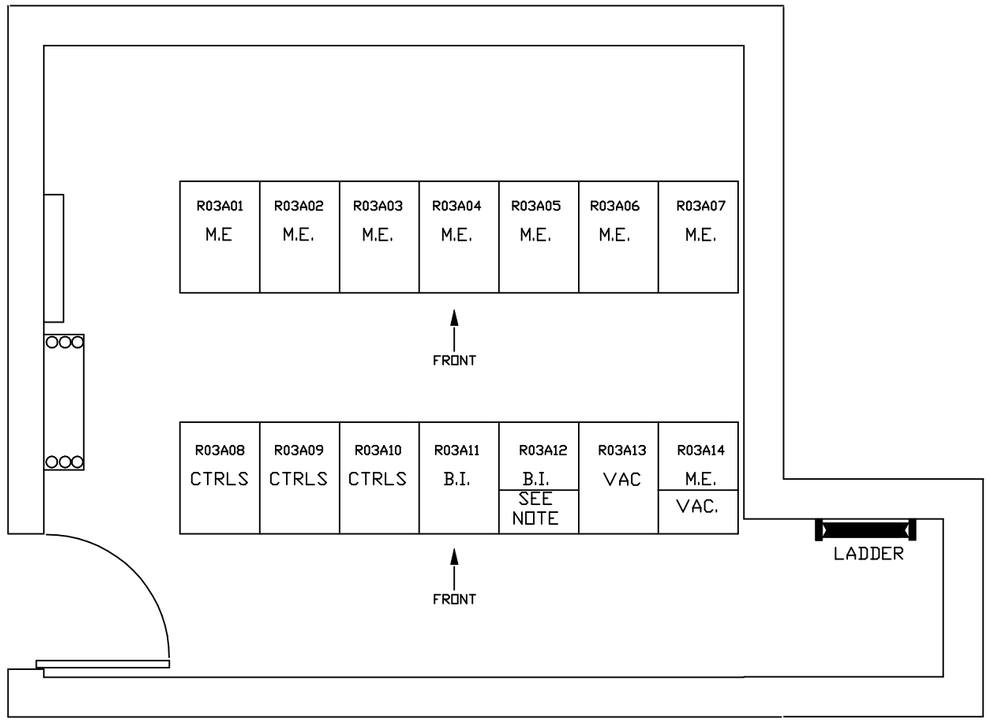
REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



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.

QTY REQD -3	QTY REQD -7	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
		1	R03A10	5	RACK R03A10 ASSEMBLY	94028331
		1	R03A09	4	RACK R03A09 ASSEMBLY	94028330
		1	R03A08	3	RACK R03A08 ASSEMBLY	94028329
		1		2	RACKS R03A01 - R03A07 ASSEMBLY	94028337
		1		1	RHIC CONTROLS BLDG. 1003A WIRING DIAGRAM	94028336

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

DRAWN BY	Phil Pape	7/25/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	7/28/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

RHIC CONTROLS

ALCOVE 1003A FLOOR PLAN

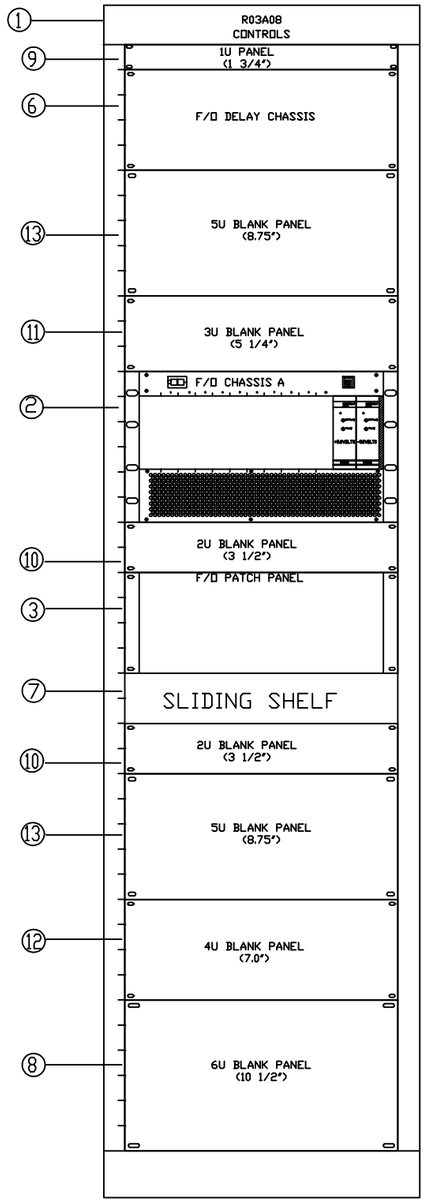
SIZE D | 94028328 | REV. A
DRAWING NUMBER

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

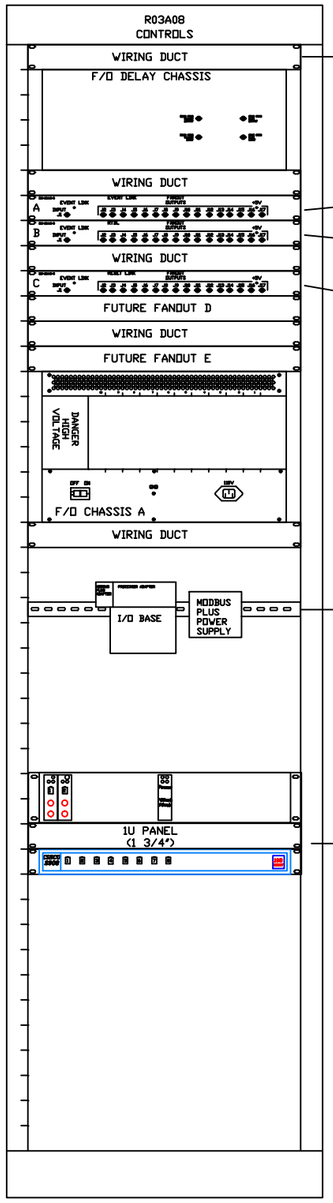
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

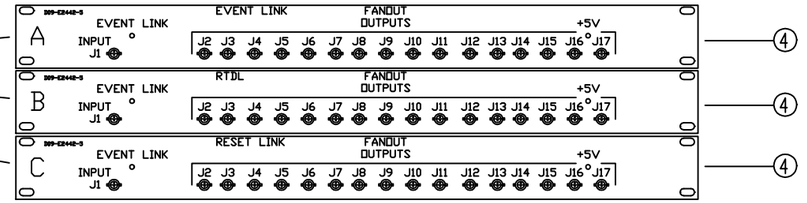
Controls 8/2/99 10:23 AM 8329.dwg

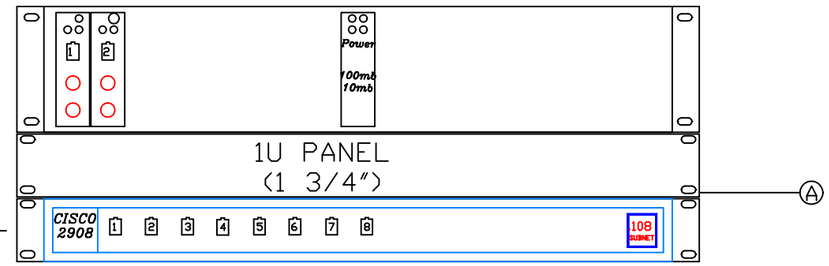


FRONT VIEW



REAR VIEW





QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
1	N/A	17	MODICON HARDWARE	X
10	N/A	16	WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT SNS1.5-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	94028364
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°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY	A-3	DATE
DRAWN BY	Venegas	8/2/99
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 1003A

RACK R03A08 ASSEMBLY

SIZE D | 94028329 | REV. A

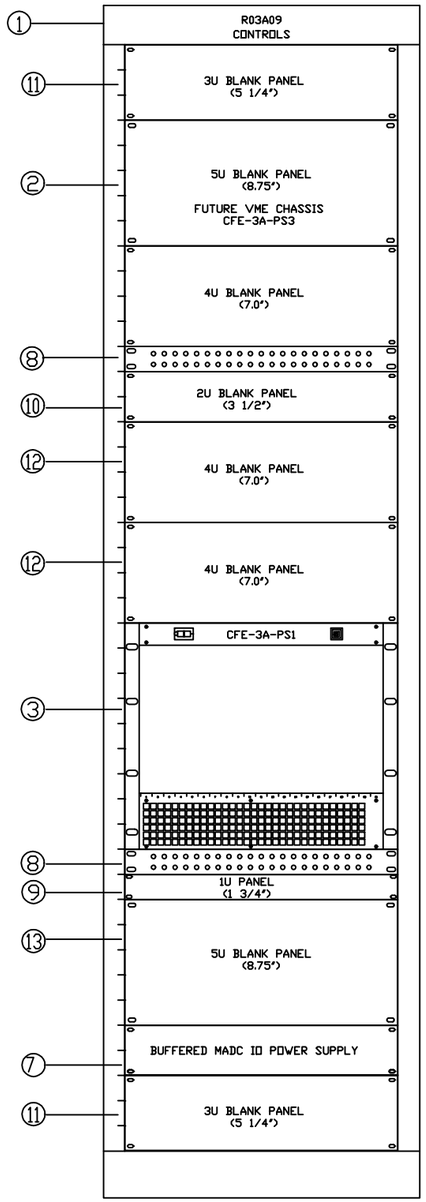
DRAWING NUMBER

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

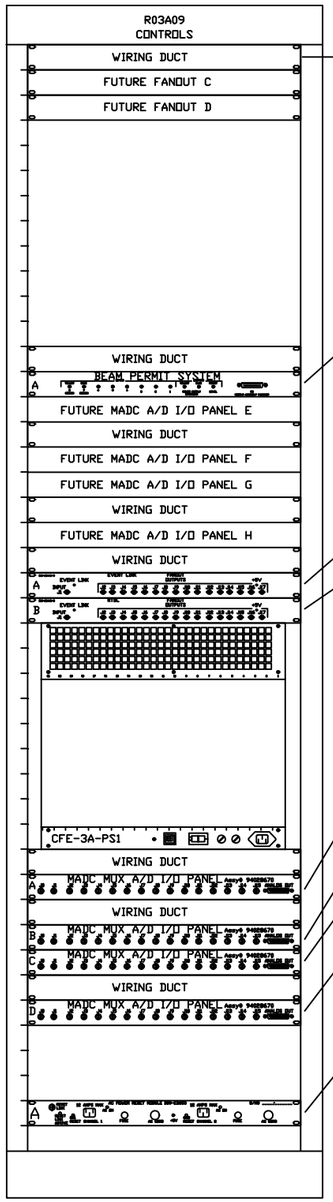
8 7 6 5 4 3 2 1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

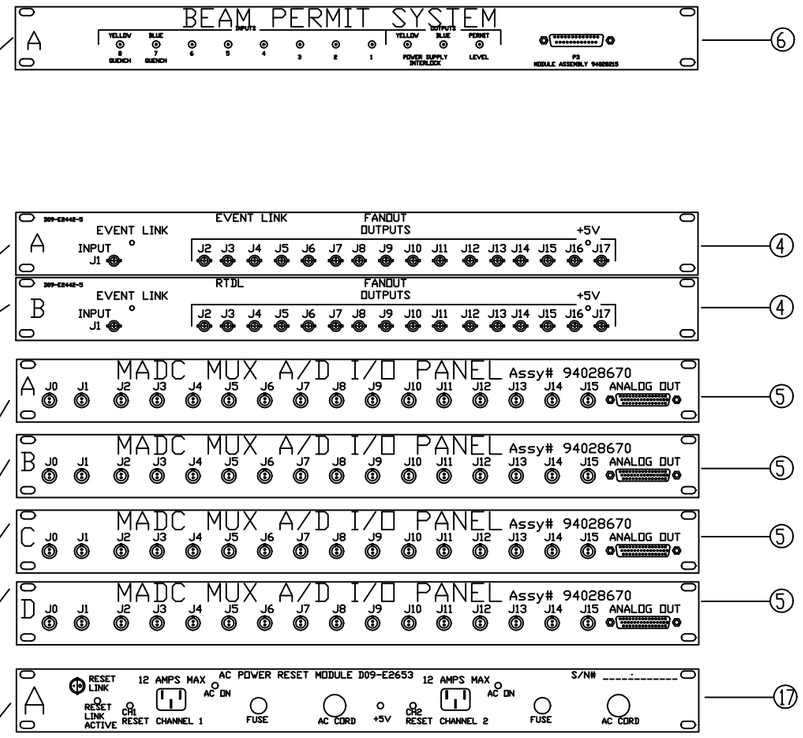
C-A, BNL 7/6/01 4:11 PM 8330.dwg



FRONT VIEW



REAR VIEW



QTY REQD -3	-2	-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 SNS1.5-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
		2	N/A	13	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		3	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
		2	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
		4	A-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-3A-PS1 ASSY.	94028334
		0	N/A	2	VME CHASSIS CFE-3A-PS3 ASSY.(FUTURE)	94028333
		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	8/2/99	
CHECKED BY			
DESIGN APPROVAL			
ENGINEER APPROVAL	R. MICHNOFF	10/20/97	
SUPVR. APPROVAL			
NEXT ASSEMBLY			

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
ALCOVE 1003A
RACK R03A09 ASSEMBLY

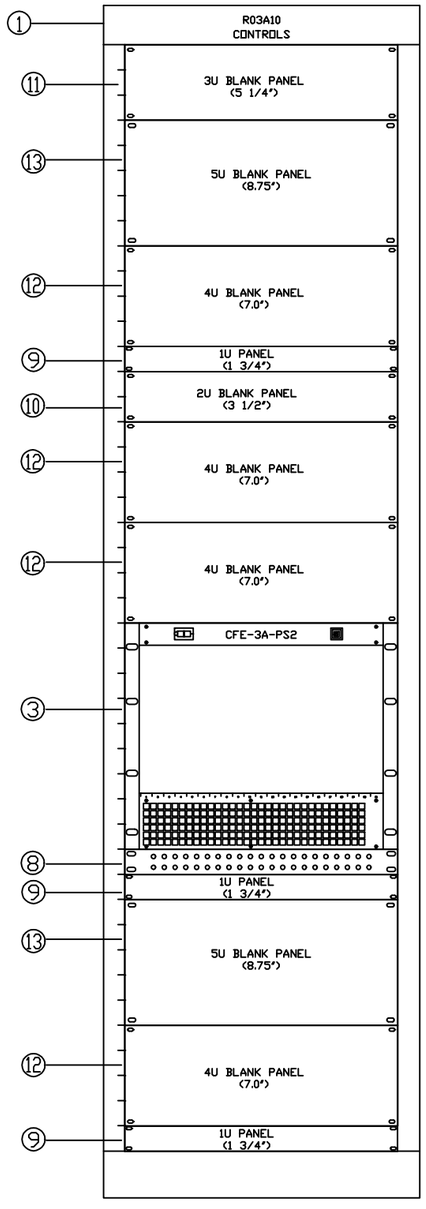
SIZE D | 94028330 | REV. A
DRAWING NUMBER

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

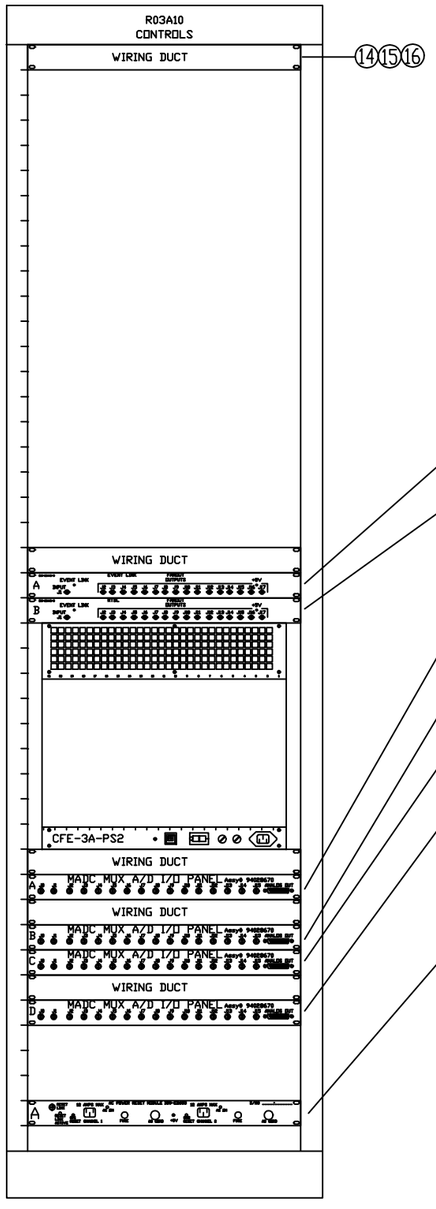
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

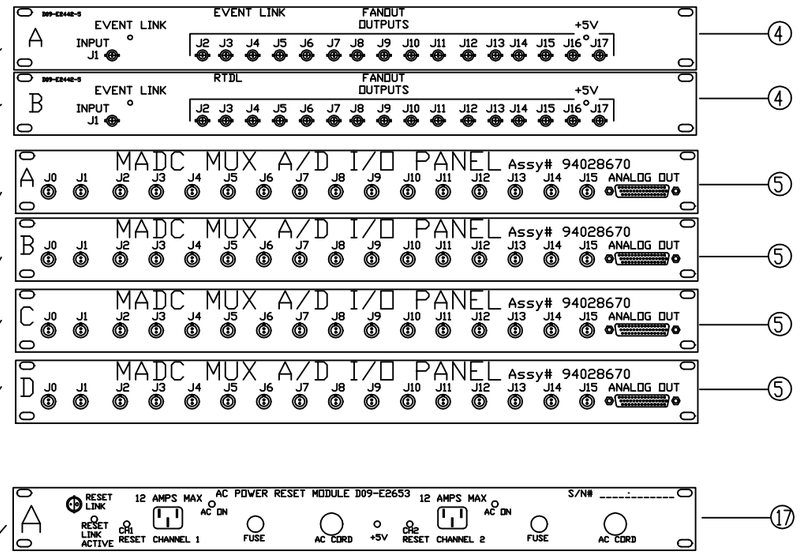
C-A, BNL 7/6/01 4:17 PM 8331.dwg



FRONT VIEW



REAR VIEW



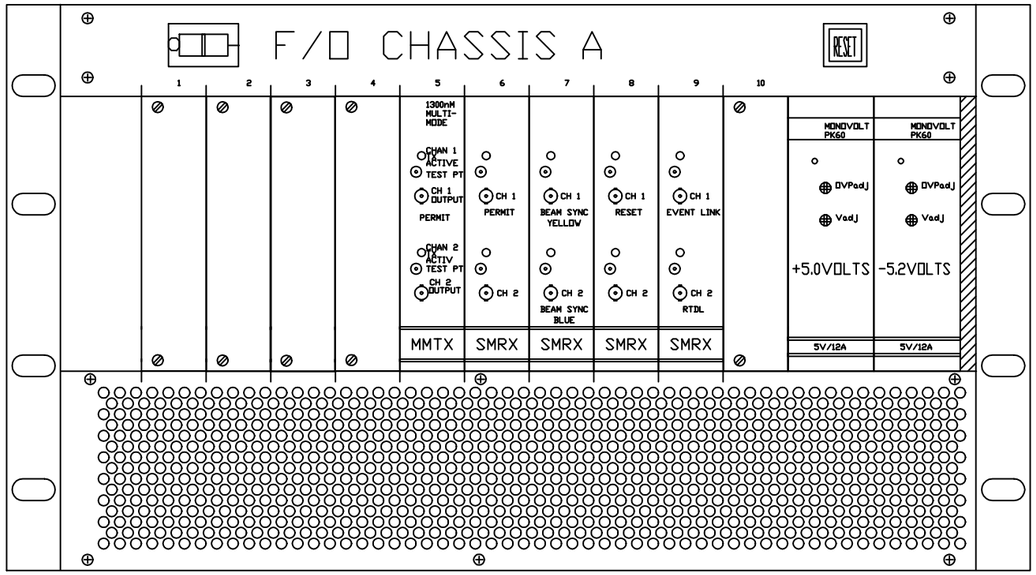
QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
		1	N/A	17	AC POWER RESET MODULE	D09-E2653
		10	N/A	16	WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT SNS1.5-C)	X
		5	N/A	15	WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6)	X
		5	N/A	14	WIRING DUCT 1.5"W x 4"D (PANDUIT E1.5X4LG6)	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-3A-PS2 ASSY.	94028335
		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	Q.A. CATEGORY A-3	DATE	BROOKHAVEN NATIONAL LABORATORY
	DRAWN BY Venegas	8/2/99	UPTON, N.Y. 11973
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CHECKED BY		RHIC CONTROLS
DECIMAL TOLERANCES .X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	DESIGN APPROVAL		ALCOVE 1003A
	ENGINEER APPROVAL R. MICHNOFF	7/25/97	RACK R03A10 ASSEMBLY
	SUPVR. APPROVAL		SIZE D — 94028331 — REV. A
NA FINISH — BREAK SHARP EDGES MAX. XX MIN. XX	NEXT ASSEMBLY		DRAWING NUMBER
OUTSTANDING ECN	MATERIAL: ———	SCALE: NA	WEIGHT: – SHEET 1 OF 1

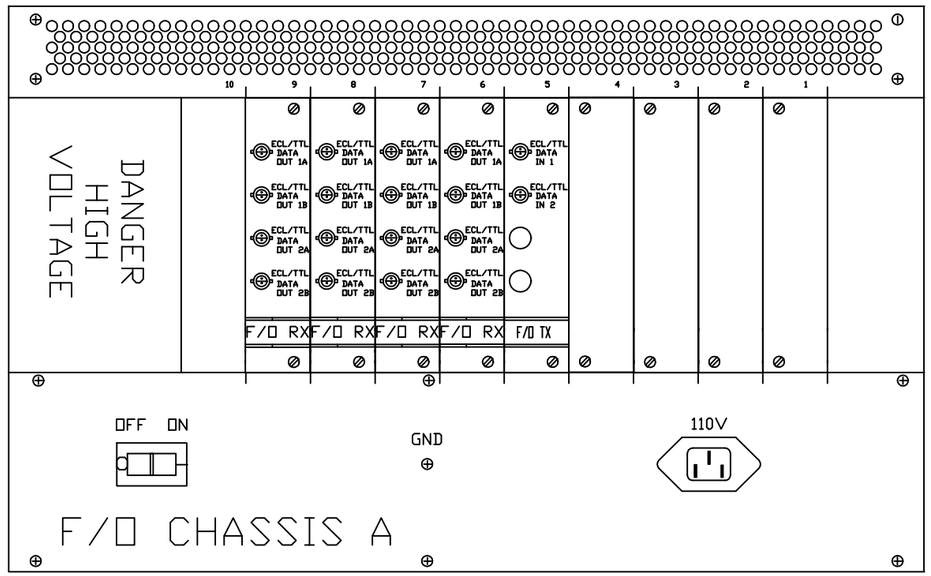
1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

Controls 8/2/99 11:18 AM 8332.dwg



FRONT VIEW



REAR VIEW

QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL 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'

FINISH: NA

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

DRAWN BY	Venegas	8/2/99
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 1003A RACK R03A08

F/O CHASSIS A ASSY.

SIZE D

94028332

REV. A

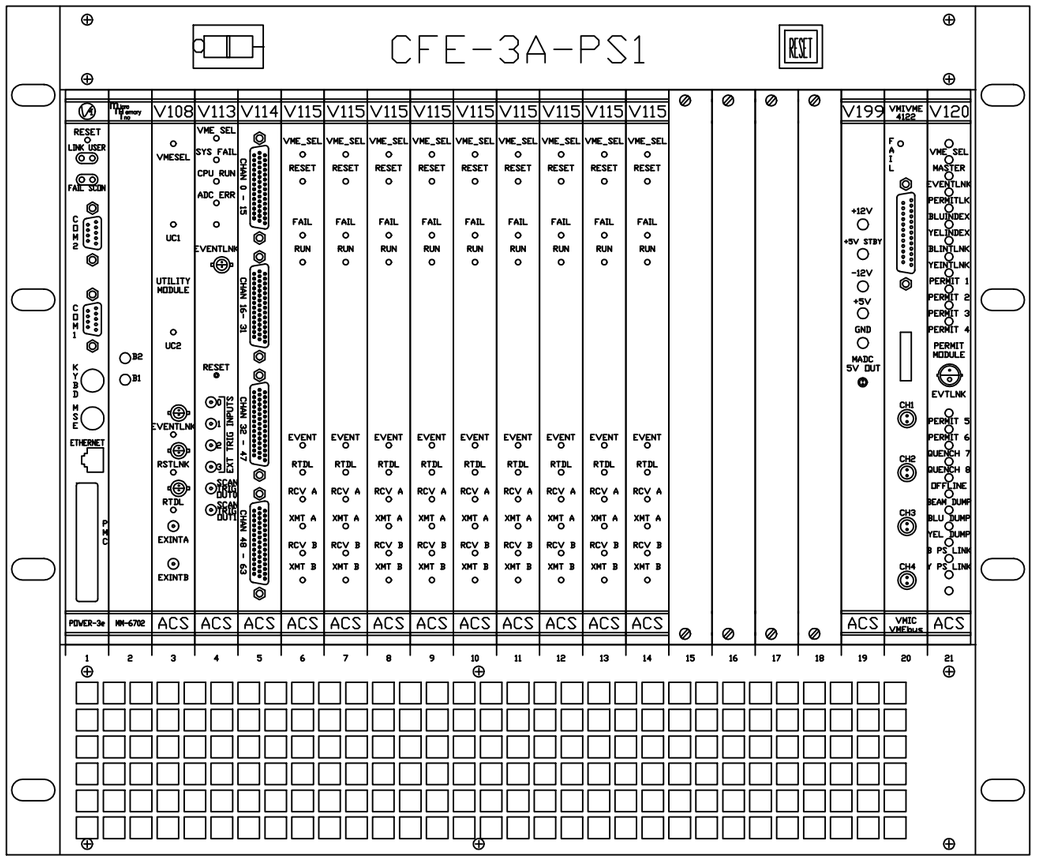
DRAWING NUMBER

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

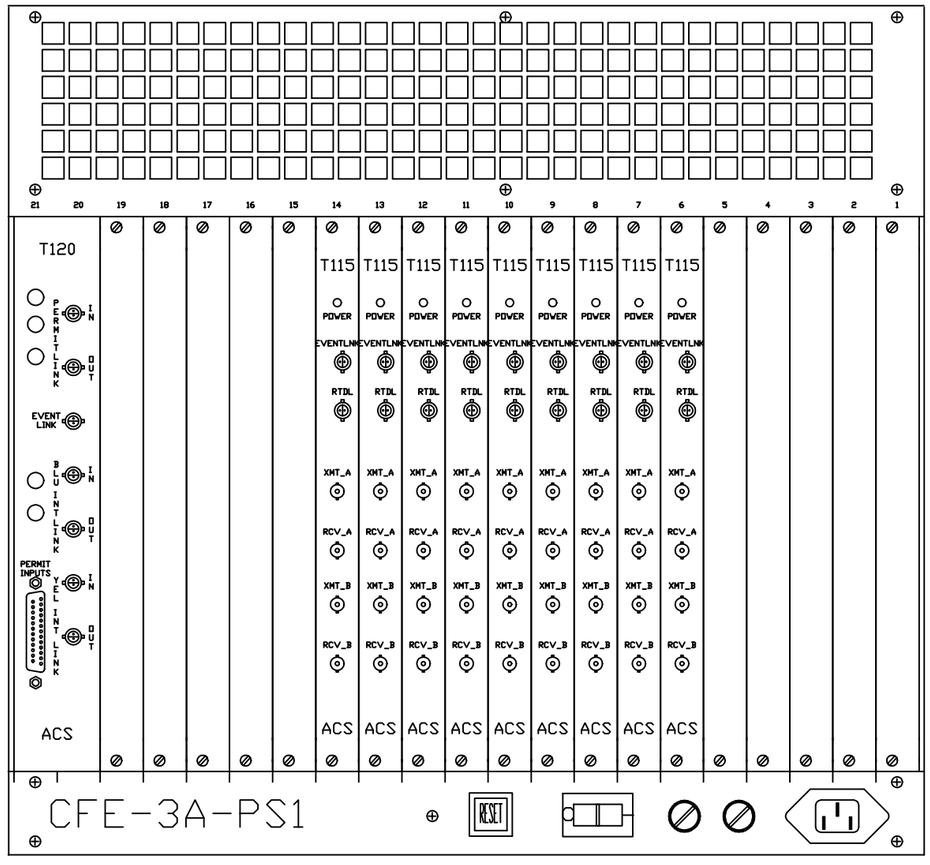
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

CONTROLS- 6/13/03 9:26 AM 8334.dwg



FRONT VIEW



REAR VIEW

NOTE:

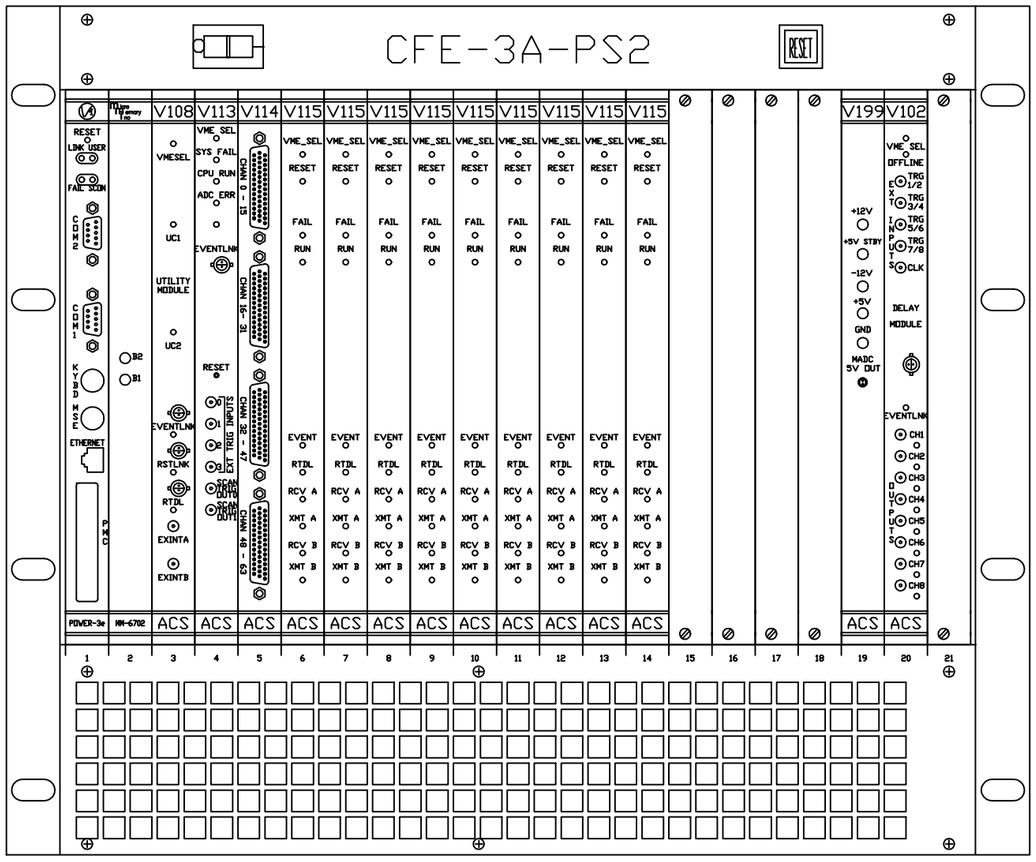
1. ALL UNUSED SLOTS, FRONT AND REAR

-3	-2	-1	QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
		1	1	SLOT 19	13	V199 VOLTAGE MONITOR BD	XXXXX
		1	1	SLOT 2	12	MM-6702 MEMORY MODULE (MICRO MEMORY)	
		1	1	SLOT 20	11	VMIVME 4122	94028793
		1	1	SLOT 21,20	10	T120	
		1	1	SLOT 21	9	V120 PERMIT/QUENCH MODUEL	
		17	SEE NOTE 1		8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		9	SLOT 6-14		7	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		9	SLOT 6-14		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	
		1	N/A		1	VME CHASSIS	RHIC-93008000

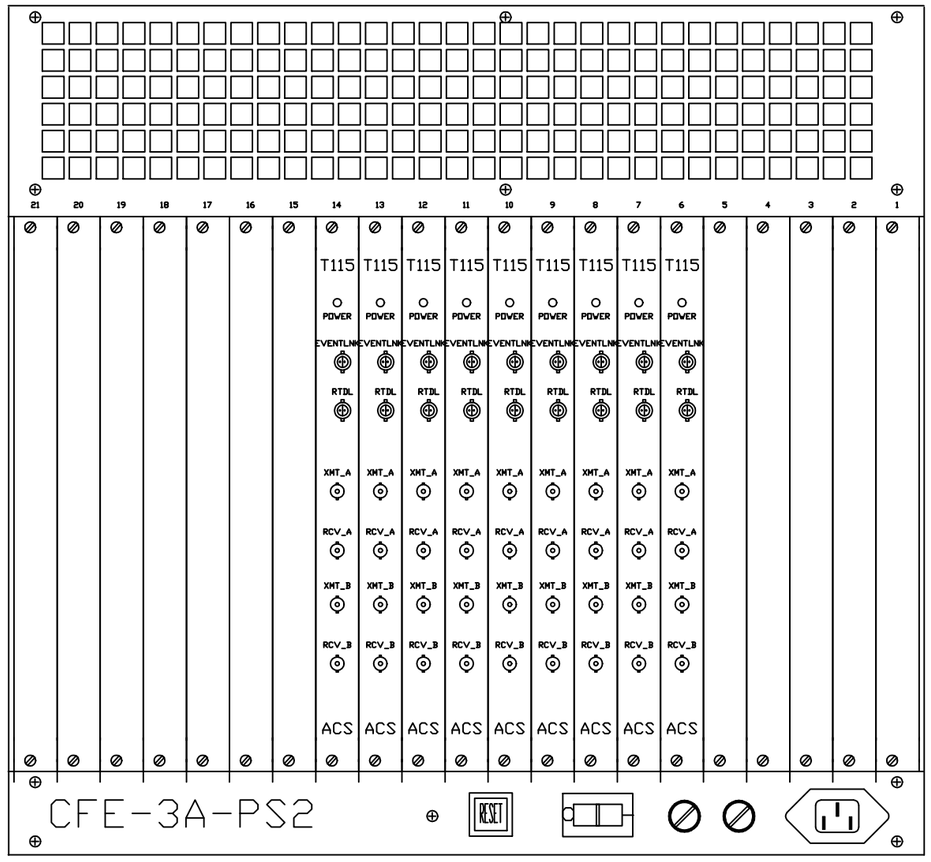
INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	Q.A. CATEGORY A-3	DATE	BROOKHAVEN NATIONAL LABORATORY ASSOCIATED UNIVERSITIES, INC. UPTON, N.Y. 11973	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY Venegas	8/2/99	RHIC CONTROLS	
DECIMAL TOLERANCES .X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	CHECKED BY		ALCOVE 1003A RACK R03A09	
	DESIGN APPROVAL			
	ENGINEER APPROVAL R. MICHNOFF	10/20/97	VME CHASSIS CFE-3A-PS1	
	SUPVR. APPROVAL		SIZE D	94028334 REV. A
NA FINISH	BREAK SHARP EDGES MAX. XX MIN. XX	NEXT ASSEMBLY	DRAWING NUMBER	
OUTSTANDING ECN			MATERIAL: ——— SCALE: NA WEIGHT: –	SHEET 1 OF 1

*AUTOCAD

CONTROLS- 6/13/03 9:28 AM 8335.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.,BNL NO.
		1	SLOT 19	12	V199 VOLTAGE MONITOR BD	XXXXXX
		1	SLOT 2	11	MM-6702 MEMORY MODULE (MICRO MEMORY)	
		1	SLOT 20	10	V102 DELAY MODULE	
				9		
		18	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		9	SLOT 6-14	7	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		9	SLOT 6-14	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	
		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°

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

Q.A. CATEGORY	A-3	DATE	
DRAWN BY	Phil Pape	10/20/97	
CHECKED BY			
DESIGN APPROVAL			
ENGINEER APPROVAL	R. MICHNOFF	10/20/97	
SUPVR. APPROVAL			

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1003A RACK R03A10

VME CHASSIS CFE-3A-PS2

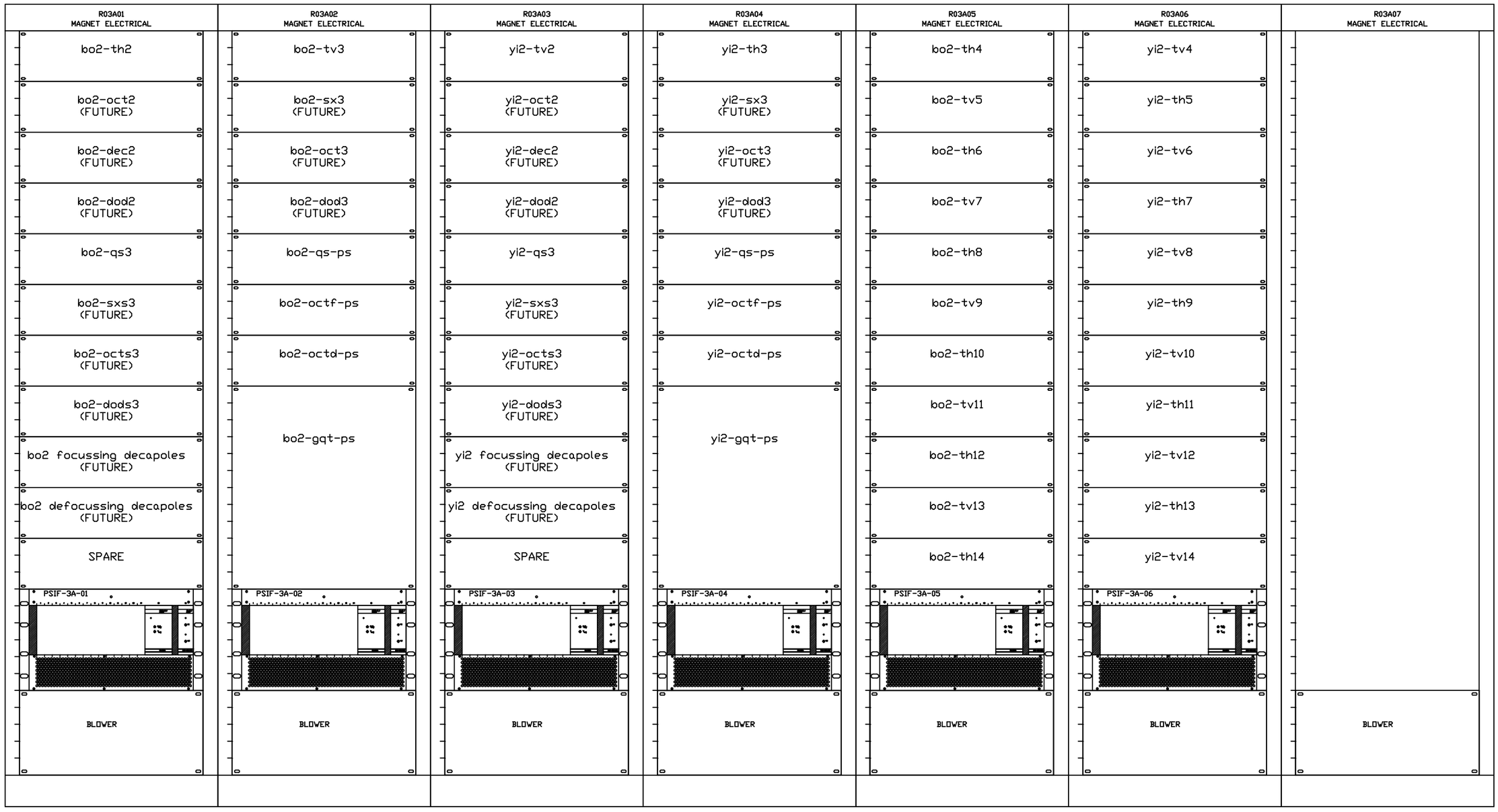
SIZE D | 94028335 | REV. A

DRAWING NUMBER

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

1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



FRONT VIEW

QTY	REF DESIG	ITEM	DESCRIPTION	DWG NO.,BNL NO.
7		10	BLOWER (PREMIER METAL PMB-8-525)	
1		9	RACK R03C01 - R03C07 WIRING DIAGRAM	xxxx
34		8	50 AMP CORRECTOR POWER SUPPLIES	xxxx
2		7	GAMMA-T CORRECTOR POWER SUPPLIES	xxxx
1		6	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-3A-06 ASSY.	94028343
1		5	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-3A-05 ASSY.	94028342
1		4	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-3A-04 ASSY.	94028341
1		3	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-3A-03 ASSY.	94028340
1		2	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-3A-02 ASSY.	94028339
1		1	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-3A-01 ASSY.	94028338

QTY REQD | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,BNL NO.

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

DRAWN BY	Phil Pape	10/20/97
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 1003A

RACKS R03A01-R03A07 ASSEMBLY

SIZE D | DRAWING NUMBER 94028337 | REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 2

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

R03A07
MAGNET ELECTRICAL

R03A06
MAGNET ELECTRICAL

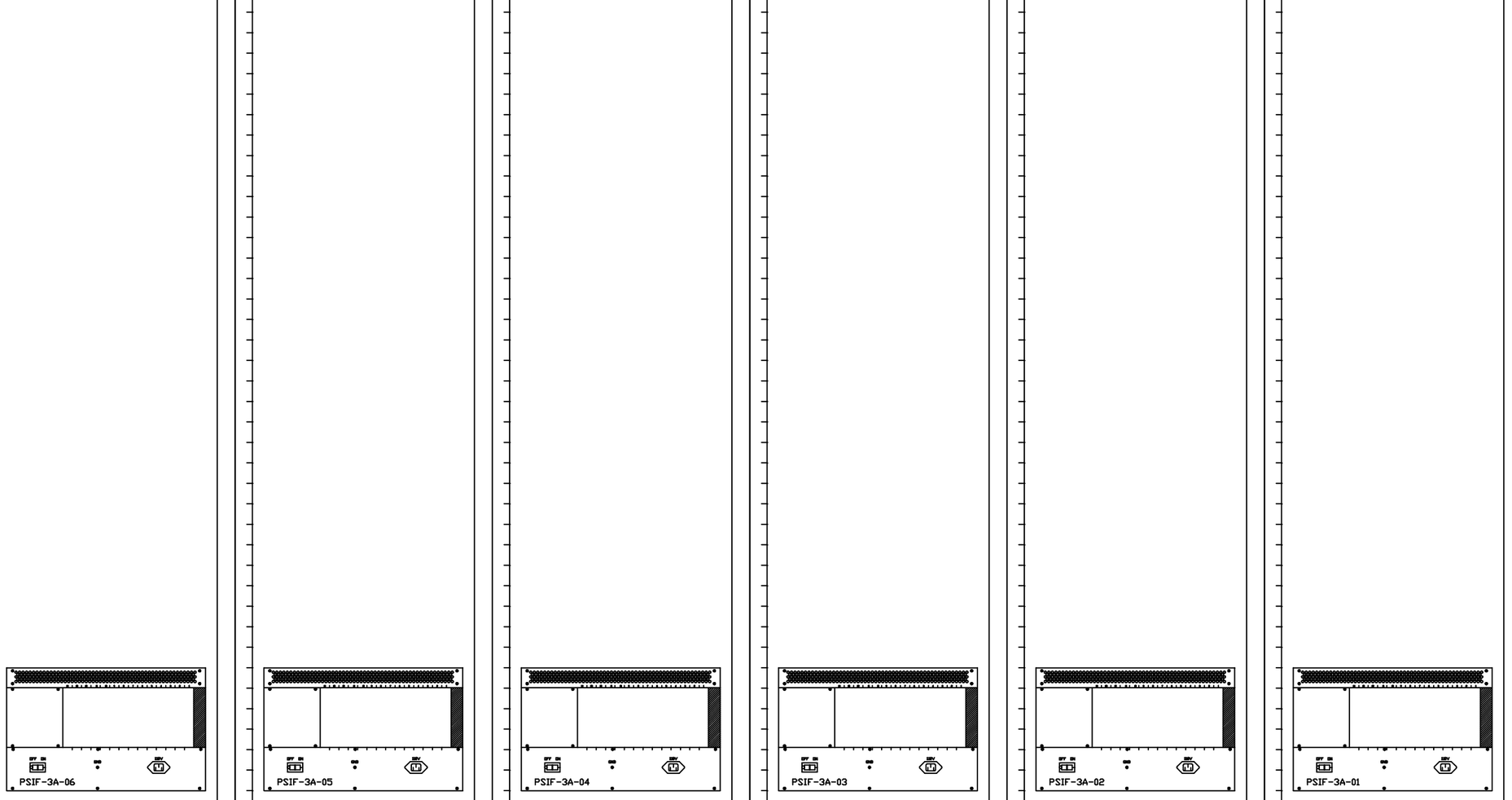
R03A05
MAGNET ELECTRICAL

R03A04
MAGNET ELECTRICAL

R03A03
MAGNET ELECTRICAL

R03A02
MAGNET ELECTRICAL

R03A01
MAGNET ELECTRICAL



REAR VIEW

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

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	Phil Pape	10/20/97
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 1003A

RACKS R03A01–R03A07 ASSEMBLY

SIZE D

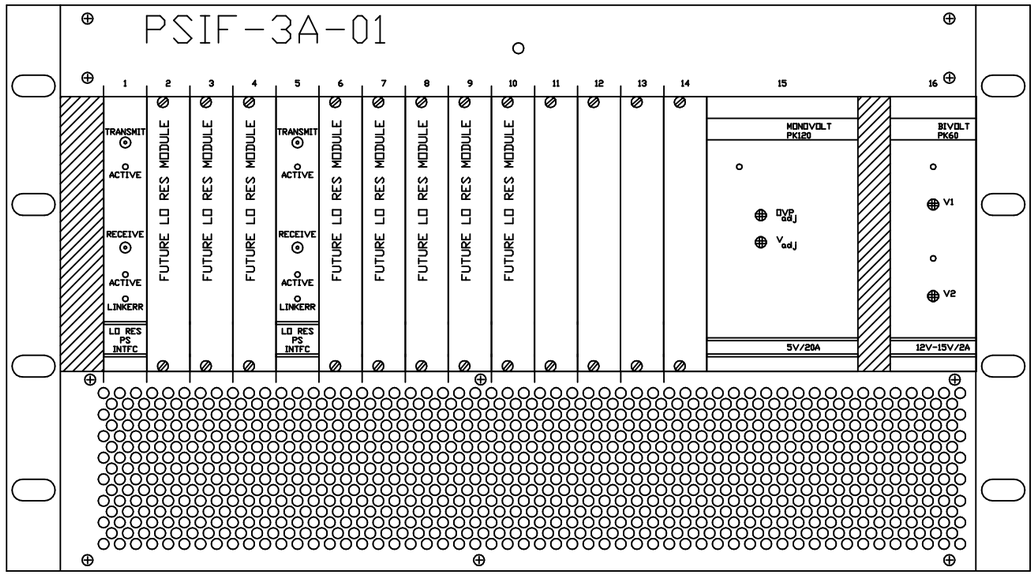
94028337

REV. A

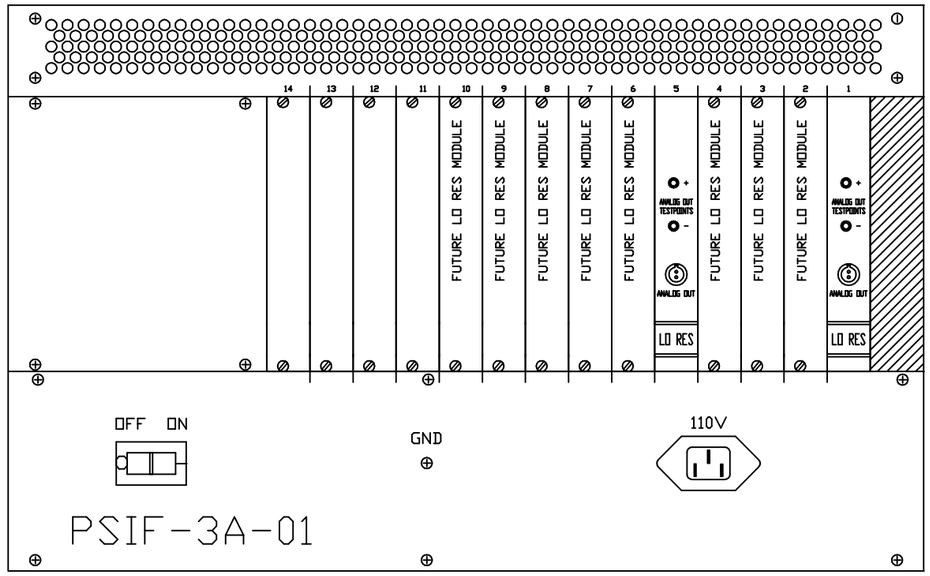
DRAWING NUMBER

MATERIAL: ———— SCALE: NA WEIGHT: – SHEET 2 OF 2

*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.
			24	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
			2	SLOT 1,5	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
			2	SLOT 1,5	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

DRAWN BY	Phil Pape	10/20/97
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 1003A

RACK R03A01, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-3A-01 ASSY

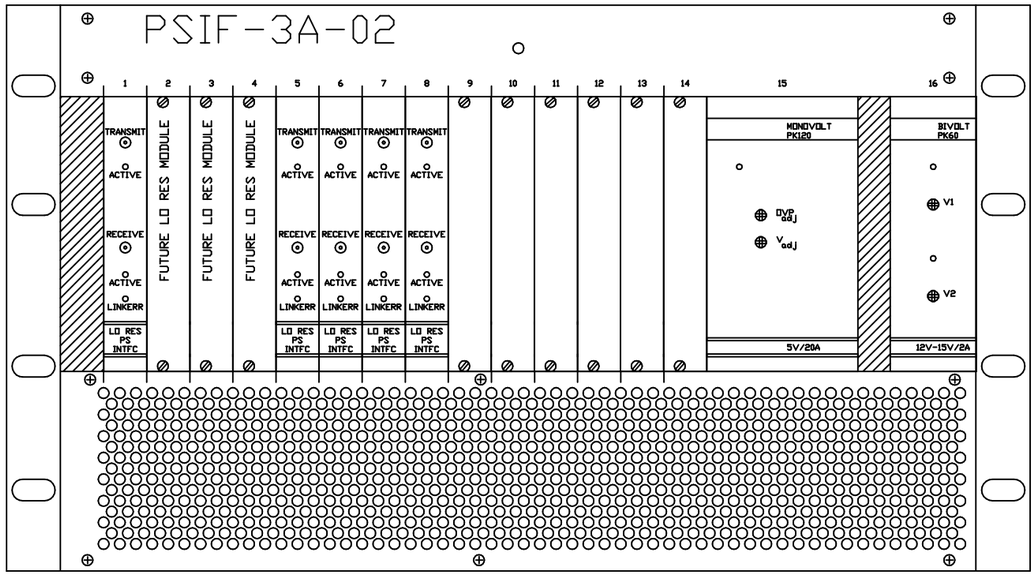
SIZE D — 94028338 — REV. A

DRAWING NUMBER

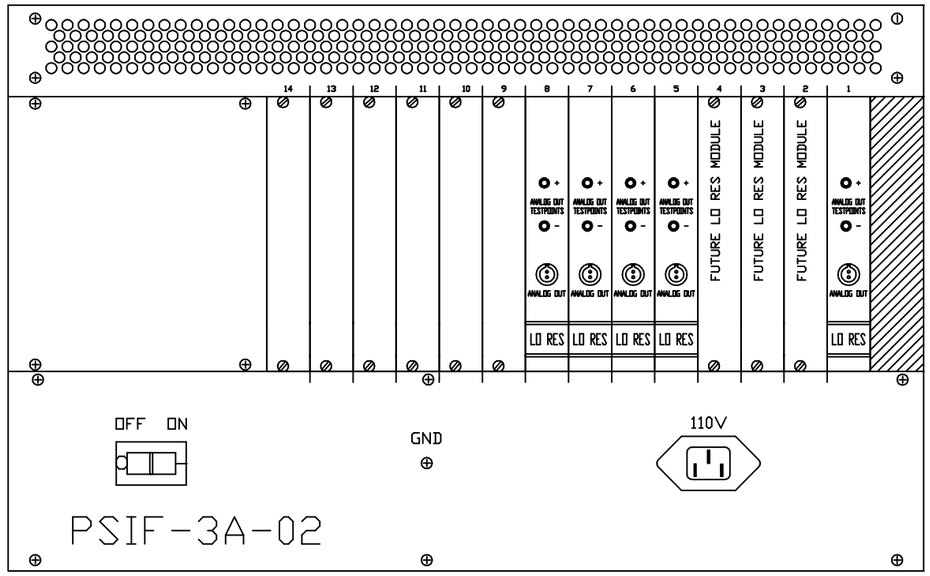
MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



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./PN NO.
		18	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)		
		5	SLOT 1,5-8	3	LO RES PS INTERFACE TRANSITION MODULE		94028198
		5	SLOT 1,5-8	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	Phil Pape	10/20/97
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 1003A

RACK R03A02, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-3A-02 ASSY

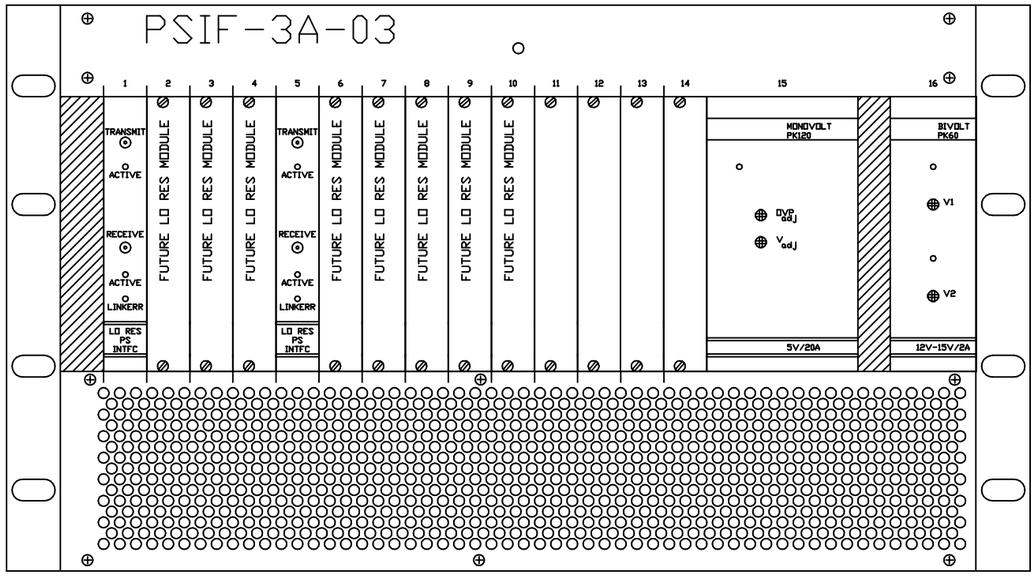
SIZE D | 94028339 | REV. A

DRAWING NUMBER

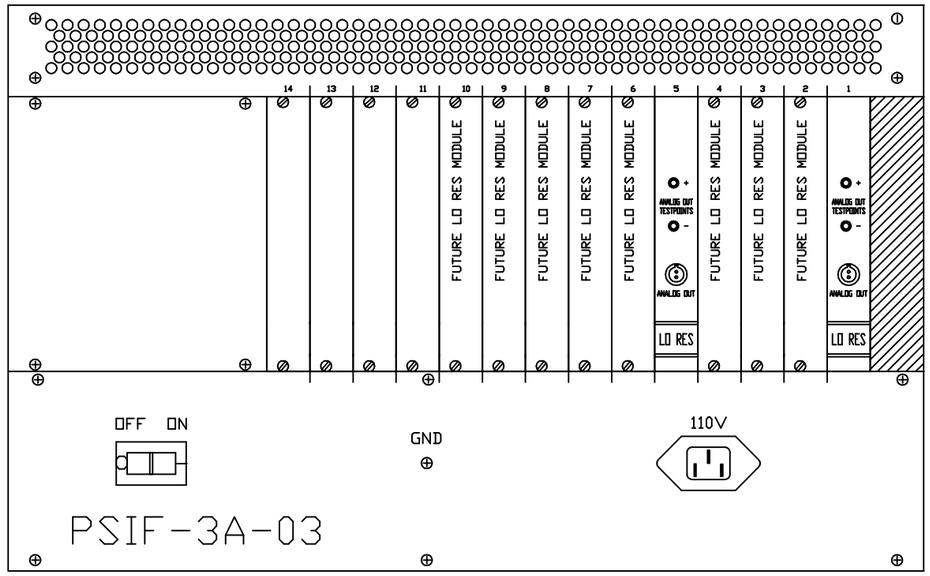
MATERIAL: ——— SCALE: NA WEIGHT: — SHEET 1 OF 1

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



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.
			24	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
			2	SLOT 1,5	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
			2	SLOT 1,5	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°

FINISH: NA

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

DRAWN BY	Phil Pape	10/20/97
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 1003A

RACK R03A03, LOW RES PWR SPLY INTERFACE

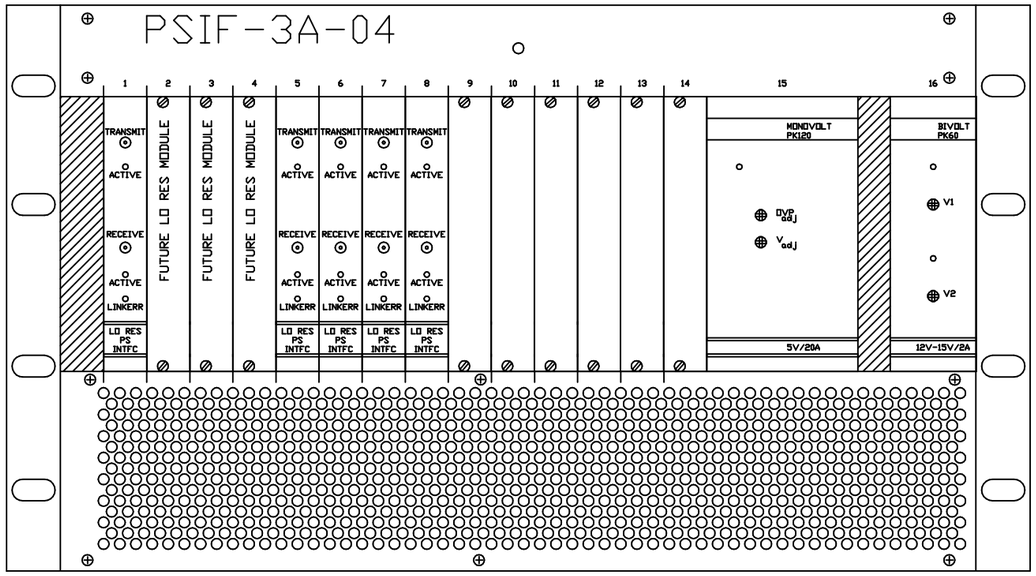
CHASSIS PSIF-3A-03 ASSY

SIZE D | DRAWING NUMBER 94028340 | REV. A

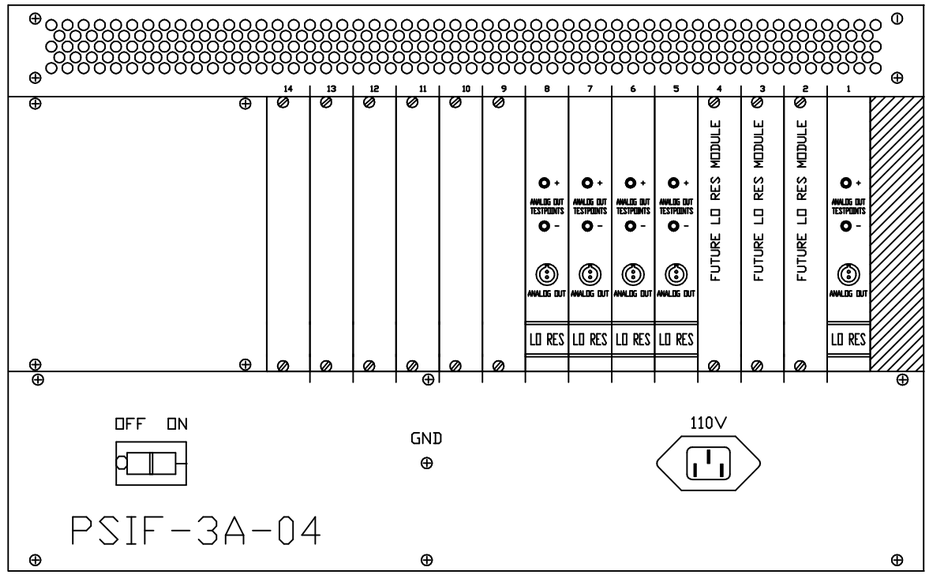
MATERIAL: ——— | SCALE: NA | WEIGHT: – | SHEET 1 OF 1

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



FRONT VIEW



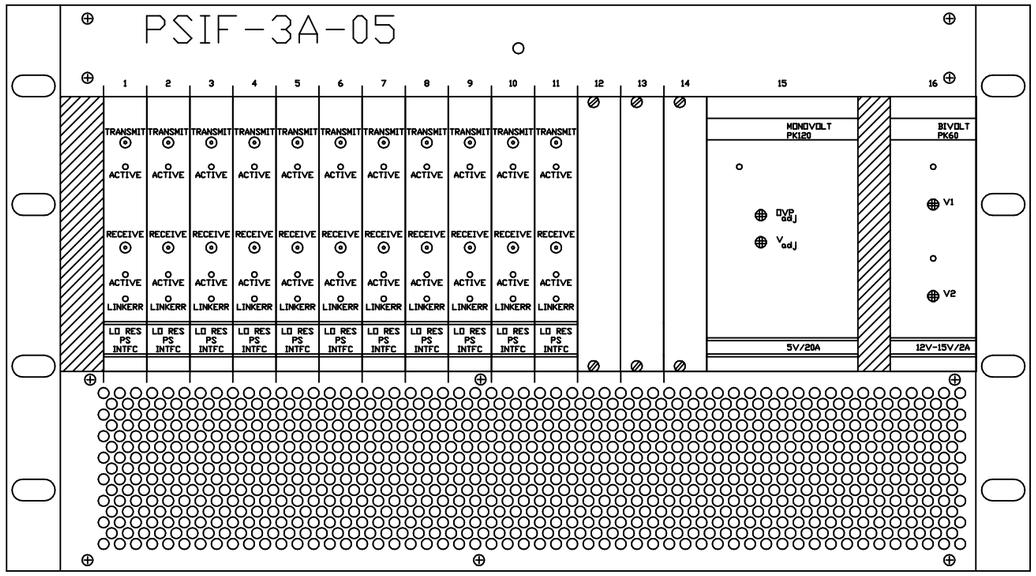
REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

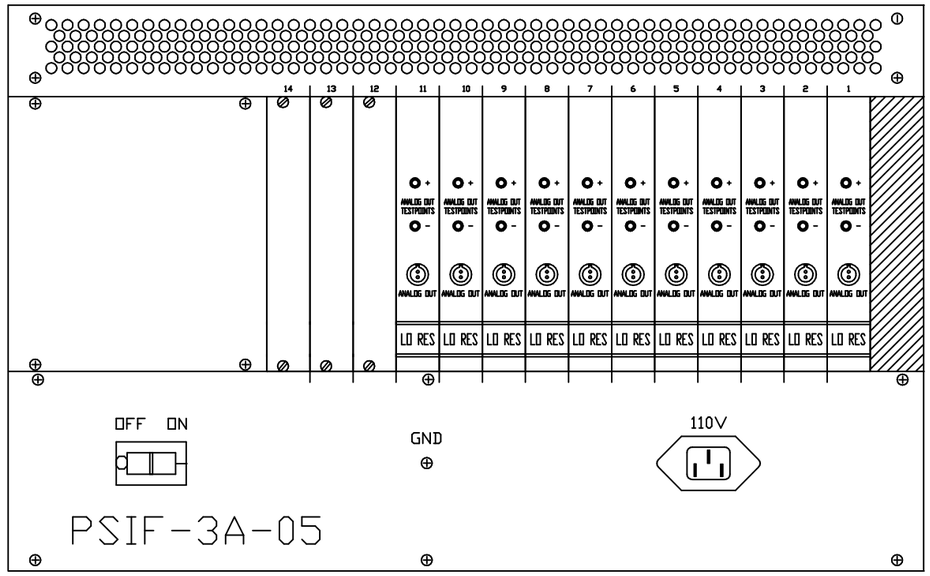
-3	-2	-1	QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./PN NO.
		18	SEE NOTE 1		4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		5	SLOT 1,5-8		3	LO RES PS INTERFACE TRANSITION MODULE	94028198
		5	SLOT 1,5-8		2	LO RES PS INTERFACE MODULE	94028191
		1	N/A		1	3U LO RES POWER SUPPLY INTERFACE CHASSIS	94028262

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	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: Phil Pape	10/20/97	RHIC CONTROLS, ALCOVE 1003A	
DECIMAL TOLERANCES X ±.030 .XX ±.015 .XXX ±.005	CHECKED BY:		RACK R03A04, LOW RES PWR SPLY INTERFACE	
ANGULAR TOLERANCE ± .5°	DESIGN APPROVAL:		CHASSIS PSIF-3A-04 ASSY	
NA FINISH	ENGINEER APPROVAL: R. MICHNOFF	10/20/97	SIZE D — 94028341 — REV. A	
BREAK SHARP EDGES MAX. XX MIN. XX	SUPVR. APPROVAL:		DRAWING NUMBER	
OUTSTANDING ECN	NEXT ASSEMBLY		MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1	

*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./PN NO.
		6	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		11	SLOT 1-11	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
		11	SLOT 1-11	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°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

DRAWN BY	Phil Pape	10/20/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	10/20/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

DATE

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

RHIC CONTROLS, ALCOVE 1003A

RACK R03A05, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-3A-05 ASSY

SIZE D

94028342

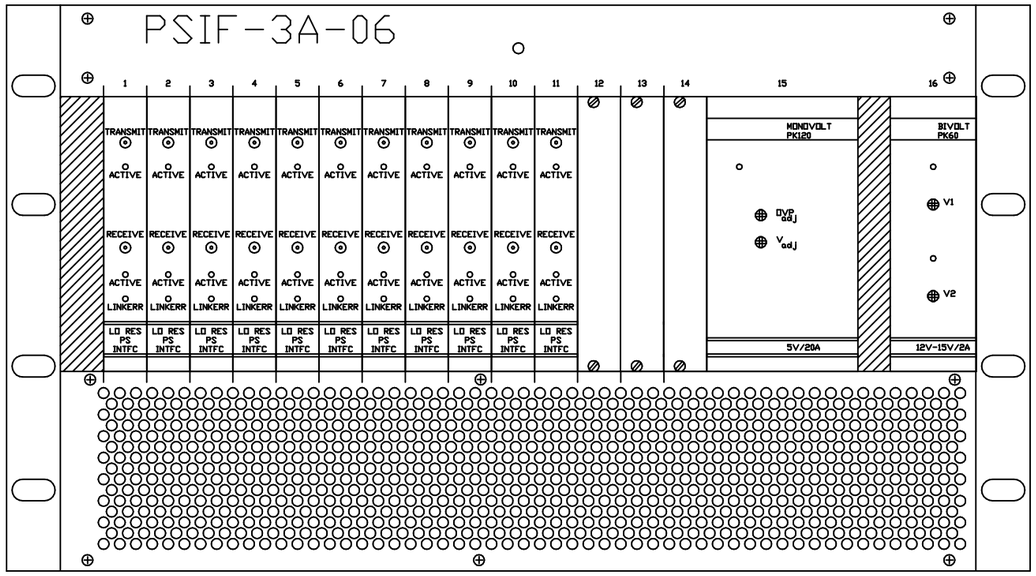
REV. A

DRAWING NUMBER

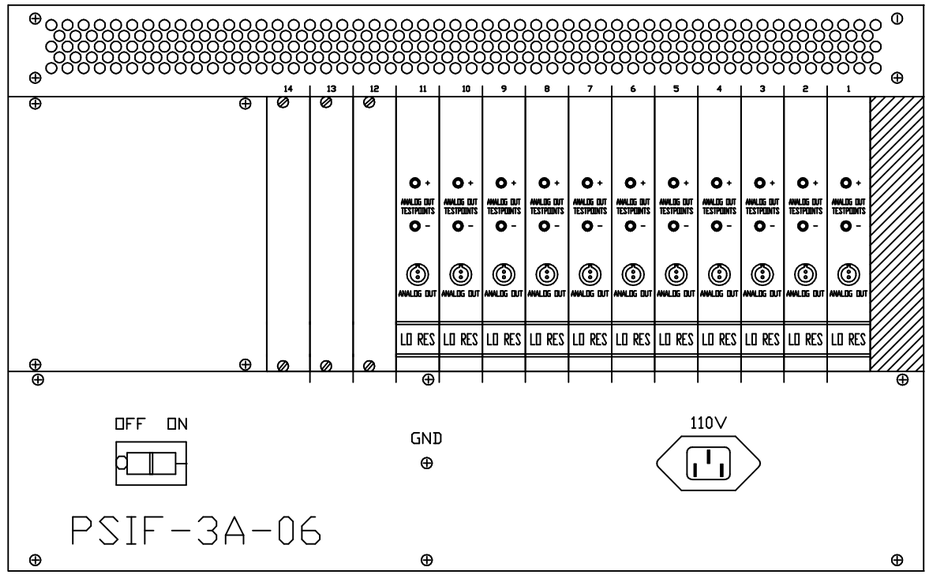
MATERIAL: ———— SCALE: NA WEIGHT: — SHEET 1 OF 1

1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



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.
		6	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		11	SLOT 1-11	3	LO RES PS INTERFACE TRANSITION MODULE	94028198
		11	SLOT 1-11	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

DRAWN BY	Phil Pape	10/20/97
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 1003A

RACK R03A06, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-3A-06 ASSY

SIZE D | 94028343 DRAWING NUMBER | REV. A

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

1 *AUTOCAD