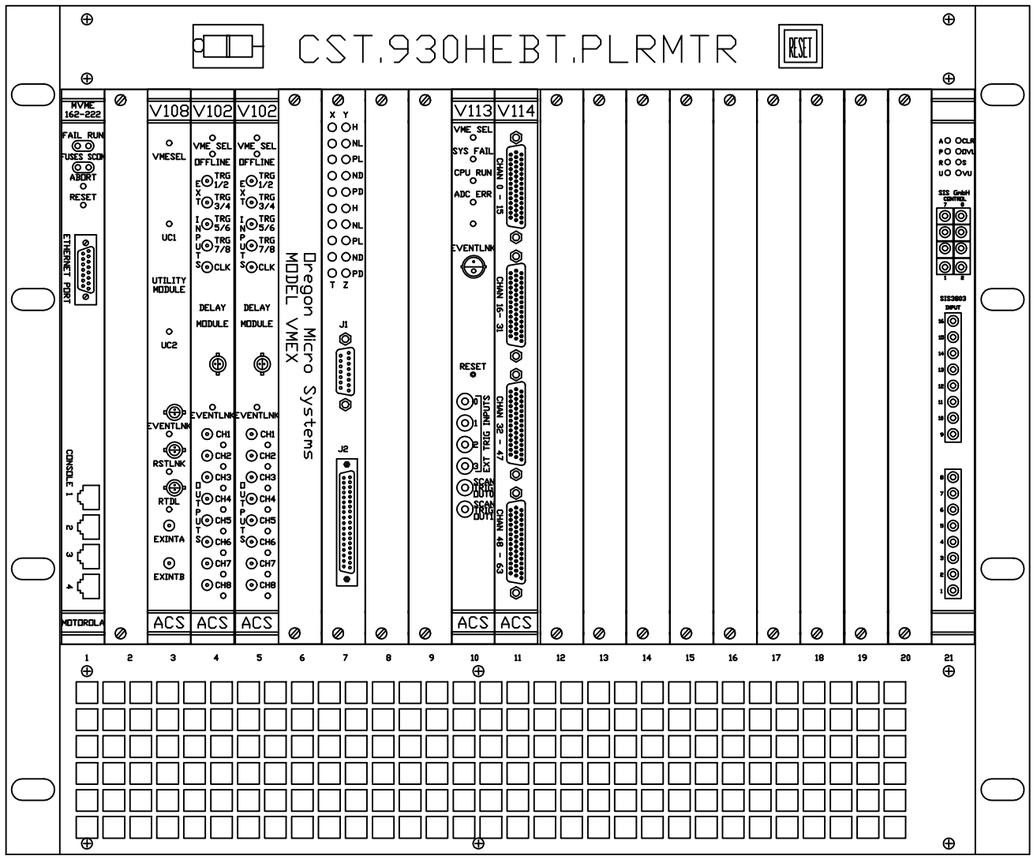
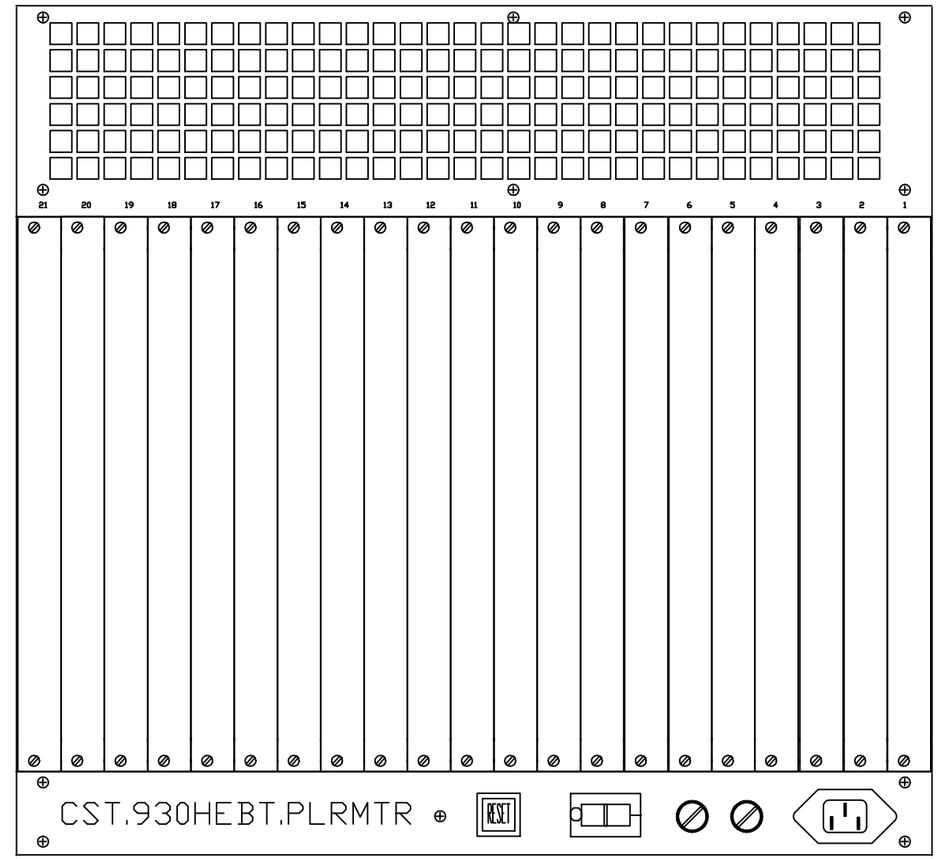
C-A Controls 6/15/01 9:08 AM polar200mev_chas.dwg





NOTE 1: FOR UNUSED SLOTS

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./BNL NO.
		1	V114	10	MADC analog module	
		1	V113	9	MADC controller	
		1	SLOT 21	8	SIS 3803 SCALER	
		1	SLOT 7	7	MOTOR CONTROLLER CARD	
		1	SLOT 6	6	Oregon Micro Systems	
		34	NOTE 1	5	6U FILLER PANELS	
		2	SLOT 3,4	4	V102 DECODER MODULE	94028070
		1	SLOT 2	3	V108 UTILITY MODLULE	94028094
		1	SLOT 1	2	FRONT END COMPUTER (162-222) 16 meg memory	X
		1	N/A	1	6U 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°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

DATE

DRAWN BY Jappe 6/05/01

CHECKED BY

DESIGN APPROVAL

ENGINEER APPROVAL

SUPVR. APPROVAL

NEXT ASSEMBLY

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

VME CONTROL CHASSIS

HEBT

VME CHASSIS CST.930HEBT.PLRMTR

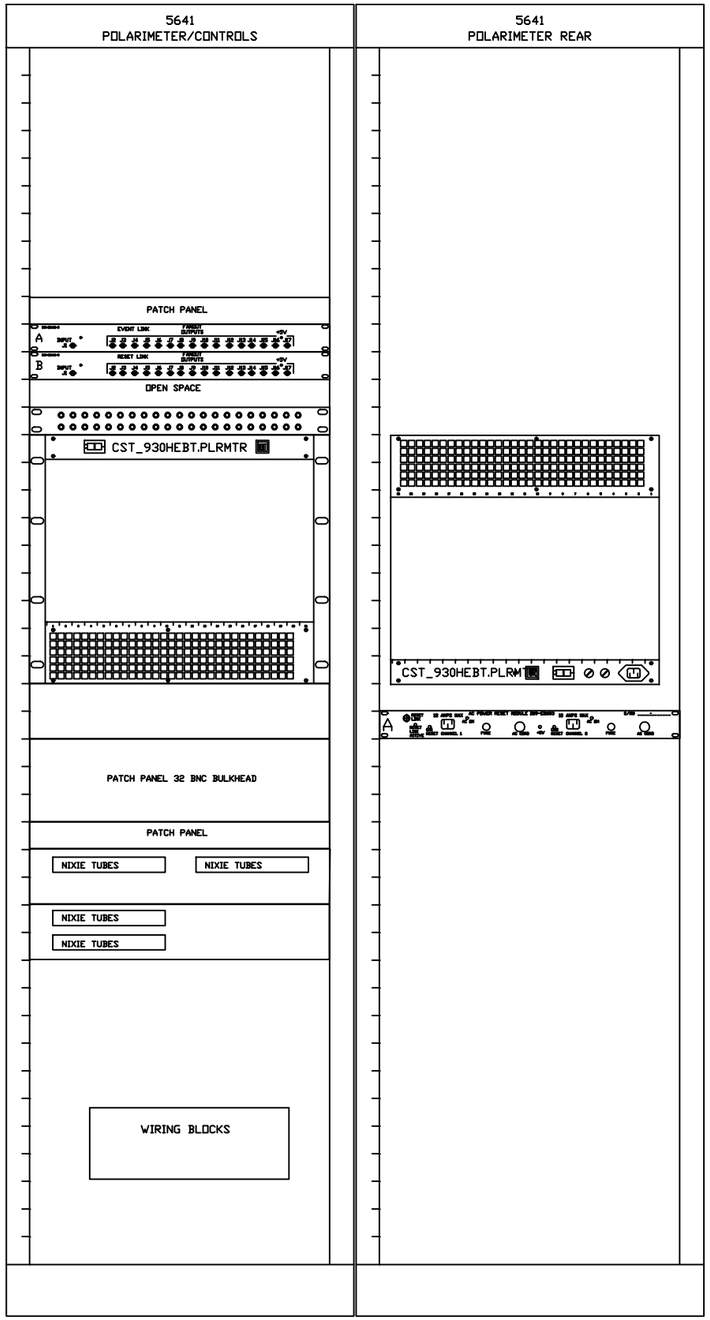
SIZE D

DRAWING NUMBER

REV.

MATERIAL: SCALE: WEIGHT: SHEET

*AUTOCAD



C-A Controls 7/12/01 11:07 AM rack_5641.dwg

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

-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	Jappe	7/12/2001
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

CAD WIRING DIAGRAM

930HEBT polarimeter rack

SIZE A

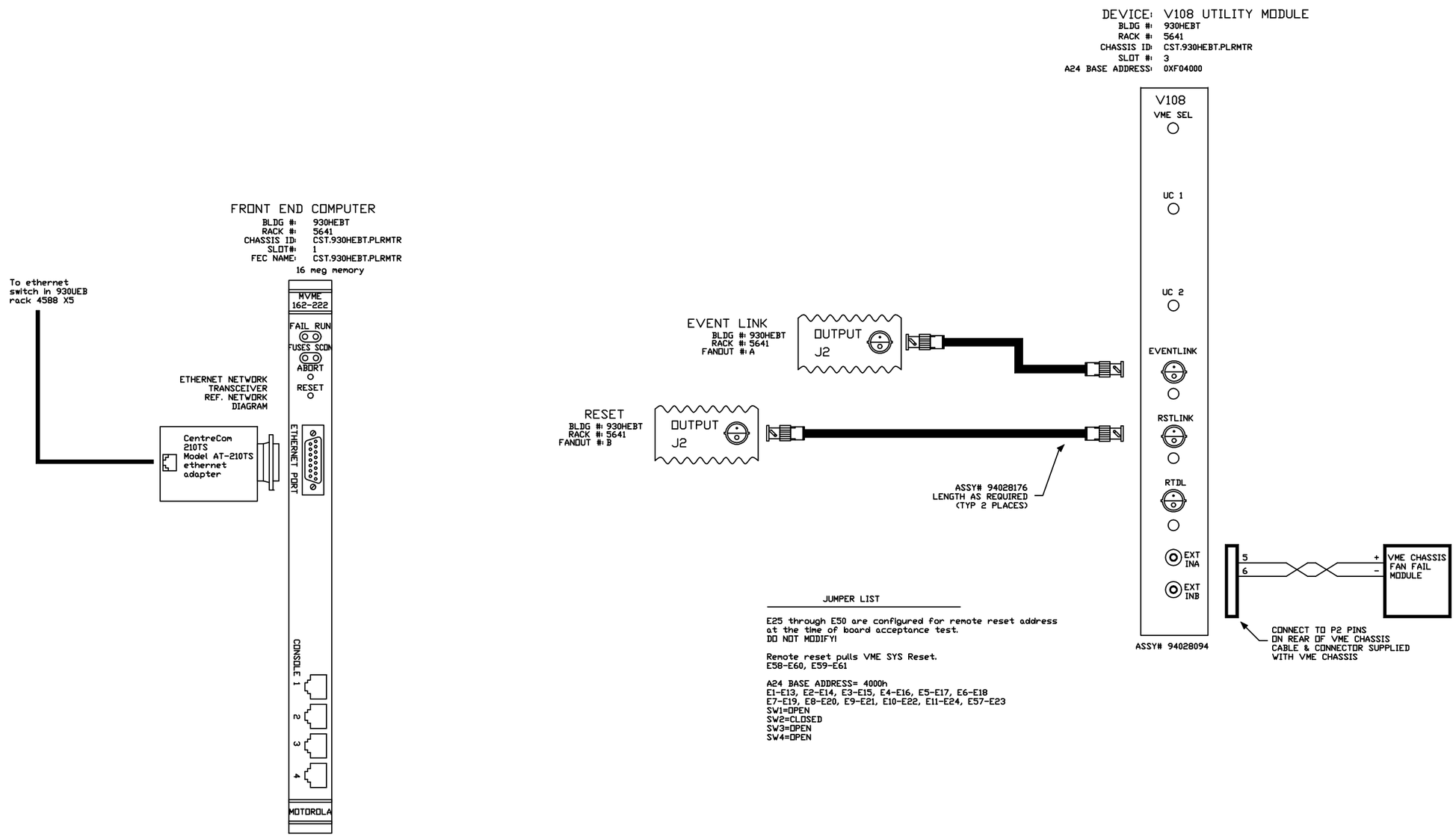
DRAWING NUMBER

REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 3

*AUTOCAD

C-A Controls 6/14/01 8:31 AM polar200mev_v108.dwg



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
E1-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

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

-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	06/05/01
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

AGS CONTROLS WIRING DIAGRAM

VME CHASSIS CST.930HEBT.PLRMTR

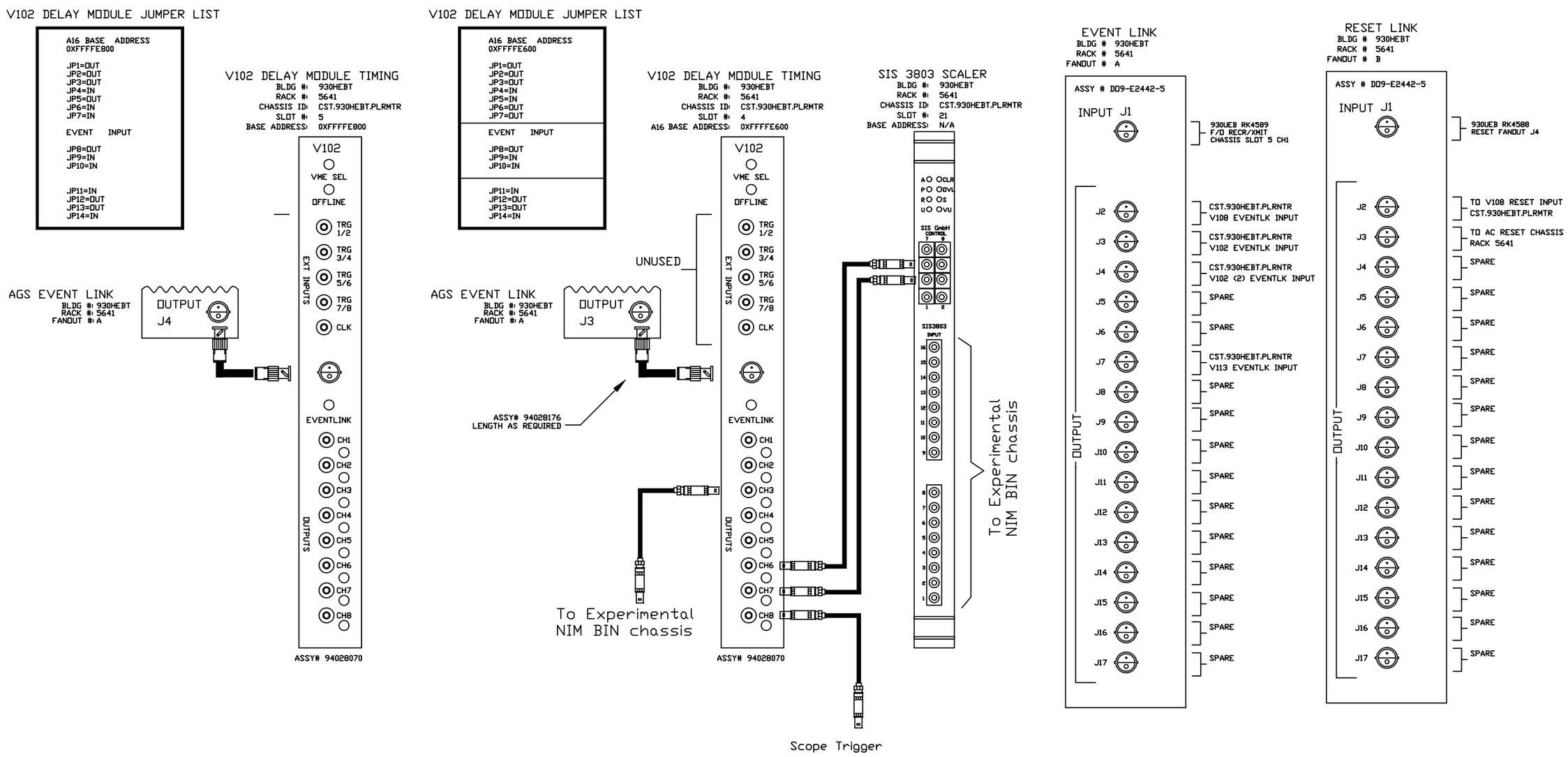
FT END COMP/V108 UTIL MODULE

SIZE D | DRAWING NUMBER | REV. A

MATERIAL: | SCALE: NA | WEIGHT: - | SHEET

*AUTOCAD

C-A Controls 7/17/01 10:50 AM polar200mev_v102.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°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	Jappe	06/05/01
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

AGS CONTROLS WIRING DIAGRAM

CST.930HEBT.PLRMTR

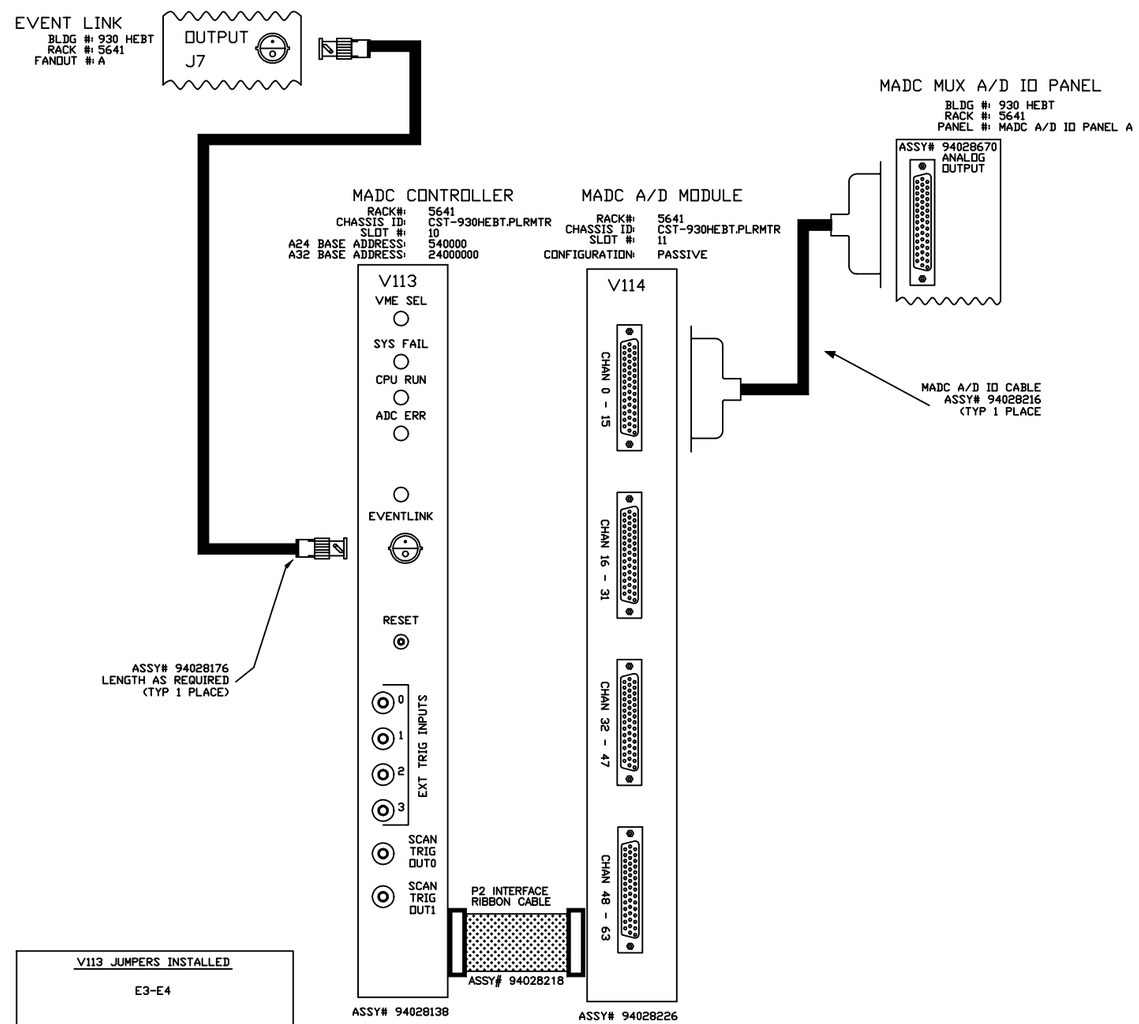
V102 DELAY MODULE TIMING

SIZE D | DRAWING NUMBER | REV. A

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

*AUTOCAD

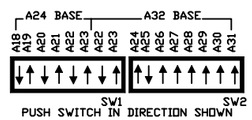
CONTROLS- 2/11/04 2:04 PM polar200mev_madc.dwg



V113 JUMPERS INSTALLED

E3-E4

V113
BASE ADDRESS DIP SWITCHES



PUSH SWITCH IN DIRECTION SHOWN

V114 JUMPERS INSTALLED

J1, J2, J4, J5, J9
J19, J15, J21

ALL OTHER JUMPERS OUT

-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		DATE
DRAWN BY	Jappe	2/11/04
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

930 HEBT WIRING DIAGRAM

930, VME CHASSIS CST-930HEBT.PLRMTR

MADC SYSTEM

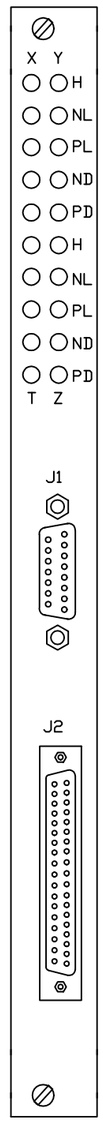
SIZE D | DRAWING NUMBER | REV. A

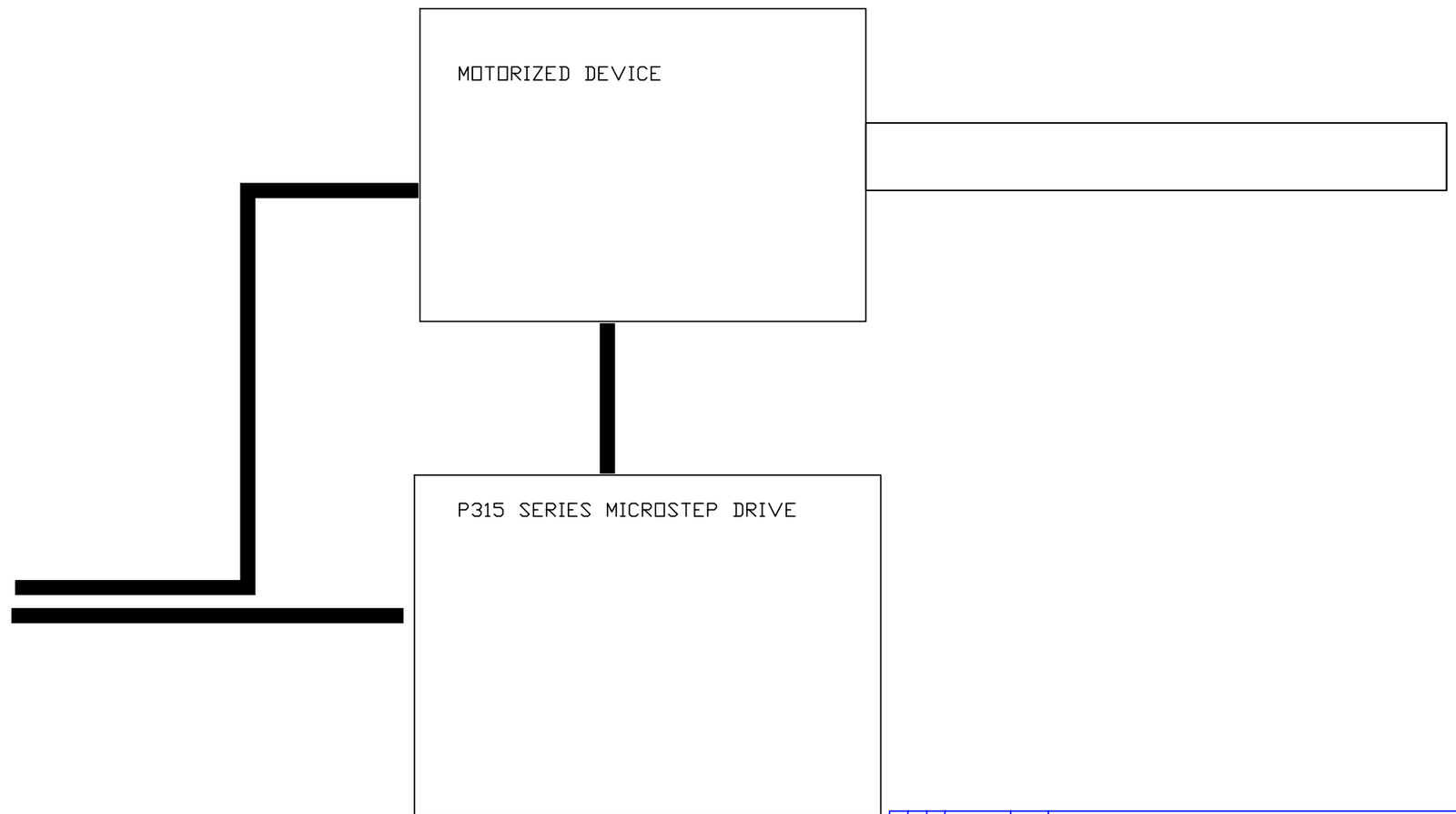
MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 12

*AUTOCAD

C-A Controls 6/6/01 9:36 AM polar200mev_scaler.dwg

VME MOTOR CONTROLLER
BLDG #: 930HEBT
RACK #: 5641
CHASSIS ID: CST.930HEBT.PLRMTR
SLOT #: 7
BASE ADDRESS:





-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO./INL 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	06/05/01
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

AGS CONTROLS WIRING DIAGRAM
CST.930HEBT.PLRMTR
VME MOTOR CONTROLLER

SIZE D
DRAWING NUMBER
REV. A

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

*AUTOCAD