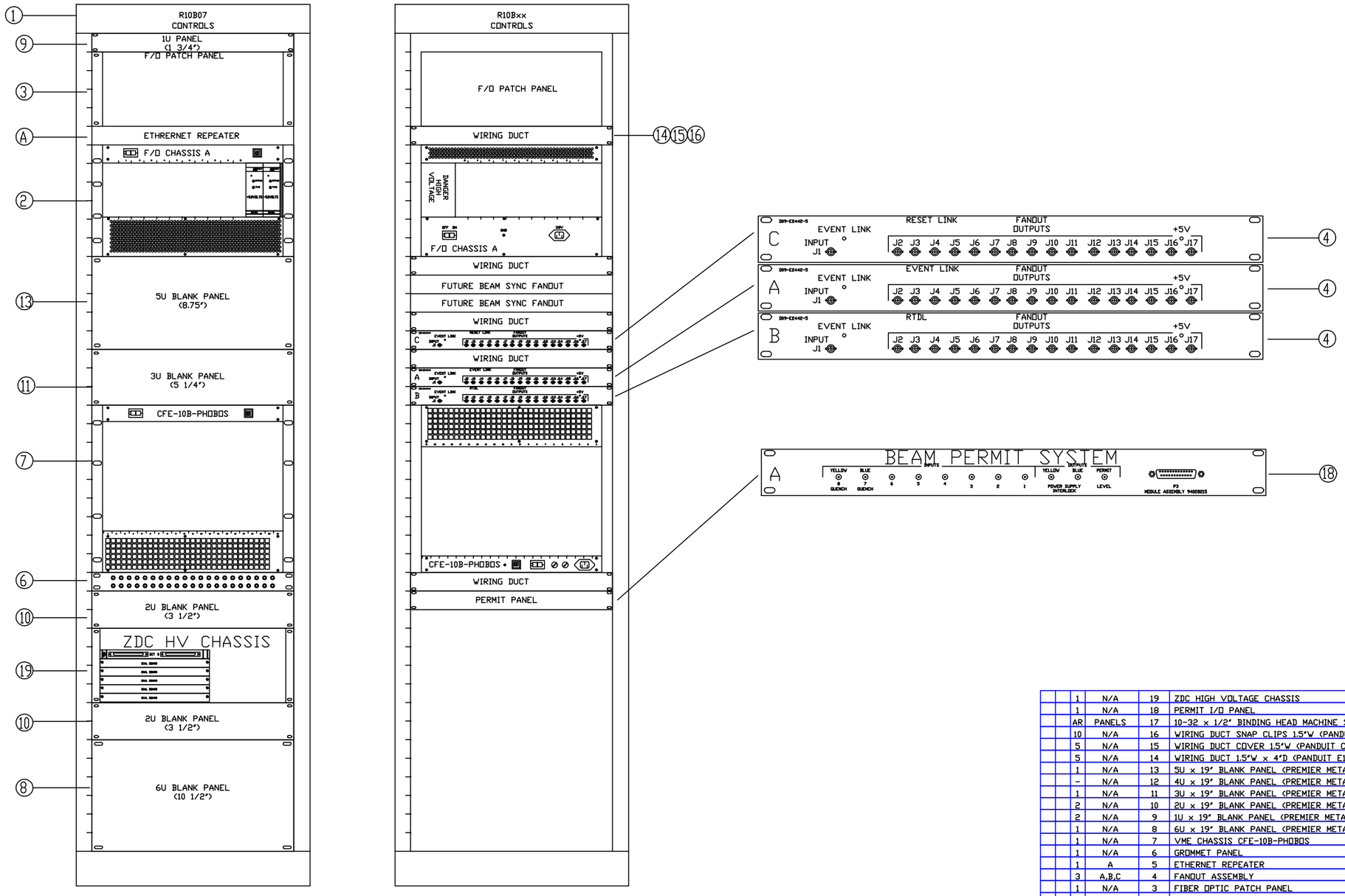
REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

Controls 7/27/99 8:57 AMPHOBOS_RACK.dwg



QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BPM. NO.
		1	N/A	19	ZDC HIGH VOLTAGE CHASSIS	xxx-xxx
		1	N/A	18	PERMIT I/O PANEL	94028215
		AR	PANELS	17	10-32 x 1/2" BINDING HEAD MACHINE SCREWS	T-32276
		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
		1	N/A	13	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		-	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
		2	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	VME CHASSIS CFE-10B-PHOBOS	94028xxx
		1	N/A	6	GROMMET PANEL	X
		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	94028xxx
		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°

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3

		DATE
DRAWN BY	VENEGAS	7/27/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	7/23/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
RHIC CONTROLS
PHOBOS RACK BLDG 1010B
RACK ASSEMBLY

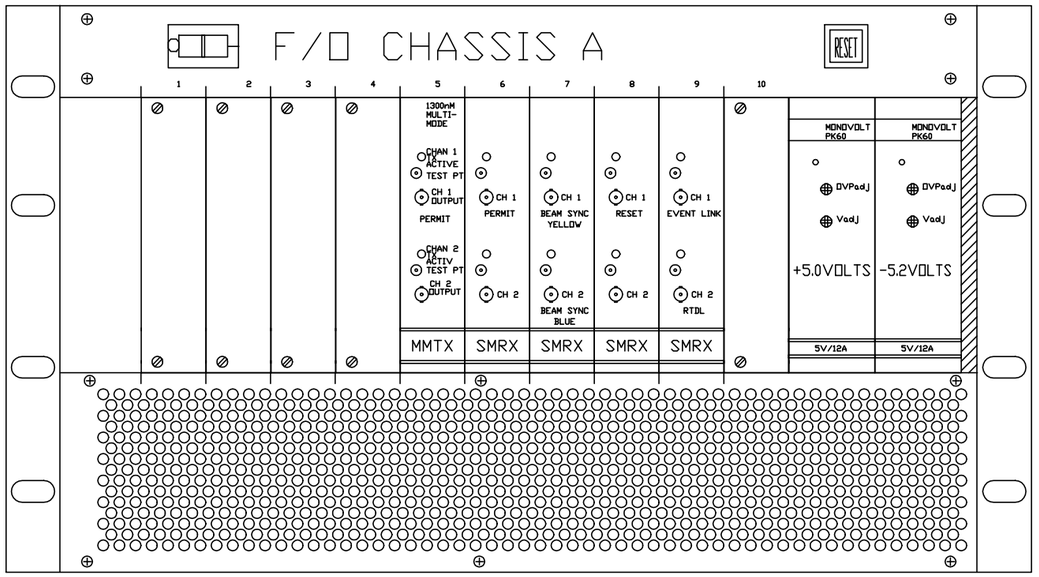
SIZE D | DRAWING NUMBER 94028xxx | REV. A

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

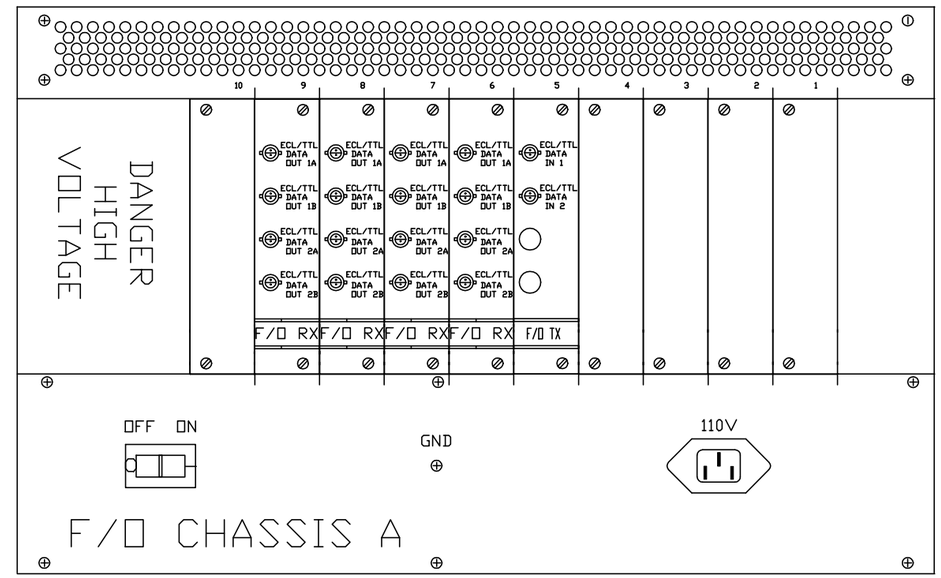
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

Controls 7/27/99 9:19 AM FO_CHASSIS.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	SLOT 2	8	3U FIBER OPTIC SINGLE MODE TRANSMITTER	94028028
		1	SLOT 7	7	3U FIBER OPTIC RECEIVER TRANSITION MODULE, ECL	D09-E2541-3
		-	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	SLOT 6-9	4	3U FIBER OPTIC RECEIVER MODULE, MULTIMODE/SINGLEMODE	94028101
		1	SLOT 5	3	1300NM F/O TRANSMITTER MULTIMODE	94028166
		1	SLOT 5	2	3U FIBER OPTIC TRANSMITTER TRANSITION MODULE	D09-E2493-3
		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°

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3		DATE
DRAWN BY	VENEGAS	7/27/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	5/21/98
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

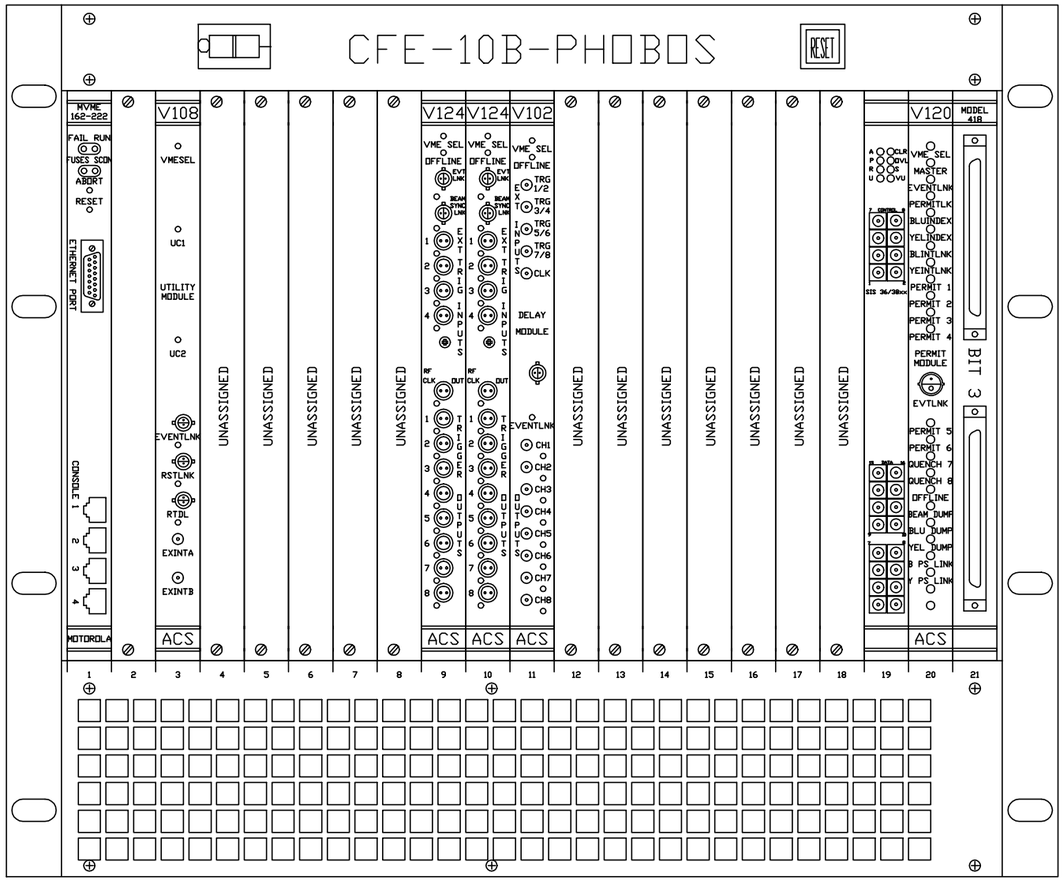
SIZE D | DRAWING NUMBER 94028xxx | REV. A

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

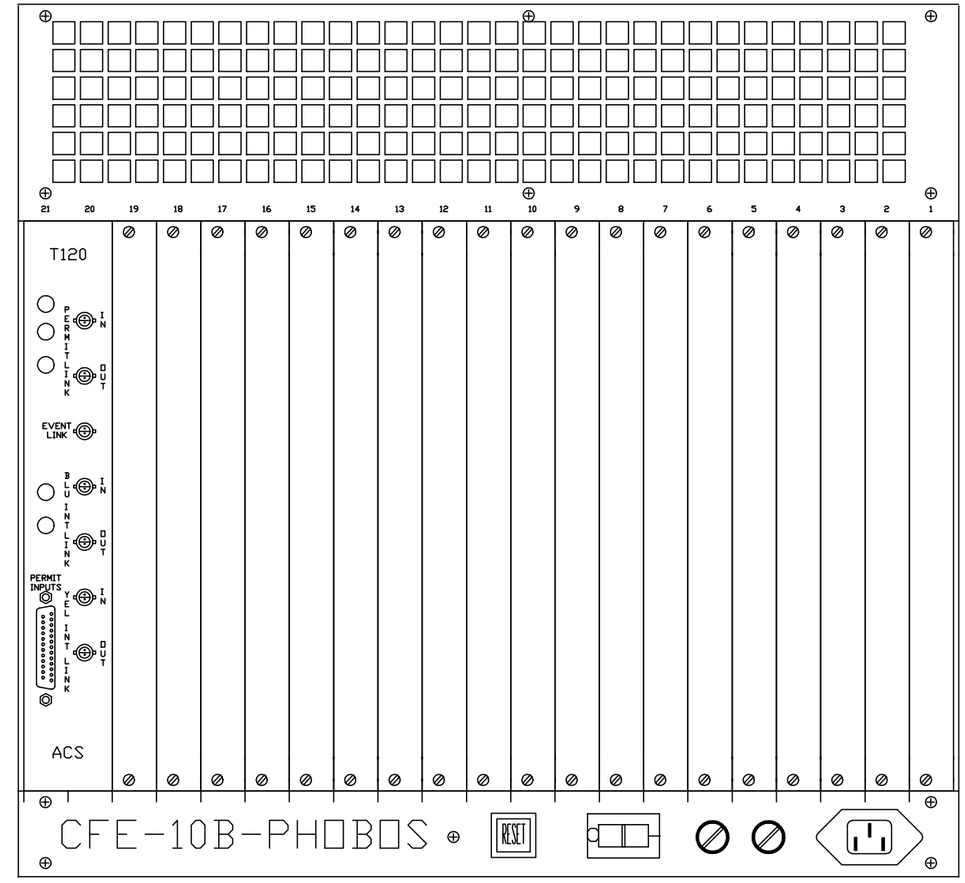
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

Controls 7/27/99 9:09 AM 10B_Phobos.dwg



FRONT VIEW



NOTE:
1. ALL UNUSED SLOTS, FRONT AND REAR.

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BPNL NO.
		-	SEE NOTE 1	13	VME BLANK PANELS (ELECTRO-SPACE ESFE-2985)	X
		1	SLOT 11	12	V102 EVENT DELAY MODULE	94028070
		1	SLOT 20,21	11	T120 RHIC PERMIT SYSTEM TRANSITION MODULE	94028202
		1	SLOT 20	10	V120 RHIC PERMIT SYSTEM MODULE	94028075-1
		1	SLOT 19	9	ZDC SCALER	X
		2	SLOT 9,10	8	V124 BEAM SYNC TRIGGER MODULE	94028432
		-	-	-	-	-
		-	-	-	-	-
		-	-	-	-	-
		1	SLOT 3	4	V108 UTILITY MODULE	94028094
		1	SLOT 21	3	VMIVME BIT 3	X
		1	SLOT 1	2	FRONT END COMPUTER	MVME 162-222
		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	VENEGAS	7/26/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS WIRING DIAGRAM

BLDG. 1010B

VME CHASSIS CFE-10B-PHOBOS

SIZE D | DRAWING NUMBER 94028XXX | REV. A

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

*AUTOCAD