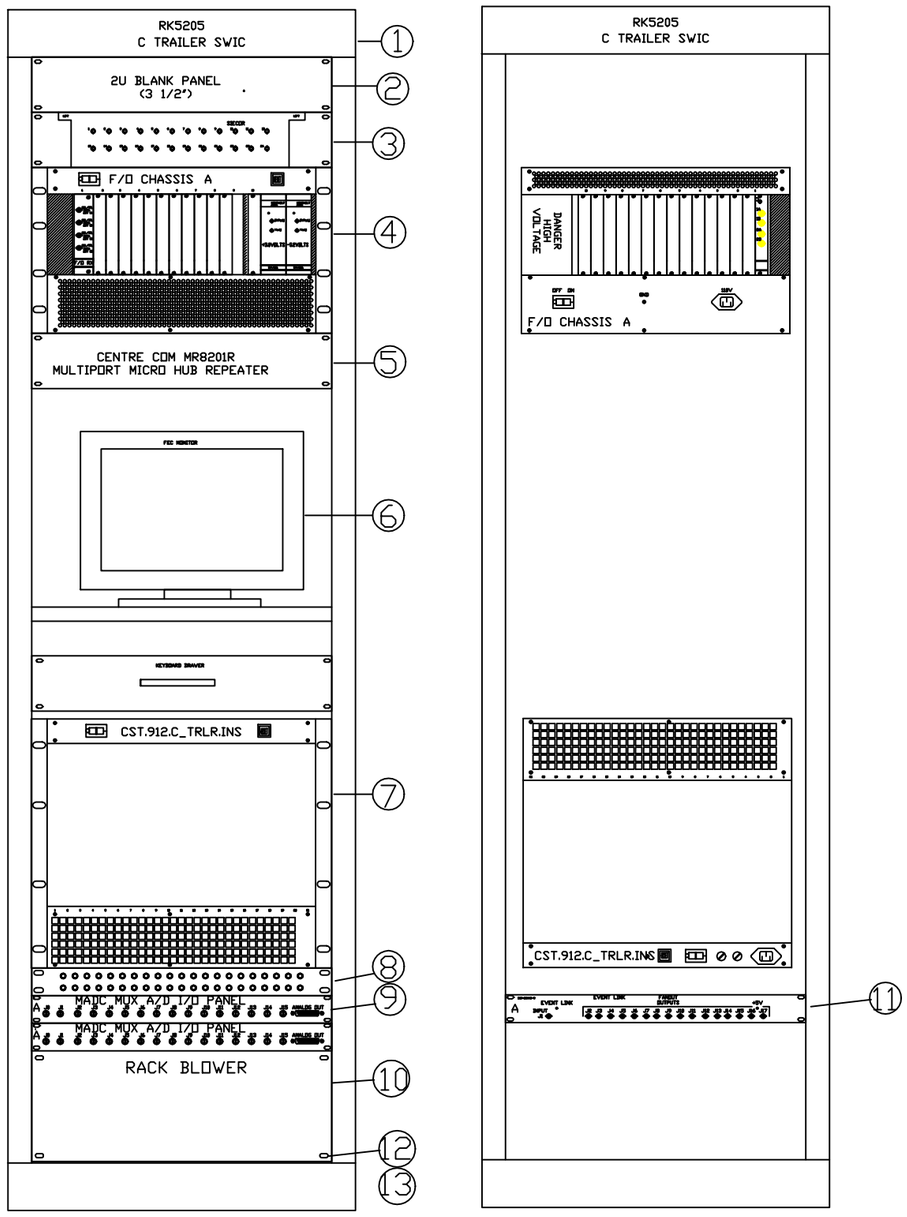
REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL 9/14/01 2:40 PM CTRAILER.dwg



FRONT

REAR

QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BNL NO.
		48	13	13	WASHER FINISHING	T84230
		48	12	12	OVAL HEAD SCREW 10-32 X 5/8	T59100
		1	11	11	FANOUT CHASSIS	DD9-E2442-5
		1	10	10	RACK BLOWER ASSY.	X
		2	9	9	MADC BREAKOUT PANEL (MODIFIED)	X
		1	8	8	GROMMET PANEL	94028410
		1	7	7	VME SWIC CHASSIS	X
		1	6	6	X WINDOWS TERMINAL	X
		1	5	5	ETHERNET HUB REPEATER	MR820TR
		1	4	4	3U C-TRAILER F/O CHASSIS	X
		1	3	3	SIECOR F/O TERMINATION BOX	CNP-024-15
		1	2	2	3.5" BLANK PANEL	A45503
		1	1	1	RACK	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	N.S.	12/01/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

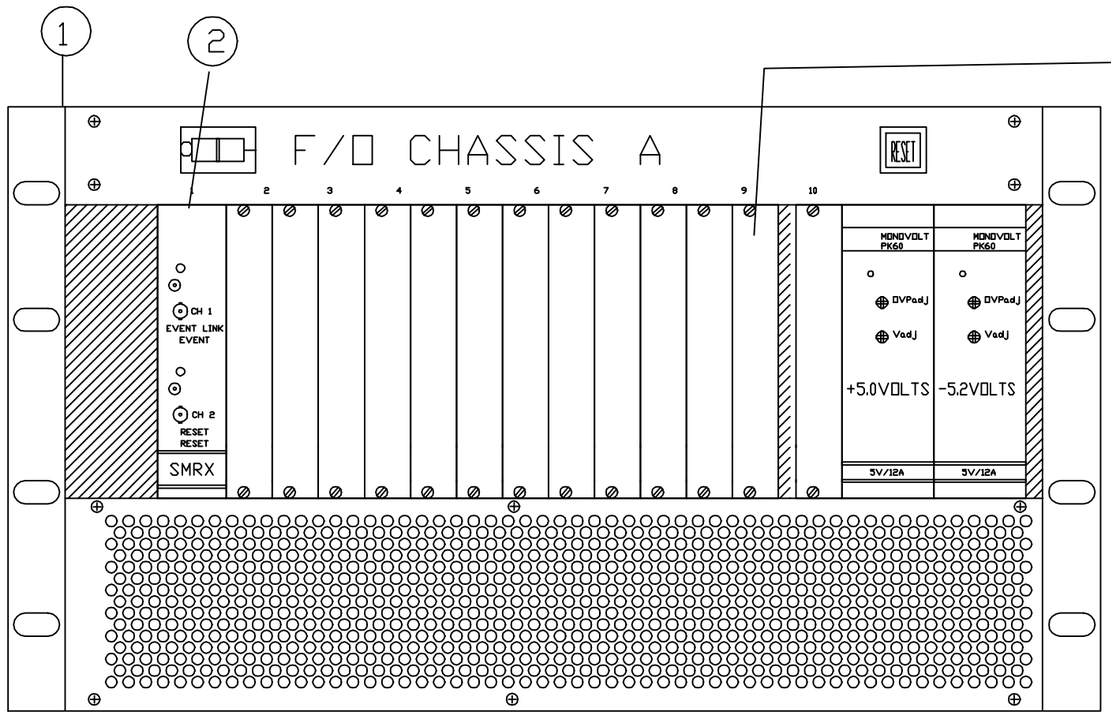
C-TRAILER SWIC
ASSEMBLY

SIZE D | DRAWING NUMBER | REV. A

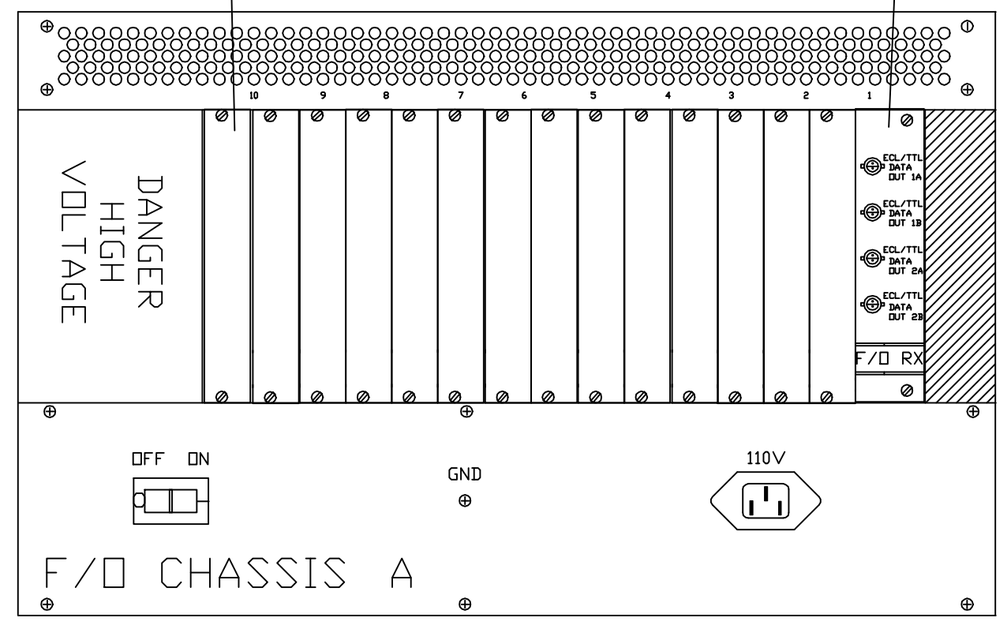
MATERIAL: ——— | SCALE: FULL | WEIGHT: – | SHEET 1 OF 1

*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.



FRONT VIEW



REAR VIEW

QTY REQD -3	QTY REQD -2	QTY REQD -1	REF DESIGNATOR	ITEM NO.	DESCRIPTION	MAT'L DWG NO.,BNL NO.
		18	4	4	BLANK PANELS 3U	X
		1	3	3	F/O RECIEVER TRANSITION MODULE	DD9-E-2542
		1	2	2	F/O RECIEVER	94028099
		1	1	1	F/O CHASSIS	ACS 94/3

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	N.S.	12/04/97
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

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

C TRAILER
F/O CHASSIS
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.

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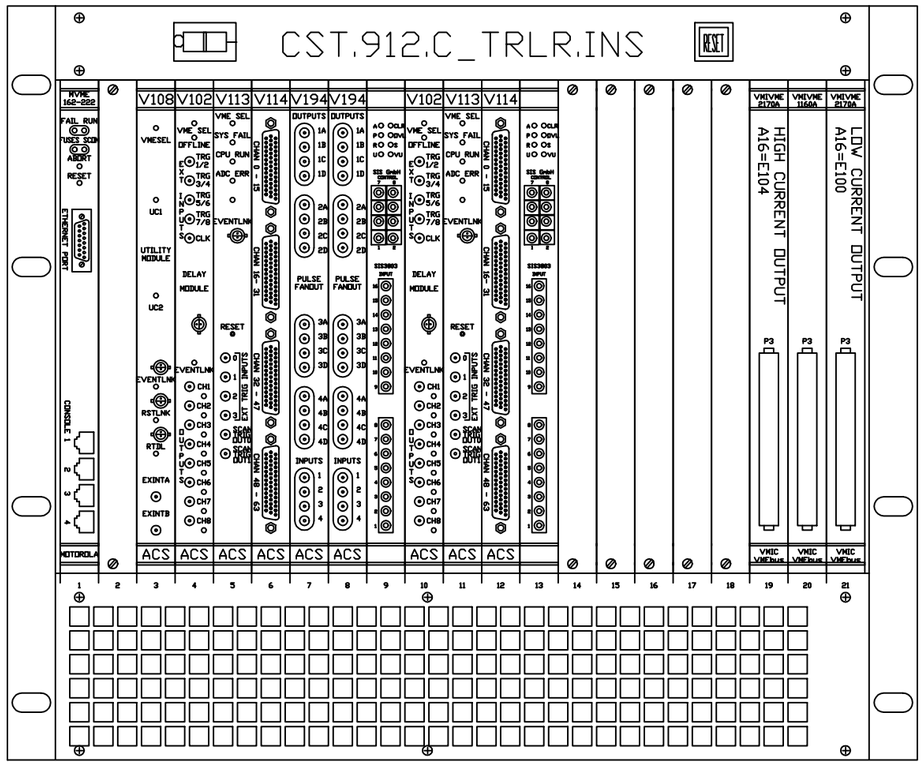
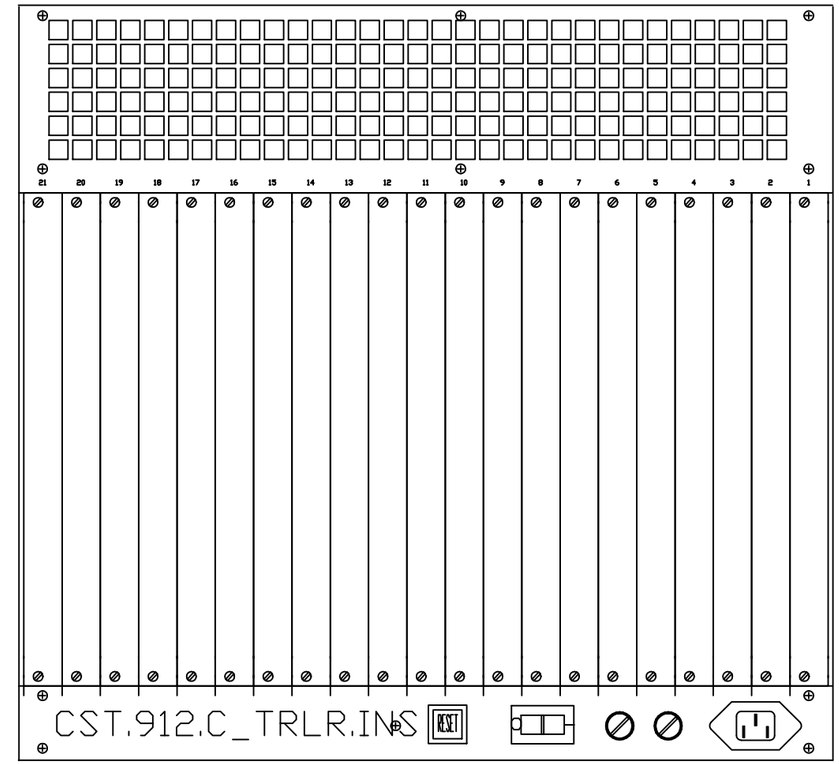




		2	SLOT 9, 13	12	SCALER MODULE		SIS 3803
		1	SLOT 20	11	DIGITAL INPUT		VMIVME 1160A
		1	SLOT 19	10	DIGITAL OUTPUT, HIGH CURRENT		VMIVME 2170A-210
		1	SLOT 21	9	DIGITAL OUTPUT, LOW CURRENT		VMIVME 2170A-200
		2	SLOT 7, 8	8	V194 FANOUT MODULE		94028196
		2	SLOT 6, 12	7	V114 MADC INPUT MODULE		94028226
		2	SLOT 5, 11	6	V113 MADC CONTROLLER MODULE		94028140
		2	SLOT 4, 10	5	V102 UTILITY MODULE		94028072
		1	SLOT 3	4	V108 UTILITY MODULE		94028094
		27	NOTE 1	3	6U BLANK PANELS		–
		1	SLOT1	2	CPU		MVME162-222
		1	N/A	1	VME CHASSIS 6U		93008000
-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

DRAWN BY N.S. DATE 1/3/01

CHECKED BY

DESIGN APPROVAL

ENGINEER APPROVAL

SUPVR. APPROVAL

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

C TRAILER

VME CHASSIS

ASSEMBLY

SIZE D

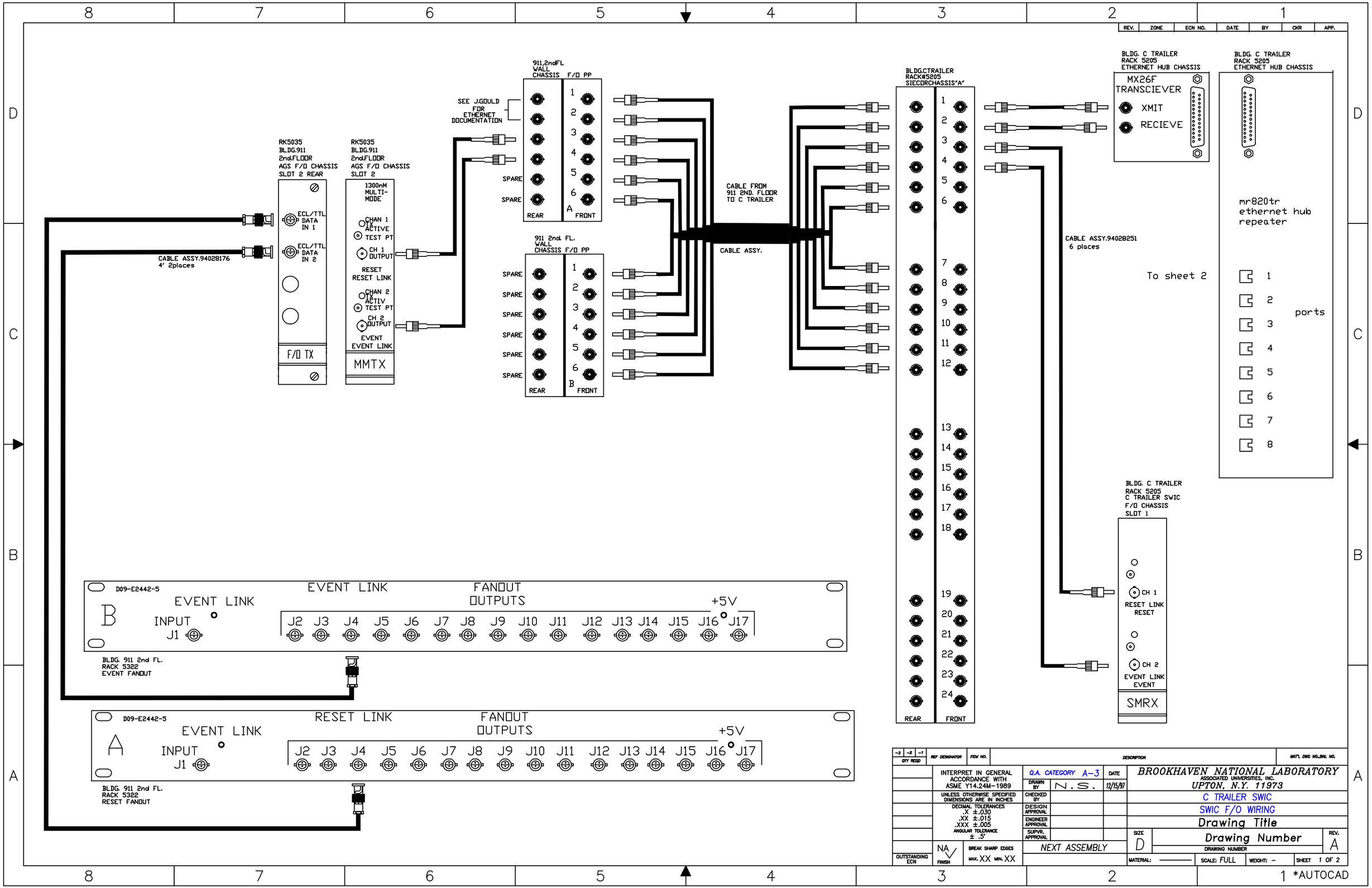
Drawing Number

DRAWING NUMBER

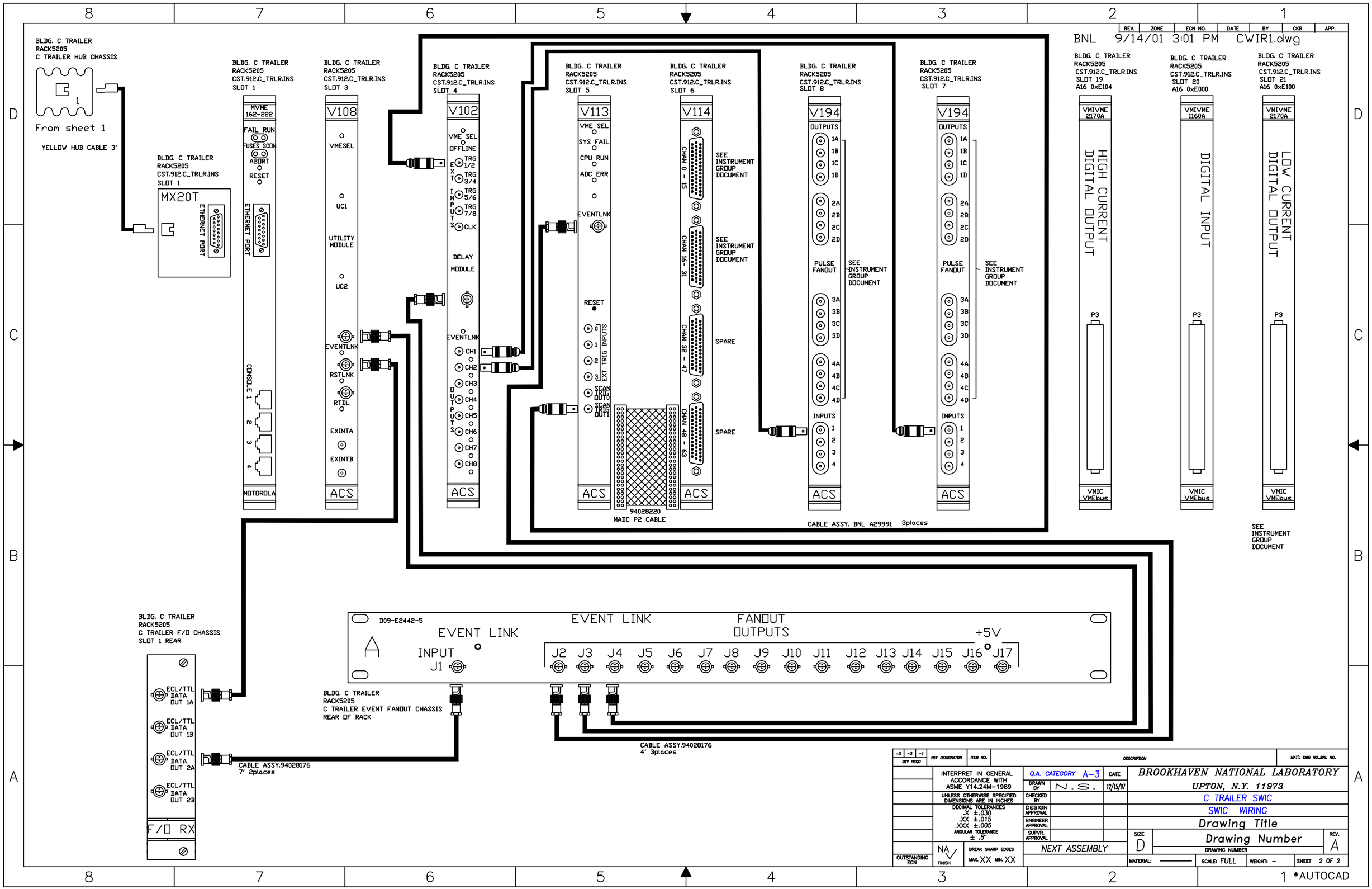
REV. A

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

*AUTOCAD



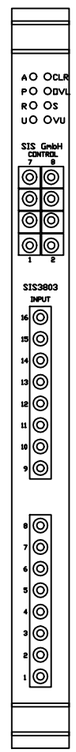
REV. ZONE ECN NO. DATE BY CKR APP.
911,2ndFL WALL CHASSIS F/O PP
SEE J.GOULD FOR ETHERNET DOCUMENTATION
RK5035 BLDG.911 2nd.FLOOR AGS F/O CHASSIS SLOT 2 REAR
ECL/TTL DATA IN 1
ECL/TTL DATA IN 2
F/O TX
RK5035 BLDG.911 2nd.FLOOR AGS F/O CHASSIS SLOT 2
1300nM MULTI-MODE
CHAN 1 TX ACTIVE TEST PT
CH 1 OUTPUT
RESET RESET LINK
CHAN 2 TX ACTIV TEST PT
CH 2 OUTPUT
EVENT EVENT LINK
MMTX
CABLE ASSY.94028176 4' 2places
SPARE
REAR
FRONT
911 2nd. FL. WALL CHASSIS F/O PP
CABLE FROM 911 2ND. FLOOR TO C TRAILER
CABLE ASSY.
BLDG.CTRAILER RACK#5205 SIECORCHASSIS"A"
REAR
FRONT
BLDG. C TRAILER RACK 5205 ETHERNET HUB CHASSIS
MX26F TRANSCIEVER
XMIT
RECIEVE
BLDG. C TRAILER RACK 5205 ETHERNET HUB CHASSIS
mr820tr ethernet hub repeater
ports
CABLE ASSY.94028251 6 places
To sheet 2
BLDG. C TRAILER RACK 5205 C TRAILER SWIC F/O CHASSIS SLOT 1
CH 1
RESET LINK RESET
CH 2
EVENT LINK EVENT
SMRX
D09-E2442-5
EVENT LINK
FANOUT OUTPUTS
+5V
INPUT J1
J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15 J16 J17
BLDG. 911 2nd FL. RACK 5322 EVENT FANOUT
RESET LINK
BLDG. 911 2nd FL. RACK 5322 RESET FANOUT
-3 -2 -1 QTY REQD
REF DESIGNATOR
ITEM NO.
DESCRIPTION
MAT'L DWG NO.,BNL NO.
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°
Q.A. CATEGORY A-3
DATE
DRAWN BY N.S. 12/15/97
CHECKED BY
DESIGN APPROVAL
ENGINEER APPROVAL
SUPVR. APPROVAL
NEXT ASSEMBLY
BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973
C TRAILER SWIC
SWIC F/O WIRING
Drawing Title
SIZE D
Drawing Number
REV. A
DRAWING NUMBER
OUTSTANDING ECN
NA FINISH
BREAK SHARP EDGES MAX. XX MIN. XX
MATERIAL:
SCALE: FULL
WEIGHT: -
SHEET 1 OF 2
1 *AUTOCAD


BNL 9/14/01 3:01 PM CWIR1.dwg
REV. ZONE ECN NO. DATE BY CKR APP.
BLDG. C TRAILER RACK5205 C TRAILER HUB CHASSIS
From sheet 1
YELLOW HUB CABLE 3'
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 1
MX20T
ETHERNET PORT
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 1
MVME 162-222
FAIL RUN
FUSES SCON
ABORT
RESET
ETHERNET PORT
CONSOLE 1
MOTOROLA
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 3
V108
VMESEL
UC1
UTILITY MODULE
UC2
EVENTLNK
RSTLNK
RTDL
EXINTA
EXINTB
ACS
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 4
V102
VME SEL
OFFLINE
EXT INPUTS
TRG 1/2
TRG 3/4
TRG 5/6
TRG 7/8
CLK
DELAY MODULE
EVENTLNK
OUTPUTS
CH1
CH2
CH3
CH4
CH5
CH6
CH7
CH8
ACS
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 5
V113
VME SEL
SYS FAIL
CPU RUN
ADC ERR
EVENTLNK
RESET
EXT TRIG INPUTS
SCAN TRIG OUT0
SCAN TRIG OUT1
ACS
94028220
MADC P2 CABLE
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 6
V114
CHAN 0 - 15
CHAN 16 - 31
CHAN 32 - 47
CHAN 48 - 63
SEE INSTRUMENT GROUP DOCUMENT
SEE INSTRUMENT GROUP DOCUMENT
SPARE
SPARE
ACS
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 8
V194
OUTPUTS
1A 1B 1C 1D
2A 2B 2C 2D
PULSE FANOUT
3A 3B 3C 3D
4A 4B 4C 4D
INPUTS
1 2 3 4
SEE INSTRUMENT GROUP DOCUMENT
ACS
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 7
V194
OUTPUTS
1A 1B 1C 1D
2A 2B 2C 2D
PULSE FANOUT
3A 3B 3C 3D
4A 4B 4C 4D
INPUTS
1 2 3 4
SEE INSTRUMENT GROUP DOCUMENT
ACS
CABLE ASSY. BNL A29991 3places
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 19 A16 0xE104
VMIVME 2170A
HIGH CURRENT DIGITAL OUTPUT
P3
VMIC VMEbus
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 20 A16 0xE000
VMIVME 1160A
DIGITAL INPUT
P3
VMIC VMEbus
BLDG. C TRAILER RACK5205 CST.912.C_TRLR.INS SLOT 21 A16 0xE100
VMIVME 2170A
LOW CURRENT DIGITAL OUTPUT
P3
VMIC VMEbus
SEE INSTRUMENT GROUP DOCUMENT
BLDG. C TRAILER RACK5205 C TRAILER F/O CHASSIS SLOT 1 REAR
ECL/TTL DATA OUT 1A
ECL/TTL DATA OUT 1B
ECL/TTL DATA OUT 2A
ECL/TTL DATA OUT 2B
F/O RX
CABLE ASSY.94028176 7' 2places
BLDG. C TRAILER RACK5205 C TRAILER EVENT FANOUT CHASSIS REAR OF RACK
D09-E2442-5
EVENT LINK INPUT J1
EVENT LINK FANOUT OUTPUTS
J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15 J16
+5V J17
CABLE ASSY.94028176 4' 3places
-3 -2 -1 QTY REQD
REF DESIGNATOR
ITEM NO.
DESCRIPTION
MAT'L DWG NO.,BNL NO.
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 12/15/97
DRAWN BY N.S.
CHECKED BY
DESIGN APPROVAL
ENGINEER APPROVAL
SUPVR. APPROVAL
NEXT ASSEMBLY
BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973
C TRAILER SWIC
SWIC WIRING
Drawing Title
SIZE D
Drawing Number
DRAWING NUMBER
REV. A
MATERIAL:
SCALE: FULL
WEIGHT: –
SHEET 2 OF 2
*AUTOCAD

REV.	ZONE	ECN NO.	DATE	BY	CKR	APP.

BNL 9/14/01 2:45 PM sis3808.dwg

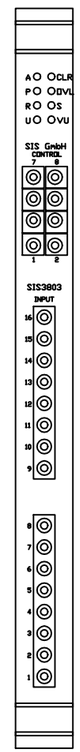
SIS 3808
BLDG #: C-Trailer
RACK #: C-trailer
CHASSIS ID: VMEACS XXX
SLOT #: 9
A32 BASE ADDRESS: 08383000



JUMPER LIST
J-A11=IN
EN32=IN
EN24=IN
EN16=IN
J500=IN
J520=IN
J115=OUT
J101-108=IN

SW_A32U=0
SW_A32L=8
SW_A24U=3
SW_A24L=8
SW_A16=3

SIS 3808
BLDG #: C-Trailer
RACK #: C-Trailer
CHASSIS ID: Controls
SLOT #: 13
A32 BASE ADDRESS: 08384000



JUMPER LIST
J-A11=IN
EN32=IN
EN24=IN
EN16=IN
J500=IN
J520=IN
J115=OUT
J101-108=IN

SW_A32U=0
SW_A32L=8
SW_A24U=3
SW_A24L=8
SW_A16=4

-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	Jason Ortiz	071801
CHECKED BY		
DESIGN APPROVAL		
ENGINEER APPROVAL		
SUPVR. APPROVAL		

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

C-Trailer
SIS 3808

Drawing Title

SIZE D
Drawing Number
DRAWING NUMBER
REV. A

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

*AUTOCAD