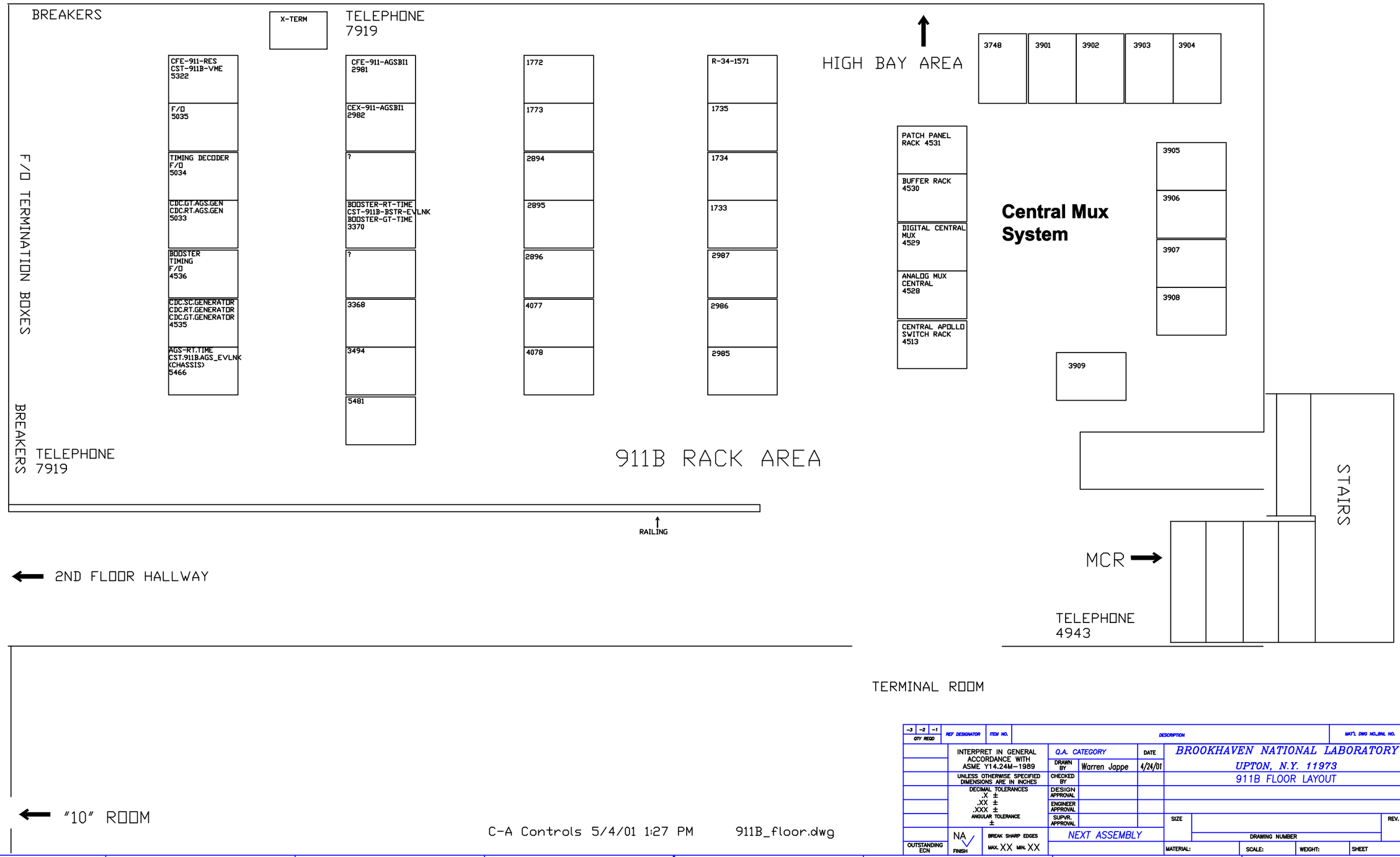


REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

-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 ±
.XX ±
.XXX ±
ANGULAR TOLERANCE
±

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY		DATE
DRAWN BY	Warren Jappe	4/24/01
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

911B FLOOR LAYOUT

SIZE | REV.
DRAWING NUMBER
MATERIAL: | SCALE: | WEIGHT: | SHEET

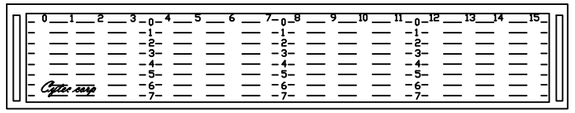
*AUTOCAD

SHUFFLE MUXES 8ea.

6 INPUT CHANNELS ASSIGNED TO DIGITAL CENTRAL MUX (6 through 11)

ONLY 0 TO 11 ARE USED

8 OUTPUT CHANNELS TO MCR SCOPES



Trouble shooting note: If mux cannot switch signals (especially after a power dip) note the cytec matrix controller is in local or remote. It should be in remote. If not cycle power on the Cytec matrix controller 2 power supply on the bottom of rack, then reset the analog mux central chassis one rack to the left (rack 4528) then check to see if the light on the cytec matrix controller 2 is now in remote.

BOOSTER MANCHESTER DECODER SCHEMATIC D36-E124

4 CHANNEL BOARD SLOT 11
CONSOLE 1A,1B,1C,1D

4 CHANNEL BOARD SLOT 12
CONSOLE 1E,1F,3A,3B

4 CHANNEL BOARD SLOT 13
CONSOLE 3C,3D,3E,3F

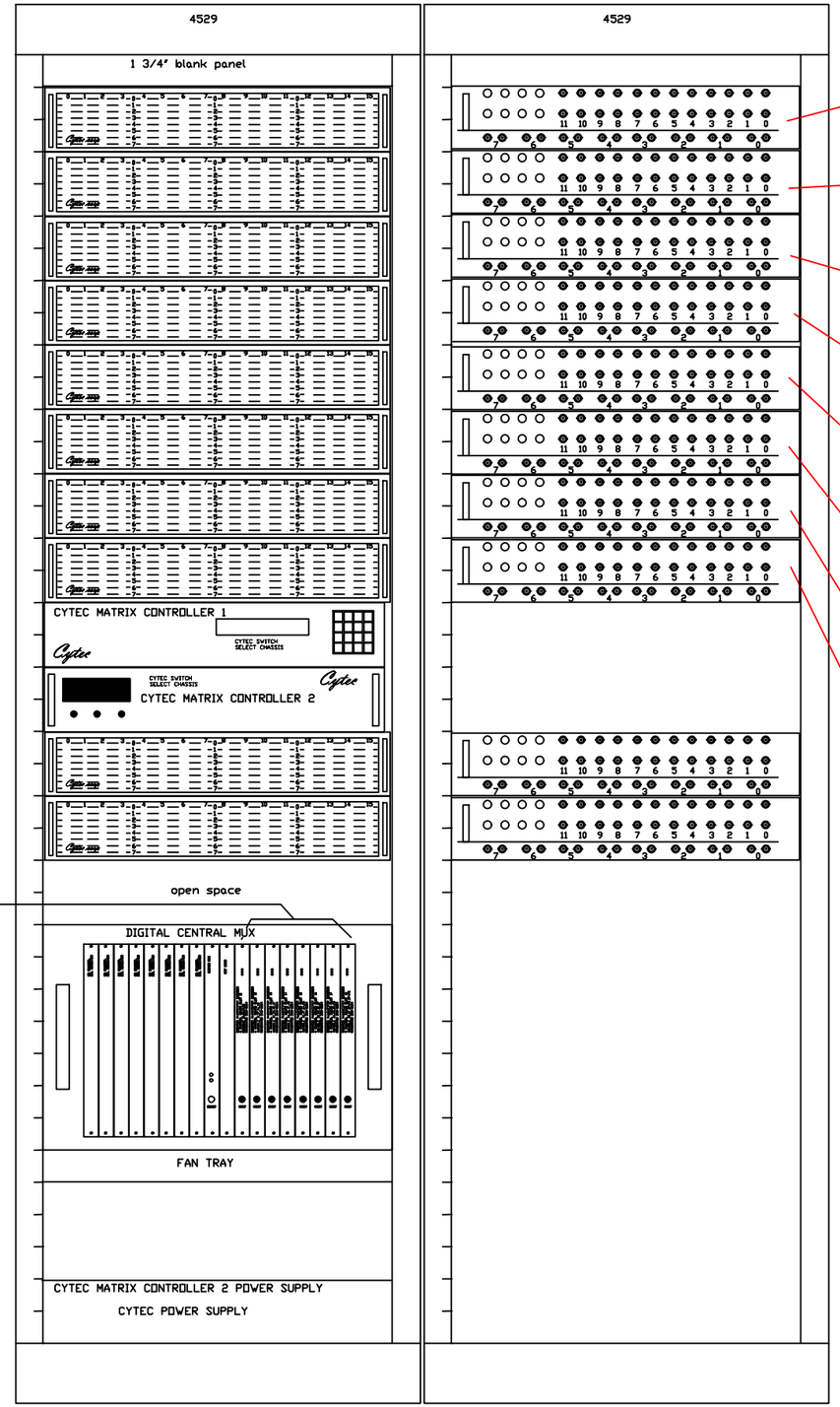
4 CHANNEL BOARD SLOT 14
CONSOLE 4A,4B,4C,4D

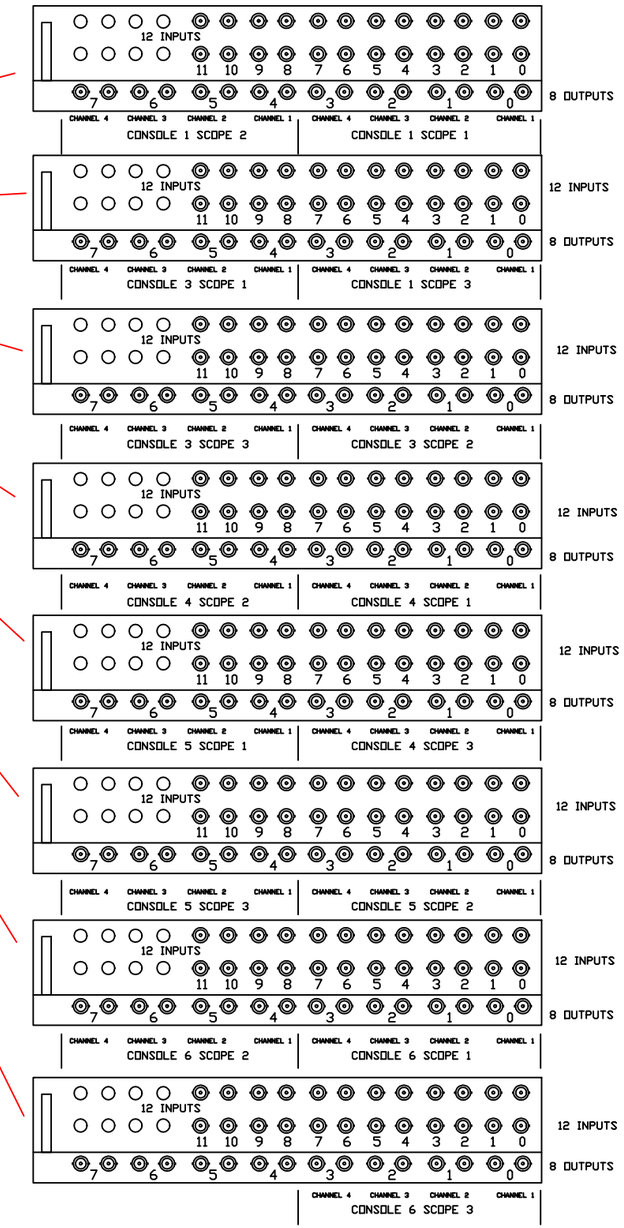
4 CHANNEL BOARD SLOT 15
CONSOLE 4E,4F,5A,5B

4 CHANNEL BOARD SLOT 16
CONSOLE 5C,5D,5E,5F

4 CHANNEL BOARD SLOT 17
CONSOLE 6A,6B,6C,6D

4 CHANNEL BOARD SLOT 18
CONSOLE 6E,6F,SPARE,SPARE





BNL, BNL 2/23/01 9:18 AM CENTMUXRACK.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 ± .XX ± .XXX ± ANGULAR TOLERANCE ±

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY		DATE
DRAWN BY	Warren Jappe	2/14/01
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

DIGITAL CENTRAL MUX SYSTEM SHUFFLE MUXES
BLDG 911B RACK 4529

CONSOLE ASSIGNMENT DETAIL

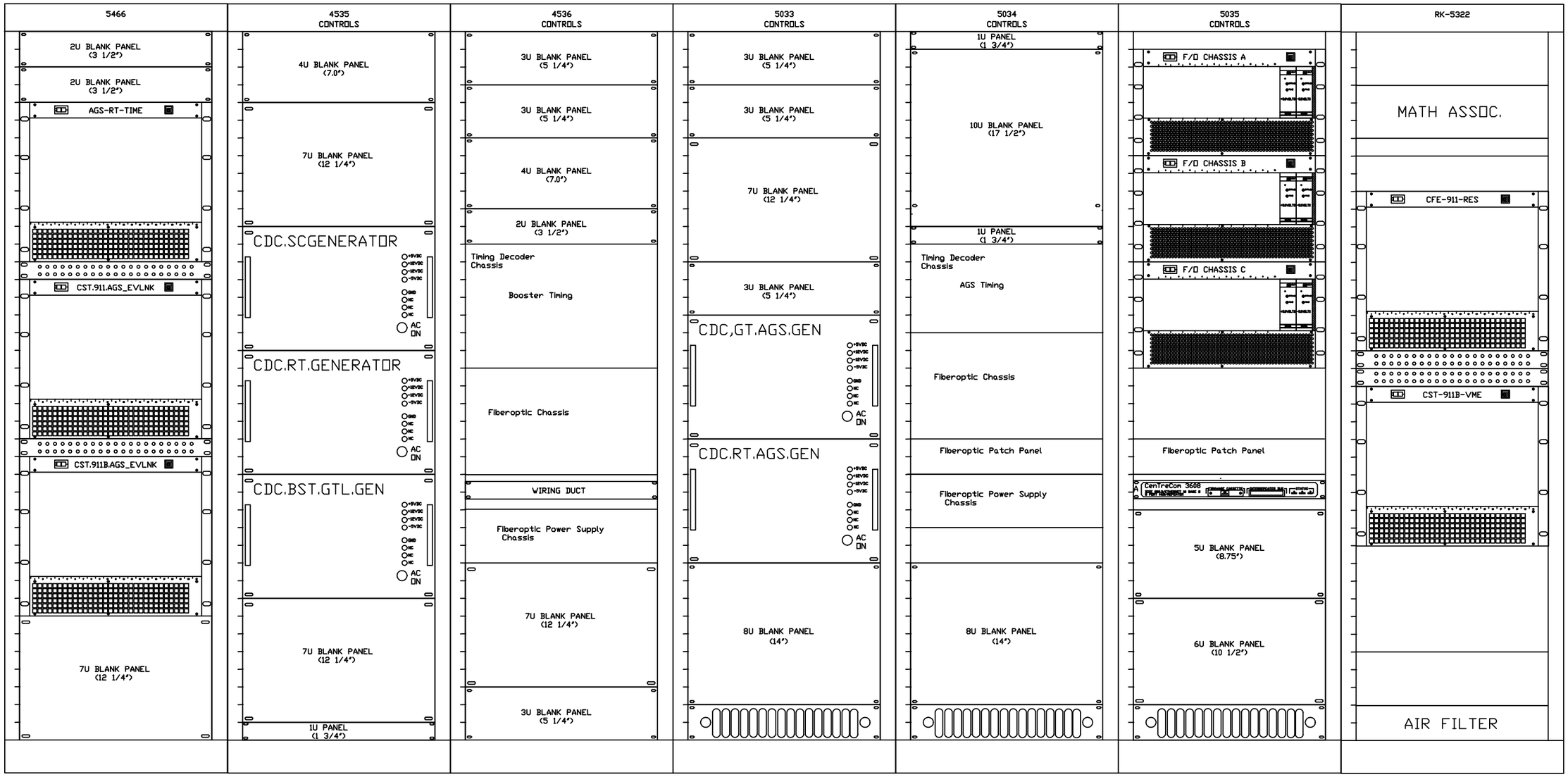
SIZE | DRAWING NUMBER | REV.

MATERIAL: | SCALE: | WEIGHT: | SHEET 2 of 5

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

C-A Controls, Brookhaven National Laboratory 5/30/00 2:53 PM timing_rk_layout.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	Name	00/00/99
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

Top Title

Middle Title

Drawing Title

SIZE D

Drawing Number

DRAWING NUMBER

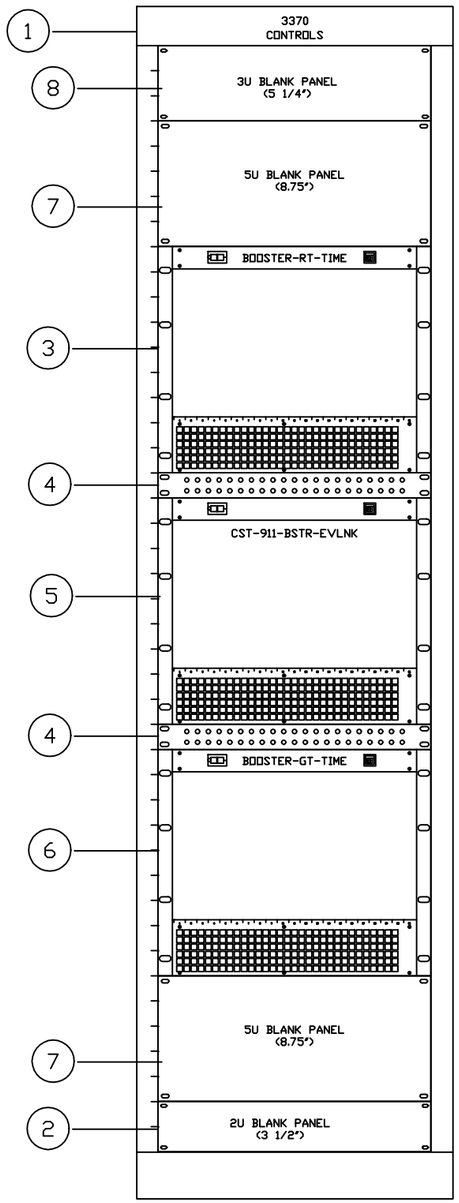
REV. A

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

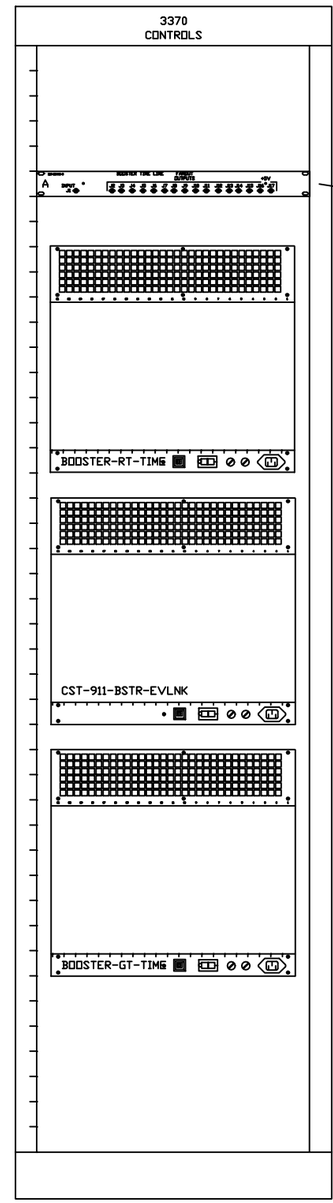
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

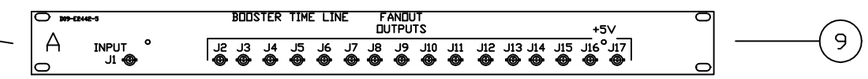
ACS, BNL 1/5/01 1:31 PM rack.dwg



FRONT VIEW



REAR VIEW

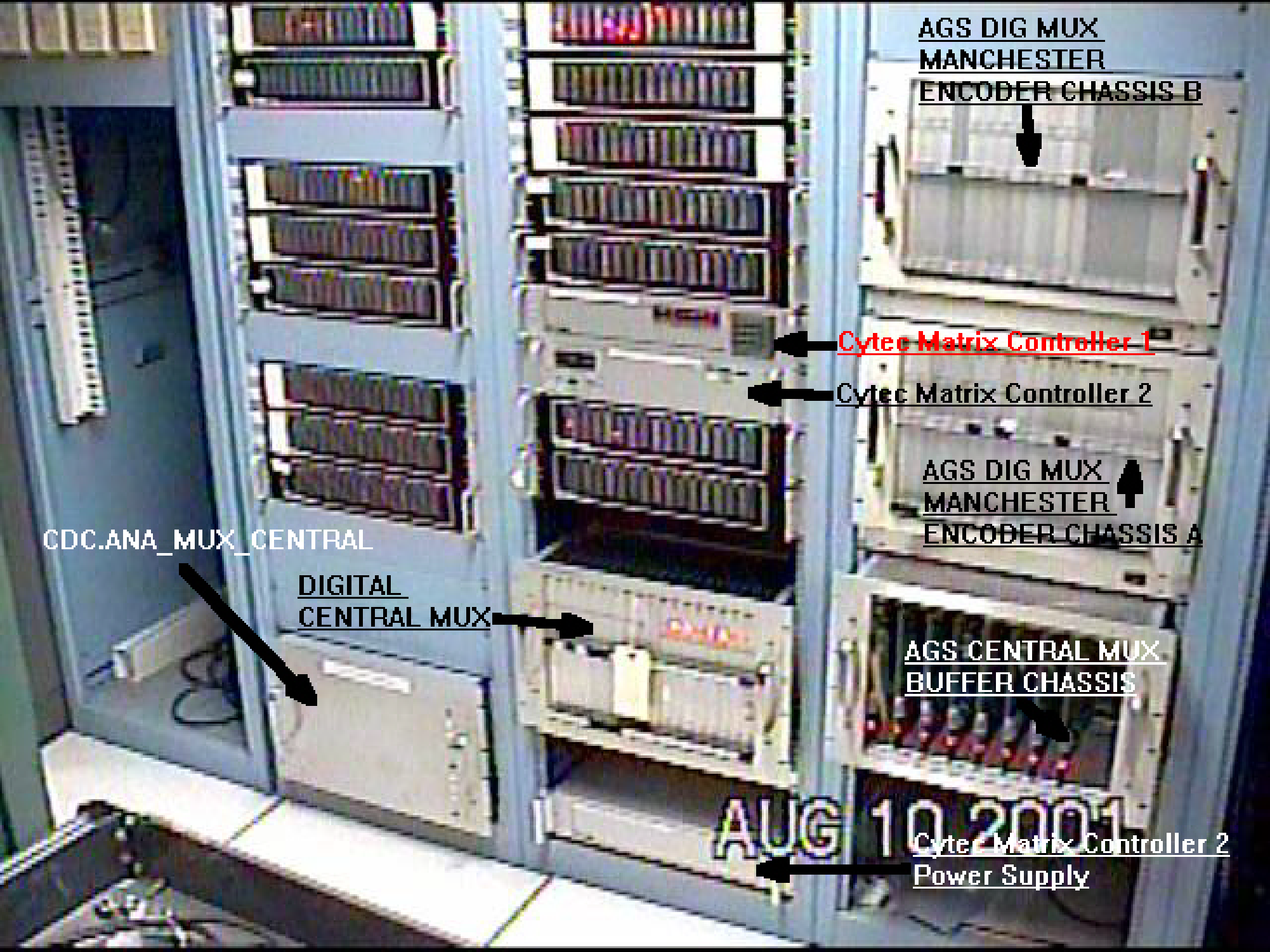


-3	-2	-1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L. DWG NO.,BNL NO.
		1	NA	9	FANOUT ASSEMBLY	D09-E2442
		1	NA	8	3U x 19" BLANK PANEL	-
		2	NA	7	5U x 19" BLANK PANEL (PREMIER METAL APR-819-553)	-
		1	NA	6	VME CHASSIS CST-911-BSTR-EVLNK	94028xxx
		1	NA	5	VME CHASSIS BOOSTER-GT-TIME ASSY.	94028xxx
		2	NA	4	GROMMET PANEL	94028410
		1	NA	3	VME CHASSIS BOOSTER-RT-TIME ASSY.	94028xxx
		1	NA	2	2U x 19" BLANK PANEL (PREMIER METAL APR-319-553)	-
		1	NA	1	19" RACK, 77" H RACK SPACE	94028xxx
QTY REQD						

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989	Q.A. CATEGORY A-3	DATE	BROOKHAVEN NATIONAL LABORATORY
	DRAWN BY Ed Koropsak	4/18/2000	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 911B
	ENGINEER APPROVAL W. Buxton	4/18/00	BOOSTER TIMING RACK
	SUPVR. APPROVAL		SIZE D — DRAWING NUMBER 94028xxx — REV. A
OUTSTANDING ECN — NA FINISH — BREAK SHARP EDGES MAX. XX MIN. XX	NEXT ASSEMBLY		MATERIAL: — SCALE: NA WEIGHT: - SHEET 1

*AUTOCAD

AUG 10 2001


AGS DIG MUX
MANCHESTER
ENCODER CHASSIS B
Cytec Matrix Controller 1
Cytec Matrix Controller 2
AGS DIG MUX
MANCHESTER
ENCODER CHASSIS A
CDC.ANA_MUX_CENTRAL
DIGITAL
CENTRAL MUX
AGS CENTRAL MUX
BUFFER CHASSIS
AUG 10 2001
Cytec Matrix Controller 2
Power Supply