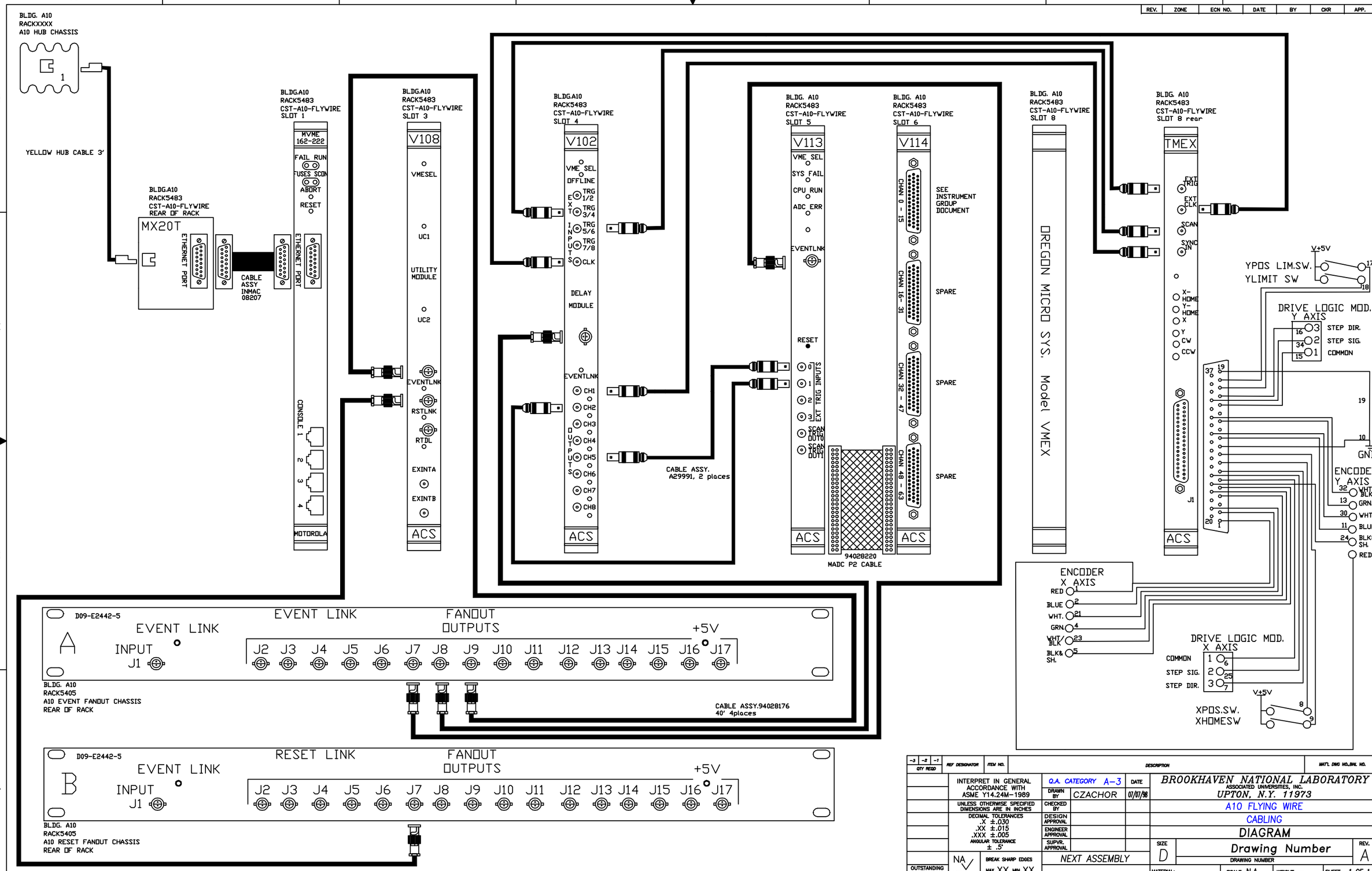


REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

-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	CZACHOR	07/07/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

A10 FLYING WIRE
CABLING
DIAGRAM

SIZE: D
Drawing Number
DRAWING NUMBER
REV. A

MATERIAL: ——— SCALE: N.A. WEIGHT: – SHEET 1 OF 1

1 *AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

CONNECTOR	FUNCTION	COLOR
J1-19	+5 (X&Y AXIS ENCODERS)	RED
J1-18	X PHASE A+	ORANGE
J1-16	X PHASE B+	GREEN
J1-15	GRND (X AXIS)	BLUE
J1-24	COMMON (X AXIS)	WHITE
J1-13	X STEP DIRECTION	BLACK
J1-12	X POS. LIMIT SW. (CI)	RED/GREEN
J1-11	X HOME SW. (C1)	RED/BLACK
J1-10	V_OPTO COM.("X" HOME)	RED/WHITE
J1-9	Y PHASE A+	RED/BLACK/WHITE
J1-7	Y PHASE B+	ORANGE/RED
J1-5	COMMON (Y AXIS)	ORANGE/GREEN
J1-4	Y STEP DIRECTION	ORANGE/BLACK
J1-3	Y POS. LIMIT SW. (C1)	GREEN/WHITE
J1-2	Y HOME SW. (C1)	GREEN/BLACK
J1-1	V_OPTO COM.(LIMIT SW.)	GREEN/BLACK/WHITE
J1-36	X PHASE A-	BLUE/RED
J1-34	X PHASE B-	BLUE/BLACK
J1-6	GRND. (Y AXIS)	BLUE/WHITE
J1-32	X STEP SIGNAL	WHITE/RED
J1-27	Y PHASE A-	WHITE/BLACK
J1-25	Y PHASE B-	WHITE/BLACK/RED
J1-23	Y STEP SIGNAL	BLACK/RED
J1-29	V_OPTO COM.("Y" Home)	BLACK/WHITE
J1-XX		

-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L. DWG NO.,SHL 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	W.E.B.	08/12/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

FLYING WIRE J1

CABLE

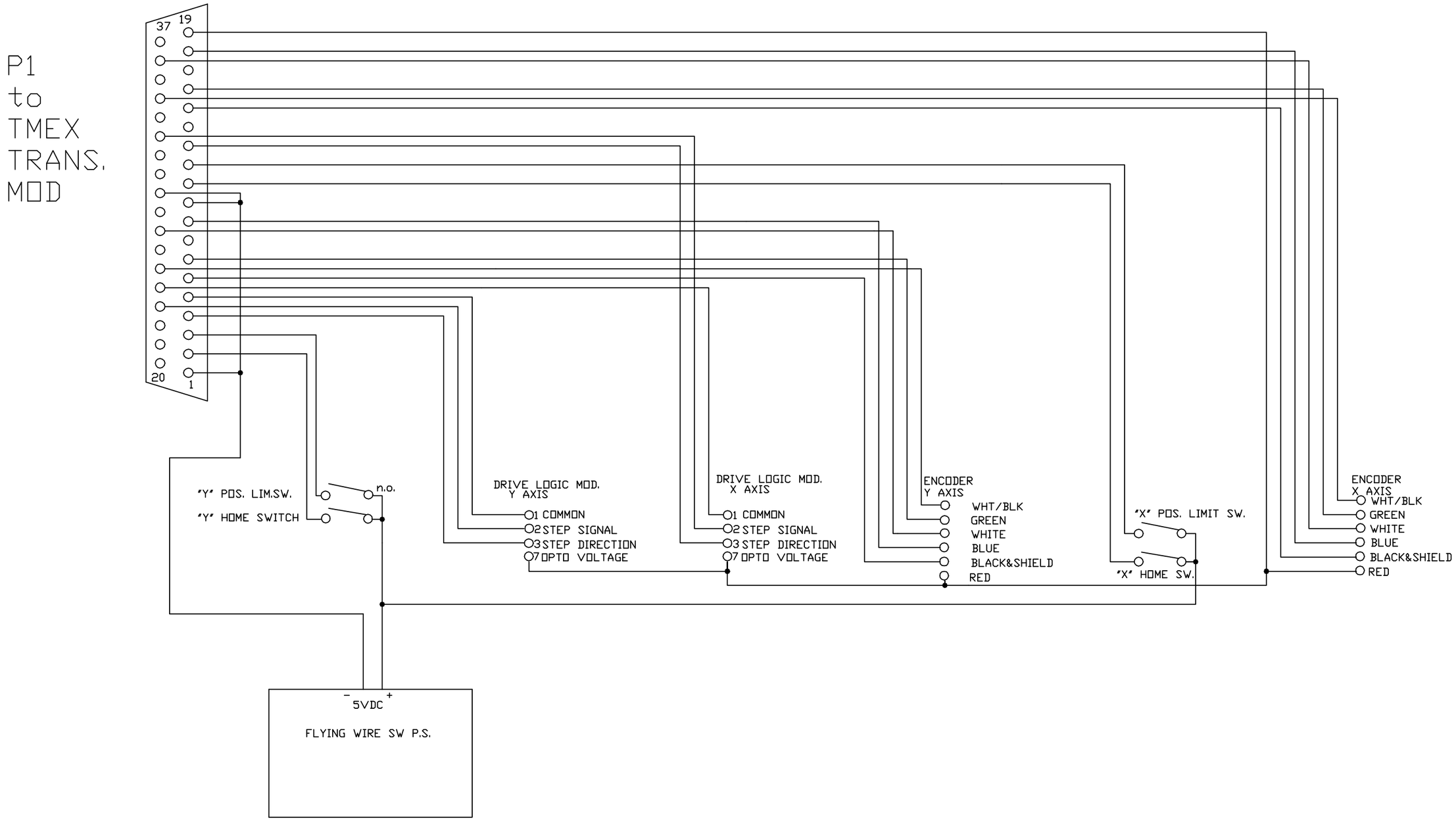
ASSEMBLY

SIZE D | Drawing Number | REV. A

DRAWING NUMBER

MATERIAL: ——— SCALE: N.A. WEIGHT: – SHEET 1 OF 1

*AUTOCAD



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°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

		DATE
DRAWN BY	CZACHOR	08/13/98
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

A10 FLYING WIRE

P1 CABLING

DIAGRAM

SIZE D

Drawing Number

DRAWING NUMBER

REV. A

MATERIAL: ——— SCALE: N.A. WEIGHT: – SHEET 1 OF 1

*AUTOCAD