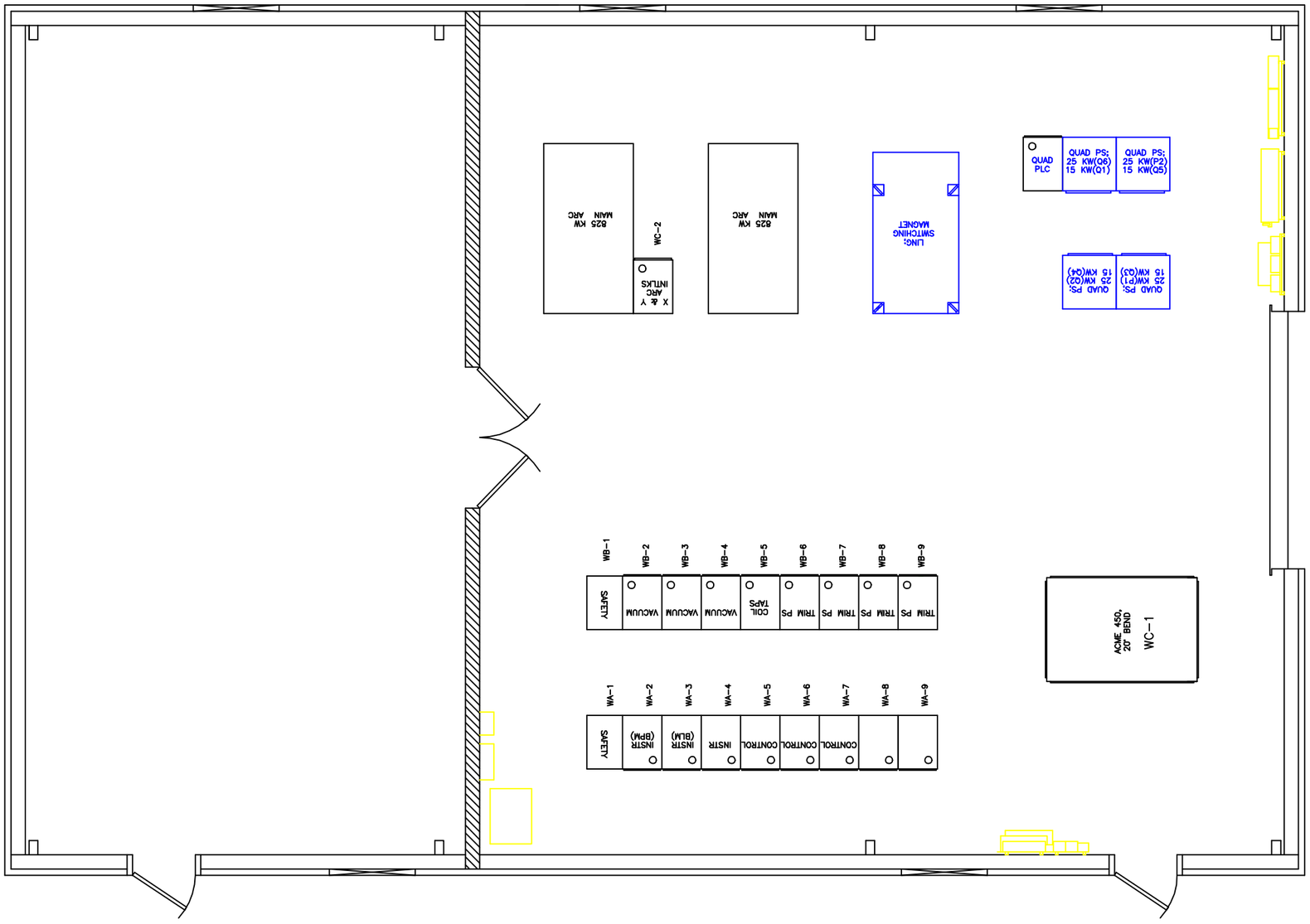
REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

ACS, BNL 11/19/99 1:40 PM 8759.dwg



QTY REQD -3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
		1	WB-4	7	BLDG. 1000P RACK WB-4 ASSY.	94028771
		1	WA-7	6	BLDG. 1000P RACK WA-7 ASSY.	94028760
		1	WA-6	5	BLDG. 1000P RACK WA-6 ASSY.	94028761
		1	WA-5	4	BLDG. 1000P RACK WA-5 ASSY.	94028763
		1	WA-4	3	BLDG. 1000P RACK WA-4 ASSY.	94028766
		1	WA-3	2	BLDG. 100P RACK WA-3 ASSY.	94028769
		1	N/A	1	RHIC CONTROLS BLDG. 1000P WIRING DIAGRAM	94028774

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

DRAWN BY	Ed Koropsak	11/19/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	Rob Michnoff	11/19/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
C-A CONTROLS

BLDG. 1000P FLOOR PLAN

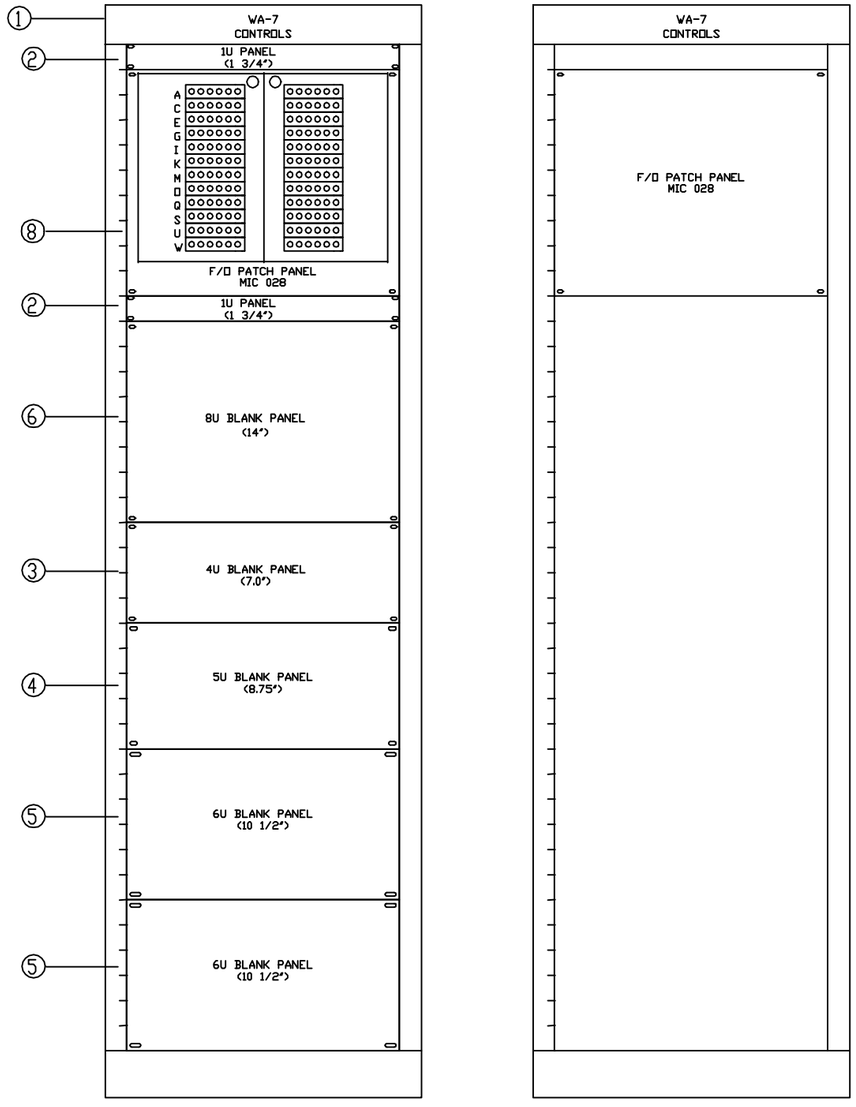
SIZE D | DRAWING NUMBER 94028759 | REV. A

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

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

ACS, BNL 11/22/99 3:44 PM 8760.dwg



FRONT VIEW

REAR VIEW

QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L SPEC. NO./DWG. NO.
		1	N/A	8	FIBER OPTIC PATCH PANEL	MIC 028
		AR	PANELS	7	10-32 x 1/2" BINDING HEAD MACHINE SCREWS	T-32276
		1	N/A	6	8U x 19" BLANK PANEL (PREMIER METAL ARP-1419-553)	X
		2	N/A	5	6U x 19" BLANK PANEL (PREMIER METAL ARP-1019-553)	X
		1	N/A	4	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		1	N/A	3	4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553)	X
		2	N/A	2	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
		1	N/A	1	19" RACK, 70"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	Ed Koropsak	11/19/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	11/19/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

C-A CONTROLS

1000P

RACK WA-7 ASSEMBLY

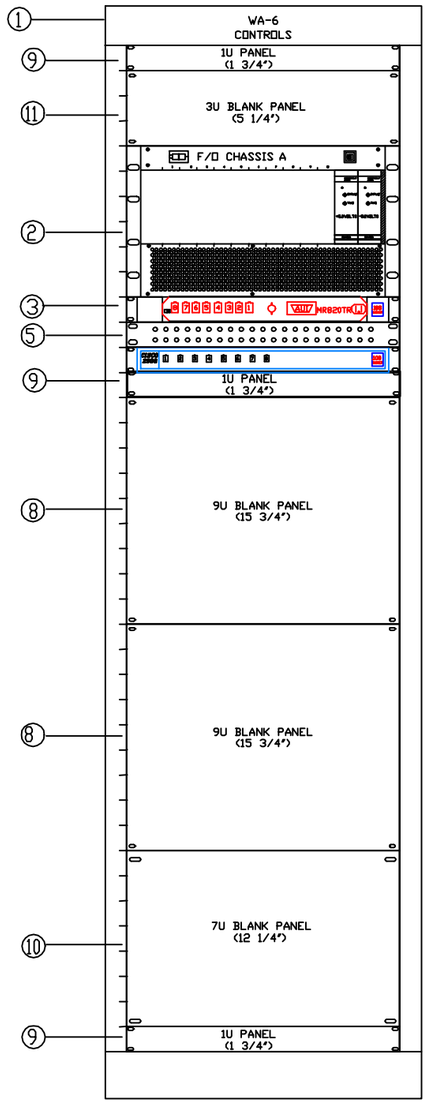
SIZE D | 94028760 DRAWING NUMBER | REV. A

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

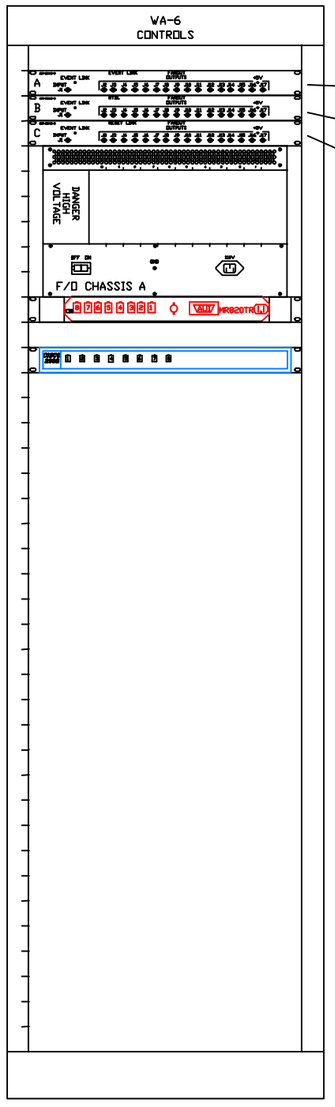
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

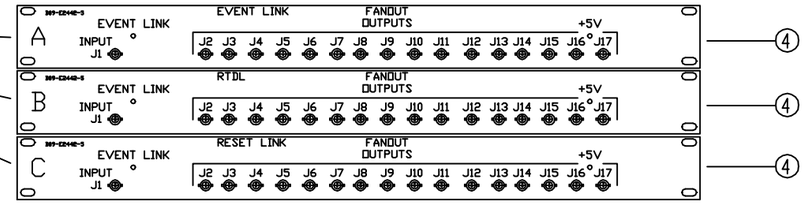
ACS, BNL 11/19/99 2:26 PM 8761.dwg



FRONT VIEW



REAR VIEW



-3 QTY REQD	-2 QTY REQD	-1 QTY REQD	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./INT. NO.
		0	N/A	13	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		0	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	7U x 19" BLANK PANEL (PREMIER METAL ARP-1119-553)	X
		3	N/A	9	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
		2	N/A	8	9U x 19" BLANK PANEL (PREMIER METAL ARP-1519-553)	X
		-		7		
		AR	PANELS	6	10-32 x 1/2" BINDING HEAD MACHINE SCREWS	T-32276
		1	N/A	5	GROMMET PANEL	X
		3	A,B,C	4	FANOUT ASSEMBLY	D09-E2442
		1	N/A	3	NETWORK HARDWARE	X
		1	N/A	2	F/O CHASSIS A	94028762
		1	N/A	1	19" RACK, 70"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	11/19/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	11/19/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

C-A CONTROLS

100P

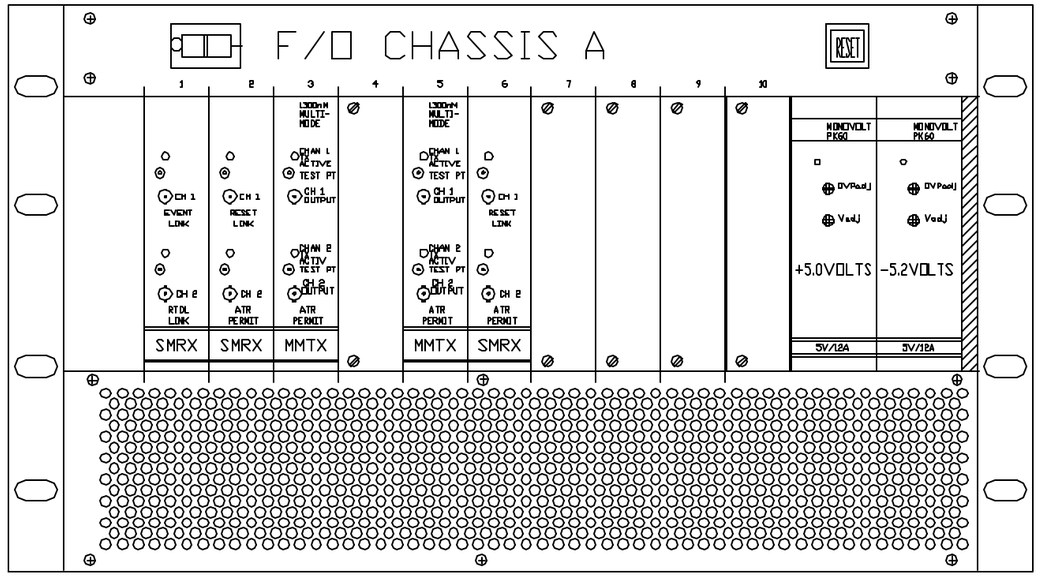
RACK WA-6 ASSEMBLY

SIZE D | DRAWING NUMBER 94028761 | REV. A

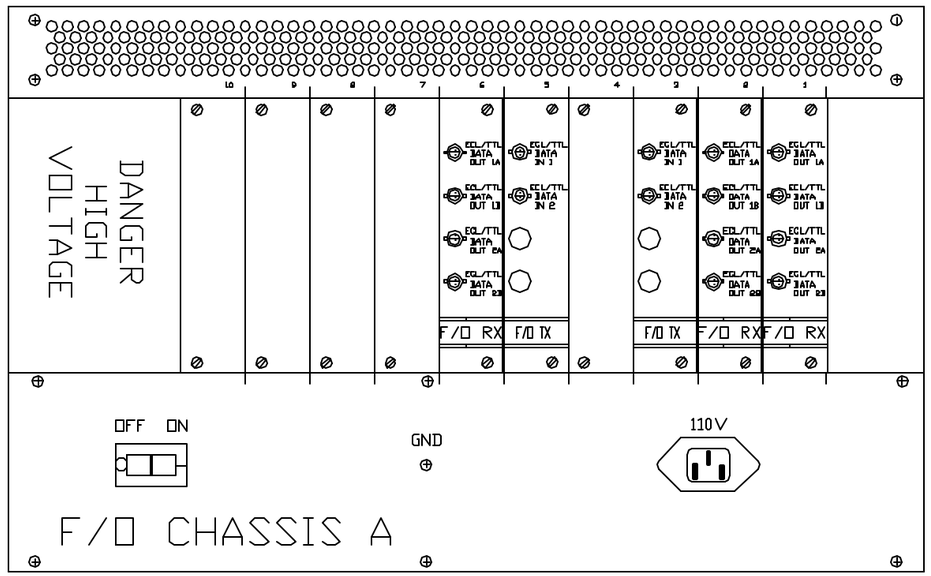
MATERIAL: ——— | SCALE: NA | WEIGHT: – | SHEET 1 OF 1

*AUTOCAD

BNL, BNL 4/6/00 4:12 PM 8762.dwg



FRONT VIEW



REAR VIEW

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

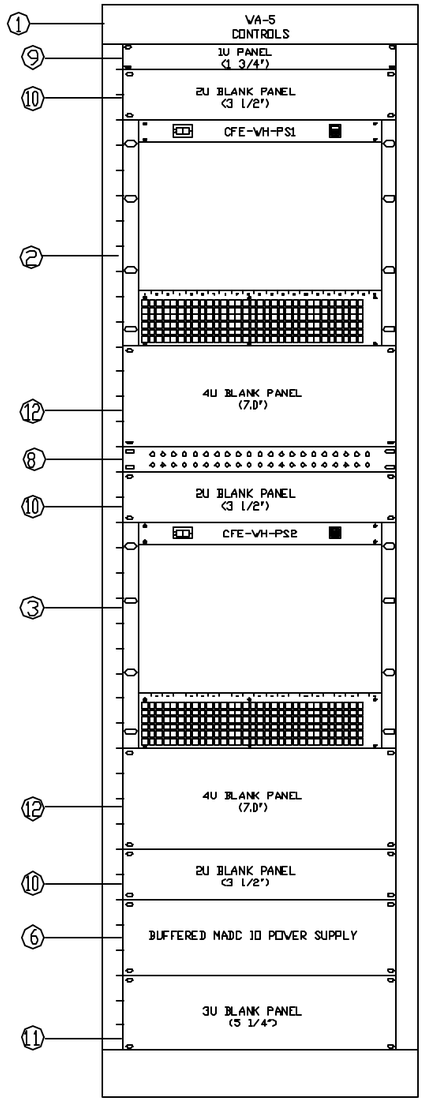
REF DESIGNATOR	ITEM NO	DESCRIPTION	MAT'L IMM NO./BNL NO.
2 SLOT 3,5	8	3U FIBER OPTIC TRANSMITTER TRANSISTION MODULE, TTL	D09-E2495-3
2 SLOT 3,5	7	3U FIBER OPTIC TRANSMITTER MODULE, MULTIMODE	94028168
14 ALL UNUSED	6	3U x 6HP BLANK PANEL (ELECTRO-SPACE ESFE-3032)	X
3 SLOT 12,6	5	3U FIBER OPTIC RECEIVER TRANSITION MODULE, TTL	D09-E2542-3
3 SLOT 12,6	4	3U FIBER OPTIC RECEIVER MODULE, MULTIMODE/SINGLEMODE	94028101
	3		
	2		
1 N/A	1	3U FIBER OPTIC CHASSIS	94028261

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	Q.A. CATEGORY A-3	DATE	BROOKHAVEN NATIONAL LABORATORY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY Ed Koropsak	11/18/99	UPTON, N.Y. 11973
DECIMAL TOLERANCES .X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	CHECKED BY		C-A CONTROLS
	DESIGN APPROVAL		1000P, RACK WA-6
	ENGINEER APPROVAL R. MICHNOFF	11/19/99	F/O CHASSIS A ASSY.
	SUPVR. APPROVAL		SIZE D — 94028762 — 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

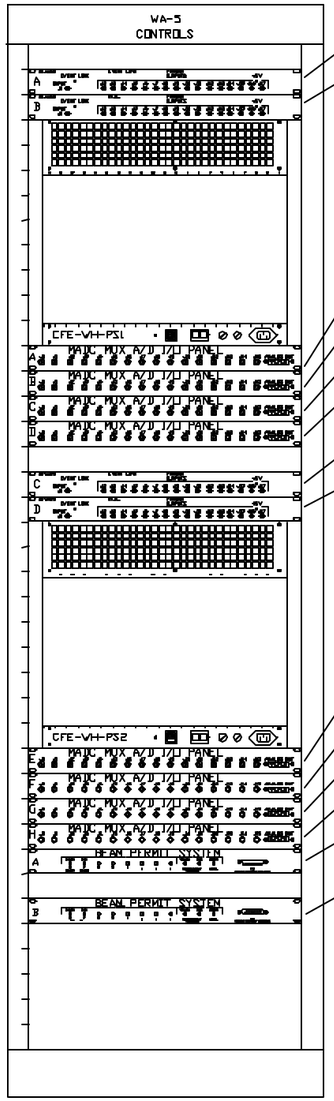
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

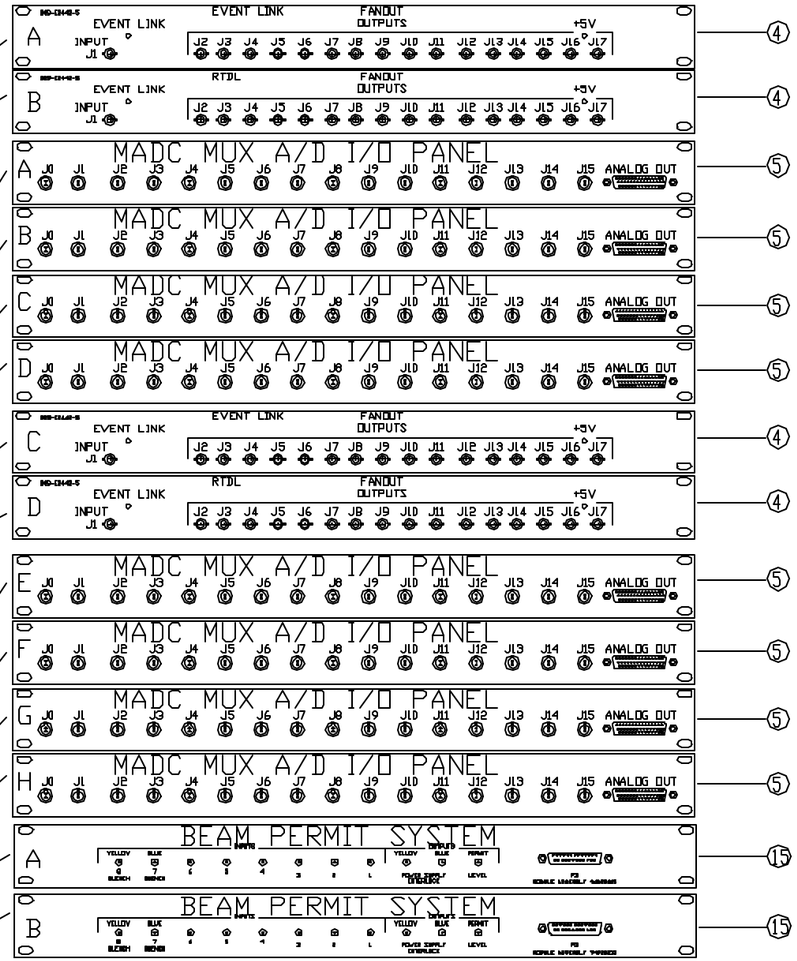
BNL, BNL 4/7/00 8:29 AM 8763.dwg



FRONT VIEW



REAR VIEW



		ITEM NO	DESCRIPTION	MFG. PART NO./DWG NO.
	0	17	AC POWER RESET MODULE	109-E2653
AR	PANELS	16	10-32 x 1/2" BINDING HEAD MACHINE SCREWS	T-32276
2	A,B	15	BEAM PERMIT SYSTEM INTERFACE PANEL	94028215
1	N/A	14	7U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
0	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
1	N/A	11	3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553)	X
3	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	GROMMET PANEL	X
–		7		
1	N/A	6	BUFFERED MADC POWER SUPPLY	1
8	A-H	5	MADC A/D I/O PANEL	94028183
4	A,B,C,D	4	FANOUT ASSEMBLY	109-E2442
1	N/A	3	VME CHASSIS CFE-VH-PS2 ASSY.	94028812
0	N/A	2	VME CHASSIS CFE-VH-PS1 ASSY.	94028764
1	N/A	1	19" RACK, 70"H RACK SPACE	X
-3 -3 -1				
DAY ADDD	REF RESOLVER			

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

QA CATEGORY A-3

DRAWN BY	Ed Koropsak	11/18/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	11/18/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

C-A CONTROLS

1000P

RACK WA-5 ASSEMBLY

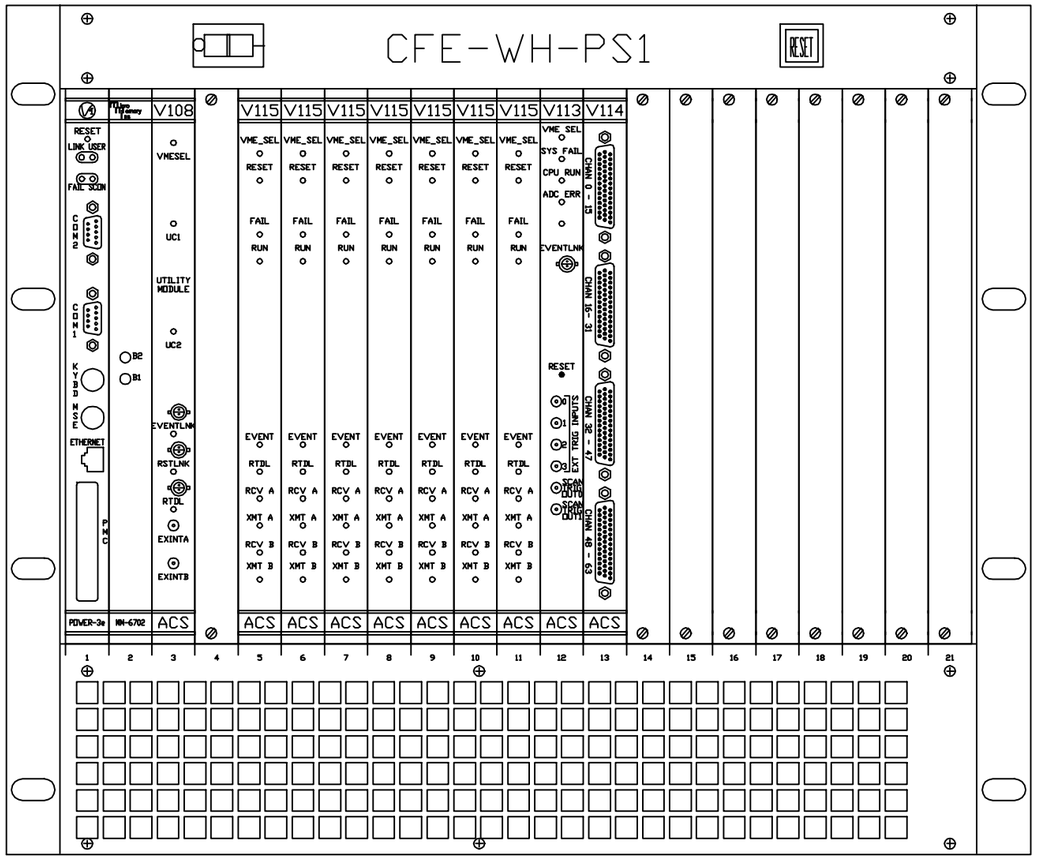
SIZE D — 94028763 — REV A
DRAWING NUMBER

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

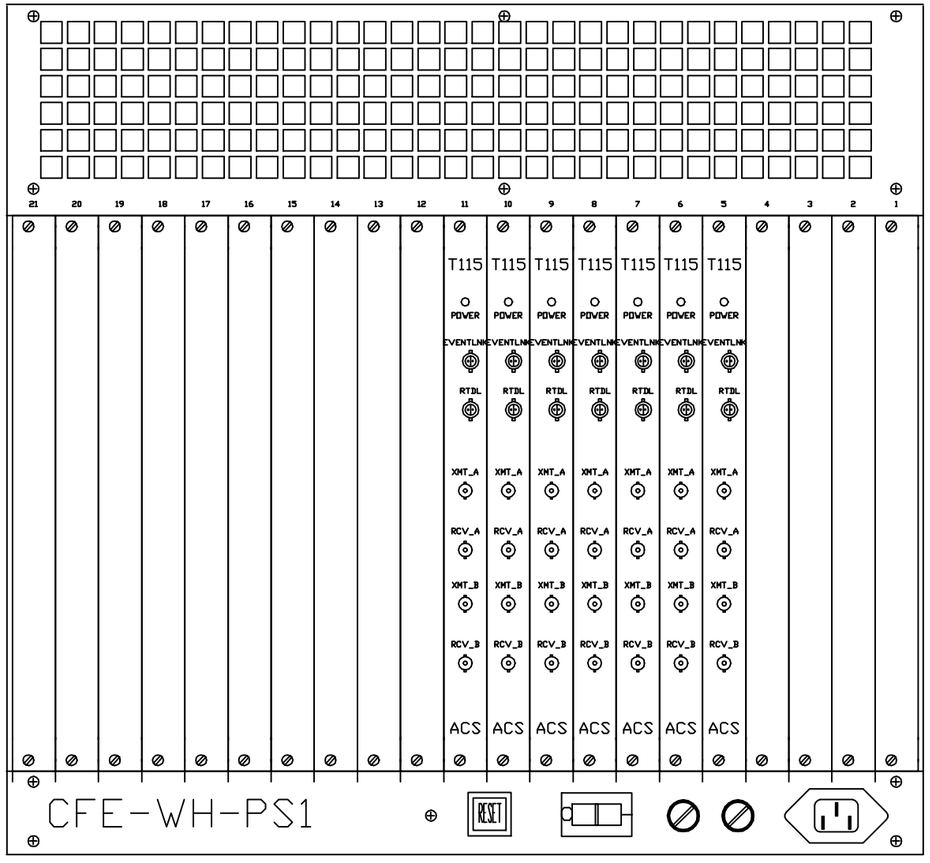
1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

ACS, BNL 2/10/00 9:43 AM 8764.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./BNL NO.
		1	SLOT 2	9	MEMORY BOARD	MM-6702
		24	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		6	SLOT 5-11	7	T115 WAVEFORM GENERATOR TRANSITION MODULE	94028126
		7	SLOT 5-11	6	V115 WAVEFORM GENERATOR MODULE	94028108
		1	SLOT 13	5	V114 MADC A/D CONVERTER MODULE	94028226
		1	SLOT 12	4	V113 MADC CONTROLLER MODULE	94028140
		1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	SLOT 1	2	FRONT END COMPUTER	POWER3e
		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

DRAWN BY	Ed Koropsak	11/19/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	11/19/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

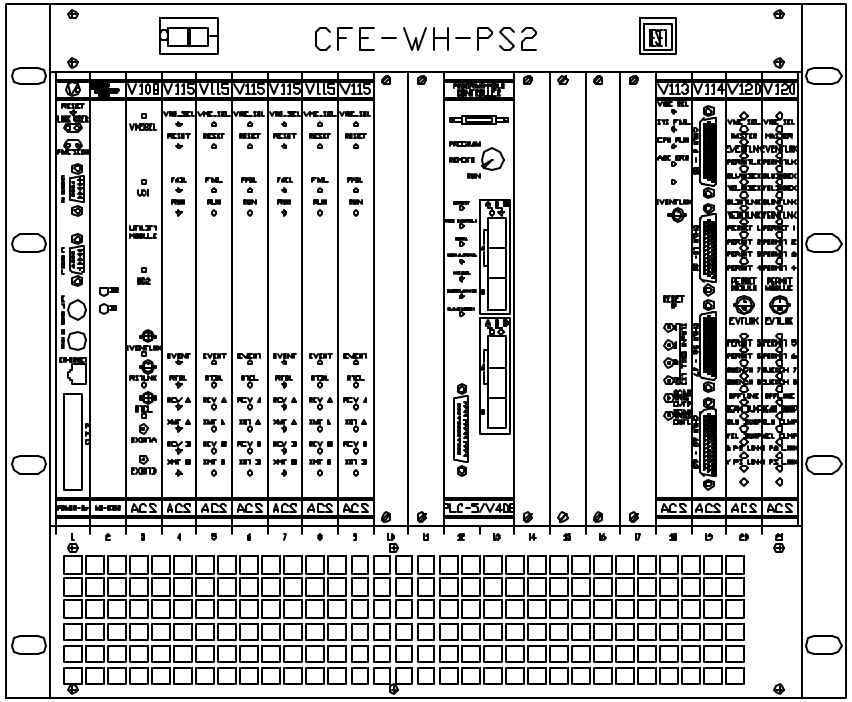
BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
C-A CONTROLS
1000P RACK WA-5
VME CHASSIS CFE-WH-PS1

SIZE D | 94028764 | REV. A

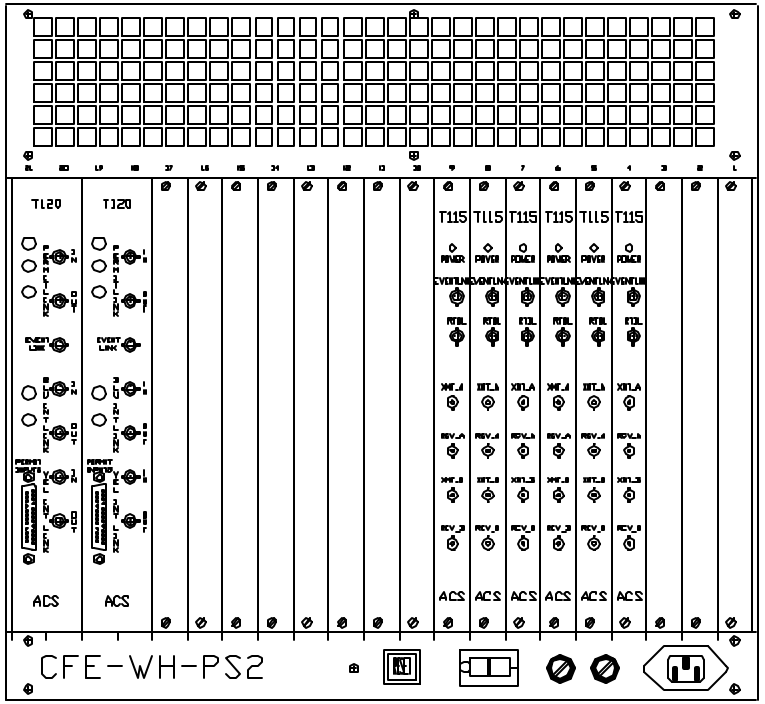
MATERIAL: ——— SCALE: NA WEIGHT: — SHEET 1 OF 1

*AUTOCAD

BNL, BNL 4/7/00 8:32 AM 8812.dwg



FRONT VIEW



REAR VIEW

NOTE:

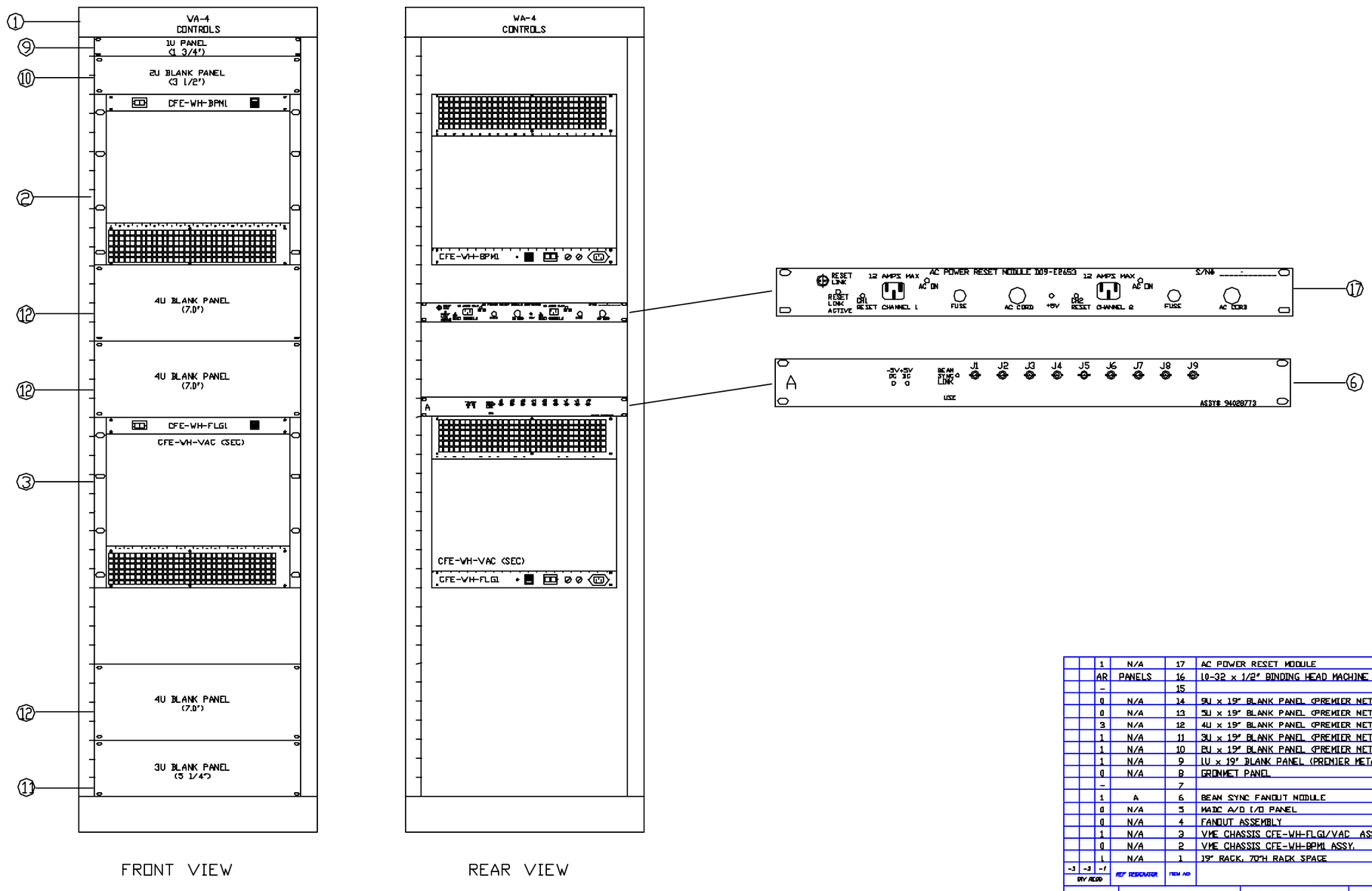
1. ALL UNUSED SLOTS, FRONT AND REAR

	1	SLOT P	1P	MEMORY MODULE	MM 6782
	1	SLOT 12, 13	11	VME PLC PROCESSOR MODULE (ALLEN BRADLEY)	PLC-5/40B
	2	SLOT 18,21	10	T120 PERMIT SYSTEM TRANSITION MODULE	94028199-2
	2	SLOT 20,21	9	V120 PERMIT SYSTEM MODULE	94028077
	21	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESTE-2985)	
	8	SLOT 4-5	7	T113 WAVEFORM GENERATOR TRANSITION MODULE	[illegible]
	6	SLOT 4-8	6	V115 WAVEFORM GENERATOR MODULE	94028109
	1	SLOT 15	5	V114 MADC A/D CONVERTER MODULE	94028226
	1	SLOT 18	4	V113 MADC CONTROLLER MODULE	94028140
	1	SLOT 3	3	V108 UTILITY MODULE	94028054
	1	SLOT 1	2	FRONT END COMPUTER	POWER2e
	1	N/A	1	VME CHASSIS	RHEC-53808880

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	D.A. CATEGORY A-3			BROOKHAVEN NATIONAL LABORATORY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY	Ed Koropsak	11/2/00	UPTON, N.Y. 11973
DECIMAL TOLERANCES .X ± .030 .XX ± .010 .XXX ± .005 ANGULAR TOLERANCE ± .5°	CHECKED BY			C-A CONTROLS
	DESIGN APPROVAL			BLDG. 1000P RACK WA-5
	ENGINEER APPROVAL	R. MICHNOFF	11/2/00	VME CHASSIS CFE-WH-PS2
NA	SHARP EDGES			SIZE D — 94028812 — REV A
FINISH	DATE XX DIM XX	NEXT ASSEMBLY		DRAWING NUMBER
				MATERIAL — SCALE NA — SHEET 1 OF 7

*AUTOCAD

BNL, BNL 4/7/00 8:35 AM 8813.dwg



FRONT VIEW

REAR VIEW

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

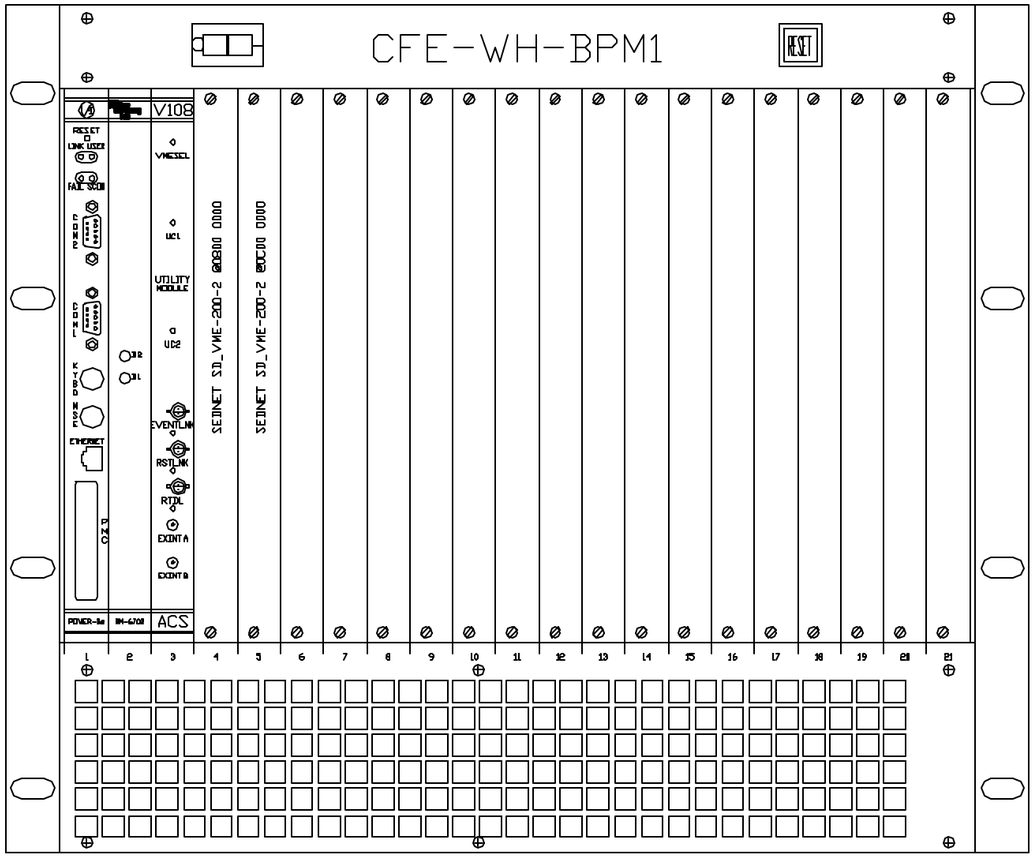
-3	-2	-1	REF DESIGNATOR	ITEM NO	DESCRIPTION	MAT'L SPEC NO./BNL NO.
		1	N/A	17	AC POWER RESET MODULE	D09-E2653
		AR	PANELS	16	10-32 x 1/2" BINDING HEAD MACHINE SCREWS	T-32276
		-		15		
		0	N/A	14	9U x 19" BLANK PANEL (PREMIER METAL ARP-1519-553)	X
		0	N/A	13	5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
		3	N/A	12	4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553)	X
		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
		1	N/A	9	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
		0	N/A	8	GROMMET PANEL	X
		-		7		
		1	A	6	BEAM SYNC FANOUT MODULE	94028773
		0	N/A	5	MADC A/D I/O PANEL	94028183
		0	N/A	4	FANOUT ASSEMBLY	D09-E2442
		1	N/A	3	VME CHASSIS CFE-WH-FLG1/VAC ASSY.	94028815
		0	N/A	2	VME CHASSIS CFE-WH-BPM1 ASSY.	94028814
		1	N/A	1	19" RACK, 70"H RACK SPACE	X

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14 24M-1989	QA CATEGORY A-3		DATE	BROOKHAVEN NATIONAL LABORATORY UPTON, N.Y. 11973	
	DRAWN BY	Ed Koropsak	11/22/99		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CHECKED BY			C-A CONTROLS	
DECIMAL TOLERANCES .X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	DESIGN APPROVAL			1000P	
	ENGINEER APPROVAL	R. MICHNOFF	11/22/99	RACK WA-4 ASSEMBLY	
	SUPVR. APPROVAL			SIZE D	94028813 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

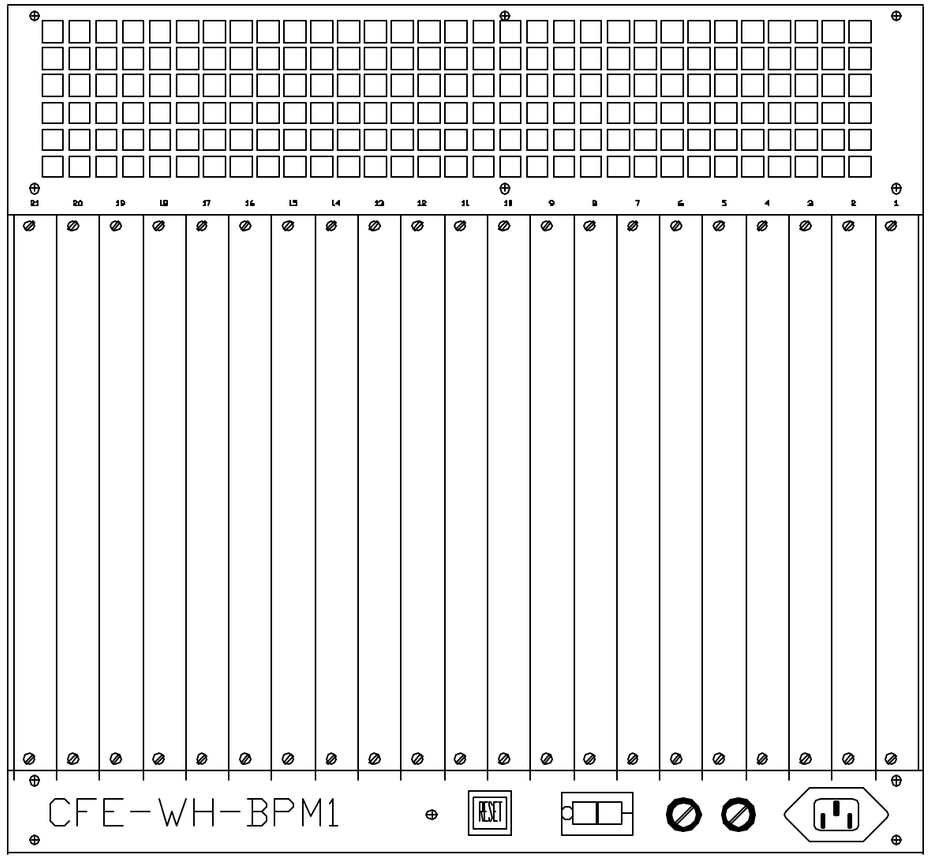
1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 4/7/00 8:37 AM 8814.dwg



FRONT VIEW



REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

-3	-2	-1	REF DESIGNATOR	ITEM NO	DESCRIPTION	MAT'L IMM NO./INL NO.
		37	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		-		7		
		-		6		
		1	SLOT 2	5	MEMORY BOARD	MM-6702
		2	SLOT 4,5	4	SEDNET SD VME-200-2	X
		1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	SLOT 1	2	FRONT END COMPUTER	POWER 3e
		1	N/A	1	VME CHASSIS	RHIC-930080DD

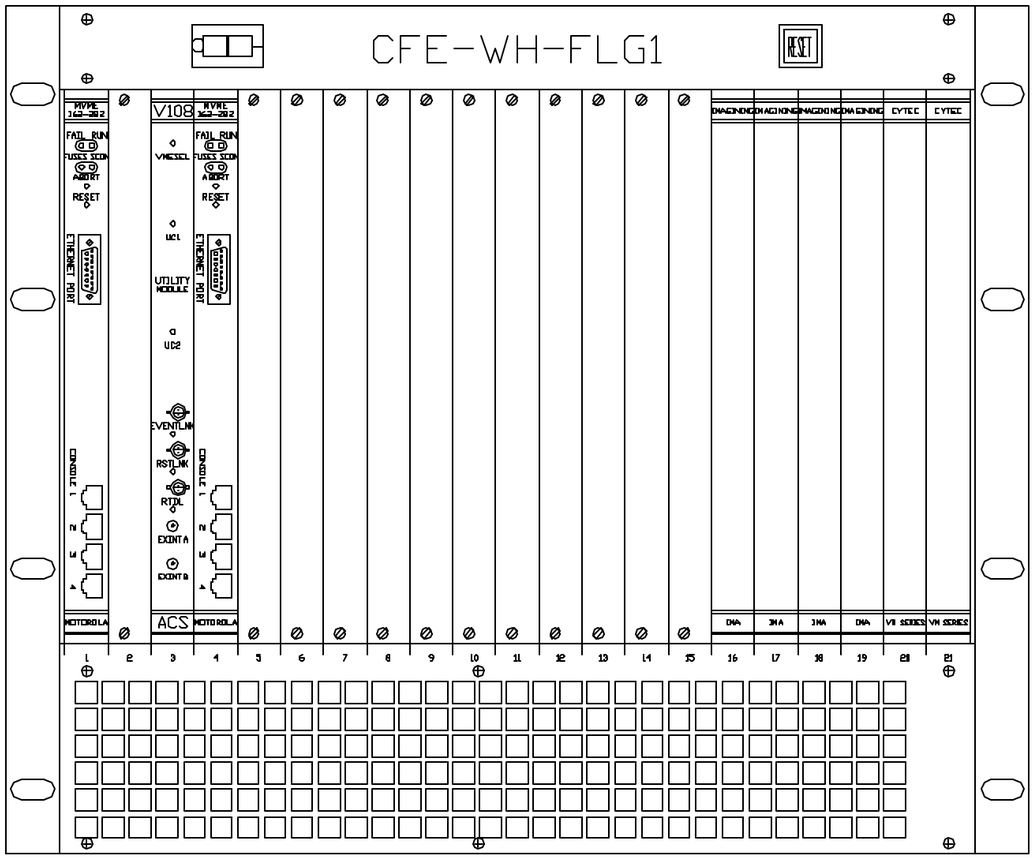
INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14 24M-1989	Q.A. CATEGORY A-3		DATE	BROOKHAVEN NATIONAL LABORATORY UPTON, N.Y. 11973
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY	Ed Koropsak	11/22/99	C-A CONTROLS
DECIMAL TOLERANCES .X ±.030 .XX ±.015 XXX ±.005	CHECKED BY			1000P RACK WA-4
ANGULAR TOLERANCE ± .5°	DESIGN APPROVAL			VME CHASSIS CFE-WH-BPM1
	ENGINEER APPROVAL	R. MICHNOFF	11/22/99	
	SUPVR. APPROVAL			SIZE D — 94028814 — REV A
OUTSTANDING ECN	NA FINISH	BREAK SHARP EDGES MAX XX MIN XX	NEXT ASSEMBLY	DRAWING NUMBER
				MATERIAL — SCALE NA — WEIGHT: - — SHEET 1 OF 1

1 *AUTOCAD

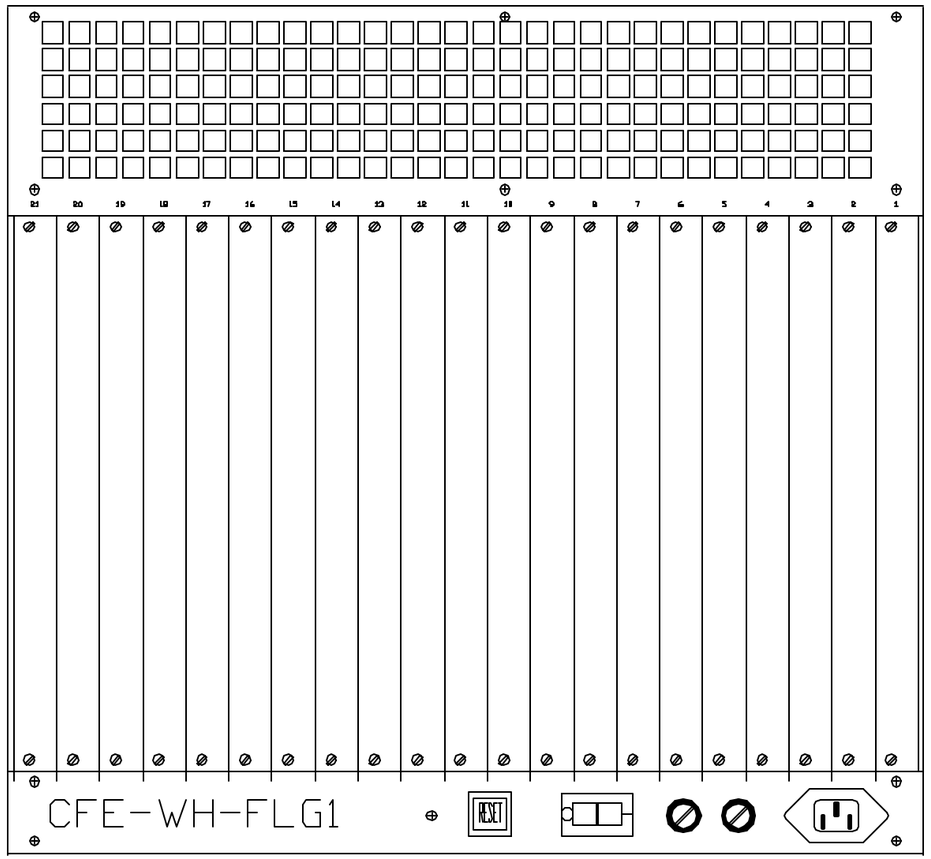
REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 4/7/00 8:38 AM 8815.dwg

CFE-WH-VAC (SEC)



FRONT VIEW



CFE-WH-VAC (SEC)
REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

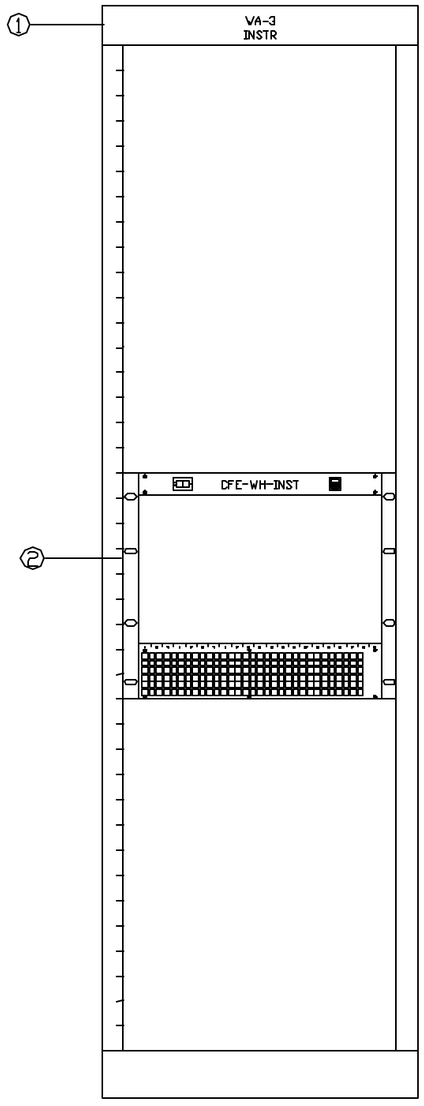
			40	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFC-2985)	
			–		7		
			–		6		
			2	SLOT 20,21	5	CYTEC BOARD	
			4	SLOT 16-19	4	INA BOARD	
			1	SLOT 3	3	V108 UTILITY MODULE	94028094
			2	SLOT 1,4	2	FRONT END COMPUTER	NVME L62-282
			1	N/A	1	VME CHASSIS	RHIC-9300800D
-3	-2	-1	REF DESIGNATOR		ITEM NO.	DESCRIPTION	MFG. PART NO./DWG. NO.
ANY ECO							

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	Q.A. CATEGORY A-3	DATE	BROOKHAVEN NATIONAL LABORATORY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: Ed Koropsak	11/22/99	UPTON, N.Y. 11973
DECIMAL TOLERANCES .X ±.030 .XX ±.015 XXX ±.008 ANGULAR TOLERANCE ± .5°	CHECKED BY:		C-A CONTROLS
	DESIGN APPROVAL:		1000P RACK WA-4
	ENGINEER APPROVAL: R. MICHNOFF	11/22/99	VME CHASSIS CFE-WH-VAC
	SUPVR. APPROVAL:		SIZE D — 94028815 — REV A
OUTSTANDING ECN	NA FINISH	BREAK SHARP EDGES MAX XX MIN XX	NEXT ASSEMBLY — DRAWING NUMBER
			MATERIAL — SCALE NA — WEIGHT: – — SHEET 1 OF 1

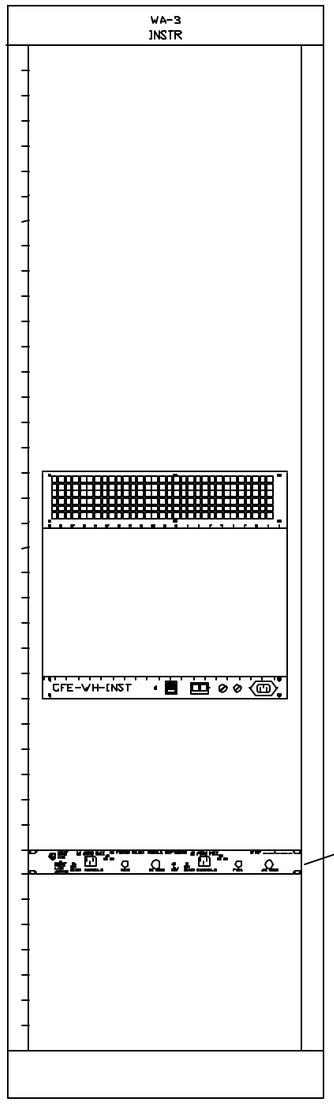
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

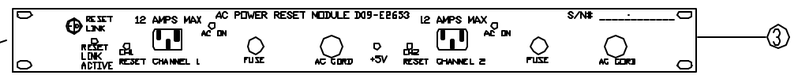
BNL, BNL 4/7/00 8:39 AM 8816.dwg



FRONT VIEW



REAR VIEW



AR	PANELS	10	10-32 x 1/2" BINDING HEAD MACHINE SCREWS	T-32276
0	N/A	9	9U x 19" BLANK PANEL (PREMIER METAL ARP-1519-553)	X
0	N/A	8	8U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)	X
0	N/A	7	4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553)	X
0	N/A	6	3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553)	X
0	N/A	5	2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553)	X
0	N/A	4	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)	X
1	N/A	3	AC POWER RESET MODULE	IX9-E2653
1	N/A	2	VME CHASSIS CFE-WH-INST ASSY.	94028817
1	N/A	1	19" RACK, 70"H RACK SPACE	X
-3 -2 -1 QTY REQD	REF DESIGNATOR	ITEM NO	DESCRIPTION	MFG. PART NO./ENG. NO.

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.008
ANGULAR TOLERANCE ± .5°

OUTSTANDING ECN

NA
FINISH

BREAK SHARP EDGES
MAX XX MIN XX

QA CATEGORY A-3

DRAWN BY	Ed Kropsak	11/22/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	11/22/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

DATE

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
C-A CONTROLS
1000P
RACK WA-3 ASSEMBLY

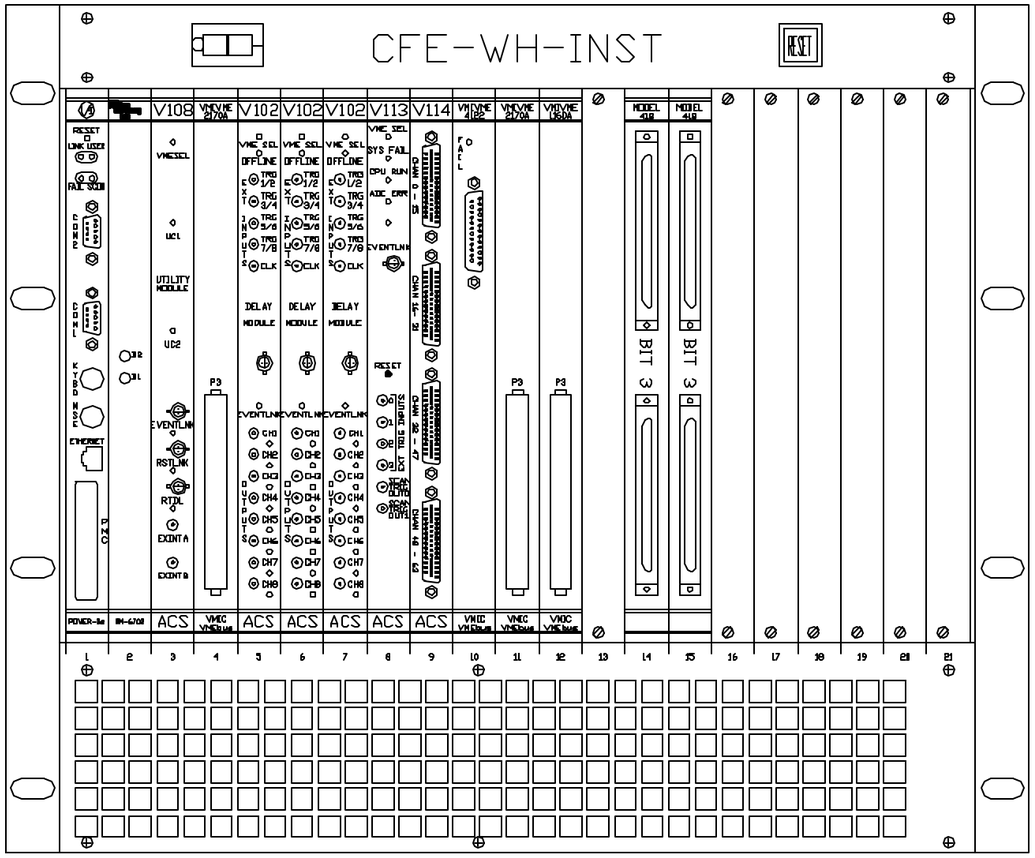
SIZE D
94028816
REV A
DRAWING NUMBER

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

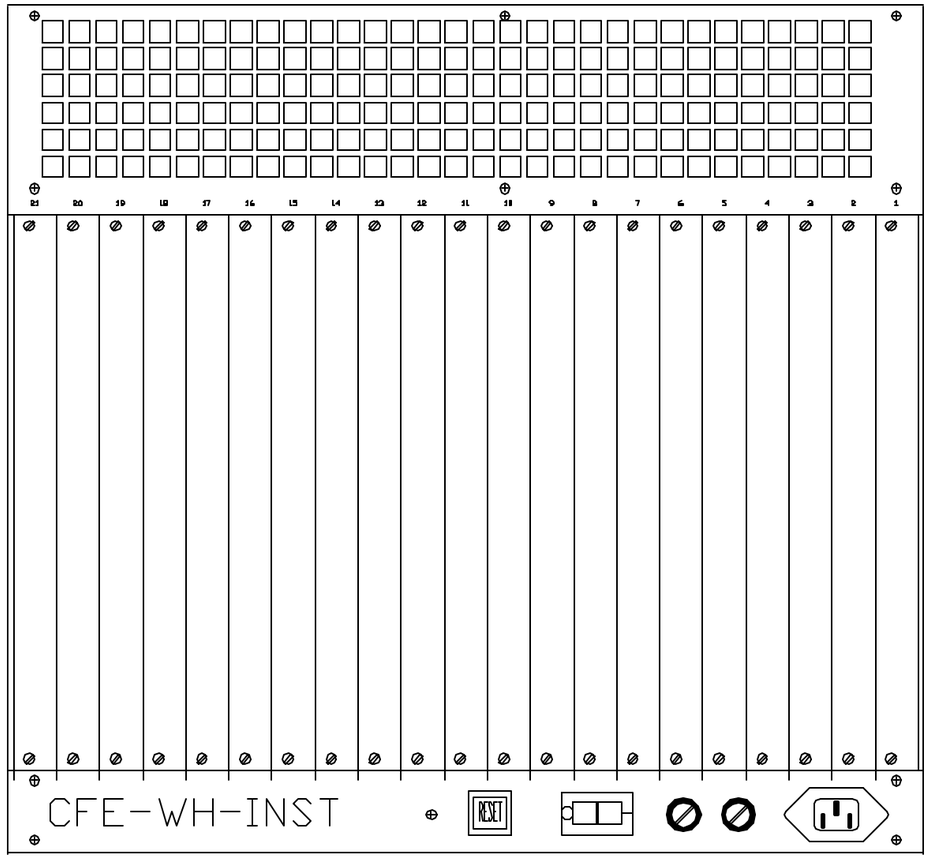
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 4/7/00 8:40 AM 8817.dwg



FRONT VIEW



REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

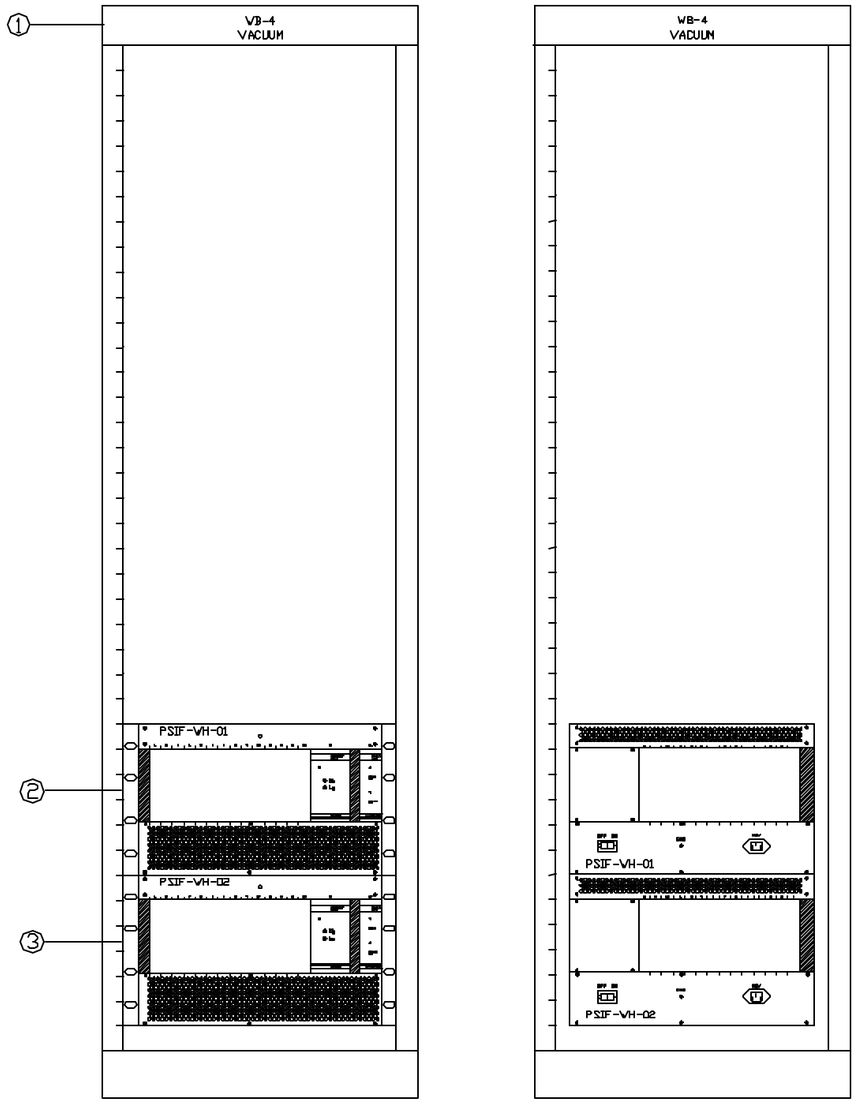
-3	-2	-1	REF DESIGNATOR	ITEM NO	DESCRIPTION	MAT'L IMM NO./BNL NO.
		1	SLOT 2	12	MEMORY MODULE	MM 6702
		2	SLOT 14,15	11	BIT 3 BUS EXTENDER	418
		3	SLOT 5,6,7	10	V102 DELAY MODULE	94028072
		1	SLOT 10	9	8 CHANNEL 12 BIT ANALOG OUTPUT	VMIVME 4122
		34	SEE NOTE 1	8	VME BLANK PANEL (ELECTRO-SPACE ESFE-2985)	
		1	SLOT 12	7	32 BIT DIGITAL INPUT	VMIVME 1160A
		2	SLOT 4,11	6	32 BIT DIGITAL OUTPUT	VMIVME 2170A
		1	SLOT 9	5	V114 NADC A/D CONVERTER MODULE	94028226
		1	SLOT 8	4	V113 NADC CONTROLLER MODULE	94028140
		1	SLOT 3	3	V108 UTILITY MODULE	94028094
		1	SLOT 1	2	FRONT END COMPUTER	POWER3e
		1	N/A	1	VME CHASSIS	RHIC-93008000

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	QA CATEGORY A-3		DATE	BROOKHAVEN NATIONAL LABORATORY
	DRAWN BY	Ed Koropsak	11/22/99	UPTON, N.Y. 11973
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CHECKED BY			C-A CONTROLS
DECIMAL TOLERANCES .X ±.030 .XX ±.015 .XXX ±.005 ANGULAR TOLERANCE ± .5°	DESIGN APPROVAL			BLDG. 1000P RACK WA-3
	ENGINEER APPROVAL	R MICHNOFF	11/22/99	VME CHASSIS CFE-WH-INST
	SUPVR. APPROVAL			SIZE D — 94028817 — REV A
OUTSTANDING ECN	NA FINISH	BREAK SHARP EDGES MAX XX MIN XX	NEXT ASSEMBLY	DRAWING NUMBER
				MATERIAL — SCALE NA — WEIGHT: — SHEET 1 OF 1

1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 4/7/00 8:45 AM 8818.dwg



FRONT VIEW

REAR VIEW

AR	PANELS	10	10-32 x 1/2" BINDING HEAD MACHINE SCREWS		T-32276
0	N/A	9	9U x 19" BLANK PANEL (PREMIER METAL ARP-1519-553)		X
0	N/A	8	8U x 19" BLANK PANEL (PREMIER METAL ARP-819-553)		X
0	N/A	7	4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553)		X
0	N/A	6	3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553)		X
0	N/A	5	2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553)		X
0	N/A	4	1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553)		X
1	B	3	LD RES PS INTFC CHASSIS B ASSY.		94028820
1	A	2	LD RES PS INTFC CHASSIS A ASSY.		94028819
1	N/A	1	19" RACK, 70"H RACK SPACE		X
-3 -2 -1 PAY RECD	REF DESIGNATOR	ITEM NO	DESCRIPTION		MFG. PART NO./DWG. NO.

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.008
ANGULAR TOLERANCE ± .5°

OUTSTANDING ECN

NA
FINISH

BREAK SHARP EDGES
MAX XX MIN XX

QA CATEGORY	A-3	DATE
DRAWN BY	Ed Koropsak	11/22/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	11/22/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
C-A CONTROLS
1000P
RACK WB-4 ASSEMBLY

SIZE	DRAWING NUMBER	REV
D	94028818	A

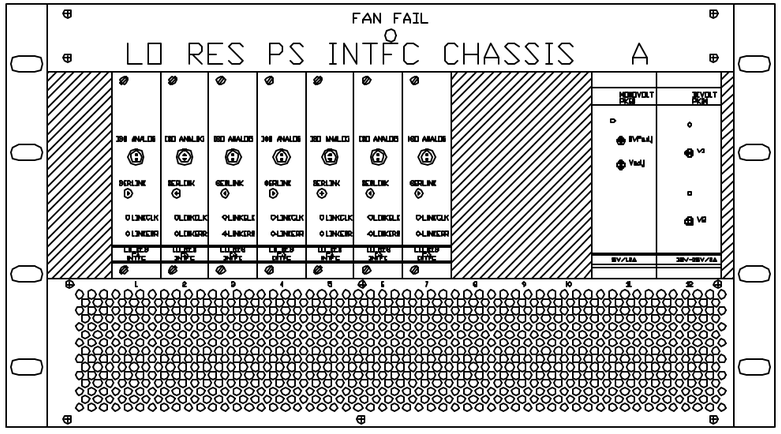
MATERIAL	SCALE NA	WEIGHT: –	SHEET 1 OF 1

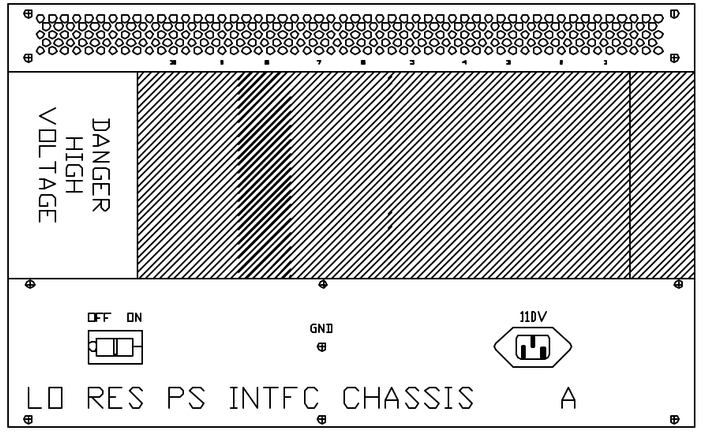
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 4/7/00 8:43 AM 8819.dwg

WTH1 WTV2 WTH3 WTH4 WTH5 WTV6 XTV1





NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

11	SEE NOTE 1	5	3U x 6HP BLANK PANEL (ELECTRO-SPACE)	
–		4		
–		3		
7	SLOT 1-7	2	LO RES PS INTERFACE MODULE	94028160
1	N/A	1	3U LO RES POWER SUPPLY INTERFACE CHASSIS	94028262
-3 -2 -1	REF DESIGNATOR	ITEM NO	DESCRIPTION	MFG. PART 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

QA CATEGORY A-3
DRAWN BY Ed Koropsak 11/2/98
CHECKED BY
DESIGN APPROVAL
ENGINEER APPROVAL R MICHNOFF 11/22/99
SUPVR. APPROVAL
NEXT ASSEMBLY

DATE

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
C-A CONTROLS, 1000P
RACK WB-4
CHASSIS PSIF-WH-01 ASSY

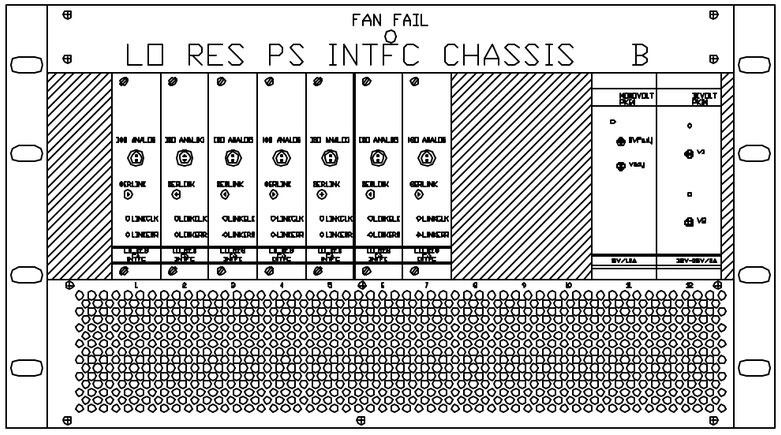
SIZE D
94028819
REV A
DRAWING NUMBER
MATERIAL ——— SCALE NA WEIGHT: – SHEET 1 OF 1

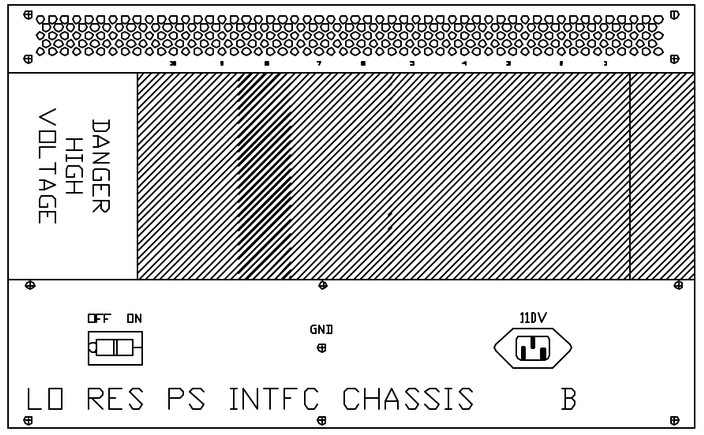
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 4/7/00 8:44 AM 8820.dwg

XTV2 XTH3 XTH4 XTV1 XTV2 XTH3 XTH4 YTV1 YTV2 YTH3 YTH4





NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

REF DESIGNATOR	ITEM NO	DESCRIPTION	MFG. PART NO./MFG. NAME
11	SEE NOTE 1	5	3U x 6HP BLANK PANEL (ELECTRO-SPACE)	
–		4		
–		3		
7	SLOT 1-7	2	LO RES PS INTERFACE MODULE	94028160
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

QA CATEGORY A-3 DATE

DRAWN BY	Ed Kropsak	11/2/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL	R. MICHNOFF	11/2/99
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
C-A CONTROLS, 1000P
RACK WB-4
CHASSIS PSIF-WH-02 ASSY

SIZE D | 94028820 | REV A
DRAWING NUMBER
MATERIAL ——— SCALE NA WEIGHT: – SHEET 1 OF 1

*AUTOCAD