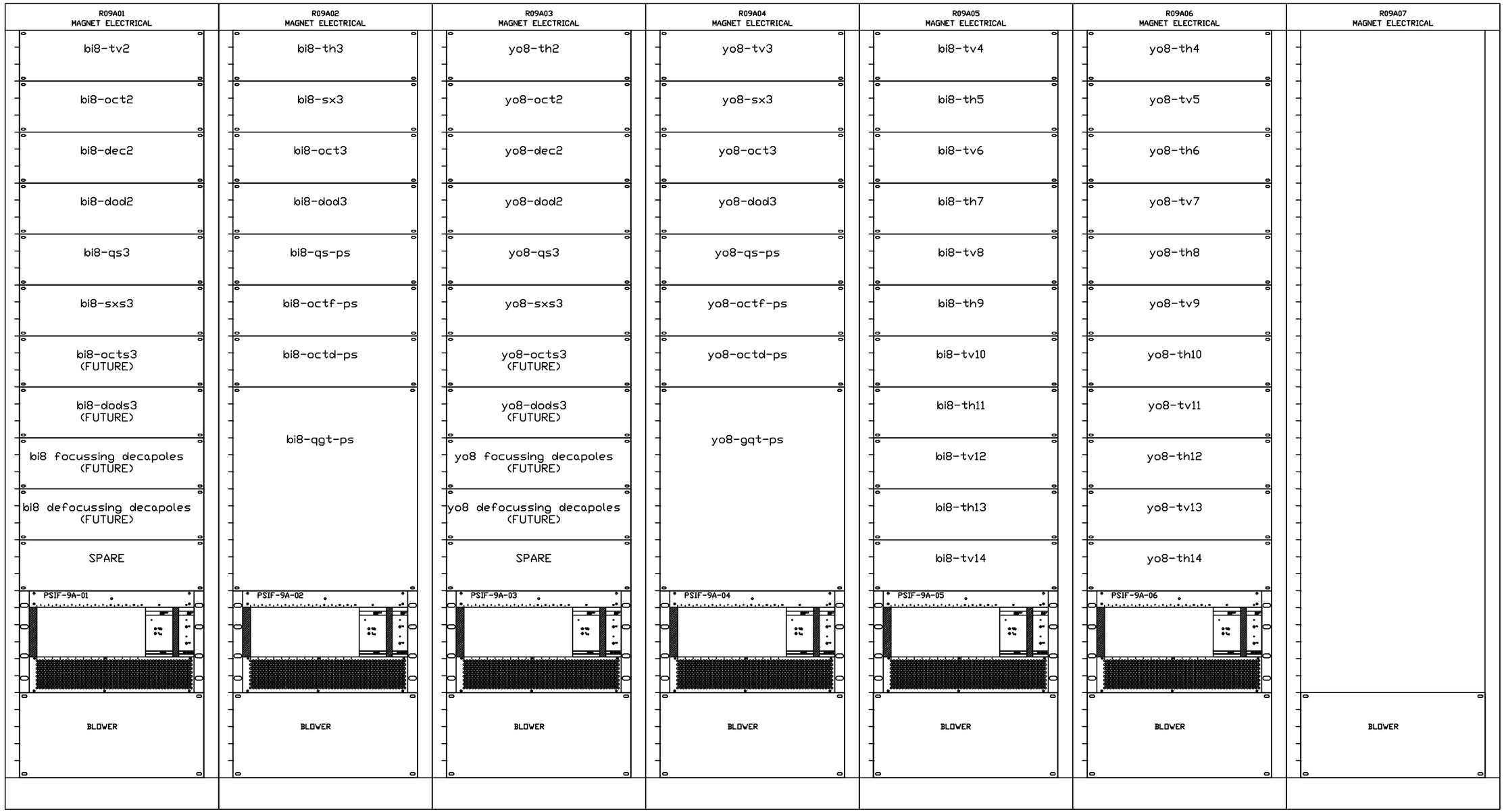
ALCOVE 1009A RACK R09A10

VME CHASSIS CFE-9A-PS2

SIZE D | DRAWING NUMBER 94028677 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD



FRONT VIEW

QTY	REF DESIG	ITEM	DESCRIPTION	DWG NO.,BNL NO.
7		10	BLOWER (PREMIER METAL PMB-8-525)	
1		9	RACK R09A01 - R09A07 WIRING DIAGRAM	xxxx
48		8	50 AMP CORRECTOR POWER SUPPLIES	xxxx
2		7	GAMMA-T CORRECTOR POWER SUPPLIES	xxxx
1		6	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-9A-06 ASSY.	94028684
1		5	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-9A-05 ASSY.	94028683
1		4	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-9A-04 ASSY.	94028682
1		3	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-9A-03 ASSY.	94028681
1		2	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-9A-02 ASSY.	94028680
1		1	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-9A-01 ASSY.	94028679

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L. DWG NO.,BNL NO.
		X	X	X	X	X

QTY REQD

OUTSTANDING ECN

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

FINISH: NA

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3	DATE	
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1009A

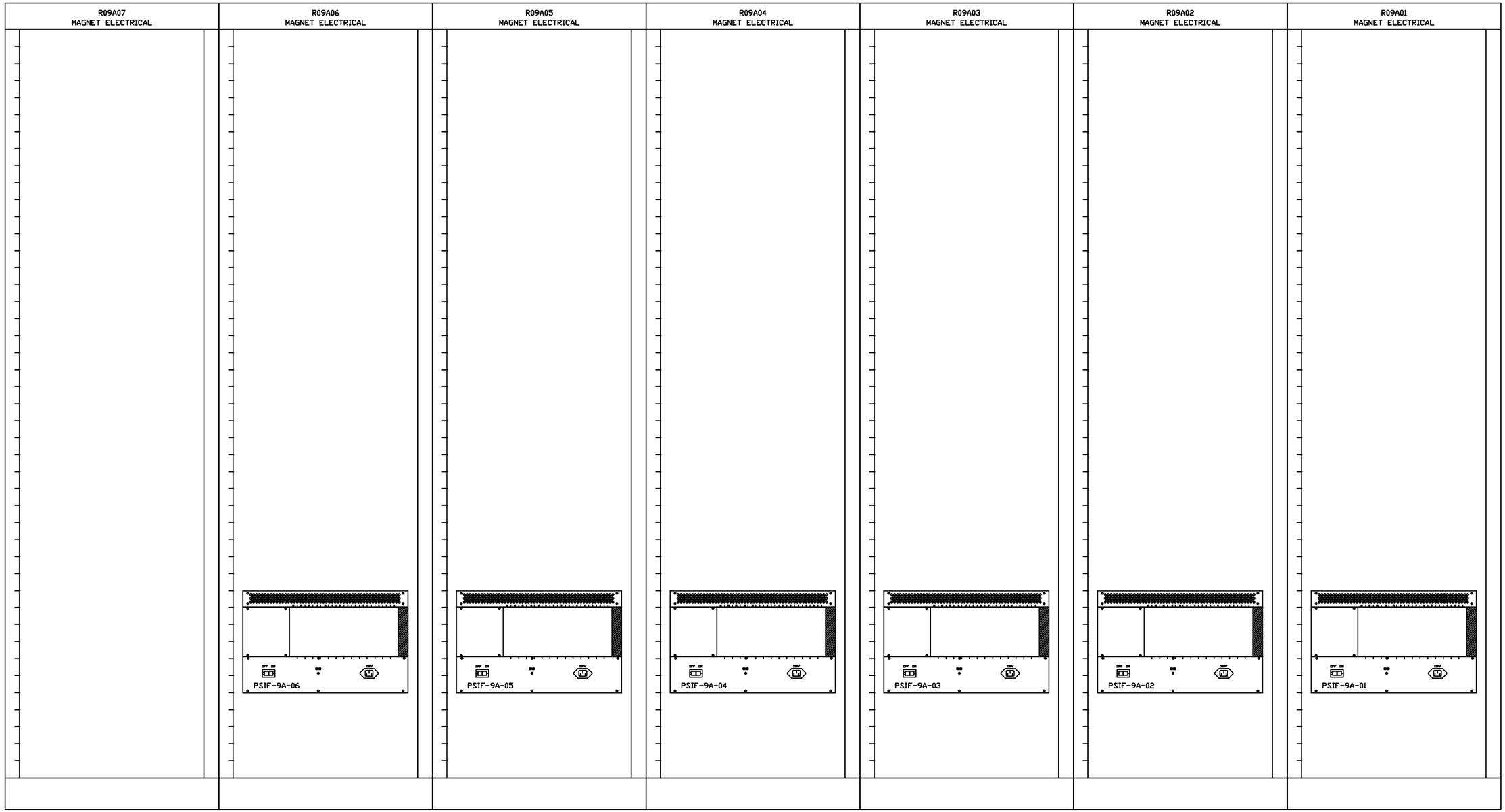
RACKS R09A01-R09A07 ASSEMBLY

SIZE D | DRAWING NUMBER 94028678 | REV. A

MATERIAL: ——— | SCALE: FULL | WEIGHT: – | SHEET 1 OF 2

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



REAR VIEW

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L. DWG NO.,SPEC. NO.
QTY REQD						

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3		DATE
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		
NEXT ASSEMBLY		

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

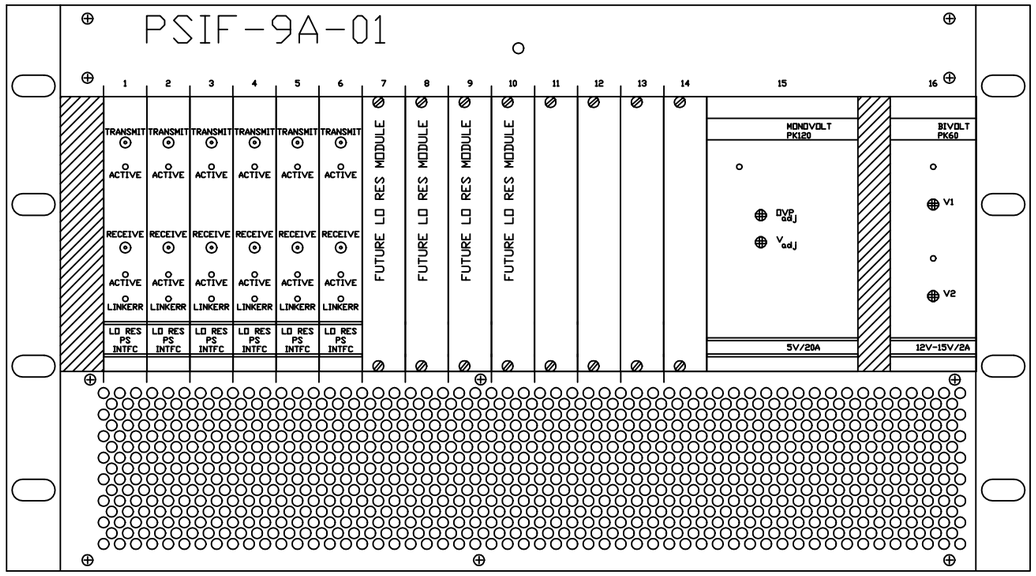
ALCOVE 1009A

RACKS R09A01-R09A07 ASSEMBLY

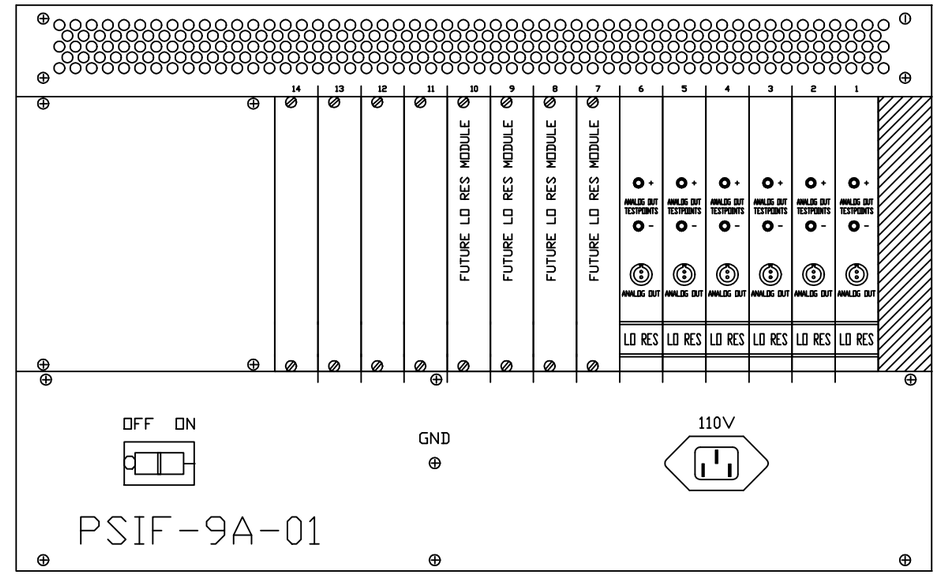
SIZE D | DRAWING NUMBER 94028678 | REV. A

MATERIAL: ——— | SCALE: FULL | WEIGHT: – | SHEET 2 OF 2

*AUTOCAD



FRONT VIEW



REAR VIEW

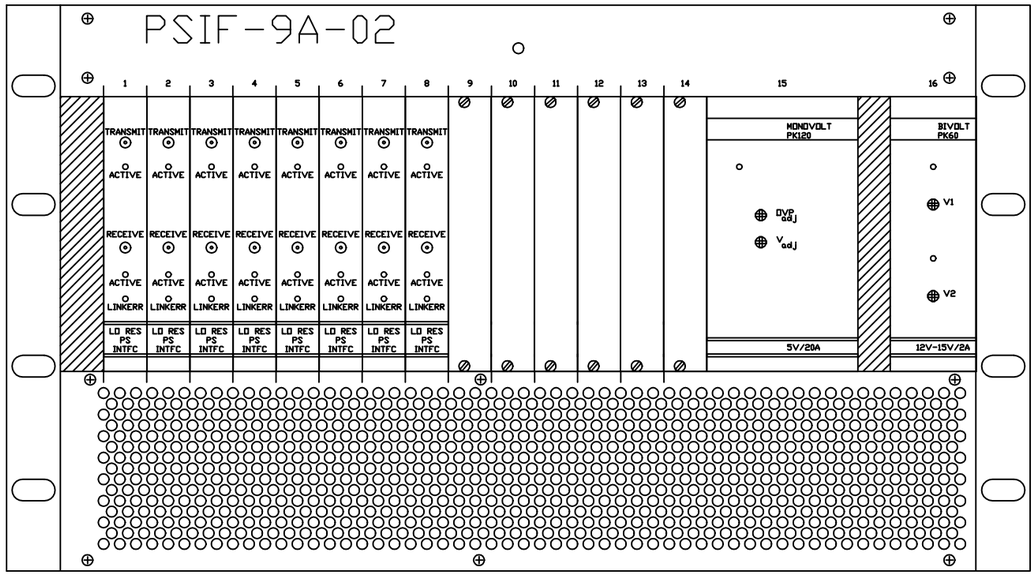
NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L. DWG NO.,DIM. NO.
		16	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		6	SLOT 1-6	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
		6	SLOT 1-6	2	LO RES PS INTERFACE MODULE	94028191
		1	N/A	1	3U LO RES POWER SUPPLY INTERFACE CHASSIS	94028262

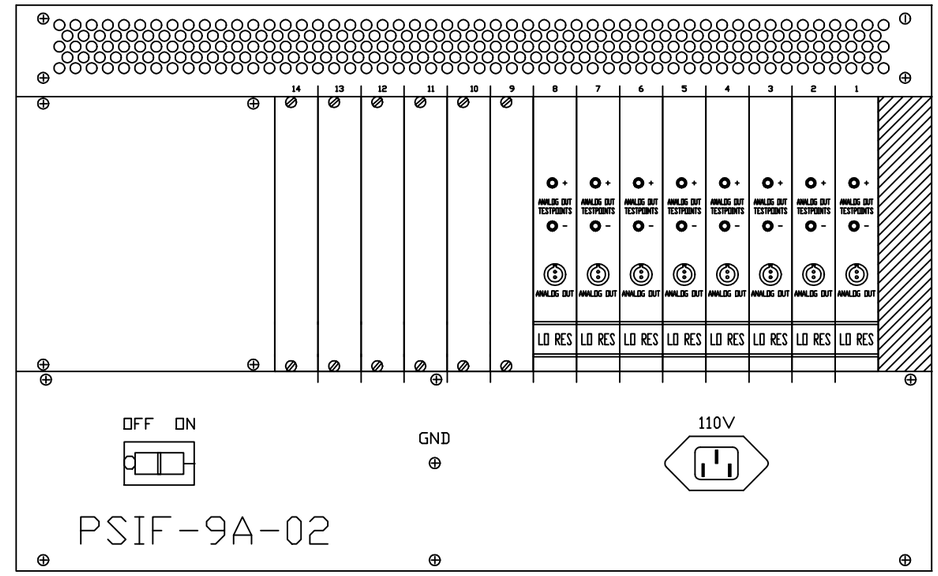
QTY REQD

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	Q.A. CATEGORY A-3	DATE	BROOKHAVEN NATIONAL LABORATORY ASSOCIATED UNIVERSITIES, INC. UPTON, N.Y. 11973
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY Ed Koropsak	3/9/98	RHIC CONTROLS, ALCOVE 1009A
DECIMAL TOLERANCES X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	CHECKED BY / DESIGN APPROVAL		RACK R09A01, LOW RES PWR SPLY INTERFACE
	ENGINEER APPROVAL R. MICHNOFF	3/9/98	CHASSIS PSIF-9A-01 ASSY
	SUPVR. APPROVAL		SIZE D — 94028679 — REV. A
NA FINISH — BREAK SHARP EDGES MAX. XX MIN. XX	NEXT ASSEMBLY		DRAWING NUMBER
OUTSTANDING ECN			MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD



FRONT VIEW



REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

-3	-2	-1	QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,DIM. NO.
		12	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)		
		8	SLOT 1-8	3	LO RES PS INTERFACE TRANSITION MODULE		94028198
		8	SLOT 1-8	2	LO RES PS INTERFACE MODULE		94028191
		1	N/A	1	3U LO RES POWER SUPPLY INTERFACE CHASSIS		94028262

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°
NA FINISH
BREAK SHARP EDGES MAX. XX MIN. XX
OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

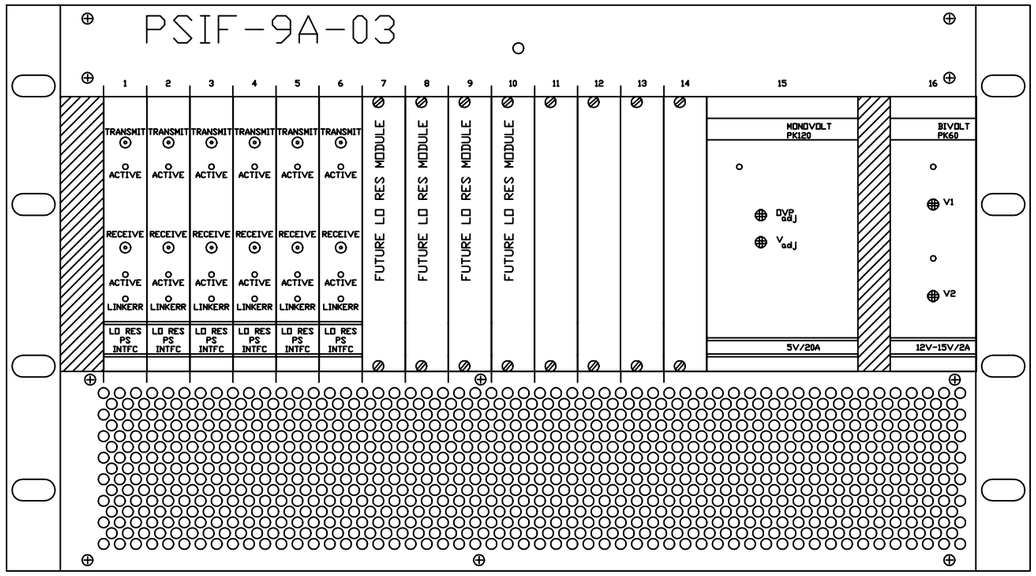
BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1009A
RACK R09A02, LOW RES PWR SPLY INTERFACE
CHASSIS PSIF-9A-02 ASSY

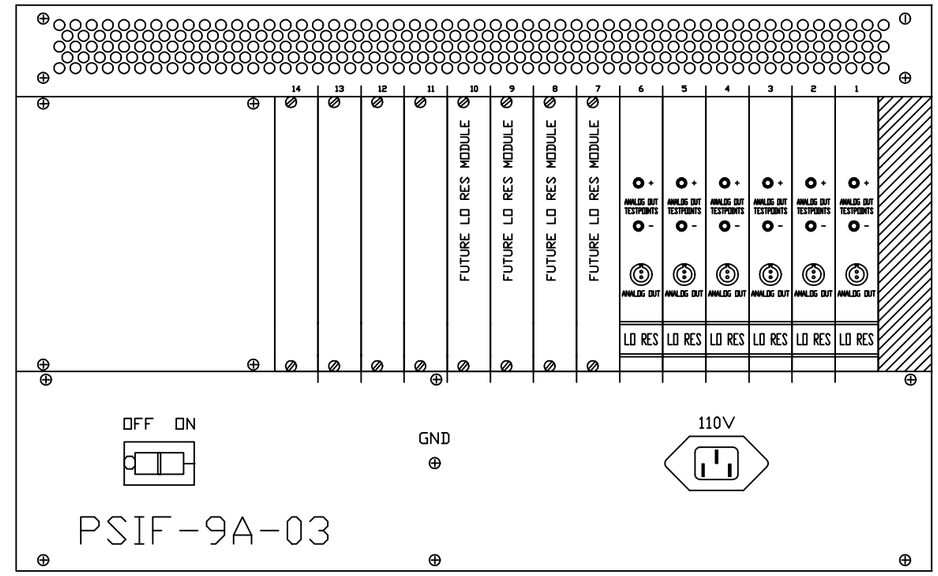
SIZE D | DRAWING NUMBER 94028680 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD



FRONT VIEW



REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

-3	-2	-1	QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,DWG NO.
			16	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
			6	SLOT 1-6	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
			6	SLOT 1-6	2	LO RES PS INTERFACE MODULE	94028191
			1	N/A	1	3U LO RES POWER SUPPLY INTERFACE CHASSIS	94028262

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°
NA FINISH
BREAK SHARP EDGES
MAX. XX MIN. XX
OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

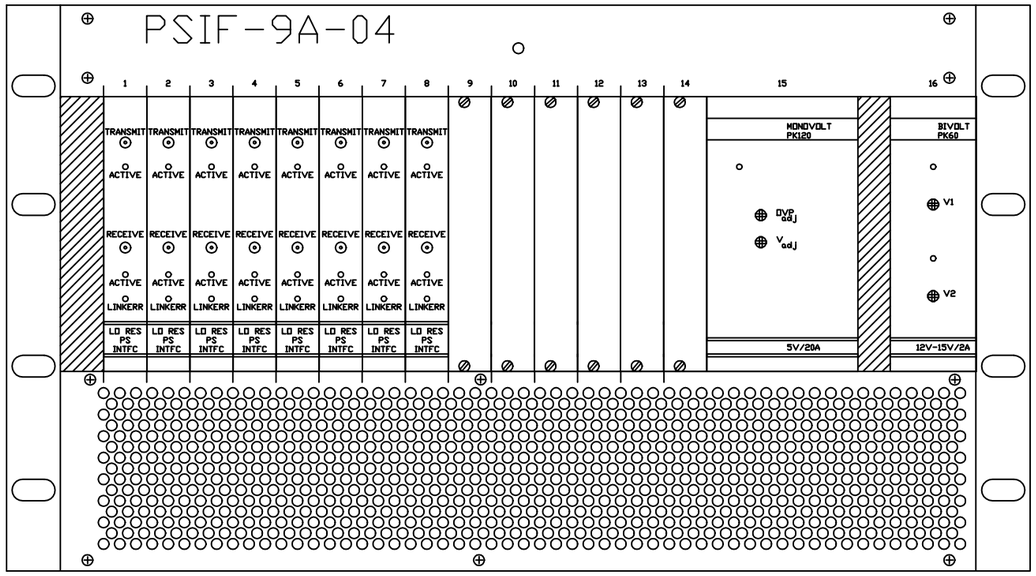
BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1009A
RACK R09A03, LOW RES PWR SPLY INTERFACE
CHASSIS PSIF-9A-03 ASSY

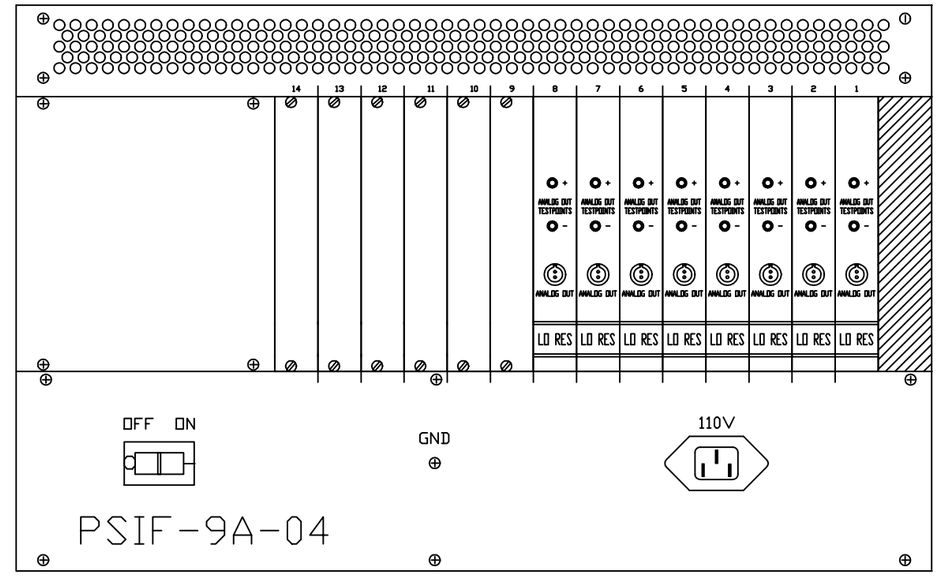
SIZE D | DRAWING NUMBER 94028681 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

1 *AUTOCAD



FRONT VIEW



REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

-3	-2	-1	QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,DWG NO.
			12	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
			8	SLOT 1-8	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
			8	SLOT 1-8	2	LO RES PS INTERFACE MODULE	94028191
			1	N/A	1	3U LO RES POWER SUPPLY INTERFACE CHASSIS	94028262

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°
NA FINISH
BREAK SHARP EDGES
MAX. XX MIN. XX
OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1009A
RACK R09A04, LOW RES PWR SPLY INTERFACE
CHASSIS PSIF-9A-04 ASSY

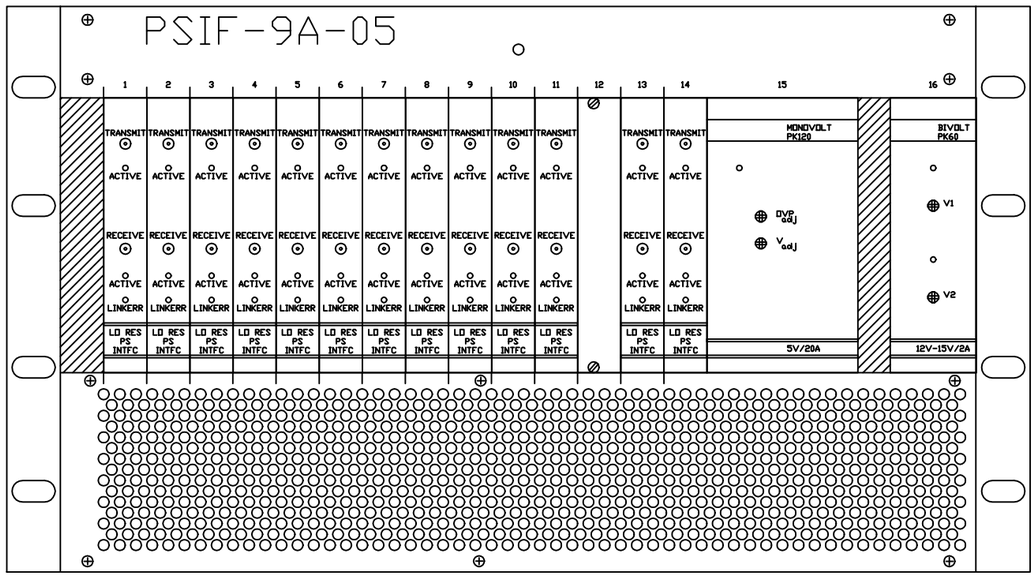
SIZE D | DRAWING NUMBER 94028682 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

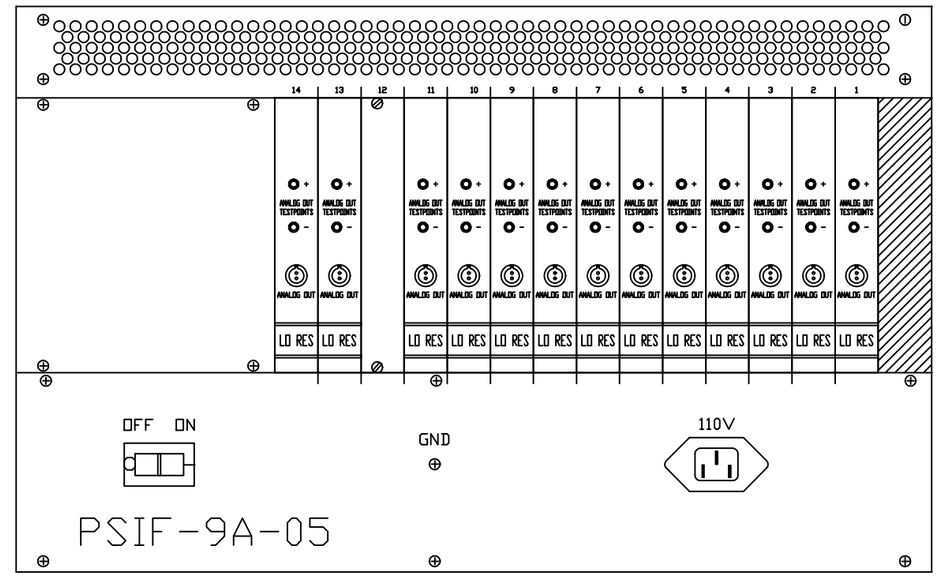
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

ACS, BNL 8/24/00 1:58 PM 8683.dwg



FRONT VIEW



REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

-3	-2	-1	QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BNL NO.
		2		SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		13		SL1-11,13,14	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
		13		SL1-11,13,14	2	LO RES PS INTERFACE MODULE	94028191
		1		N/A	1	3U LO RES POWER SUPPLY INTERFACE CHASSIS	94028262

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3		DATE
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		
NEXT ASSEMBLY		

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1009A

RACK R09A05, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-9A-05 ASSY

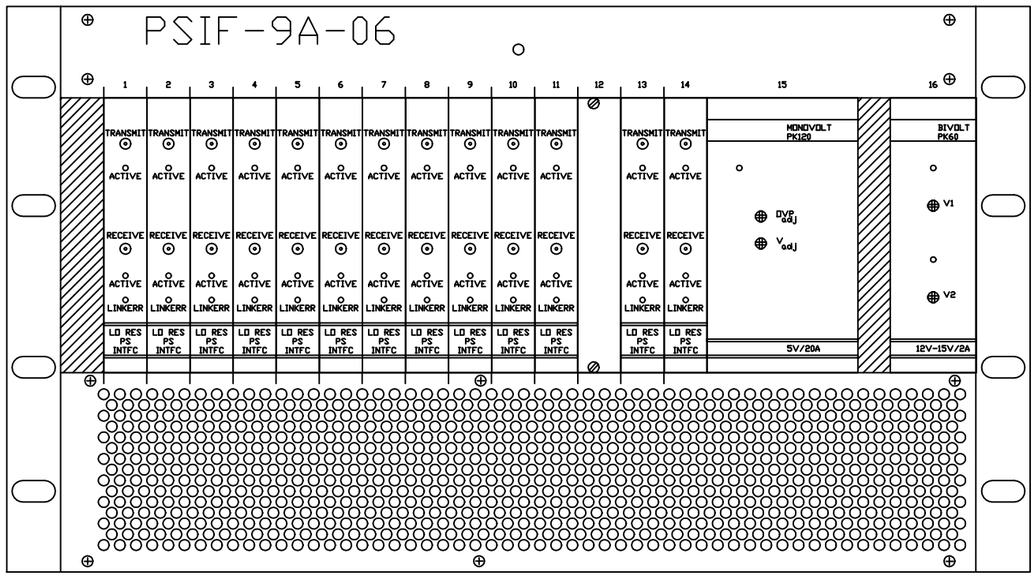
SIZE D — DRAWING NUMBER 94028683 — REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

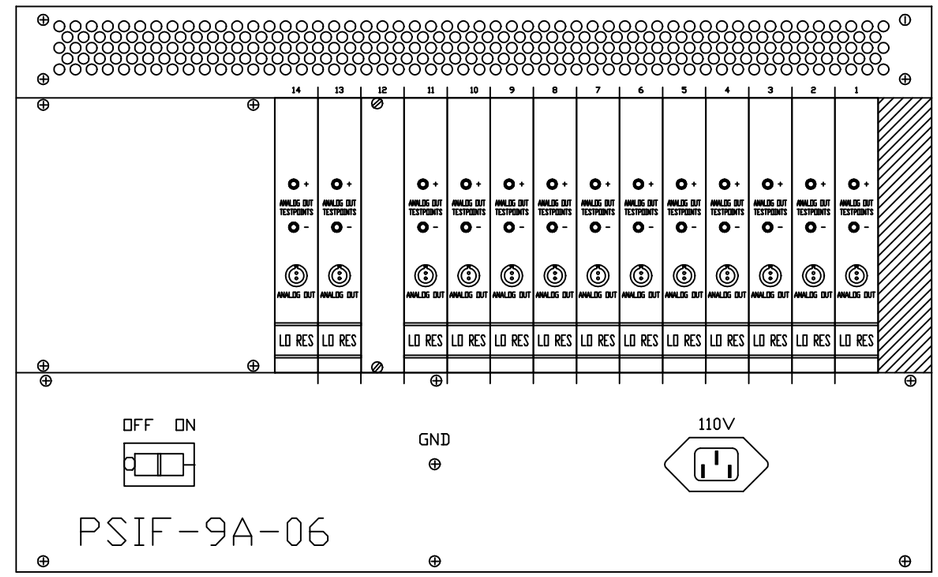
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

ACS, BNL 8/24/00 2:01 PM 8684.dwg



FRONT VIEW



REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L. DWG NO.,BNL NO.
		2	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		13	SL1-11,13,14	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
		13	SL1-11,13,14	2	LO RES PS INTERFACE MODULE	94028191
		1	N/A	1	3U LO RES POWER SUPPLY INTERFACE CHASSIS	94028262

QTY REQD

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Ed Koropsak	3/9/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	3/9/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1009A

RACK R09A06, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-9A-06 ASSY

SIZE D — DRAWING NUMBER 94028684 — REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD