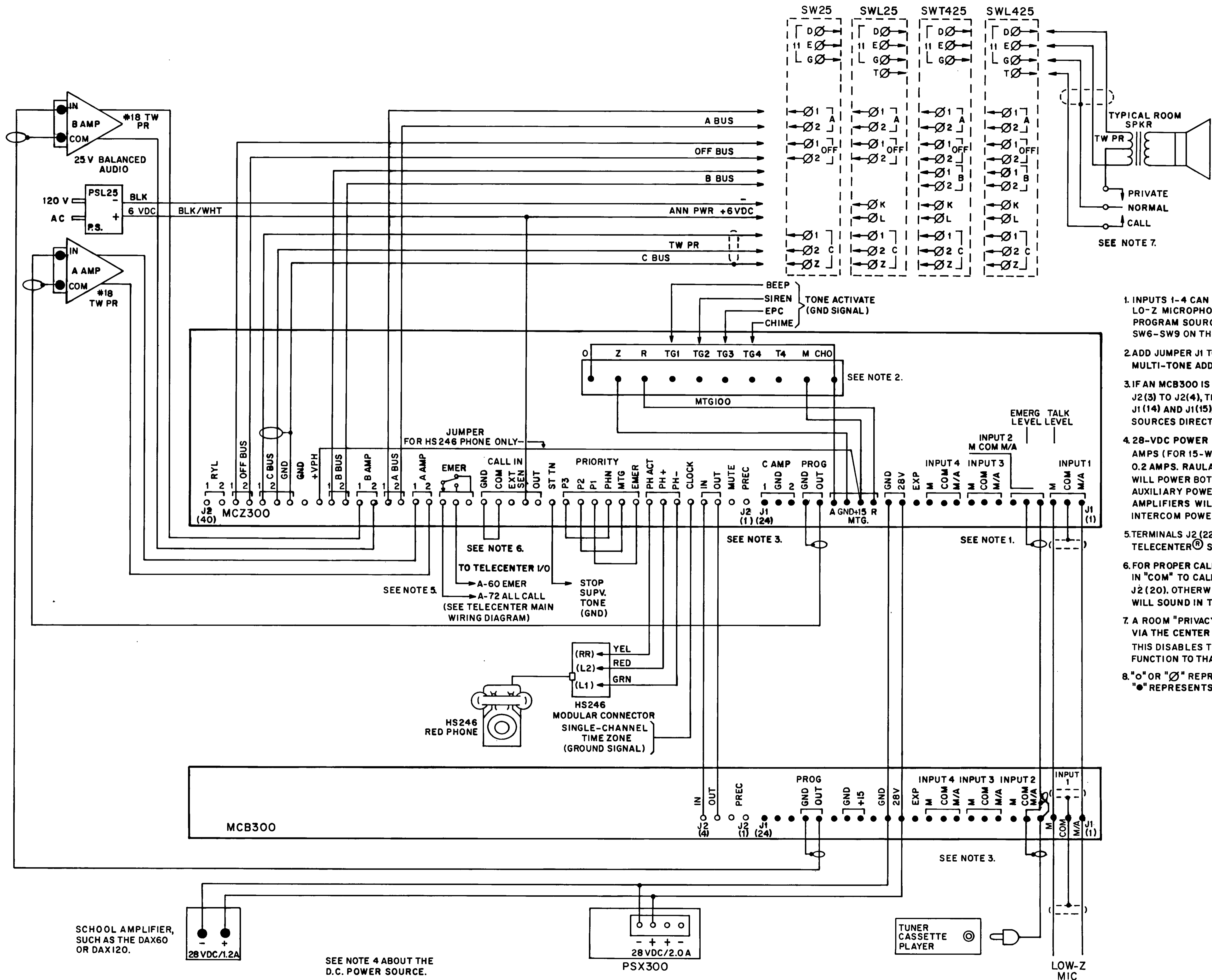


DRG. NO.	KM0952	A
DATE	1-19-90	
ISSUE	CHANGE	
A	JUMPER FOR HS246 PHONE WAS FROM +VPH TO R. 2-28-91	

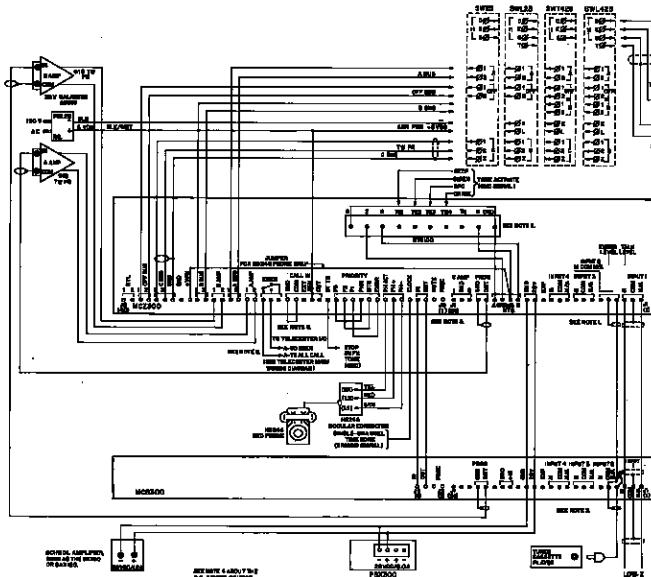


- NOTES**
1. INPUTS 1-4 CAN BE INDIVIDUALLY SET FOR EITHER LO-Z MICROPHONES ("MIC") OR HIGH-LEVEL PROGRAM SOURCES ("AUX") BY SWITCHES SW6-SW9 ON THE MAIN PC BOARD.
  2. ADD JUMPER J1 TO THE PC BOARD OF THE MTG100 MULTI-TONE ADDER MODULE.
  3. IF AN MCB300 IS NOT USED, CONNECT TERMINAL J2(3) TO J2(4), THE POWER SUPPLY DIRECTLY TO J1(14) AND J1(15), AND THE "MIC" AND "AUX" SOURCES DIRECTLY TO THE MCZ300.
  4. 28-VDC POWER REQUIREMENTS: MCZ300-1.5 AMPS (FOR 15-WATT INTERCOM LOAD); MCB300-0.2 AMPS. RAULAND'S PSX300 POWER SUPPLY WILL POWER BOTH UNITS. THE 1.2-AMP, 28-VDC AUXILIARY POWER SUPPLY OF RAULAND'S SCHOOL AMPLIFIERS WILL DRIVE THE MCZ300 (WITH THE INTERCOM POWER REDUCED TO 12 WATTS).
  5. TERMINALS J2(22) AND J2(23) CAN BE WIRED TO A TELECENTER® SYSTEM FOR EMERGENCY ALL-CALL.
  6. FOR PROPER CALL-IN OPERATION, JUMPER CALL-IN "COM" TO CALL-IN "GND" TERMINAL, J2(19) TO J2(20). OTHERWISE, A STEADY CALL-IN TONE WILL SOUND IN THE MCZ300'S SPEAKER.
  7. A ROOM "PRIVACY" SWITCH GROUNDS THE "C" BUS VIA THE CENTER TAP OF THE ROOM'S SPEAKER. THIS DISABLES THE CONTROL PANEL'S "LISTEN" FUNCTION TO THAT ROOM.
  8. "o" OR "Ø" REPRESENTS A WIRE-WRAP TERMINAL. "●" REPRESENTS A SCREW TERMINAL.

SCHOOL AMPLIFIER, SUCH AS THE DAX60 OR DAX120.

SEE NOTE 4 ABOUT THE D.C. POWER SOURCE.

**MODELS MCZ300 AND MCB300 DIRECTOR III CONTROL PANELS**  
 RAULAND-BORG CORP.  
 SKOKIE, ILL.  
 MADE IN U.S.A.  
 KM0952 **A**



- NOTES**
1. INPUTS 1-4 CAN BE INDIVIDUALLY SET FOR EITHER 120V OR 115V OPERATION (115V) AS WELL AS LOCAL OR REMOTE SOURCES ("LOCAL") BY SWITCHES SW1-SW4 AS THE LAST FOUR PINS.
  2. LINE NUMBER 2 IS THE SIGNAL OF THE 120VDC MULTI-TONE LINE NUMBER SIGNAL.
  3. IF AN HOOK IS NOT USED, CONTACT T201 WILL CLOSE TO GROUND THE POWER SUPPLY RELAY TO 120V AND HOLD AND THE "CALL" AND "STOP" SIGNALS DIRECTLY TO THE MICRO.
  4. AN 80-100 WATT POWER SUPPLY SYSTEM IS REQUIRED - 1A AMP (FOR 15-100W INTERCOM LINEAR POWER) - 2.5A AMP (SPEAKER'S 1000W POWER SUPPLY WILL POWER BOTH LINES, THE 1A-AMP, 80-100 WATT SUPPLY OF SULLARD'S SCHOOL AMPLIFIER WILL POWER THE MICRO) (WITH THE EXTENSIVE POWER REQUIRED TO BE WIRE).
  5. TERMINALS IN SPEAKER CIRCUIT ARE WIRING TO A TELECENTRIC SYSTEM FOR REMOTE CALL-CALL.
  6. FOR PROPER CALL-IN OPERATION, "OFFER CALL" IS "OFF" TO SW1-18 OF TERMINAL AND INTO 25 OHM, OTHERWISE, A STAYING BELL-IN TIME WILL SOUND IN THE MICRO'S SPEAKER.
  7. A 300W "PRIORITY" SWITCH BETWEEN THE "P" AND "H" HAS THE CENTER SW BY THE MICRO'S SPEAKER. THIS DISABLES THE CONTROL PANEL'S "LIFT" FUNCTION TO THAT ROOM.
  8. "OFF" OR "ON" REPRESENTS A WIRE-WRAP TERMINAL. "OFF" REPRESENTS BY A WIRE-WRAP TERMINAL.

SPEAKER AMPLIFIER  
 MUST BE THE MICRO  
 OR BELL-10

SEE NOTE 1 AND 7 FOR  
 DC POWER SOURCE



120V AC  
 115V  
 115V DC