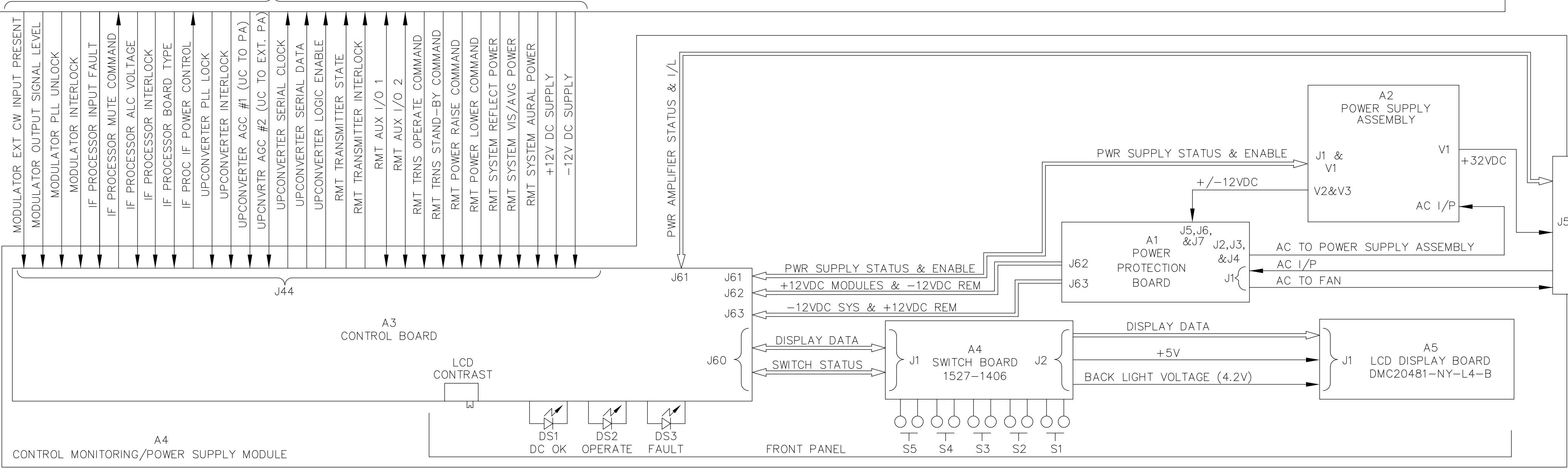


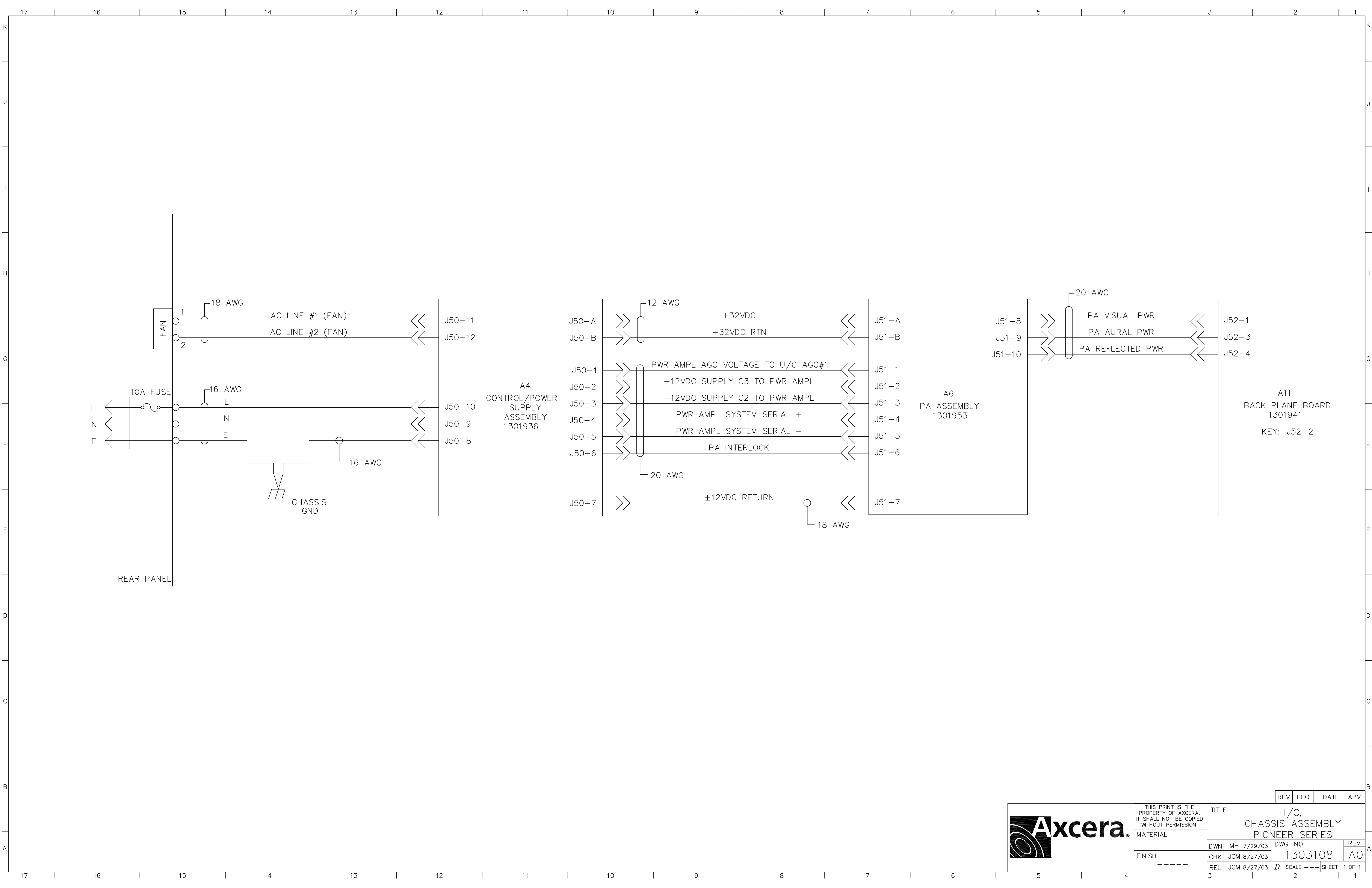
MODULE	SPECIFICATIONS	
A1 SPARE		
A2 MODULATOR (NOT USED IN DIGITAL SYSTEMS)	VIDEO I/P: .5 – 1V PK-PK COMPOSITE AUDIO: .5 – 1V PK-PK SAP/PRO: .5 – 1V PK-PK BASEBAND AUDIO: 0 – +10dBm 10MHz I/P: 0 – +6dBm	IF OUTPUT: –2 TO +2 dBm PK SYNC. 44 MHz (6 MHz BW) POWER REQUIREMENT: +12V @ 800mA –12V @ 100mA
A3 IF PROCESSING	IF INPUT: 44MHz, (6MHz BW) INPUT LEVEL: –2 TO +2 dBm PK SYNC. MODULATOR & RECEIVER INPUT RETURN LOSS: > 15dB IF OUTPUT LEVEL: –10dBm TO –0dBm PEP IF SAMPLE LEVEL: –21dB (HI GAIN) POWER REQUIREMENTS: +12V @ 800mA –12V @ 100mA	
A4 CONTROL/ MONITORING	POWER REQUIREMENTS: +12V @ 250mA –12V @ 50mA	
A4–A1 POWER SUPPLY	AC INPUT LEVEL: 100–240VAC @ 10A 50/60/400Hz DC OUTPUT LEVEL: +32V @ 15A +12V @ 4A –12V @ 4A	
A5 LO/UPCONVERTER	IF INPUT: 41–47 MHz INPUT RETURN LOSS: 18dB MIN @ 41–47 MHz INPUT LEVEL: –8dBm – 0dBm PK SYNC. CONVERSION GAIN: 0 ±1.5dB RF OUTPUT: 470 – 860 MHz 10MHz INPUT LEVEL: 0 TO +6dBm LO OUTPUT LEVEL: 0 TO +6dBm LO TUNING STEP SIZE: 500kHz POWER REQUIREMENTS: +12V @ 400mA –12V @ 50mA	
A6 POWER AMPLIFIER	RF INPUT/OUTPUT: 470 – 860 MHz INPUT LEVEL: +10dBm ±2dB PK SYNC. INPUT RETURN LOSS: –10dB OUTPUT LEVEL: +51dBm (120W PK SYNC), +32V @ 15A POWER REQUIREMENTS: +12V @ 0.2A –12V @ 0.5A	



PRELIMINARY

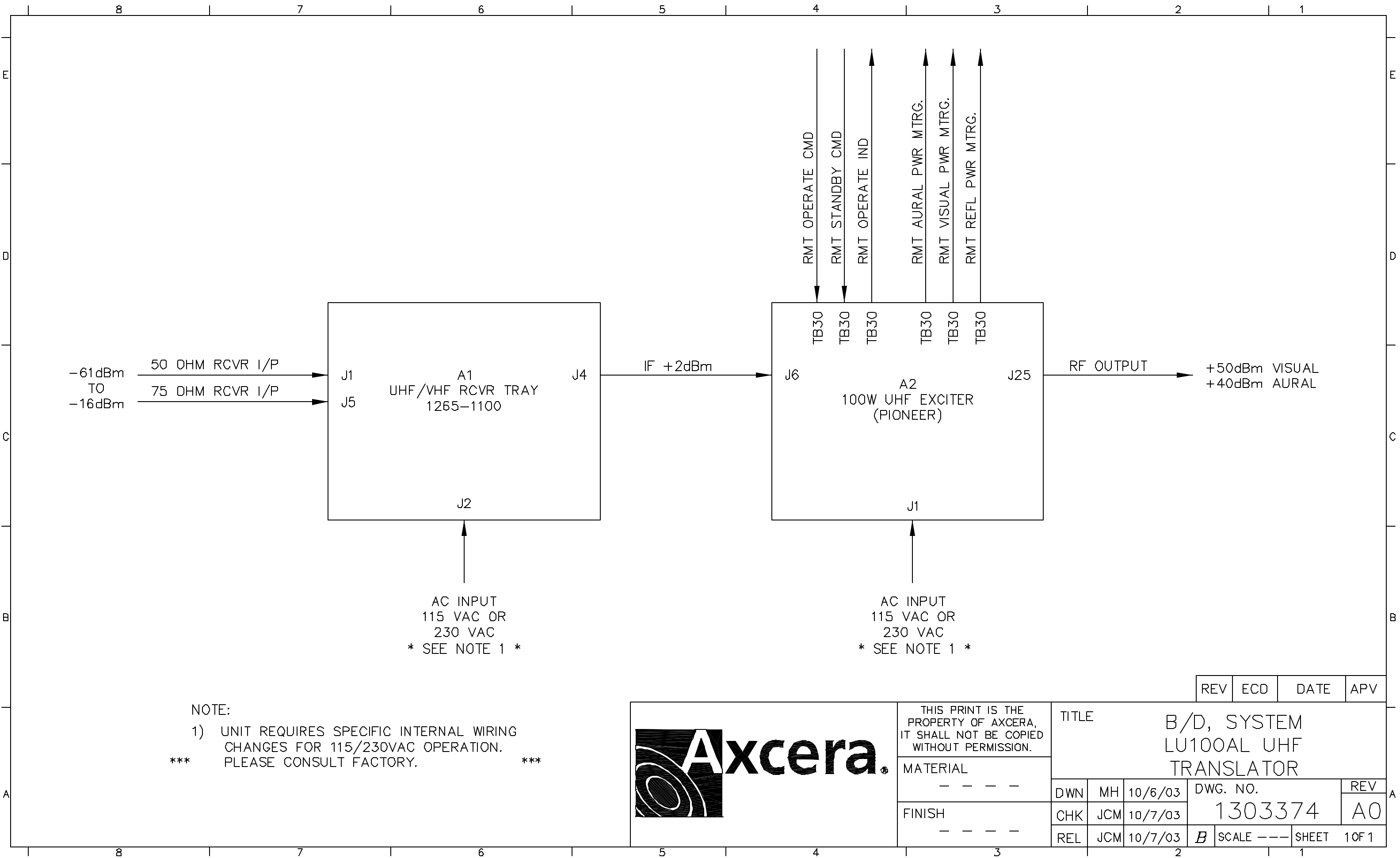


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MATERIAL	-----	DWN	JKF	3/19/03	DWG. NO. 1302139
FINISH	-----	CHK			REL
		REV		50	
		SCALE: ---		SHEET 1 OF 1	



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MATERIAL -----				DWN	MH	7/29/03	DWG. NO.
FINISH -----				CHK	JCM	8/27/03	1303108
				REL	JCM	8/27/03	1303108
				SCALE --- SHEET 1 OF 1			

REV	ECO	DATE	APV
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MATERIAL

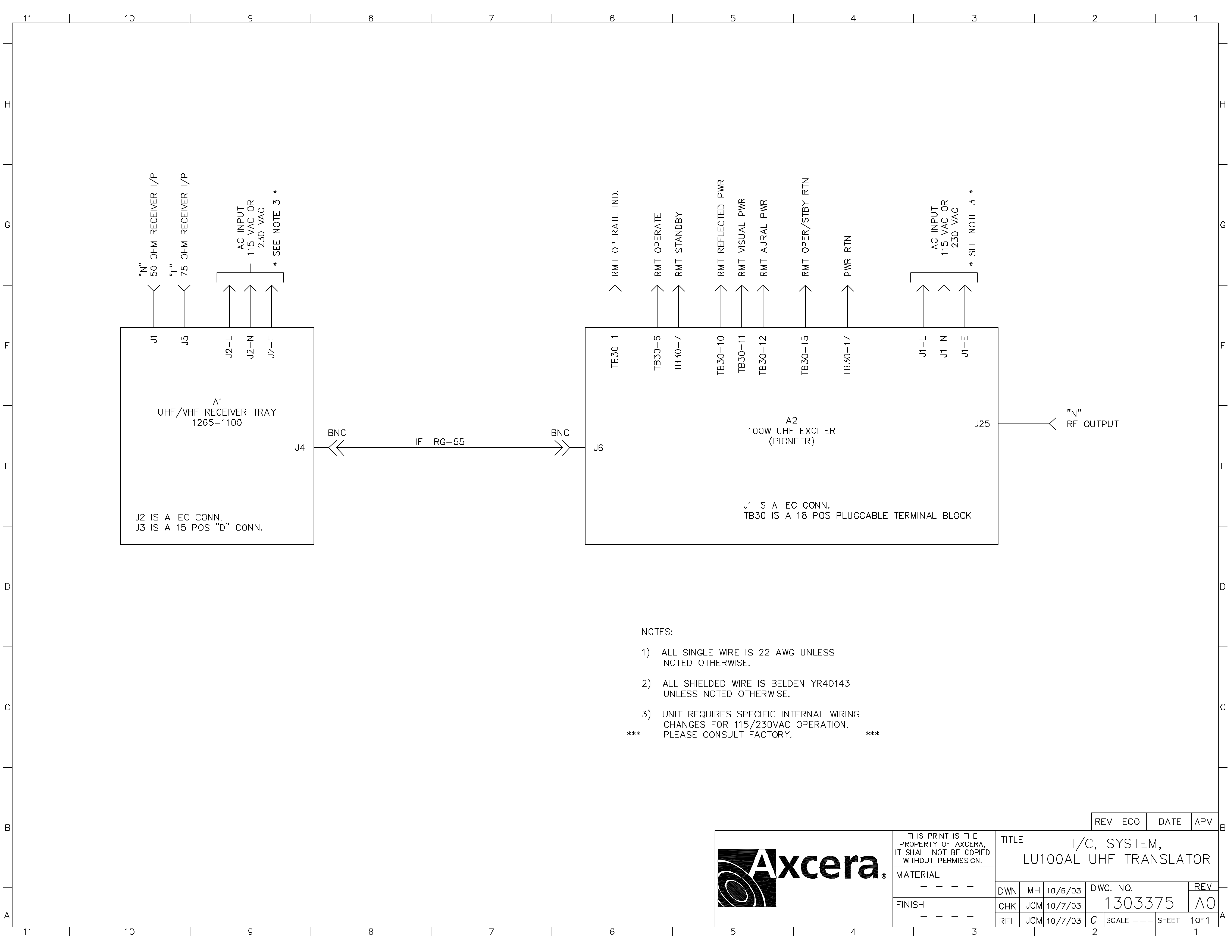
— — — —

FINISH

— — — —

TITLE
B/D, SYSTEM
LU100AL UHF
TRANSLATOR

DWN	MH	10/6/03	DWG. NO. 1303374	REV A0
CHK	JCM	10/7/03		
REL	JCM	10/7/03	B SCALE ---	SHEET 1 OF 1



NOTES:

1) ALL SINGLE WIRE IS 22 AWG UNLESS NOTED OTHERWISE.

2) ALL SHIELDED WIRE IS BELDEN YR40143 UNLESS NOTED OTHERWISE.

3) UNIT REQUIRES SPECIFIC INTERNAL WIRING CHANGES FOR 115/230VAC OPERATION. PLEASE CONSULT FACTORY.

 Axcera®	THIS PRINT IS THE PROPERTY OF AXCERA. IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE I/C, SYSTEM, LU100AL UHF TRANSLATOR							
	MATERIAL - - - -		DWN MH 10/6/03				DWG. NO.		REV	
	FINISH - - - -		CHK JCM 10/7/03				1303375		A0	
			REL JCM 10/7/03				C	SCALE ---	SHEET	1 of 1