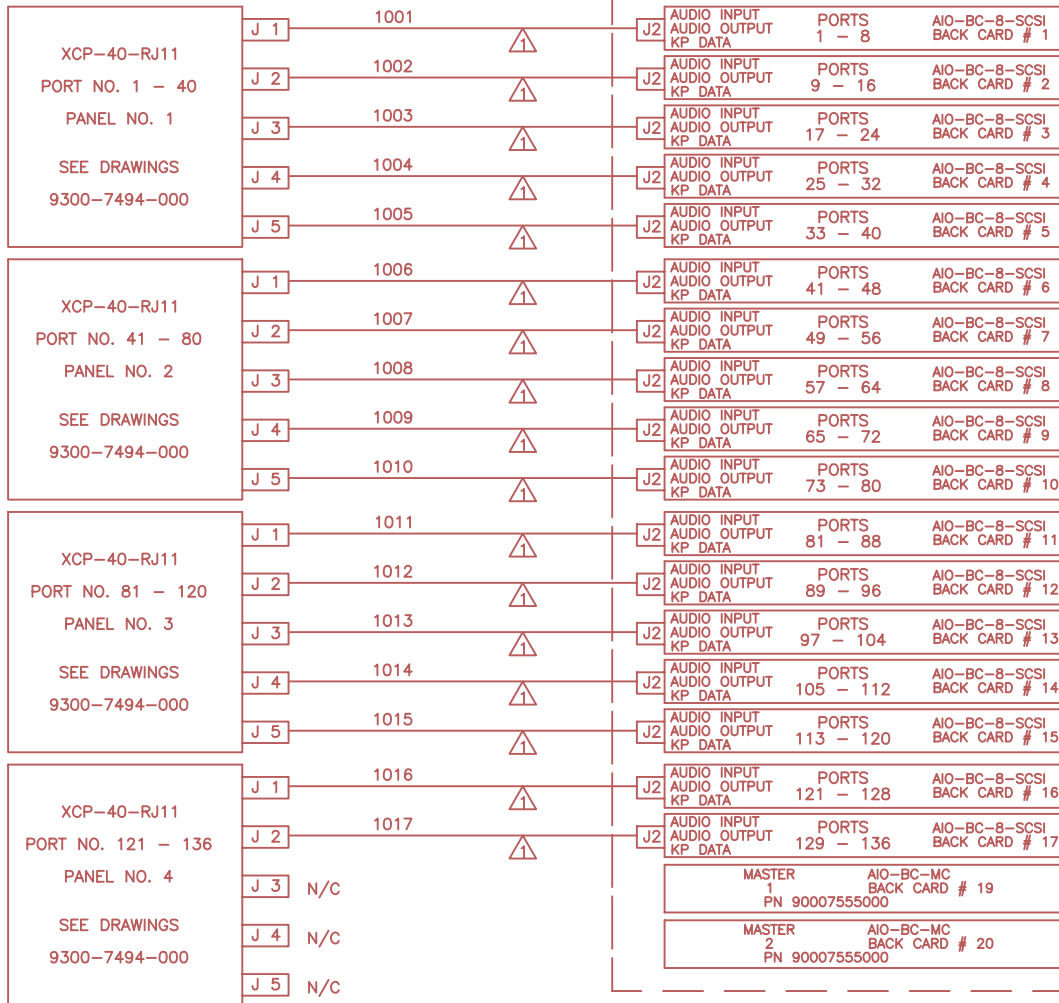
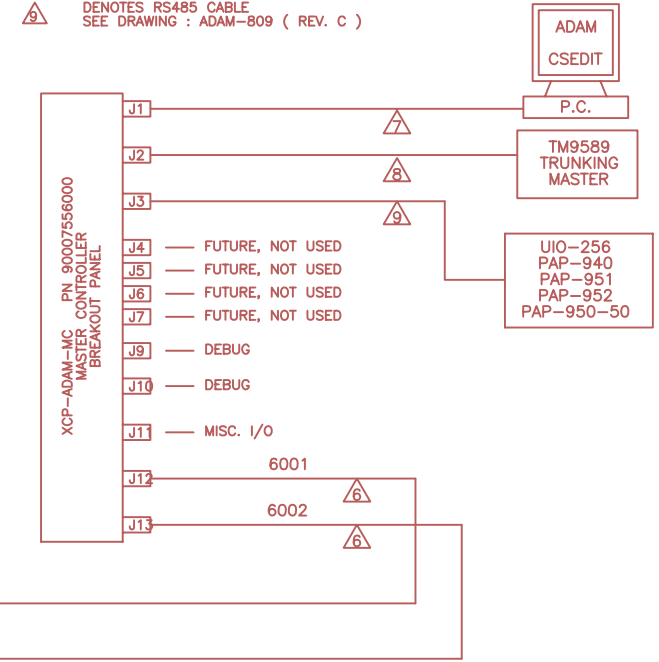


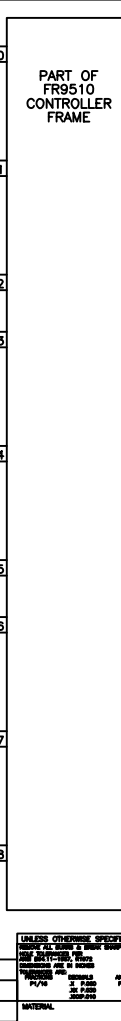


CABLE LEGENDS:

- △ DENOTES 25 PAIRS SCSI-2 CABLE
SEE DRAWING : ADAM-801 (REV. C)
- △ DENOTES 25 PAIRS TELCO CABLE
SEE DRAWING : ADAM-802 (REV. C)
- △ DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-803 (REV. C)
- △ DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-804 (REV. C)
- △ DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-805 (REV. C)
- △ DENOTES 68 PINS SCSI-2 CABLE
SEE DRAWING : ADAM-806 (REV. C)
- △ DENOTES RS232C CABLE
SEE DRAWING : ADAM-807 (REV. C)
- △ DENOTES RS485, RS422 CABLE
SEE DRAWING : ADAM-808 (REV. C)
- △ DENOTES RS485 CABLE
SEE DRAWING : ADAM-809 (REV. C)



UNLESS OTHERWISE SPECIFIED REQUIRE ALL MATERIALS TO BE SHOWN DRAWN BY: J. YAU, 29 OCT 98 CHECKED BY: W. YAU, 29 OCT 98 DESIGNED BY: J. YAU, 29 OCT 98 APPROVED BY: W. YAU, 29 OCT 98 PROJECT NO. 9300-7494-000		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA	
APPROVALS		DATE		ADAM INTERCOM SYSTEM XCP-40-RJ11 INTERCONNECT DIAGRAM	
DRAWN W. YAU		29 OCT 98		REV C	
CHECKED W. YAU		29 OCT 98		DWG NO. ADAM-101	
ISSUED				SCALE	
ADAM-101				SHEET	



386/486 PC

UNLESS OTHERWISE SPECIFIED		
REMOVE ALL RUBBER & BRASS SWAMP STOPS		
REMOVE TUBING AND		
AND GSA 11-HD, 8702		
CONCRETE ARE IN SINKS		
TO BE REMOVED AND		
PL/VS	REELS	AVAIL
	3. P.80	POD
	JK P.80	
	JOOP.80	
MATERIAL		
FINISH		

ADAM MATRIX FRAME

AIO-BC-8-SCSI BACK CARD #1	INPUT 1-8 OUTPUT 1-8 DATA 1-8	J 2	1001	△	J 1
AIO-BC-8-SCSI BACK CARD #2	INPUT 9-16 OUTPUT 9-16 DATA 9-16	J 2	1002	△	J 2
AIO-BC-8-SCSI BACK CARD #3	INPUT 17-24 OUTPUT 17-24 DATA 17-24	J 2	1003	△	J 3
AIO-BC-8-SCSI BACK CARD #4	INPUT 25-32 OUTPUT 25-32 DATA 25-32	J 2	1004	△	J 4
AIO-BC-8-SCSI BACK CARD #5	INPUT 33-40 OUTPUT 33-40 DATA 33-40	J 2	1005	△	J 5
AIO-BC-8-SCSI BACK CARD #6	INPUT 41-48 OUTPUT 41-48 DATA 41-48	J 2	1006	△	J 1
AIO-BC-8-SCSI BACK CARD #7	INPUT 49-56 OUTPUT 49-56 DATA 49-56	J 2	1007	△	J 2
AIO-BC-8-SCSI BACK CARD #8	INPUT 57-64 OUTPUT 57-64 DATA 57-64	J 2	1008	△	J 3
AIO-BC-8-SCSI BACK CARD #9	INPUT 65-72 OUTPUT 65-72 DATA 65-72	J 2	1009	△	J 4
AIO-BC-8-SCSI BACK CARD #10	INPUT 73-80 OUTPUT 73-80 DATA 73-80	J 2	1010	△	J 5
AIO-BC-8-SCSI BACK CARD #11	INPUT 81-88 OUTPUT 81-88 DATA 81-88	J 2	1011	△	J 1
AIO-BC-8-SCSI BACK CARD #12	INPUT 89-96 OUTPUT 89-96 DATA 89-96	J 2	1012	△	J 2
AIO-BC-8-SCSI BACK CARD #13	INPUT 97-104 OUTPUT 97-104 DATA 97-104	J 2	1013	△	J 3
AIO-BC-8-SCSI BACK CARD #14	INPUT 105-112 OUTPUT 105-112 DATA 105-112	J 2	1014	△	J 4
AIO-BC-8-SCSI BACK CARD #15	INPUT 113-120 OUTPUT 113-120 DATA 113-120	J 2	1015	△	J 5

ADAM MATRIX FRAME BACK CARDS

CARD 1 ON RIGHT HAND SIDE OF FRAME
AS VIEW DIRECTLY TO THE REAR OF FRAME

XCP-40-RJ11
PORT NO. 1 - 40
PANEL NO. 1
CONNECTORS AT
REAR OF PANEL

XCP-40-RJ11
PORT NO. 41 - 80
PANEL NO. 2
CONNECTORS AT
REAR OF PANEL

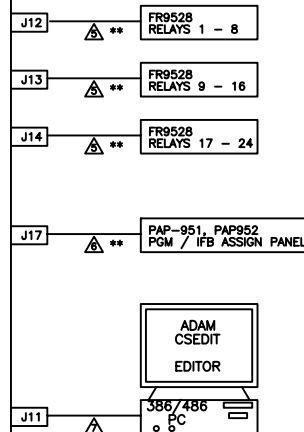
XCP-40-RJ11
PORT NO. 81 - 120
PANEL NO. 3
CONNECTORS AT
REAR OF PANEL

FR9510 CONTROLLER FRAME

KEYPANEL DATA 1 - 24	J29	2001	△	J 6
MATRIX DATA 1 - 40	J20	3001	△	J 7
KEYPANEL DATA 25 - 40	J30	2002	△	J 8
KEYPANEL DATA 41 - 64	J31	2003	△	J 6
MATRIX DATA 41 - 80	J23	3002	△	J 7
KEYPANEL DATA 65 - 80	J32	2004	△	J 8
KEYPANEL DATA 81 - 104	J33	2005	△	J 6
MATRIX DATA 81 - 120	J26	3003	△	J 7
KEYPANEL DATA 105 - 120	J34	2006	△	J 8

CABLE LEGENDS:

- △ DENOTES 25 PAIRS TELCO CABLE (REF ADAM-801 DWG)
- △ DENOTES KEY PANEL DATA CABLE (REF ADAM-802 DWG)
- △ DENOTES 25 PAIRS TO RJ45 BREAKOUT CABLE (REF ADAM-803 DWG)
- △ DENOTES RJ11 TO DEBP DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES 15 CONDUCTORS CONTROL CABLE (REF ADAM-804 DWG)
- △ DENOTES SINGLE PAIR PAP DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES RS232C DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES THREE PAIRS DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES 25 PAIRS SCSI-2 CABLE (REF ADAM-805 DWG)
- ** DENOTES CABLES NOT SUPPLIED BY TELEX



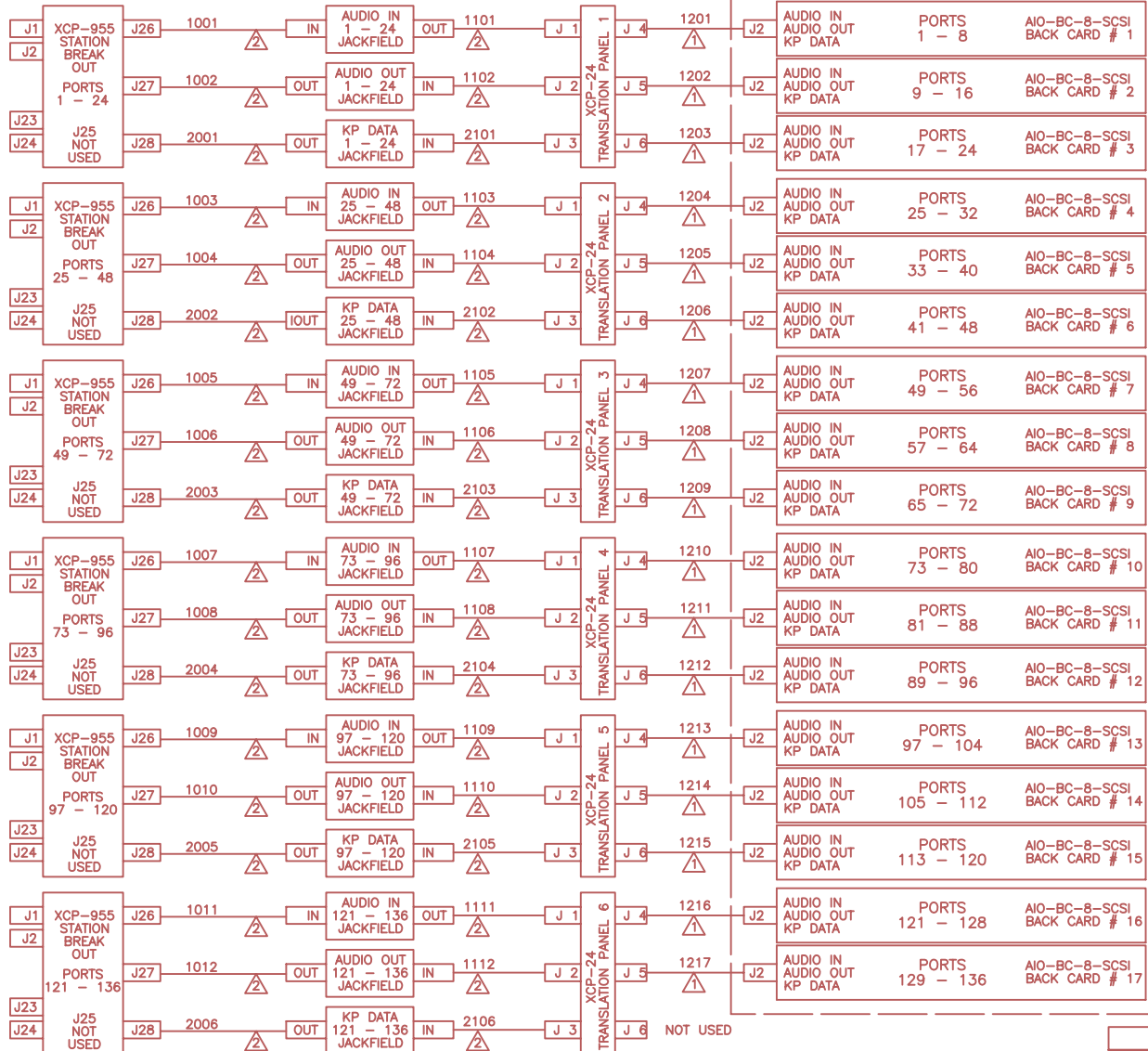
UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE
TOLERANCES ARE AS SHOWN
FINISH
MATERIAL
NEXT ASSY
USED ON
APPLICATION

CONTRACT NO.
APPROVALS DATE
DRAWN W. YAU 23 MAY 85
CHECKED W. YAU 23 MAY 85
ISSUED
ADAM-102

RTS SYSTEMS BURLINGAME, CALIFORNIA, USA

ADAM INTERCOM MATRIX
SYSTEM TO XCP-40-RJ11
SYSTEM CABLING DIAGRAM

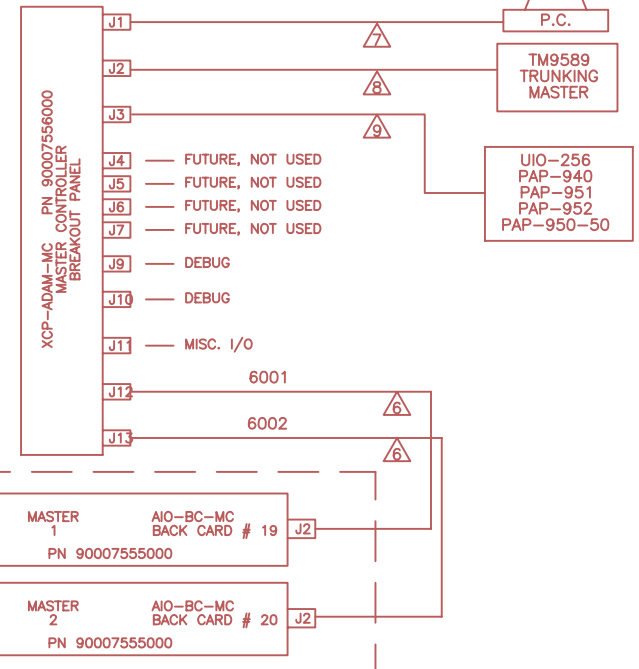
DESIGN NO. DWG NO. REV
D1 Adam102X
SCALE SHEET



CABLE LEGENDS:

- △ DENOTES 25 PAIRS SCSI-2 CABLE
SEE DRAWING : ADAM-801 (REV. C)
- △ DENOTES 25 PAIRS TELCO CABLE
SEE DRAWING : ADAM-802 (REV. C)
- △ DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-803 (REV. C)
- △ DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-804 (REV. C)
- △ DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-805 (REV. C)
- △ DENOTES 68 PINS SCSI-2 CABLE
SEE DRAWING : ADAM-806 (REV. C)
- △ DENOTES RS232C CABLE
SEE DRAWING : ADAM-807 (REV. C)
- △ DENOTES RS485, RS422 CABLE
SEE DRAWING : ADAM-808 (REV. C)
- △ DENOTES RS485 CABLE
SEE DRAWING : ADAM-809 (REV. C)

ADAM INTERCOM MATRIX FRAME



UNLESS OTHERWISE SPECIFIED
INDICATE ALL VALUES & MOUNT DIMENSIONS
FOR ALL DIMENSIONS, SEE
DRAWING: ADAM-801 TO 809
FOR ALL DIMENSIONS, SEE
DRAWING: ADAM-801 TO 809
FOR ALL DIMENSIONS, SEE
DRAWING: ADAM-801 TO 809

CONTRACT NO.		RTS SYSTEMS	
APPROVALS		DATE	
DRAWN W. YAU		29 OCT 89	
CHECKED W. YAU		29 OCT 89	
ISSUED			
MATERIAL			
NEXT ASSY		USED ON	
FINISH			
APPLICATION			
ADAM-103		SCALE	
ADAM-103		SHEET	

ADAM MATRIX FRAME

AIO-BC-8-SCSI BACK CARD #1	INPUT 1-8 OUTPUT 1-8 DATA 1-8	J 2	1001	J 1
AIO-BC-8-SCSI BACK CARD #2	INPUT 9-16 OUTPUT 9-16 DATA 9-16	J 2	1002	J 2
AIO-BC-8-SCSI BACK CARD #3	INPUT 17-24 OUTPUT 17-24 DATA 17-24	J 2	1003	J 3
AIO-BC-8-SCSI BACK CARD #4	INPUT 25-32 OUTPUT 25-32 DATA 25-32	J 2	1004	J 4
AIO-BC-8-SCSI BACK CARD #5	INPUT 33-40 OUTPUT 33-40 DATA 33-40	J 2	1005	J 5
AIO-BC-8-SCSI BACK CARD #6	INPUT 41-48 OUTPUT 41-48 DATA 41-48	J 2	1006	J 1
AIO-BC-8-SCSI BACK CARD #7	INPUT 49-56 OUTPUT 49-56 DATA 49-56	J 2	1007	J 2
AIO-BC-8-SCSI BACK CARD #8	INPUT 57-64 OUTPUT 57-64 DATA 57-64	J 2	1008	J 3
AIO-BC-8-SCSI BACK CARD #9	INPUT 65-72 OUTPUT 65-72 DATA 65-72	J 2	1009	J 4
AIO-BC-8-SCSI BACK CARD #10	INPUT 73-80 OUTPUT 73-80 DATA 73-80	J 2	1010	J 5
AIO-BC-8-SCSI BACK CARD #11	INPUT 81-88 OUTPUT 81-88 DATA 81-88	J 2	1011	J 1
AIO-BC-8-SCSI BACK CARD #12	INPUT 89-96 OUTPUT 89-96 DATA 89-96	J 2	1012	J 2
AIO-BC-8-SCSI BACK CARD #13	INPUT 97-104 OUTPUT 97-104 DATA 97-104	J 2	1013	J 3
AIO-BC-8-SCSI BACK CARD #14	INPUT 105-112 OUTPUT 105-112 DATA 105-112	J 2	1014	J 4
AIO-BC-8-SCSI BACK CARD #15	INPUT 113-120 OUTPUT 113-120 DATA 113-120	J 2	1015	J 5

ADAM MATRIX FRAME BACK CARDS

CARD 1 ON RIGHT HAND SIDE OF FRAME
AS VIEW DIRECTLY TO THE REAR OF FRAME

XCP-40-DB9
PORT NO. 1 - 40
PANEL NO. 1
CONNECTORS AT
REAR OF PANEL

XCP-40-DB9
PORT NO. 41 - 80
PANEL NO. 2
CONNECTORS AT
REAR OF PANEL

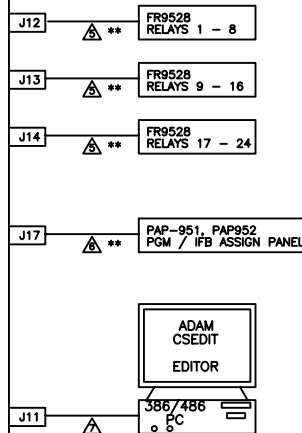
XCP-40-DB9
PORT NO. 81 - 120
PANEL NO. 3
CONNECTORS AT
REAR OF PANEL

FR9510 CONTROLLER FRAME

KEYPANEL DATA 1 - 24	J29	2001	J 6
MATRIX DATA 1 - 40	J20	3001	J 7
KEYPANEL DATA 25 - 40	J30	2002	J 8
KEYPANEL DATA 41 - 64	J31	2003	J 6
MATRIX DATA 41 - 80	J23	3002	J 7
KEYPANEL DATA 65 - 80	J32	2004	J 8
KEYPANEL DATA 81 - 104	J33	2005	J 6
MATRIX DATA 81 - 120	J26	3003	J 7
KEYPANEL DATA 105 - 120	J34	2006	J 8

CABLE LEGENDS:

- △ DENOTES 25 PAIRS TELCO CABLE (REF ADAM-801 DWG)
- △ DENOTES KEY PANEL DATA CABLE (REF ADAM-802 DWG)
- △ DENOTES 25 PAIRS TO RJ45 BREAKOUT CABLE (REF ADAM-803 DWG)
- △ DENOTES RJ11 TO DB9P DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES 15 CONDUCTORS CONTROL CABLE (REF ADAM-804 DWG)
- △ DENOTES SINGLE PAIR PAP DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES RS232C DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES THREE PAIRS DATA CABLE (REF ADAM-804 DWG)
- △ DENOTES 25 PAIRS SCSI-2 CABLE (REF ADAM-805 DWG)
- ** DENOTES CABLES NOT SUPPLIED BY TELEX



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE
TYPICAL DIMENSIONS ARE IN PARENTHESIS
DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE
DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE

CONTRACT NO.
APPROVALS DATE
DRAWN W. YAU 23 MAY 88
CHECKED W. YAU 23 MAY 88
ISSUED
ADAM-103

RTS SYSTEMS BURNING, CALIFORNIA, USA
ADAM INTERCOM MATRIX
SYSTEM TO XCP-40-DB9
SYSTEM CABLEING DIAGRAM
Dwg No. ADAM103X
SHEET

APPLICATION
NEXT ASSY USED ON
FRESH

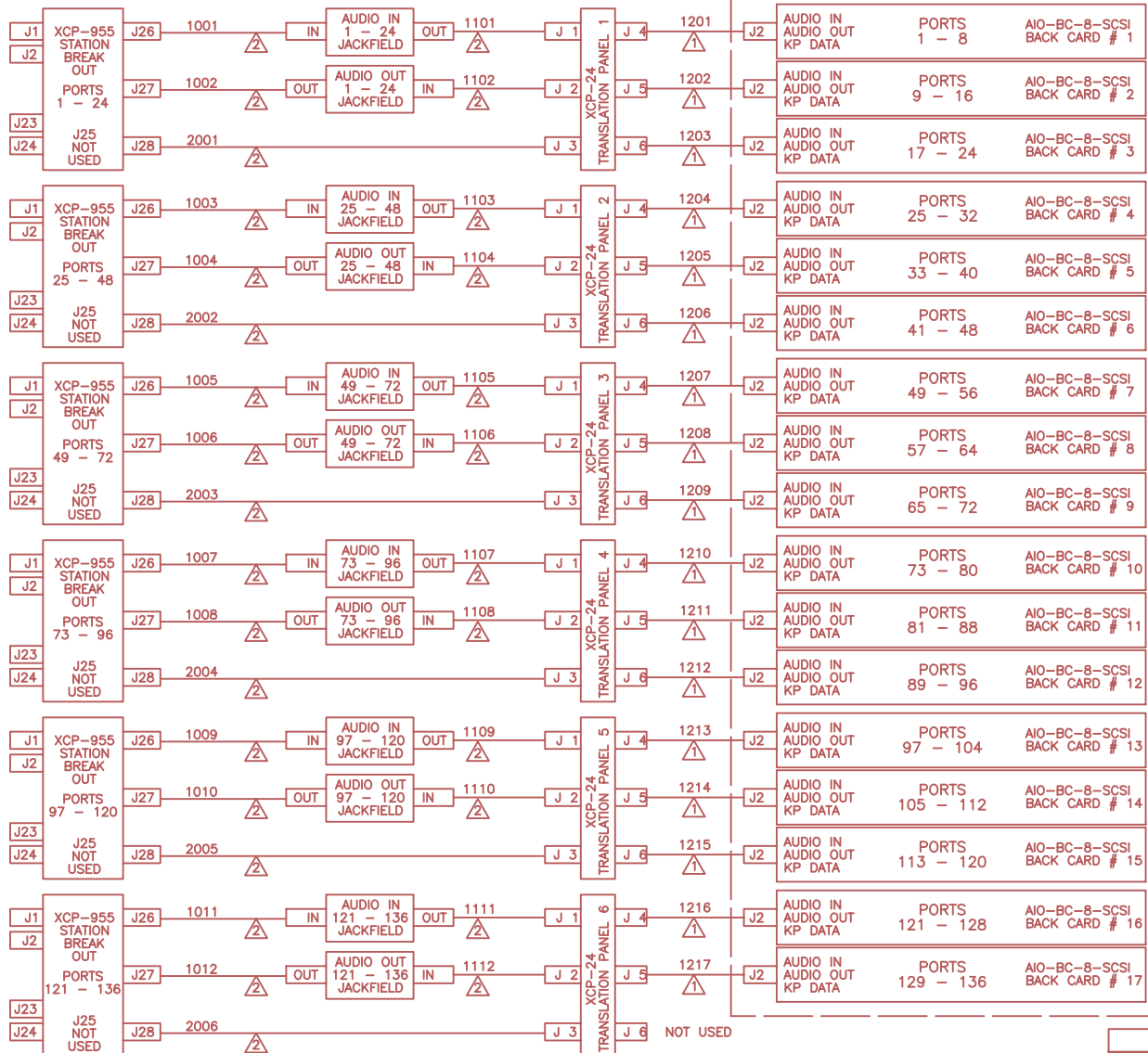


 DENOTES 25 PAIRS SCSI-2 CABLE
 SEE DRAWING : ADAM-801 (REV. C)
 DENOTES 25 PAIRS TELCO CABLE
 SEE DRAWING : ADAM-802 (REV. C)
 DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-803 (REV. C)
 DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-804 (REV. C)
 DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-805 (REV. C)
 DENOTES 68 PINS SCSI-2 CABLE
 SEE DRAWING : ADAM-806 (REV. C)
 DENOTES RS232C CABLE
 SEE DRAWING : ADAM-807 (REV. C)
 DENOTES RS485, RS422 CABLE
 SEE DRAWING : ADAM-808 (REV. C)
 DENOTES RS485 CABLE
 SEE DRAWING : ADAM-809 (REV. C)



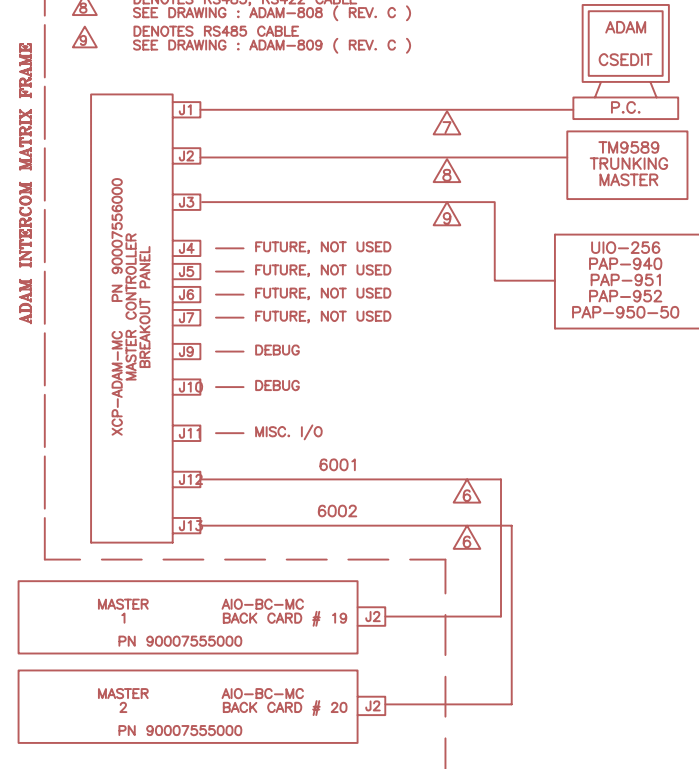
MASTER 2 PN 9000755000 AIC BAI

[illegible]



CABLE LEGENDS:

- | | |
|---|---|
| ① | <p> DENOTES 25 PAIRS SCSI-2 CABLE
 SEE DRAWING : ADAM-801 (REV. C) </p> |
| ② | <p> DENOTES 25 PAIRS TELCO CABLE
 SEE DRAWING : ADAM-802 (REV. C) </p> |
| ③ | <p> DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-803 (REV. C) </p> |
| ④ | <p> DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-804 (REV. C) </p> |
| ⑤ | <p> DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-805 (REV. C) </p> |
| ⑥ | <p> DENOTES 68 PINS SCSI-2 CABLE
 SEE DRAWING : ADAM-806 (REV. C) </p> |
| ⑦ | <p> DENOTES RS232C CABLE
 SEE DRAWING : ADAM-807 (REV. C) </p> |
| ⑧ | <p> DENOTES RS485, RS422 CABLE
 SEE DRAWING : ADAM-808 (REV. C) </p> |
| ⑨ | <p> DENOTES RS485 CABLE
 SEE DRAWING : ADAM-809 (REV. C) </p> |



UNLESS OTHERWISE SPECIFIED		
REMOVE ALL BURRS & BREAK SHARP EDGES		
HOLE TOLERANCES PER		
ANSI B94.11-1987, R1972		
DIMENSIONS ARE IN INCHES		
TOLERANCES	ARE	
FRACTIONS		DECIMALS
P1/16		.X P.080
		.XX P.030
		.XXX P.010

25	CONTRACT NO.	
	APPROVALS	DATE
	DRAWN W. YAU	29 OCT 1991

RTS SYSTEMS BURBANK, CALIFORNIA, USA

ADAM
INTERCOM SYSTEM
XCP-955 / JACKFIELDS / SCSI
INTERCONNECT DIAGRAM

NO.	REV
ADAM-105	C

APPLICATION

ADAM-105

SCALE

SHEET



 DENOTES 25 PAIRS SCSI-2 CABLE
 SEE DRAWING : ADAM-801 (REV. C)

 DENOTES 25 PAIRS TELCO CABLE
 SEE DRAWING : ADAM-803 (REV. C)

 DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-803 (REV. C)

 DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-803 (REV. C)

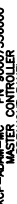
 DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-805 (REV. C)

 DENOTES 68 PINS SCSI-2 CABLE
 SEE DRAWING : ADAM-806 (REV. C)

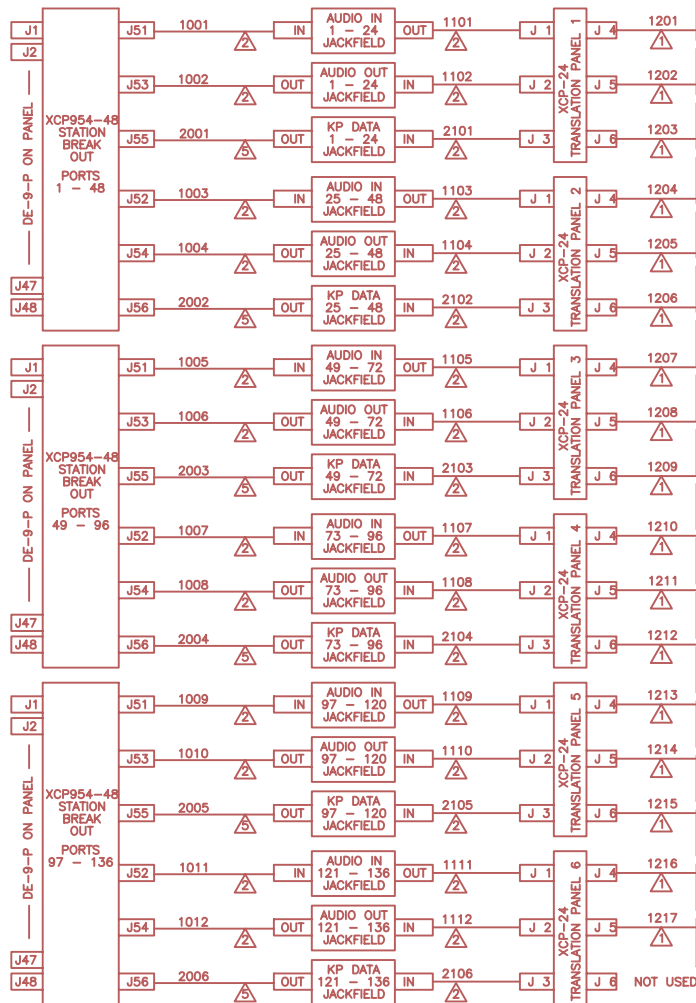
 DENOTES RS232C CABLE
 SEE DRAWING : ADAM-807 (REV. C)

 DENOTES RS485, RS422 CABLE
 SEE DRAWING : ADAM-808 (REV. C)

 DENOTES RS485 CABLE
 SEE DRAWING : ADAM-809 (REV. C)



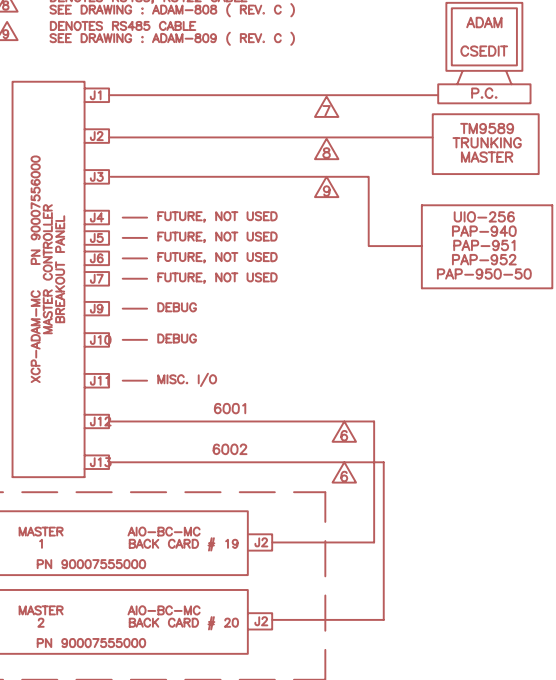
LABELS CHARGING SPECIFIED BY THE USER. IF USER NOT SPECIFIED, THE USER IS RESPONSIBLE FOR THE CHARGES OF THE LABELS. P/N 70 100 000 000 000 000 100 000 000 000 000 000		CONTRACT NO. APPROVALS DATE GIVEN W. YAU 29 OCT 87 CHECKED W. YAU 29 OCT 87 REUSED ADAM-106		RTS SYSTEMS BUREAU, CALIFORNIA, USA ADAM INTERCOM SYSTEM / RJ45 XCP-955 / JACKFIELDS / RJ45 INTERCONNECT DIAGRAM USED FROM NO. D DSG NO. ADAM-106 REV C SCALE 1:1 INCH	
---	--	--	--	---	--



AUDIO IN AUDIO OUT KP DATA	PORTS 1 - 8	AIO-BC-8-SCSI BACK CARD # 1
AUDIO IN AUDIO OUT KP DATA	PORTS 9 - 16	AIO-BC-8-SCSI BACK CARD # 2
AUDIO IN AUDIO OUT KP DATA	PORTS 17 - 24	AIO-BC-8-SCSI BACK CARD # 3
AUDIO IN AUDIO OUT KP DATA	PORTS 25 - 32	AIO-BC-8-SCSI BACK CARD # 4
AUDIO IN AUDIO OUT KP DATA	PORTS 33 - 40	AIO-BC-8-SCSI BACK CARD # 5
AUDIO IN AUDIO OUT KP DATA	PORTS 41 - 48	AIO-BC-8-SCSI BACK CARD # 6
AUDIO IN AUDIO OUT KP DATA	PORTS 49 - 56	AIO-BC-8-SCSI BACK CARD # 7
AUDIO IN AUDIO OUT KP DATA	PORTS 57 - 64	AIO-BC-8-SCSI BACK CARD # 8
AUDIO IN AUDIO OUT KP DATA	PORTS 65 - 72	AIO-BC-8-SCSI BACK CARD # 9
AUDIO IN AUDIO OUT KP DATA	PORTS 73 - 80	AIO-BC-8-SCSI BACK CARD # 10
AUDIO IN AUDIO OUT KP DATA	PORTS 81 - 88	AIO-BC-8-SCSI BACK CARD # 11
AUDIO IN AUDIO OUT KP DATA	PORTS 89 - 96	AIO-BC-8-SCSI BACK CARD # 12
AUDIO IN AUDIO OUT KP DATA	PORTS 97 - 104	AIO-BC-8-SCSI BACK CARD # 13
AUDIO IN AUDIO OUT KP DATA	PORTS 105 - 112	AIO-BC-8-SCSI BACK CARD # 14
AUDIO IN AUDIO OUT KP DATA	PORTS 113 - 120	AIO-BC-8-SCSI BACK CARD # 15
AUDIO IN AUDIO OUT KP DATA	PORTS 121 - 128	AIO-BC-8-SCSI BACK CARD # 16
AUDIO IN AUDIO OUT KP DATA	PORTS 129 - 136	AIO-BC-8-SCSI BACK CARD # 17

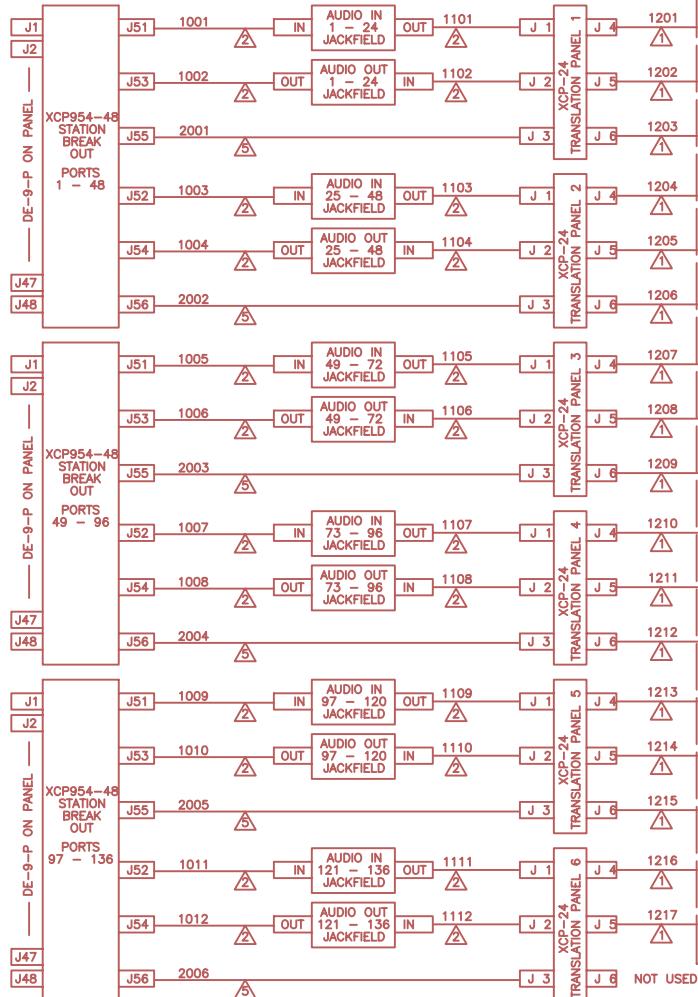
ADAM INTERCOM MATRIX

CABLE LEGENDS:
 △ DENOTES 25 PAIRS SCSI-2 CABLE
 SEE DRAWING : ADAM-801 (REV. C)
 △ DENOTES 25 PAIRS TELCO CABLE
 SEE DRAWING : ADAM-802 (REV. C)
 △ DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-804 (REV. C)
 △ DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE
 SEE DRAWING : ADAM-805 (REV. C)
 △ DENOTES 68 PINS SCSI-2 CABLE
 SEE DRAWING : ADAM-806 (REV. C)
 △ DENOTES RS232C CABLE
 SEE DRAWING : ADAM-807 (REV. C)
 △ DENOTES RS485, RS422 CABLE
 SEE DRAWING : ADAM-808 (REV. C)
 △ DENOTES RS485 CABLE
 SEE DRAWING : ADAM-809 (REV. C)



UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING DIMENSIONS AND TOLERANCES DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES F/16 0.0005 0.0005 0.0005		CONTRACT NO.	
APPROVALS		DATE	
DRAWN W. YAU		10/29/98	
CHECKED W. YAU		10/29/98	
ISSUED		REV. NO.	
D		ADAM-107	
SCALE		SHEET	

RTS SYSTEMS
 BUREAU, CALIFORNIA, USA
 ADAM INTERCOM SYSTEM
 XCP954-48 (9 pin data) SCISI
 AUDIO & DATA JACKFIELDS
 INTERCONNECT DIAGRAM

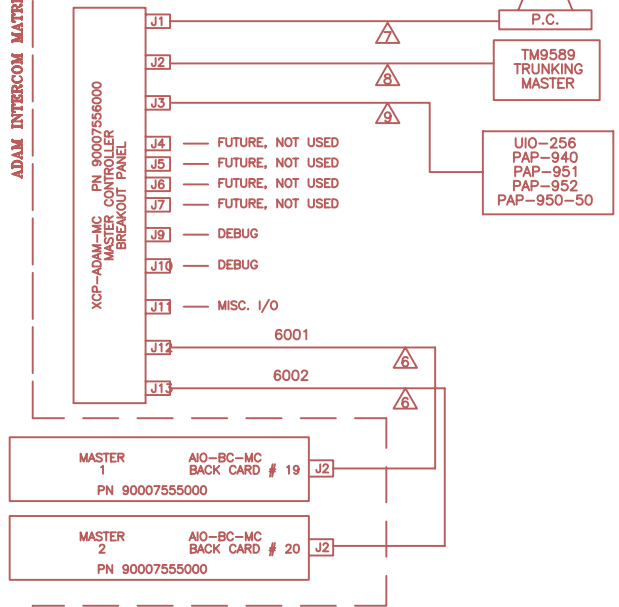


AUDIO IN AUDIO OUT KP DATA	PORTS 1 - 8	AIO-BC-8-SCSI BACK CARD # 1
AUDIO IN AUDIO OUT KP DATA	PORTS 9 - 16	AIO-BC-8-SCSI BACK CARD # 2
AUDIO IN AUDIO OUT KP DATA	PORTS 17 - 24	AIO-BC-8-SCSI BACK CARD # 3
AUDIO IN AUDIO OUT KP DATA	PORTS 25 - 32	AIO-BC-8-SCSI BACK CARD # 4
AUDIO IN AUDIO OUT KP DATA	PORTS 33 - 40	AIO-BC-8-SCSI BACK CARD # 5
AUDIO IN AUDIO OUT KP DATA	PORTS 41 - 48	AIO-BC-8-SCSI BACK CARD # 6
AUDIO IN AUDIO OUT KP DATA	PORTS 49 - 56	AIO-BC-8-SCSI BACK CARD # 7
AUDIO IN AUDIO OUT KP DATA	PORTS 57 - 64	AIO-BC-8-SCSI BACK CARD # 8
AUDIO IN AUDIO OUT KP DATA	PORTS 65 - 72	AIO-BC-8-SCSI BACK CARD # 9
AUDIO IN AUDIO OUT KP DATA	PORTS 73 - 80	AIO-BC-8-SCSI BACK CARD # 10
AUDIO IN AUDIO OUT KP DATA	PORTS 81 - 88	AIO-BC-8-SCSI BACK CARD # 11
AUDIO IN AUDIO OUT KP DATA	PORTS 89 - 96	AIO-BC-8-SCSI BACK CARD # 12
AUDIO IN AUDIO OUT KP DATA	PORTS 97 - 104	AIO-BC-8-SCSI BACK CARD # 13
AUDIO IN AUDIO OUT KP DATA	PORTS 105 - 112	AIO-BC-8-SCSI BACK CARD # 14
AUDIO IN AUDIO OUT KP DATA	PORTS 113 - 120	AIO-BC-8-SCSI BACK CARD # 15
AUDIO IN AUDIO OUT KP DATA	PORTS 121 - 128	AIO-BC-8-SCSI BACK CARD # 16
AUDIO IN AUDIO OUT KP DATA	PORTS 129 - 136	AIO-BC-8-SCSI BACK CARD # 17

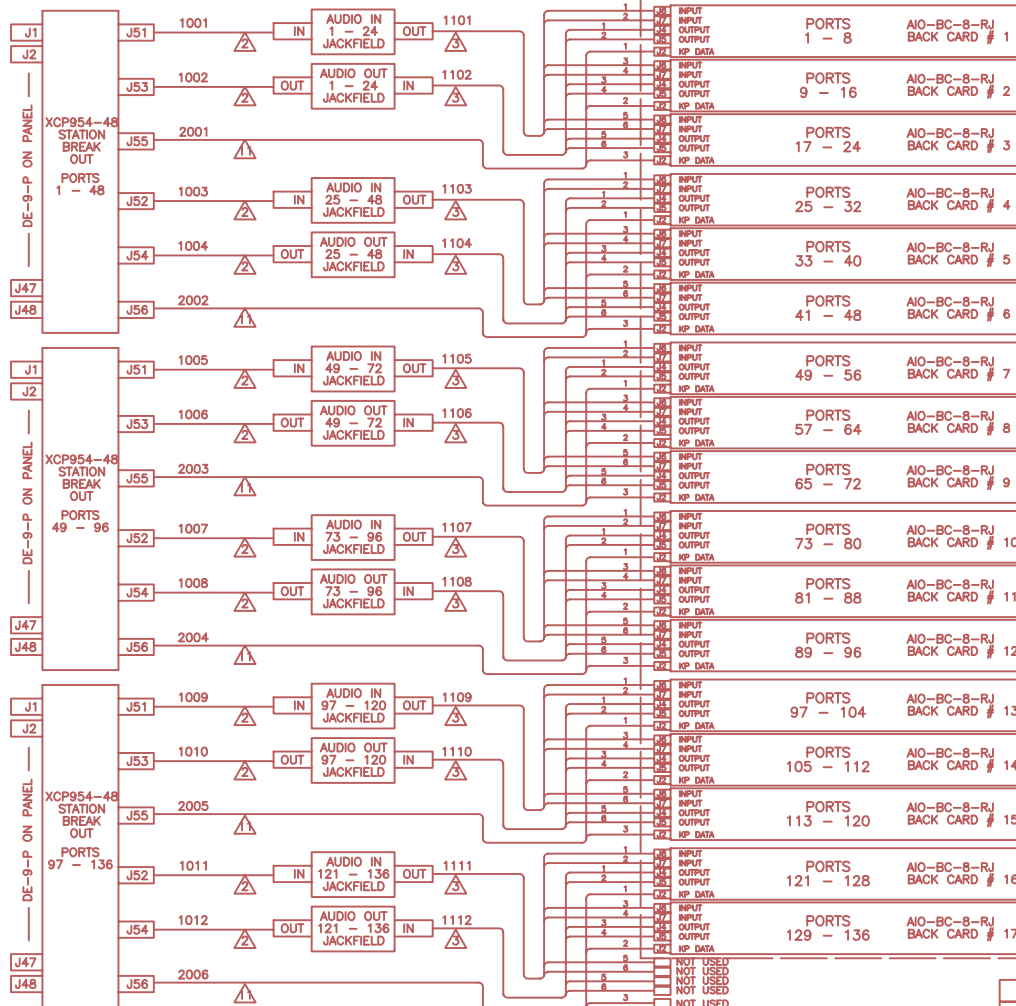
ADAM INTERCOM MATRIX

CABLE LEGENDS:

- △ DENOTES 25 PAIRS SCSI-2 CABLE
SEE DRAWING : ADAM-801 (REV. C)
- △ DENOTES 25 PAIRS TELCO CABLE
SEE DRAWING : ADAM-802 (REV. C)
- △ DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-803 (REV. C)
- △ DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-804 (REV. C)
- △ DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE
SEE DRAWING : ADAM-805 (REV. C)
- △ DENOTES 68 PINS SCSI-2 CABLE
SEE DRAWING : ADAM-806 (REV. C)
- △ DENOTES RS232C CABLE
SEE DRAWING : ADAM-807 (REV. C)
- △ DENOTES RS485, RS422 CABLE
SEE DRAWING : ADAM-808 (REV. C)
- △ DENOTES RS485 CABLE
SEE DRAWING : ADAM-809 (REV. C)

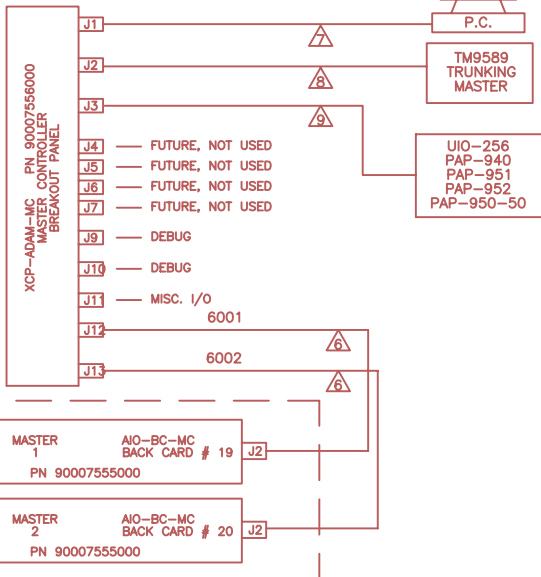


UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING DIMENSIONS ALL DIMENSIONS IN INCHES FRACTIONS DECIMALS 1/16 3/32 1/8 5/16 3/8 1/2 5/8 3/4 7/8 1 1 1/4 1 1/2 1 3/4 2 2 1/4 2 1/2 3 3 1/4 3 1/2 4 4 1/4 4 1/2 5 5 1/4 5 1/2 6 6 1/4 6 1/2 7 7 1/4 7 1/2 8 8 1/4 8 1/2 9 9 1/4 9 1/2 10 10 1/4 10 1/2 11 11 1/4 11 1/2 12 12 1/4 12 1/2 13 13 1/4 13 1/2 14 14 1/4 14 1/2 15 15 1/4 15 1/2 16 16 1/4 16 1/2 17 17 1/4 17 1/2 18 18 1/4 18 1/2 19 19 1/4 19 1/2 20 20 1/4 20 1/2 21 21 1/4 21 1/2 22 22 1/4 22 1/2 23 23 1/4 23 1/2 24 24 1/4 24 1/2 25 25 1/4 25 1/2 26 26 1/4 26 1/2 27 27 1/4 27 1/2 28 28 1/4 28 1/2 29 29 1/4 29 1/2 30 30 1/4 30 1/2 31 31 1/4 31 1/2 32 32 1/4 32 1/2 33 33 1/4 33 1/2 34 34 1/4 34 1/2 35 35 1/4 35 1/2 36 36 1/4 36 1/2 37 37 1/4 37 1/2 38 38 1/4 38 1/2 39 39 1/4 39 1/2 40 40 1/4 40 1/2 41 41 1/4 41 1/2 42 42 1/4 42 1/2 43 43 1/4 43 1/2 44 44 1/4 44 1/2 45 45 1/4 45 1/2 46 46 1/4 46 1/2 47 47 1/4 47 1/2 48 48 1/4 48 1/2 49 49 1/4 49 1/2 50 50 1/4 50 1/2 51 51 1/4 51 1/2 52 52 1/4 52 1/2 53 53 1/4 53 1/2 54 54 1/4 54 1/2 55 55 1/4 55 1/2 56 56 1/4 56 1/2 57 57 1/4 57 1/2 58 58 1/4 58 1/2 59 59 1/4 59 1/2 60 60 1/4 60 1/2 61 61 1/4 61 1/2 62 62 1/4 62 1/2 63 63 1/4 63 1/2 64 64 1/4 64 1/2 65 65 1/4 65 1/2 66 66 1/4 66 1/2 67 67 1/4 67 1/2 68 68 1/4 68 1/2 69 69 1/4 69 1/2 70 70 1/4 70 1/2 71 71 1/4 71 1/2 72 72 1/4 72 1/2 73 73 1/4 73 1/2 74 74 1/4 74 1/2 75 75 1/4 75 1/2 76 76 1/4 76 1/2 77 77 1/4 77 1/2 78 78 1/4 78 1/2 79 79 1/4 79 1/2 80 80 1/4 80 1/2 81 81 1/4 81 1/2 82 82 1/4 82 1/2 83 83 1/4 83 1/2 84 84 1/4 84 1/2 85 85 1/4 85 1/2 86 86 1/4 86 1/2 87 87 1/4 87 1/2 88 88 1/4 88 1/2 89 89 1/4 89 1/2 90 90 1/4 90 1/2 91 91 1/4 91 1/2 92 92 1/4 92 1/2 93 93 1/4 93 1/2 94 94 1/4 94 1/2 95 95 1/4 95 1/2 96 96 1/4 96 1/2 97 97 1/4 97 1/2 98 98 1/4 98 1/2 99 99 1/4 99 1/2 100 100 1/4 100 1/2 101 101 1/4 101 1/2 102 102 1/4 102 1/2 103 103 1/4 103 1/2 104 104 1/4 104 1/2 105 105 1/4 105 1/2 106 106 1/4 106 1/2 107 107 1/4 107 1/2 108 108 1/4 108 1/2 109 109 1/4 109 1/2 110 110 1/4 110 1/2 111 111 1/4 111 1/2 112 112 1/4 112 1/2 113 113 1/4 113 1/2 114 114 1/4 114 1/2 115 115 1/4 115 1/2 116 116 1/4 116 1/2 117 117 1/4 117 1/2 118 118 1/4 118 1/2 119 119 1/4 119 1/2 120 120 1/4 120 1/2 121 121 1/4 121 1/2 122 122 1/4 122 1/2 123 123 1/4 123 1/2 124 124 1/4 124 1/2 125 125 1/4 125 1/2 126 126 1/4 126 1/2 127 127 1/4 127 1/2 128 128 1/4 128 1/2 129 129 1/4 129 1/2 130 130 1/4 130 1/2 131 131 1/4 131 1/2 132 132 1/4 132 1/2 133 133 1/4 133 1/2 134 134 1/4 134 1/2 135 135 1/4 135 1/2 136 136 1/4 136 1/2 137 137 1/4 137 1/2 138 138 1/4 138 1/2 139 139 1/4 139 1/2 140 140 1/4 140 1/2 141 141 1/4 141 1/2 142 142 1/4 142 1/2 143 143 1/4 143 1/2 144 144 1/4 144 1/2 145 145 1/4 145 1/2 146 146 1/4 146 1/2 147 147 1/4 147 1/2 148 148 1/4 148 1/2 149 149 1/4 149 1/2 150 150 1/4 150 1/2 151 151 1/4 151 1/2 152 152 1/4 152 1/2 153 153 1/4 153 1/2 154 154 1/4 154 1/2 155 155 1/4 155 1/2 156 156 1/4 156 1/2 157 157 1/4 157 1/2 158 158 1/4 158 1/2 159 159 1/4 159 1/2 160 160 1/4 160 1/2 161 161 1/4 161 1/2 162 162 1/4 162 1/2 163 163 1/4 163 1/2 164 164 1/4 164 1/2 165 165 1/4 165 1/2 166 166 1/4 166 1/2 167 167 1/4 167 1/2 168 168 1/4 168 1/2 169 169 1/4 169 1/2 170 170 1/4 170 1/2 171 171 1/4 171 1/2 172 172 1/4 172 1/2 173 173 1/4 173 1/2 174 174 1/4 174 1/2 175 175 1/4 175 1/2 176 176 1/4 176 1/2 177 177 1/4 177 1/2 178 178 1/4 178 1/2 179 179 1/4 179 1/2 180 180 1/4 180 1/2 181 181 1/4 181 1/2 182 182 1/4 182 1/2 183 183 1/4 183 1/2 184 184 1/4 184 1/2 185 185 1/4 185 1/2 186 186 1/4 186 1/2 187 187 1/4 187 1/2 188 188 1/4 188 1/2 189 189 1/4 189 1/2 190 190 1/4 190 1/2 191 191 1/4 191 1/2 192 192 1/4 192 1/2 193 193 1/4 193 1/2 194 194 1/4 194 1/2 195 195 1/4 195 1/2 196 196 1/4 196 1/2 197 197 1/4 197 1/2 198 198 1/4 198 1/2 199 199 1/4 199 1/2 200 200 1/4 200 1/2 201 201 1/4 201 1/2 202 202 1/4 202 1/2 203 203 1/4 203 1/2 204 204 1/4 204 1/2 205 205 1/4 205 1/2 206 206 1/4 206 1/2 207 207 1/4 207 1/2 208 208 1/4 208 1/2 209 209 1/4 209 1/2 210 210 1/4 210 1/2 211 211 1/4 211 1/2 212 212 1/4 212 1/2 213 213 1/4 213 1/2 214 214 1/4 214 1/2 215 215 1/4 215 1/2 216 216 1/4 216 1/2 217 217 1/4 217 1/2 218 218 1/4 218 1/2 219 219 1/4 219 1/2 220 220 1/4 220 1/2 221 221 1/4 221 1/2 222 222 1/4 222 1/2 223 223 1/4 223 1/2 224 224 1/4 224 1/2 225 225 1/4 225 1/2 226 226 1/4 226 1/2 227 227 1/4 227 1/2 228 228 1/4 228 1/2 229 229 1/4 229 1/2 230 230 1/4 230 1/2 231 231 1/4 231 1/2 232 232 1/4 232 1/2 233 233 1/4 233 1/2 234 234 1/4 234 1/2 235 235 1/4 235 1/2 236 236 1/4 236 1/2 237 237 1/4 237 1/2 238 238 1/4 238 1/2 239 239 1/4 239 1/2 240 240 1/4 240 1/2 241 241 1/4 241 1/2 242 242 1/4 242 1/2 243 243 1/4 243 1/2 244 244 1/4 244 1/2 245 245 1/4 245 1/2 246 246 1/4 246 1/2 247 247 1/4 247 1/2 248 248 1/4 248 1/2 249 249 1/4 249 1/2 250 250 1/4 250 1/2 251 251 1/4 251 1/2 252 252 1/4 252 1/2 253 253 1/4 253 1/2 254 254 1/4 254 1/2 255 255 1/4 255 1/2 256 256 1/4 256 1/2 257 257 1/4 257 1/2 258 258 1/4 258 1/2 259 259 1/4 259 1/2 260 260 1/4 260 1/2 261 261 1/4 261 1/2 262 262 1/4 262 1/2 263 263 1/4 263 1/2 264 264 1/4 264 1/2 265 265 1/4 265 1/2 266 266 1/4 266 1/2 267 267 1/4 267 1/2 268 268 1/4 268 1/2 269 269 1/4 269 1/2 270 270 1/4 270 1/2 271 271 1/4 271 1/2 272 272 1/4 272 1/2 273 273 1/4 273 1/2 274 274 1/4 274 1/2 275 275 1/4 275 1/2 276 276 1/4 276 1/2 277 277 1/4 277 1/2 278 278 1/4 278 1/2 279 279 1/4 279 1/2 280 280 1/4 280 1/2 281 281 1/4 281 1/2 282 282 1/4 282 1/2 283 283 1/4 283 1/2 284 284 1/4 284 1/2 285 285 1/4 285 1/2 286 286 1/4 286 1/2 287 287 1/4 287 1/2 288 288 1/4 288 1/2 289 289 1/4 289 1/2 290 290 1/4 290 1/2 291 291 1/4 291 1/2 292 292 1/4 292 1/2 293 293 1/4 293 1/2 294 294 1/4 294 1/2 295 295 1/4 295 1/2 296 296 1/4 296 1/2 297 297 1/4 297 1/2 298 298 1/4 298 1/2 299 299 1/4 299 1/2 300 300 1/4 300 1/2 301 301 1/4 301 1/2 302 302 1/4 302 1/2 303 303 1/4 303 1/2 304 304 1/4 304 1/2 305 305 1/4 305 1/2 306 306 1/4 306 1/2 307 307 1/4 307 1/2 308 308 1/4 308 1/2 309 309 1/4 309 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CABLE LEGENDS:

- △ DENOTES 25 PAIRS SCSI-2 CABLE SEE DRAWING : ADAM-801 (REV. C)
- △ DENOTES 25 PAIRS TELCO CABLE SEE DRAWING : ADAM-802 (REV. C)
- △ DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE SEE DRAWING : ADAM-803 (REV. C)
- △ DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE SEE DRAWING : ADAM-804 (REV. C)
- △ DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE SEE DRAWING : ADAM-805 (REV. C)
- △ DENOTES 68 PINS SCSI-2 CABLE SEE DRAWING : ADAM-806 (REV. C)
- △ DENOTES RS232C CABLE SEE DRAWING : ADAM-807 (REV. C)
- △ DENOTES RS485, RS422 CABLE SEE DRAWING : ADAM-808 (REV. C)
- △ DENOTES RS485 CABLE SEE DRAWING : ADAM-809 (REV. C)
- △ DENOTES RG59 COAXIAL CABLE SEE DRAWING : ADAM-810 (REV. C)
- △ DENOTES DE9P TO RJ11 CABLE SEE DRAWING : ADAM-811 (REV. C)

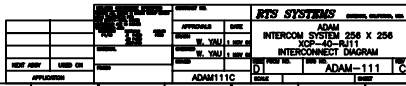


UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN INCHES
 DIMENSIONS ARE IN MILLIMETERS
 DIMENSIONS ARE IN MILLIMETERS
 DIMENSIONS ARE IN MILLIMETERS
 DIMENSIONS ARE IN MILLIMETERS

CONTRACT NO.
 APPROVALS
 DATE
 DRAWN
 W. YAU 10/29/98
 CHECKED
 W. YAU 10/29/98
 ISSUED

RTS SYSTEMS
 BUREAU, CALIFORNIA, USA
 ADAM INTERCOM SYSTEM
 XCP954-48 (9 pin data)
 AUDIO & DATA JACKFIELDS / RJ
 INTERCONNECT DIAGRAM

MATERIAL	FINISH	SCALE	DWG NO.	REV
NEXT ASSY	USED ON	ADAM110C	ADAM-110	1
APPLICATION				



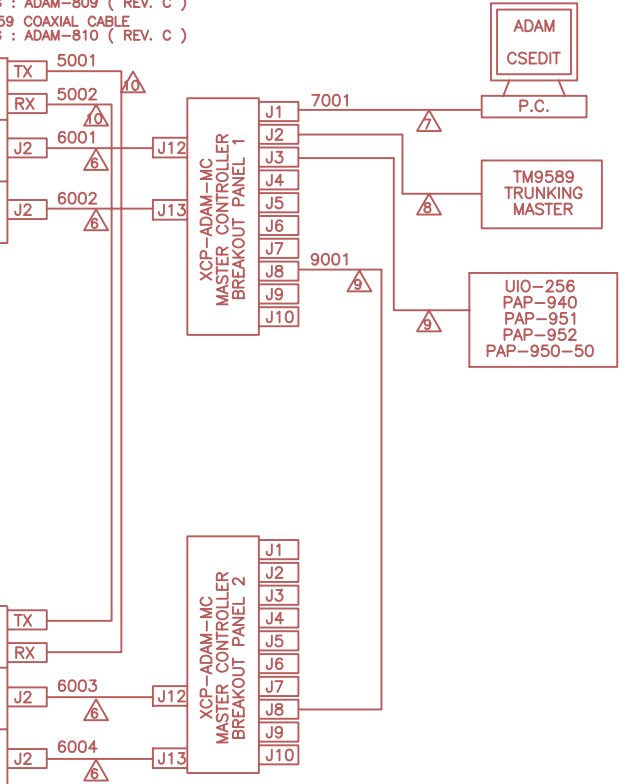
J1 J24	XCP-955 STATION BREAKOUT PORTS 145 – 168 PANEL # 7	J26	1013	IN	AUDIO IN 145 – 168	OUT	1113	J1	XCP-955 STATION BREAKOUT PORTS 145 – 168 PANEL # 7	J4
		J27	1014	OUT	AUDIO OUT 145 – 168	IN	1114	J2		J5
		J28	2007	OUT	KP DATA 145 – 168	IN	2107	J3		J6
J1 J24	XCP-955 STATION BREAKOUT PORTS 169 – 192 PANEL # 8	J26	1015	IN	AUDIO IN 169 – 192	OUT	1115	J1	XCP-955 STATION BREAKOUT PORTS 169 – 192 PANEL # 8	J4
		J27	1016	OUT	AUDIO OUT 169 – 192	IN	1116	J2		J5
		J28	2008	OUT	KP DATA 169 – 192	IN	2108	J3		J6
J1 J24	XCP-955 STATION BREAKOUT PORTS 193 – 216 PANEL # 9	J26	1017	IN	AUDIO IN 193 – 216	OUT	1117	J1	XCP-955 STATION BREAKOUT PORTS 193 – 216 PANEL # 9	J4
		J27	1018	OUT	AUDIO OUT 193 – 216	IN	1118	J2		J5
		J28	2009	OUT	KP DATA 193 – 216	IN	2109	J3		J6
J1 J24	XCP-955 STATION BREAKOUT PORTS 217 – 240 PANEL # 10	J26	1019	IN	AUDIO IN 217 – 240	OUT	1119	J1	XCP-955 STATION BREAKOUT PORTS 217 – 240 PANEL # 10	J4
		J27	1020	OUT	AUDIO OUT 217 – 240	IN	1120	J2		J5
		J28	2010	OUT	KP DATA 217 – 240	IN	2110	J3		J6
J1 J24	XCP-955 STATION BREAKOUT PORTS 241 – 256 PANEL # 11	J26	1021	IN	AUDIO IN 241 – 256	OUT	1121	J1	XCP-955 STATION BREAKOUT PORTS 241 – 256 PANEL # 11	J4
		J27	1022	OUT	AUDIO OUT 241 – 256	IN	1122	J2		J5
		J28	2011	OUT	KP DATA 241 – 256	IN	2111	J3		J6

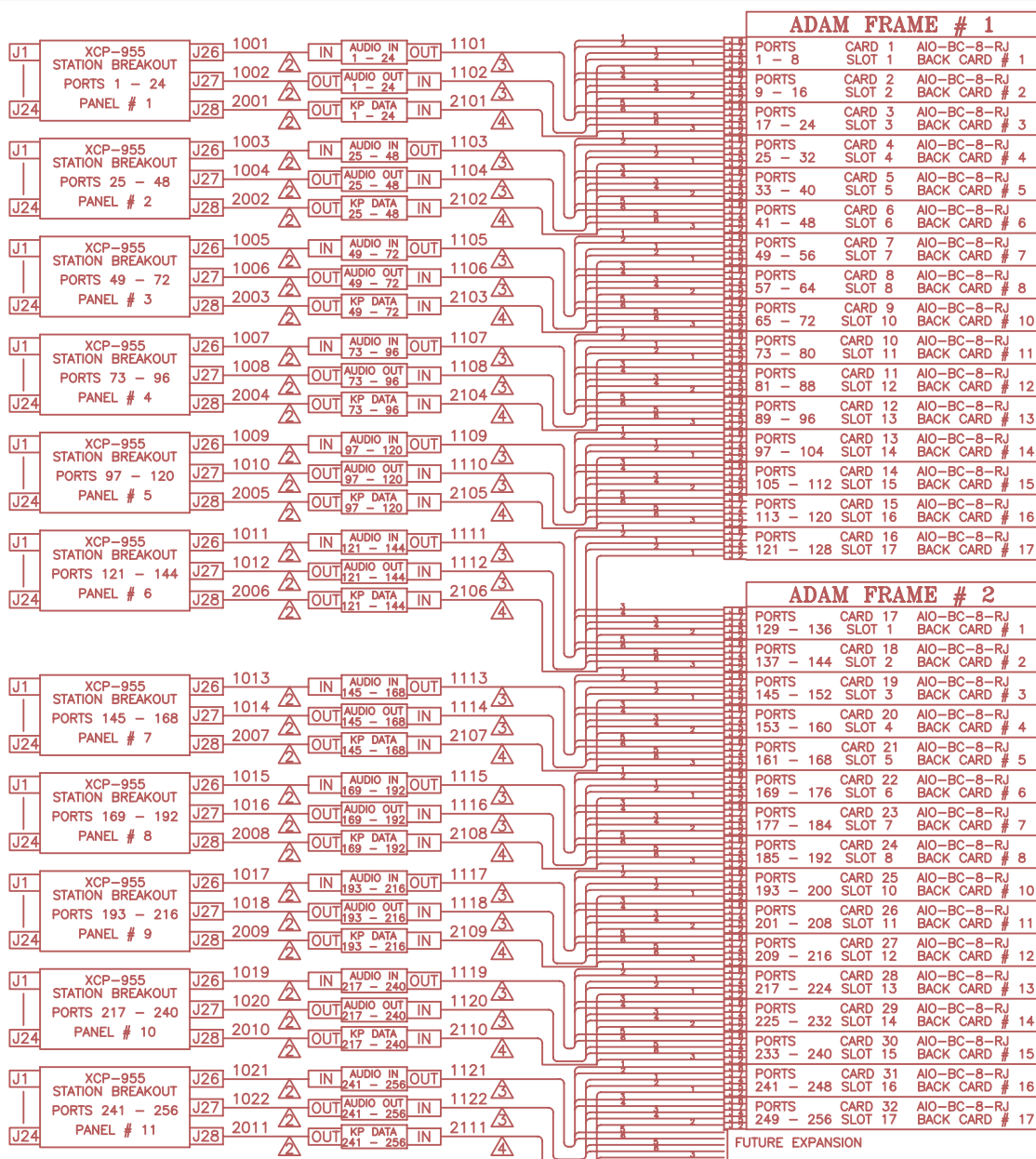
ADAM FRAME # 2			
PORTS	CARD	17	AIO-BC-8-SCSI
129 - 136	SLOT	1	BACK CARD # 1
PORTS	CARD	18	AIO-BC-8-SCSI
137 - 144	SLOT	2	BACK CARD # 2
PORTS	CARD	19	AIO-BC-8-SCSI
145 - 152	SLOT	3	BACK CARD # 3
PORTS	CARD	20	AIO-BC-8-SCSI
153 - 160	SLOT	4	BACK CARD # 4
PORTS	CARD	21	AIO-BC-8-SCSI
161 - 168	SLOT	5	BACK CARD # 5
PORTS	CARD	22	AIO-BC-8-SCSI
169 - 176	SLOT	6	BACK CARD # 6
PORTS	CARD	23	AIO-BC-8-SCSI
177 - 184	SLOT	7	BACK CARD # 7
PORTS	CARD	24	AIO-BC-8-SCSI
185 - 192	SLOT	8	BACK CARD # 8
PORTS	CARD	25	AIO-BC-8-SCSI
193 - 200	SLOT	10	BACK CARD # 10
PORTS	CARD	26	AIO-BC-8-SCSI
201 - 208	SLOT	11	BACK CARD # 11
PORTS	CARD	27	AIO-BC-8-SCSI
209 - 216	SLOT	12	BACK CARD # 12
PORTS	CARD	28	AIO-BC-8-SCSI
217 - 224	SLOT	13	BACK CARD # 13
PORTS	CARD	29	AIO-BC-8-SCSI
225 - 232	SLOT	14	BACK CARD # 14
PORTS	CARD	30	AIO-BC-8-SCSI
233 - 240	SLOT	15	BACK CARD # 15
PORTS	CARD	31	AIO-BC-8-SCSI
241 - 248	SLOT	16	BACK CARD # 16
PORTS	CARD	32	AIO-BC-8-SCSI
249 - 256	SLOT	17	BACK CARD # 17

BUS EXPANDER (SINGLE) CARD 1 SLOT 9
(MAIN) MASTER CONTROLLER 1 CARD 1 SLOT 19
(BACK UP) MASTER CONTROLLER 2 CARD 2 SLOT 20

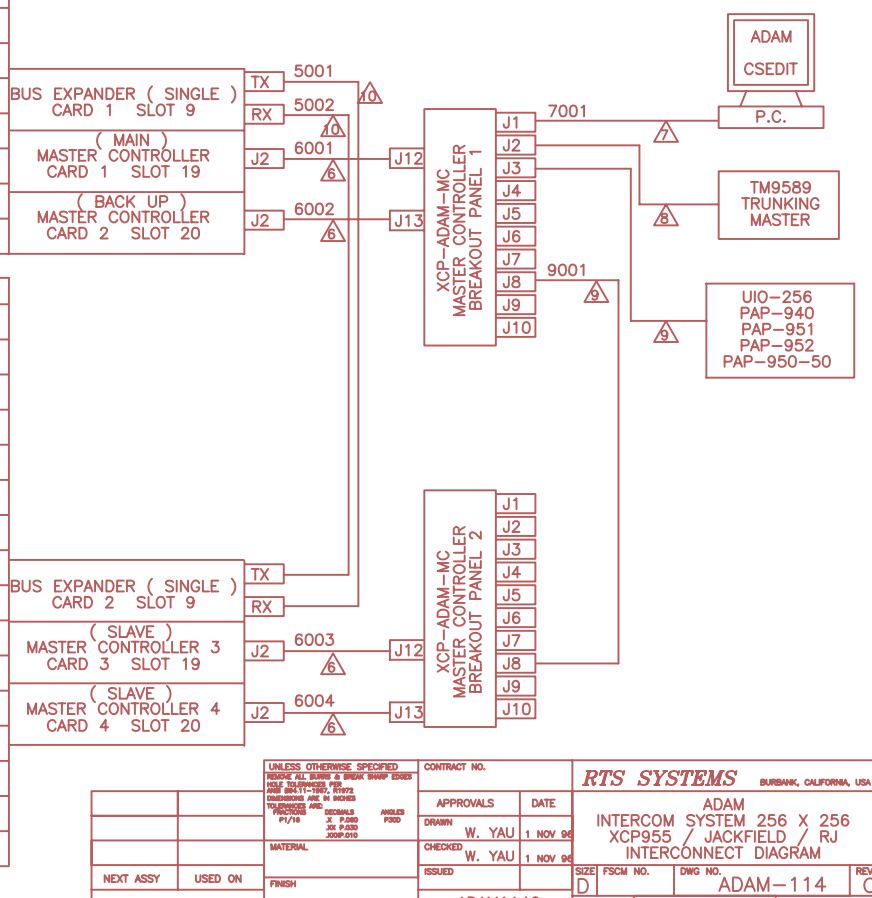
BUS EXPANDER (SINGLE)	
CARD 2	SLOT 9
(SLAVE)	
MASTER CONTROLLER 3	
CARD 3	SLOT 19
(SLAVE)	
MASTER CONTROLLER 4	
CARD 4	SLOT 20

UNLESS OTHERWISE SPECIFIED: RESUME ALL BARNS & BRINK SHARP TOES HOLE THROUGHS PER BIM 11-100, 11000 EQUIPMENT AND 90 DEGREE PROCESSES P/16 DEC 2000 JUL 2000 JUL 2000 JUL 2000		CONTRACT NO.		<i>RTS SYSTEMS</i> ADAM INTERCOM SYSTEM 256 X 256 XCP955 / JACKFIELD XCP-24 INTERCONNECT DIAGRAM		BURBANK, CALIFORNIA, USA	
MATERIAL		APPROVALS	DATE				
		DRAWN	W. YAU	1 NOV 96			
		CHECKED	W. YAU	1 NOV 96			
FINISH		ISSUED			SIZE	FSCM NO.	DWG NO.
		ADAM113C		D		ADAM-113	
				SCALE		SHEET	

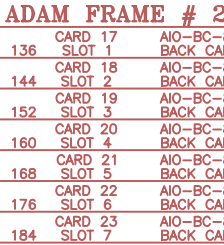




CABLE LEGENDS:		REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	
①		DENOTES 25 PAIRS SCSI-2 CABLE SEE DRAWING : ADAM-801 (REV. C)			
②		DENOTES 25 PAIRS TELCO CABLE SEE DRAWING : ADAM-802 (REV. C)			
③		DENOTES RJ45 TO 25 PAIRS TELCO, TRANSLATION CABLE SEE DRAWING : ADAM-803 (REV. C)			
④		DENOTES RJ11 TO 25 PAIRS TELCO, TRANSLATION CABLE SEE DRAWING : ADAM-804 (REV. C)			
⑤		DENOTES DE9P TO 25 PAIRS TELCO, TRANSLATION CABLE SEE DRAWING : ADAM-805 (REV. C)			
⑥		DENOTES 68 PINS SCSI-2 CABLE SEE DRAWING : ADAM-806 (REV. C)			
⑦		DENOTES RS232C CABLE SEE DRAWING : ADAM-807 (REV. C)			
⑧		DENOTES RS485, RS422 CABLE SEE DRAWING : ADAM-808 (REV. C)			
⑨		DENOTES RS485 CABLE SEE DRAWING : ADAM-809 (REV. C)			
⑩		DENOTES RG59 COAXIAL CABLE SEE DRAWING : ADAM-810 (REV. C)			



UNLESS OTHERWISE SPECIFIED: RESIST ALL BARS & REINFORCING STEELS TO A500, GRADE 30. ALL DIMENSIONS ARE IN INCHES (FRACTIONS ARE IN 16THS)		CONTRACT NO.		<i>RTS SYSTEMS</i> BUREAU, CALIFORNIA, USA	
APPROVALS DESIGNED BY DRAWN BY CHECKED BY ISSUED BY		DATE 1 NOV 86 1 NOV 86		ADAM INTERCOM SYSTEM 256 X 256 XCP955 / JACKFIELD / RJ INTERCONNECT DIAGRAM	
MATERIAL		SIZE		FSCM NO.	
FINISH		DWG NO.		REV	
		D		ADAM-114	

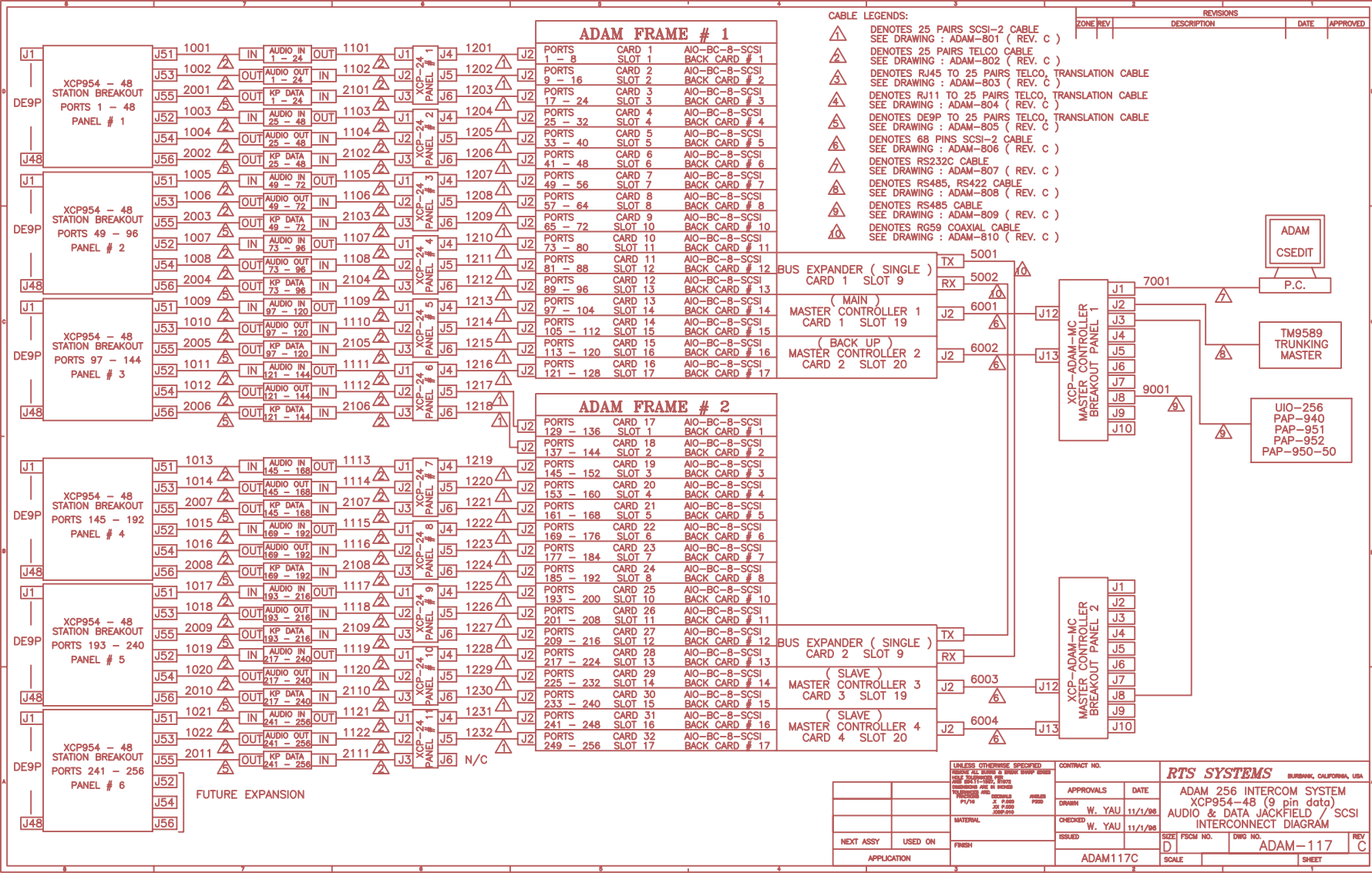


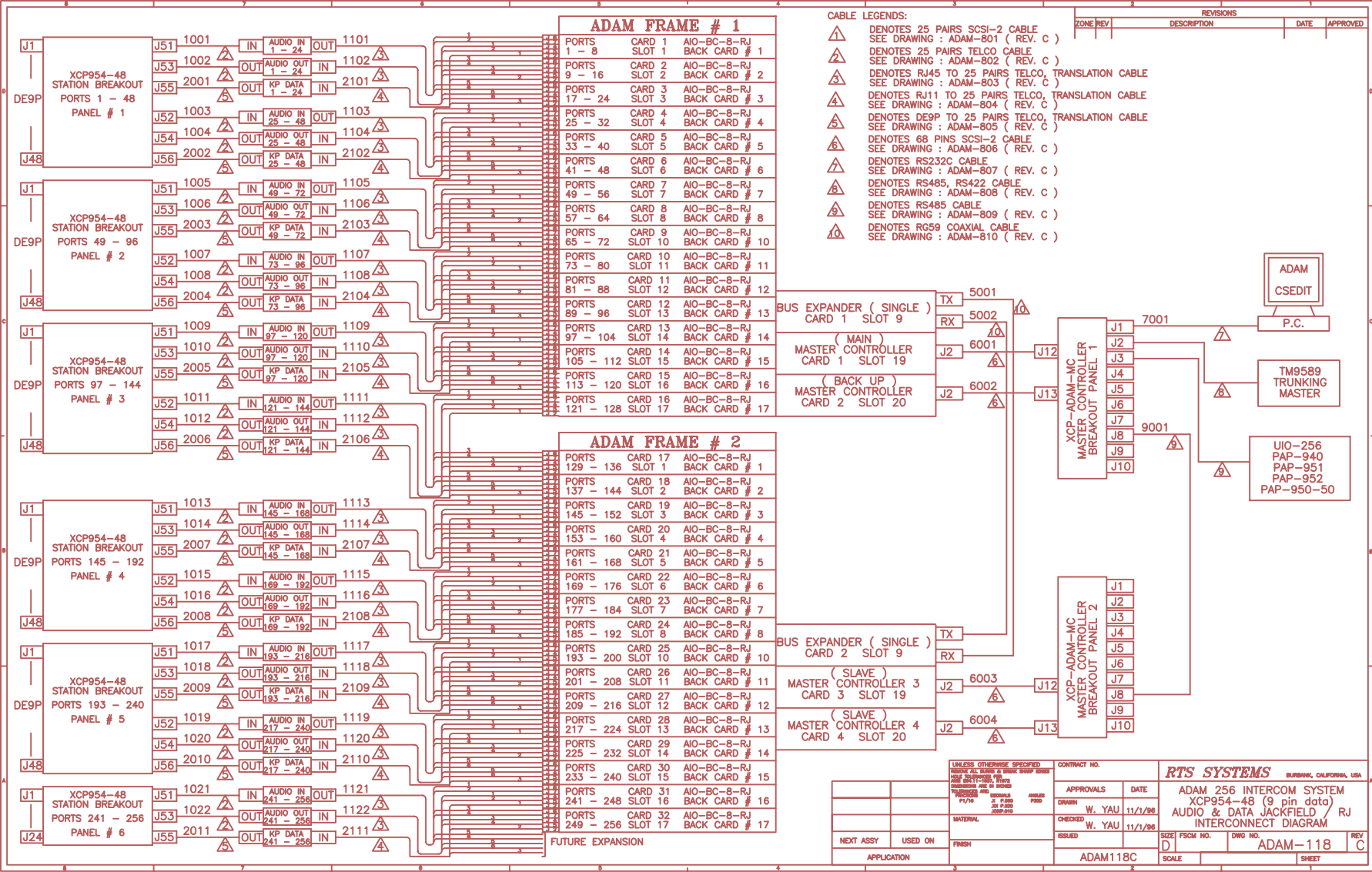
BUS EXPANDER (SINGLE CARD 2 SLOT 9
(SLAVE) MASTER CONTROLLER 3 CARD 3 SLOT 19
(SLAVE) MASTER CONTROLLER 4 CARD 4 SLOT 20

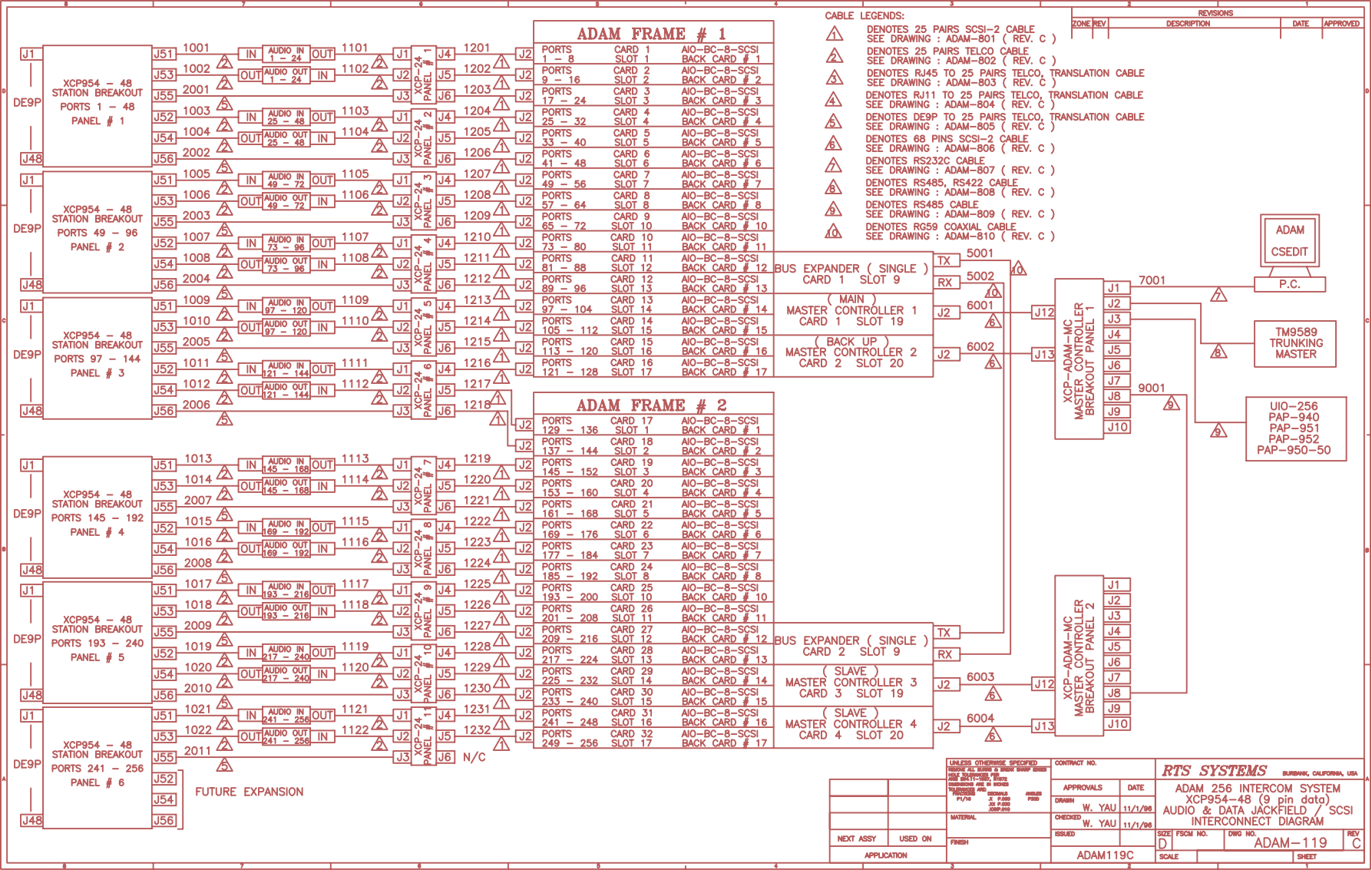
RTS SYSTEMS BURLINGAME, CALIFORNIA, USA

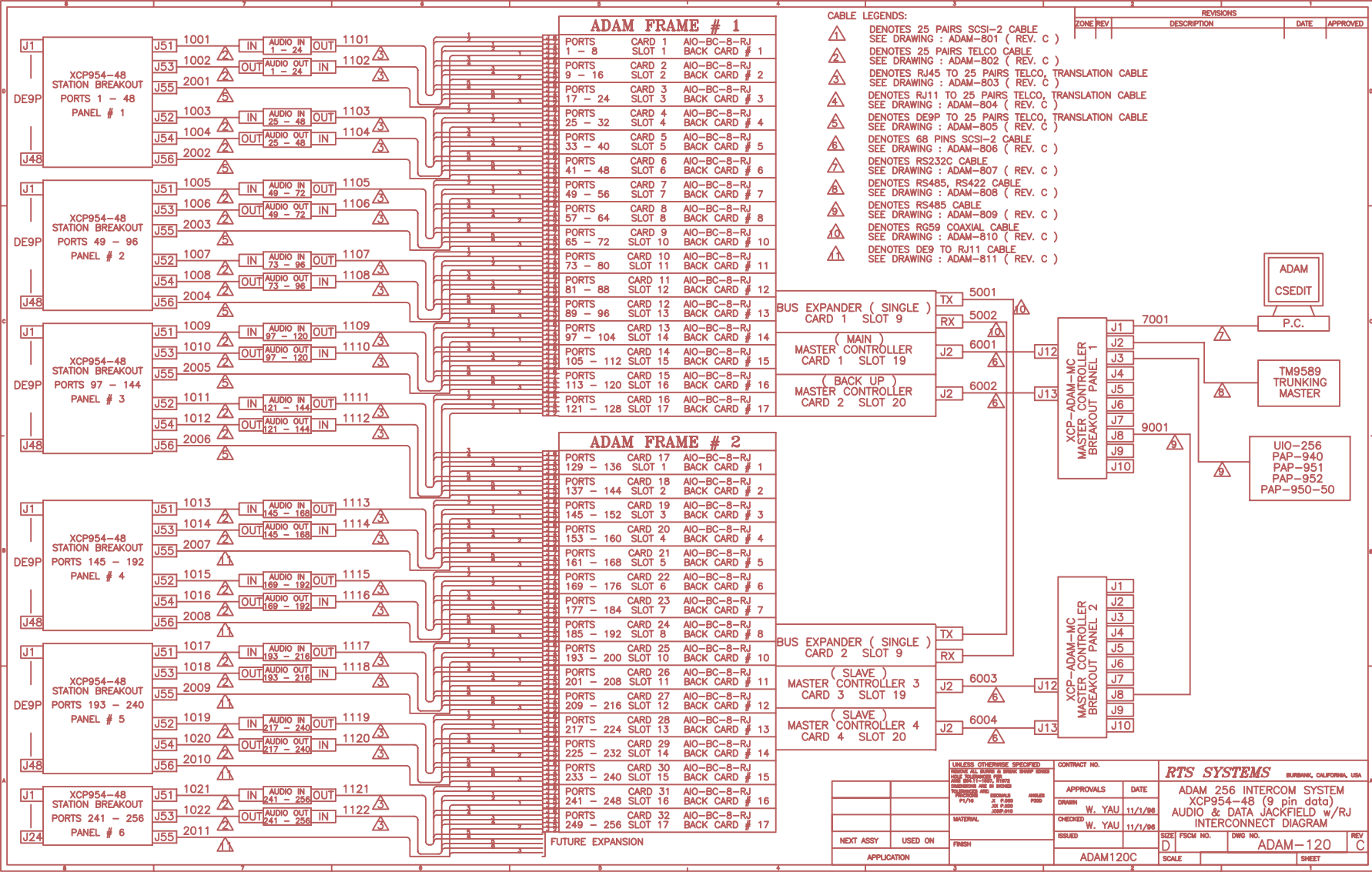
ADAM
INTERCOM SYSTEM 256 X 256
YCP955 / JACKFIELD / SCSI

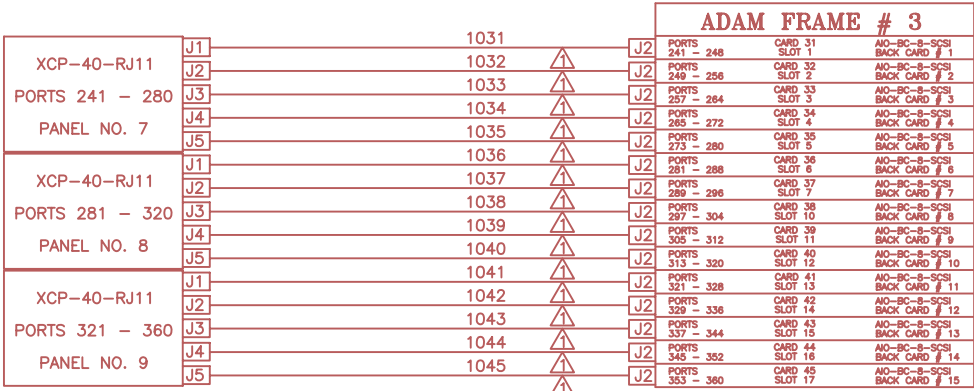
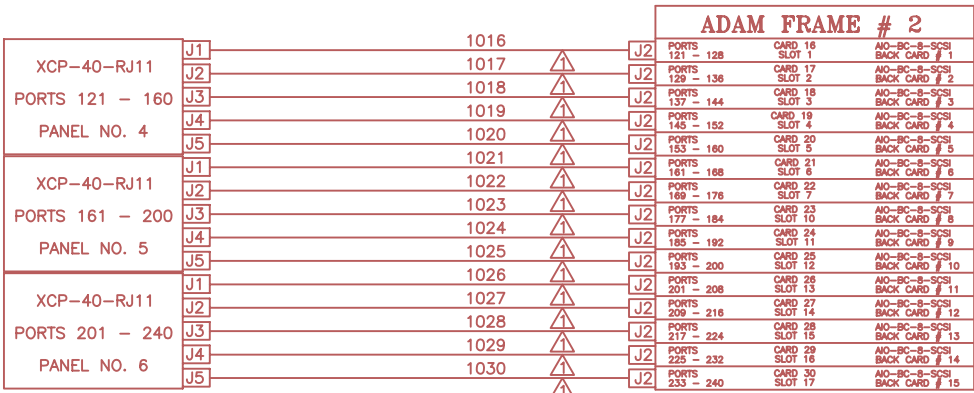
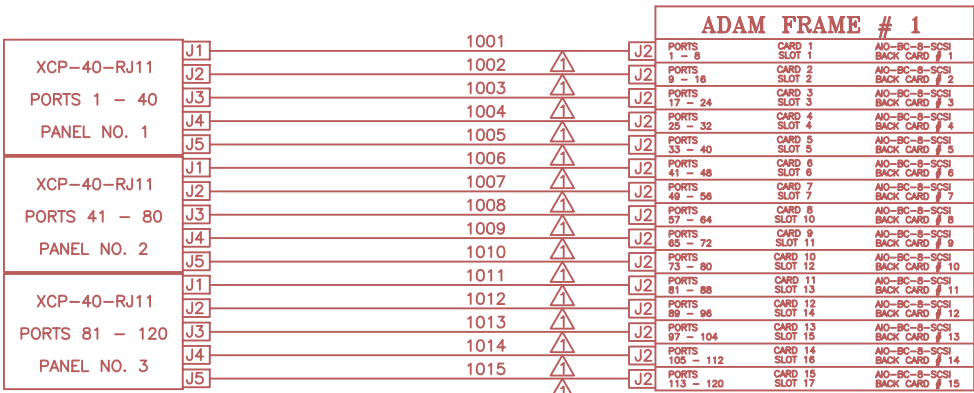
INTERCONNECT DIAGRAM			
SIZE D	FSCM NO.	DWG NO. ADAM-115	REV C
SCALE			SHEET









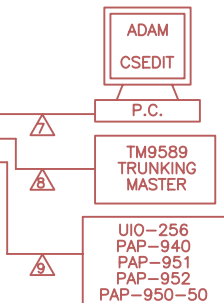
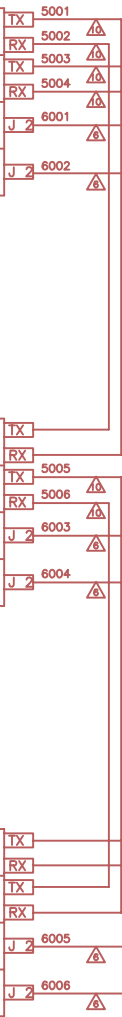


(SINGLE CHANNEL)
BUS EXPANDER
CARD 1 SLOT 9

(SINGLE CHANNEL)
BUS EXPANDER
CARD 2 SLOT 8

(MAIN)
MASTER CONTROLLER
CARD 1 SLOT 19

(BACK UP)
MASTER CONTROLLER
CARD 2 SLOT 20



- CABLE LEGENDS:
- △ DENOTES 25 PAIRS SCSI-2 CABLE
SEE DRAWING : ADAM-801 (REV. C)
 - △ DENOTES 25 PAIRS TELCO CABLE
SEE DRAWING : ADAM-802 (REV. C)
 - △ DENOTES RJ45 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-803 (REV. C)
 - △ DENOTES RJ11 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-804 (REV. C)
 - △ DENOTES DE9P TO 25 PAIRS TELCO
SEE DRAWING : ADAM-805 (REV. C)
 - △ DENOTES 68 PINS SCSI-2 CABLE
SEE DRAWING : ADAM-806 (REV. C)
 - △ DENOTES RS232C CABLE
SEE DRAWING : ADAM-807 (REV. C)
 - △ DENOTES RS485, RS422 CABLE
SEE DRAWING : ADAM-808 (REV. C)
 - △ DENOTES RS485 CABLE
SEE DRAWING : ADAM-809 (REV. C)
 - △ DENOTES RG59 COAXIAL CABLE
SEE DRAWING : ADAM-810 (REV. C)

CONTRACT NO.		RTS SYSTEMS		BURBANK, CALIFORNIA, USA	
APPROVALS	DATE	ADAM INTERCOM SYSTEM 360 x 360 XCP-40-RJ11 INTERCONNECT DIAGRAM			
DRAWN W. YAU	1 NOV 96	SIZE D	FSCM NO.	DWG NO. ADAM-121	REV C
CHECKED W. YAU	1 NOV 96	SCALE	SHEET		
ISSUED		ADAM121C			

				ADAM FRAME # 1			
XCP-40-DB9 PORTS 1 - 40 PANEL NO. 1	J1	1001		J2	PORTS 1 - 8	CARD 1	AD-BC-S-SCSI BACK CARD # 1
	J2	1002	▲	J2	PORTS 9 - 16	CARD 2	AD-BC-S-SCSI BACK CARD # 2
	J3	1003	▲	J2	PORTS 17 - 24	CARD 3	AD-BC-S-SCSI BACK CARD # 3
	J4	1004	▲	J2	PORTS 25 - 32	CARD 4	AD-BC-S-SCSI BACK CARD # 4
	J5	1005	▲	J2	PORTS 33 - 40	CARD 5	AD-BC-S-SCSI BACK CARD # 5
XCP-40-DB9 PORTS 41 - 80 PANEL NO. 2	J1	1006	▲	J2	PORTS 41 - 48	CARD 6	AD-BC-S-SCSI BACK CARD # 6
	J2	1007	▲	J2	PORTS 49 - 56	CARD 7	AD-BC-S-SCSI BACK CARD # 7
	J3	1008	▲	J2	PORTS 57 - 64	CARD 8	AD-BC-S-SCSI BACK CARD # 8
	J4	1009	▲	J2	PORTS 65 - 72	CARD 9	AD-BC-S-SCSI BACK CARD # 9
	J5	1010	▲	J2	PORTS 73 - 80	CARD 10	AD-BC-S-SCSI BACK CARD # 10
XCP-40-DB9 PORTS 81 - 120 PANEL NO. 3	J1	1011	▲	J2	PORTS 81 - 88	CARD 11	AD-BC-S-SCSI BACK CARD # 11
	J2	1012	▲	J2	PORTS 89 - 96	CARD 12	AD-BC-S-SCSI BACK CARD # 12
	J3	1013	▲	J2	PORTS 97 - 104	CARD 13	AD-BC-S-SCSI BACK CARD # 13
	J4	1014	▲	J2	PORTS 105 - 112	CARD 14	AD-BC-S-SCSI BACK CARD # 14
	J5	1015	▲	J2	PORTS 113 - 120	CARD 15	AD-BC-S-SCSI BACK CARD # 15

				ADAM FRAME # 2			
XCP-40-DB9 PORTS 121 - 160 PANEL NO. 4	J1	1016		J2	PORTS 121 - 128	CARD 16	AD-BC-S-SCSI BACK CARD # 1
	J2	1017	▲	J2	PORTS 129 - 136	CARD 17	AD-BC-S-SCSI BACK CARD # 2
	J3	1018	▲	J2	PORTS 137 - 144	CARD 18	AD-BC-S-SCSI BACK CARD # 3
	J4	1019	▲	J2	PORTS 145 - 152	CARD 19	AD-BC-S-SCSI BACK CARD # 4
	J5	1020	▲	J2	PORTS 153 - 160	CARD 20	AD-BC-S-SCSI BACK CARD # 5
XCP-40-DB9 PORTS 161 - 200 PANEL NO. 5	J1	1021	▲	J2	PORTS 161 - 168	CARD 21	AD-BC-S-SCSI BACK CARD # 6
	J2	1022	▲	J2	PORTS 169 - 176	CARD 22	AD-BC-S-SCSI BACK CARD # 7
	J3	1023	▲	J2	PORTS 177 - 184	CARD 23	AD-BC-S-SCSI BACK CARD # 8
	J4	1024	▲	J2	PORTS 185 - 192	CARD 24	AD-BC-S-SCSI BACK CARD # 9
	J5	1025	▲	J2	PORTS 193 - 200	CARD 25	AD-BC-S-SCSI BACK CARD # 10
XCP-40-DB9 PORTS 201 - 240 PANEL NO. 6	J1	1026	▲	J2	PORTS 201 - 208	CARD 26	AD-BC-S-SCSI BACK CARD # 11
	J2	1027	▲	J2	PORTS 209 - 216	CARD 27	AD-BC-S-SCSI BACK CARD # 12
	J3	1028	▲	J2	PORTS 217 - 224	CARD 28	AD-BC-S-SCSI BACK CARD # 13
	J4	1029	▲	J2	PORTS 225 - 232	CARD 29	AD-BC-S-SCSI BACK CARD # 14
	J5	1030	▲	J2	PORTS 233 - 240	CARD 30	AD-BC-S-SCSI BACK CARD # 15

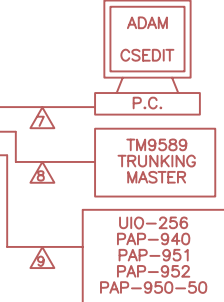
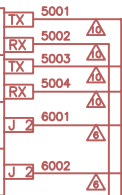
				ADAM FRAME # 3			
XCP-40-DB9 PORTS 241 - 280 PANEL NO. 7	J1	1031		J2	PORTS 241 - 248	CARD 31	AD-BC-S-SCSI BACK CARD # 1
	J2	1032	▲	J2	PORTS 249 - 256	CARD 32	AD-BC-S-SCSI BACK CARD # 2
	J3	1033	▲	J2	PORTS 257 - 264	CARD 33	AD-BC-S-SCSI BACK CARD # 3
	J4	1034	▲	J2	PORTS 265 - 272	CARD 34	AD-BC-S-SCSI BACK CARD # 4
	J5	1035	▲	J2	PORTS 273 - 280	CARD 35	AD-BC-S-SCSI BACK CARD # 5
XCP-40-DB9 PORTS 281 - 320 PANEL NO. 8	J1	1036	▲	J2	PORTS 281 - 288	CARD 36	AD-BC-S-SCSI BACK CARD # 6
	J2	1037	▲	J2	PORTS 289 - 296	CARD 37	AD-BC-S-SCSI BACK CARD # 7
	J3	1038	▲	J2	PORTS 297 - 304	CARD 38	AD-BC-S-SCSI BACK CARD # 8
	J4	1039	▲	J2	PORTS 305 - 312	CARD 39	AD-BC-S-SCSI BACK CARD # 9
	J5	1040	▲	J2	PORTS 313 - 320	CARD 40	AD-BC-S-SCSI BACK CARD # 10
XCP-40-DB9 PORTS 321 - 360 PANEL NO. 9	J1	1041	▲	J2	PORTS 321 - 328	CARD 41	AD-BC-S-SCSI BACK CARD # 11
	J2	1042	▲	J2	PORTS 329 - 336	CARD 42	AD-BC-S-SCSI BACK CARD # 12
	J3	1043	▲	J2	PORTS 337 - 344	CARD 43	AD-BC-S-SCSI BACK CARD # 13
	J4	1044	▲	J2	PORTS 345 - 352	CARD 44	AD-BC-S-SCSI BACK CARD # 14
	J5	1045	▲	J2	PORTS 353 - 360	CARD 45	AD-BC-S-SCSI BACK CARD # 15

(SINGLE CHANNEL)
BUS EXPANDER
CARD 1 SLOT 9

(SINGLE CHANNEL)
BUS EXPANDER
CARD 2 SLOT 8

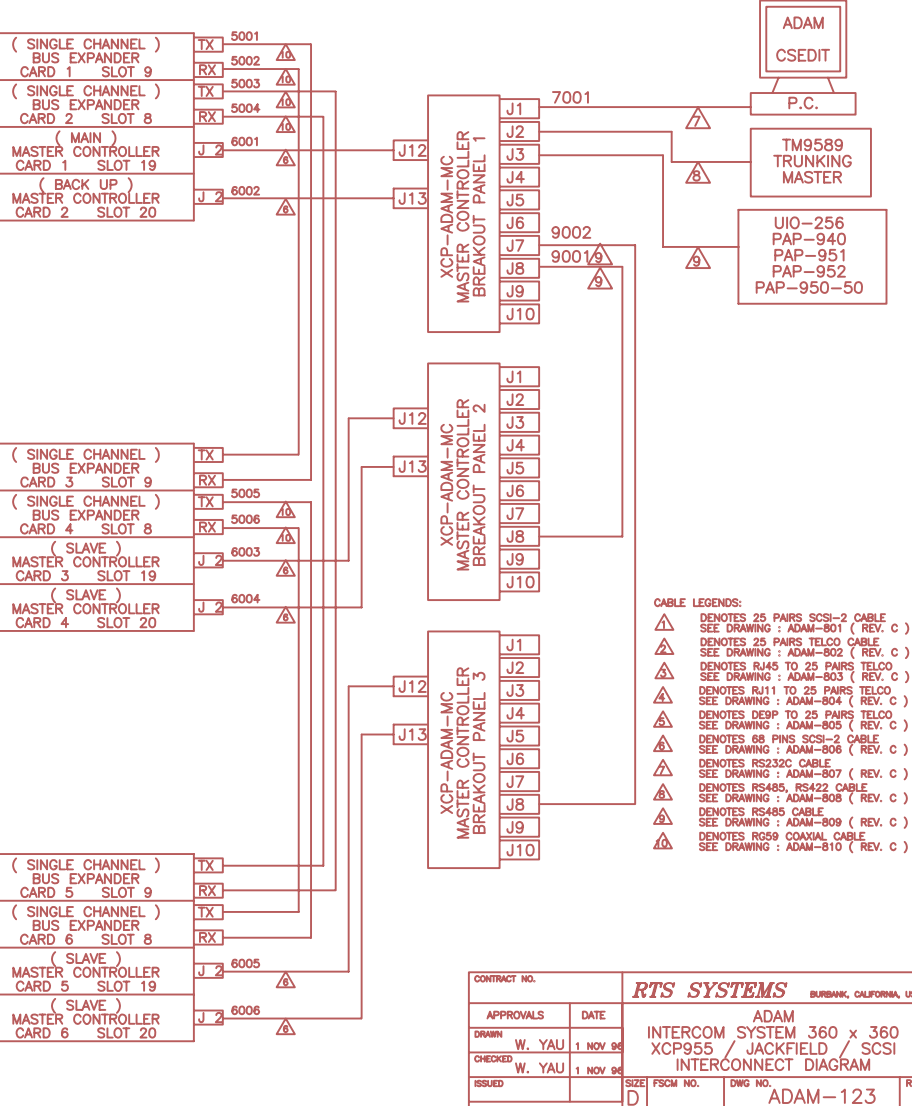
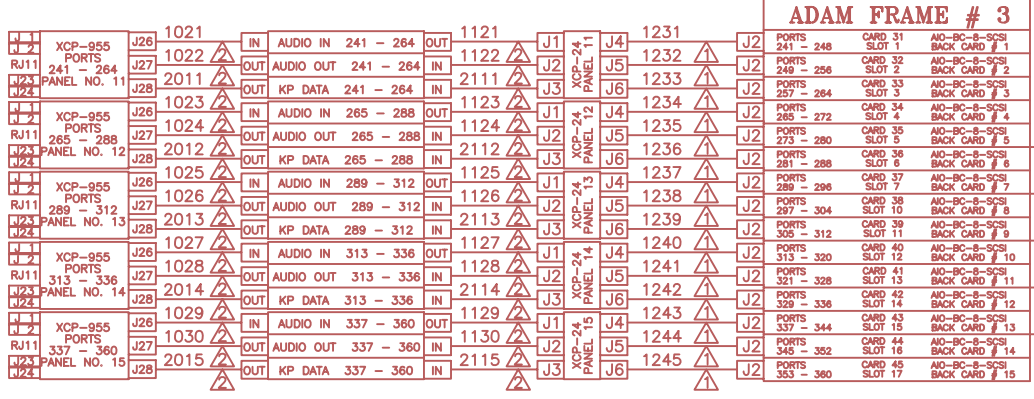
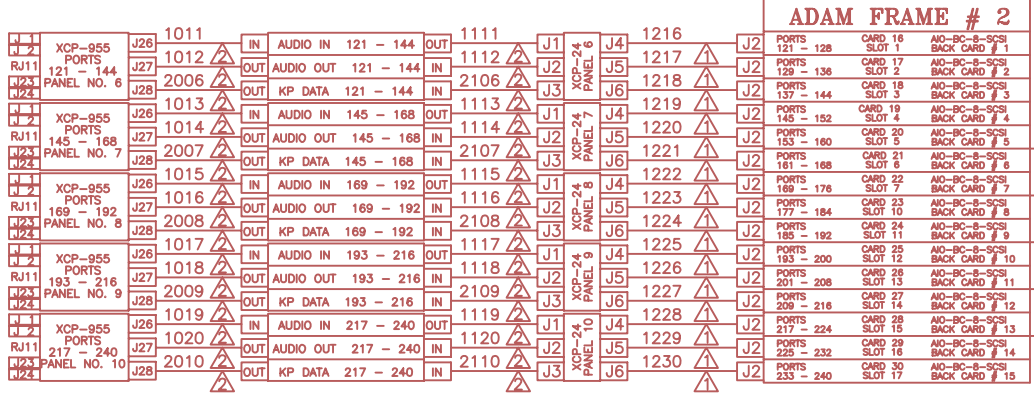
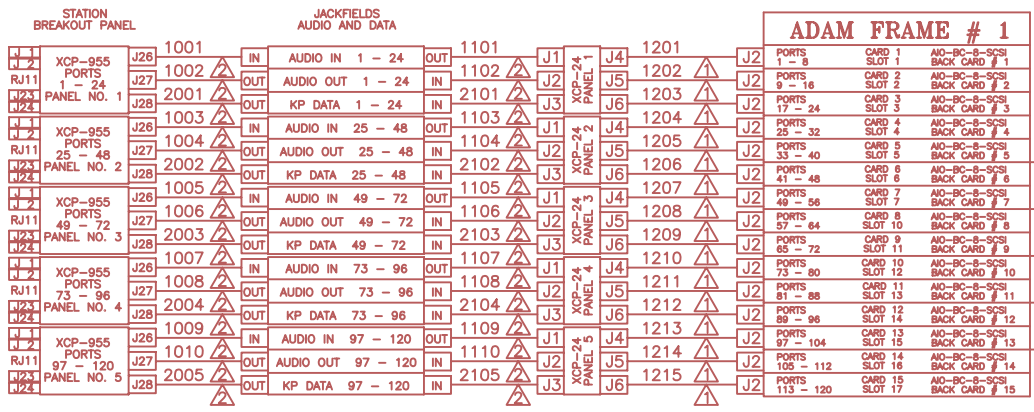
(MAIN)
MASTER CONTROLLER
CARD 1 SLOT 19

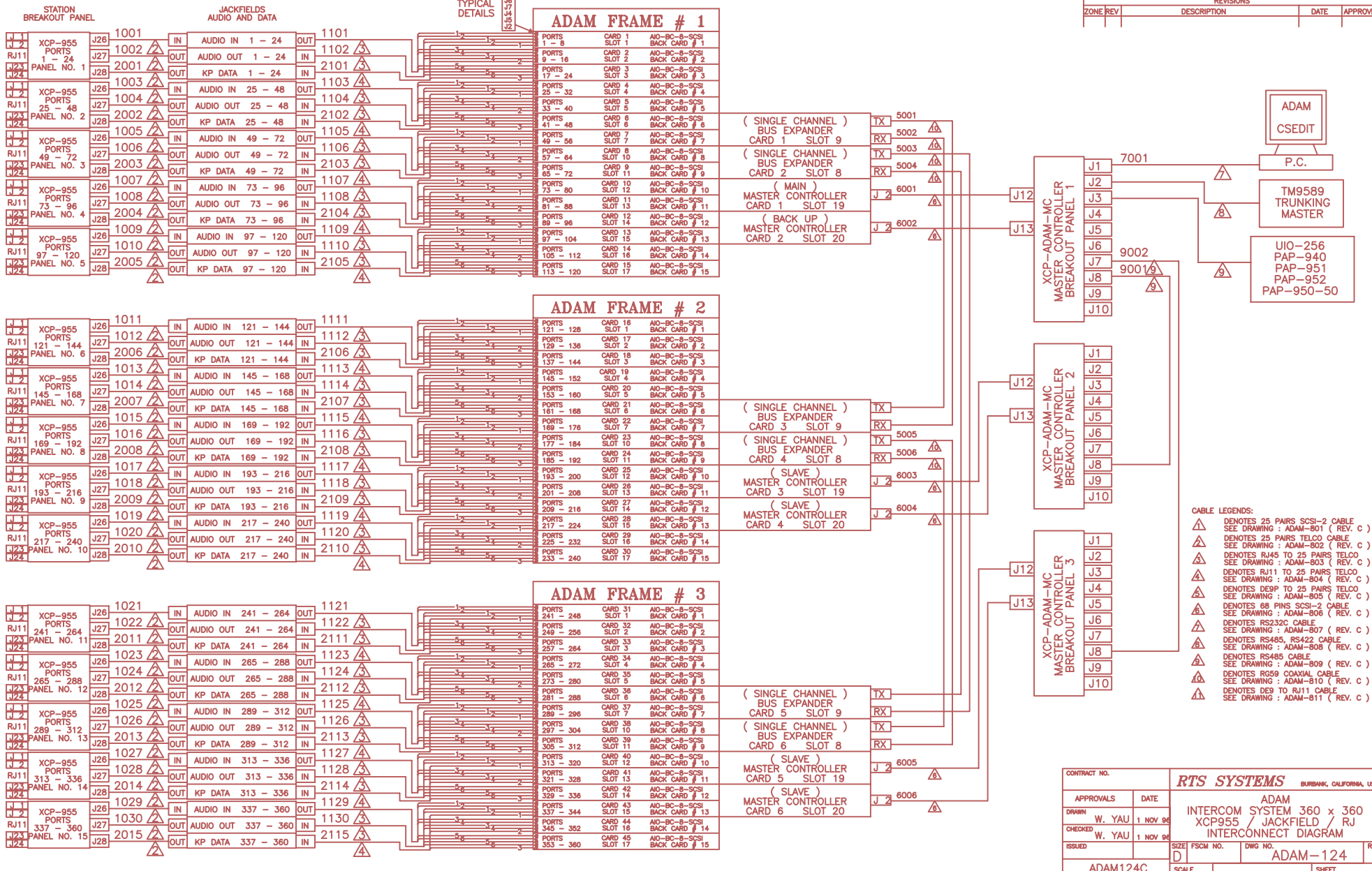
(BACK UP)
MASTER CONTROLLER
CARD 2 SLOT 20

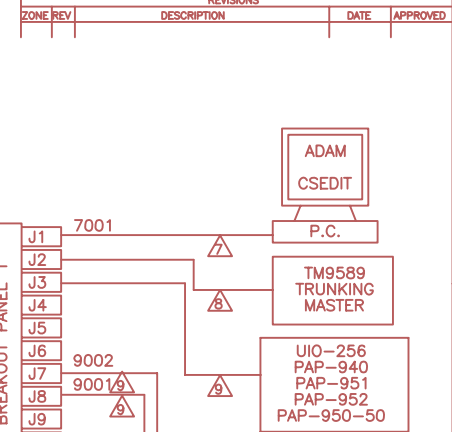
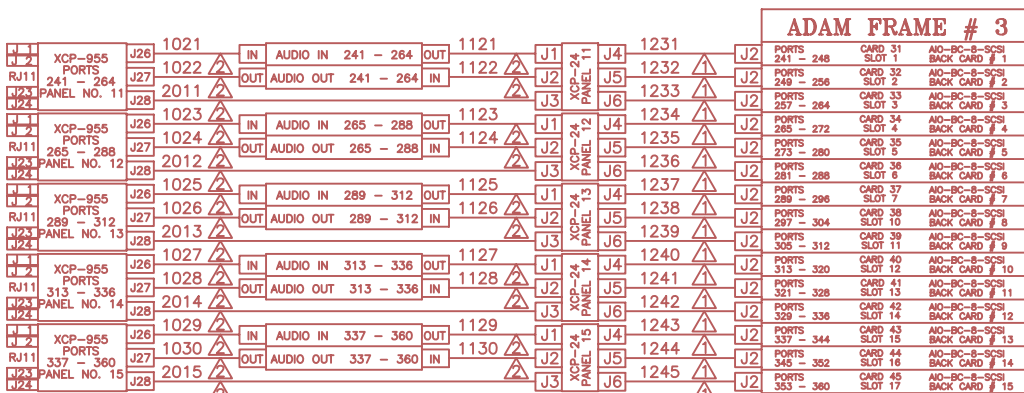
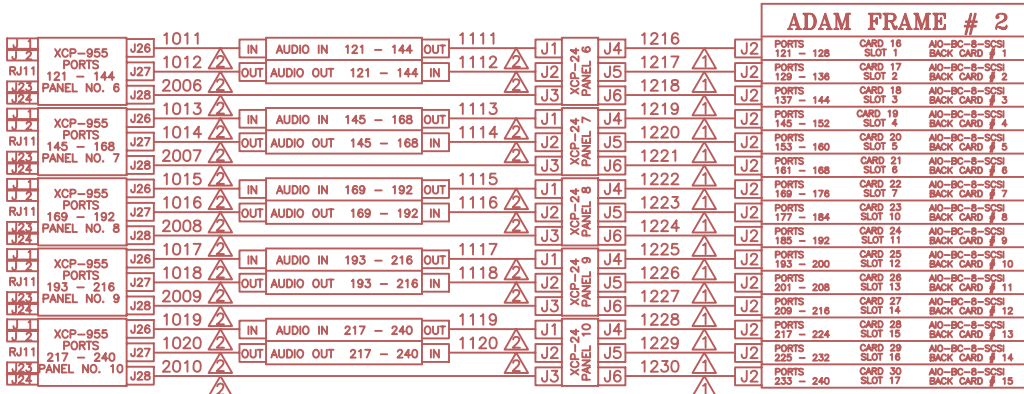
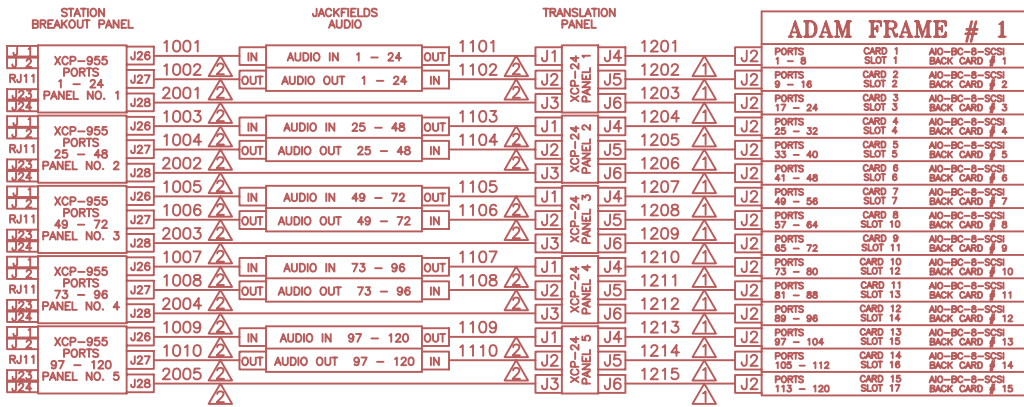


- CABLE LEGENDS:
- ▲ DENOTES 25 PAIRS SCSI-2 CABLE
SEE DRAWING : ADAM-801 (REV. C)
 - ▲ DENOTES 25 PAIRS TELCO CABLE
SEE DRAWING : ADAM-802 (REV. C)
 - ▲ DENOTES RJ45 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-803 (REV. C)
 - ▲ DENOTES RJ11 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-804 (REV. C)
 - ▲ DENOTES DE9P TO 25 PAIRS TELCO
SEE DRAWING : ADAM-805 (REV. C)
 - ▲ DENOTES 68 PINS SCSI-2 CABLE
SEE DRAWING : ADAM-806 (REV. C)
 - ▲ DENOTES RS232C CABLE
SEE DRAWING : ADAM-807 (REV. C)
 - ▲ DENOTES RS485, RS422 CABLE
SEE DRAWING : ADAM-808 (REV. C)
 - ▲ DENOTES RS485 CABLE
SEE DRAWING : ADAM-809 (REV. C)
 - ▲ DENOTES RG59 COAXIAL CABLE
SEE DRAWING : ADAM-810 (REV. C)

CONTRACT NO.		RTS SYSTEMS		BURBANK, CALIFORNIA, USA	
APPROVALS	DATE	ADAM INTERCOM SYSTEM 360 x 360			
DRAWN W. YAU	1 NOV 96	XCP-40-DB9			
CHECKED W. YAU	1 NOV 96	INTERCONNECT DIAGRAM			
ISSUED		SIZE	FSCM NO.	DWG NO.	REV
ADAM122C		SCALE		ADAM-122	C
				SHEET	







- CABLE LEGENDS:
- △ DENOTES 25 PAIRS SCSI-2 CABLE
SEE DRAWING : ADAM-801 (REV. C)
 - △ DENOTES 25 PAIRS TELCO CABLE
SEE DRAWING : ADAM-802 (REV. C)
 - △ DENOTES RJ45 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-803 (REV. C)
 - △ DENOTES RJ11 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-804 (REV. C)
 - △ DENOTES DE9P TO 25 PAIRS TELCO
SEE DRAWING : ADAM-805 (REV. C)
 - △ DENOTES 88 PINS SCSI-2 CABLE
SEE DRAWING : ADAM-806 (REV. C)
 - △ DENOTES RS232C CABLE
SEE DRAWING : ADAM-807 (REV. C)
 - △ DENOTES RS485, RS422 CABLE
SEE DRAWING : ADAM-808 (REV. C)
 - △ DENOTES RS485 CABLE
SEE DRAWING : ADAM-809 (REV. C)
 - △ DENOTES RG59 COAXIAL CABLE
SEE DRAWING : ADAM-810 (REV. C)

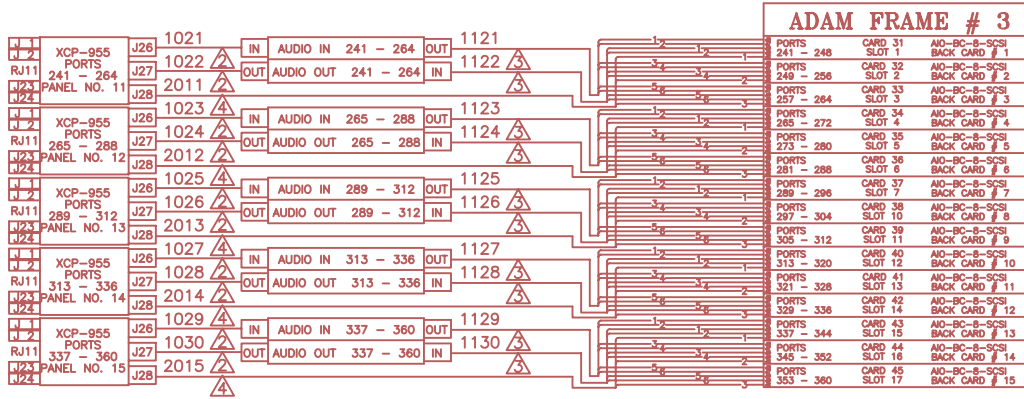
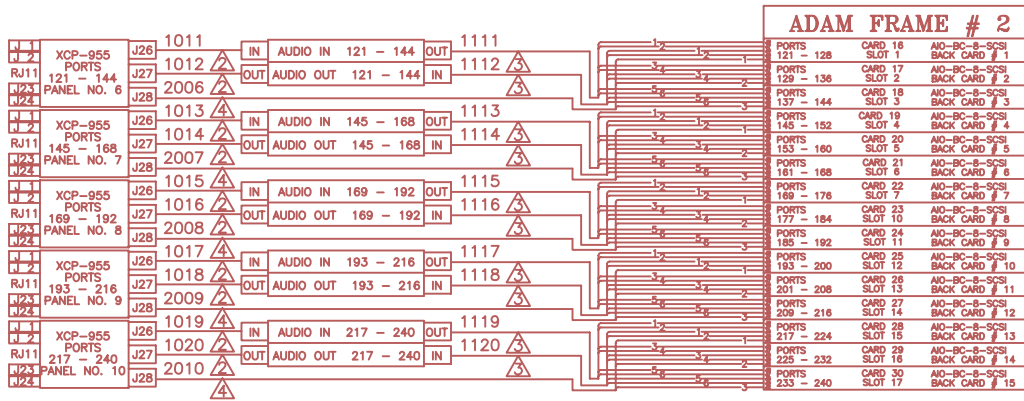
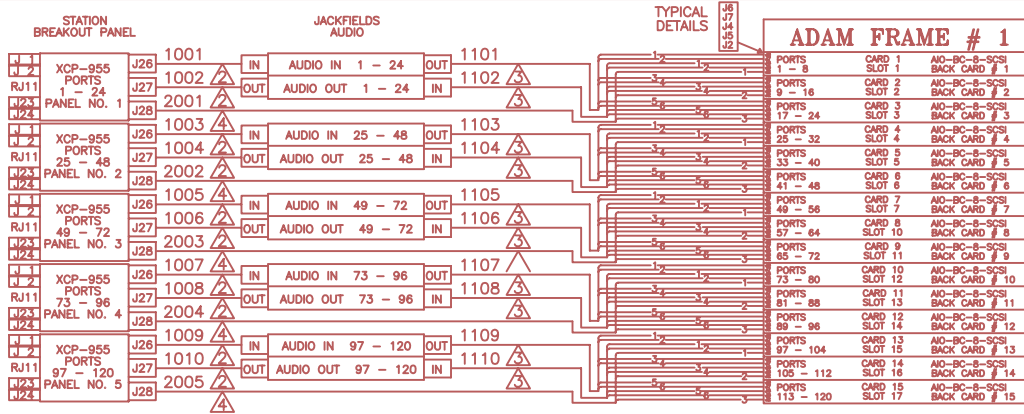
CONTRACT NO. **RTS SYSTEMS** BURBANK, CALIFORNIA, USA

APPROVALS DATE
DRAWN W. YAU 1 NOV 96
CHECKED W. YAU 1 NOV 96
ISSUED

ADAM
INTERCOM SYSTEM 360 x 360
XCP955 / JACKFIELD / SCSI
INTERCONNECT DIAGRAM

SIZE FSCM NO. DWG NO. REV
D ADAM-125 C

ADAM125C SCALE SHEET

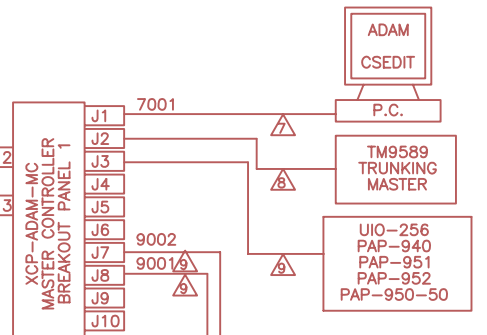
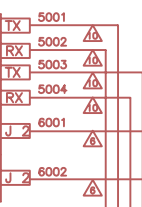


(SINGLE CHANNEL)
BUS EXPANDER
CARD 1 SLOT 9

(SINGLE CHANNEL)
BUS EXPANDER
CARD 2 SLOT 8

(MAIN)
MASTER CONTROLLER
CARD 1 SLOT 19

(BACK UP)
MASTER CONTROLLER
CARD 2 SLOT 20

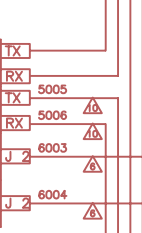


(SINGLE CHANNEL)
BUS EXPANDER
CARD 3 SLOT 9

(SINGLE CHANNEL)
BUS EXPANDER
CARD 4 SLOT 8

(SLAVE)
MASTER CONTROLLER
CARD 3 SLOT 19

(SLAVE)
MASTER CONTROLLER
CARD 4 SLOT 20



- CABLE LEGENDS:
- △ DENOTES 25 PAIRS SCSI-2 CABLE
SEE DRAWING : ADAM-801 (REV. C)
 - △ DENOTES 25 PAIRS TELCO CABLE
SEE DRAWING : ADAM-802 (REV. C)
 - △ DENOTES RJ45 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-803 (REV. C)
 - △ DENOTES RJ11 TO 25 PAIRS TELCO
SEE DRAWING : ADAM-804 (REV. C)
 - △ DENOTES DE9P TO 25 PAIRS TELCO
SEE DRAWING : ADAM-805 (REV. C)
 - △ DENOTES 88 PINS SCSI-2 CABLE
SEE DRAWING : ADAM-806 (REV. C)
 - △ DENOTES RS232C CABLE
SEE DRAWING : ADAM-807 (REV. C)
 - △ DENOTES RS485, RS422 CABLE
SEE DRAWING : ADAM-808 (REV. C)
 - △ DENOTES RS485 CABLE
SEE DRAWING : ADAM-809 (REV. C)
 - △ DENOTES RS69 COAXIAL CABLE
SEE DRAWING : ADAM-810 (REV. C)
 - △ DENOTES DE9 TO RJ11 CABLE
SEE DRAWING : ADAM-811 (REV. C)

CONTRACT NO.

APPROVALS DATE

DRAWN W. YAU 1 NOV 96

CHECKED W. YAU 1 NOV 96

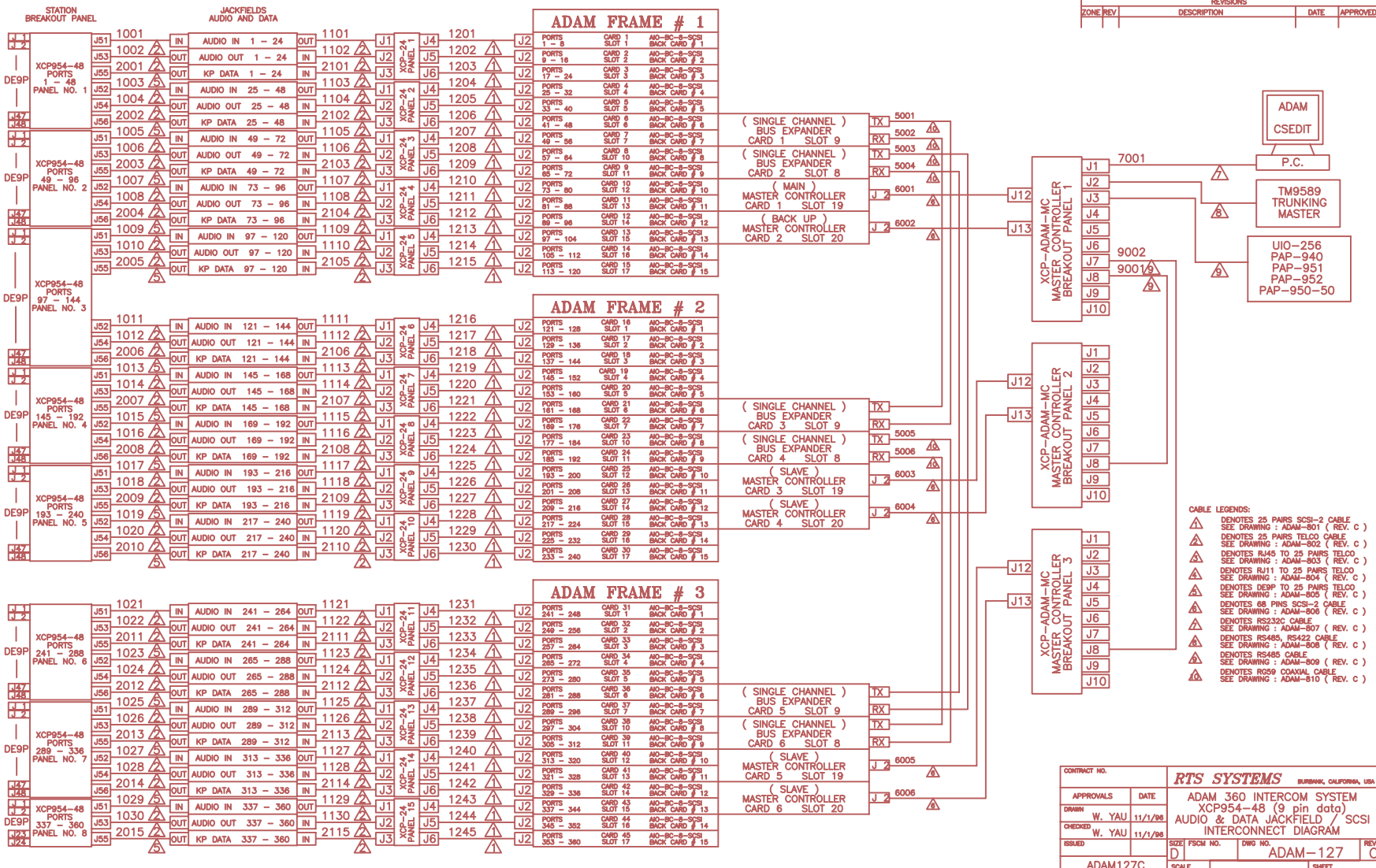
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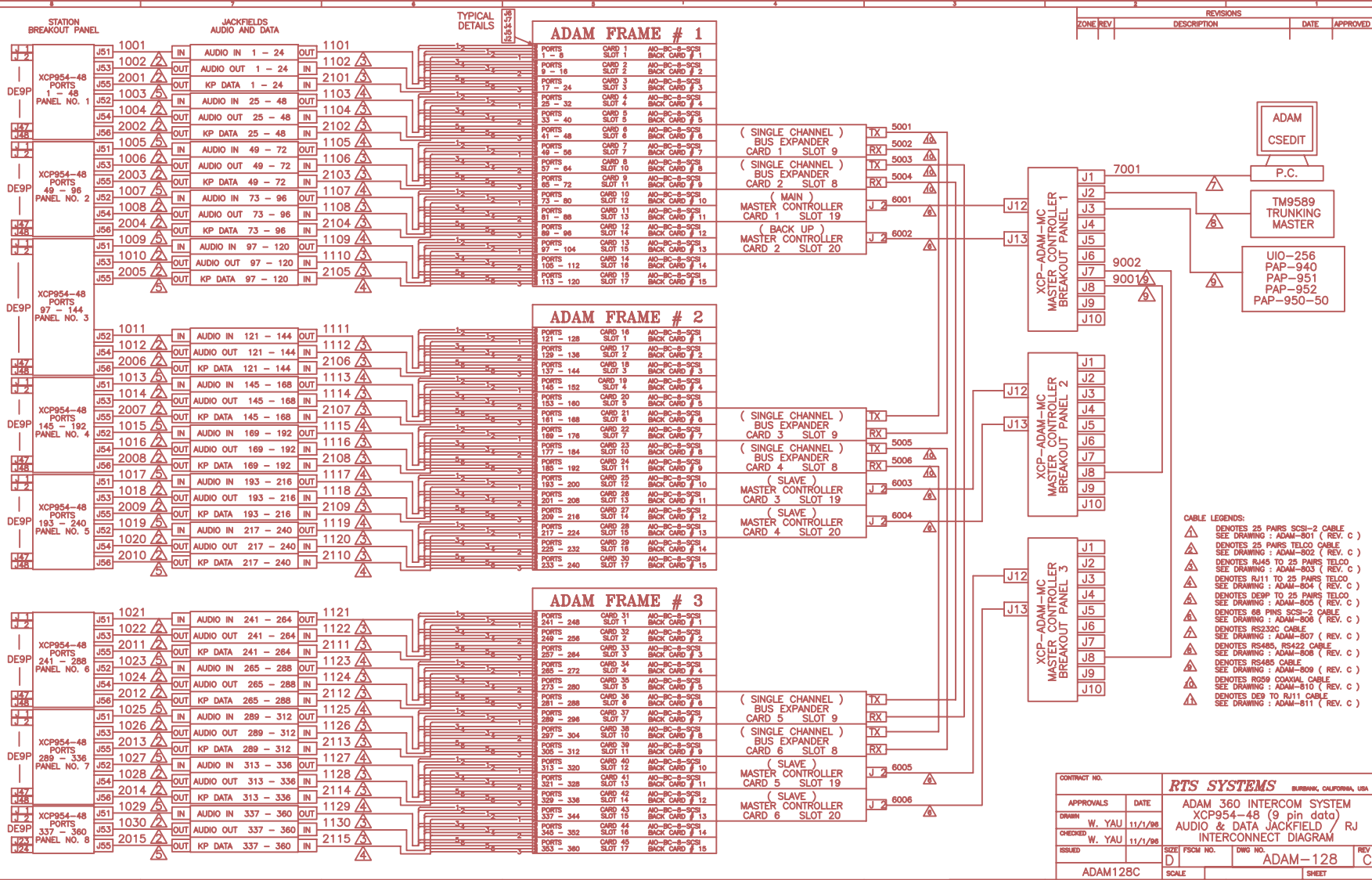
RTS SYSTEMS BURBANK, CALIFORNIA, USA

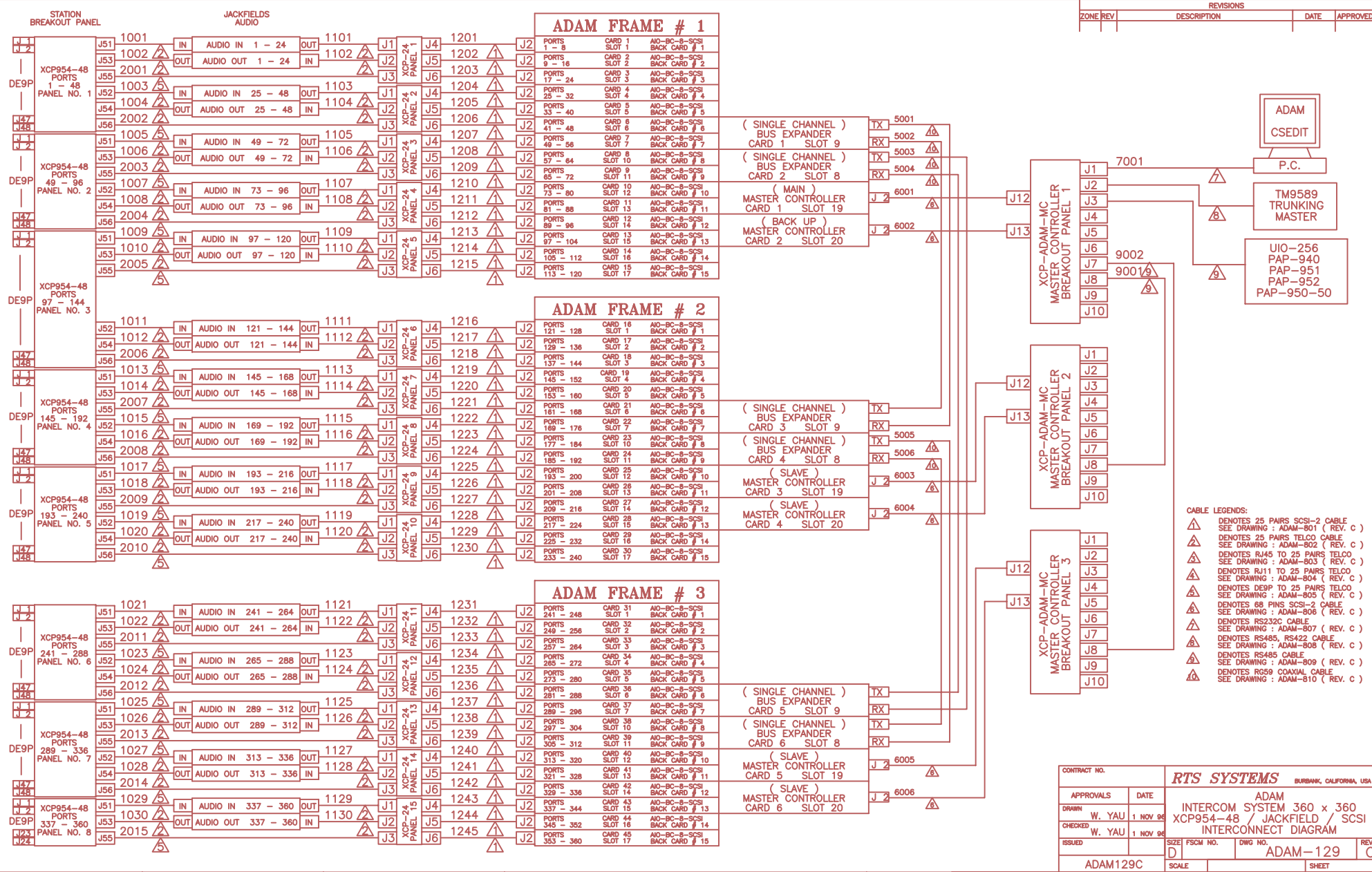
ADAM INTERCOM SYSTEM 360 x 360 XCP955 / JACKFIELD / RJ INTERCONNECT DIAGRAM

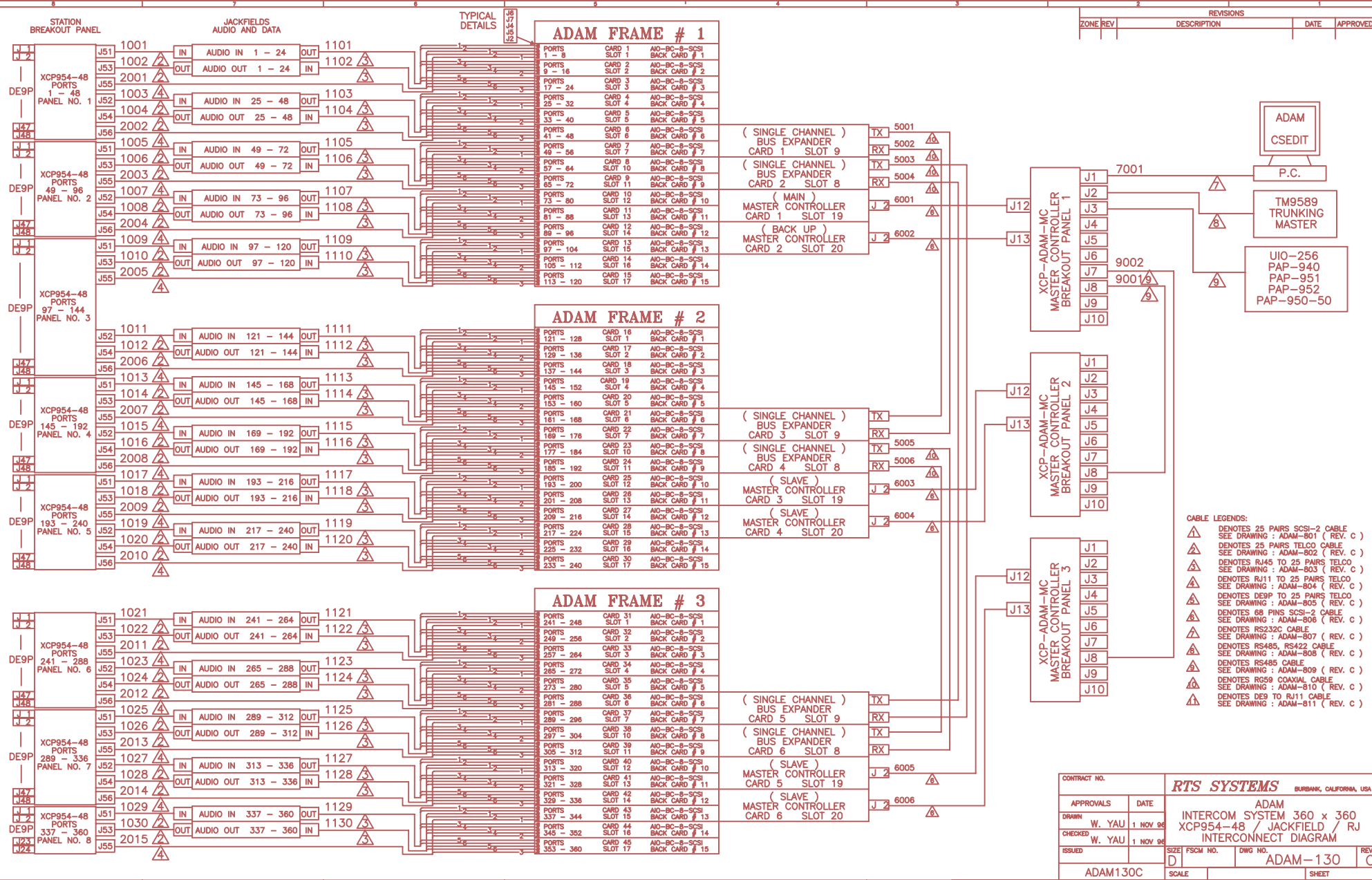
ADAM-126

SCALE SHEET

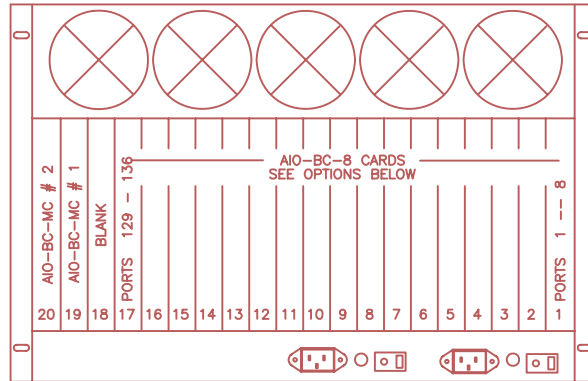




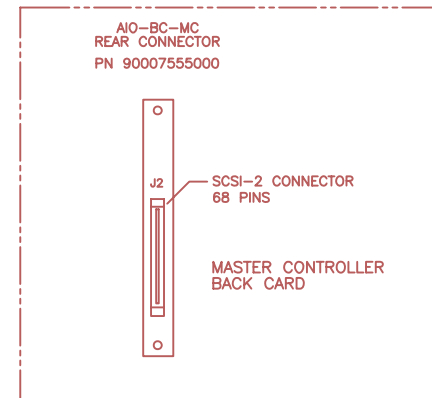
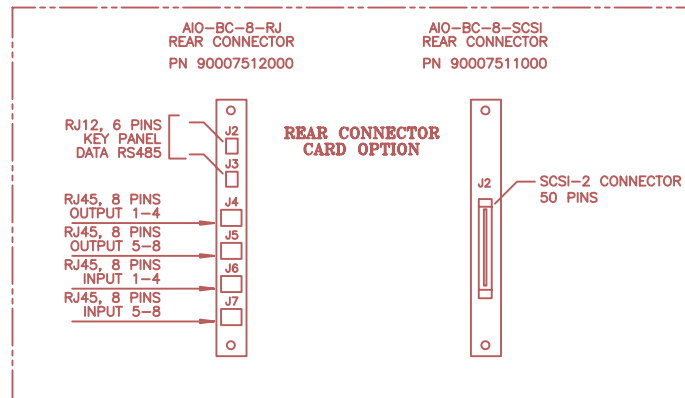
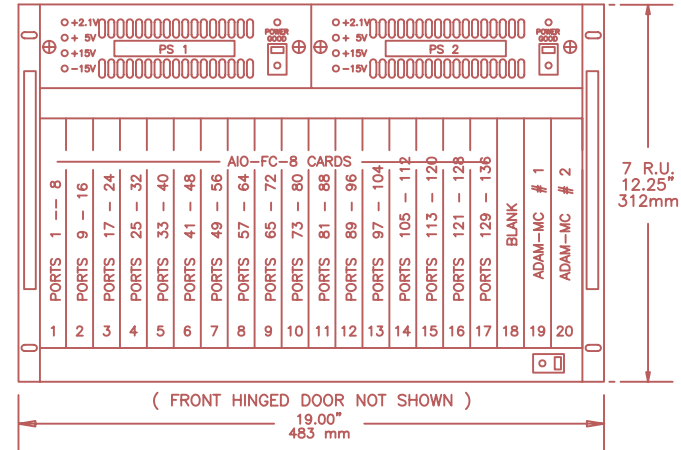




ADAM MATRIX FRAME REAR VIEW

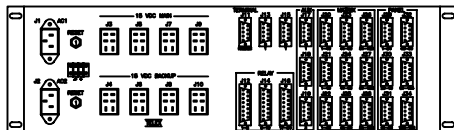


ADAM MATRIX FRAME FRONT VIEW

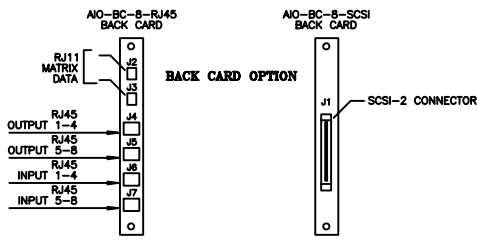
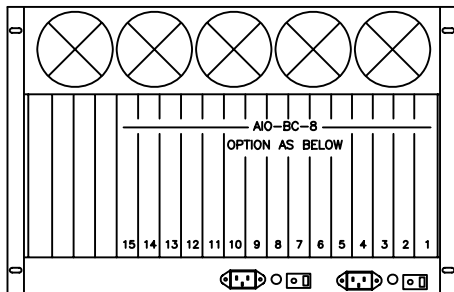


UNLESS OTHERWISE SPECIFIED REMOVE ALL BURR & BREAK SHARP EDGES HOLE TO DIMENSIONS AND REKT-1992, 19792 DIMENSIONS ARE IN INCHES TOLERANCES ARE: F/18 DECIMALS F/10 FRACTIONS JUL 16/2000 300P-FID AVILES FID		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA	
		APPROVALS	DATE		
		DRAWN	W. YAU	29 OCT 98	ADAM
		CHECKED	W. YAU	29 OCT 98	INTERCOM SYSTEM
		ISSUED			MATRIX FRAME LAYOUT
NEXT ASSY	USED ON	SIZE	FSCM NO.	DWG NO.	REV
				ADAM-301	C
APPLICATION		ADAM301C		SCALE NO	SHEET

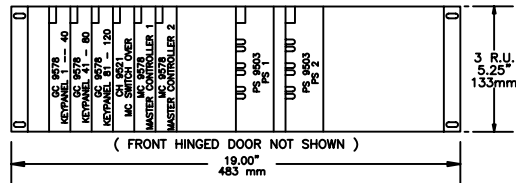
FR9510 CONTROLLER FRAME REAR VIEW



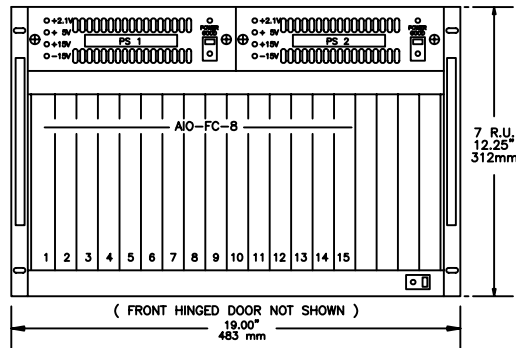
ADAM MATRIX FRAME REAR VIEW



FR9510 CONTROLLER FRAME FRONT VIEW

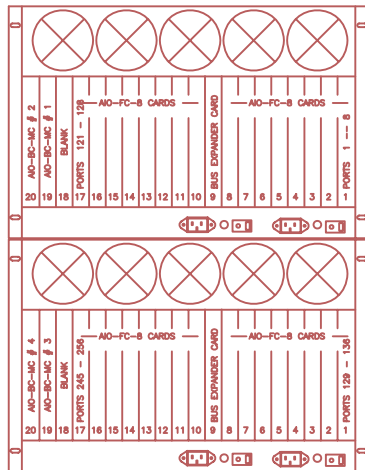


ADAM MATRIX FRAME FRONT VIEW

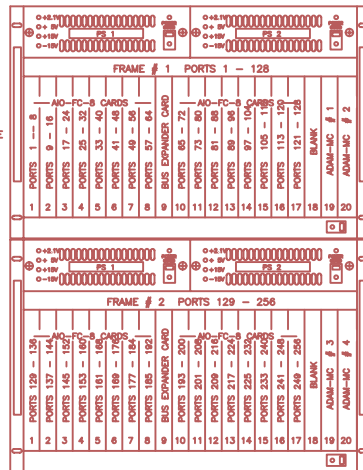


(UNLESS OTHERWISE SPECIFIED) DIMENSIONS ARE IN INCHES DIMENSIONS ARE IN MILLIMETERS FINISH: 303 STAINLESS STEEL PLATE: 303 STAINLESS STEEL SURFACE: 303 STAINLESS STEEL		CONTRACT NO. APPROVALS DATE W. YAU 24 MAY 88 W. YAU 24 MAY 88	RTS SYSTEMS ADAM INTERCOM MATRIX SINGLE FRAME WITH FR9510 EXTERNAL CTRL FRAME LAYOUT
NEXT ASSY USED ON APPLICATION	FINISH SCALE: 1/8" = 1"	ADAM-301 SCALE: 1/8" = 1"	SIZE FROM NO. D Dwg NO. ADAM301X REV A

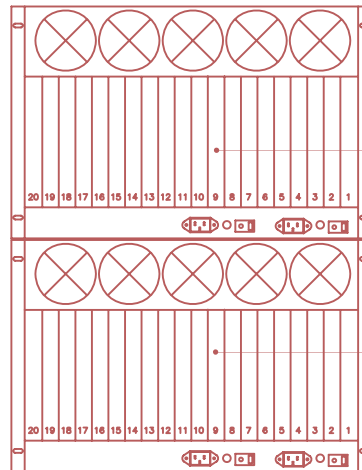
ADAM MATRIX FRAME REAR VIEW



**ADAM MATRIX FRAMES
FRONT VIEW**



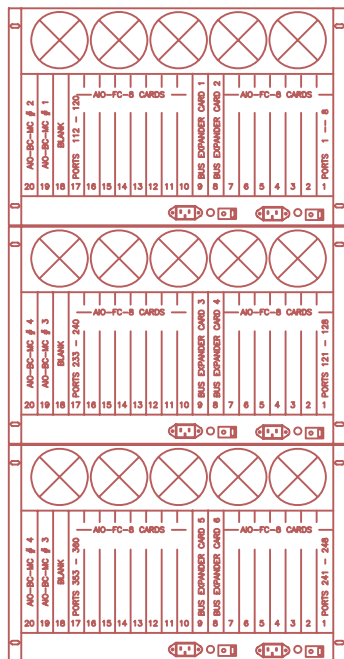
ADAM MATRIX FRAME REAR VIEW



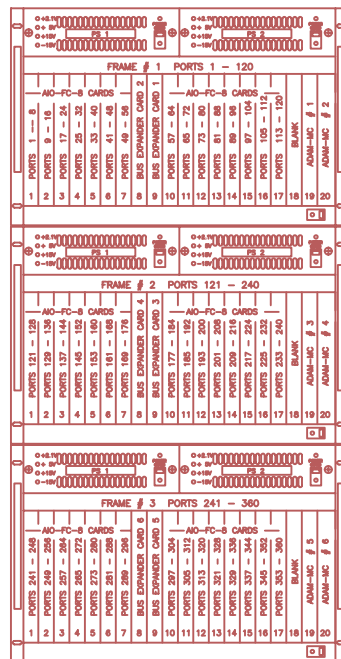
Each line represents 2 coax cables connected to their respective TX and RX connectors as shown above

UNLESS OTHERWISE SPECIFIED DRAWING IS TO BE MADE FROM SHIP SET OF DRAWINGS, FROM PROJECT NO. 10-10000 P/L NO. 1-10000 SHEET NO. 10000-100		CONTRACT NO. APPROVALS _____ DATE _____ DRAWN _____ CHECKED _____ G.B. 8/25/70 SEALED _____ G.B. 8/25/70		RTS SYSTEMS BUREAU, CALIFORNIA, USA ADAM INTERCOM SYSTEM 256 x 256 FRAME WITH SBX	
MATERIAL NEXT ASSY _____ USED ON _____ APPLICATION _____		PART NO. _____ ADAM302C		SIZE FROM NO. _____ DIB NO. _____ SCALE NO. _____ ADAM-302 _____ SHEET _____	

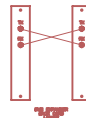
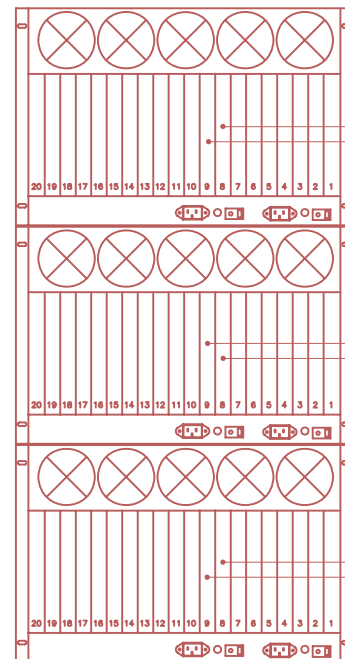
ADAM MATRIX FRAMES REAR VIEW



ADAM MATRIX FRAMES FRONT VIEW



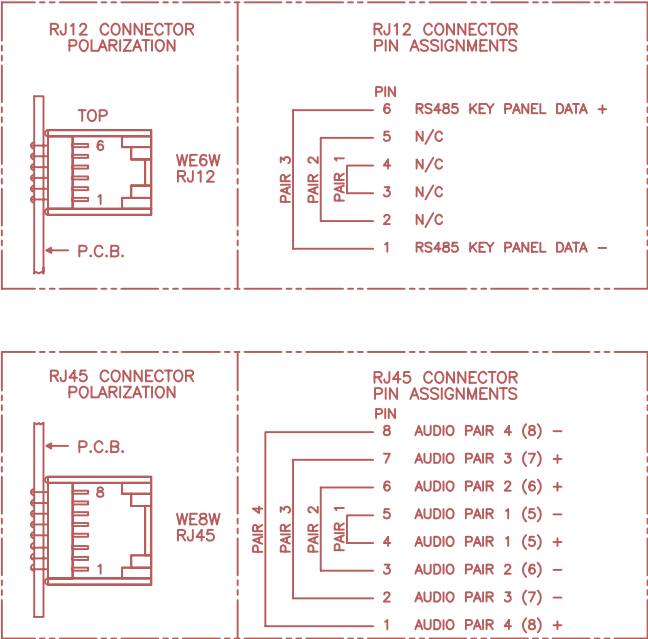
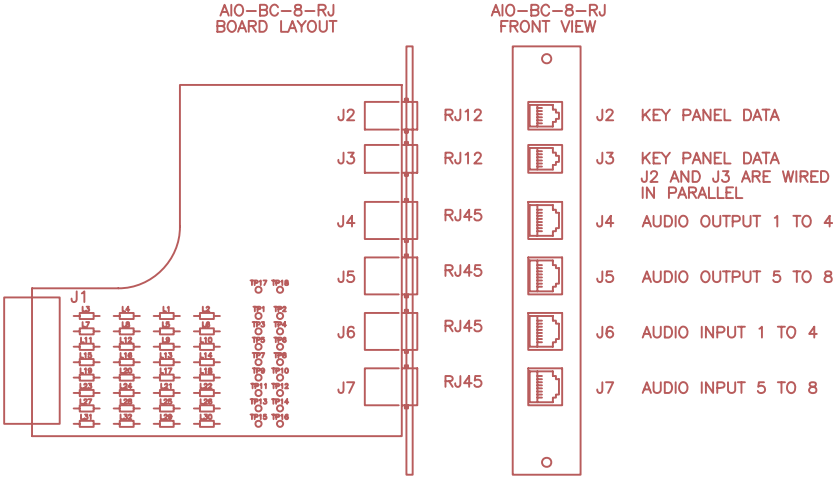
BUS EXPANDER INTERCONNECT REAR VIEW



Each line represents 2 coax cables connected to their respective TX and RX connectors as shown above

RELEASE OVERSEAS SPECIFIED MAKE AT LEAST 15 WORKING DAYS BEFORE SHIPMENT P/L/R 2-1000 20-1000 20-1000 SPECIAL ORDER 20-1000 20-1000 20-1000 FURNISH		CONTRACT NO. APPROVALS DATE DRAWN BY: YAU/J.S. REDREND 15 MAY 87 CHECKED BY: YAU/J.S. REDREND 15 MAY 87 ISSUED		RTS SYSTEMS BUREAU, CALIFORNIA, USA ADAM INTERCOM SYSTEM 360 X 360 MATRIX FRAMES LAYOUT AND SBX INTERCONNECT	
NEXT ASSY USED ON APPLICATION		SCALE NO. ADAM303D		SIZE FROM NO. D Dwg NO. ADAM-303 REV D SHEET	

	PREVIEW
--	---------



UNLESS OTHERWISE SPECIFIED RESUME ALL DIMENSIONS & WEIGHTS SHOWN DRAWN BY: J. YAU CHECKED BY: W. YAU DATE: 2 NOV 96 SCALE: 1:1 MATERIAL: ADAM305C FINISH: POLISHED		CONTRACT NO.		APPROVALS		DATE	
NEXT ASSY		USED ON		DRAWN		2 NOV 96	
APPLICATION				CHECKED		2 NOV 96	
				ISSUED			
				SIZE		FSCM NO.	
				D		ADAM-305	
				SCALE		SHEET	

RTS SYSTEMS BURBANK, CALIFORNIA, USA

AIO-BC-8-RJ
ANALOG INPUT / OUTPUT
BACK CARD / RJ12 / RJ45
COMPONENT LAYOUT

ADAM305C

ADAM-305

C

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
			APPROVED

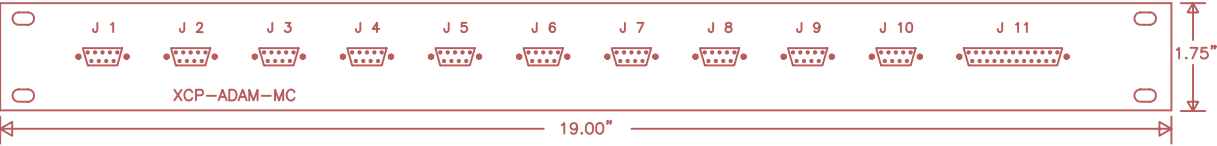
XCP-24 VIEW FROM CONNECTOR SIDE



J1, J2, J3 ARE 50 PIN TELCO, FEMALE CHASSIS TYPE
J4, J5, J6 ARE 50 PIN SCSI 2, FEMALE CHASSIS TYPE

UNLESS OTHERWISE SPECIFIED FINISH: ALL SURF. & BRIST. SHARP EDGES MATERIAL: ALUMINUM, 6061-T6, R1002 DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 1/16 .003125 .0015		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA	
		APPROVALS		DATE	
		DRAWN W. YAU		6 NOV 96	
		CHECKED W. YAU		6 NOV 96	
NEXT ASSY		USED ON		SIZE: FSCM NO. DWG NO. REV	
APPLICATION		FINISH		D ADAM-306 C	
		ADAM306C		SCALE SHEET	

XCP-ADAM-MC VIEW FROM CONNECTOR SIDE



J1 TO J10 ARE DE-9-S, FEMALE 9 PIN " D " SUB.
J11 IS DB-25-S, FEMALE 25 PIN " D " SUB

J 1 CSEDIT		
PIN	ASSIGNMENT 2-W	ASSIGNMENT 4-W
1	RS485 TX/RX -	RS422 RX -
2	RS232C RX	
3	RS232C TX	
4	RS422 TX -	RS422 TX -
5	GROUND	
6	GROUND	
7	RS422 TX +	RS422 TX +
8	RS485 TX/RX +	RS422 RX +
9	NOT USED	

J 2 TRUNKING SYSTEM		
PIN	ASSIGNMENT 2-W	ASSIGNMENT 4-W
1	RS485 TX/RX -	RS422 RX -
2	GROUND	
3	RS232C RX	
4	NOT USED	
5	RS422 TX +	RS422 TX +
6	RS485 TX/RX +	RS422 RX +
7	GROUND	
8	RS232C TX	
9	RS422 TX -	RS422 TX -

J 3 UIO-256 & PAP		
PIN	ASSIGNMENT 2-W	ASSIGNMENT 4-W
1	RS485 TX/RX -	RS422 RX -
2	GROUND	
3	NOT USED	
4	NOT USED	
5	RS422 TX +	RS422 TX +
6	RS485 TX/RX +	RS422 RX +
7	GROUND	
8	NOT USED	
9	RS422 TX -	RS422 TX -

J 4 GENERAL PURPOSE		
PIN	ASSIGNMENT 2-W	ASSIGNMENT 4-W
1	RS485 TX/RX -	RS422 RX -
2	GROUND	
3	NOT USED	
4	NOT USED	
5	RS422 TX +	RS422 TX +
6	RS485 TX/RX +	RS422 RX +
7	GROUND	
8	NOT USED	
9	RS422 TX -	RS422 TX -

J 5 GENERAL PURPOSE	
PIN	ASSIGNMENT 2-W
1	RS485 TX/RX -
2	GROUND
3	NOT USED
4	NOT USED
5	NOT USED
6	RS485 TX/RX +
7	GROUND
8	NOT USED
9	NOT USED

J 6 GENERAL PURPOSE	
PIN	ASSIGNMENT 2-W
1	RS485 TX/RX -
2	GROUND
3	NOT USED
4	NOT USED
5	NOT USED
6	RS485 TX/RX +
7	GROUND
8	NOT USED
9	NOT USED

J 7 GENERAL PURPOSE	
PIN	ASSIGNMENT 2-W
1	RS485 TX/RX -
2	GROUND
3	NOT USED
4	NOT USED
5	NOT USED
6	RS485 TX/RX +
7	GROUND
8	NOT USED
9	NOT USED

J 8 GENERAL PURPOSE	
PIN	ASSIGNMENT 2-W
1	RS485 TX/RX -
2	GROUND
3	NOT USED
4	NOT USED
5	NOT USED
6	RS485 TX/RX +
7	GROUND
8	NOT USED
9	NOT USED

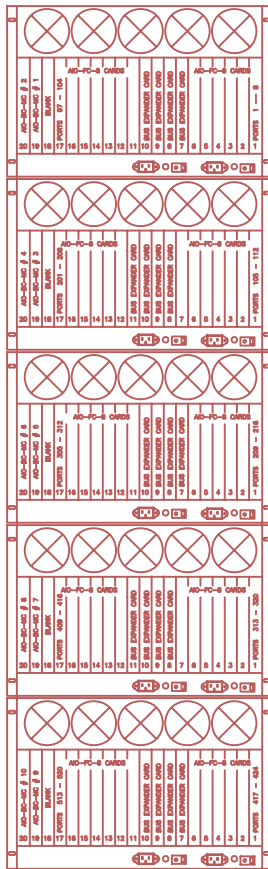
J 9 DEBUG CONNECTOR "A"	
PIN	ASSIGNMENT 2-W
1	NOT USED
2	GROUND
3	RS232C RX
4	NOT USED
5	NOT USED
6	NOT USED
7	GROUND
8	RS232C TX
9	NOT USED

J 10 DEBUG CONNECTOR "B"	
PIN	ASSIGNMENT 2-W
1	NOT USED
2	GROUND
3	RS232C RX
4	NOT USED
5	NOT USED
6	NOT USED
7	GROUND
8	RS232C TX
9	NOT USED

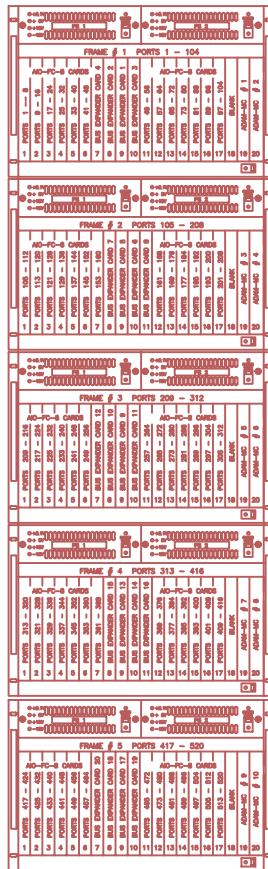
J 11 MISCELLANEOUS I/O CONNECTOR	
PIN	ASSIGNMENT
1	MI-0 LOGIC INPUT 0
2	MI-1 LOGIC INPUT 1
3	MI-2 LOGIC INPUT 2
4	MI-3 LOGIC INPUT 3
5	MI-4 LOGIC INPUT 4
6	MI-5 LOGIC INPUT 5
7	MI-6 LOGIC INPUT 6
8	MI-7 LOGIC INPUT 7
9	GROUND GROUND
10	GROUND GROUND
11	GROUND GROUND
12	GROUND GROUND
13	GROUND GROUND
14	MO-0 LOGIC OUTPUT 0
15	MO-1 LOGIC OUTPUT 1
16	MO-2 LOGIC OUTPUT 2
17	MO-3 LOGIC OUTPUT 3
18	MO-4 LOGIC OUTPUT 4
19	MO-5 LOGIC OUTPUT 5
20	MO-6 LOGIC OUTPUT 6
21	MO-7 LOGIC OUTPUT 7
22	GROUND GROUND
23	GROUND GROUND
24	GROUND GROUND
25	GROUND GROUND

UNLESS OTHERWISE SPECIFIED INDICATE ALL DIMENSIONS IN INCHES DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 1/16 .0030 .0001		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA	
DRAWN W. YAU		DATE 6 NOV 95		ADAM INTERCOM SYSTEM XCP-ADAM-MC PANEL & CONNECTORS LAYOUT ADAM-307	
CHECKED W. YAU		DATE 6 NOV 95			
ISSUED					
NEXT ASSY		USED ON		SCALE	
APPLICATION		FINISH		SHEET	
ADAM307C		ADAM307C		REV C	

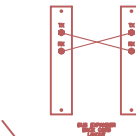
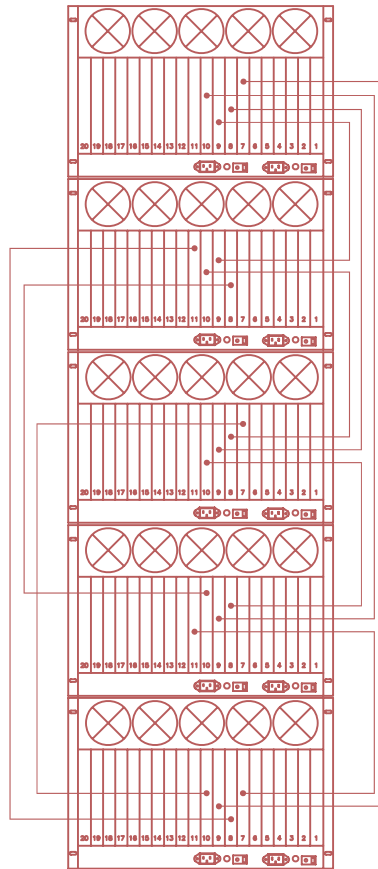
ADAM MATRIX FRAME REAR VIEW



ADAM MATRIX FRAMES FRONT VIEW



BUS EXPANDER INTERCONNECT REAR VIEW



Each line represents 2 coax cables connected to their respective TX and RX connectors as shown above

UNLESS OTHERWISE SPECIFIED
MATERIAL SHALL BE AS FOLLOWS:
STEEL: A36, 1018, 1020, 1045, 1050, 1060, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 3480, 3490, 3500, 3510, 3520, 3530, 3540, 3550, 3560, 3570, 3580, 3590, 3600, 3610, 3620, 3630, 3640, 3650, 3660, 3670, 3680, 3690, 3700, 3710, 3720, 3730, 3740, 3750, 3760, 3770, 3780, 3790, 3800, 3810, 3820, 3830, 3840, 3850, 3860, 3870, 3880, 3890, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 3970, 3980, 3990, 4000, 4010, 4020, 4030, 4040, 4050, 4060, 4070, 4080, 4090, 4100, 4110, 4120, 4130, 4140, 4150, 4160, 4170, 4180, 4190, 4200, 4210, 4220, 4230, 4240, 4250, 4260, 4270, 4280, 4290, 4300, 4310, 4320, 4330, 4340, 4350, 4360, 4370, 4380, 4390, 4400, 4410, 4420, 4430, 4440, 4450, 4460, 4470, 4480, 4490, 4500, 4510, 4520, 4530, 4540, 4550, 4560, 4570, 4580, 4590, 4600, 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680, 4690, 4700, 4710, 4720, 4730, 4740, 4750, 4760, 4770, 4780, 4790, 4800, 4810, 4820, 4830, 4840, 4850, 4860, 4870, 4880, 4890, 4900, 4910, 4920, 4930, 4940, 4950, 4960, 4970, 4980, 4990, 5000, 5010, 5020, 5030, 5040, 5050, 5060, 5070, 5080, 5090, 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5250, 5260, 5270, 5280, 5290, 5300, 5310, 5320, 5330, 5340, 5350, 5360, 5370, 5380, 5390, 5400, 5410, 5420, 5430, 5440, 5450, 5460, 5470, 5480, 5490, 5500, 5510, 5520, 5530, 5540, 5550, 5560, 5570, 5580, 5590, 5600, 5610, 5620, 5630, 5640, 5650, 5660, 5670, 5680, 5690, 5700, 5710, 5720, 5730, 5740, 5750, 5760, 5770, 5780, 5790, 5800, 5810, 5820, 5830, 5840, 5850, 5860, 5870, 5880, 5890, 5900, 5910, 5920, 5930, 5940, 5950, 5960, 5970, 5980, 5990, 6000, 6010, 6020, 6030, 6040, 6050, 6060, 6070, 6080, 6090, 6100, 6110, 6120, 6130, 6140, 6150, 6160, 6170, 6180, 6190, 6200, 6210, 6220, 6230, 6240, 6250, 6260, 6270, 6280, 6290, 6300, 6310, 6320, 6330, 6340, 6350, 6360, 6370, 6380, 6390, 6400, 6410, 6420, 6430, 6440, 6450, 6460, 6470, 6480, 6490, 6500, 6510, 6520, 6530, 6540, 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640, 6650, 6660, 6670, 6680, 6690, 6700, 6710, 6720, 6730, 6740, 6750, 6760, 6770, 6780, 6790, 6800, 6810, 6820, 6830, 6840, 6850, 6860, 6870, 6880, 6890, 6900, 6910, 6920, 6930, 6940, 6950, 6960, 6970, 6980, 6990, 7000, 7010, 7020, 7030, 7040, 7050, 7060, 7070, 7080, 7090, 7100, 7110, 7120, 7130, 7140, 7150, 7160, 7170, 7180, 7190, 7200, 7210, 7220, 7230, 7240, 7250, 7260, 7270, 7280, 7290, 7300, 7310, 7320, 7330, 7340, 7350, 7360, 7370, 7380, 7390, 7400, 7410, 7420, 7430, 7440, 7450, 7460, 7470, 7480, 7490, 7500, 7510, 7520, 7530, 7540, 7550, 7560, 7570, 7580, 7590, 7600, 7610, 7620, 7630, 7640, 7650, 7660, 7670, 7680, 7690, 7700, 7710, 7720, 7730, 7740, 7750, 7760, 7770, 7780, 7790, 7800, 7810, 7820, 7830, 7840, 7850, 7860, 7870, 7880, 7890, 7900, 7910, 7920, 7930, 7940, 7950, 7960, 7970, 7980, 7990, 8000, 8010, 8020, 8030, 8040, 8050, 8060, 8070, 8080, 8090, 8100, 8110, 8120, 8130, 8140, 8150, 8160, 8170, 8180, 8190, 8200, 8210, 8220, 8230, 8240, 8250, 8260, 8270, 8280, 8290, 8300, 8310, 8320, 8330, 8340, 8350, 8360, 8370, 8380, 8390, 8400, 8410, 8420, 8430, 8440, 8450, 8460, 8470, 8480, 8490, 8500, 8510, 8520, 8530, 8540, 8550, 8560, 8570, 8580, 8590, 8600, 8610, 8620, 8630, 8640, 8650, 8660, 8670, 8680, 8690, 8700, 8710, 8720, 8730, 8740, 8750, 8760, 8770, 8780, 8790, 8800, 8810, 8820, 8830, 8840, 8850, 8860, 8870, 8880, 8890, 8900, 8910, 8920, 8930, 8940, 8950, 8960, 8970, 8980, 8990, 9000, 9010, 9020, 9030, 9040, 9050, 9060, 9070, 9080, 9090, 9100, 9110, 9120, 9130, 9140, 9150, 9160, 9170, 9180, 9190, 9200, 9210, 9220, 9230, 9240, 9250, 9260, 9270, 9280, 9290, 9300, 9310, 9320, 9330, 9340, 9350, 9360, 9370, 9380, 9390, 9400, 9410, 9420, 9430, 9440, 9450, 9460, 9470, 9480, 9490, 9500, 9510, 9520, 9530, 9540, 9550, 9560, 9570, 9580, 9590, 9600, 9610, 9620, 9630, 9640, 9650, 9660, 9670, 9680, 9690, 9700, 9710, 9720, 9730, 9740, 9750, 9760, 9770, 9780, 9790, 9800, 9810, 9820, 9830, 9840, 9850, 9860, 9870, 9880, 9890, 9900, 9910, 9920, 9930, 9940, 9950, 9960, 9970, 9980, 9990, 10000.

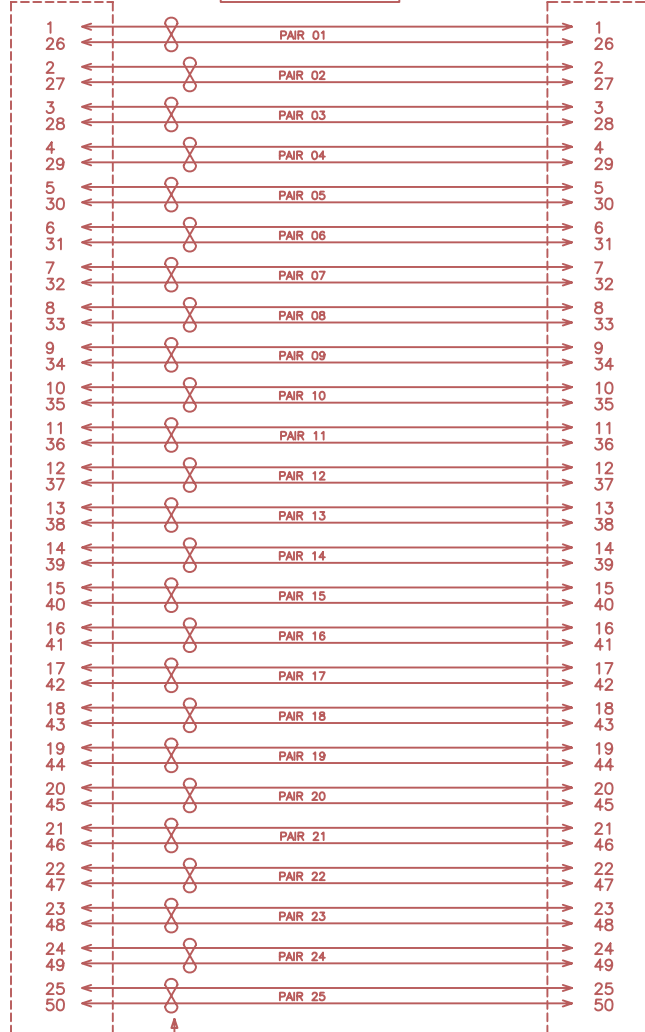
CONTRACT NO.

APPROVALS DATE
DRAWN W. YAU/G. BEHREND 13 MAY 87
CHECKED W. YAU/G. BEHREND 13 MAY 87
ISSUED

RTS SYSTEMS
BURNING, CALIFORNIA, USA
ADAM
INTERCOM SYSTEM 520 X 520
MATRIX FRAMES LAYOUT
AND BUS EXPANDER INTERCONNECT
SCALE NO. ADAM-308A SHEET

APPLICATION
NEXT ASSY USED ON FINISH

50 PINS
MALE SCSI-2 CONNECTOR



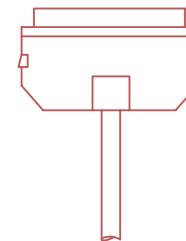
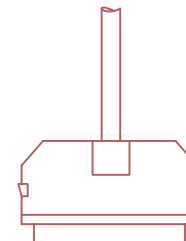
- TYPICAL
DENOTES TWISTED PAIRS

CABLE DETAILS FOR :

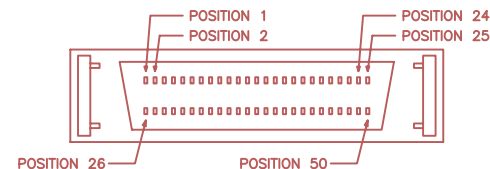


```
-- NOT USED
-- NOT USED
-- RS 485 KEY PANEL DATA +
-- RS 485 KEY PANEL DATA -
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- NOT USED
-- AUDIO INPUT TO MATRIX, PORT 1 -
-- AUDIO INPUT TO MATRIX, PORT 1 +
-- AUDIO OUTPUT FROM MATRIX, PORT 1 -
-- AUDIO OUTPUT FROM MATRIX, PORT 1 +
-- AUDIO INPUT TO MATRIX, PORT 2 -
-- AUDIO INPUT TO MATRIX, PORT 2 +
-- AUDIO OUTPUT FROM MATRIX, PORT 2 -
-- AUDIO OUTPUT FROM MATRIX, PORT 2 +
-- AUDIO INPUT TO MATRIX, PORT 3 -
-- AUDIO INPUT TO MATRIX, PORT 3 +
-- AUDIO OUTPUT FROM MATRIX, PORT 3 -
-- AUDIO OUTPUT FROM MATRIX, PORT 3 +
-- AUDIO INPUT TO MATRIX, PORT 4 -
-- AUDIO INPUT TO MATRIX, PORT 4 +
-- AUDIO OUTPUT FROM MATRIX, PORT 4 -
-- AUDIO OUTPUT FROM MATRIX, PORT 4 +
-- AUDIO INPUT TO MATRIX, PORT 5 -
-- AUDIO INPUT TO MATRIX, PORT 5 +
-- AUDIO OUTPUT FROM MATRIX, PORT 5 -
-- AUDIO OUTPUT FROM MATRIX, PORT 5 +
-- AUDIO INPUT TO MATRIX, PORT 6 -
-- AUDIO INPUT TO MATRIX, PORT 6 +
-- AUDIO OUTPUT FROM MATRIX, PORT 6 -
-- AUDIO OUTPUT FROM MATRIX, PORT 6 +
-- AUDIO INPUT TO MATRIX, PORT 7 -
-- AUDIO INPUT TO MATRIX, PORT 7 +
-- AUDIO OUTPUT FROM MATRIX, PORT 7 -
-- AUDIO OUTPUT FROM MATRIX, PORT 7 +
-- AUDIO INPUT TO MATRIX, PORT 8 -
-- AUDIO INPUT TO MATRIX, PORT 8 +
-- AUDIO OUTPUT FROM MATRIX, PORT 8 -
-- AUDIO OUTPUT FROM MATRIX, PORT 8 +
-- NOT USED
-- NOT USED
```

ASSEMBLY DETAILS

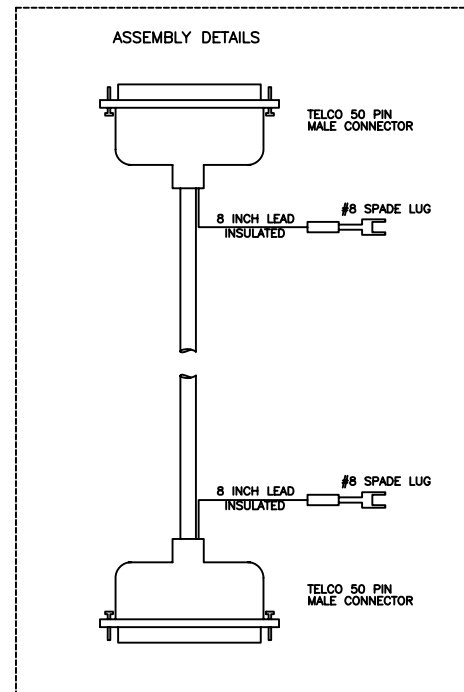
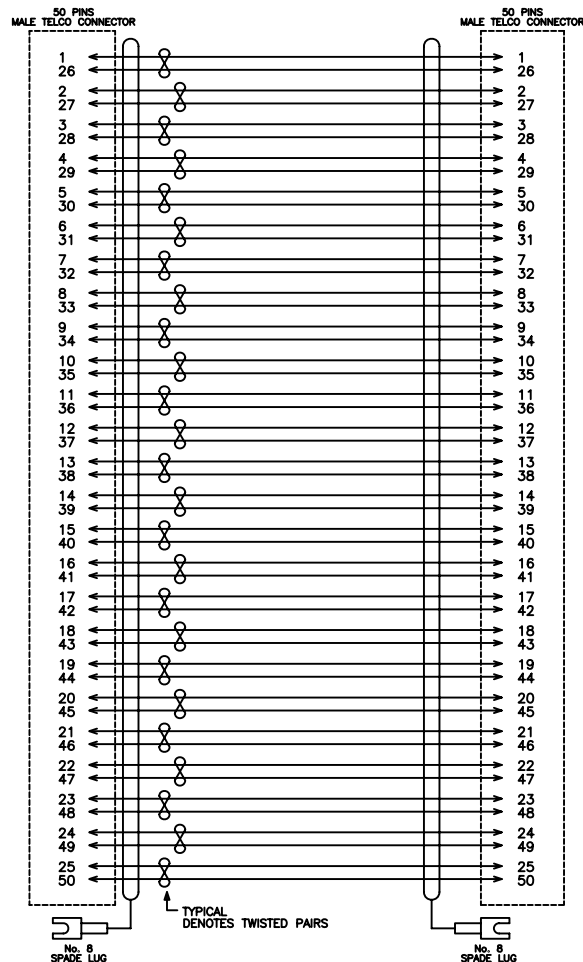
SCSI-2 50 PIN
MALE CONNECTOR

NOMINAL LENGTH : 8 FT.

SCSI-2 50 PIN
MALE CONNECTORCONNECTOR LAYOUT
VIEW FROM CONTACT SIDE

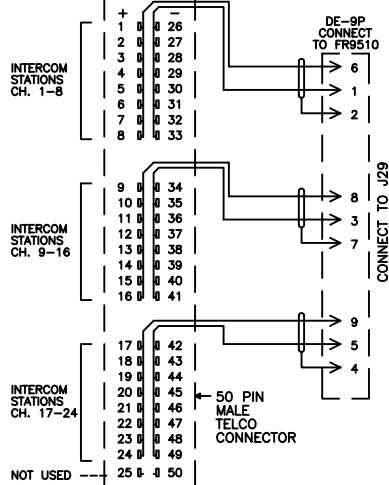
UNLESS OTHERWISE SPECIFIED RESUME ALL BARS & BRICK BOND STITCHES SEE DRAWINGS 8041-1780, RT02 DIMENSIONS ARE IN INCHES TO FINISH 1/16" 1/8" 1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/2" 2" 3" 4" 6" 8" 12" 18" 24" 36" 48" 60" 72" 84" 96" 108" 120" 144" 168" 192" 216" 240" 264" 288" 312" 336" 360" 384" 408" 432" 456" 480" 504" 528" 552" 576" 600" 624" 648" 672" 696" 720" 744" 768" 792" 816" 840" 864" 888" 912" 936" 960" 984" 1008" 1032" 1056" 1080" 1104" 1128" 1152" 1176" 1200" 1224" 1248" 1272" 1296" 1320" 1344" 1368" 1392" 1416" 1440" 1464" 1488" 1512" 1536" 1560" 1584" 1608" 1632" 1656" 1680" 1704" 1728" 1752" 1776" 1800" 1824" 1848" 1872" 1896" 1920" 1944" 1968" 1992" 2016" 2040" 2064" 2088" 2112" 2136" 2160" 2184" 2208" 2232" 2256" 2280" 2304" 2328" 2352" 2376" 2400" 2424" 2448" 2472" 2496" 2520" 2544" 2568" 2592" 2616" 2640" 2664" 2688" 2712" 2736" 2760" 2784" 2808" 2832" 2856" 2880" 2904" 2928" 2952" 2976" 3000" 3024" 3048" 3072" 3096" 3120" 3144" 3168" 3192" 3216" 3240" 3264" 3288" 3312" 3336" 3360" 3384" 3408" 3432" 3456" 3480" 3504" 3528" 3552" 3576" 3600" 3624" 3648" 3672" 3696" 3720" 3744" 3768" 3792" 3816" 3840" 3864" 3888" 3912" 3936" 3960" 3984" 4008" 4032" 4056" 4080" 4104" 4128" 4152" 4176" 4200" 4224" 4248" 4272" 4296" 4320" 4344" 4368" 4392" 4416" 4440" 4464" 4488" 4512" 4536" 4560" 4584" 4608" 4632" 4656" 4680" 4704" 4728" 4752" 4776" 4800" 4824" 4848" 4872" 4896" 4920" 4944" 4968" 4992" 5016" 5040" 5064" 5088" 5112" 5136" 5160" 5184" 5208" 5232" 5256" 5280" 5304" 5328" 5352" 5376" 5400" 5424" 5448" 5472" 5496" 5520" 5544" 5568" 5592" 5616" 5640" 5664" 5688" 5712" 5736" 5760" 5784" 5808" 5832" 5856" 5880" 5904" 5928" 5952" 5976" 6000" 6024" 6048" 6072" 6096" 6120" 6144" 6168" 6192" 6216" 6240" 6264" 6288" 6312" 6336" 6360" 6384" 6408" 6432" 6456" 6480" 6504" 6528" 6552" 6576" 6600" 6624" 6648" 6672" 6696" 6720" 6744" 6768" 6792" 6816" 6840" 6864" 6888" 6912" 6936" 6960" 6984" 7008" 7032" 7056" 7080" 7104" 7128" 7152" 7176" 7200" 7224" 7248" 7272" 7296" 7320" 7344" 7368" 7392" 7416" 7440" 7464" 7488" 7512" 7536" 7560" 7584" 7608" 7632" 7656" 7680" 7704" 7728" 7752" 7776" 7800" 7824" 7848" 7872" 7896" 7920" 7944" 7968" 7992" 8016" 8040" 8064" 8088" 8112" 8136" 8160" 8184" 8208" 8232" 8256" 8280" 8304" 8328" 8352" 8376" 8400" 8424" 8448" 8472" 8496" 8520" 8544" 8568" 8592" 8616" 8640" 8664" 8688" 8712" 8736" 8760" 8784" 8808" 8832" 8856" 8880" 8904" 8928" 8952" 8976" 9000" 9024" 9048" 9072" 9096" 9120" 9144" 9168" 9192" 9216" 9240" 9264" 9288" 9312" 9336" 9360" 9384" 9408" 9432" 9456" 9480" 9504" 9528" 9552" 9576" 9600" 9624" 9648" 9672" 9696" 9720" 9744" 9768" 9792" 9816" 9840" 9864" 9888" 9912" 9936" 9960" 9984" 10000	CONTRACT NO.	RTS SYSTEMS				BURBANK, CALIFORNIA, USA		
	APPROVALS	DATE	ADAM INTERCOM SYSTEM					
	DRAWN	W. YAU	1 NOV 96	AUDIO INPUT / OUTPUT / DATA				
	CHECKED	W. YAU	1 NOV 96	50 PINS				
ISSUED			SIZE	FSCM NO.	DWG NO.	ADAM-801	REV	
FINISH			SCALE				C	
	ADAM-801				SHEET			

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

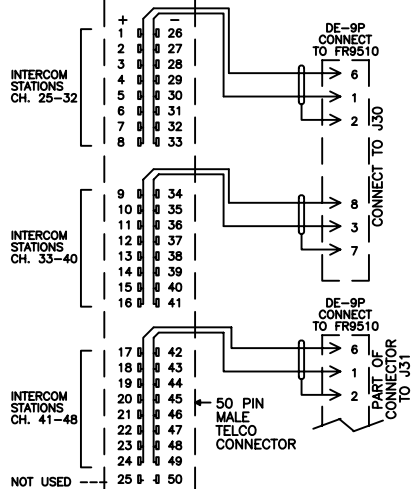


UNLESS OTHERWISE SPECIFIED DRAWING SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING: 1. FEDERAL SPECIFICATIONS 2. MILITARY STANDARDS 3. ASME STANDARDS 4. SAE STANDARDS 5. ASTM STANDARDS 6. AIAA STANDARDS 7. IEEE STANDARDS 8. IEC STANDARDS 9. ISO STANDARDS 10. JIS STANDARDS 11. BS STANDARDS 12. DIN STANDARDS 13. EN STANDARDS 14. BS EN STANDARDS 15. BS EN ISO STANDARDS 16. BS EN ISO 9001:2015 17. BS EN ISO 14001:2015 18. BS EN ISO 45001:2018 19. BS EN ISO 50001:2018 20. BS EN ISO 9001:2015 21. BS EN ISO 14001:2015 22. BS EN ISO 45001:2018 23. BS EN ISO 50001:2018 24. BS EN ISO 9001:2015 25. BS EN ISO 14001:2015 26. BS EN ISO 45001:2018 27. BS EN ISO 50001:2018 28. BS EN ISO 9001:2015 29. BS EN ISO 14001:2015 30. BS EN ISO 45001:2018 31. BS EN ISO 50001:2018 32. BS EN ISO 9001:2015 33. BS EN ISO 14001:2015 34. BS EN ISO 45001:2018 35. BS EN ISO 50001:2018 36. BS EN ISO 9001:2015 37. BS EN ISO 14001:2015 38. BS EN ISO 45001:2018 39. BS EN ISO 50001:2018 40. BS EN ISO 9001:2015 41. BS EN ISO 14001:2015 42. BS EN ISO 45001:2018 43. BS EN ISO 50001:2018 44. BS EN ISO 9001:2015 45. BS EN ISO 14001:2015 46. BS EN ISO 45001:2018 47. BS EN ISO 50001:2018 48. BS EN ISO 9001:2015 49. BS EN ISO 14001:2015 50. BS EN ISO 45001:2018 51. BS EN ISO 50001:2018 52. BS EN ISO 9001:2015 53. BS EN ISO 14001:2015 54. BS EN ISO 45001:2018 55. BS EN ISO 50001:2018 56. BS EN ISO 9001:2015 57. BS EN ISO 14001:2015 58. BS EN ISO 45001:2018 59. BS EN ISO 50001:2018 60. BS EN ISO 9001:2015 61. BS EN ISO 14001:2015 62. BS EN ISO 45001:2018 63. BS EN ISO 50001:2018 64. BS EN ISO 9001:2015 65. BS EN ISO 14001:2015 66. BS EN ISO 45001:2018 67. BS EN ISO 50001:2018 68. BS EN ISO 9001:2015 69. BS EN ISO 14001:2015 70. BS EN ISO 45001:2018 71. BS EN ISO 50001:2018 72. BS EN ISO 9001:2015 73. BS EN ISO 14001:2015 74. BS EN ISO 45001:2018 75. BS EN ISO 50001:2018 76. BS EN ISO 9001:2015 77. BS EN ISO 14001:2015 78. BS EN ISO 45001:2018 79. BS EN ISO 50001:2018 80. BS EN ISO 9001:2015 81. BS EN ISO 14001:2015 82. BS EN ISO 45001:2018 83. BS EN ISO 50001:2018 84. BS EN ISO 9001:2015 85. BS EN ISO 14001:2015 86. BS EN ISO 45001:2018 87. BS EN ISO 50001:2018 88. BS EN ISO 9001:2015 89. BS EN ISO 14001:2015 90. BS EN ISO 45001:2018 91. BS EN ISO 50001:2018 92. BS EN ISO 9001:2015 93. BS EN ISO 14001:2015 94. BS EN ISO 45001:2018 95. BS EN ISO 50001:2018 96. BS EN ISO 9001:2015 97. BS EN ISO 14001:2015 98. BS EN ISO 45001:2018 99. BS EN ISO 50001:2018 100. BS EN ISO 9001:2015 101. BS EN ISO 14001:2015 102. BS EN ISO 45001:2018 103. BS EN ISO 50001:2018 104. BS EN ISO 9001:2015 105. BS EN ISO 14001:2015 106. BS EN ISO 45001:2018 107. BS EN ISO 50001:2018 108. BS EN ISO 9001:2015 109. BS EN ISO 14001:2015 110. BS EN ISO 45001:2018 111. BS EN ISO 50001:2018 112. BS EN ISO 9001:2015 113. BS EN ISO 14001:2015 114. BS EN ISO 45001:2018 115. BS EN ISO 50001:2018 116. BS EN ISO 9001:2015 117. BS EN ISO 14001:2015 118. BS EN ISO 45001:2018 119. BS EN ISO 50001:2018 120. BS EN ISO 9001:2015 121. BS EN ISO 14001:2015 122. BS EN ISO 45001:2018 123. BS EN ISO 50001:2018 124. BS EN ISO 9001:2015 125. BS EN ISO 14001:2015 126. BS EN ISO 45001:2018 127. BS EN ISO 50001:2018 128. BS EN ISO 9001:2015 129. BS EN ISO 14001:2015 130. BS EN ISO 45001:2018 131. BS EN ISO 50001:2018 132. BS EN ISO 9001:2015 133. BS EN ISO 14001:2015 134. BS EN ISO 45001:2018 135. BS EN ISO 50001:2018 136. BS EN ISO 9001:2015 137. BS EN ISO 14001:2015 138. BS EN ISO 45001:2018 139. BS EN ISO 50001:2018 140. BS EN ISO 9001:2015 141. BS EN ISO 14001:2015 142. BS EN ISO 45001:2018 143. BS EN ISO 50001:2018 144. BS EN ISO 9001:2015 145. BS EN ISO 14001:2015 146. BS EN ISO 45001:2018 147. BS EN ISO 50001:2018 148. BS EN ISO 9001:2015 149. BS EN ISO 14001:2015 150. BS EN ISO 45001:2018 151. BS EN ISO 50001:2018 152. BS EN ISO 9001:2015 153. BS EN ISO 14001:2015 154. BS EN ISO 45001:2018 155. BS EN ISO 50001:2018 156. BS EN ISO 9001:2015 157. BS EN ISO 14001:2015 158. BS EN ISO 45001:2018 159. BS EN ISO 50001:2018 160. BS EN ISO 9001:2015 161. BS EN ISO 14001:2015 162. BS EN ISO 45001:2018 163. BS EN ISO 50001:2018 164. BS EN ISO 9001:2015 165. BS EN ISO 14001:2015 166. BS EN ISO 45001:2018 167. BS EN ISO 50001:2018 168. BS EN ISO 9001:2015 169. BS EN ISO 14001:2015 170. BS EN ISO 45001:2018 171. BS EN ISO 50001:2018 172. BS EN ISO 9001:2015 173. BS EN ISO 14001:2015 174. BS EN ISO 45001:2018 175. BS EN ISO 50001:2018 176. BS EN ISO 9001:2015 177. BS EN ISO 14001:2015 178. BS EN ISO 45001:2018 179. BS EN ISO 50001:2018 180. BS EN ISO 9001:2015 181. BS EN ISO 14001:2015 182. BS EN ISO 45001:2018 183. BS EN ISO 50001:2018 184. BS EN ISO 9001:2015 185. BS EN ISO 14001:2015 186. BS EN ISO 45001:2018 187. BS EN ISO 50001:2018 188. BS EN ISO 9001:2015 189. BS EN ISO 14001:2015 	
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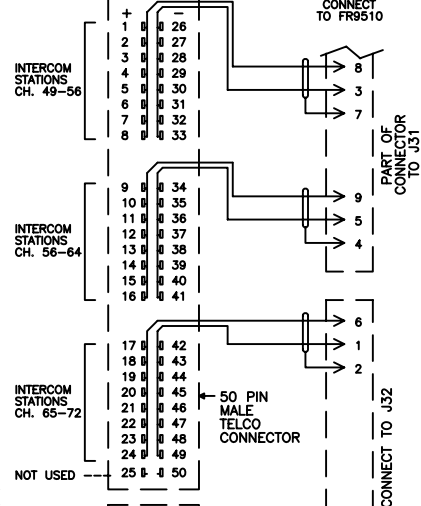
CABLE 2001



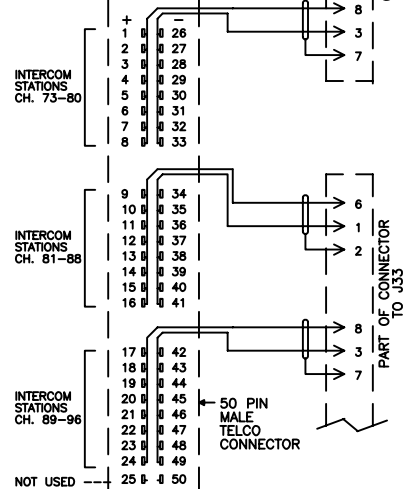
CABLE 2002



CABLE 2003

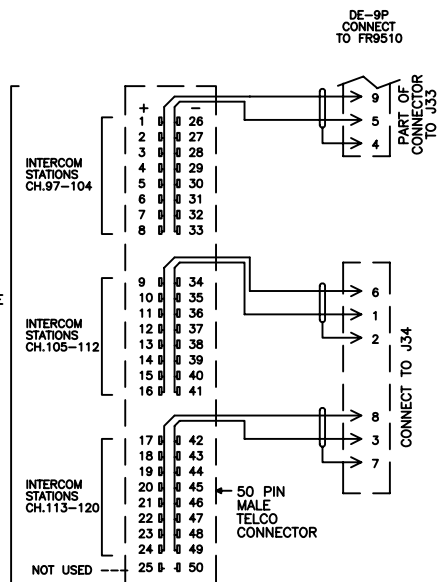


CABLE 2004



REVISIONS	DATE	APPROVED
CONTRACT NO.	RTS SYSTEMS	BURBANK, CALIFORNIA, USA

CABLE 2005



APPROVALS		DATE	RTS SYSTEMS		BURBANK, CALIFORNIA, USA
DRAWN	W. YAU	25 MAY 85	ADAM INTERCOM SYSTEM		
CHECKED	W. YAU	25 MAY 85	KEY PANEL TRANSLATION		
ISSUED	D		DATA CABLES DETAILS		
ADAM-802			SCALE	DWG NO. ADAM802X	REV A
				SHEET	

50 PINS
MALE TELCO CONNECTOR

TYPICAL 25 PAIRS
TO RJ45 CABLE

3

8 PINS
MALE RJ45 CONNECTOR

RJ45
CONNECTOR
1

RJ45
CONNECTOR
2

RJ45
CONNECTOR
3

RJ45
CONNECTOR
4

RJ45
CONNECTOR
5

RJ45
CONNECTOR
6

NOTE:
CABLE DETAILS FOR

3

TYPICAL
DENOTES TWISTED PAIRS

ASSEMBLY DETAIL

TELCO 50 PINS, MALE
90 DEGREE COVER

PART NO. 90207553008
RJ45 OCTOPUS CABLE
WITH 90 DEGREE COVER
SCREWLOCK TELCO, MALE

PART NO. 90207553108
RJ45 OCTOPUS CABLE
WITH 90 DEGREE COVER
BAIL LOCK TELCO, MALE

RJ45 CONNECTORS
8 PINS

ASSEMBLY DETAIL

TELCO 50 PINS, MALE
180 DEGREE COVER

PART NO. 90207553208
RJ45 OCTOPUS CABLE
WITH 180 DEGREE COVER
SCREWLOCK TELCO, MALE

PART NO. 90207553308
RJ45 OCTOPUS CABLE
WITH 180 DEGREE COVER
BAIL LOCK TELCO, MALE

RJ45 CONNECTORS
8 PINS

UNLESS OTHERWISE SPECIFIED
REQUIRE ALL BUREAU & BUREAU SERIES
WALL MOUNTING, 10
CONNECTIONS PER 10
TO BUREAU AND
FACILITIES
PI/10
1000000
J. P. 000
J. P. 000
J. P. 000

CONTRACT NO.
APPROVALS
DATE
DRAWN
W. YAU
1 NOV 96
CHECKED
W. YAU
1 NOV 96
ISSUED

RTS SYSTEMS
BURBANK, CALIFORNIA, USA
ADAM INTERCOM SYSTEM
AUDIO INPUT / OUTPUT
25 PAIRS TO RJ45 CABLE
DWG NO.
ADAM-803
REV
C

NEXT ASSY
USED ON

MATERIAL
FINISH

APPLICATION

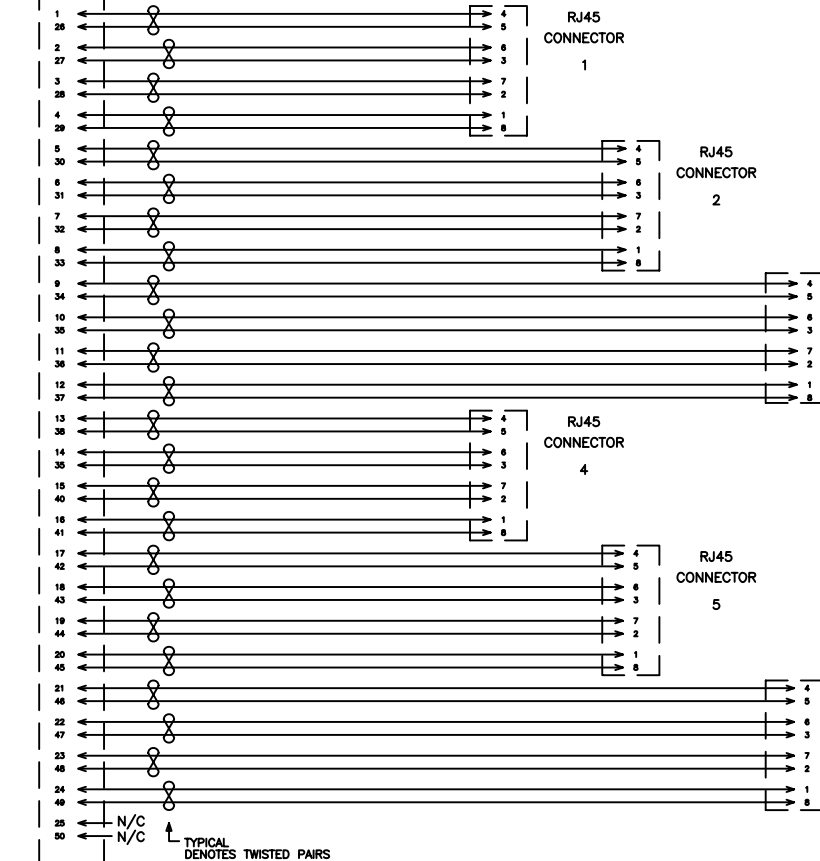
ADAM803C

SCALE
SHEET

50 PINS
MALE TELCO CONNECTOR

8 PINS
MALE RJ45 CONNECTOR

REVISIONS			
ZONE	REV	DESCRIPTION	DATE

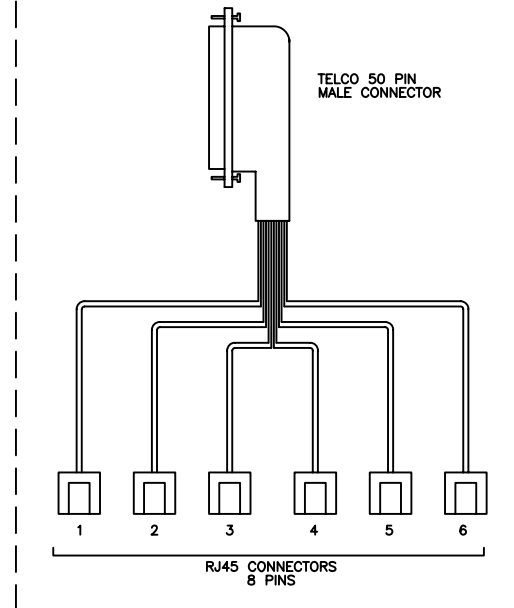


NOTE:

CABLE ASSEMBLY = MOD-TAP 23-206-810

TYPICAL
DENOTES TWISTED PAIRS

ASSEMBLY DETAILS



UNLESS OTHERWISE SPECIFIED
MATERIALS ARE TO BE USED
AS SHOWN
P/Ns
REVISED
DATE
200-015

CONTRACT NO.
APPROVALS
DATE
DRAWN
W. YAU
24MAY95
CHECKED
W. YAU
24MAY95
ISSUED
D

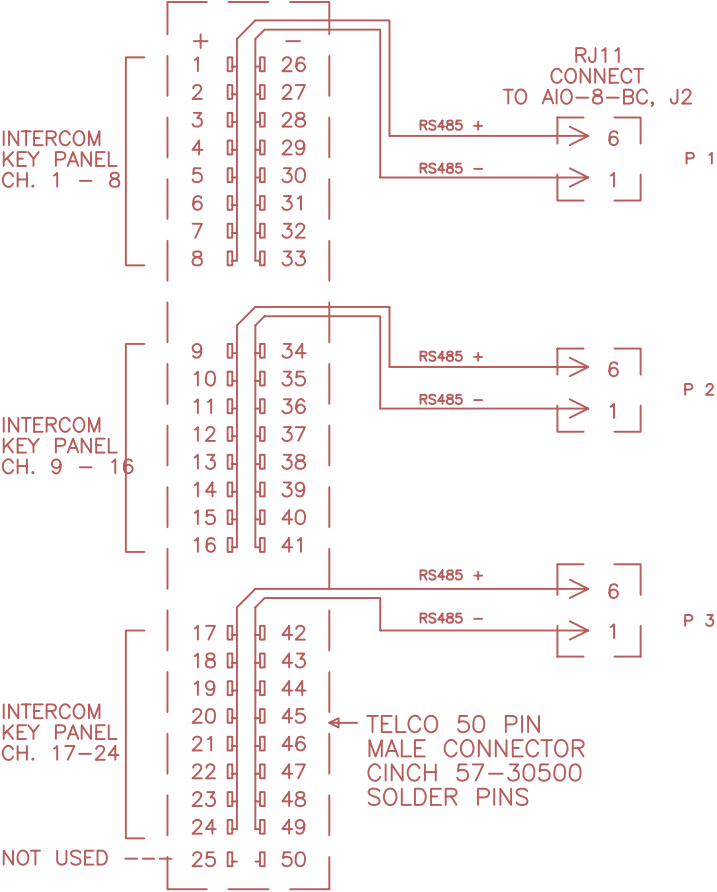
RTS SYSTEMS BURLINGAME, CALIFORNIA, USA
ADAM INTERCOM SYSTEM
AUDIO INPUT / OUTPUT
25 PAIRS TO RJ45 BREAKOUT CABLE

NEXT ASSY	USED ON
APPLICATION	

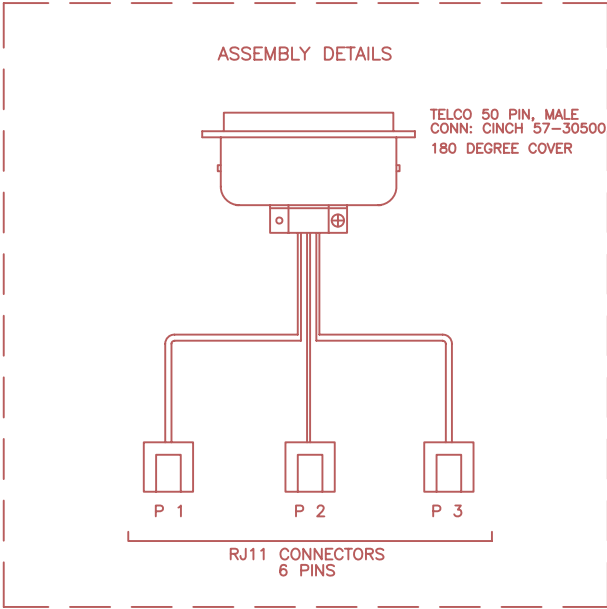
SIZE	PSOM NO.	DWG NO.	REV
D		ADAM803X	A
SCALE			SHEET

ZONE REV		REVISIONS		
		DESCRIPTION	DATE	APPROVED

CABLE DETAILS

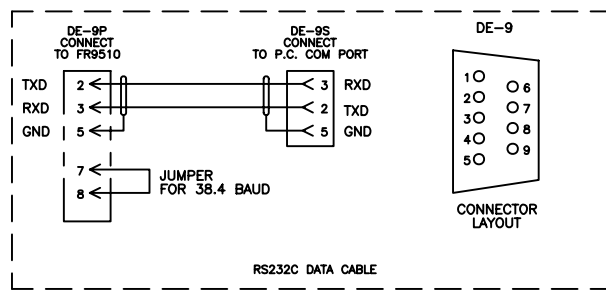
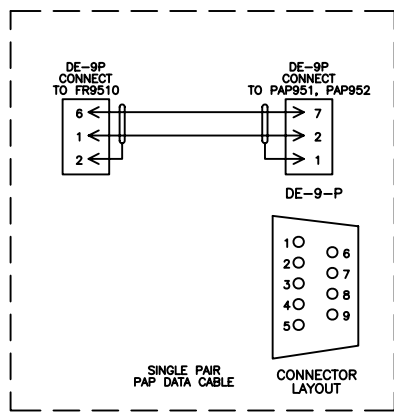
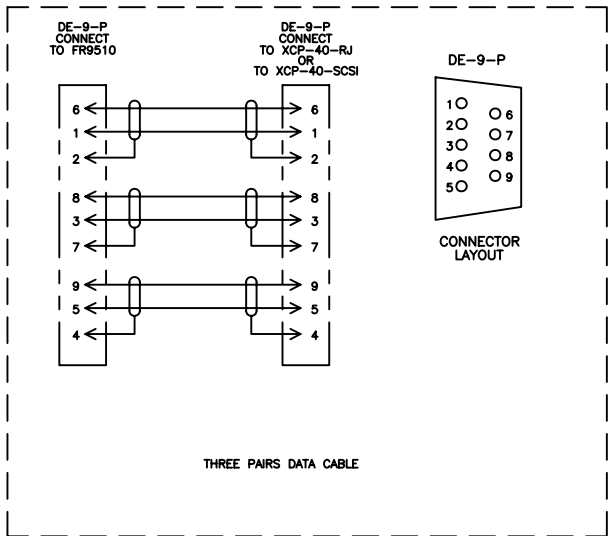
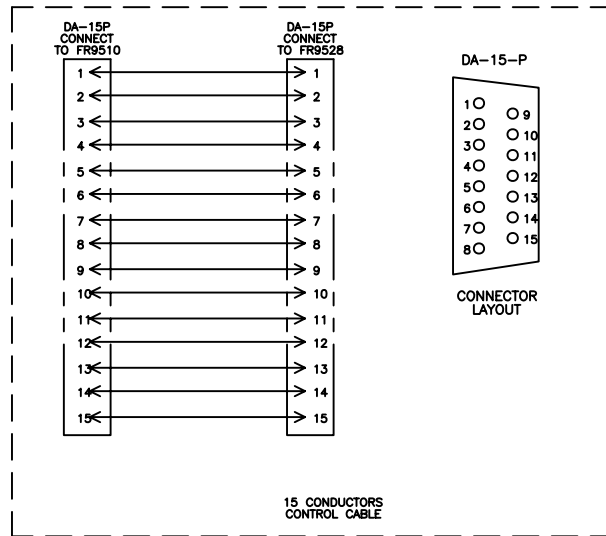
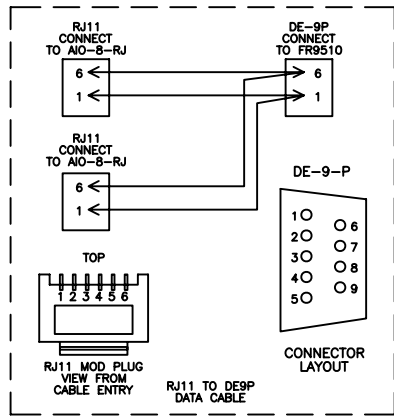


ASSEMBLY DETAILS



CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA		
APPROVALS	DATE	ADAM INTERCOM MATRIX RJ11 TO 50 PINS TELCO TRANSLATION CABLE		
DRAWN W. YAU	1 NOV 95			
CHECKED W. YAU	1 NOV 95			
ISSUED W. YAU	1 NOV 95			
ADAM804C		SIZE D	FSCM NO.	DWG NO. ADAM-804
SCALE		SHEET		

REVISIONS			
ZONE	REV	DESCRIPTION	DATE

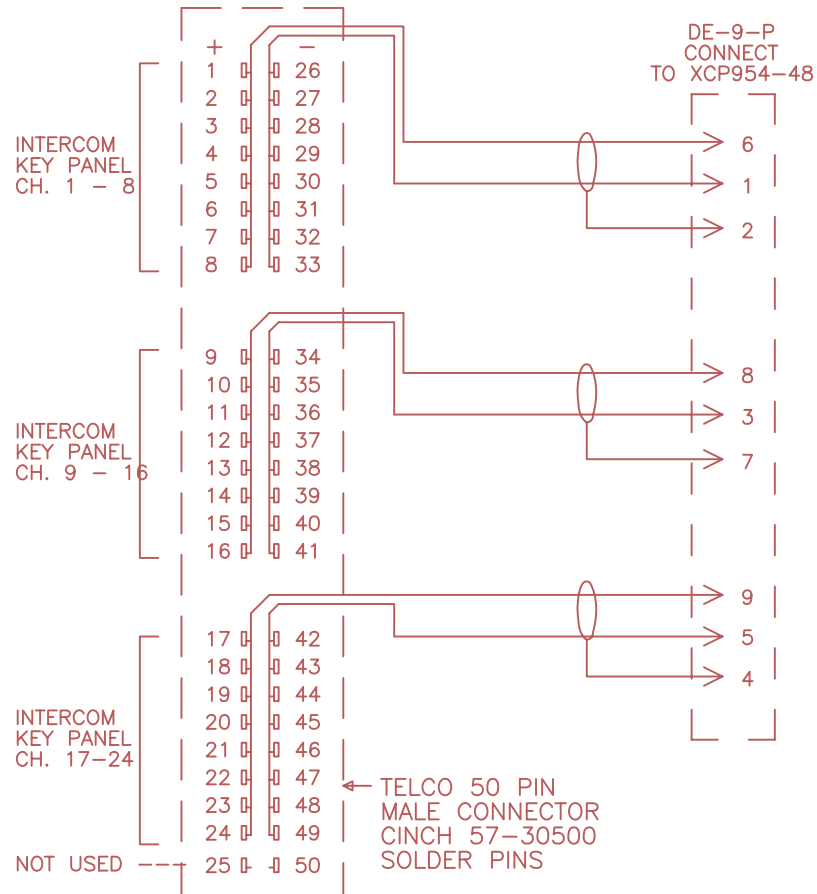


UNLESS OTHERWISE SPECIFIED MATERIALS SHALL BE OF THE BEST QUALITY AND SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE MATERIALS		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, U.S.A.	
APPROVALS		DATE		ADAM INTERCOM SYSTEM CONTROL CABLES WIRING DETAILS	
DRAWN W. YAU		24 MAY 85		REV A	
CHECKED W. YAU		24 MAY 85		Dwg No. ADAM804X	
ISSUED		D		SCALE	
ADAM-804		SHEET		SHEET	

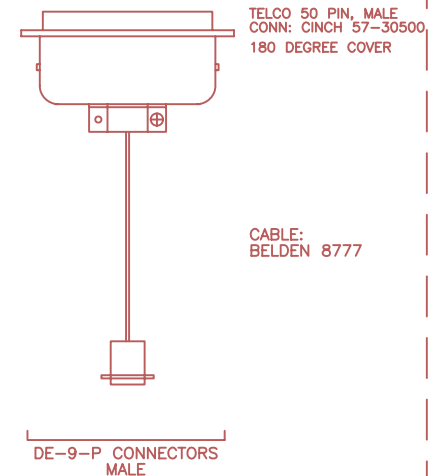
APPLICATION	NEXT ASSY	USED ON	FRSH
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		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED

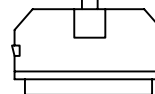
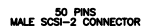
CABLE DETAILS



ASSEMBLY DETAILS



CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA		
APPROVALS	DATE	ADAM INTERCOM MATRIX DB9 TO 50 PINS TELCO TRANSLATION CABLE		
DRAWN W. YAU	14 FEB 98			
CHECKED W. YAU	14 FEB 98			
ISSUED W. YAU	14 FEB 98			
ADAM-805	SCALE	SIZE D	FSCM NO. ADAM-805	DWG NO. ADAM-805
		SHEET		REV B

SCSI-2 50 PIN
MALE CONNECTOR[illegible]



CABLE DETAILS FOR :

SCSI-2 68 PIN
MALE CONNECTOR

UNLESS OTHERWISE SPECIFIED			
REMOVE ALL BURRS & BREAK SHARP EDGES			
HOLE TOLERANCES PER ANSI B94.11-1967, R1972			
DIMENSIONS ARE IN INCHES			
TOLERANCES AND			
FRACTIONS	DECIMALS	ANGLES	
P1/16	.X P.080	P300	
	.XK P.030		
	.X00P.010		

CONTRACT NO.	
APPROVALS	DATE
DRAWN W. YAU	1 NOV 8

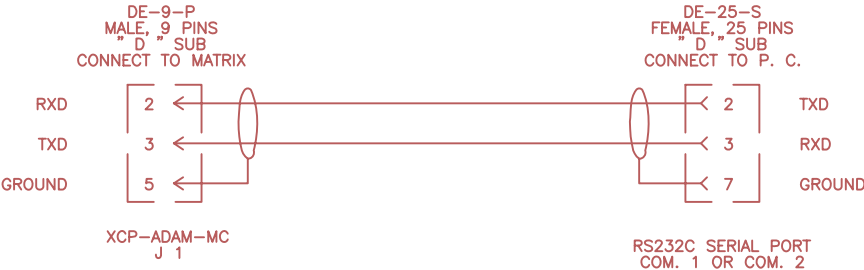
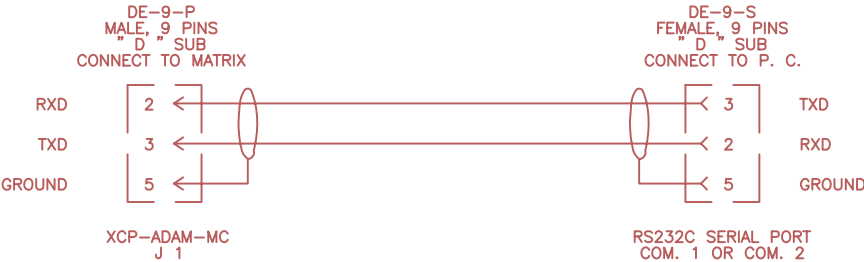
RTS SYSTEMS BURBANK, CALIFORNIA, USA

ADAM INTERCOM SYSTEM
MASTER CONTROLLER
68 PINS SCSI-2 CABLE

SIZE D	FSCM NO.	DWG NO. ADAM-806	REV C
SCALE			SHEET

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

CABLE DETAILS



UNLESS OTHERWISE SPECIFIED REWORK ALL SURF. & BRIST SHARP EDGES REF. DIMENSIONS ARE DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES PERCENT 1/16 .003125 .0005 .0005		CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA	
		APPROVALS	DATE		
		DRAWN W. YAU	1 NOV 96	ADAM INTERCOM SYSTEM ADAM MATRIX TO CREDIT PC RS-232-C CABLE	
		CHECKED W. YAU	1 NOV 96		
		ISSUED		SIZE D	FSCM NO.
				DWG NO. ADAM-807	REV C
APPLICATION		ADAM807C		SCALE	SHEET

RS-485
DE-9-P
MALE, 9 PINS
D SUB
CONNECT TO MATRIX
XCP-ADAM-MC J2



TELCO AMP CHAMP
MALE, 50 PINS
CONNECT TO TM9589
COMM. PORT RS485

See Table 1

See Drawing
ADAM-307

RS-232
DE-9-P
MALE, 9 PINS
D SUB
CONNECT TO MATRIX
XCP-ADAM-MC J2



TELCO AMP CHAMP
MALE, 50 PINS
CONNECT TO TM9589
COMM. PORT RS232C

See Table 2

Command Line Protocol
To CStrunk PC

This data not for use with ICP-97 translation panel.

Table 1
TM 9589
TRUNK MASTER CONTROLLER
COMMUNICATION PORTS
ASSIGNMENT TABLE
RS485 SERIAL

CONN.	PIN +	PIN -	GROUND	COMM	TYPE
J5	27	2	3	1	RS485
J5	30	5	28	2	RS485
J5	32	7	8	3	RS485
J5	35	10	33	4	RS485
J5	37	12	13	5	RS485
J5	40	15	38	6	RS485
J5	42	17	18	7	RS485
J5	45	20	43	8	RS485
J4	27	2	3	9	RS485
J4	30	5	28	10	RS485
J4	32	7	8	11	RS485
J4	35	10	33	12	RS485
J4	37	12	13	13	RS485
J4	40	15	38	14	RS485
J4	42	17	18	15	RS485
J4	45	20	43	16	RS485
J3	27	2	3	17	RS485
J3	30	5	28	18	RS485
J3	32	7	8	19	RS485
J3	35	10	33	20	RS485
J3	37	12	13	21	RS485
J3	40	15	38	22	RS485
J3	42	17	18	23	RS485
J3	45	20	43	24	RS485

Note:

1 -- J3, J4, J5 ARE AMP CHAMP 50 PIN FEMALE CONNECTORS ON TM9589

2 -- COMM. PORT 7, 8, 15, 16, 23, 24 ARE SELECTABLE FOR RS485 OR RS232C.

FACTORY DEFAULT SETTING : COMM. 7, 8, 15, 16 = RS485, COMM. 23, 24 = RS232C.

Table 2

TM 9589
TRUNK MASTER CONTROLLER
COMMUNICATION PORTS
ASSIGNMENT TABLE
RS232C SERIAL

CONN.	RX	TX	GROUND	COMM	TYPE
J5	46	21	22	7	RS232C
J5	48	23	48	8	RS232C
J4	46	21	22	15	RS232C
J4	48	23	48	16	RS232C
J3	46	21	22	23	RS232C
J3	48	23	48	24	RS232C

SEE
NOTE

*2

*2

*2

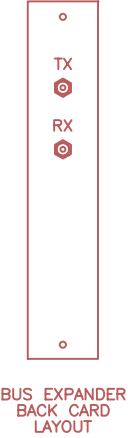
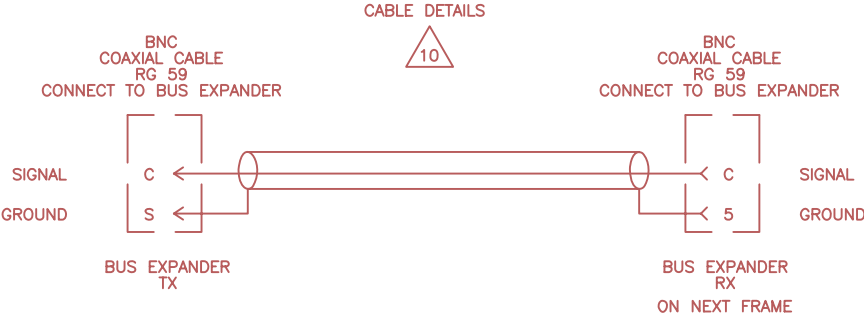
*2

*2

*2

RTS SYSTEMS 10000 WILSON AVENUE DALLAS, TEXAS 75243		DATE: _____ BY: _____ FOR: _____	
APPROVALS: _____ DATE: _____ BY: _____ FOR: _____		APPROVALS: _____ DATE: _____ BY: _____ FOR: _____	
NEXT ABBY: _____ USED ON: _____		ADAM808C SCALE: _____ SHEET: _____	

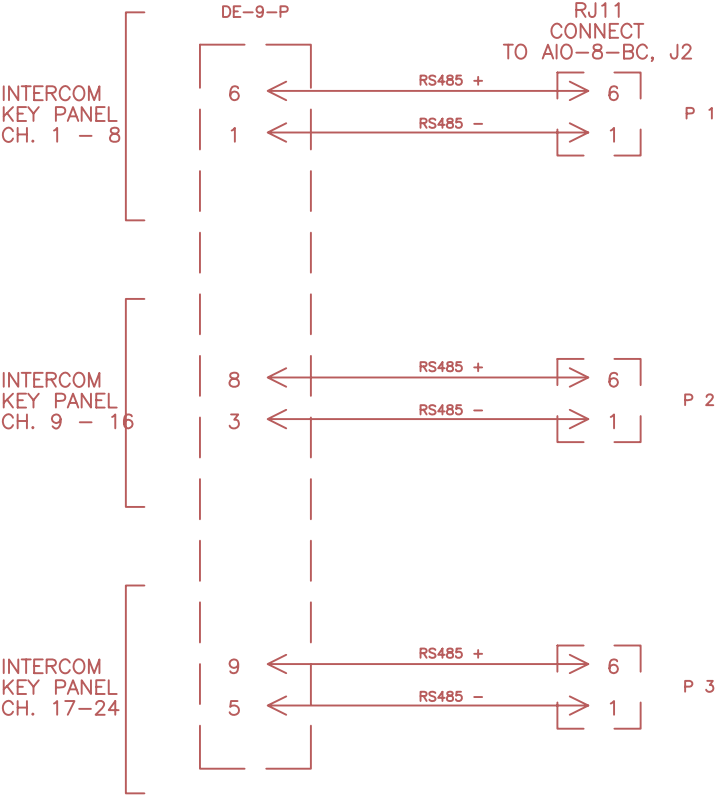
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



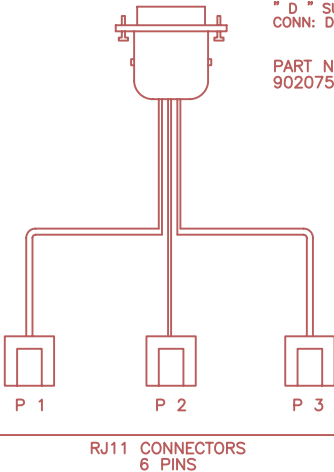
UNLESS OTHERWISE SPECIFIED REWORK ALL SURF. & BRIST. SHARP EDGES REF. DIMENSIONS: 1/8" DIM. DECIMALS: 1/16", 1/32", 1/64" TOLERANCES AND FINISHES: 1/16" DECIMALS 1/32" ANGLES F360 PT/10 J1 P.000 J2 P.000 J3 P.000 J4 P.010				CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA					
				APPROVALS		DATE		ADAM INTERCOM SYSTEM ADAM MATRIX BUS EXPANDER RG59 COAXIAL CABLE			
				DRAWN		W. YAU 1 NOV 96					
				CHECKED		W. YAU 1 NOV 96					
				NEXT ASSY		USED ON		ISSUED		SIZE	FSCM NO.
APPLICATION		FINISH		ADAM810C		D		ADAM-810	C		
						SCALE			SHEET		
									1		

ZONE		REVISIONS		
		REV	DESCRIPTION	DATE

CABLE DETAILS



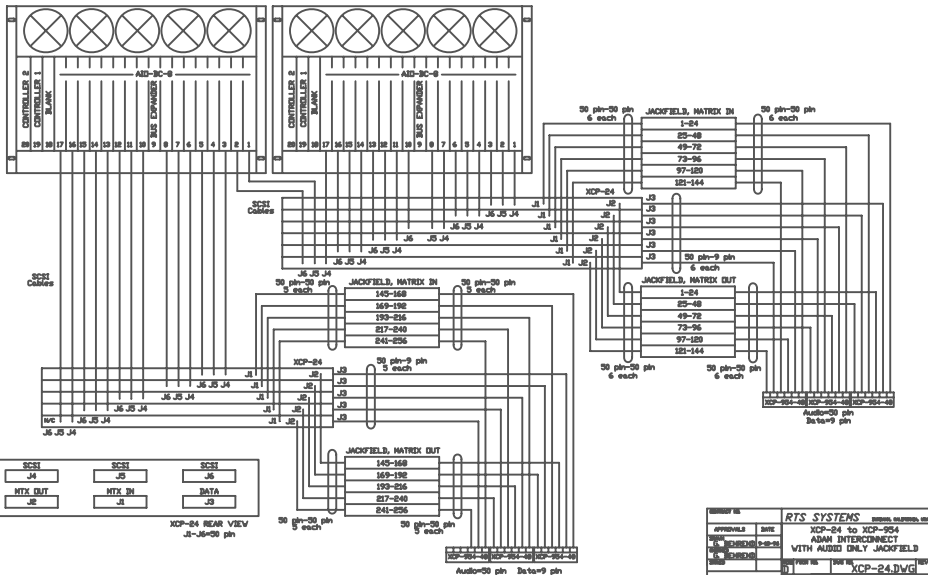
ASSEMBLY DETAILS



CONTRACT NO.		RTS SYSTEMS BURBANK, CALIFORNIA, USA			
APPROVALS	DATE	ADAM INTERCOM MATRIX RJ11 TO DE-9-P TRANSLATION CABLE			
DRAWN W. YAU	1 NOV 95				
CHECKED W. YAU	1 NOV 95				
ISSUED W. YAU	1 NOV 95				
ADAM811C		SIZE D	FSCM NO.	DWG NO. ADAM-811	REV C
SCALE		SHEET			

ADAM-REAR VIEW FRAME 2

ADAM-REAR VIEW FRAME 1



REVISION		DATE		BY	
APPROVALS	DATE	RTS SYSTEMS			
DESIGN	DATE	XCP-24 to XCP-954			
TEST	DATE	ADAM INTERCONNECT			
ASSEMBLY	DATE	WITH AUDIO ONLY JACKFIELD			
SHIP	DATE	XCP-24.DWG			
SCALE		SHEET NO.		SHEET	