

centuri^{T.M.}
,INC.
HIALEAH, FLORIDA, U.S.A.



SERVICE MANUAL

364-62-0100 A

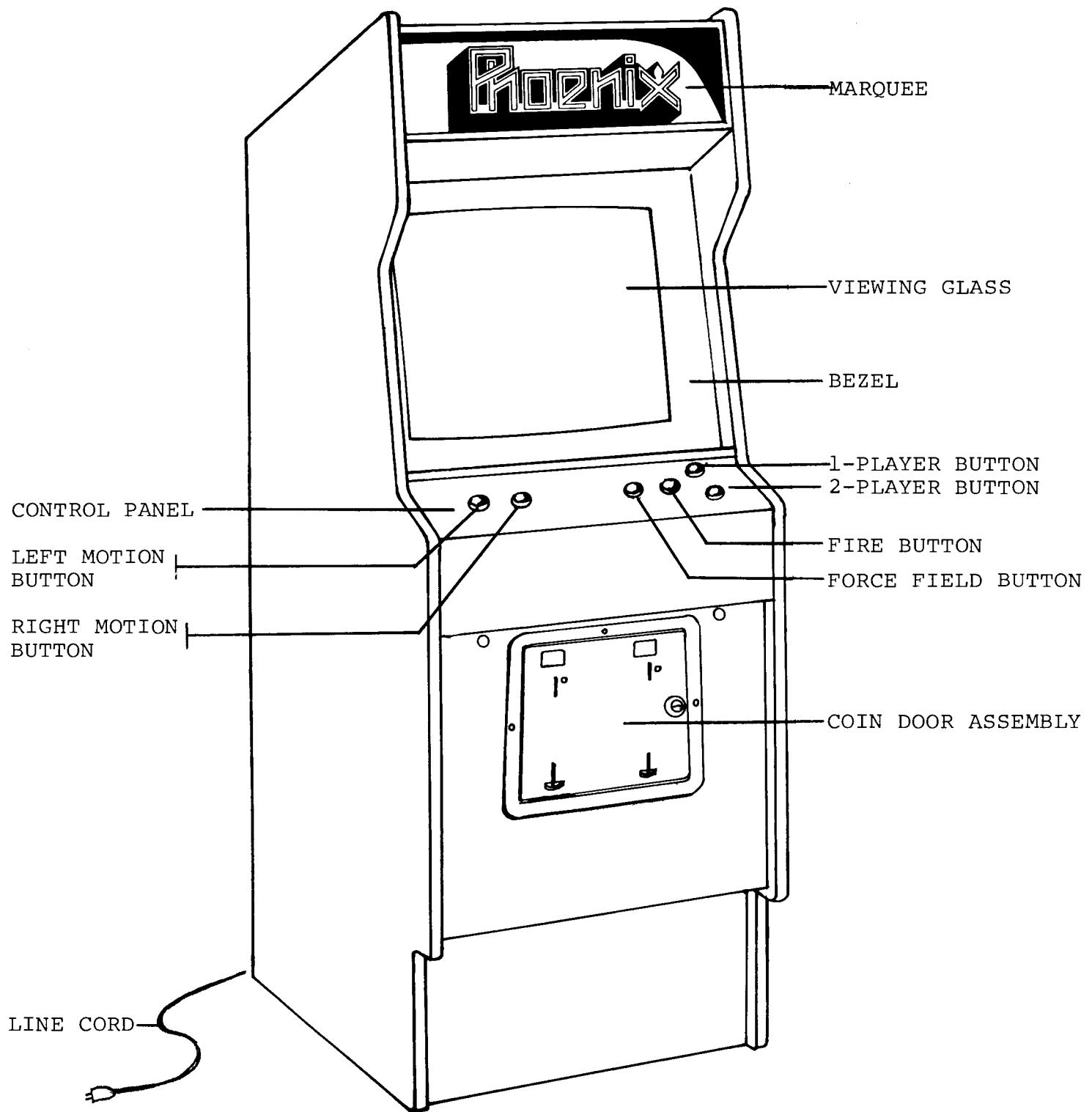
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USER INFORMATION - F.C.C.

WARNING:

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. As temporarily permitted by regulation, it has not been tested for compliance pursuant to Subpart J of Part 15 of F.C.C. Rules, which are designed to provide reasonable protection against such interference. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.



19" PHOENIX VIDEO UPRIGHT

PHOENIX

PHOENIX is an exciting new space game, with special audio and visual effects, challenging the skills of the most experienced player. Fascinating visual graphics and extraterrestrial sounds add to the intensity of this game.

There are five basic stages to each round of play. After a melodious introduction, the first stage begins with a wave of sixteen (16) small Phoenixes attacking the spaceship. They drop missiles and dive at the spaceship, in an effort to destroy it.

The spaceship maneuvers left and right, evading the missiles and birds, and fires rockets, attempting to destroy the birds.

The spaceship can utilize the "Force Field" as a means of protection from the missiles and birds, and can destroy the Phoenixes by colliding with them while in the Force Field. The Force Field only lasts a few seconds and then cannot be used for approximately five (5) seconds afterward.

After the first wave of Phoenixes are destroyed, a second wave appears, and can be destroyed in the same manner as in the first stage.

The third stage begins with a wave of eight (8) "Eggs" that are transformed into blue Phoenix birds that attack the spaceship. These birds can be destroyed by rocket fire from the spaceship. If the rocket hits the bird on center, the bird is destroyed. If the rocket hits the bird to the left or right of center, only that wing of the bird is destroyed. The wing will regenerate itself in a short time.

After all the blue Phoenixes have been shot down, the fourth stage appears on the screen. Two banks of eggs appear (four eggs in each row), and are transformed into pink Phoenixes, and can be destroyed in the same manner as the blue birds.

The fifth stage is the attack of the spacefortress, which sends down waves of small birds to attack the spaceship, in addition to direct missile fire from the spacefortress. Spaceship rocket fire can penetrate and break down the protective barrier shielding the space creature in the spacefortress. The fifth stage

is completed when the rocket from the spaceship destroys the space creature and the spacefortress with a direct hit.

Good aim and timing are critical to high scoring. Birds destroyed while in flight (with wings flapping), will score 200 points each, and eggs hit in the process of hatching also have higher point values.

Delayed destruction of the spacefortress also gives the player high point values.

When bonus levels are achieved, additional spaceships are added to your game. The bonus level may be adjusted to award bonus spaceships at 3,000 and 30,000 points, 4,000 and 40,000 points, 5,000 and 50,000 points, or 6,000 and 60,000 points.

INSTALLATION

Your game was shipped from the factory in ready-to-play condition. A brief inspection is suggested before the machine is removed from the carton. If there is damage to the shipping carton, contact the freight carrier for claim purposes. External damage could indicate possible damage to the cabinet and/or electronic components.

After the carton has been satisfactorily inspected, remove the machine from the shipping carton.

Examine the interior of the game for disconnected wires, cables or harnesses and make sure electronic devices are securely mounted in their sockets, etc. Record the game serial number, since it will be required for reference and servicing.

ELECTRICAL REQUIREMENTS

Unless otherwise specified, this game is set to operate at 110 Volts A.C. See Figure -1- for 110/220 VAC conversion instructions.

Power Supply Chassis schematic information and parts list are included in this manual.

FIGURE -1-

110/220 VAC CONVERSION INSTRUCTIONS

1. This video arcade game has a harnessing configuration that allows the machine to be operated from either a 110 VAC or 220 VAC @ 50 or 60 Hz power source, with only minor changes. The only items requiring a change are the fuses and the jumper plug on the game power transformer.
2. First, unplug the machine from the wall outlet to completely eliminate shock hazards.
3. Next, remove the two fuses in the A.C. distribution bracket.
4. Then, remove the jumper plug on the game power transformer located on the floor of the machine.
5. Now, depending on what voltage you wish to run the game from, do the following:

110 VAC: Replace the two fuses that go in the bracket with 3-AMP SLOW-BLOW types. Next, plug in the ORANGE jumper plug labeled 110 VAC. The machine can now be operated with an input voltage of 110 Volts AC.

220 VAC: Replace the two fuses that go in the bracket with 1½ AMP SLOW-BLOW types. Next, plug in the RED jumper plug labeled 220 VAC. The machine can now be operated with an input voltage of 220 Volts AC.

NOTE: All games shipped from CENTURI, INC. are in the 110 VAC configuration.

GAME INSTRUCTIONS:

1. INSERT COIN(S) INTO SLOT.
2. SELECT 1 OR 2 PLAYER BUTTON.
3. MOVE THE SPACESHIP RIGHT AND LEFT, DODGING FROM ATTACK OF PHOENIX AND DESTROYING IT BY FIRING BUTTON.
4. SHELTER SPACESHIP BY PRESSING FORCE FIELD BUTTON.
5. ADDITIONAL SPACESHIP IS ADDED WHEN BONUS SCORE IS ACHIEVED.
6. THE GAME IS OVER WHEN ALL THE SPACESHIPS HAVE BEEN DESTROYED.

GAME SCORING:



= 20, 40 and 80 Points.



= 200 Points.



= 50 to 100 Points
(Hatching = 100 to 800 Points).



= 1,000 to 9,000 Points.

ROUTINE MAINTENANCE & SERVICE

Because of the solid state electronic circuitry, this machine should require very little maintenance and only occasional adjustments. However, it is necessary to take measures to insure this.

The volume control is located on the bottom side of the printed circuit board farthest from the side of the cabinet, and can be accessed through the rear door.

The video monitor has been properly adjusted before shipping. Occasionally minor adjustments are necessary, see monitor specifications and schematics for technical information. Adjustment controls for the monitor are located at the rear of the monitor.

This machine should be serviced only by a qualified technician.

Do not make any adjustments on this machine while the power is on.

For service information, contact:

CENTURI, INC.

Customer Service Department

#800-327-7710 (Outside the state of Florida)

#305-556-5888 (In Florida)

OPERATOR OPTIONAL SWITCH SETTINGS

The option switches are located on the CPU board. The option switches and audio control can be reached through the back of the machine.

The following settings will assist you with your selections:

OPTIONAL SWITCH SETTINGS

Switches 1 and 2 control the number of times the player may have his spaceship destroyed before the game is over. The following truth table lists these switch settings:

| <u>SWITCH 1:</u> | <u>SWITCH 2:</u> | <u>NUMBER OF SPACESHIPS:</u> |
|------------------|------------------|------------------------------|
| OFF | OFF | 6 |
| ON | OFF | 5 |
| OFF | ON | 4 |
| ON | ON | 3 |

Switches 3 and 4 control the score at which one or two free spaceships are awarded according to the following truth table:

| <u>SWITCH 3:</u> | <u>SWITCH 4:</u> | <u>FIRST FREE SHIP SCORE:</u> | <u>SECOND FREE SHIP SCORE:</u> |
|------------------|------------------|-----------------------------------|------------------------------------|
| OFF | OFF | 6,000 | 60,000 |
| ON | OFF | 5,000 | 50,000 |
| OFF | ON | 4,000 | 40,000 |
| ON | ON | 3,000 | 30,000 |

SWITCH 5: OFF - 25¢ PER GAME.
ON - 50¢ PER GAME.

Switches 6, 7 and 8 are factory adjustments, and must be left in OFF position.

PARTS LIST

| <u>NO.</u> | <u>PART NUMBER:</u> | <u>DESCRIPTION:</u> | <u>USAGE:</u> |
|------------|---------------------|---|---------------|
| 1 | 50010249LS | 74LS245 I.C. | 1 |
| 2 | 50010252LS | 74LS374 I.C. | 3 |
| 3 | 50010273LS | 74LS244 I.C. | 2 |
| 4 | 50010275LS | 74LS136 I.C. | 1 |
| 5 | 50010248LS | 74LS138 I.C. | 4 |
| 6 | 50010221LS | 74LS163 I.C. | 3 |
| 7 | 50010045LS | 74LS157 I.C. | 3 |
| 8 | 50010002LS | 74LS00 I.C. | 4 |
| 9 | 50010096LS | 74LS08 I.C. | 3 |
| 10 | 50010141LS | 74LS125 I.C. | 1 |
| 11 | 50010105LS | 74LS32 I.C. | 4 |
| 12 | 50010170LS | 74LS14 I.C. | 1 |
| 13 | 50010019LS | 74LS74 I.C. | 3 |
| 14 | 50010026LS | 74LS107 I.C. | 1 |
| 15 | 50010030LS | 74LS174 I.C. | 1 |
| 16 | 50010276LS | 74L470 I.C. | 1 |
| 17 | 50010197 | 7405 I.C. | 2 |
| 18 | 50010142 | 7407 I.C. | 1 |
| 19 | 50010277 | 8085 C.P.U. | 1 |
| 20 | 50020003 | LM380 I.C. | 1 |
| 21 | 50010254 | LM324 I.C. | 2 |
| 22 | 50010001 | 555 Timer I.C. | 5 |
| 23 | 50010281 | 4006 I.C. | 1 |
| 24 | 50020086 | 564 Transistor | 1 |
| 25 | 50040082 | .047 mfd, 25 V. Disc Ceramic Capacitor | 13 |
| 26 | 50040001 | .1mfd, 25 V. Disc Ceramic Capacitor | 2 |
| 27 | 50040141 | .001mfd, 50 V. Disc Ceramic Capacitor | 7 |
| 28 | 50040151 | .330pf, 25 V. Disc Ceramic Capacitor | 1 |
| 29 | 50040049 | .01mfd, 25 V. Disc Ceramic Capacitor | 2 |
| 30 | 50040153 | .022mfd, 25 V., Disc Ceramic Capacitor | 1 |
| 31 | 50060104 | 47mfd, 50 V. Alum. Lytic Rad. Cap. | 4 |
| 32 | 50060031 | 100mfd, 25 V., Alum. Lytic Rad. Cap. | 1 |
| 33 | 50060126 | 470mfd, 30 V., Alum. Lytic Rad. Cap. | 1 |
| 34 | 50060120 | 10mfd, 16 V., Alum. Lytic Rad. Cap. | 1 |
| 35 | 50060165 | 10 mfd, 25 V., Dipped Tantalum Cap. | 9 |
| 36 | 50060166 | .47mfd, 35 V., Dipped Tantalum Cap. | 1 |
| 37 | 50060163 | 1mfd, 35 V., Dipped Tantalum Cap. | 2 |
| 38 | 50060145 | 6.8mfd, 25 V., Dipped Tantalum Cap. | 2 |
| 39 | 50120004 | 10K PCB Trimmer Potentiometer | 1 |
| 40 | 50360007 | 5-Pin Resistor, 1K Ohm | 1 |
| 41 | 50360006 | 9-Pin Resistor Pack, 1K Ohm | 3 |
| 42 | 50030256 | 100 Ohm, $\frac{1}{4}$ W., 5% Resistor | 8 |
| 43 | 50030051 | 1K Ohm, $\frac{1}{4}$ W., Resistor | 12 |
| 44 | 50030056 | 2.7K Ohm, $\frac{1}{4}$ W., Resistor | 2 |
| 45 | 50030063 | 10K Ohm, $\frac{1}{4}$ W., 5% Resistor | 16 |
| 46 | 50030014 | 270 Ohm, $\frac{1}{4}$ W., 5% Resistor | 9 |
| 47 | 50030150 | 47K Ohm, $\frac{1}{4}$ W., 5% Resistor | 9 |
| 48 | 50030095 | 330 Ohm, $\frac{1}{4}$ W., 5% Resistor | 2 |
| 49 | 50030007 | 100K Ohm, $\frac{1}{4}$ W., 5% Resistor | 4 |
| 50 | 50030010 | 470 Ohm, $\frac{1}{4}$ W., 5% Resistor | 2 |

CPU BOARD ASSEMBLY

#50330008

PARTS LIST

| <u>NO.</u> | <u>PART NUMBER:</u> | <u>DESCRIPTION:</u> | <u>USAGE:</u> |
|------------|---------------------|---|---------------|
| 51 | 50030086 | 33K Ohm, $\frac{1}{4}$ W., 5% Resistor | 6 |
| 52 | 50030197 | 5.1K Ohm, $\frac{1}{4}$ W., 5% Resistor | 3 |
| 53 | 50030265 | 510K Ohm, $\frac{1}{4}$ W., 5% Resistor | 2 |
| 54 | 50030266 | 20K Ohm, $\frac{1}{4}$ W., 5% Resistor | 1 |
| 55 | 50100014 | 1N914 Diode | 7 |
| 56 | 50150214 | 8-Pin Solder Tail Socket, Low Profile | 5 |
| 57 | 50150060 | 40-Pin Solder Tail Socket, Low Prof. | 1 |
| 58 | 50150158 | 20-Pin Solder Tail Socket, Low Prof. | 6 |
| 59 | 50150110 | 14-Pin Solder Tail Socket, Low Prof. | 25 |
| 60 | 50150111 | 16-Pin Solder Tail Socket, Low Prof. | 13 |
| 61 | 50150112 | 18-Pin Solder Tail Socket, Low Prof. | 1 |
| 62 | 50040136 | .05mf, Mylar Capacitor | 1 |
| 63 | 50130034 | 8-Position Dip Switch | 1 |
| 64 | 50150256 | 50-Pin PCB Header, Ainsley #609-5007ES | 2 |
| 65 | 50210217 | Printed Circuit Board - CPU | 1 |
| 66 | 364-10-0300 | P.C.B. Interconnect Cable | 2 |

LOGIC BOARD ASSEMBLY

#50330009

PARTS LIST

| <u>NO.</u> | <u>PART NUMBER:</u> | <u>DESCRIPTION:</u> | <u>USAGE:</u> |
|------------|---------------------|---|---------------|
| 1 | 5001022LS | 74LS163 I.C. | 4 |
| 2 | 50010022LS | 74LS86 I.C. | 4 |
| 3 | 50010019LS | 74LS74 I.C. | 1 |
| 4 | 50010274LS | 74LS132 I.C. | 1 |
| 5 | 50010262LS | 74LS283 I.C. | 3 |
| 6 | 50010252LS | 74LS374 I.C. | 3 |
| 7 | 50010093LS | 74LS151 I.C. | 4 |
| 8 | 50010030LS | 74LS174 I.C. | 4 |
| 9 | 50010045LS | 74LS157 I.C. | 4 |
| 10 | 50010249LS | 74LS245 I.C. | 2 |
| 11 | 50010005 | 7404 I.C. | 1 |
| 12 | 50010185 | 2716 I.C. | 12 |
| 13 | 50010242 | 2114 I.C. | 8 |
| 14 | 50010273LS | 74LS244 I.C. | 1 |
| 15 | 50040082 | .047mf, 25 V., Disc Ceramic Cap. | 7 |
| 16 | 50040141 | .001mf, 50 V., Disc Ceramic Cap. | 2 |
| 17 | 50040049 | .01mf, 25 V., Disc Ceramic Cap. | 2 |
| 18 | 50040150 | 390pf, 25V., Ceramic Disc Cap. | 1 |
| 19 | 50040001 | .1mf, 25 V., Ceramic Disc Cap. | 15 |
| 20 | 50040142 | 150 pf, 50 V., Disc Ceramic Cap. | 1 |
| 21 | 50060028 | 22mf, Alum. Lytic Radial Cap. | 1 |
| 22 | 50070014 | 11MHz Crystal | 1 |
| 23 | 50030004 | 1.2K, $\frac{1}{4}$ W., 5% Resistor | 2 |
| 24 | 50030111 | 100 Ohm, $\frac{1}{2}$ W., 5% Resistor | 1 |
| 25 | 50150110 | 14-Pin Solder Tail Socket, Low Profile | 8 |
| 26 | 50150111 | 16-Pin Solder Tail Socket, Low Profile | 19 |
| 27 | 50150112 | 18-Pin Solder Tail Socket, Low Profile | 8 |
| 28 | 50150158 | 20-Pin Solder Tail Socket, Low Profile | 6 |
| 29 | 50150061 | 24-Pin Solder Tail Socket, Low Profile | 12 |
| 30 | 50150256 | 50-Pin P.C.B. Header, Ansley#609-5007ES | 2 |
| 31 | 50210216 | P.C. Board, Logic | 1 |

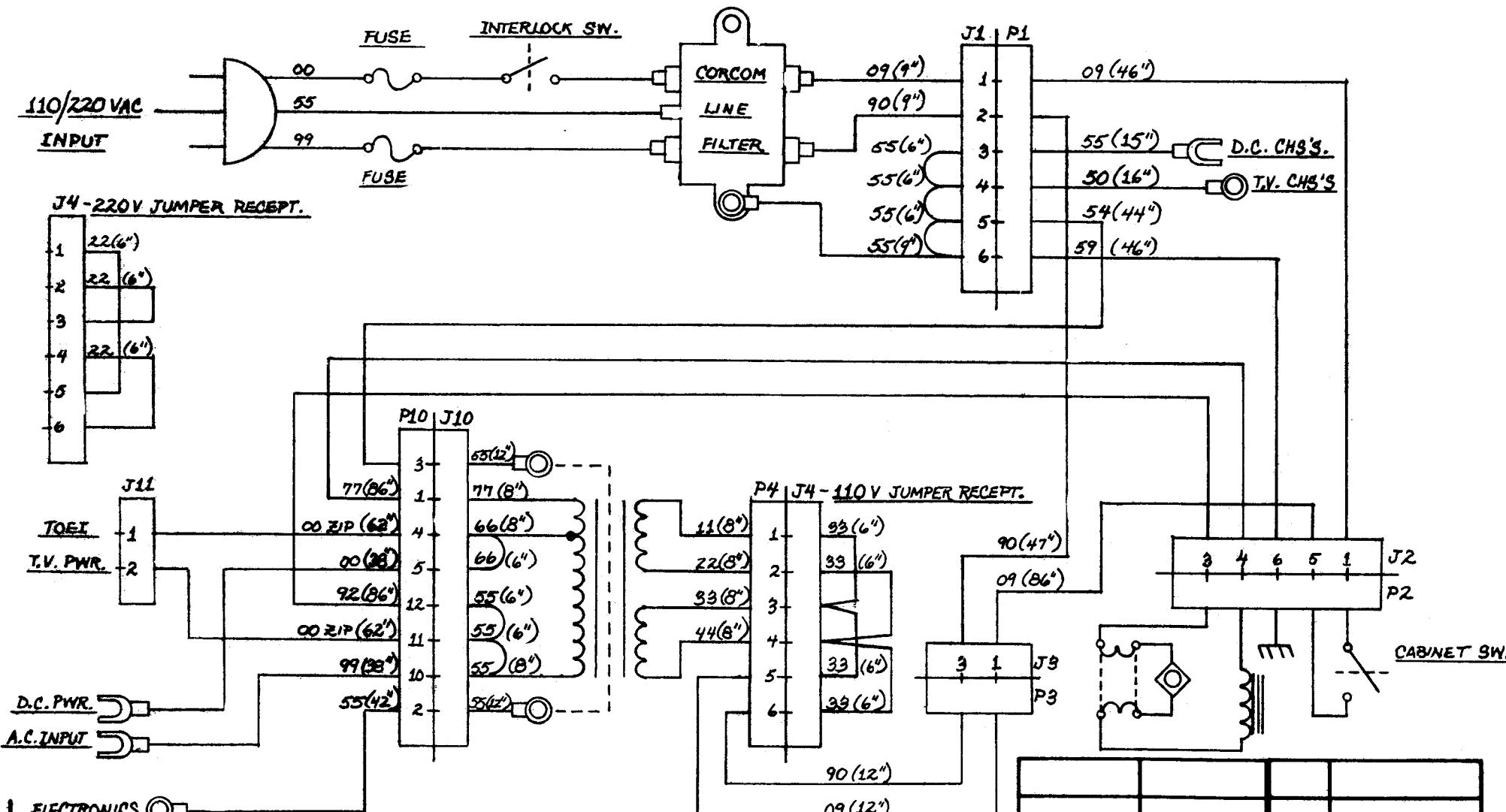
PARTS LIST - SHINDENGEN POWER SUPPLY

| <u>SYMBOL:</u> | <u>DESCRIPTION:</u> | <u>USAGE:</u> |
|----------------|---|---------------|
| T1 | Transformer, Single Phase, 24 VA | 1 |
| L1 | Choking Coil, 1.6 mH, 1.5A | 1 |
| L2, L4 | Choking Coil, SF-T8-50S-03 | 2 |
| L3 | Choking Coil, SF-HP-2A-03 | 1 |
| D1 | Diode, V19G | 1 |
| D2 | Diode, V06C | 1 |
| D3, D6 | Diode, 1S1588 | 2 |
| D4 | Diode, S15S3 | 1 |
| D5, D7 | Diode, 5CH1M | 2 |
| D12, D13 | Diode, F113B | 2 |
| D14 | Diode, F113B | 1 |
| RF1 | Diode, S4VB40 (Bridge Type) | 1 |
| Q1 | Transistor, 2SC2504 | 1 |
| Q2 | Transistor, 2SD467 (B) | 1 |
| Q3 | Transistor, 2SC460(B) | 1 |
| Q4 | Transistor, 2SA673(B) | 1 |
| IC1 | Integrated Circuit, RM723DC or HA17723G-02 | 1 |
| PC1 | Photo Coupler, PS2001 | 1 |
| R1 | Resistor, 2 Watt, 18 Ohm | 1 |
| R8, R9 | Resistor, 2 Watt, 47K Ohm | 2 |
| R3, 1-4 | Resistor, 2 Watt, 15 Ohm | 4 |
| R4 | Resistor, 1 Watt, 56 Ohm | 1 |
| R12 | Resistor, 1 Watt, 100 Ohm | 1 |
| R28 | Resistor, 1 Watt, 470 Ohm | 1 |
| R7 | Resistor, 1 Watt, 0.56 Ohm | 1 |
| R26 | Resistor, 1 Watt, 0.82 Ohm | 1 |
| R23 | Resistor, 1/4 Watt, 22 Ohm | 1 |
| R10 | Resistor, 1/4 Watt, 33 Ohm | 1 |
| R27 | Resistor, 1/4 Watt, 68 Ohm | 1 |
| R2 | Resistor, 1/4 Watt, 330 - 470 Ohm | 1 |
| R22 | Resistor, 1/4 Watt, 220 Ohm | 1 |
| R21 | Resistor, 1/4 Watt, 270 Ohm | 1 |
| R6 | Resistor, 1/4 Watt, 330 Ohm | 1 |
| R11 | Resistor, 1/4 Watt, 68 Ohm | 1 |
| R20 | Resistor, 1/4 Watt, 470 Ohm | 1 |
| R17 | Resistor, 1/4 Watt, 680 Ohm | 1 |
| R19 | Resistor, 1/4 Watt, 800 Ohm | 1 |
| R18 | Resistor, 1/4 Watt, 1.2K Ohm | 1 |
| R5 | Resistor, 1/4 Watt, 10K Ohm | 1 |
| R16 | Resistor, 1/4 Watt, 220K Ohm | 1 |
| R29 | Resistor, 3 Watt, 27 Ohm | 1 |
| R39 | Resistor, 1/4 Watt, 4.7K Ohm | 1 |
| R38 | Resistor, 1/4 Watt, 5.6K Ohm | 1 |
| R24 | Resistor, 1/4 Watt, 330 Ohm | 1 |
| R25 | Resistor, 1/4 Watt, 150 Ohm | 1 |
| RV1 | Variable Resistor, RJ-6P501 | 1 |

PARTS LIST - SHINDENGEN POWER SUPPLY

| <u>SYMBOL:</u> | <u>DESCRIPTION:</u> | <u>USAGE:</u> |
|----------------|------------------------|---------------|
| C1, C2 | Capacitor, ECK-DAL102E | 2 |
| C3-1,-2 | Capacitor, 160VSN100 | 2 |
| C9, C10 | Capacitor, SM10VB-2200 | 2 |
| C11, C23 | Capacitor, SM10VB-2200 | 2 |
| C12, C13,C15 | Capacitor, SL25VB-10 | 3 |
| C27 | Capacitor, SL25VB-10 | 1 |
| C18,C19,C20 | Capacitor, SM35VB-1000 | 3 |
| C26 | Capacitor, SM35VB-1000 | 1 |
| C21,C22,C25 | Capacitor, SM16VB-1000 | 3 |
| C5 | Capacitor, DMY21H472K | 1 |
| C6 | Capacitor, DMY21H104K | 1 |
| C14,C16 | Capacitor, DMY21H222K | 2 |
| C4 | Capacitor, CM20XC511K5 | 1 |
| C8 | Capacitor, MDD22G473K | 1 |
| C5-2 | Capacitor, DMY21H222K | 1 |
| F1, F2 | Enclosed Type Fuse, 3A | 2 |

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AND NO PART OF IT CAN BE REPRODUCED WITHOUT THE
EXPRESSED PERMISSION OF ALLIED LEISURE IND., INC.



ALLIED LEISURE INDUSTRIES, INC.

HIALEAH, FLORIDA 33014

NAME

PHOENIX - 19": 110/220 V POWER INTERCONNECT DIAG.

MATL'S.

HEAT TREAT.

FINISH

DWN. ED
LENHARDT

APP'D.

DATE
1-14-81

SCALE

PART NO.
361-10-0900

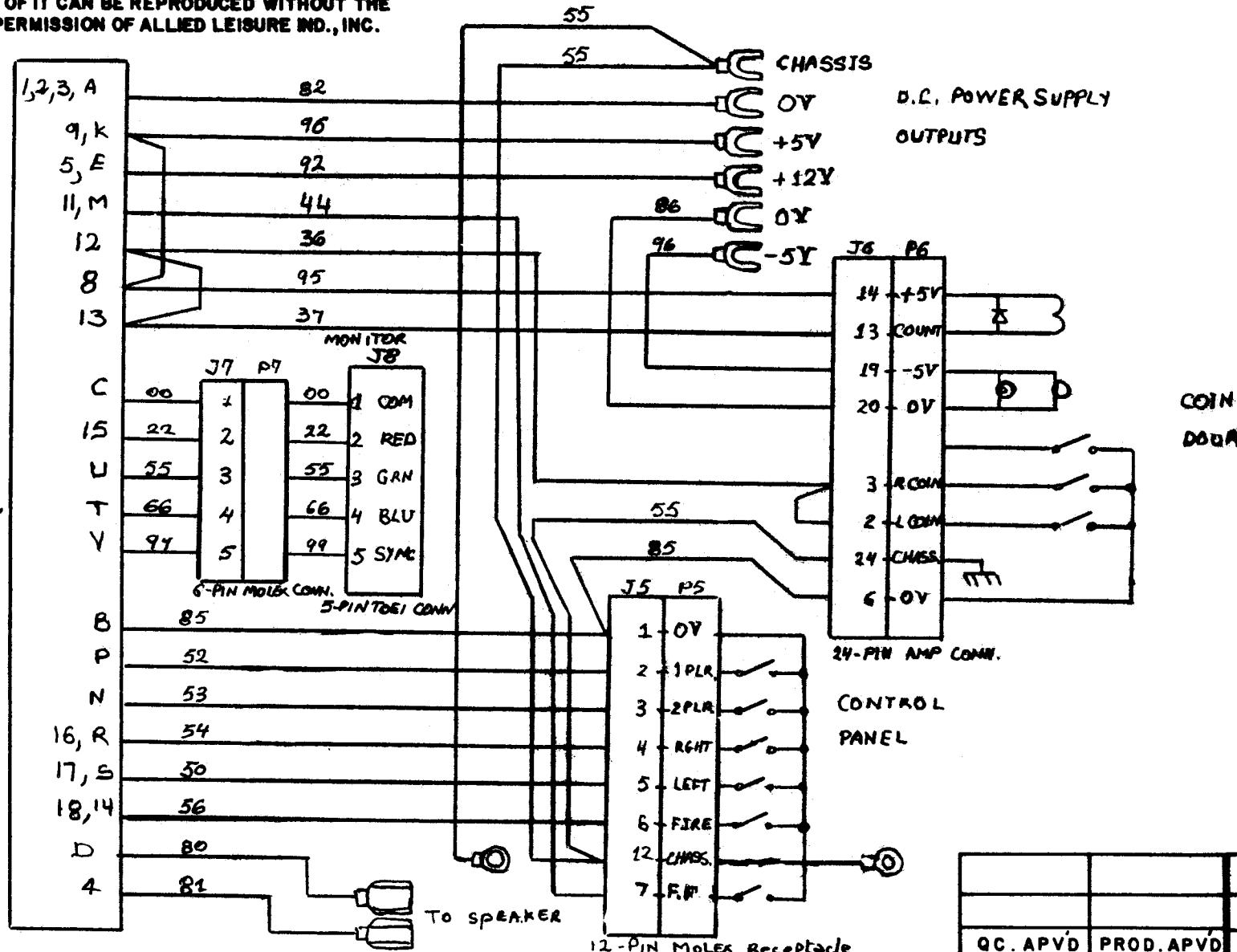
REV.

REV.
LET:
N

REVISION

BY

CPU
EDGE CONN.



12-PIN MOLEX Receptacle

TOLERANCES

Unless Otherwise Specified

| | |
|---------------|-----------------|
| FRACTIONS | $\pm 1/32$ |
| DECIMALS 2 PL | $\pm .018$ |
| DECIMALS 3 PL | $\pm .008$ |
| HOLDS | $\pm .003$ |
| ANGLES | $\pm 1/2^\circ$ |
| SHT. NETBENDS | $\pm 2^\circ$ |

ALLIED LEISURE INDUSTRIES, INC.

HIALEAH, FLORIDA 33014

NAME

CPU HARNESS INTERCONNECT DIAGRAM

MATL'S.

HEAT TREAT.

FINISH

OWN.

APP'D.

DATE

SCALE

PART NO.
364-10-1000

REV.

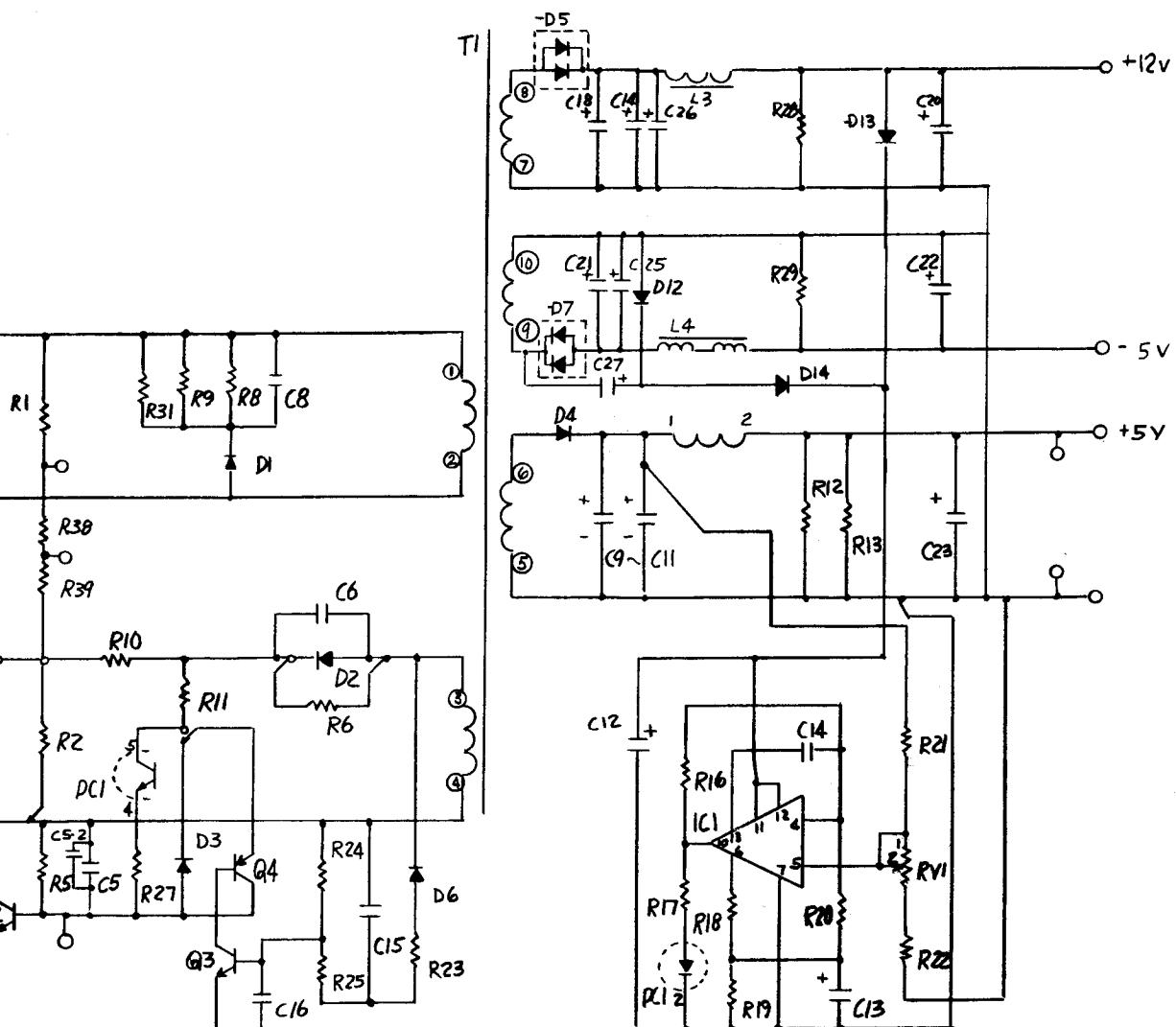
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LET.: ECN
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REVISION

BY

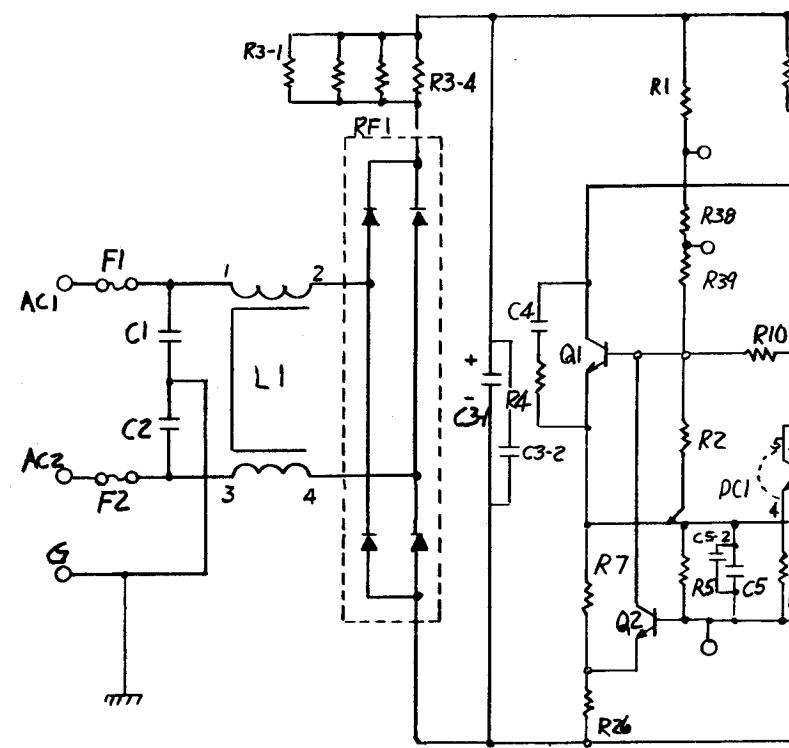
REVISIONS

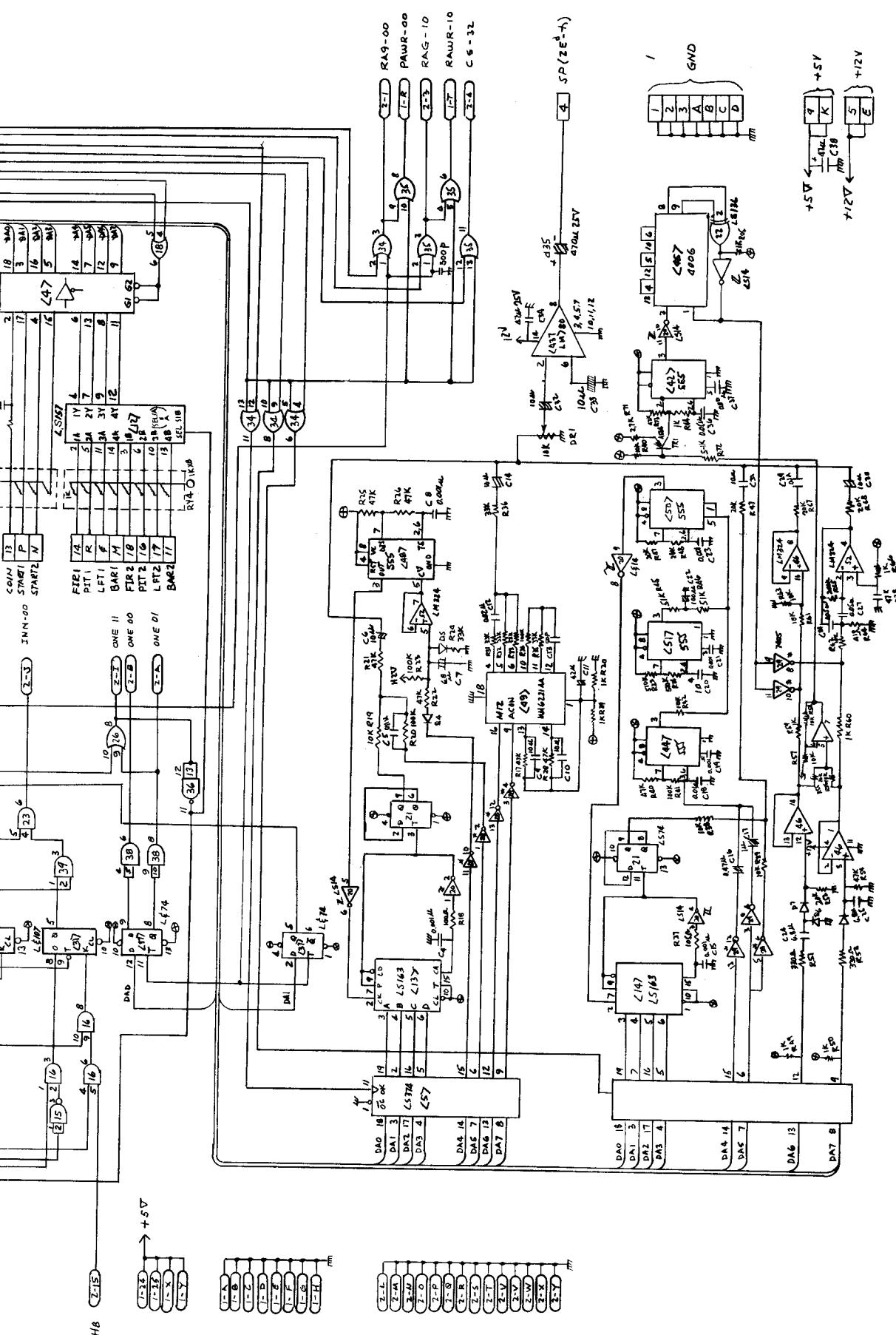
| REV. LETTER | ITEM NO. | ECN NO. | DESCRIPTION | DISPOSITION OF EXISTING PARTS | ENGR'G APP'D |
|----------------|-------------|------------|-------------|-------------------------------------|-----------------|
| RE- WORK | SCRAP | | | | |



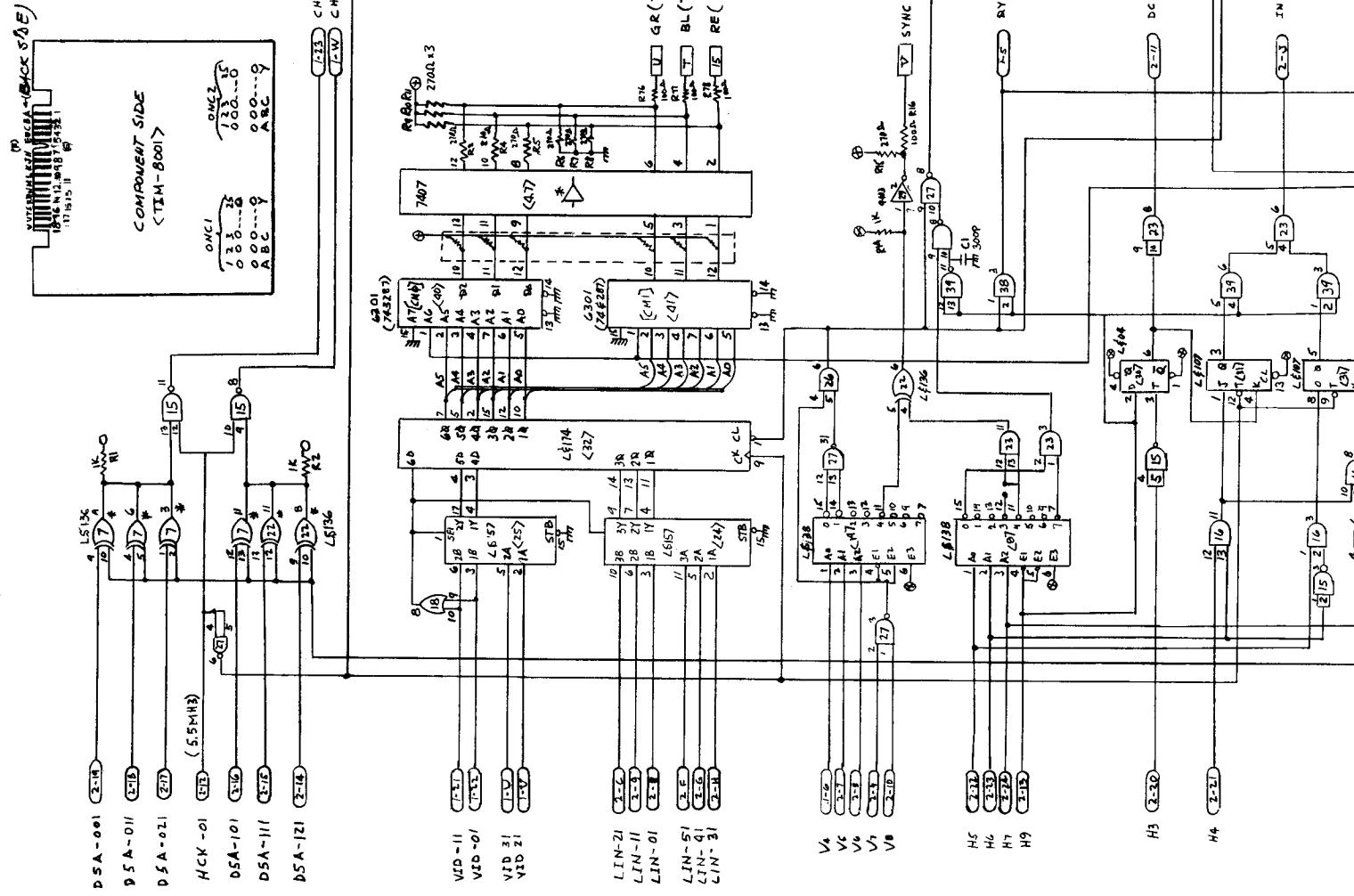
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | | | CENTURI, INC. 1780 W. 4th AVENUE HIALEAH, FLORIDA 33010 | | | |
|--|-----|-------|---------|--|-------------|------|--|
| FRACTIONS | ± | 1/32 | | TITLE: SHINDENGEN POWER SUPPLY SCHEMATIC | | | |
| DECIMALS | ± | .03 | | | | | |
| DECIMALS | ± | .010 | | | | | |
| HOLDS | ± | .002 | | | | | |
| ANGLES | ± | 1/2° | | | | | |
| DWN | AAN | APP'D | DATE | SCALE | DWG NO. | REV. | |
| | | 09/ | 1-14-81 | 2 | 363-17-0300 | | |

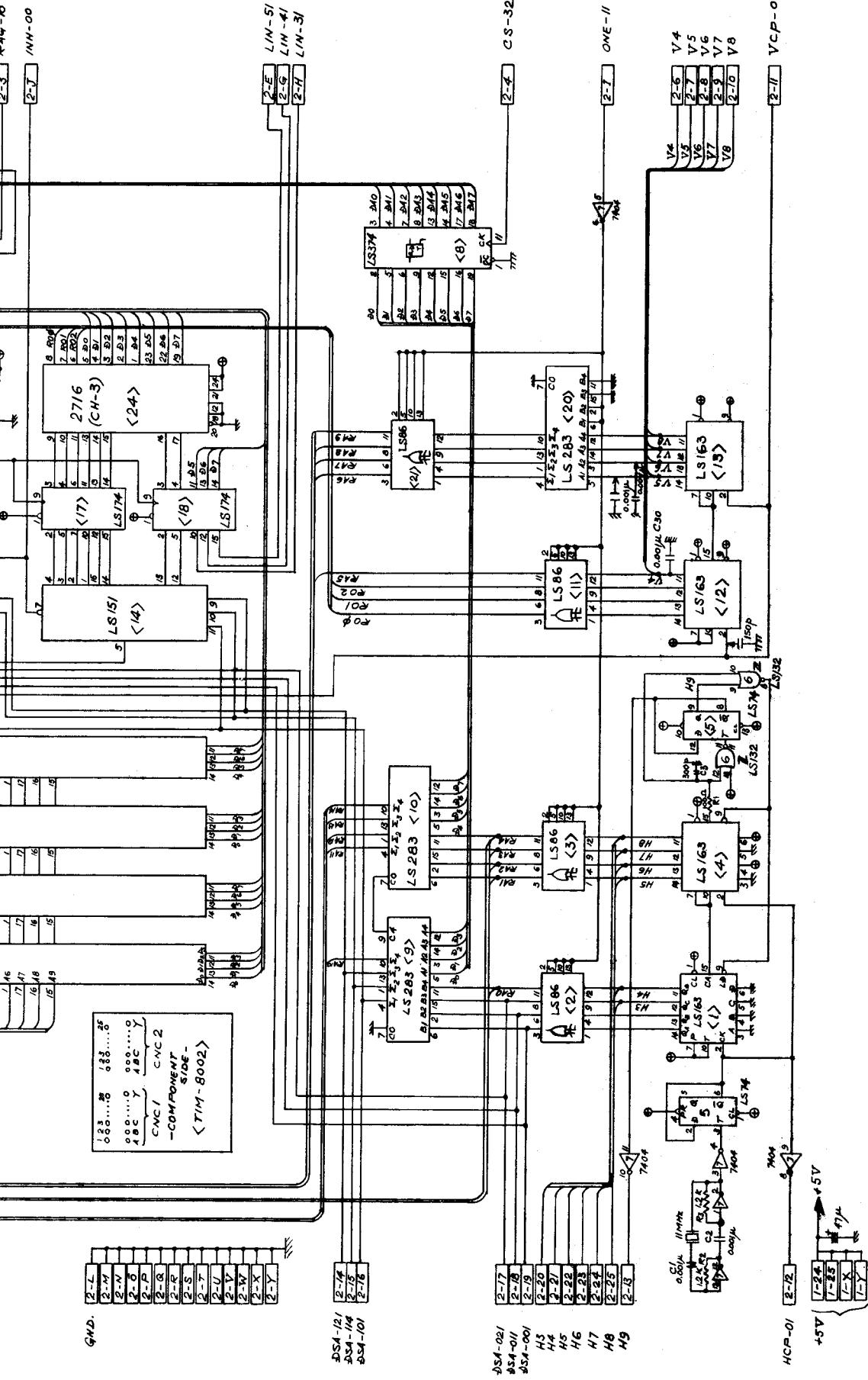
NEXT ASSEMBLY



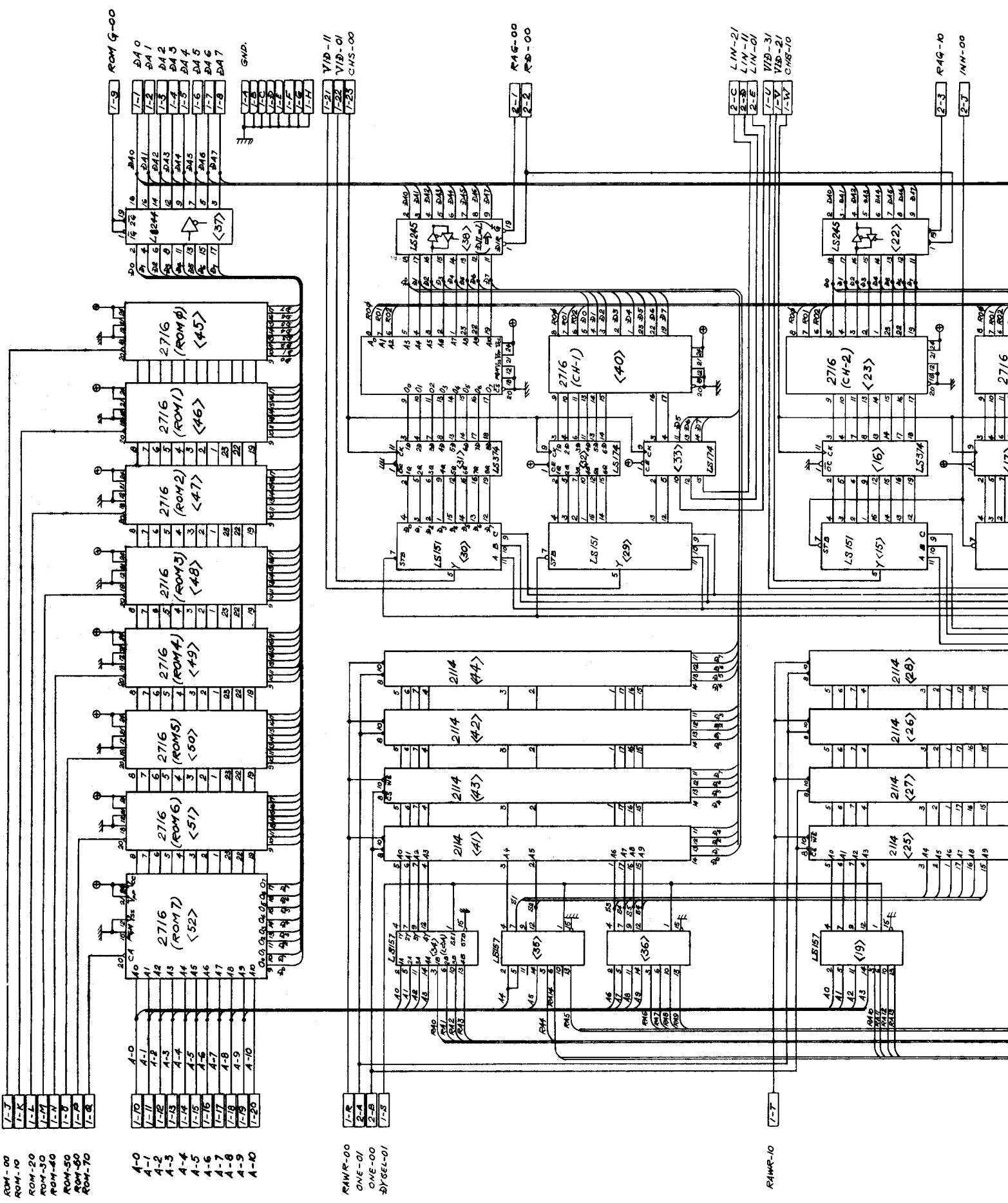


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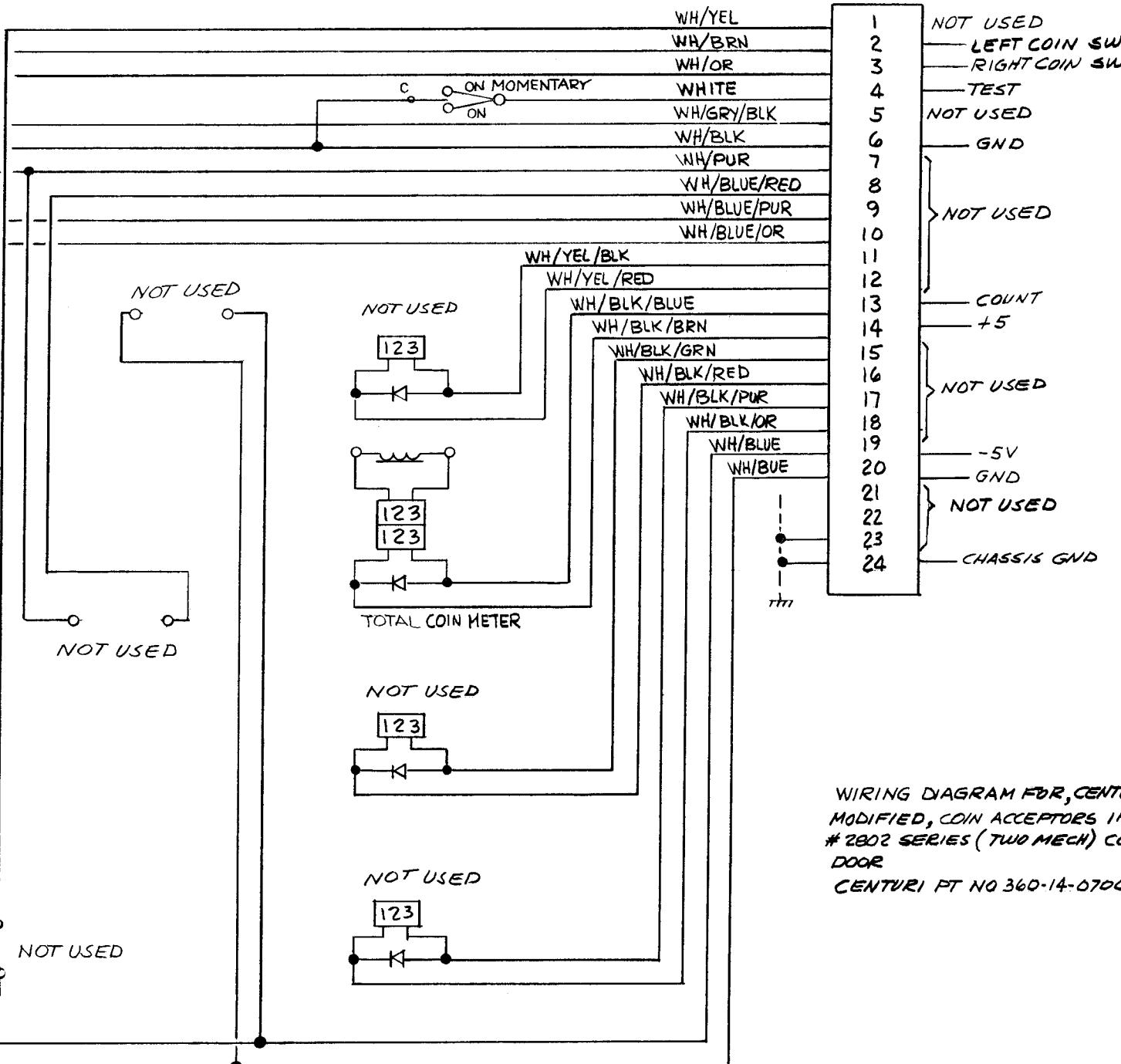


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185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
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REVISIONS

| REV. LETTER | ITEM NO. | ECN NO. | DESCRIPTION | DISPOSITION OF EXISTING PARTS | RE- WORK | SCRAP | ENGRG APP'D |
|----------------|-------------|------------|-------------|-------------------------------------|-------------|-------|----------------|
|----------------|-------------|------------|-------------|-------------------------------------|-------------|-------|----------------|



| TOLERANCES | | | | CENTURI, INC. | | | |
|----------------------------|--------|----------|--------|---|---------------|-----------------|------------------------|
| UNLESS OTHERWISE SPECIFIED | | | | 1780 W. 4th AVENUE HIALEAH, FLORIDA 33010 | | | |
| FRACTIONS | ± 1/32 | DECIMALS | ± .03 | | | | |
| | | | | | | | |
| DECIMALS | ± .010 | HOLDS | ± .002 | | | | |
| | | | | | | | |
| ANGLES | ± 1/2° | | | | | | |
| NEXT ASSEMBLY | | | | TITLE: COIN DOOR WIRING DIAGRAM | DWN A.A.N. | APP'D C.R.L. | DATE 1-22-81 |
| | | | | | | | SCALE 2 |
| | | | | | | | DWG NO. 364-62-1000 |
| | | | | | | | REV. |

