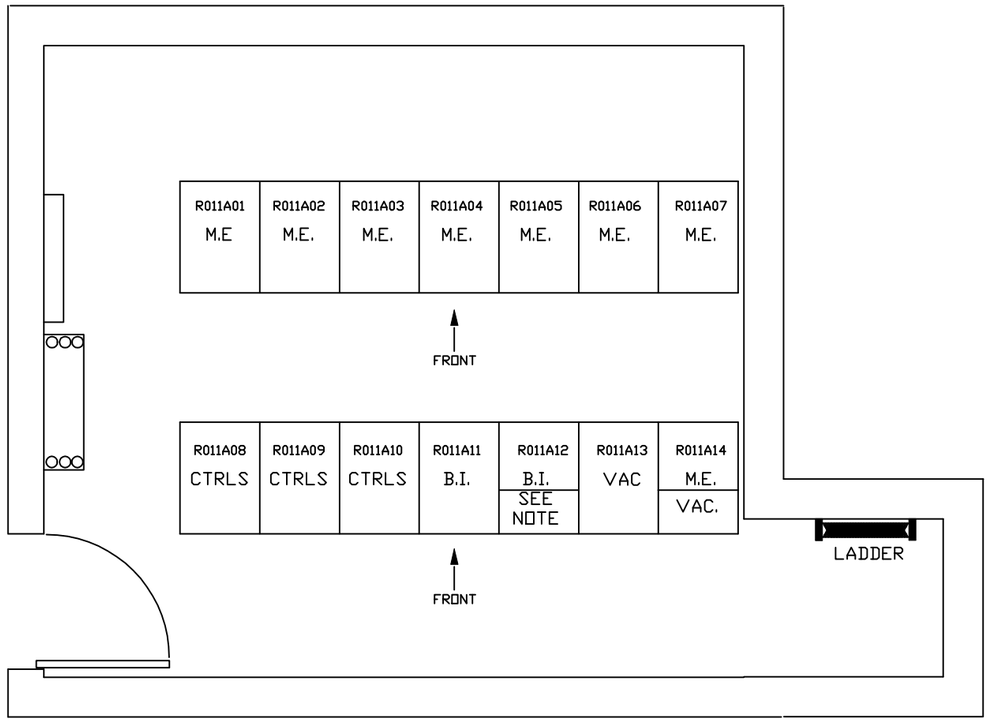
REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



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 -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
		1	R011A10	5	RACK R011A10 ASSEMBLY	94028469
		1	R011A09	4	RACK R011A09 ASSEMBLY	94028468
		1	R011A08	3	RACK R011A08 ASSEMBLY	94028467
		1		2	RACKS R011A01 - R011A07 ASSEMBLY	94028475
		1		1	RHIC CONTROLS BLDG. 1011A WIRING DIAGRAM	94028474

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	2/20/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	2/20/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

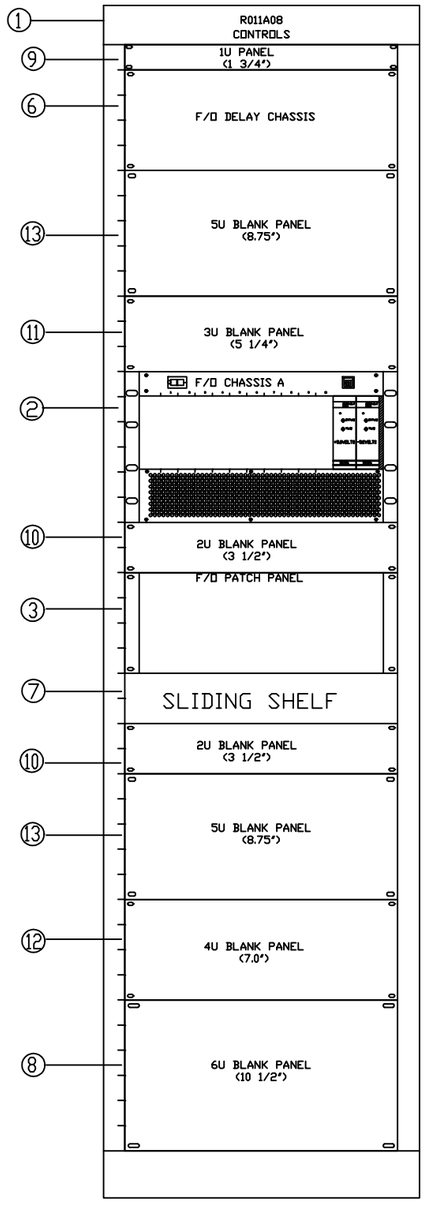
ALCOVE 1011A FLOOR PLAN

SIZE D | 94028466 | REV. A
DRAWING NUMBER
MATERIAL: ——— | SCALE: NA | WEIGHT: – | SHEET 1 OF 1

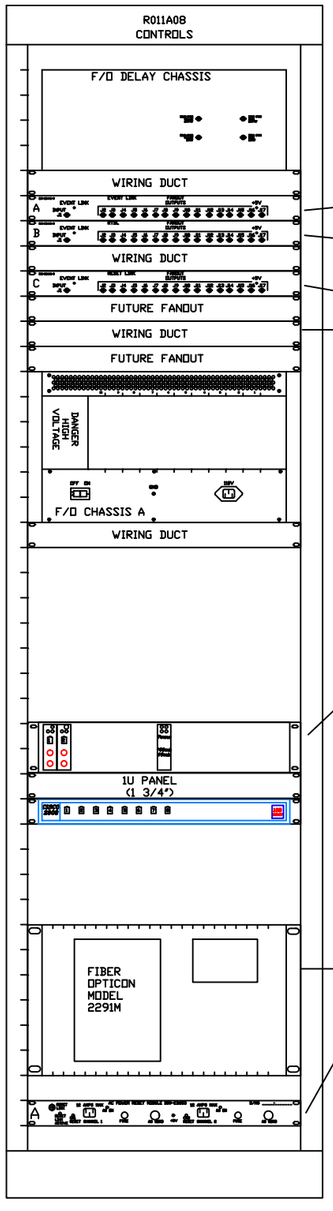
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

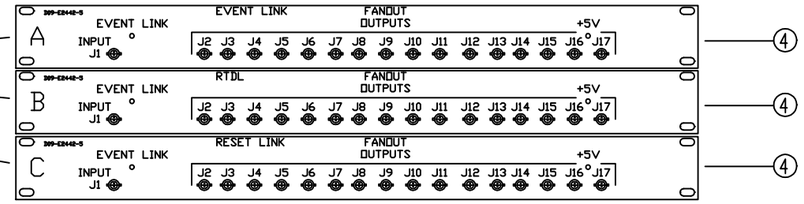
CONTROLS- 6/6/03 9:36 AM 8467.dwg

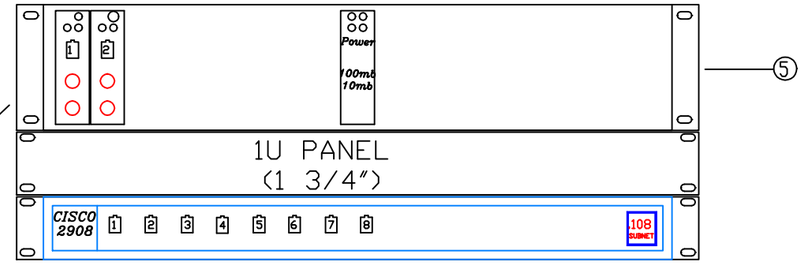


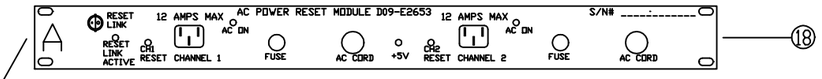
FRONT VIEW



REAR VIEW







		1	N/A	18	AC POWER RESET MODULE	D09-E2653
		1	N/A	17	FIBER OPTICON 2291M	X
		8	N/A	16	WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT SNS1.5-C)	X
		4	N/A	15	WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6)	X
		4	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 NETWORK HARDWARE	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	94028470
		1	N/A	1	19" RACK, 77"H RACK SPACE	X
-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL 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

DRAWN BY	Ed Koropsak	2/20/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	2/20/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

DATE

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
ALCOVE 1011A
RACK R011A08 ASSEMBLY

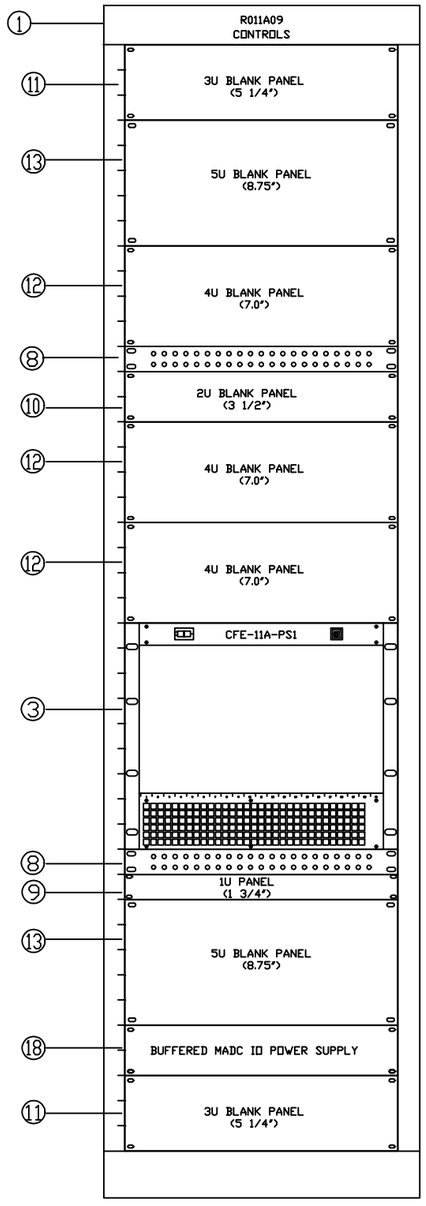
SIZE D | 94028467 DRAWING NUMBER | REV. A

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

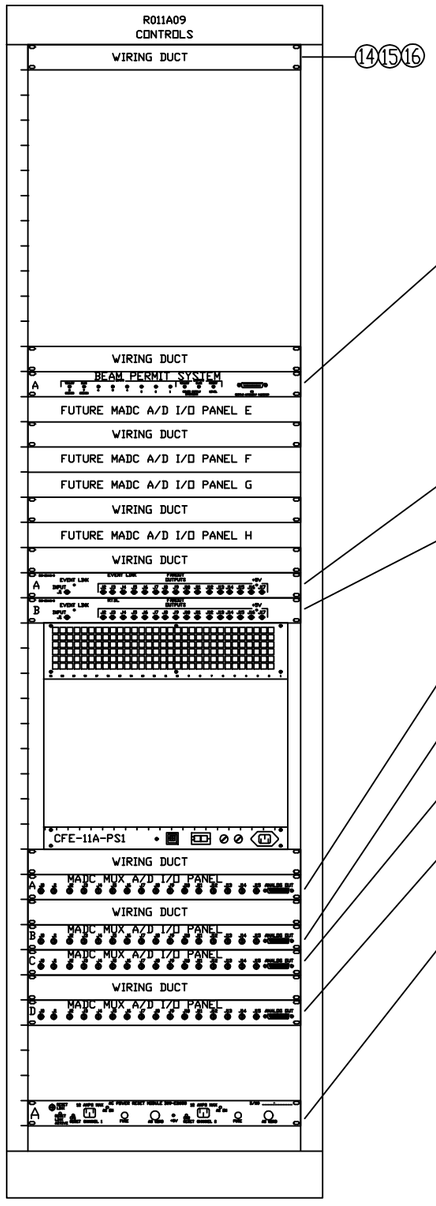
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

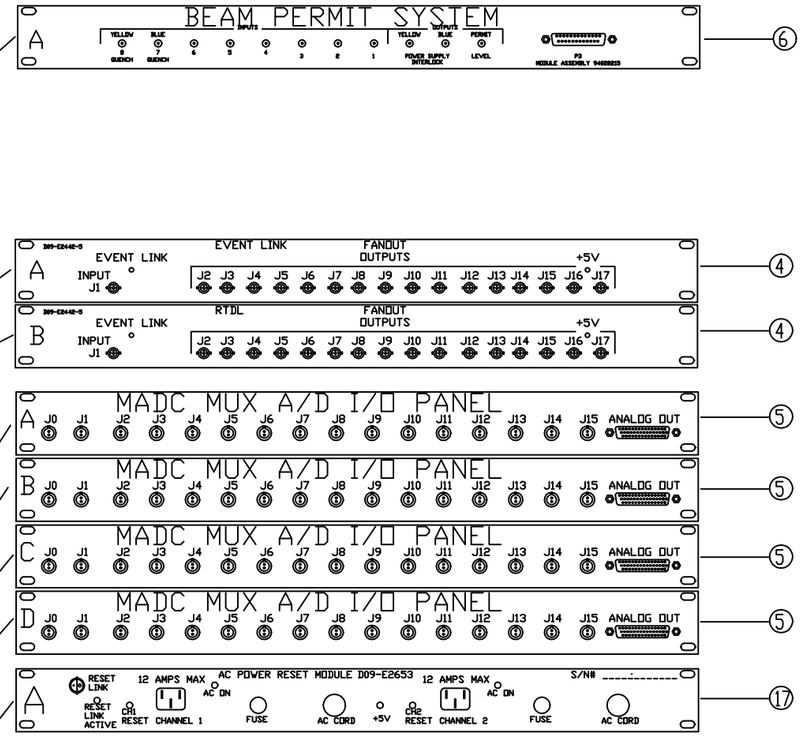
CONTROLS- 6/6/03 9:32 AM 8468.dwg



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	18	MADC POWER SUPPLY	XXXXX
		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
		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
		2	N/A	9	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
		2	N/A	8	GROMMET PANEL	X
		X	X	7	X	X
		1	A	6	BEAM PERMIT SYSTEM INTERFACE PANEL	94028215
		4	A-D	5	MADC A/D I/O PANEL	94028183
		2	A,B	4	FANOUT ASSEMBLY	D09-E2442
		1	N/A	3	VME CHASSIS CFE-11A-PS1 ASSY.	94028472
		0	N/A	2	VME CHASSIS CFE-11A-PS3 ASSY. (FUTURE)	94028471
		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

DRAWN BY	Ed Koropsak	2/20/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	2/20/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
ALCOVE 1011A

RACK R011A09 ASSEMBLY

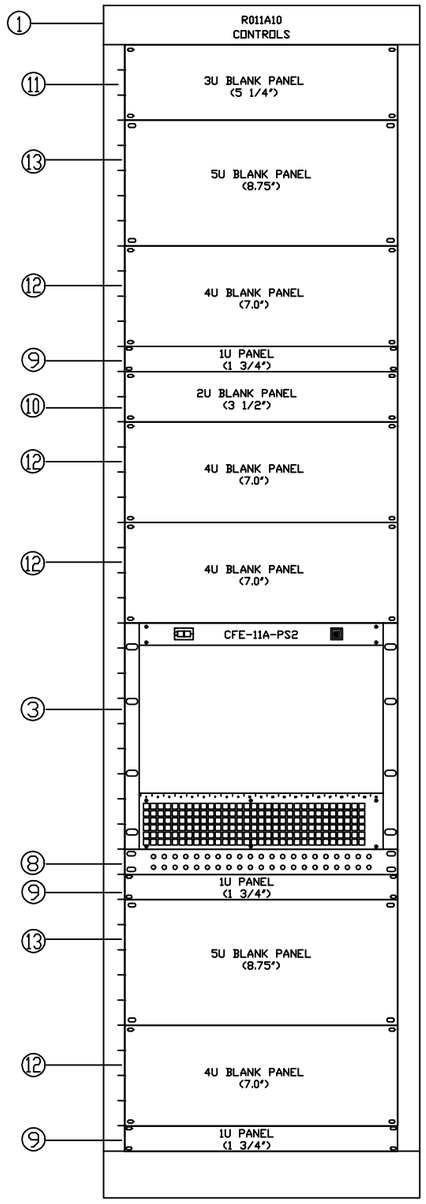
SIZE D | DRAWING NUMBER 94028468 | REV. A

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

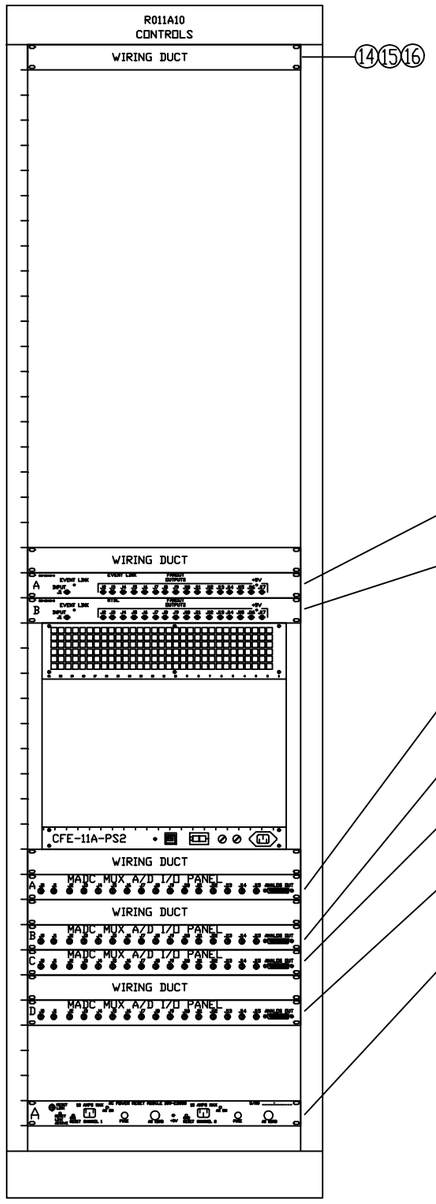
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

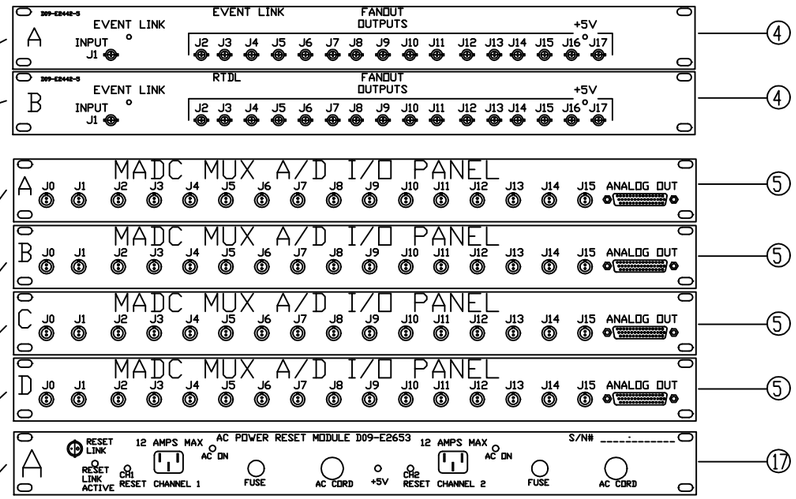
ACS, BNL 8/13/99 1:22 PM 8469.dwg



FRONT VIEW



REAR VIEW



-3 QTY REQD	-2 QTY REQD	-1 QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
		1	A	17	AC 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	X
		X	X	7	X	X
		X	X	6	X	X
		4	A,B,C,D	5	MADC A/D I/O PANEL	94028183
		2	A,B	4	FANOUT ASSEMBLY	D09-E2442
		1	N/A	3	VME CHASSIS CFE-11A-PS2 ASSY.	94028473
		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

DRAWN BY	Ed Koropsak	2/20/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	2/20/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
ALCOVE 1011A
RACK R011A10 ASSEMBLY

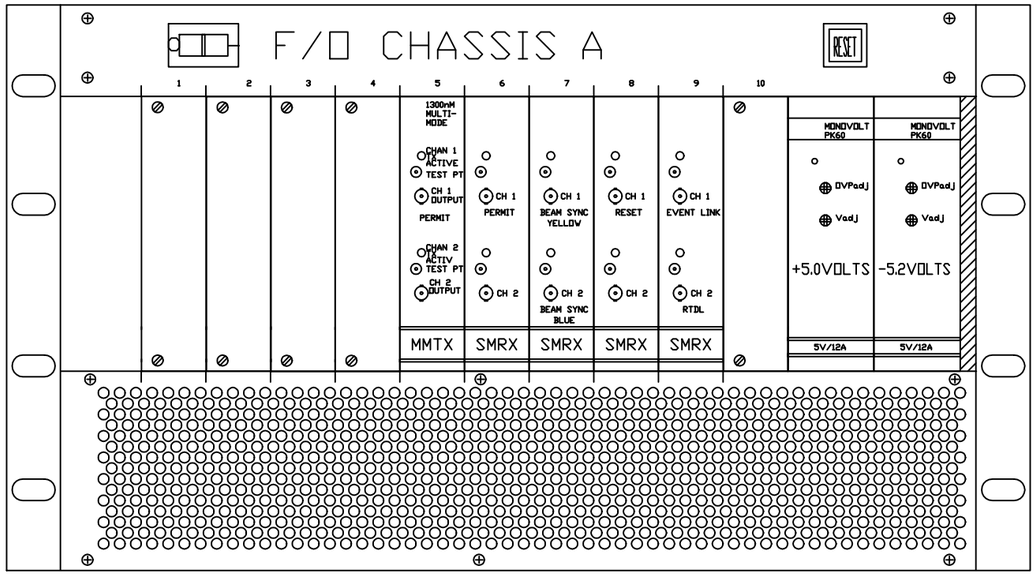
SIZE D | 94028469 | REV. A
DRAWING NUMBER

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

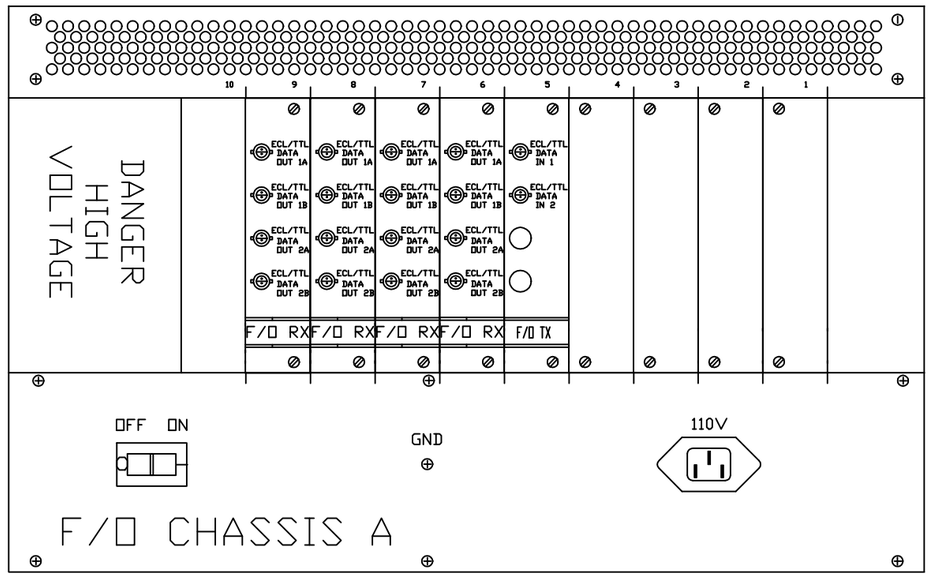
8 7 6 5 4 3 2 1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

ACS, BNL 8/13/99 1:29 PM 8470.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
10	ALL UNUSED	6	3U x 6HP BLANK PANEL (ELECTRO-SPACE ESFE-3032)	X
3	SLOT 6,8,9	5	3U FIBER OPTIC RECEIVER TRANSITION MODULE, TTL	D09-E2542-3
4	SLOT6-9	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

DRAWN BY	Ed Koropsak	2/20/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	2/20/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
ALCOVE 1011A RACK R011A08
F/O CHASSIS A ASSY.

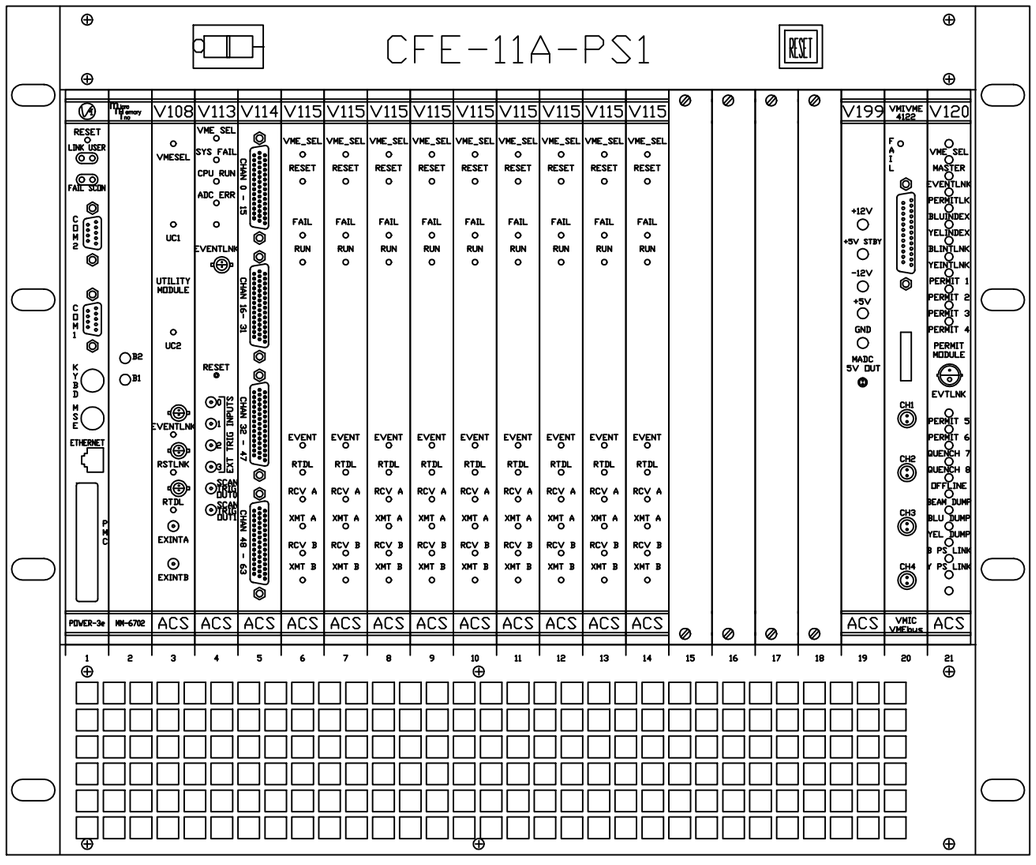
SIZE D | 94028470 | REV. A

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

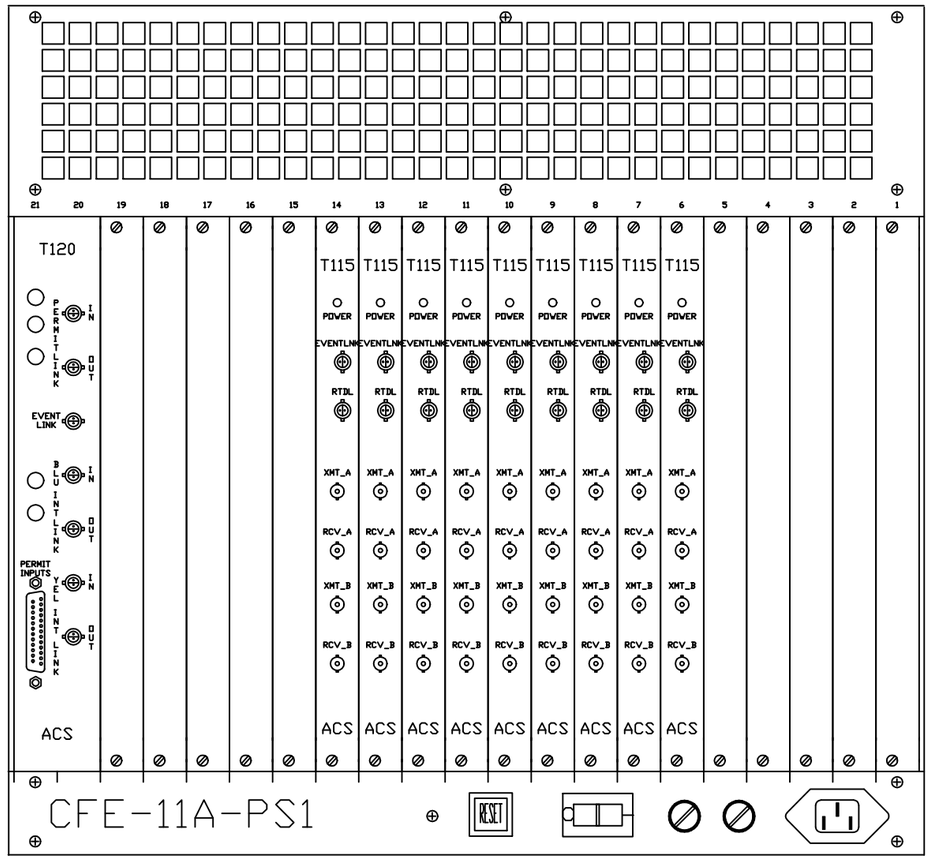
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

CONTROLS- 6/18/03 10:40 AM 8472.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	XXXXXX
		1	1	SLOT 20	12	VMIVME 4122 MODIFIED	94028793
		1	1	SLOT 2	11	MEMORY BOARD	MM-6702
		1	1	SLOT 20-21	10	T120 PERMIT SYSTEM TRANSITION MODULE	94028199-2
		1	1	SLOT 21	9	V120 PERMIT SYSTEM MODULE	94028077
		x	x	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		9	9	SLOT 6-14	7	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		1	9	SLOT 6-14	6	V115 WAVEFORM GENERATOR MODULE	94028108
		1	1	SLOT5	5	V114 MADC A/D CONVERTER MODULE	94028226
		1	1	SLOT4	4	V113 MADC CONTROLLER MODULE	94028140
		1	1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	1	SLOT 1	2	FRONT END COMPUTER	POWER-3e
		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'

FINISH: NA

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

DRAWN BY	Ed Koropsak	2/20/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	2/20/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
ALCOVE 1011A RACK R011A09
VME CHASSIS CFE-11A-PS1

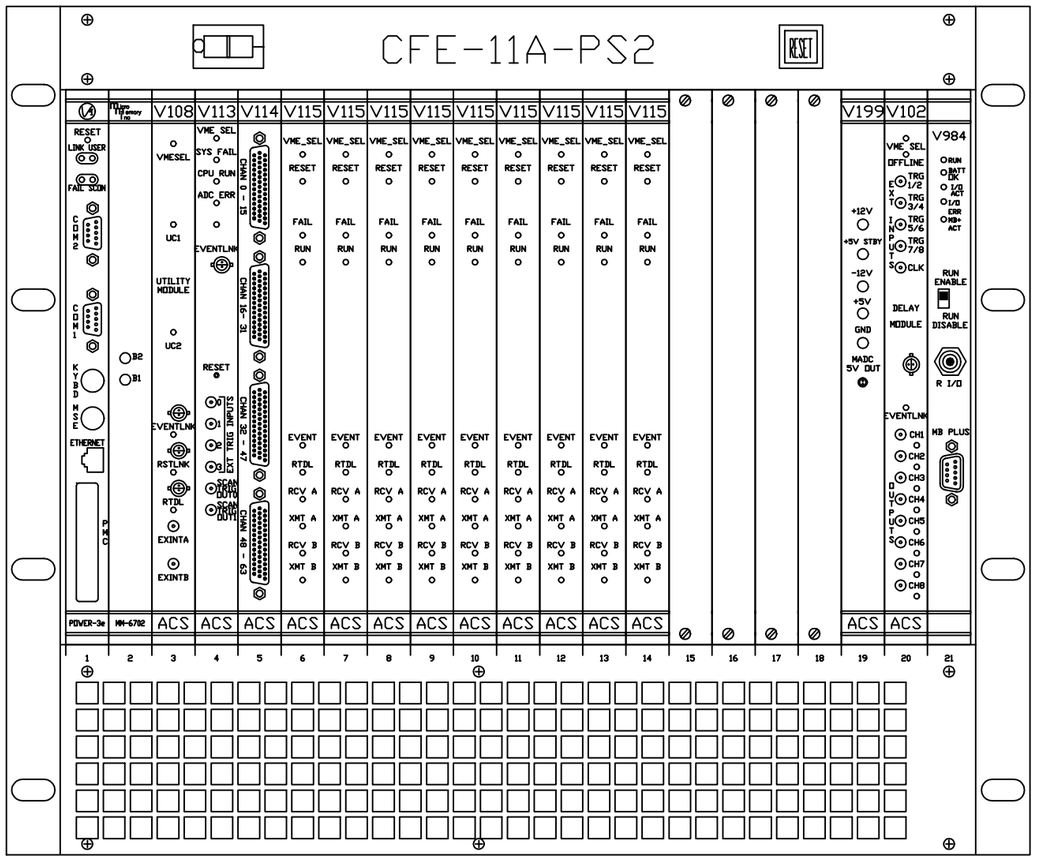
SIZE D | DRAWING NUMBER 94028472 | REV. A

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

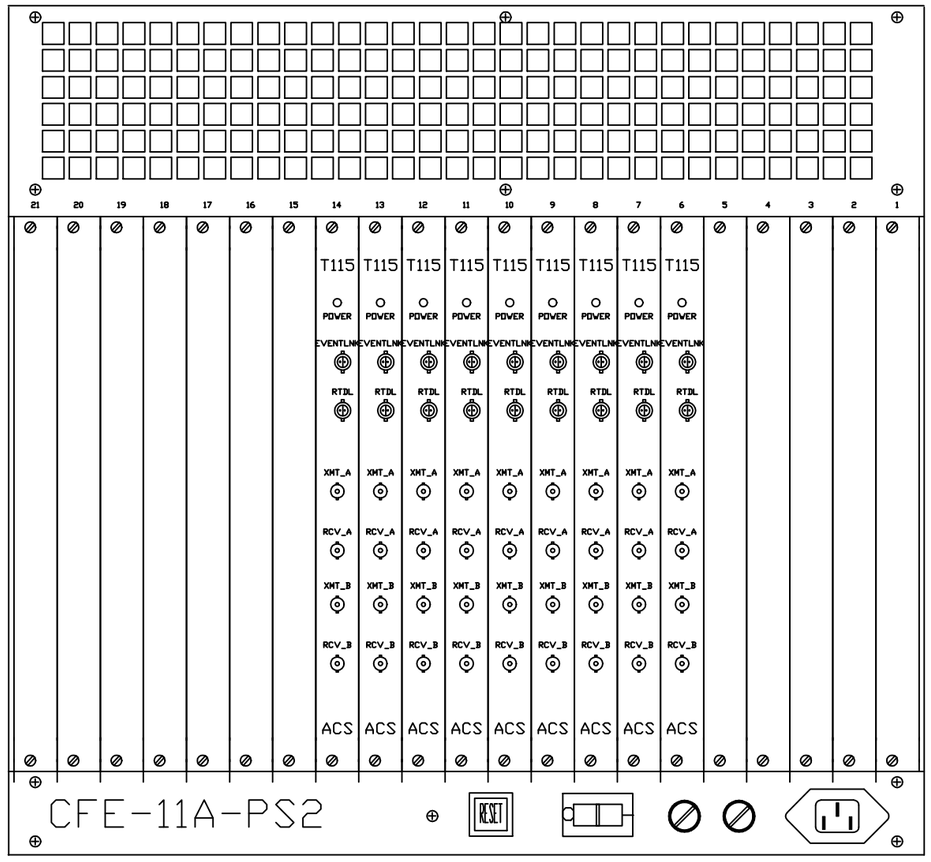
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

CONTROLS- 6/18/03 10:42 AM 8473.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	12	V199 VOLTAGE MONITOR BD	XXXXXX
		1	1	SLOT 2	11	MEMORY BOARD	MM-6702
		1	1	SLOT 20	10	V102 DELAY MODULE	94028072
		1	1	SLOT 21	9	MODICON VME PLC V984	
		20	20	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		9	9	SLOT 6-14	7	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		9	9	SLOT 6-14	6	V115 WAVEFORM GENERATOR MODULE	94028108
		1	1	SLOT5	5	V114 MADC A/D CONVERTER MODULE	94028226
		1	1	SLOT4	4	V113 MADC CONTROLLER MODULE	94028140
		1	1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	1	SLOT 1	2	FRONT END COMPUTER	POWER-3e
		1	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°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

DRAWN BY	Ed Koropsak	2/20/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	2/20/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
ALCOVE 1011A RACK R011A10
VME CHASSIS CFE-11A-PS2

SIZE D | DRAWING NUMBER 94028473 | REV. A

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

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

R011A01 MAGNET ELECTRICAL	R011A02 MAGNET ELECTRICAL	R011A03 MAGNET ELECTRICAL	R011A04 MAGNET ELECTRICAL	R011A05 MAGNET ELECTRICAL	R011A06 MAGNET ELECTRICAL	R011A07 MAGNET ELECTRICAL
bo10-th2	bo10-th3	yi10-tv2	yi10-th3	bo10-th4	yi10-tv4	
bo10-oct2 (FUTURE)	bo10-sx3 (FUTURE)	yi10-oct2 (FUTURE)	yi10-sx3 (FUTURE)	bo10-tv5	yi10-th5	
bo10-dec2 (FUTURE)	bo10-oct3 (FUTURE)	yi10-dec2 (FUTURE)	yi10-oct3 (FUTURE)	bo10-th6	yi10-tv6	
bo10-dod2 (FUTURE)	bo10-dod3 (FUTURE)	yi10-dod2 (FUTURE)	yi10-dod3 (FUTURE)	bo10-tv7	yi10-th7	
bo10-qs3	bo10-qs-ps	yi10-qs3	yi10-qs-ps	bo10-th8	yi10-tv8	
bo10-sxs3 (FUTURE)	bo10-octf-ps	yi10-sxs3 (FUTURE)	yi10-octf-ps	bo10-tv9	yi10-th9	
bo10-octs3 (FUTURE)	bo10-octd-ps	yi10-octs3 (FUTURE)	yi10-octd-ps	bo10-th10	yi10-tv10	
bo10-dods3 (FUTURE)	bo10-gqt-ps	yi10-dods3 (FUTURE)	yi10-gqt-ps	bo10-tv11	yi10-th11	
bo10 focussing decapoles (FUTURE)		yi10 focussing decapoles (FUTURE)		bo10-th12	yi10-tv12	
bo10 defocussing decapoles (FUTURE)		yi10 defocussing decapoles (FUTURE)		bo10-tv13	yi10-th13	
SPARE		SPARE		bo10-th14	yi10-tv14	
PSIF-11A-01	PSIF-11A-02	PSIF-11A-03	PSIF-11A-04	PSIF-11A-05	PSIF-11A-06	
BLOWER	BLOWER	BLOWER	BLOWER	BLOWER	BLOWER	BLOWER

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-11A-06 ASSY.	94028481
1		5	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-11A-05 ASSY.	94028480
1		4	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-11A-04 ASSY.	94028479
1		3	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-11A-03 ASSY.	94028478
1		2	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-11A-02 ASSY.	94028477
1		1	LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-11A-01 ASSY.	94028476

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

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

Q.A. CATEGORY	A-3	DATE	
DRAWN BY	Phil Pape	8/27/97	
CHECKED BY			
DESIGN APPROVAL			
ENGINEER APPROVAL	R. MICHNOFF	8/27/97	
SUPVR. APPROVAL			

NEXT ASSEMBLY

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

RHIC CONTROLS

ALCOVE 1011A

RACKS R011A01-R011A07 ASSEMBLY

SIZE D | 94028475 | REV. A

DRAWING NUMBER

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

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

R011A07
MAGNET ELECTRICAL

R011A06
MAGNET ELECTRICAL

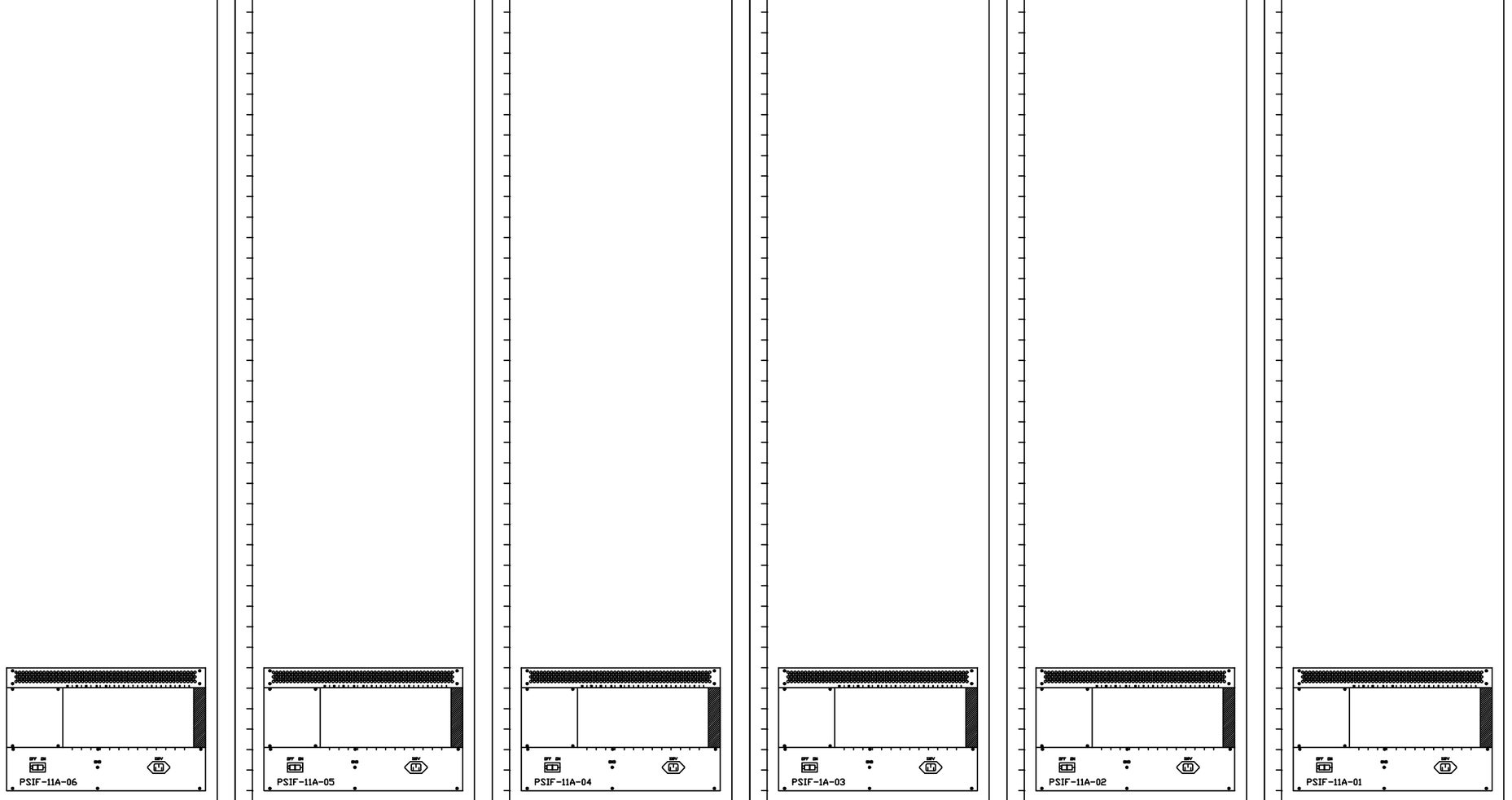
R011A05
MAGNET ELECTRICAL

R011A04
MAGNET ELECTRICAL

R01103
MAGNET ELECTRICAL

R011A02
MAGNET ELECTRICAL

R011A01
MAGNET ELECTRICAL



REAR VIEW

-3	-2	-1	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°

OUTSTANDING ECN

NA
FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3		DATE
DRAWN BY	Phil Pape	8/27/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	8/27/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

RHIC CONTROLS

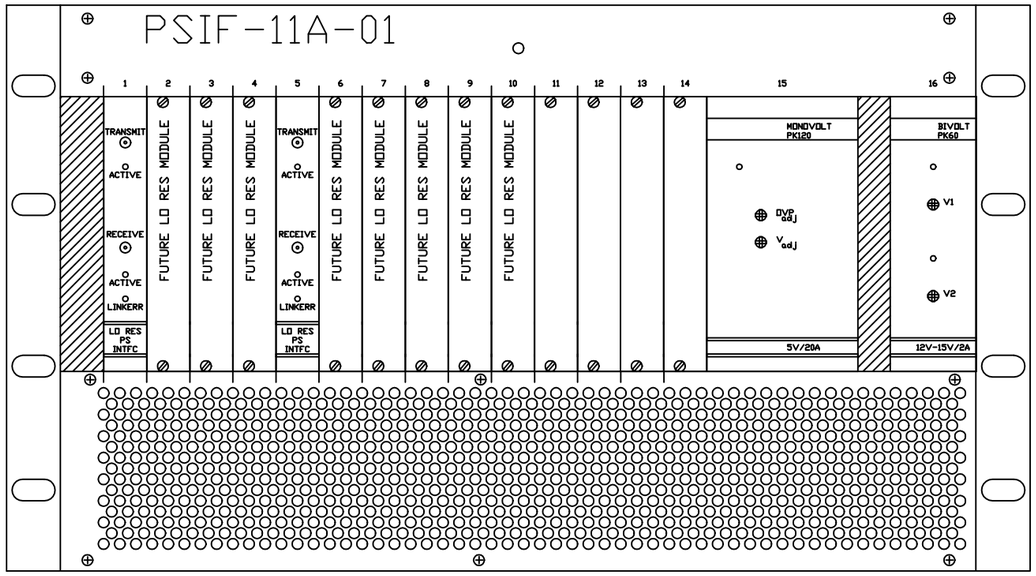
ALCOVE 1011A

RACKS R011A01–R011A07 ASSEMBLY

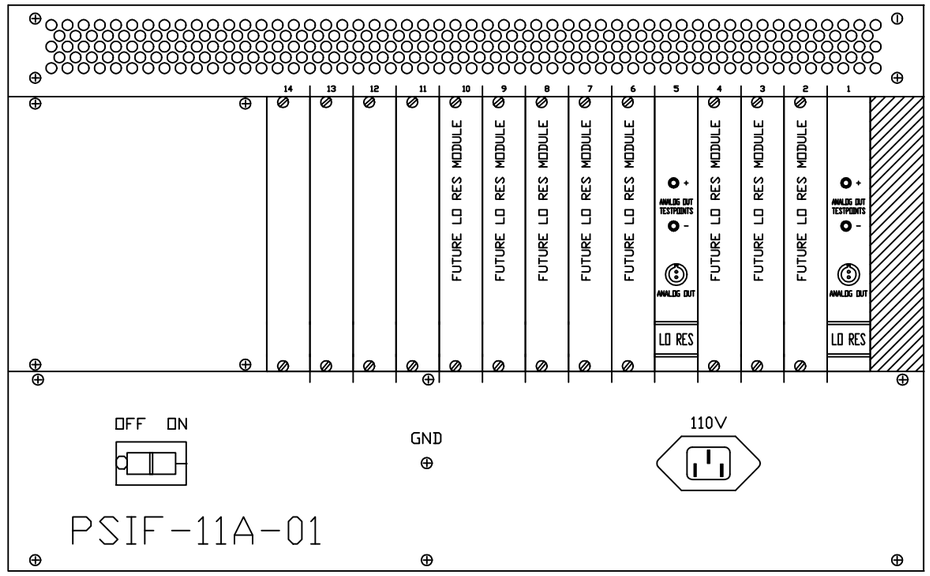
SIZE D
94028475
REV. A
DRAWING NUMBER

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./PNL NO.
			24	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
			2	SLOT 1.5	3	LD RES PS INTERFACE TRANSITION MODULE	94028198
			2	SLOT 1.5	2	LD RES PS INTERFACE MODULE	94028191
			1	N/A	1	3U LD 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	8/27/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	8/27/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

RHIC CONTROLS, ALCOVE 1011A

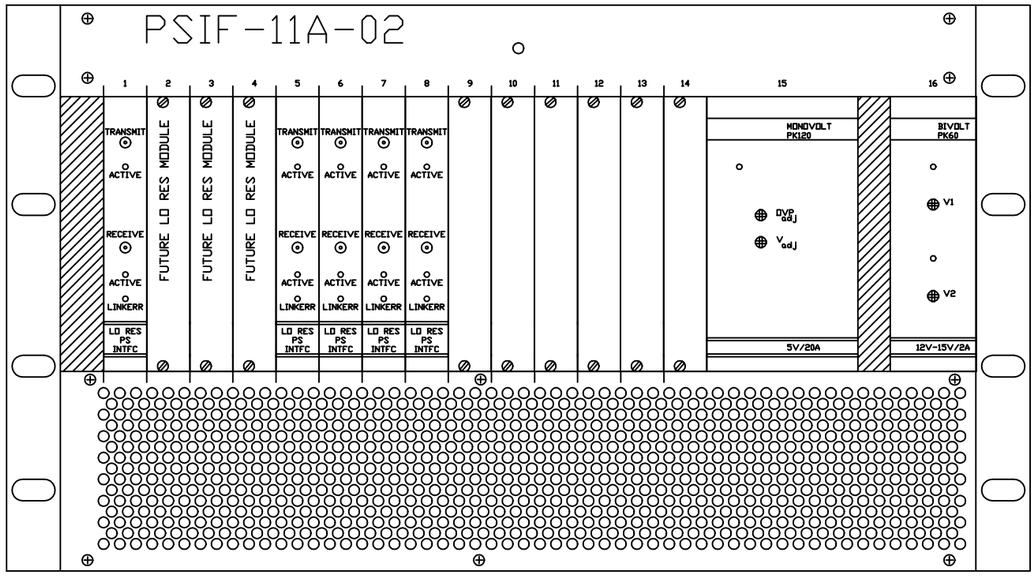
RACK R011A01, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-11A-01 ASSY

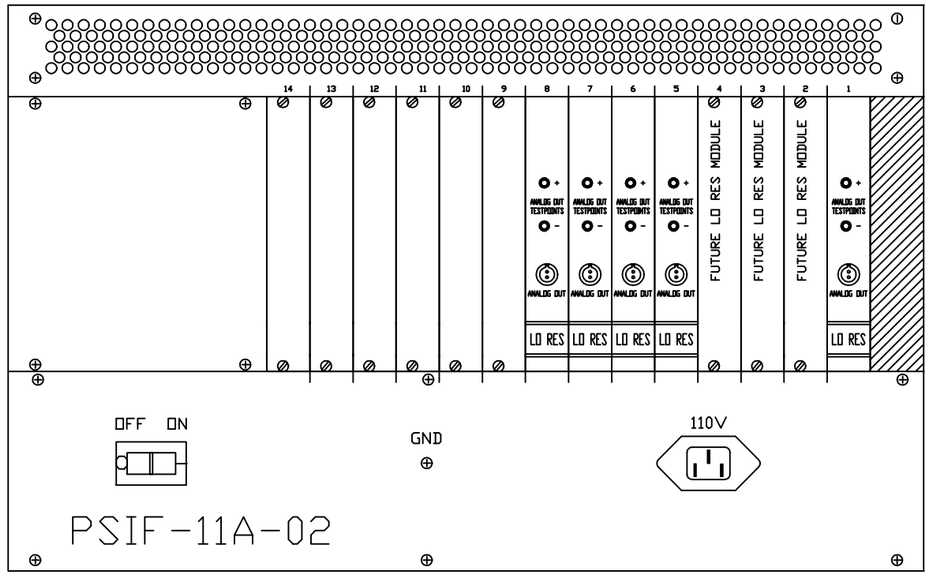
SIZE D | DRAWING NUMBER 94028476 | REV. A

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

1 *AUTOCAD



FRONT VIEW



REAR VIEW

NOTES:
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./PNL NO.
		18	SEE NOTE 1	4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		5	SLOT 1,5-8	3	LD RES PS INTERFACE TRANSITION MODULE	94028198
		5	SLOT 1,5-8	2	LD RES PS INTERFACE MODULE	94028191
		1	N/A	1	3U LD 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

		DATE
DRAWN BY	Phil Pape	8/27/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	8/27/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

RHIC CONTROLS, ALCOVE 1011A

RACK R011A02, LOW RES PWR SPLY INTERFACE

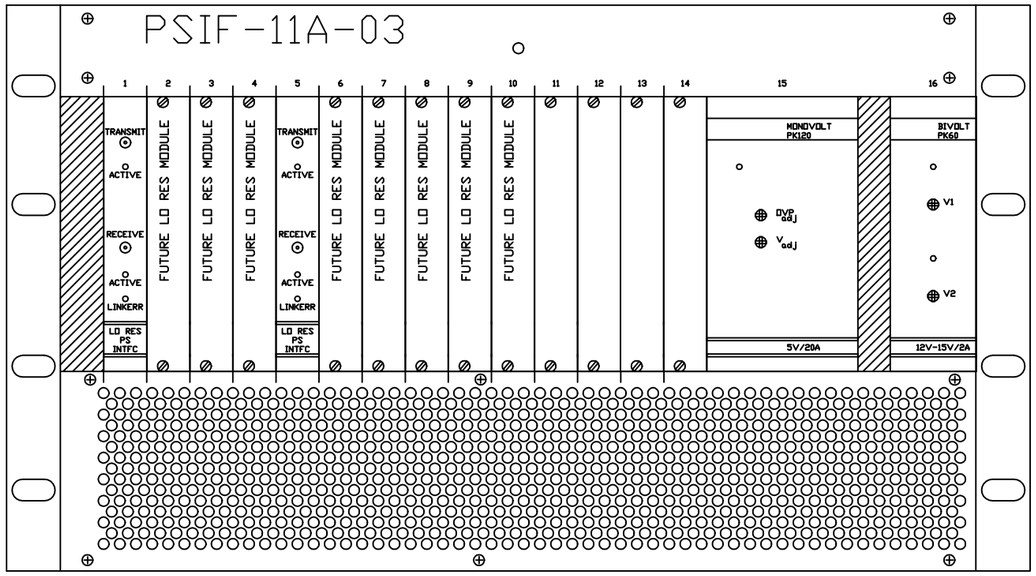
CHASSIS PSIF-11A-02 ASSY

SIZE D | DRAWING NUMBER 94028477 | REV. A

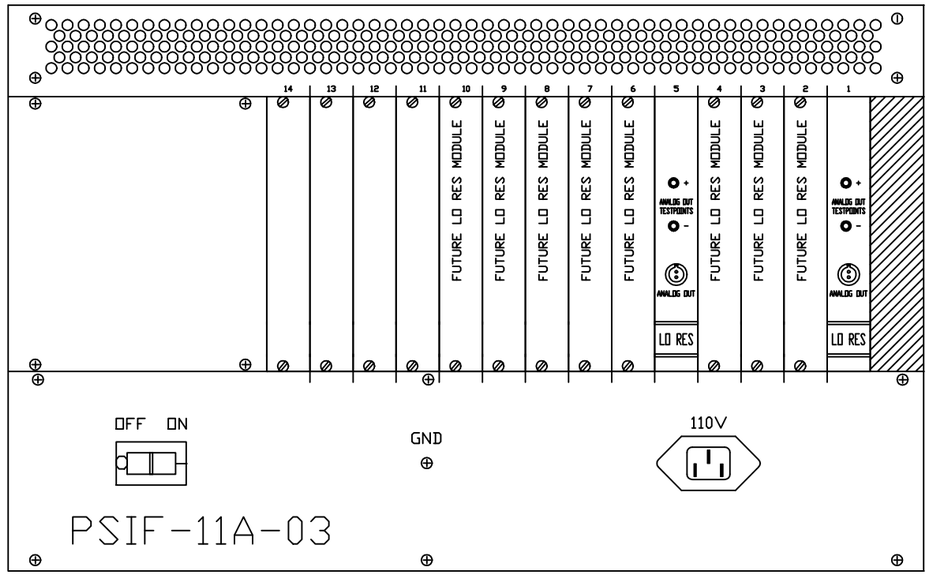
MATERIAL: ——— SCALE: NA WEIGHT: — SHEET 1 OF 1

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



FRONT VIEW



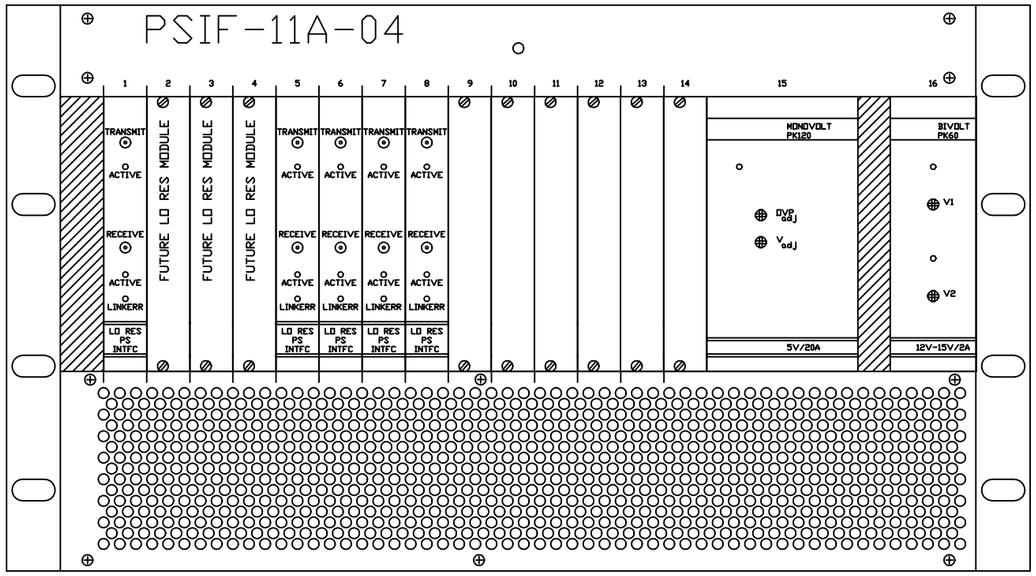
REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

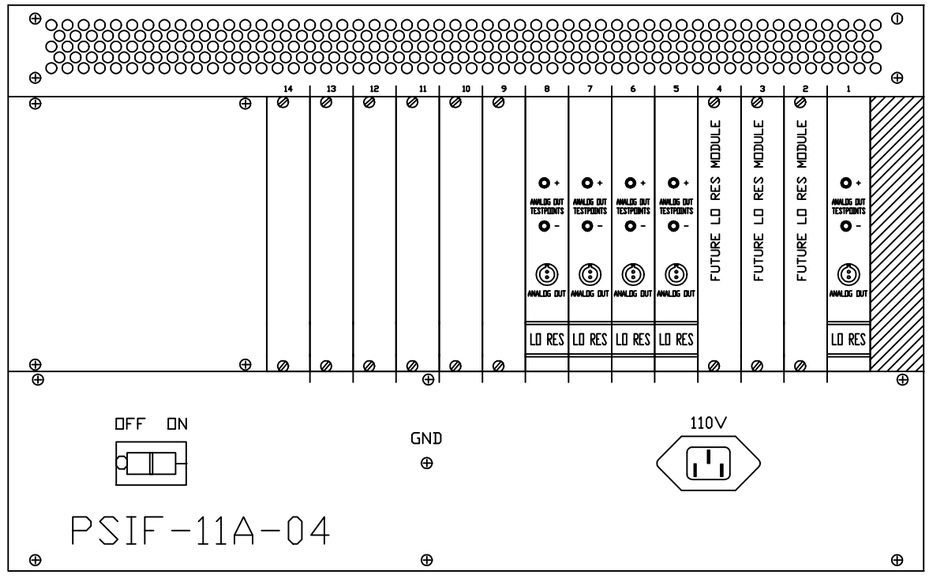
-3	-2	-1	QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./DWG NO.
		24	SEE NOTE 1		4	3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549)	
		2	SLOT 1,5		3	LD RES PS INTERFACE TRANSITION MODULE	94028198
		2	SLOT 1,5		2	LD RES PS INTERFACE MODULE	94028191
		1	N/A		1	3U LD RES POWER SUPPLY INTERFACE 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 DECIMAL TOLERANCES X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	DRAWN BY: Phil Pape	8/27/97	RHIC CONTROLS, ALCOVE 1011A	
	CHECKED BY:		RACK R011A03, LOW RES PWR SPLY INTERFACE	
	DESIGN APPROVAL:		CHASSIS PSIF-11A-03 ASSY	
	ENGINEER APPROVAL: R. MICHNOFF	8/27/97		
	SUPVR. APPROVAL:		SIZE D — 94028478 — 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



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.
		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

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	8/27/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	8/27/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

RHIC CONTROLS, ALCOVE 1011A

RACK R011A04, LOW RES PWR SPLY INTERFACE

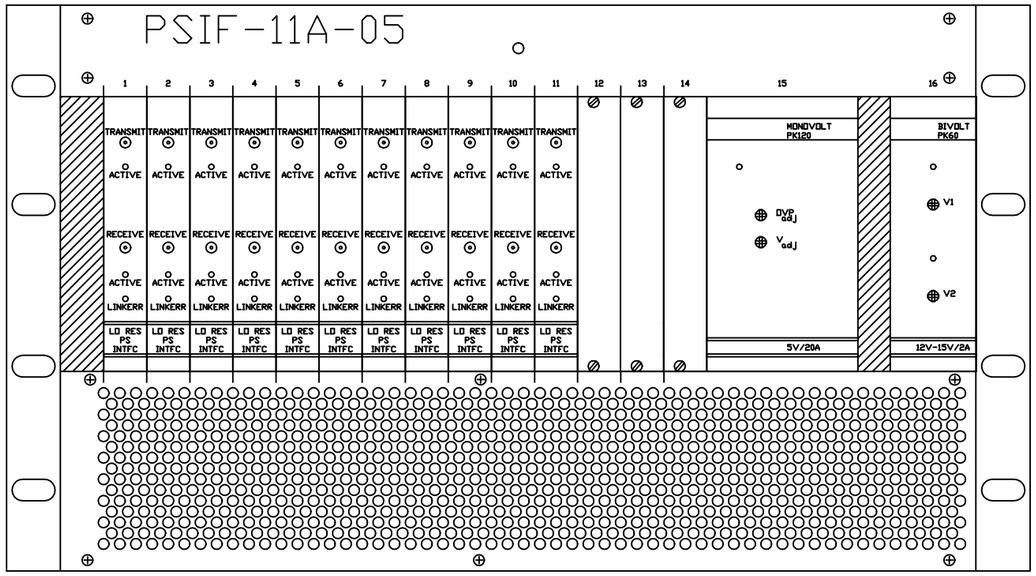
CHASSIS PSIF-11A-04 ASSY

SIZE D | 94028479 | REV. A

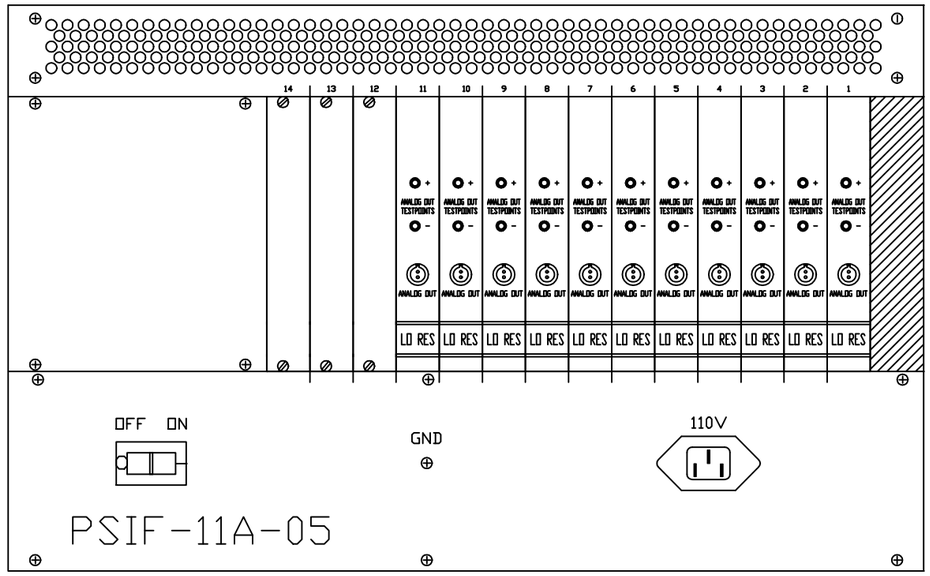
DRAWING NUMBER

MATERIAL: ——— SCALE: NA 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.
		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°

FINISH: NA

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

DRAWN BY	Phil Pape	8/27/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	8/27/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

RHIC CONTROLS, ALCOVE 1011A

RACK R011A05, LOW RES PWR SPLY INTERFACE

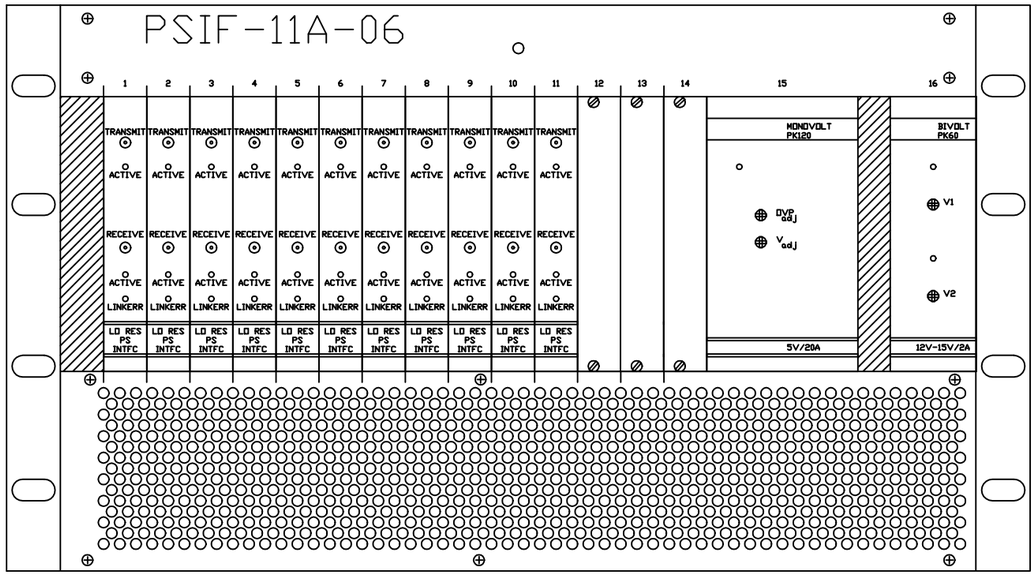
CHASSIS PSIF-11A-05 ASSY

SIZE D | DRAWING NUMBER 94028480 | REV. A

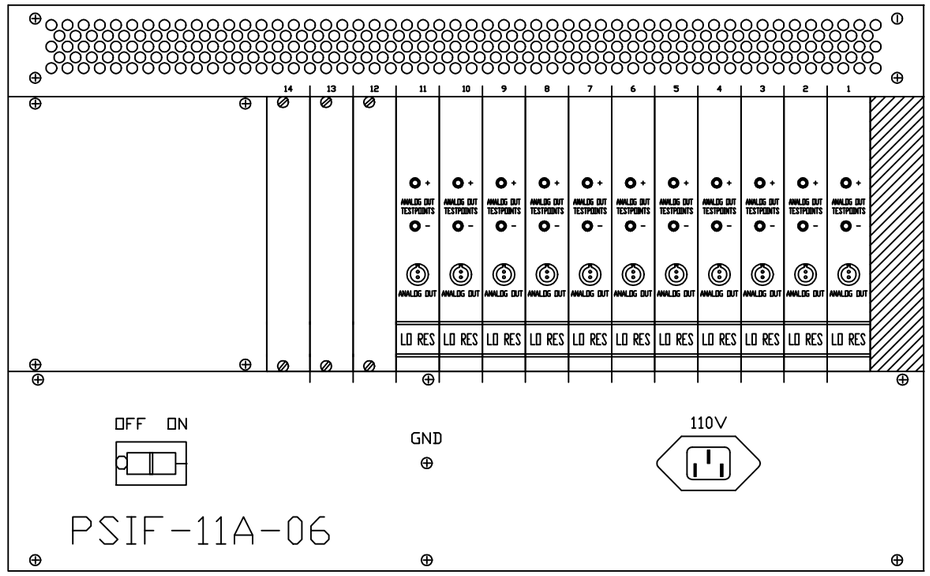
MATERIAL: ——— SCALE: NA WEIGHT: — SHEET 1 OF 1

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	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

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	8/27/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	8/27/97
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

RHIC CONTROLS, ALCOVE 1011A

RACK R011A06, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-11A-06 ASSY

SIZE D — 94028481 — REV. A

DRAWING NUMBER

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

8 7 6 5 4 3 2 1 *AUTOCAD