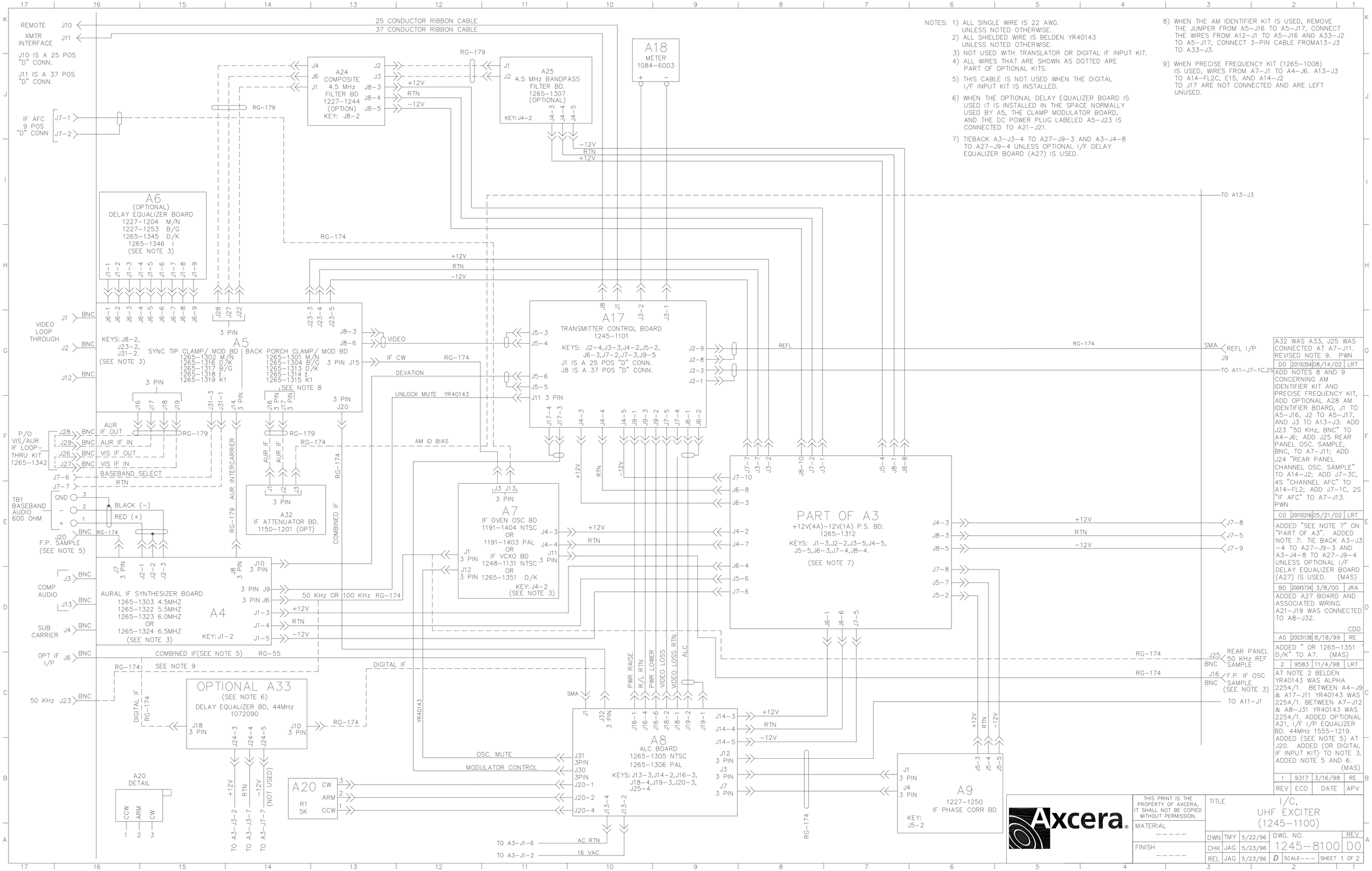


NOTES:
1) ALL SINGLE WIRE IS 22 AWG. UNLESS NOTED OTHERWISE.
2) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.
3) NOT USED WITH TRANSLATOR OR DIGITAL IF INPUT KIT.
4) ALL WIRES THAT ARE SHOWN AS DOTTED ARE PART OF OPTIONAL KITS.
5) THIS CABLE IS NOT USED WHEN THE DIGITAL I/F INPUT KIT IS INSTALLED.
6) WHEN THE OPTIONAL DELAY EQUALIZER BOARD IS USED IT IS INSTALLED IN THE SPACE NORMALLY USED BY A5, THE CLAMP MODULATOR BOARD, AND THE DC POWER PLUG LABELED A5-J23 IS CONNECTED TO A21-J21.
7) TIEBACK A3-J3-4 TO A27-J9-3 AND A3-J4-8 TO A27-J9-4 UNLESS OPTIONAL I/F DELAY EQUALIZER BOARD (A27) IS USED.
8) WHEN THE AM IDENTIFIER KIT IS USED, REMOVE THE JUMPER FROM A5-J16 TO A5-J17, CONNECT THE WIRES FROM A12-J1 TO A5-J16 AND A33-J2 TO A5-J17, CONNECT 3-PIN CABLE FROMA13-J3 TO A33-J3.
9) WHEN PRECISE FREQUENCY KIT (1265-1008) IS USED, WIRES FROM A7-J1 TO A4-J6. A13-J3 TO A14-FL2C, E15, AND A14-J2 TO J17 ARE NOT CONNECTED AND ARE LEFT UNUSED.

REV	ECO	DATE	APV
1	9317	3/16/98	RE

A32 WAS A33, J25 WAS CONNECTED AT A7-J11. REVISED NOTE 9. PWN

DO 20110354 08/14/02 LRT

ADD NOTES 8 AND 9 CONCERNING AM IDENTIFIER KIT AND PRECISE FREQUENCY KIT, ADD OPTIONAL A28 AM IDENTIFIER BOARD, J1 TO A5-J16, J2 TO A5-J17, AND J3 TO A13-J3: ADD J23 "50 KHz, BNC" TO A4-J6; ADD J25 REAR PANEL OSC. SAMPLE, BNC, TO A7-J11; ADD J24 "REAR PANEL CHANNEL OSC. SAMPLE" TO A14-J2; ADD J7-3C, 4S "CHANNEL AFC" TO A14-FL2; ADD J7-1C, 2S "IF AFC" TO A7-J13. PWN

CO 20110216 05/21/02 LRT

ADDED "SEE NOTE 7" ON "PART OF A3". ADDED NOTE 7: TIE BACK A3-J3-4 TO A27-J9-3 AND A3-J4-8 TO A27-J9-4 UNLESS OPTIONAL I/F DELAY EQUALIZER BOARD (A27) IS USED. (MAS)

BO 20045734 3/8/00 JRA

ADDED A27 BOARD AND ASSOCIATED WIRING. A21-J19 WAS CONNECTED TO A8-J32.

CDD

A0 20031138 8/18/99 RE

ADDED " OR 1265-1351 D/K" TO A7. (MAS)

2 9583 11/4/98 LRT

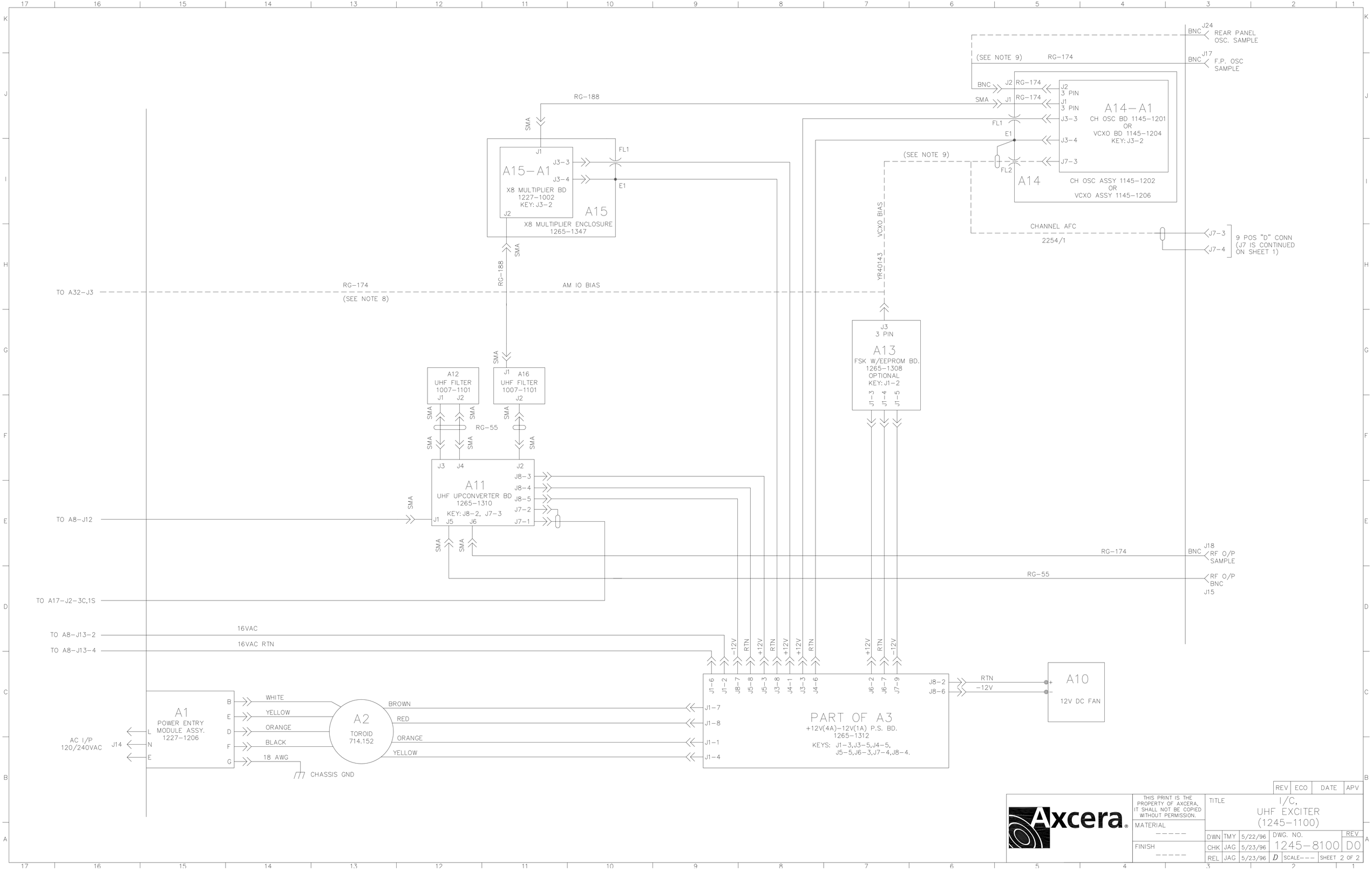
AT NOTE 2 BELDEN YR40143 WAS ALPHA 2254/1. BETWEEN A4-J9 & A17-J11 YR40143 WAS 2254/1. BETWEEN A7-J12 & A8-J31 YR40143 WAS 2254/1. ADDED OPTIONAL A21, I/F I/P EQUALIZER BD. 44MHz 1555-1219, ADDED (SEE NOTE 5) AT J20. ADDED (OR DIGITAL IF INPUT KIT) TO NOTE 3. ADDED NOTE 5 AND 6. (MAS)

MATERIAL ———

FINISH ———

TITLE I/C, UHF EXCITER (1245-1100)

DWN	TMY	5/22/96	DWG. NO. 1245-8100 REV D0
CHK	JAG	5/23/96	
REL	JAG	5/23/96	D SCALE--- SHEET 1 OF 2



REV	ECO	DATE	APV

Axcera

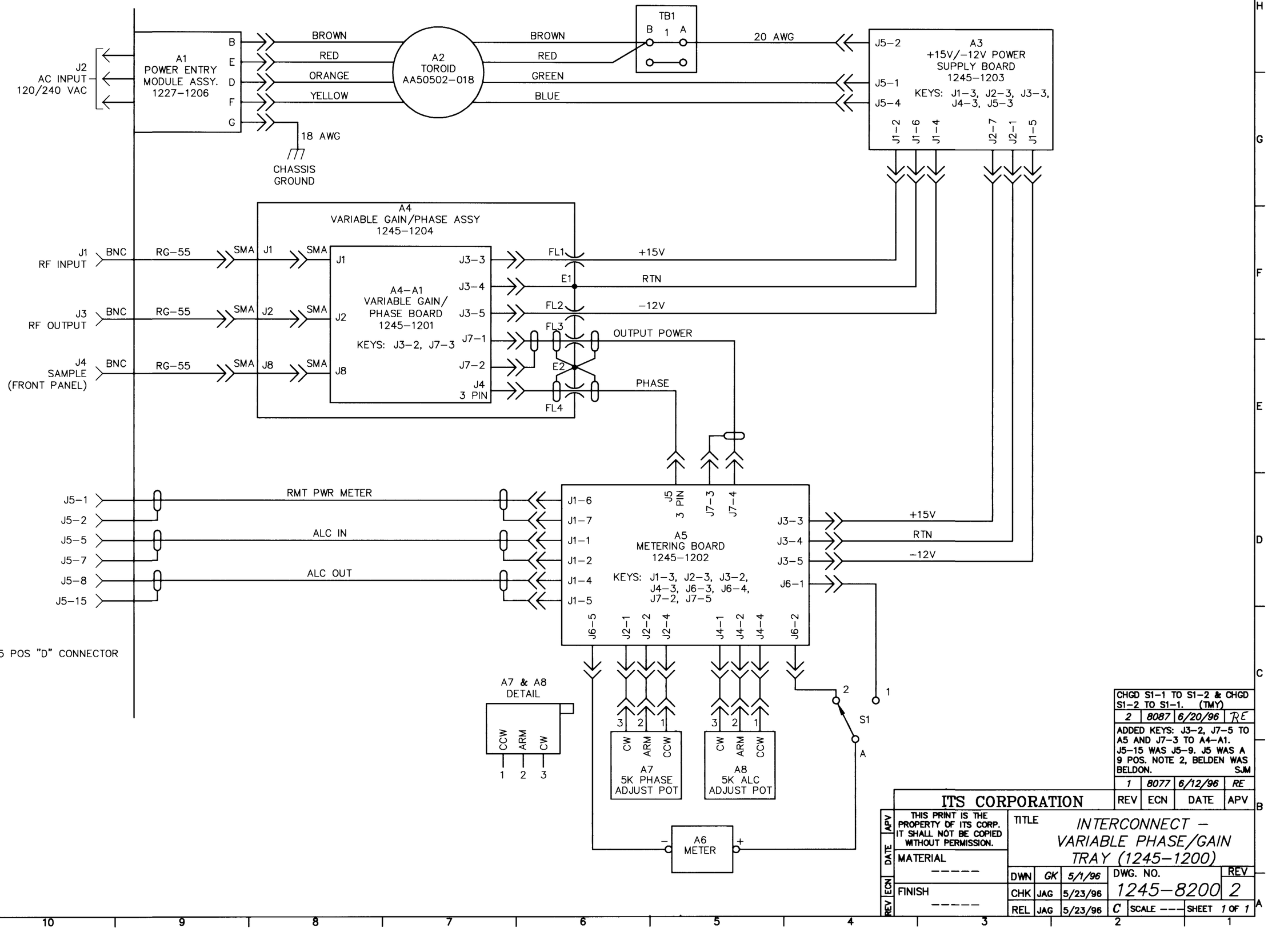
MATERIAL

FINISH

TITLE
I/C,
UHF EXCITER
(1245-1100)

DWN	TMY	5/22/96	DWG. NO.		REV
CHK	JAG	5/23/96	1245-8100		D0
REL	JAG	5/23/96	D	SCALE---	SHEET 2 OF 2

NOTES:
1) ALL SINGLE WIRE IS 22 AWG UNLESS NOTED OTHERWISE.
2) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.



REV	ECN	DATE	APV
2	8087	6/20/96	RE
ADDED KEYS: J3-2, J7-5 TO A5 AND J7-3 TO A4-A1. J5-15 WAS J5-9. J5 WAS A 9 POS. NOTE 2, BELDEN WAS BELDON.			SJM
1	8077	6/12/96	RE
CHGD S1-1 TO S1-2 & CHGD S1-2 TO S1-1. (TMY)			

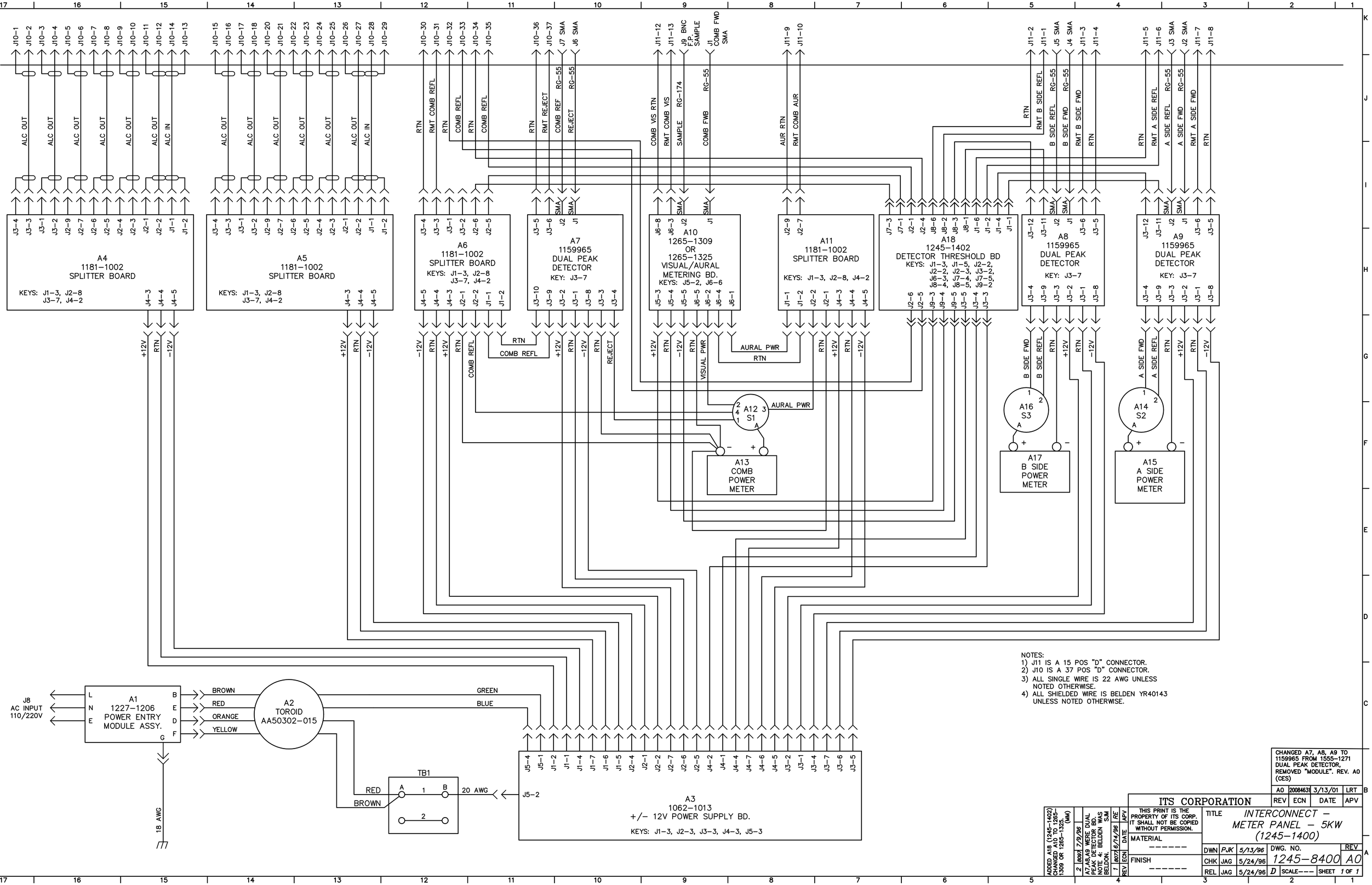
ITS CORPORATION

MATERIAL: ------

FINISH: ------

TITLE: *INTERCONNECT – VARIABLE PHASE/GAIN TRAY (1245-1200)*

DWN	GK	5/1/96	DWG. NO. 1245-8200 REV 2
CHK	JAG	5/23/96	
REL	JAG	5/23/96	C SCALE --- SHEET 1 OF 1



NOTES:
1) J11 IS A 15 POS "D" CONNECTOR.
2) J10 IS A 37 POS "D" CONNECTOR.
3) ALL SINGLE WIRE IS 22 AWG UNLESS NOTED OTHERWISE.
4) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.

CHANGED A7, A8, A9 TO 1159965 FROM 1555–1271 DUAL PEAK DETECTOR, REMOVED "MODULE". REV. A0 (CES)

REV	ECN	DATE	APV
A0	20084631	3/13/01	LRT

ADDED A18 (1245–1402) CHANGED A10 TO 1265–1309 OR 1265–1325. (MM) — 2 — 8093 — 7/9/96

A7,A8,A9 WERE DUAL PEAK DETECTOR BD. NOTE 4: BELDEN WAS BELDON. — 1 — 8071 — 6/14/96 — RE

ITS CORPORATION

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MATERIAL: ------

FINISH: ------

TITLE: *INTERCONNECT – METER PANEL – 5KW (1245–1400)*

DWN	PJK	5/13/96	DWG. NO. 1245–8400 REV A0
CHK	JAG	5/24/96	
REL	JAG	5/24/96	D SCALE--- SHEET 1 OF 1

AC INPUT
208/240 VAC

LINE 1 | GND | LINE 2

TB1

A
1
B
4

J8-L J8-N J8-E J7-L J7-N J7-E J6-L J6-N J6-E J5-L J5-N J5-E

A2
IEC OUTLET STRIP
44R02-4111-250

L N E

J4-L J4-N J4-E J3-L J3-N J3-E J2-L J2-N J2-E J1-L J1-N J1-E

A1
IEC OUTLET STRIP
44R02-4111-250

L N E

TOP

1 3
2 4

REAR VIEW
OF CB1

CB1
20A

1 2
3 4

VR1
250V
1 2

VR2
250V
1 2

SEE NOTE 2

VR3
250V
1 2

CHASSIS GND

NOTES:

1) ALL WIRE IS 12 AWG UNLESS NOTED OTHERWISE.
2) VR2 REQUIRES A MOV INSULATOR KIT.
3) LINE 2 IS THE NEUTRAL FOR INTERNATIONAL SYSTEMS USING 220 VAC HOT AND NEUTRAL.

REV	ECN	DATE	APV
1	9250	12/31/97	RE

CHANGED 44R02-4111-150
TO 44R02-4111-250. (RFB)

ITS CORPORATION

MATERIAL ---

FINISH ---

TITLE: AC DISTRIBUTION ASSY, EXC. CAB. (1245-1500)

			DWG. NO.	REV
DWN	TMY	5/28/96	1245-8500	1
CHK	RE	5/28/96		
REL	RE	5/29/96	C SCALE 1=1	SHEET 1 OF 1

Wed Dec 31 10:07:08 1997

"F" BULKHEAD J5 75 OHM I/P

J1 50 OHM I/P

J6 BNC *

120/240 VAC INPUT (SEE NOTE 4)

J2-L J2-N J2-E

"F" CONN.

"N" CONN.

OSC. SAMPLE RG-174

A1
POWER ENTRY MODULE ASSY.
1265-1104

C WHITE
E YELLOW
D ORANGE
F BLACK
G 18 AWG

CHASSIS GND

A2
TOROID
710.152

BROWN
RED
ORANGE
YELLOW

18 AWG

CHASSIS BOLT

A3
±12V (3A) POWER SUPPLY BOARD.
1092-1206

KEYS: J1-9, J2-7, J3-7, J5-2

J1-7
J1-8
J1-3
J1-4
J1-10

J4-9 J4-2

12V RTN
+12V

J3-1 +12V
J5-1 RTN
J5-6 -12V
J3-2 +12V
J5-3 RTN
J5-7 -12V
J3-3 +12V
J5-4 RTN

J2-1 J2-8 J3-4 J2-9 J4-1 J4-8 J2-3 J3-8 J2-4 J3-9 J2-2 J5-5

+12V
RTN
RG-174 AFC VOLTAGE

A4
CH. OSC. ASSY
1145-1202 OR
VCXO ASSY
1145-1206

FL1 FL2 E1

J2 BNC
J1 SMA

RG-188

A5-A1
MULT. BD.
X8, 1227-1002
X2, 1227-1524
X4, 1227-1525

J3-3 J3-4

A5
MULT. ENCLOSURE
1265-1125

A6
L.O. FILTER
UHF 1007-1101
L.B. VHF 1034-1211
H.B. VHF 2065-1000

RG-188

DS1
R1 1K
TB1

F1 1 AMP

RG-59
RG-55

+12V
RTN
+12V
RTN

75 OHM 2W

A7
50 OHM FILTER,
DC MULTIPLEXED
UHF 1035-1204
L.B. VHF 1035-1902
H.B. VHF 2065-1024

SO1

UT141

A8-A1
DUAL STAGE AMPL. BD.
1227-1501

A8
DUAL STAGE AMPL. ASSY
1227-1503

A8
SMA BARREL
SEE NOTE 6

A9
CHANNEL FILTER
UHF 1007-1101
L.B. VHF 1034-1202
H.B VHF 2065-1000

A10-A1
DOWNCONVERTER AMPLIFIER BD.
1227-1502 (45.75 MHz)
1227-1506 (38.9 MHz)

A10
1227-1505 D/C ASSY 45.75 MHz
1227-1507 D/C ASSY 38.9 MHz

"F" CONN.

A7
75 OHM FILTER
DC MULTIPLEXED
UHF 1035-1207
L.B. VHF 1035-1903
H.B. VHF 2065-1023
(USE IN PLACE OF A7)

* LOCATED ON THE FRONT PANEL

J4 BNC *
J7 BNC *

IF O/P RG-55
IF SAMPLE RG-55

ALC VOLTAGE YR40143

FL1 E1 FL2 FL3

YR40143

A11-A1
IF FILTER/ALC BD.
1227-1504 OR 1227-1508

KEYS: J3-2

J3-3
J3-4
J3-5
J4 3 PIN

J2 3 PIN
J7 3 PIN
J5 3 PIN
J6 3 PIN
J1 3 PIN
J8 3 PIN

RG-174
SEE NOTE 5

A11-A2
(OPTIONAL)
SAW FILTER/AMPL. BD.
1035-1211, 1165-1022,
1165-1023, 1165-1024
OR 1165-1025
KEY: J3-2

J1 3 PIN
J2 3 PIN
J3-3 J3-4

A11
IF FILTER/ALC ENCLOSURE
1265-1105

SMA

IF RG-174

A13
(OPTIONAL)
IF FILTER/LIMITER BD.
1109-1001 (45.75 MHz KIT)
1227-1509 (38.9 MHz KIT)

KEYS: J1-2

J1-3 J1-4 J2 3 PIN
J6 3 PIN

A16
(OPTIONAL)
IF AMPL BD
1197-1126
KEY: J3-2

J1 3 PIN
J2 3 PIN

PART OF
FREQUENCY CORRECTOR KIT, 45.75 MHz (1227-1528)
OR
FREQUENCY CORRECTOR KIT, 38.9 MHz (1227-1529)

IF CW RG-174

A14
(OPTIONAL)
IF PLL BOARD
1109-1002 (45.75 MHz KIT)
1227-1510 (38.9 MHz KIT)

KEYS: J1-2, J5-2

J1-5 J1-4 J1-3 J2 3 PIN
J3 3 PIN
J4 3 PIN

50 KHz REF RG-174

A15
(OPTIONAL)
IF CARRIER OSC. BD.
1100-1206 (45.75 MHz KIT)
1100-1205 (38.9 MHz KIT)
KEYS: J4-2

J5 3 PIN
J4-4 J4-3

12V RTN
+12V

NOTES:
1) ALL WIRE IS 22 AWG UNLESS NOTED OTHERWISE.
2) J3 IS A 15 POS "D" CONN.
3) DS1 MOUNTED ON REAR CHASSIS PANEL.
4) SET THE POWER ENTRY MODULE TO THE CORRECT LINE VOLTAGE BEFORE APPLYING POWER. DO NOT USE 100V OR 230V POSITIONS..
5) WHEN A11-A2 OPTIONAL SAW FILTER/AMPL BD IS NOT USED CONNECT CABLES TOGETHER USING 3 PIN TO 3 PIN ADAPTER 1007-1017.
6) FOR LOW RECEIVER INPUT LEVELS, THE A8 BARREL SHOULD BE REMOVED AND THE COAX CABLES SHOULD BE CONNECTED TO THE A8 MODULE.

1100-1206 OF A15 WAS 38.9 MHZ, 1100-1205 OF A15 WAS 45.75 MHZ. A5 WAS 1227-1526. ADDED OPTIONAL TO A16. WIRE @ J1 WAS RG-58. WIRES @ A8-J1, -J2, -J3, & -J4 WERE RG-188. (GK)

REV	ECO	DATE	APV
1	8007	3/26/96	RE

REV	ECO	DATE	APV
A0	20007	3/17/01	LRT
4	9041	7/10/97	RE
3	8663	11/29/96	JAG
2	8074	6/3/96	JAG

A8 WAS VARIABLE GAIN AMP ASSY UHF 1265-1102, VHF 1265-1108. A8-A1 WAS VARIABLE GAIN AMP UHF 1265-1126, VHF 1265-1127. ADDED WIRING TO A1 CHGD WIRING TO A11 FL3. ADDED NOTE 6. UPDATED TITLE BLOCK. (PJK)

WIRE FROM A8-A1-J1 TO 75 OHM FILTER WAS RG-55. S/M

A9 & A6 HB VHF WERE 1005-1208. A7 50 OHM HB VHF WAS 1035-1205 WAS VHF 1035-1602. A8 VHF WAS LB 1285-1108 & HB 1285-1109. A8-A1 WAS UHF 1285-1113, LB & HB VHF 1265-1114. A9-J1 WENT TO A8-A1-J2. A9-J2 WENT TO A8-A1-J3. A8-A1-J4 WENT TO A10-A1-J1. (GK)

ADDED WIRE FROM A3-J5-7 TO A11-J5. (5 PLCS). A8-A1-J5-5, UT141 WAS RG-55 (5 PLCS). YR40143 WAS 2254/1 (3 PLCS). S/M

DATE	APV
3/5/97	LRT
7/10/97	RE
11/29/96	JAG
6/3/96	JAG

ADC

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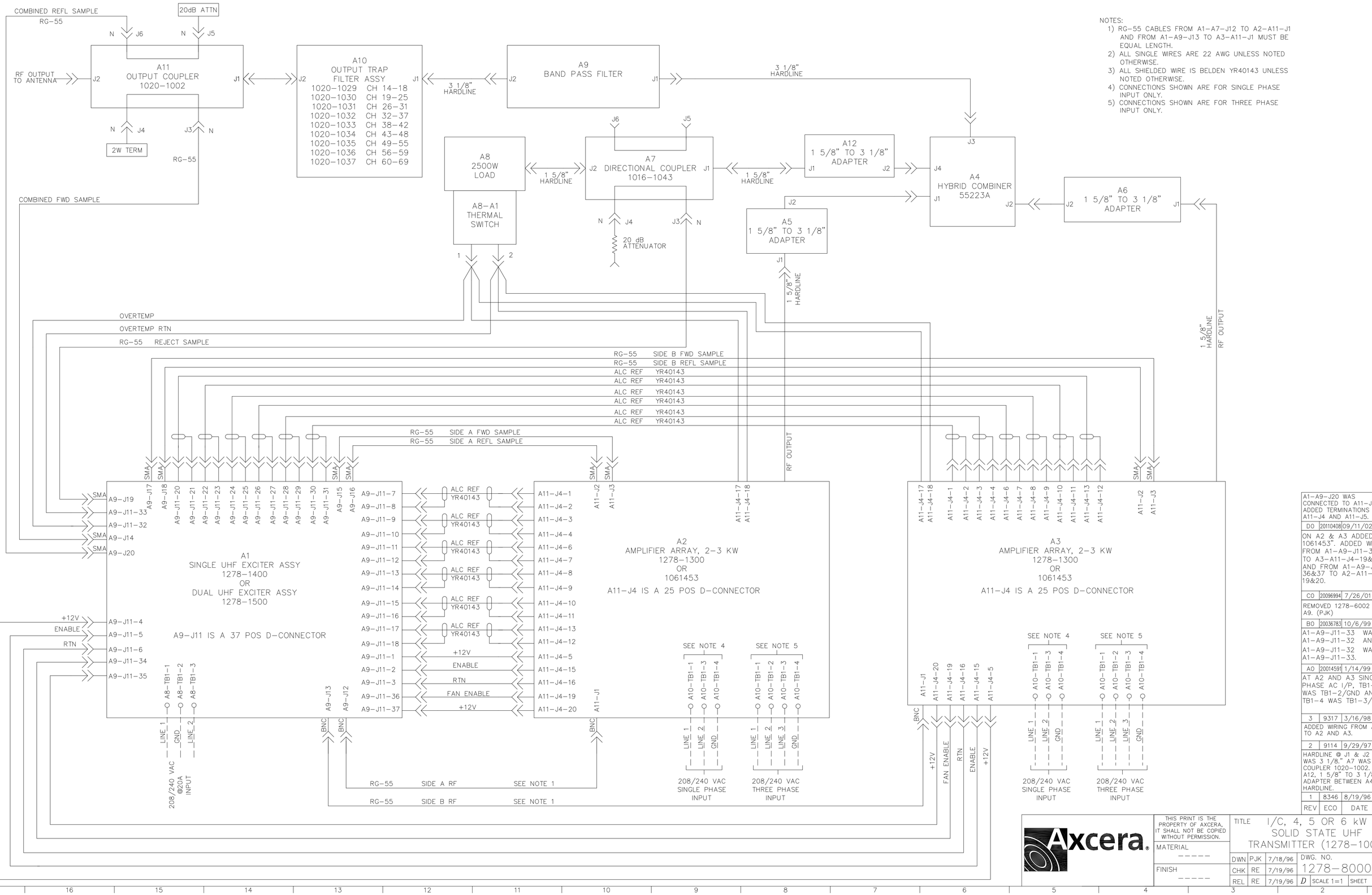
MATERIAL ---

TITLE: C, RECEIVER TRAY, UHF, VHF W/FREQ. CORR OPTION (1265-1100)

DWN	S/M	2/20/96	
CHK	RE	2/26/96	
REL	RE	2/29/96	

DWG. NO. 1265-8100 REV A0

D SCALE--- SHEET 1 OF 1



REV	ECO	DATE	APV
1	8346	8/19/96	RE
ADDED WIRING FROM A8-A1 TO A2 AND A3. (SAK)			
2	9114	9/29/97	LRT
HARDLINE @ J1 & J2 OF A7 WAS 3 1/8." A7 WAS O/P COUPLER 1020-1002. ADDED A12, 1 5/8" TO 3 1/8" ADAPTER BETWEEN A4-J4 & HARDLINE. (GK)			
3	9317	3/16/98	RE
ADDED WIRING FROM A8-A1 TO A2 AND A3. (SAK)			
A0	20014591	1/14/99	RE
AT A2 AND A3 SINGLE PHASE AC I/P, TB1-3 WAS TB1-2/GND AND TB1-4 WAS TB1-3/LINE 2. (MAS)			
BO	20036783	10/6/99	JRA
A1-A9-J11-33 WAS A1-A9-J11-32 AND A1-A9-J11-32 WAS A1-A9-J11-33. (SAK)			
REMOVED 1278-6002 FROM A9. (PJK)			
CO	20096994	7/26/01	LRT
ON A2 & A3 ADDED "OR 1061453". ADDED WIRES FROM A1-A9-J11-34&35 TO A3-A11-J4-19&20 AND FROM A1-A9-J11-36&37 TO A2-A11-J4-19&20. CDD			
DO	20110408	09/11/02	RE
A1-A9-J20 WAS CONNECTED TO A11-J4. ADDED TERMINATIONS AT A11-J4 AND A11-J5. PWN			

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MATERIAL

FINISH

TITLE I/C, 4, 5 OR 6 kW SOLID STATE UHF TRANSMITTER (1278-1000)

DWN	PJK	7/18/96	DWG. NO. 1278-8000 REV D0
CHK	RE	7/19/96	
REL	RE	7/19/96	D SCALE 1=1 SHEET 1 OF 1

AC INPUT
208/240
3 PHASE

TB1

6 AWG

SAFETY GND

CHASSIS GND #1

LINE 1
LINE 2
LINE 3

CB1
55A

BUS 3
BUS 2
BUS 1

6 AWG

18 AWG

CB8
3A

CB9
3A

14 AWG

VR3
VR2
VR1
VR6
VR5
VR4

SEE NOTE 5

CHASSIS GND #2

20A
CB6
CB5
CB3
CB2
CB7
CB4

SEE NOTE 5

TOP
CB2–CB7

TOP
CB1

NOTES:
1) ALL WIRE IS 12 AWG UNLESS OTHERWISE NOTED.
2) VR1, VR2 & VR3 ARE MOUNTED ON BUS 1, BUS 2 AND BUS 3 RESPECTIVELY.
3) VR4, VR5 AND VR6 ARE MOUNTED ON THE CHASSIS.
4) VR1–VR6 ARE 250 VAC., 130W
5) CB6, CB7, J5, J6 AND ASSOCIATED WIRING ARE NOT PART OF THIS ASSEMBLY BUT ARE PART OF AMPL ARRAY POWER LEVEL KITS 1278–1304 OR 1278–1306.

REV	ECN	DATE	APV
3	9331	2/10/98	LRT
2	9110	9/26/97	LRT
1	8703	12/13/96	RE

ADDED 6 AWG WIRE AT CB1–2, –4 & –6. MOVED CB8 & CB9 TO ELIMINATE 4 WAY CONN. AT VR3 & VR4. SECONDARY OF CB1 WAS CONNECTED TO BUS BAR. (MAS)

ADDED CB8 & CB9 AS SHOWN USING 18 AWG WIRE. (MAS)

CB1 WAS 90A. 6 AWG TO TB1 WAS 2 AWG. (PJK)

ITS CORPORATION

MATERIAL ———

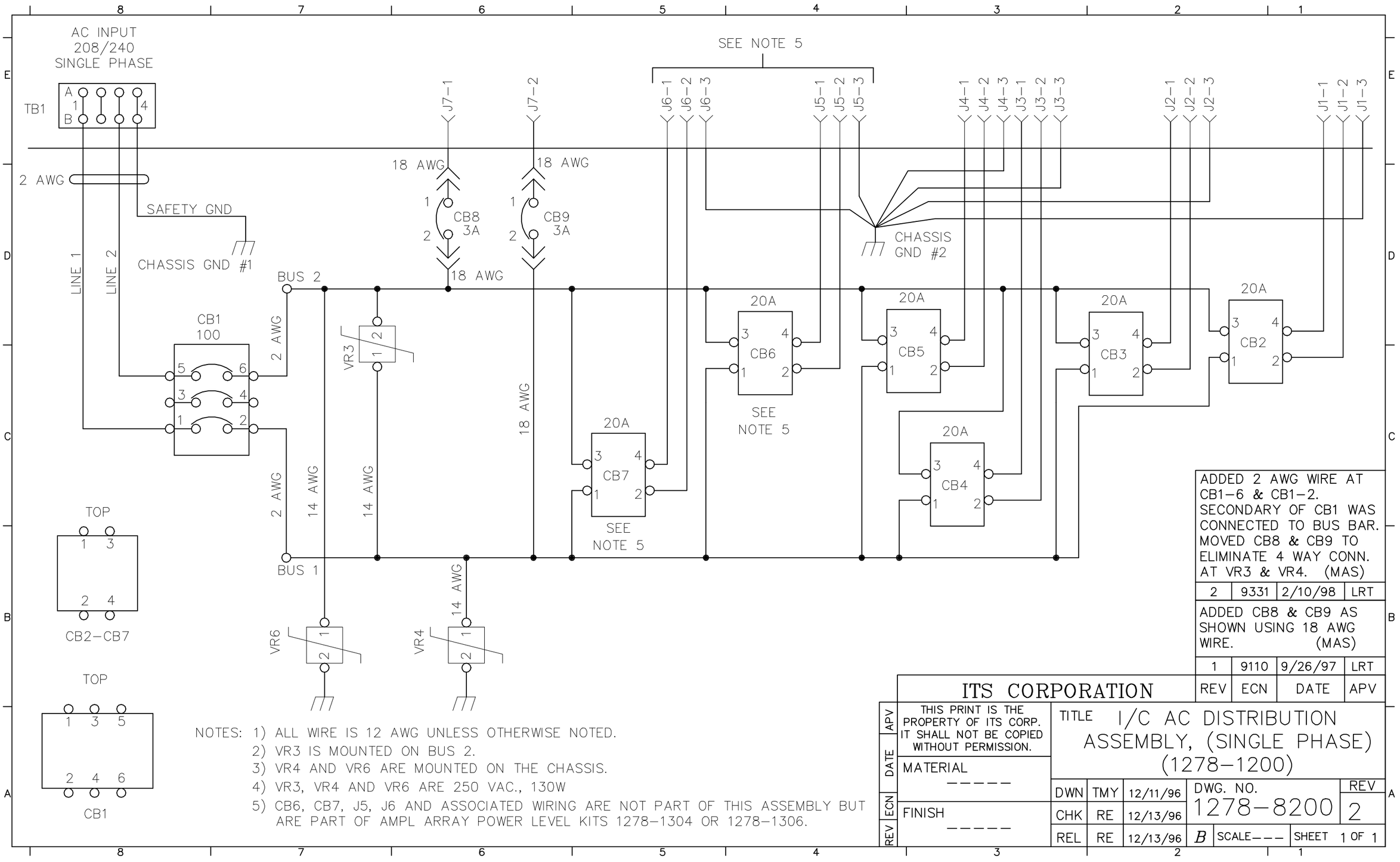
FINISH ———

TITLE I/C AC DISTRIBUTION ASSEMBLY, (3 PHASE) (1278–1100)

DWN	MM	7/8/96
CHK	RE	7/9/96
REL	RE	7/9/96

DWG. NO. 1278–8100 REV 3

B SCALE——— SHEET 1 OF 1



REV	ECN	DATE	APV
2	9331	2/10/98	LRT

ADDED 2 AWG WIRE AT CB1–6 & CB1–2. SECONDARY OF CB1 WAS CONNECTED TO BUS BAR. MOVED CB8 & CB9 TO ELIMINATE 4 WAY CONN. AT VR3 & VR4. (MAS)

REV	ECN	DATE	APV
1	9110	9/26/97	LRT

ADDED CB8 & CB9 AS SHOWN USING 18 AWG WIRE. (MAS)

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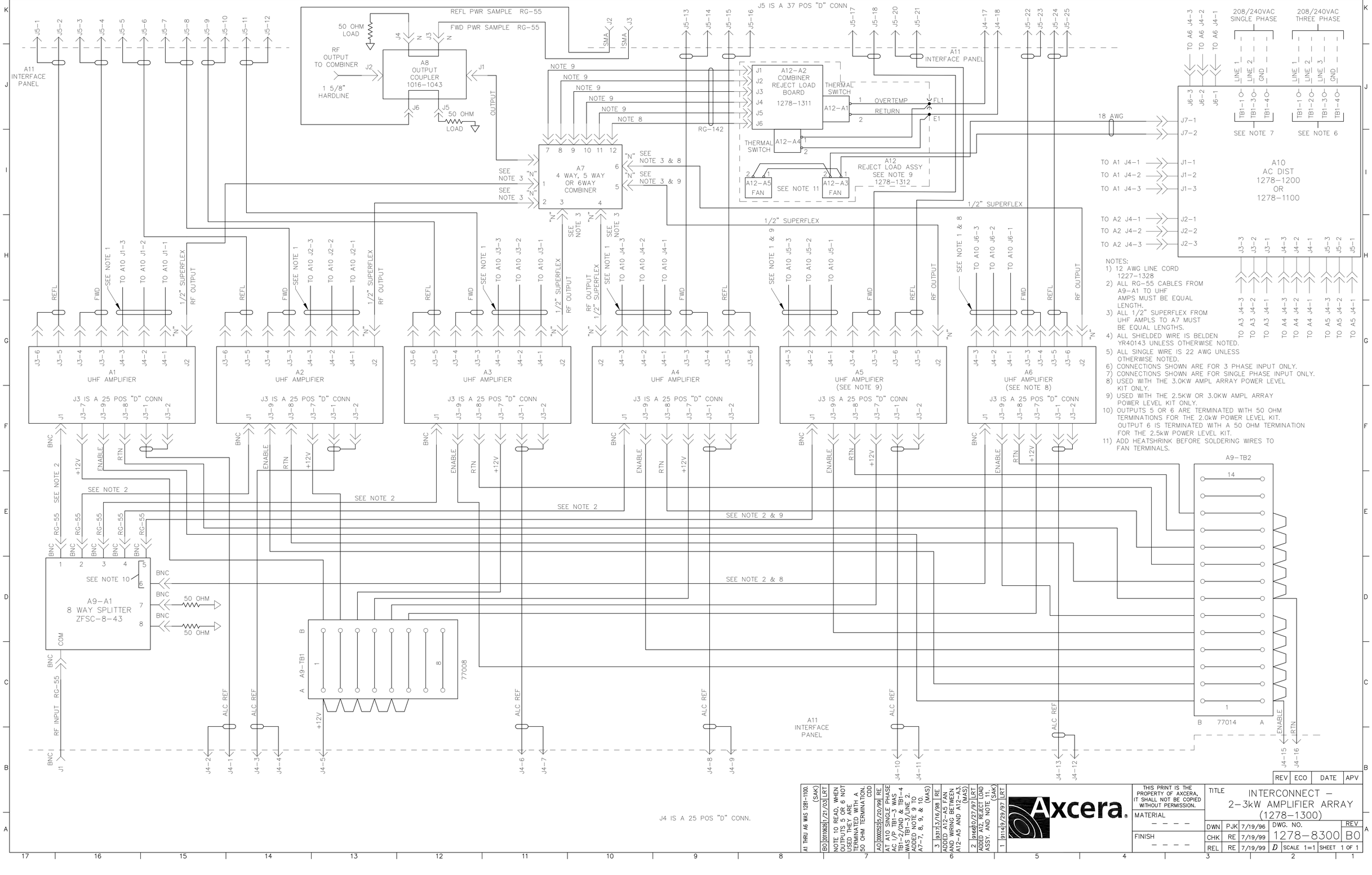
MATERIAL ––––––

FINISH ––––––

TITLE I/C AC DISTRIBUTION ASSEMBLY, (SINGLE PHASE) (1278–1200)

			DWG. NO.	REV
DWN	TMY	12/11/96	1278–8200	2
CHK	RE	12/13/96		
REL	RE	12/13/96	B SCALE–––	SHEET 1 OF 1



NOTES:
1) 12 AWG LINE CORD 1227-1328
2) ALL RG-55 CABLES FROM A9-A1 TO UHF AMPS MUST BE EQUAL LENGTH.
3) ALL 1/2" SUPERFLEX FROM UHF AMPLS TO A7 MUST BE EQUAL LENGTHS.
4) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS OTHERWISE NOTED.
5) ALL SINGLE WIRE IS 22 AWG UNLESS OTHERWISE NOTED.
6) CONNECTIONS SHOWN ARE FOR 3 PHASE INPUT ONLY.
7) CONNECTIONS SHOWN ARE FOR SINGLE PHASE INPUT ONLY.
8) USED WITH THE 3.0KW AMPL ARRAY POWER LEVEL KIT ONLY.
9) USED WITH THE 2.5KW OR 3.0KW AMPL ARRAY POWER LEVEL KIT ONLY.
10) OUTPUTS 5 OR 6 ARE TERMINATED WITH 50 OHM TERMINATIONS FOR THE 2.0kW POWER LEVEL KIT. OUTPUT 6 IS TERMINATED WITH A 50 OHM TERMINATION FOR THE 2.5kW POWER LEVEL KIT.
11) ADD HEATSHRINK BEFORE SOLDERING WIRES TO FAN TERMINALS.

REV	ECO	DATE	APV
A1	THRU A6 WAS 1281-1100. (SAK)		
B0	20111026	1/21/03	LRT
	NOTE 10 READ. WHEN OUTPUTS 5 OR 6 NOT USED THEY ARE TERMINATED WITH A 50 OHM TERMINATION. CDD		
A0	20002535	1/20/99	RE
	AT A10 SINGLE PHASE AC I/P TB1-3 WAS TB1-2(GND & TB1-4 WAS TB1-3 SAK 1/5/99		
	ADDED NOTE 10 TO 2. A7-7, 8, 9, & 10. (MAS)		
3	19317	3/16/98	RE
	ADDED A12-A5 FAN AND WIRING BETWEEN A12-A5 AND A12-A3. (MAS)		
2	19168	10/27/97	LRT
	ADDED A12, REJECT LOAD ASSY. AND NOTE 11		
1	19114	9/29/97	LRT

Axcera

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MATERIAL — — — —

FINISH — — — —

TITLE: INTERCONNECT — 2-3kW AMPLIFIER ARRAY (1278-1300)

DWN	PJK	7/19/96	DWG. NO. 1278-8300 REV B0
CHK	RE	7/19/99	
REL	RE	7/19/99	D SCALE 1=1 SHEET 1 OF 1

208/240 @ 20A
AC INPUT

LINE 1 | SAFETY GND | LINE 2

TB1-1 TB1-2 TB1-3 TB1-4

A8
AC DIST. ASSY. EXCITER
1245-1500

IEC OUTLETS

J1 J2 J3 J4 J5 J6 J7 J8

TO A1-J14
TO A25-J2
TO A26-J1
TO A4-J2
TO A5-J2
TO A6-J8
TO A7-J2

AC LINE CORDS TO ALL TRAYS

P/O A9
REMOTE INTERFACE ASSY.
1245-1801

J9-1 OPER IND
J9-2 RTN
J9-3 STANNDBY IND
J9-4 PWR LOWER
J9-5 RTN
J9-6 PWR RAISE
J9-7 VIDEO LOSS
J9-8 RTN

J9-26 EXCITER METERING
J9-27

J11-1 +12V
J11-2 ENABLE
J11-3 RTN
J11-4 +12V
J11-5 ENABLE
J11-6 RTN
J11-34 FAN ENABLE
J11-35 +12V
J11-36 FAN ENABLE
J11-37 +12V

BNC J12 J10-1 J10-2
SEE NOTE 4 RG-55
IEC CONN. TO A8-J4
SIDE A DRIVER RF
DRIVER O/P PWR.

BNC J13 J10-3 J10-4
SEE NOTE 4 RG-55
IEC CONN. TO A8-J5
SIDE B DRIVER RF
DRIVER O/P PWR

J10-6 COMB. AUR. PWR
J10-5
J10-8 COMB. VIS. PWR
J10-7
J10-10 COMB. REFL
J10-9
J11-7 ALC REF.
J11-8
J11-9 ALC REF.
J10-11
J11-10 ALC REF.
J11-11
J11-12 ALC REF.
J11-13
J11-14 ALC REF.
J11-15
J11-16 ALC REF.
J11-17
J11-18 ALC REF.
J11-20
J11-21 ALC REF.
J11-22
J11-23 ALC REF.
J11-24
J11-25 ALC REF.
J11-26
J11-27 ALC REF.
J11-28
J11-29 ALC REF.
J11-30
J11-31 REJECT PWR
J10-11
J10-12 SIDE A FWD.
J10-14
J10-15 SIDE A REFL.
J10-16
J10-17 SIDE B REFL.
J10-18
J10-19 SIDE B FWD.
J10-20
J10-21

A3
SPLITTER
ZFSC-2-2SMA

1 SMA
2 SMA
S SMA

RF O/P #2 RG-55 BNC
SEE NOTE 3

ALC REF.

RG-55

A4
PHASE/GAIN
TRAY
1245-1200

J1
J2 J3
J5-1 J5-2
J5-7
J5-5
J5-8 J5-15

J5 IS A15 POS "D" CONN.

A5
PHASE/GAIN
TRAY
1245-1200

J2 J3
J5-1 J5-2
J1 J5-5 J5-7 J5-8 J5-15

J5 IS A15 POS "D" CONN.

BNC

RF O/P #1 RG-55 SEE NOTE 3

ALC REF.

ALC REF.

ALC REF.

A6
METERING PANEL
1136811
OR
1136812

J10 IS A 37 POS "D" CONN.
J11 IS A 15 POS "D" CONN.

J11-9 J11-10 J11-12 J11-13 J10-30 J10-31 J10-12 J10-11 J10-9 J10-8 J10-7 J10-6 J10-5 J10-4 J10-3 J10-2 J10-1 J10-27 J10-26 J10-25 J10-24 J10-23 J10-22 J10-21 J10-20 J10-18 J10-17 J10-16 J10-15 J10-37 J10-36 J11-7 J11-8 J11-6 J11-5 J11-1 J11-2 J11-3 J11-4

J10-28 J10-29 J10-14 J10-13 J10-33 J10-32

J8 IEC CONN TO A8-J6

J1 J2 J3 J4 J5 J6 J7 SMA

RG-174 PWR.

IEC CONN TO A8-J3

A26
10 MHz REFERENCE TRAY
(OPTIONAL)

BNC

COMBINED REFL. PWR.

A7
VHF/UHF
RECEIVER
TRAY
(OPTIONAL)
1265-1100

J2 IEC CONN TO A8-J7
J14 IEC CONN TO A8-J1
J6 OPTIONAL DIGITAL IF I/P BNC
SEE NOTE 5
J4 BNC RCVR IF RG-55 BNC J6
J3-4
J3-3 RCVR ALC J11-34 J11-11

J3 IS A 15 POS "D" CONN.

J5 J1

"F" 75 OHM I/P RG-59
"N" 50 OHM I/P RG-55

A1
EXCITER

J10-3 J10-16 J10-4 J10-12 J10-13 J10-11 J11-25 J11-31
J10-10 J10-22 J11-18 J11-4 J11-14 J11-19 J11-5 J11-15 J11-2 J11-16 J11-3 J11-17
J15
J10-7 J10-19 J10-6 J10-18

J11-35
J11-1
SMA J9

J7 IS A 9 POS "D" CONN.
J10 IS A 25 POS "D" CONN.
J11 IS A 37 POS "D" CONN.

EXTERNAL 10 MHz REF

IEC CONN TO A8-J2

RG-55 10 MHz REF.

TB1-(-) TB1-GND TB1-(+) J1 J3 J12

BLACK RED

BNC VIDEO RG-179
BNC COMP. AUDIO RG-179
BNC AUR I.C. INPUT RG-55
STANDBY
RTN
OPERATE
MANUAL
RTN
AUTO
INTERLOCK
RTN
VSWR CUTBACK IND.

J11-22 J11-21 J11-20 J11-9 J11-36 J11-8 J11-24 J11-23 J11-37

J11-12 RCVR FAULT
J11-10 MOD. SELECT
J11-28 RTN
J11-7 EXC AUTO MODE IND
J11-32 RTN
J11-6 EXC MAN MODE IND

J7-1 J7-2 J7-3 J7-4 J24 J25 J23

RG-55 BNC 50 KHz O/P
BNC 50 KHz I/P
BNC CH OSC SAMPLE
CHANNEL AFC
IF AFC
RG-188

A25
(OPTIONAL)
PRECISE FREQ CONT. TRAY
1294-1153 + OFFSET
1294-1154 0 OFFSET
1294-1155 - OFFSET
J7 IS A 9 POS "D" CONNECTOR

J8 J6 J5 J7-4 J7-3 J7-2 J7-1 J2 J1 BNC

OVER TEMP
OVER TEMP RTN

J11-32 J11-33

"F" "N"

TB1-(-) TB1-GND TB1-(+)
BALANCED AUDIO INPUT

BNC J2 J6 J4
J8-1 J8-2 J8-3 J8-4 J8-5 J8-6 J7-1 J8-7
J8-9 J8-10 J8-11 J9-30 J9-31 J9-32

J7 IS A 9 POS "D" CONN
J8 IS A 25 POS "D" CONN
J9 IS A 37 POS "D" CONN
J10 IS A 25 POS "D" CONN
J11 IS A 37 POS "D" CONN

P/O A9
REMOTE INTERFACE ASSY.
1245-1801

FWD. O/P SAMPLE
SIDE A FWD. SAMPLE
SIDE A REFL. SAMPLE
SIDE B FWD. SAMPLE
SIDE B REFL. SAMPLE
REJECT SAMPLE
REFL. O/P SAMPLE

RG-55

SMA J14 J15 J16 J17 J18 J19 J20

NOTES:
1) ALL SINGLE WIRE IS 22 AWG UNLESS NOTED OTHERWISE.
2) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.
3) RF OP #1 & RF OP #2 MUST BE EQUAL LENGTH CABLES.
4) SIDE A RF & SIDE B RF MUST BE EQUAL LENGTH CABLES.
5) THE CABLE FROM A7-J4 TO A1-J6 IS NOT USED WHEN THE OPTIONAL DIGITAL IF INPUT KIT (1281-1031) IS USED IN THE EXCITER.

REV	ECO	DATE	APV
A	A25-J6 WAS "IF OSC SAMPLE" PWN	05/14/02	LRT
D0	20110354	08/14/02	LRT
C0	ADD "TO A25-J2 TO A8-J2" AND "TO A26-J1 TO A8-J3 ADD OPTIONAL PRECISE FREQUENCY TRAY (A25) AND CONNECTIONS TO A1 EXCITER; ADD OPTIONAL A26 10 MHz TRAY, RG-55 FROM A26-J2, BNC TO A25-J1, BNC. PWN	05/21/02	LRT
C0	20110216	05/21/02	LRT
8	CHANGED NOTE ON A7 TO READ "J3 IS A 15 POS "D" CONN". CHANGED A6 TO "1136811 OR 1136812. DELETED "1245-1100" FROM A1.	07/26/01	LRT
B0	20100411	11/20/01	LRT
A0	20096994	7/26/01	LRT
1	ADDED WIRES FROM A1-J11-2,3,16&17 TO A9-J11-34,36, 35&37.	3/16/98	RE
1	ADDED J6 OPTIONAL DIGITAL IF I/P TO A1 EXCITER. ADDED NOTE 5.	3/4/98	RE
1	9337	(MAS)	

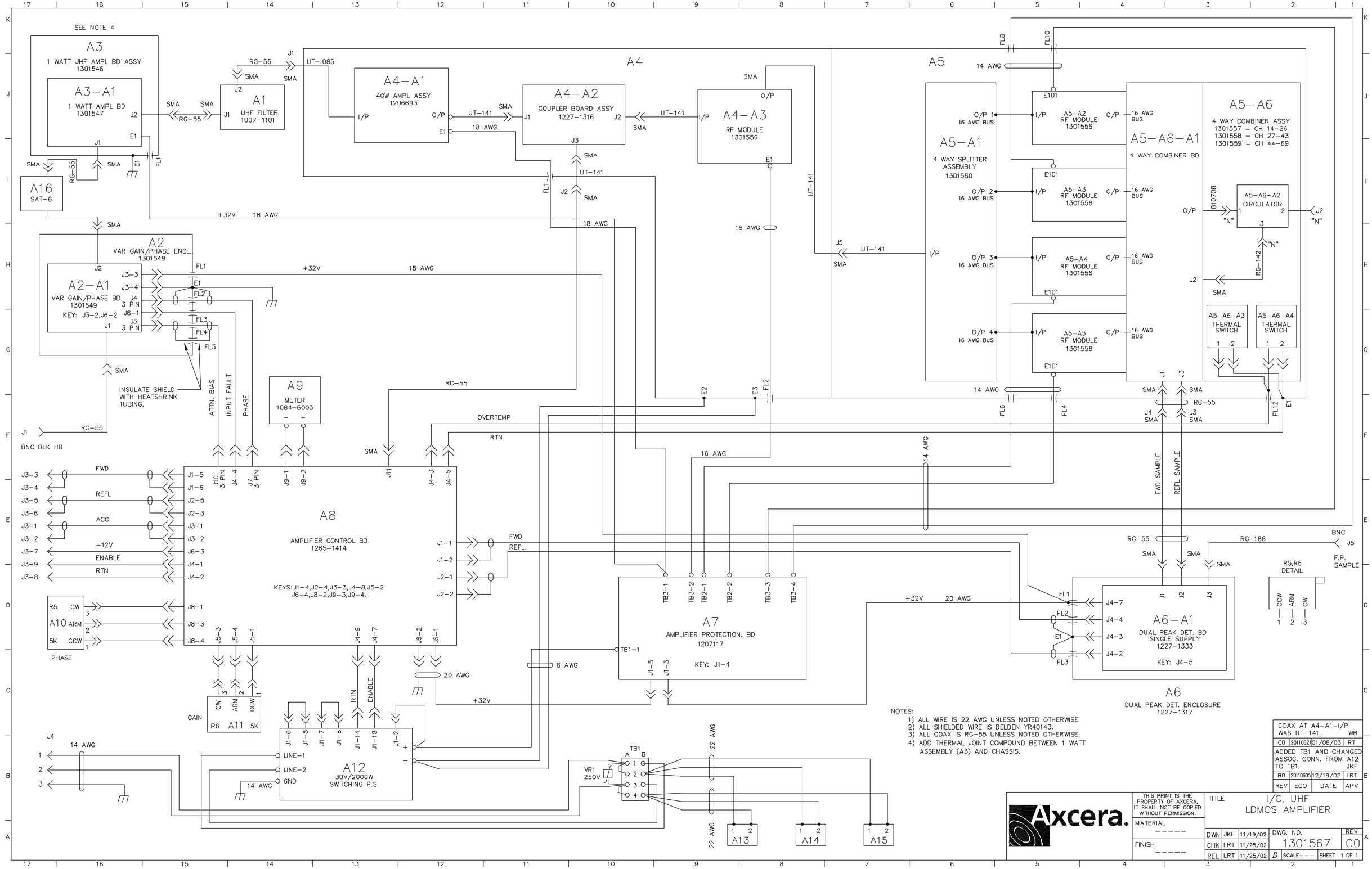
Axcera

MATERIAL ----

FINISH ----

TITLE: I/C, SINGLE UHF EXCITER ASSEMBLY (1278-1400)

DWN	SJM	7/18/96	DWG. NO.	REV.
CHK	RE	7/19/96	1278-8400	D0
REL	RE	7/19/96	D SCALE --	SHEET 1 OF 1



REV	ECO	DATE	APV
			WB
C0	20110621	01/08/03	RT
			JKF
B0	20110605	12/19/02	LRT

COAX AT A4–A1–I/P WAS UT–141.

ADDED TB1 AND CHANGED ASSOC. CONN. FROM A12 TO TB1.

MATERIAL: ------

FINISH: ------

TITLE: I/C, UHF LDMOS AMPLIFIER

DWN	JKF	11/19/02	
CHK	LRT	11/25/02	
REL	LRT	11/25/02	

DWG. NO. 1301567 REV C0

D SCALE: --- SHEET 1 OF 1