

IBM Field Engineering
Diagram Manual

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2250 Display Unit Model 2

2840 Control Unit

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PREFACE

This manual consists entirely of diagrams that supplement the instruction manual and provide reference data for trouble analysis.

Companion and prerequisite manuals are as follows:

1. Theory of Operation, 2250 Display Unit Model 2 and 2840 Control Unit, Form Z27-2068-1.
2. Maintenance Manual, 2250 Display Unit Model 2 and 2840 Control Unit, Form Z27-2070-1.

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Product Publications, Dept. 526, CPO Box 120, Kingston, N. Y., 12401
Address comments concerning the manual to this address.

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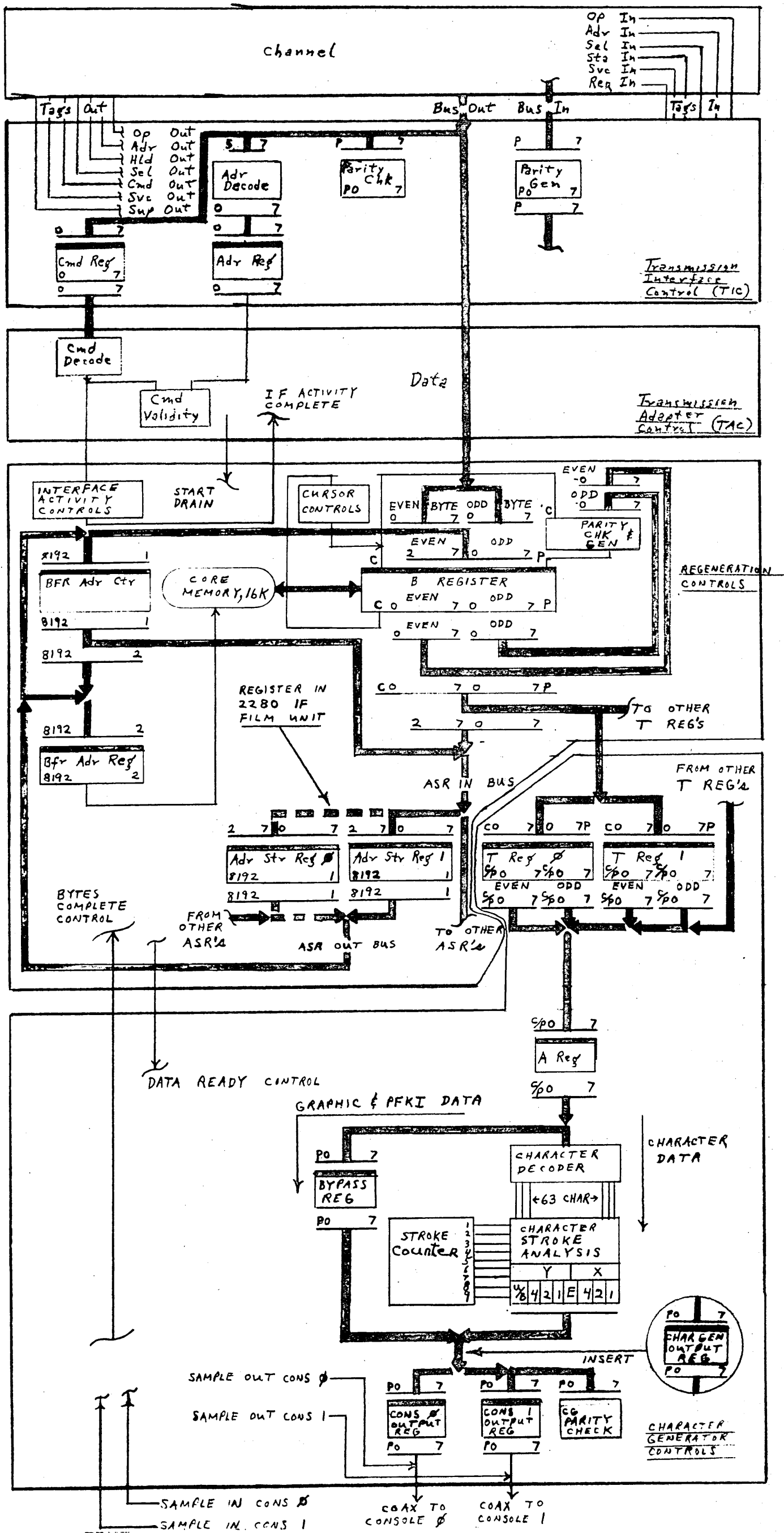
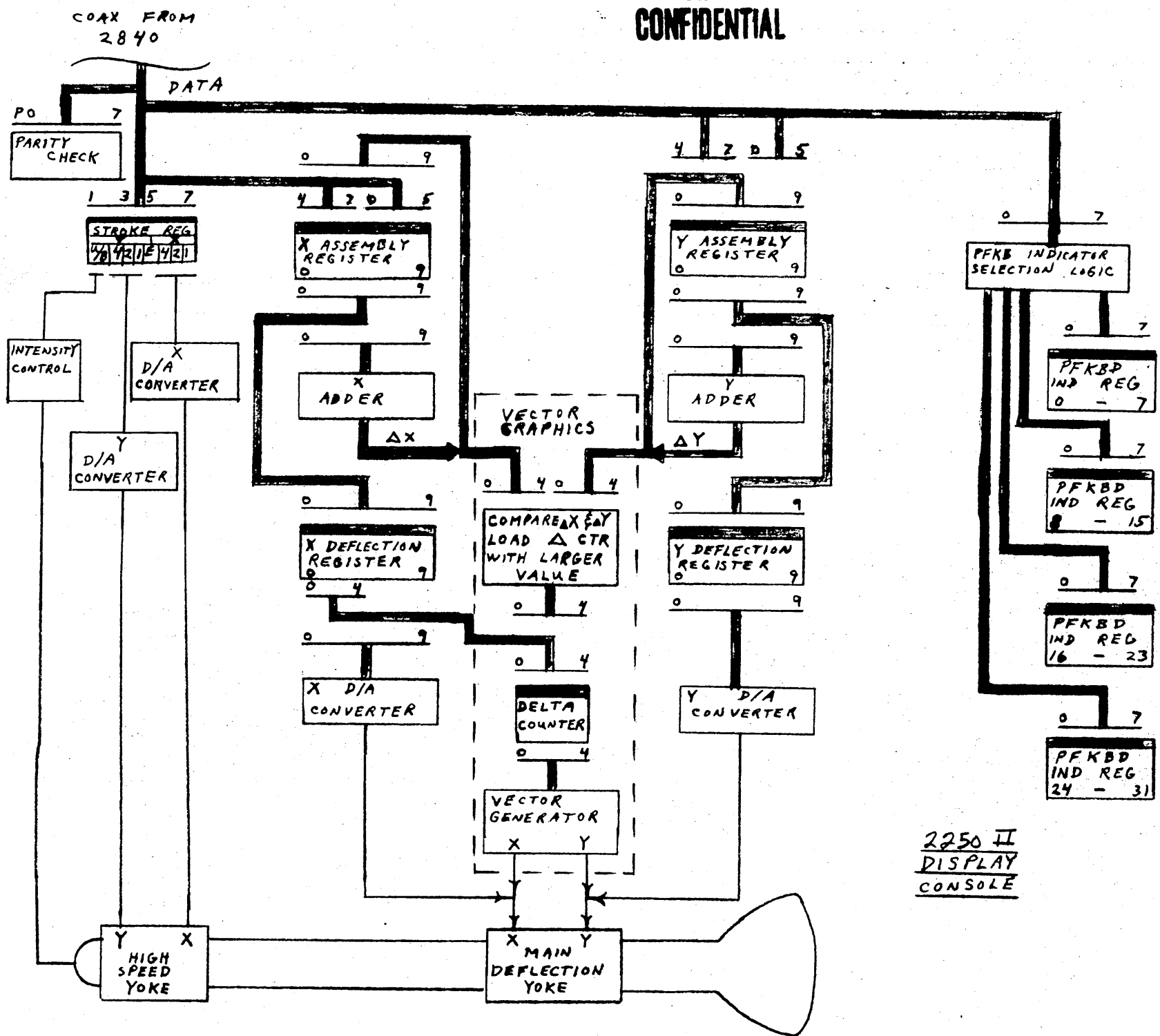


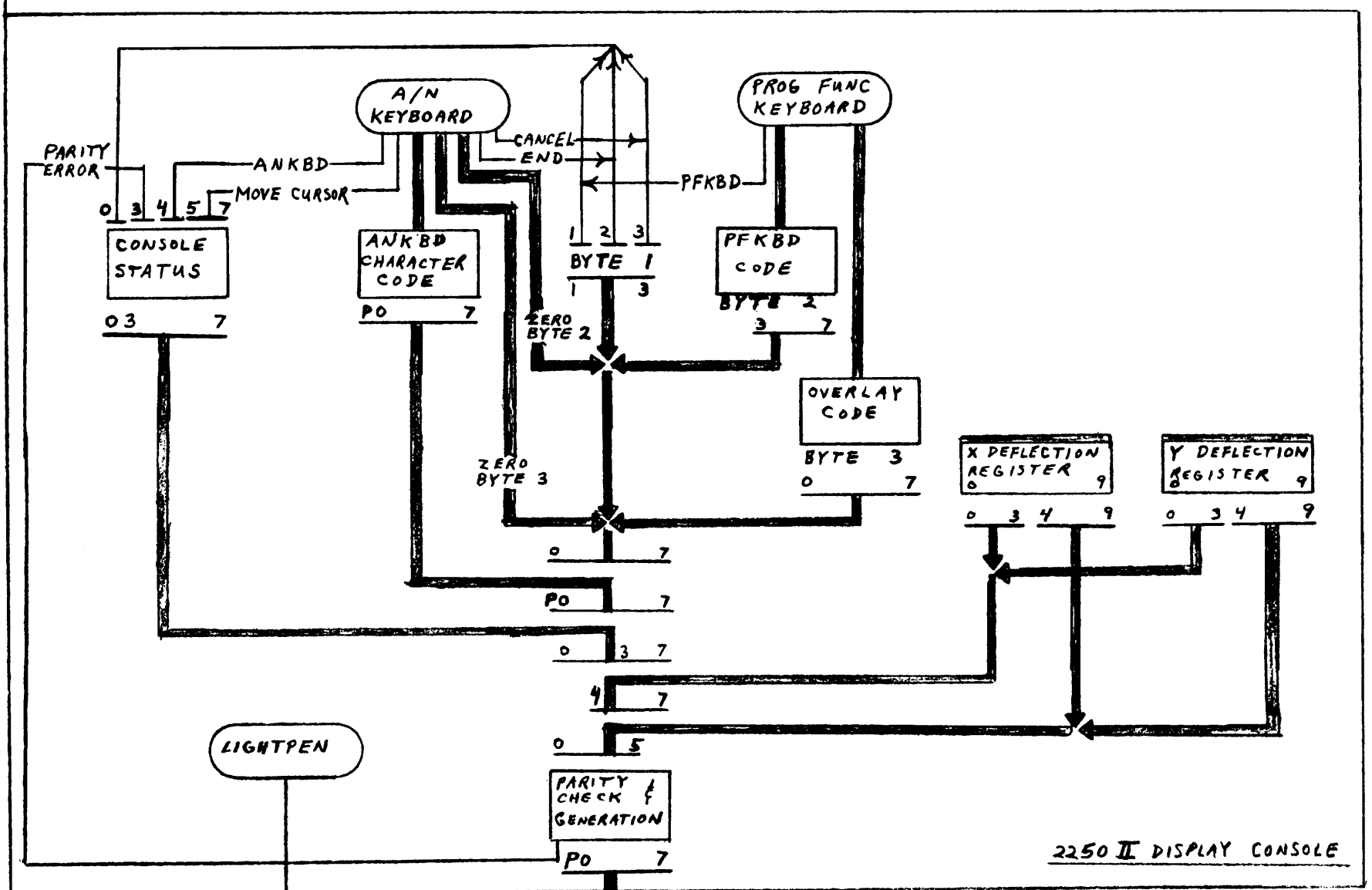
Figure UDC1. 2840 to 2250-2 Data Flow (Sheet 1 of 2)

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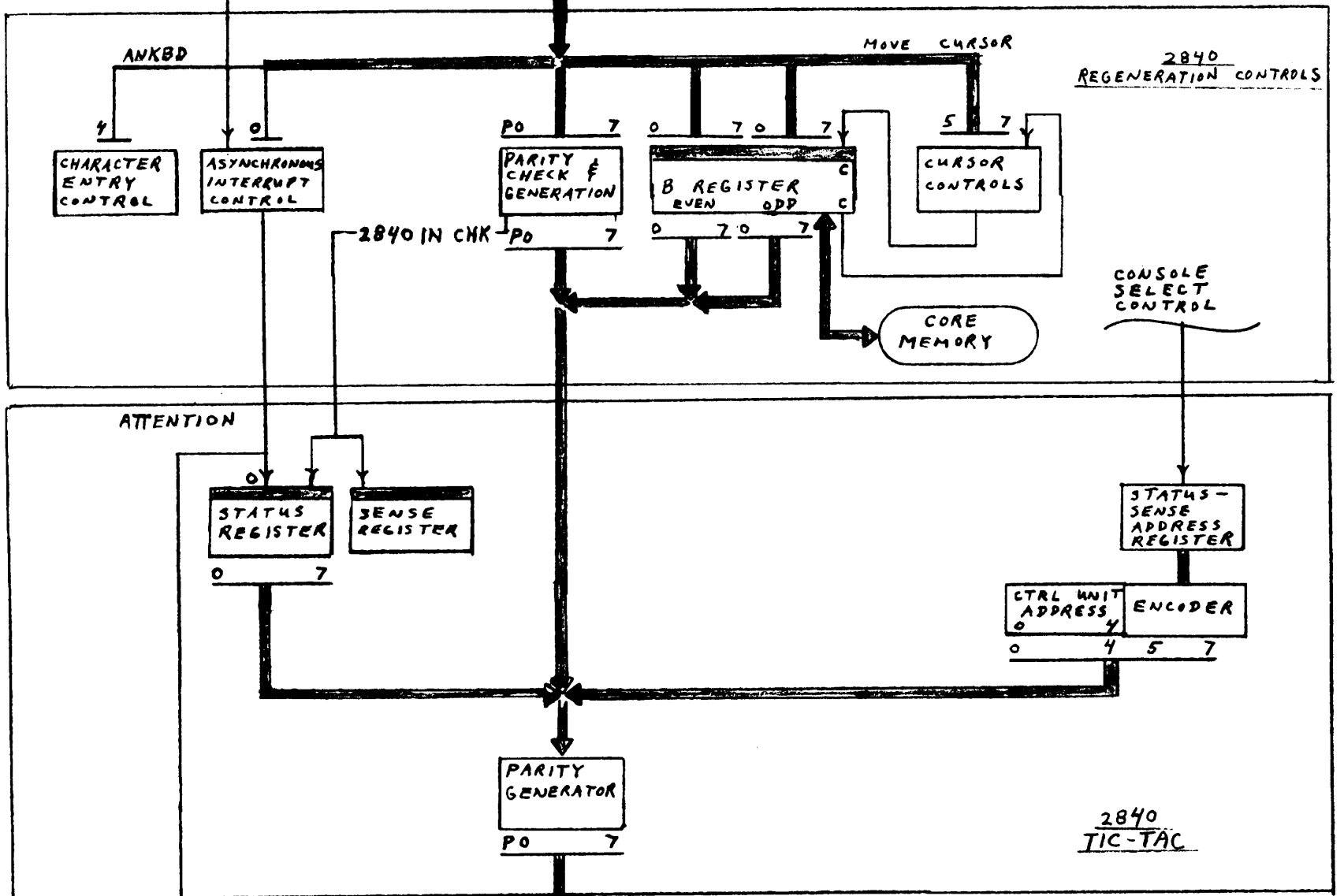
2250 II
DISPLAY
CONSOLE

Figure UDC-1. 2840 to 2250-2 Data Flow (Sheet 2 of 2)



2250 II DISPLAY CONSOLE

COAX TO 2840

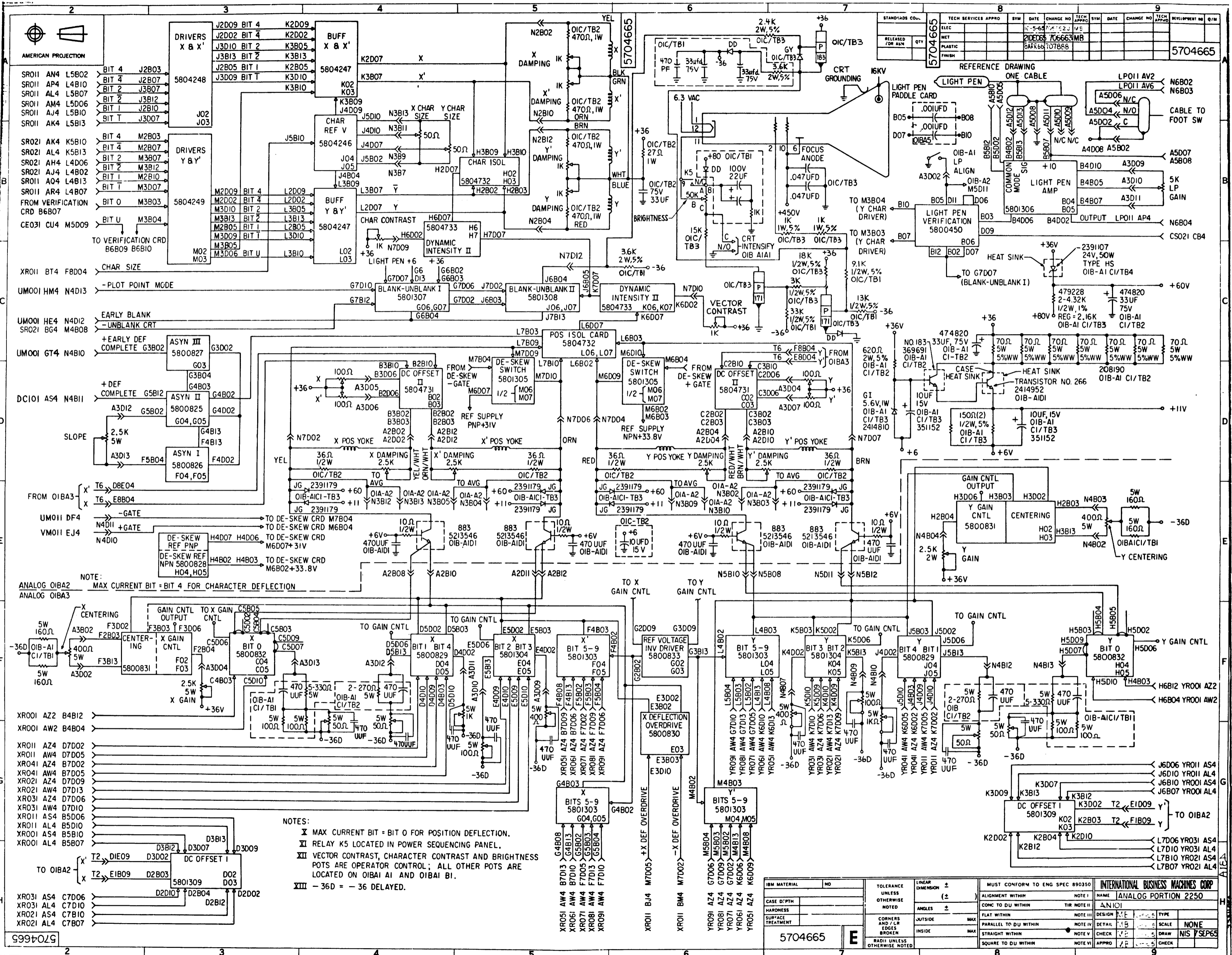


2840
TIC-TAC

REQUEST IN
TAG TO CHANNEL

BUS IN TO CHANNEL

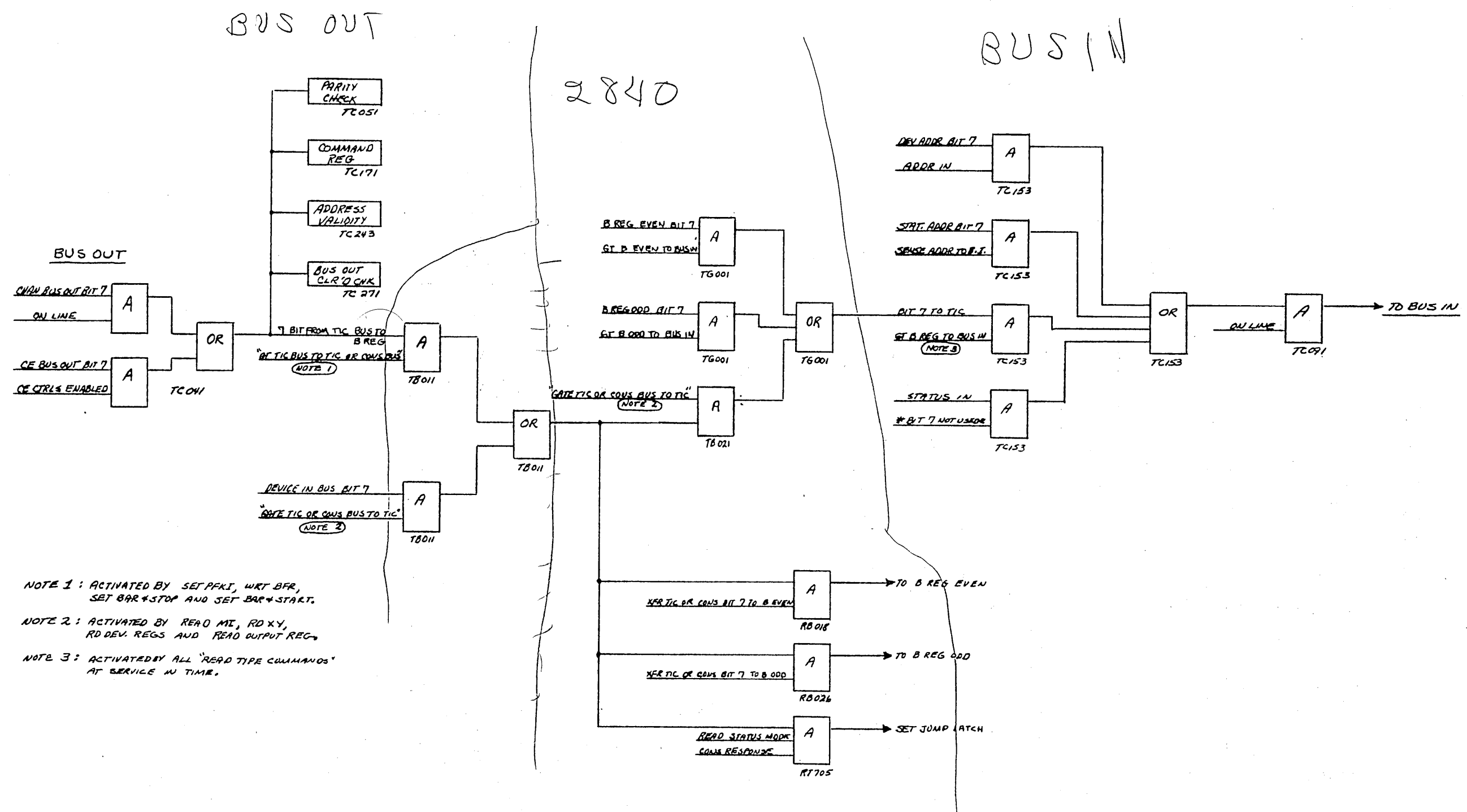
Figure UDC-2. 2250-2 to 2840 Data Flow



NOTES:
 I MAX CURRENT BIT = BIT 0 FOR POSITION DEFLECTION.
 II RELAY K5 LOCATED IN POWER SEQUENCING PANEL.
 III VECTOR CONTRAST, CHARACTER CONTRAST AND BRIGHTNESS POTS ARE OPERATOR CONTROL; ALL OTHER POTS ARE LOCATED ON OIBAI AI AND OIBAI BI.
 XIII - 36D = - 36 DELAYED.

IBM MATERIAL		TOLERANCE UNLESS OTHERWISE NOTED		LINEAR DIMENSION ±		MUST CONFORM TO ENG SPEC 890350		INTERNATIONAL BUSINESS MACHINES CORP	
CASE DPTH	HARDNESS	ANGLE ±	OUTSIDE	INSIDE	ALIGNMENT WITHIN	CONC TO DU WITHIN	TIR NOTE II	NAME	SCALE
			MAX	MAX	NOTE I			ANIOI	NONE
					NOTE III			DESIGN	SCALE
					NOTE IV			CHECK	NIS
					NOTE V			APPRO	TYPE
					NOTE VI			APPRO	CHECK

Figure UDC3. Analog Portion, 2250 Model 2



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Figure IOP-1. Bus In and Bus Out Gating

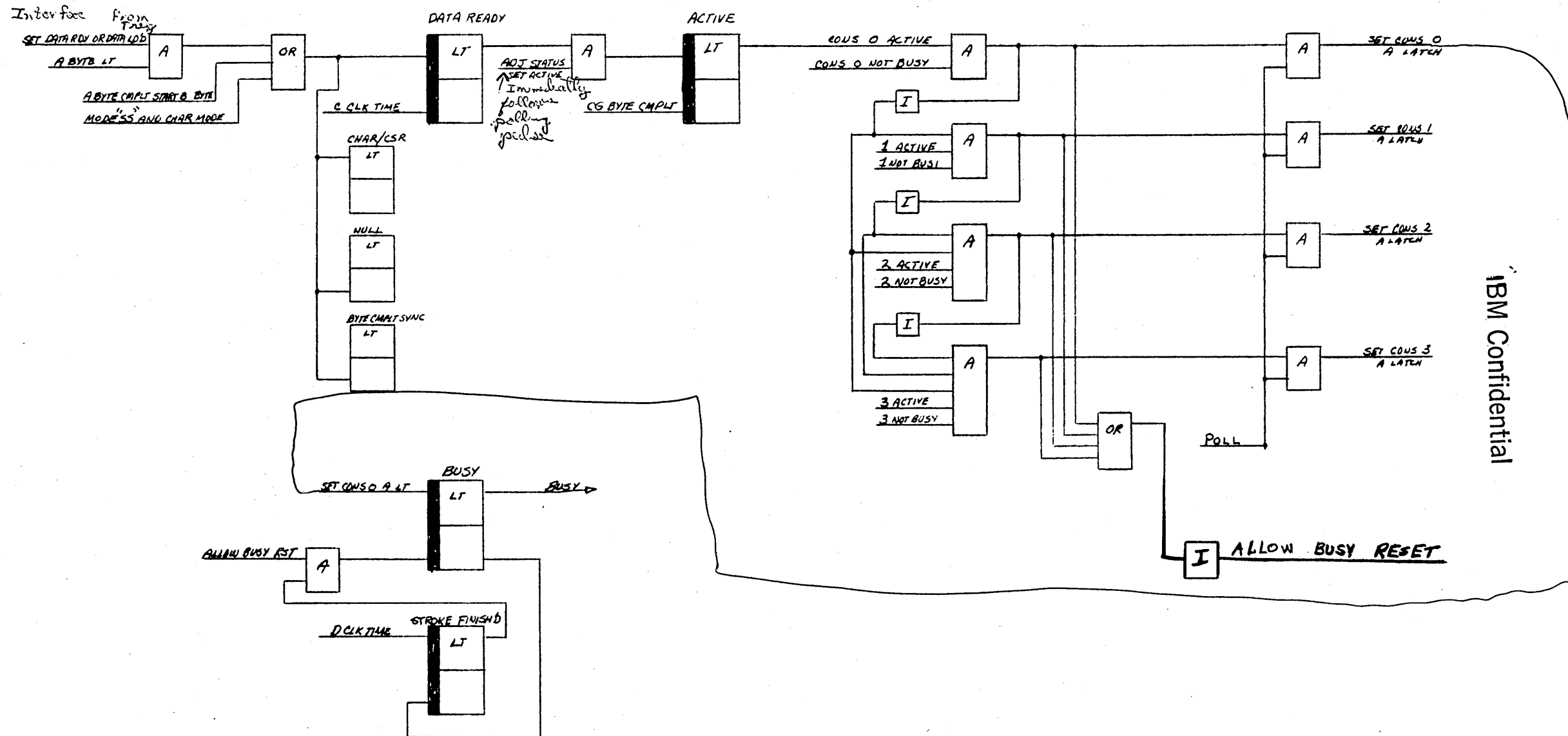
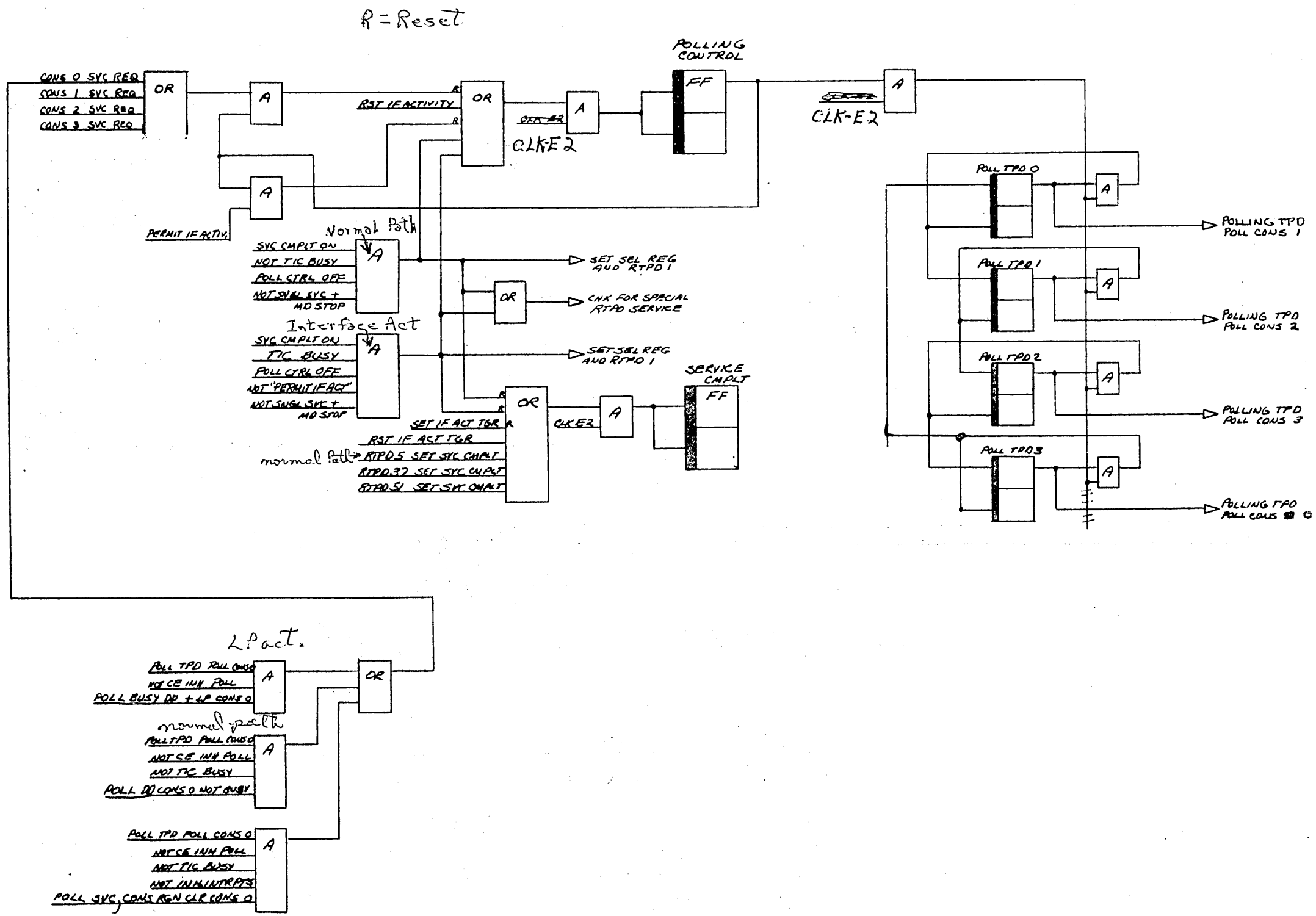
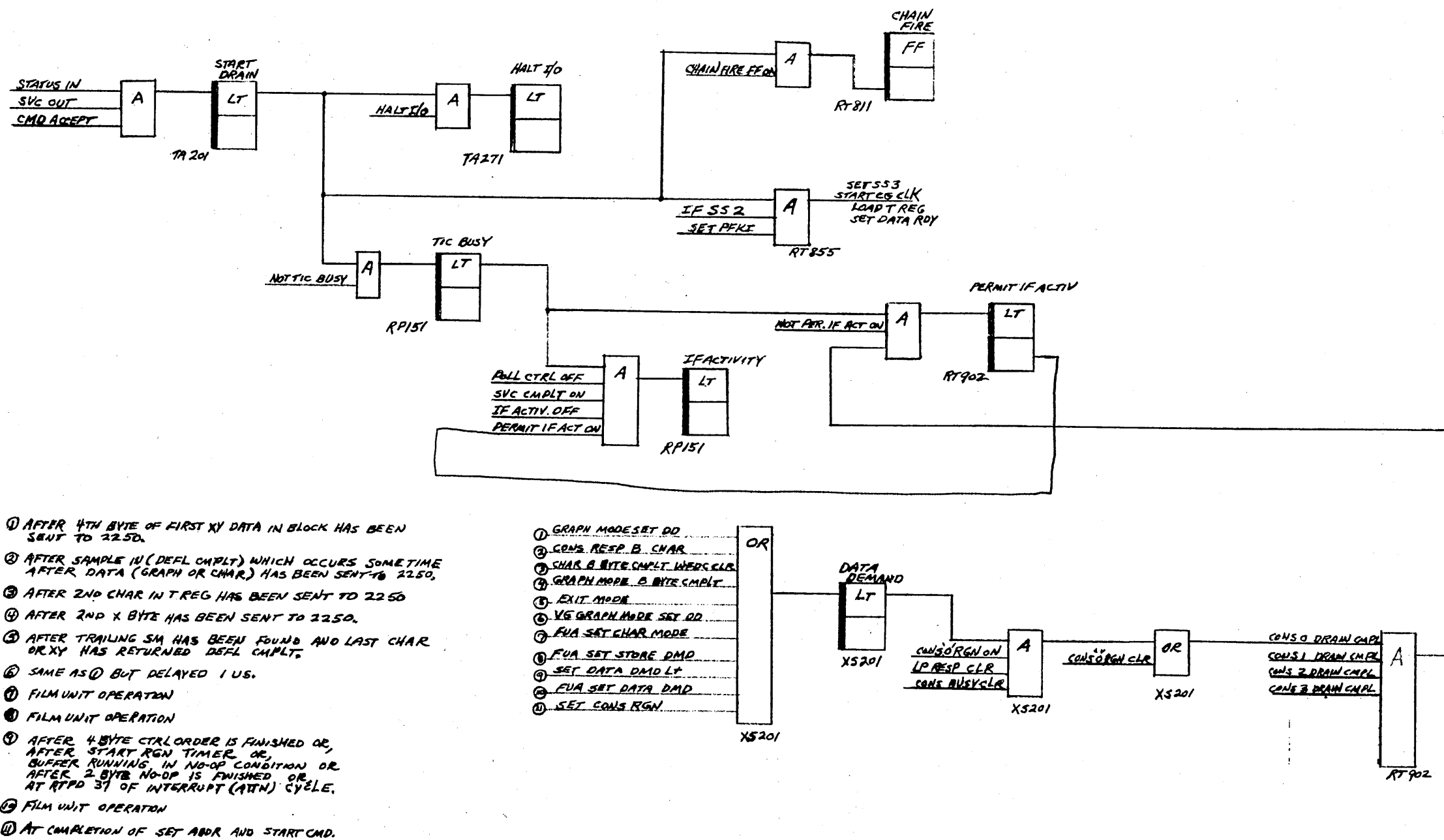


Figure IOP-2. Character Generator Polling



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Figure IOP-3. Buffer Polling



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Figure IOP-4. Drain Operation

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System
Maintenance
Library

System

cut here

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International Business Machines Corporation
Field Engineering Division
112 East Post Road, White Plains, N. Y. 10601