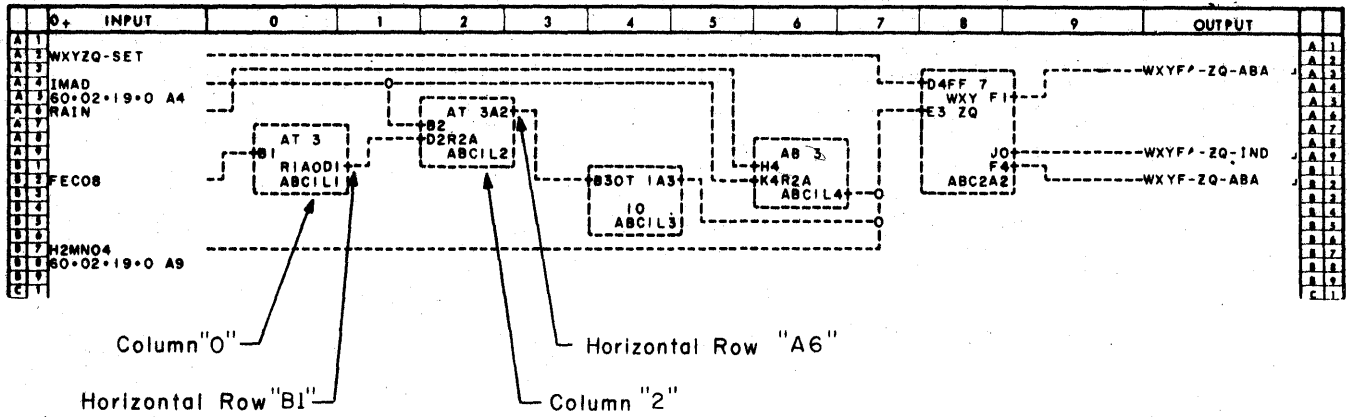


LOGIC SCHEMATIC



(A)

U 2	U 4	U 6	U 8	INPUT	0	1	2	3	4	5	6	7	8	9	OUTPUT	U 2	U 4	U 6	U 8				
				TITLE CHANNEL ONE READ AND PARITY COUNT H- 12345678AA																BURROUGHS CORPORATION ELECTRODATA DIV. PASADENA, CALIFORNIA <small>PROPERTY OF BURROUGHS CORPORATION... NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES, EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>			
				DRAWN BY E.M.TELLER CHECKED BY L.KALESKY 6-3-60																			
				UNIT NAME HIGH SPEED READER UNIT NO. 13265771																			
				SYSTEM MICH. PROCESSING SYSTEM PAGE NO 60.01.32.0																			

Logic Schematic Page No.

(B)

TRANSCRIPTION FORM
CIRCUIT LIST

Burroughs Corporation																												<small>ELECTRODATA & E DIVISION PASADENA CALIFORNIA</small>											
CIRCUIT NO	CIRCUIT CONT NO	FROM			TO			GROUPS 1 & 2		WIRE SEQ NO	WIRE SIZE AND TYPE	LENGTH OF WIRE	ADDED INFORMATION	STATUS	MATERIAL	ROTATION	CONTROL	FORCE																					
		LOCATION	ELEMENT TYPE	Z	LOCATION	ELEMENT TYPE	Z	PIVOT 1	PIVOT 2																														
																										OTHER GROUPS													
																										SHIELD WIRE													
																										FROM PIN													
																										TO PIN													

(C)

FIGURE 5.7-2. DETERMINATION AND TRANSCRIPTION OF THE ORIGIN OF SINGLE CIRCUIT

CHARACTER
POSITIONS
EXPLANATION

15 ⇒ 20

Location (FROM)

The location of an Element is depicted in character positions 3 thru 6 on the bottom row of an element box, Figure 5.7-4, and is comprised of the Rack (3), Panel (4), Connector Block Row (5) and Connector Block Column (6). The 'From' or 'To' pin designations are depicted in character positions 1 and 2 for a line entering an element box or character positions 7 and 8 for a line leaving an element box. Figure 5.7-5 gives examples of the above.

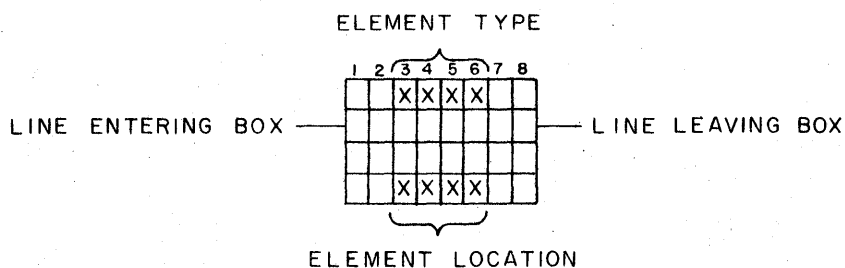


FIGURE 5.7-4. ELEMENT LOCATION AND TYPE DESIGNATION

21 ⇒ 24

Element Type (FROM)

The Element Type is depicted in character positions 3 thru 6 on the top row of an element box (Figure 5.7-4). The Element Type transcription for 'From' pins appears in Vertical Columns 21 thru 24 and for 'To' pins, in Vertical Columns 32 thru 35, (Figure 5.7-5B). These character positions contain abbreviations which indicate the type of elements connected together. Most of the abbreviations may be found in the Design Automation Element representation book. The following list contains additional abbreviations that may appear in these columns:

P	Plug
J	Jack
TB or Y	Terminal Bd.
C	Capacitor (also used as connector)
DS	Buzzer or bell
HS	Heat Sink
L	Choke
M	Meter
NE	Neon

CHARACTER
POSITIONS
EXPLANATION

25

"Z" (FROM)

The 'Z' Level (Figure 5.7-6) depicts the physical location of the wire wrap on a connector block pin. Two wire wraps are permitted to one pin. The 'Z' Level is applicable to Back Plane wires only. Vertical Character Position 25 is used to designate the 'From' pin 'Z' Level, and Vertical Character Position 36 is used to designate the 'To' pin 'Z' Level. The ground strip pins are allowed one (1) wrap only; the level is assigned as Z1 automatically.

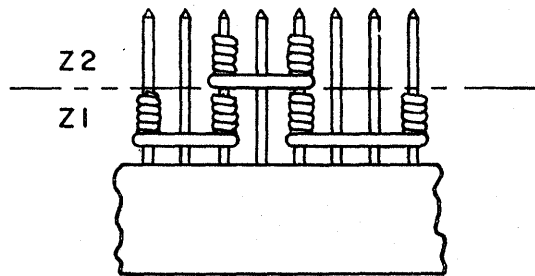


FIGURE 5.7-6. 'Z' LEVELS

26 ⇒ 31

Same as 15 ⇒ 20 except this is the "TO" location.

32 ⇒ 35

Same as 21 ⇒ 24 except this is the "TO" location.

37

Group

Group denotes the type of connection and method of wiring used. Five Groups exist. The character used to denote the Group is transcribed into Vertical Column 37.

The five Groups refer to connections as defined below:

- (0) Between two pins not on a wire wrap frame.
- (1) Between two pins on the same wire wrap frame (machine installation).
- (2) Between two pins on the same wire wrap frame (manual installation).
- (3) Between two pins on the same frame non-wire wrap connection such as current loops, etc.

71

Status

<u>STATUS CODE</u>	<u>NAME</u>	<u>DESCRIPTION</u>
1	Wire	Physically remove this wire from the equipment. (Also delete from C/L).
4	Wire Add	Physically add this wire to the equipment. (Also add to C/L).
5	Clerical	Delete this wire <u>from the C/L only</u> . This change does <u>not</u> affect the wiring in any way.
6	Access Wire	This wire must be removed with the deletes and added with the adds to facilitate adding or deleting a wire underneath it.
8	Clerical Add	Add this wire to the C/L <u>only</u> . This code will always have a matching wire listed under code 5.

72

Pattern

Gardner Denver Wire Wrap Patterns for wires.

73

Garnder Denver Wire Wrap Routing for wires.

74

Control

- a. A "blank" denotes that the wire is under Schematic Control.
- b. A "P" denotes that the wire is under Project control. A "P" must be carried on all wires whose pins are not on the schematic and may be carried on other schematic wires.
- c. An "H" denotes a wire produced by the Program whose front pin is obtained not from the schematic but from a "TO" pin of a project control wire.

75

Force

The letter "F" appearing in column 75 indicates that a wire has been rerouted because the routing assigned automatically is unacceptable.

76 ⇒ 80

Undefined.