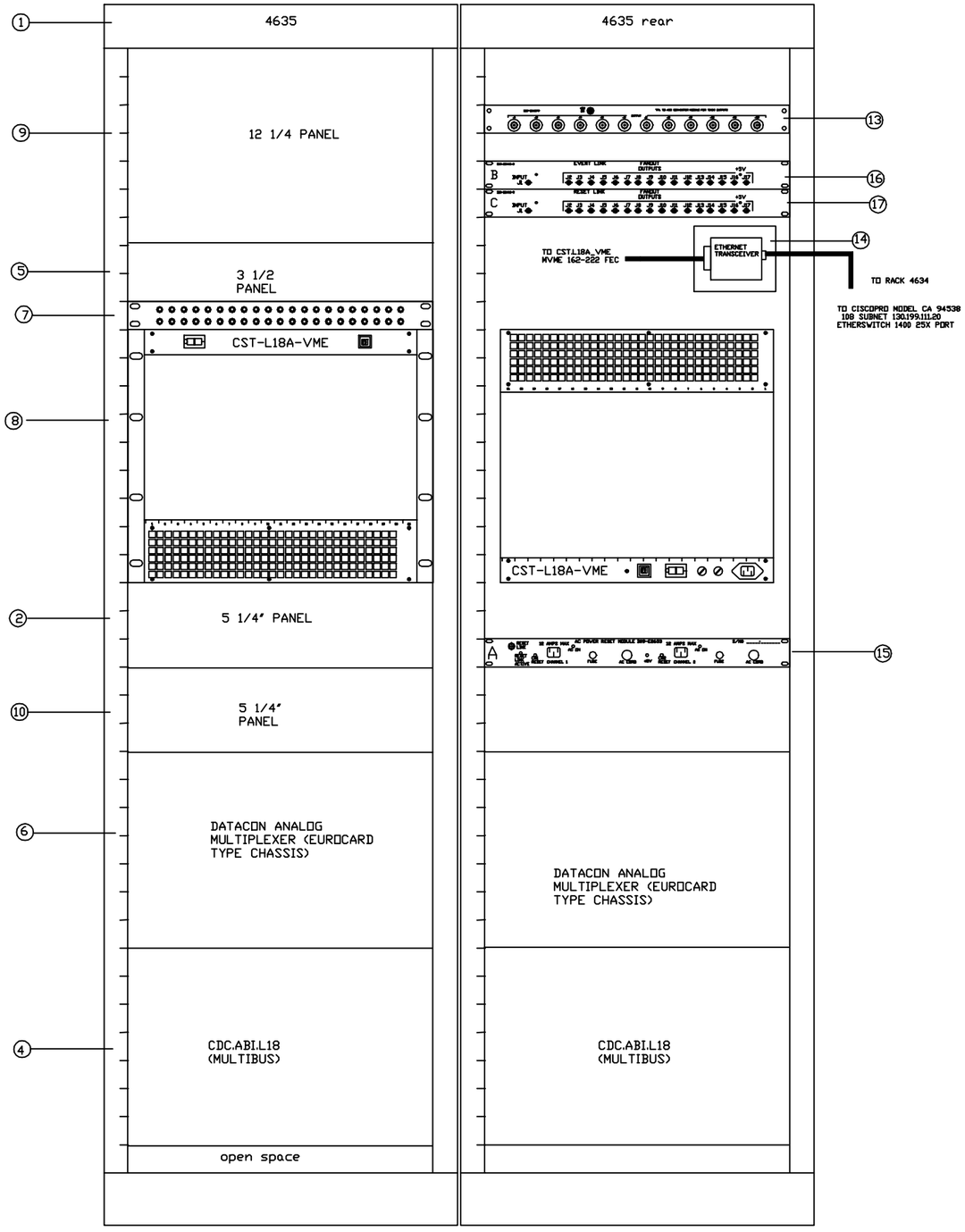
REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 12/28/00 11:16 AM D09-E-RD2819.dwg



-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BNL NO.
		2	16,17	15	EVENTLINK FANOUT MODULE	
		1	15	14	REMOTE RESET MODULE	
		1	14	13	ETHERNET TRANCEIVER	X
		1	13	12	TTL TO AGS CONVERTER	X
			12	11		X
		1	9	9	12 1/4" PANEL	X
		1	8	8	6U VME CHASSIS CST-L18A-VME	X
		1	7	7	GROMMET PANEL	X
		1	6	6	DATACON ANALOG MULTIPLEXER	X
		1	5	5	3 1/2" PANEL	X
		1	4	4	CDC.ABI.L18	X
			3	3		X
		2	2,10	2	5 1/4" PANEL	X
		1	1	1	70" RACK	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
DRAWN BY	JAPPE	1/18/2000
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
CA Division
L18A Rack Layout
CST-L18A-VME

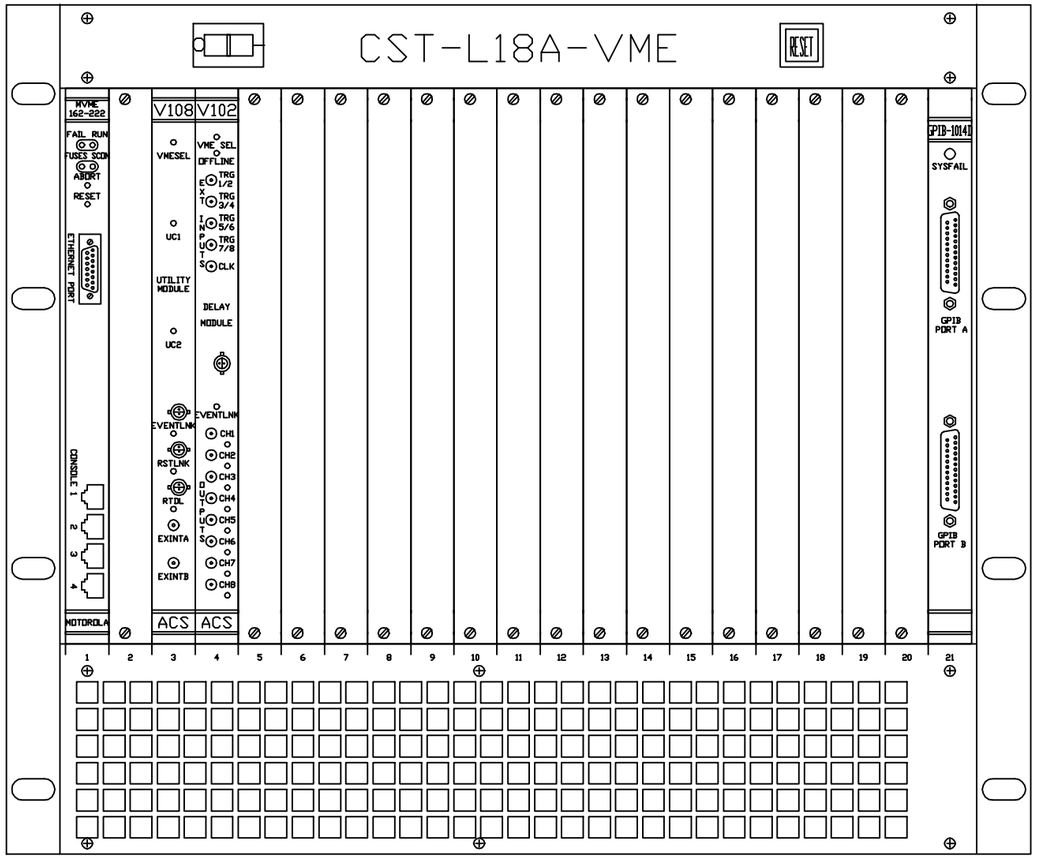
SIZE A | DRAWING NUMBER D09-E-RD2819 | REV. A

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

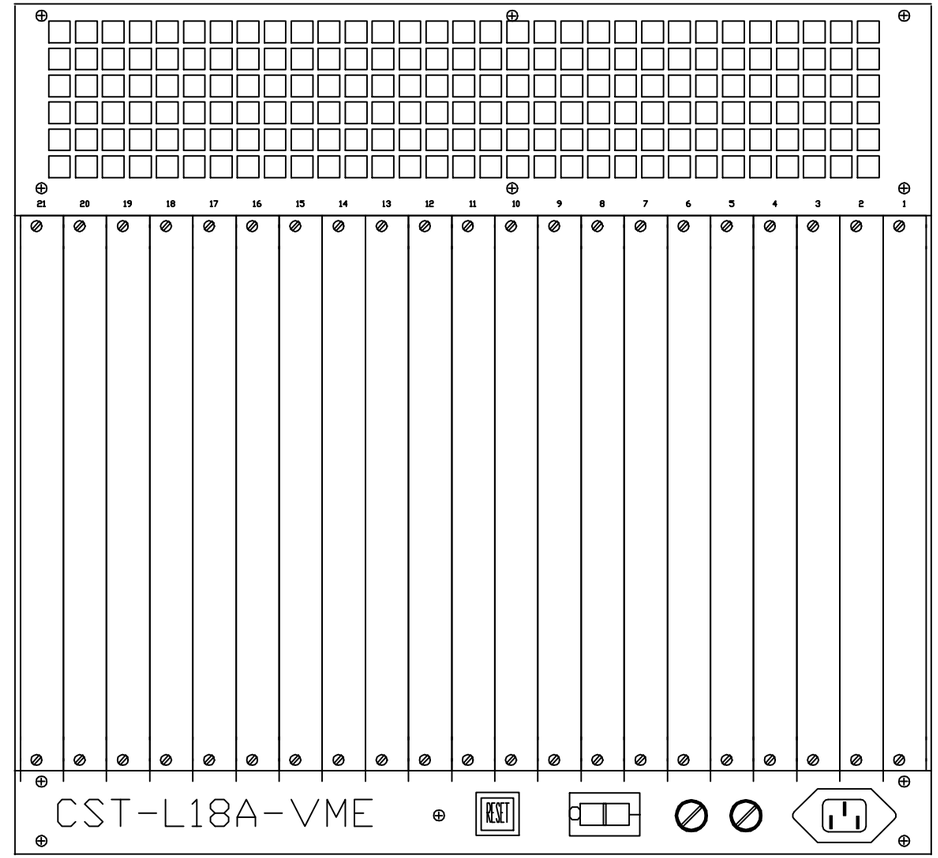
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 12/28/00 11:17 AM D09-E-RD2820.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 21	6	ALLEN BRADLEY 1014D 488 GPIB CONTRLLER	-
		1	SLOT 4	5	V102 DELAY MODULES	94028072
		1	SLOT 3	4	V108 UTILITY MODULE	94028094
		1	SLOT 1	2	MVME 162-222	POWER3E
		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	Jappe	1/26/2000
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

CAD CONTROLS
BLDG. L18A RACK 4635

VME CHASSIS CST-L18A-VME

SIZE A | DRAWING NUMBER D09-E-RD2820 | REV. A

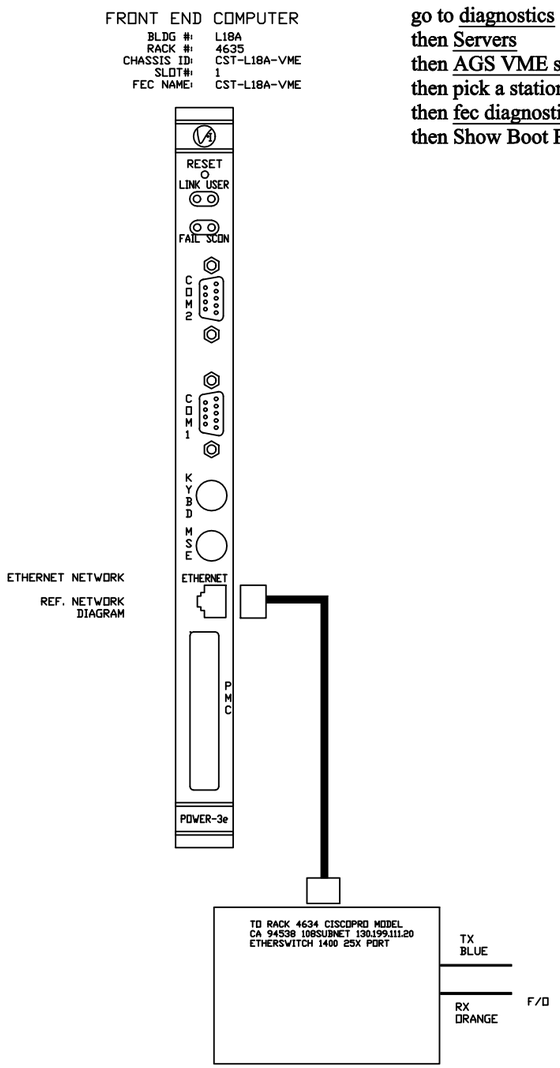
MATERIAL: ——— SCALE: NA WEIGHT: - SHEET 2

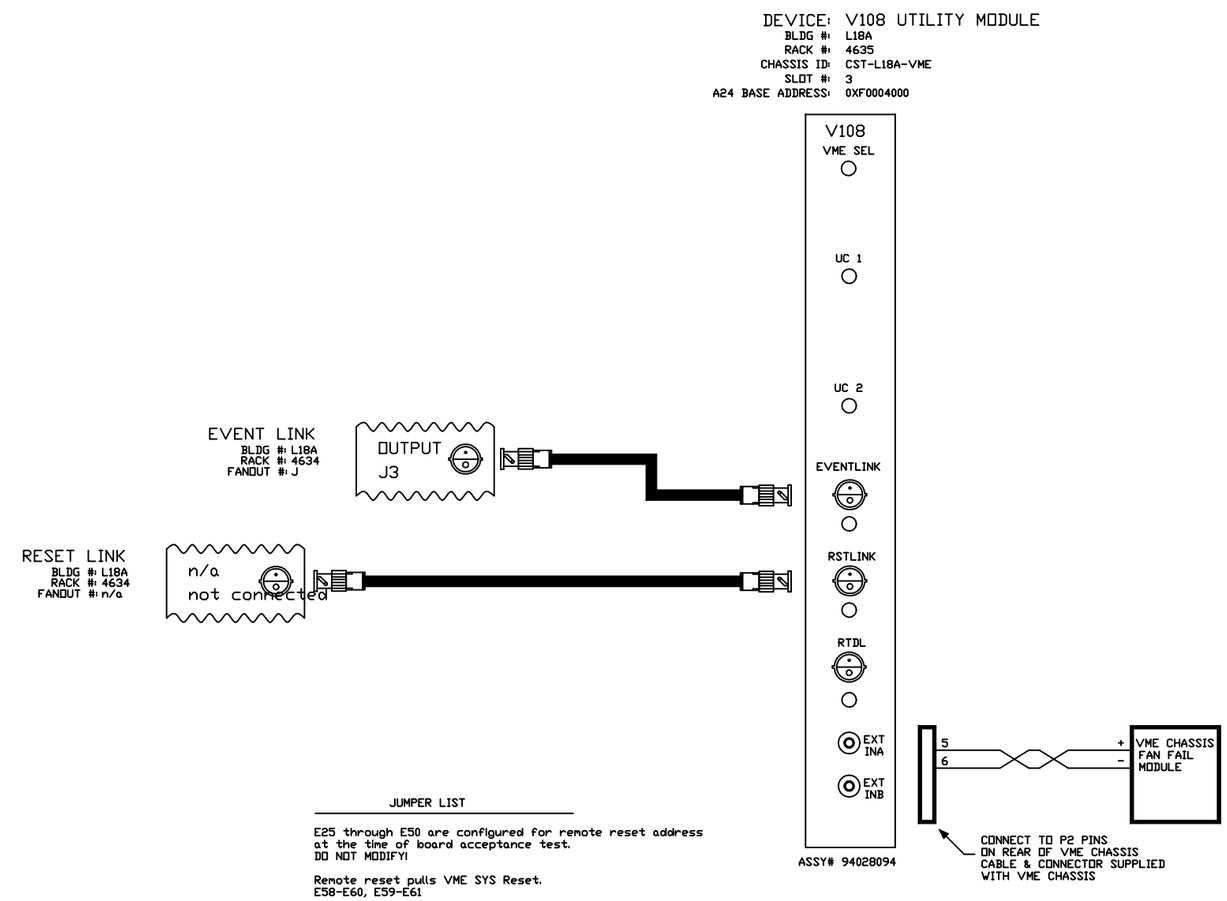
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

TO SET UP BOOT PARAMS FOR THE FEC
ON A X-TERM RUN StartUp
Top of StartUp

go to diagnostics
then Servers
then AGS VME stations
then pick a station you want the params for
then fec diagnostics
then Show Boot Params (PPC) (power PC)





JUMPER LIST

E25 through E50 are configured for remote reset address
at the time of board acceptance test.
DO NOT MODIFY!

Remote reset pulls VME SYS Reset.
E58-E60, E59-E61

A24 BASE ADDRESS= 4000h
E57-E13, E2-E14, E3-E15, E4-E16, E5-E17, E6-E18
E7-E19, E8-E20, E9-E21, E10-E22, E11-E24, E57-E23
SW1=OPEN
SW2=CLOSED
SW3=OPEN
SW4=OPEN

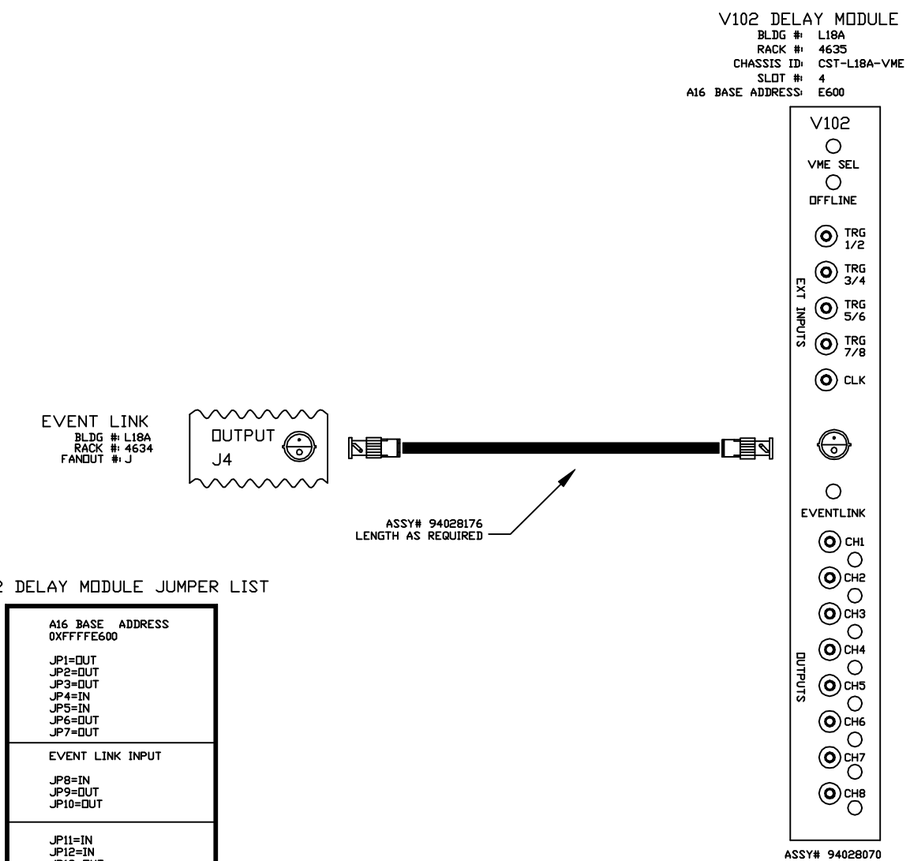
-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
QTY REQD						

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	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 Jappe	1/26/2000	CAD WIRING DIAGRAM
DECIMAL TOLERANCES .X ±.XX .XX ±.XX .XXX ±.XX ANGULAR TOLERANCE ± XX	CHECKED BY		L18A VME CHASSIS CST-L18A-VME
	DESIGN APPROVAL		CPU/MEMORY /V108 UTIL MODULE
	ENGINEER APPROVAL		
	SUPVR. APPROVAL		SIZE A — D09-E-RD2821 — REV. A
NA FINISH	BREAK SHARP EDGES MAX. XX MIN. XX	NEXT ASSEMBLY	DRAWING NUMBER
OUTSTANDING ECN			MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 3

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 12/28/00 11:22 AM D09-E-RD2822.dwg



V102 DELAY MODULE JUMPER LIST

A16 BASE ADDRESS 0XFFFFE600 JP1=OUT JP2=OUT JP3=OUT JP4=IN JP5=IN JP6=OUT JP7=OUT
EVENT LINK INPUT JP8=IN JP9=OUT JP10=OUT
JP11=IN JP12=IN JP13=OUT JP14=IN

-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 ±XXX
.XX ±XXX
.XXX ±XXX
ANGULAR TOLERANCE
± XXX

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3		DATE
DRAWN BY	Warren Jappe	1/28/2000
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

CAD WIRING DIAGRAM

BLDG.L18A CHASSIS CST-L18A-VME

V102 DELAY MODULE

SIZE A | D09-E-RD2822 | REV. A

DRAWING NUMBER

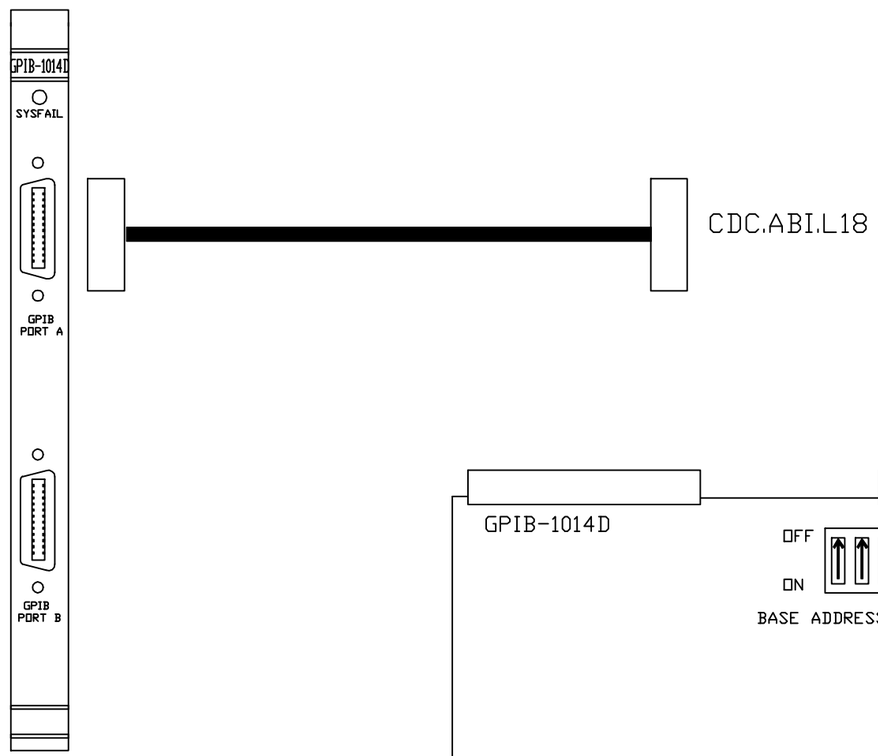
MATERIAL: ——— SCALE: NA WEIGHT: SHEET 4

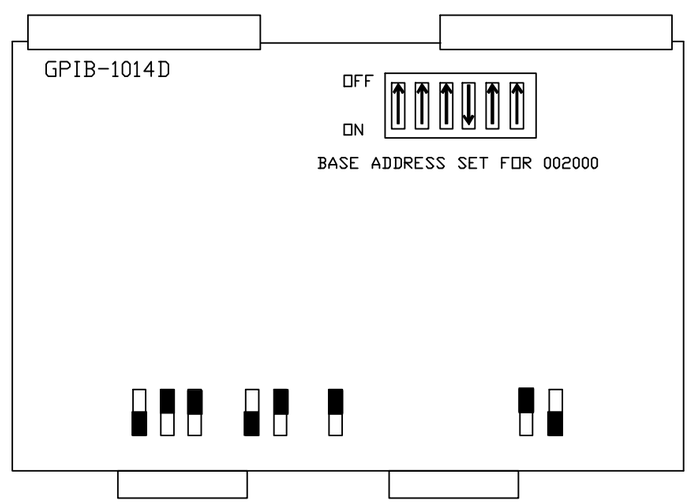
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 12/28/00 11:23 AM D09-E-RD2823.dwg

GPIB
BLDG #: L18A
RACK #: 4635
CHASSIS ID: CST-L18A-VME
SLOT #: 21
BASE ADDRESS: 002000





-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 ±
.XXX ±
ANGULAR TOLERANCE ±

OUTSTANDING ECN | NA FINISH | BREAK SHARP EDGES MAX. XX MIN. XX

Q.A. CATEGORY A-3		DATE
DRAWN BY	Warren Jappe	1/25/00
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

CAD WIRING DIAGRAM

BLDG. L18A CST-L18A-VME

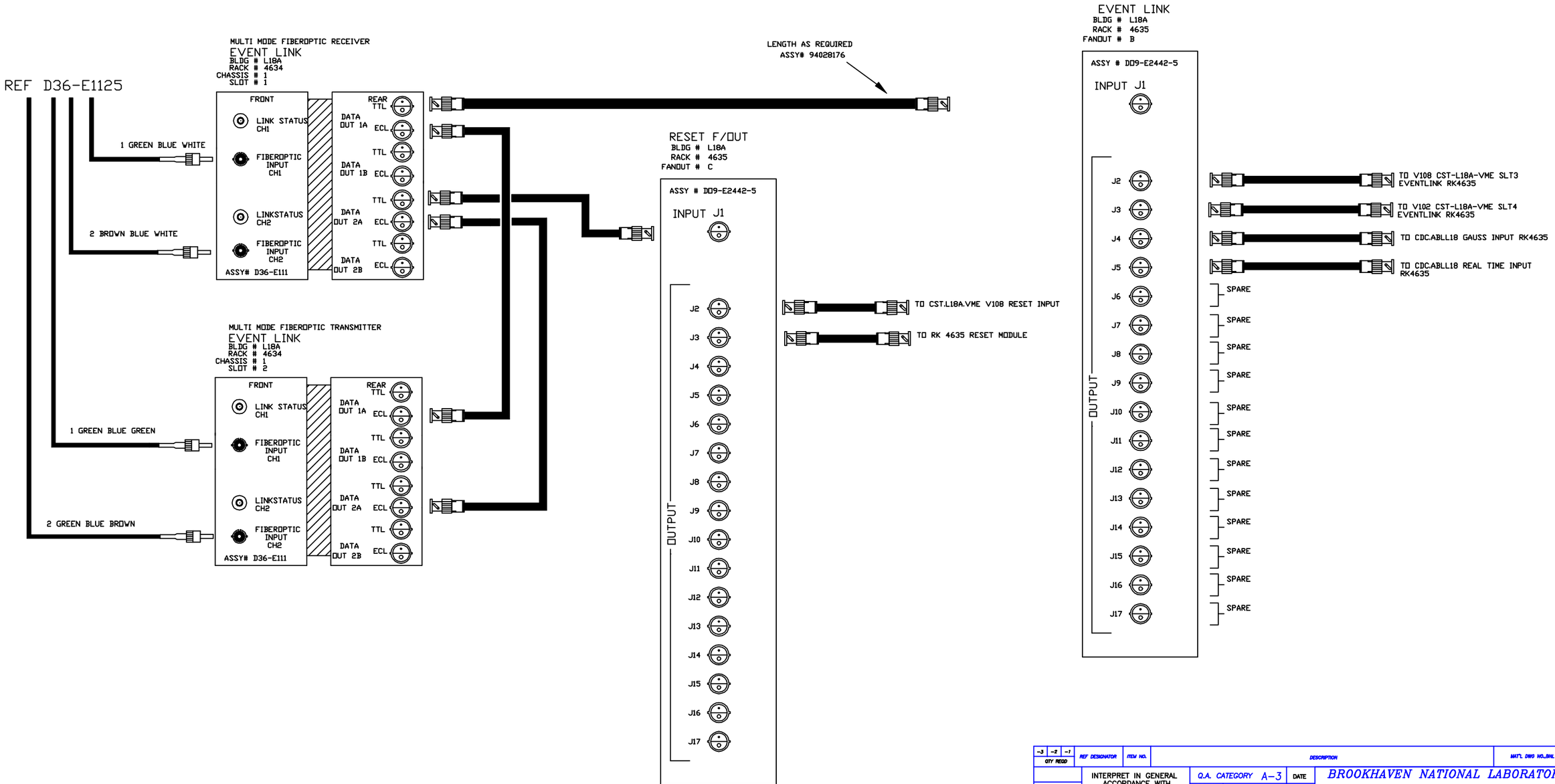
GPIB wiring detail

SIZE A | DRAWING NUMBER D09-E-RD2823 | REV. A

MATERIAL: n/a | SCALE: n/a | WEIGHT: - | SHEET 5

1 *AUTOCAD

BNL, BNL 12/28/00 11:24 AM D09-E-RD2824.dwg



-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°

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Warren Jappe	1/26/00
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

CAD WIRING DIAGRAM

L18A CST-L18A-VME

EVENT LINK DETAIL

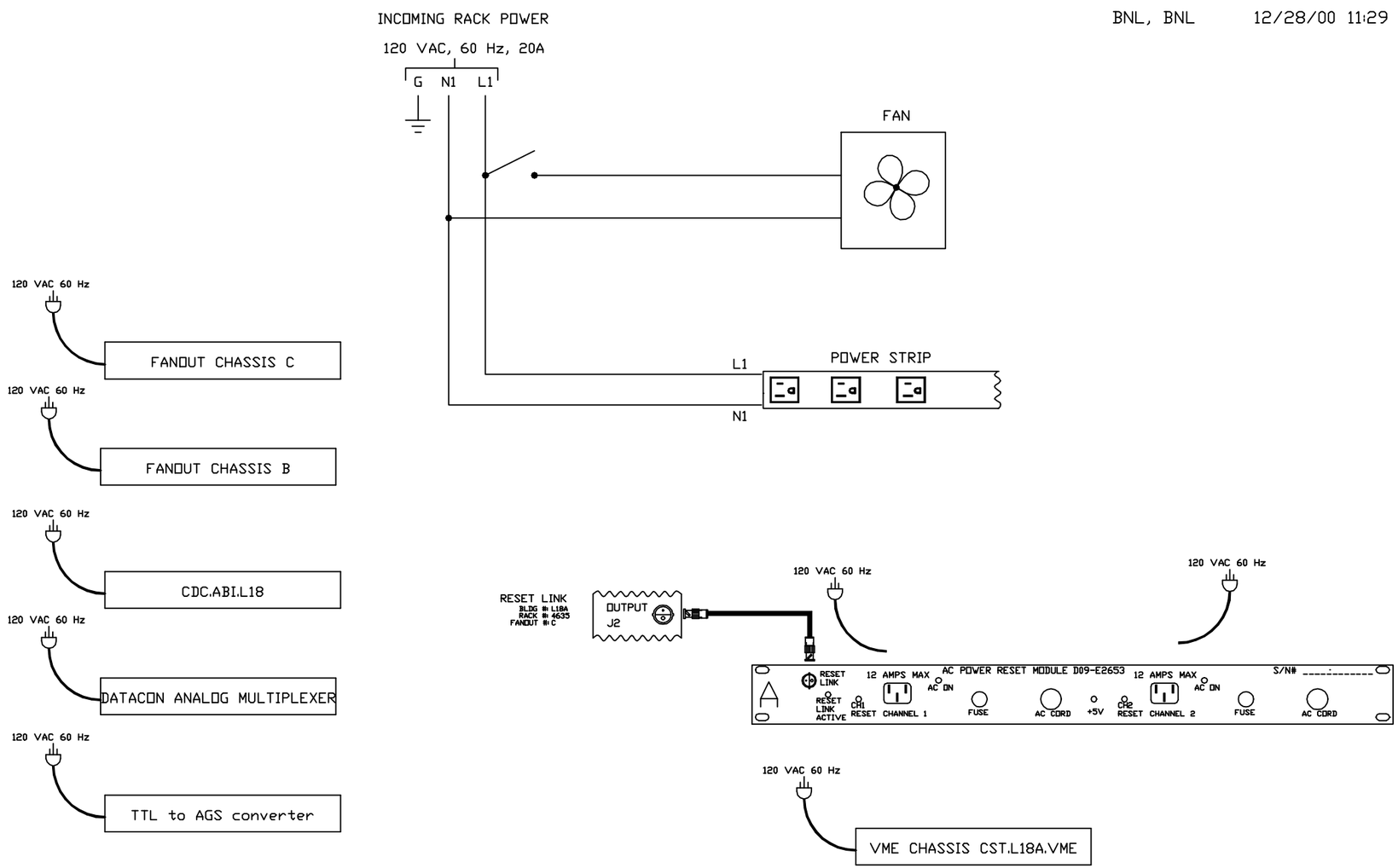
SIZE A | DRAWING NUMBER D09-E-RD2824 | REV. A

MATERIAL: ——— SCALE: NA WEIGHT: — SHEET 6

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL, BNL 12/28/00 11:29 AM D09-E-RD2825.dwg



NOTE: ALL 120 VAC, 60 Hz POWER CORDS
PLUG INTO POWER STRIP OUTLETS EXCEPT FOR 6U VME CHASSIS

-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'

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Jappe	3/22/00
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

CAD WIRING DIAGRAM

L18A RACK 4635

POWER DISTRIBUTION

SIZE D09-E-RD2825 REV.

DRAWING NUMBER

MATERIAL: ——— SCALE: NA WEIGHT: SHEET 7

*AUTOCAD