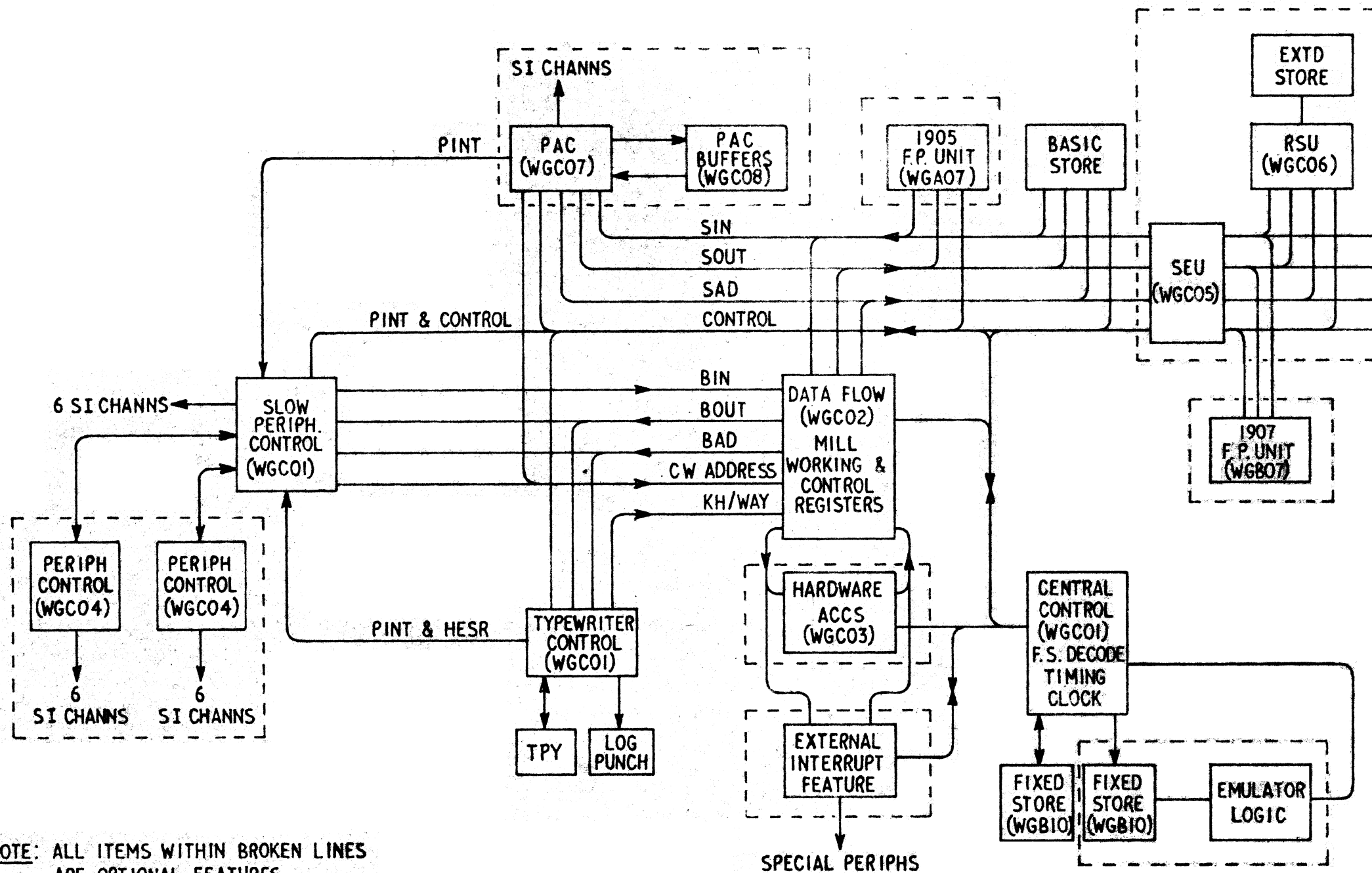
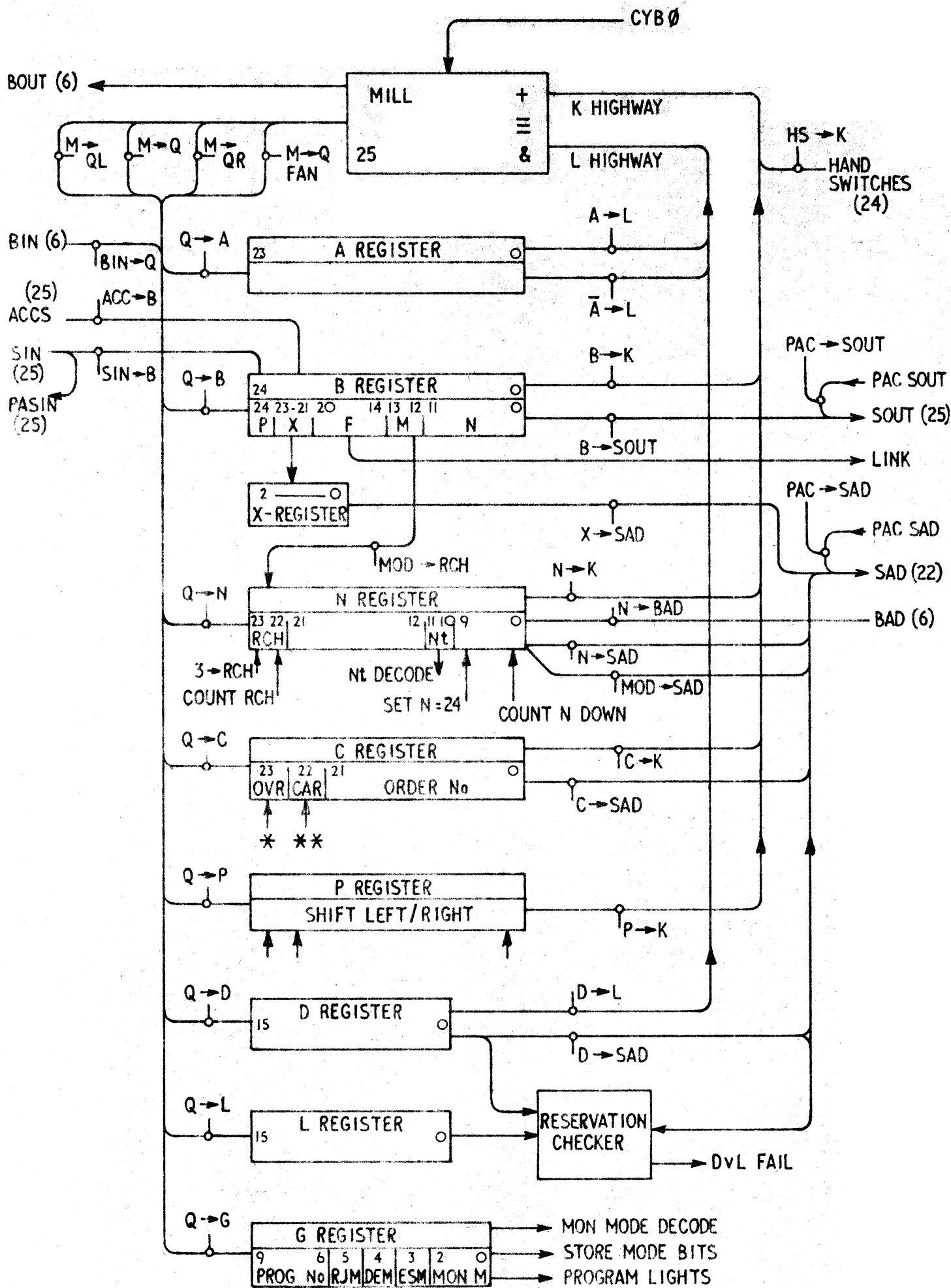


PF281 SYSTEM SCHEMATIC DIAGRAM



NOTE: ALL ITEMS WITHIN BROKEN LINES ARE OPTIONAL FEATURES.

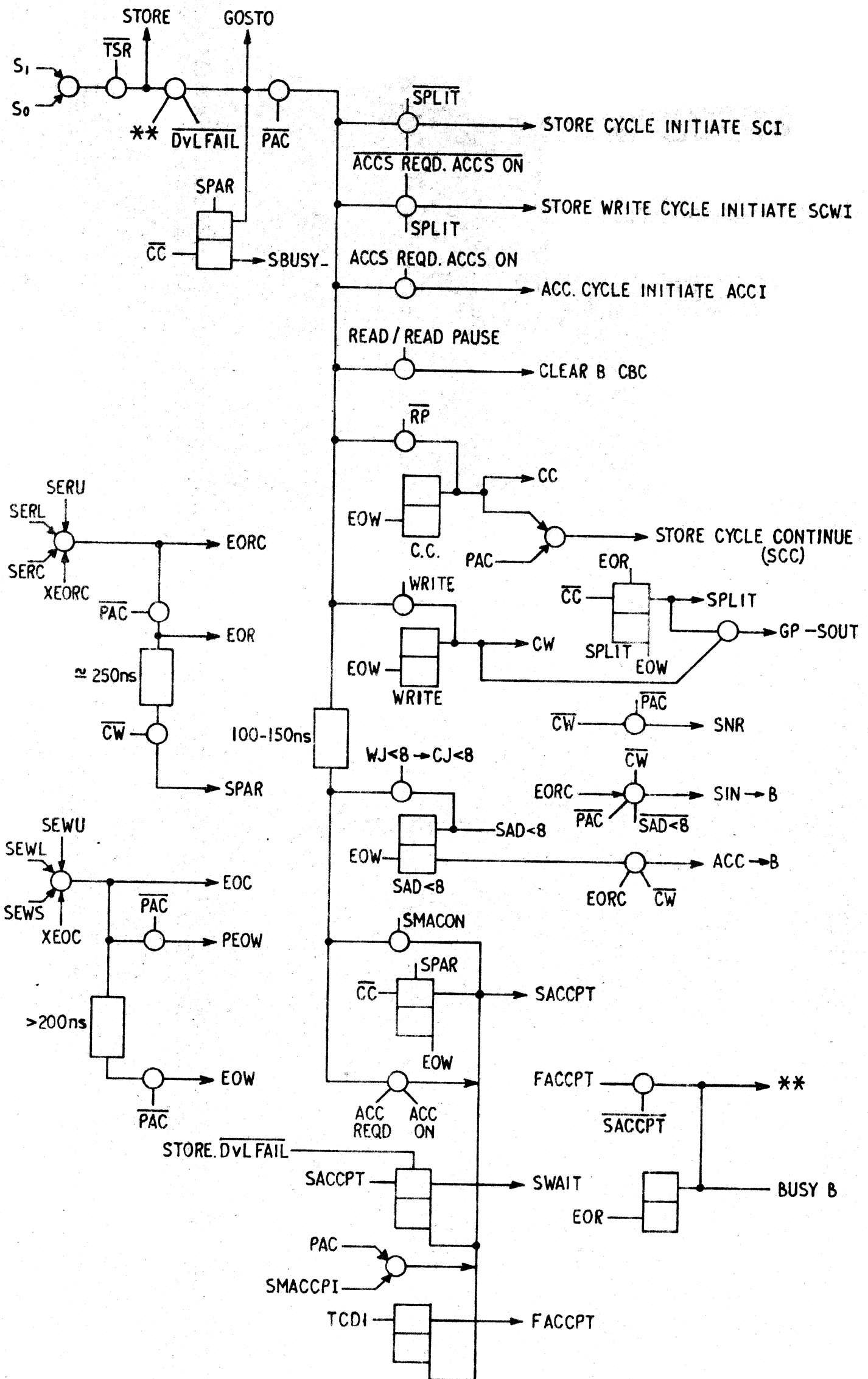
DATA FLOW  
DOOR 1



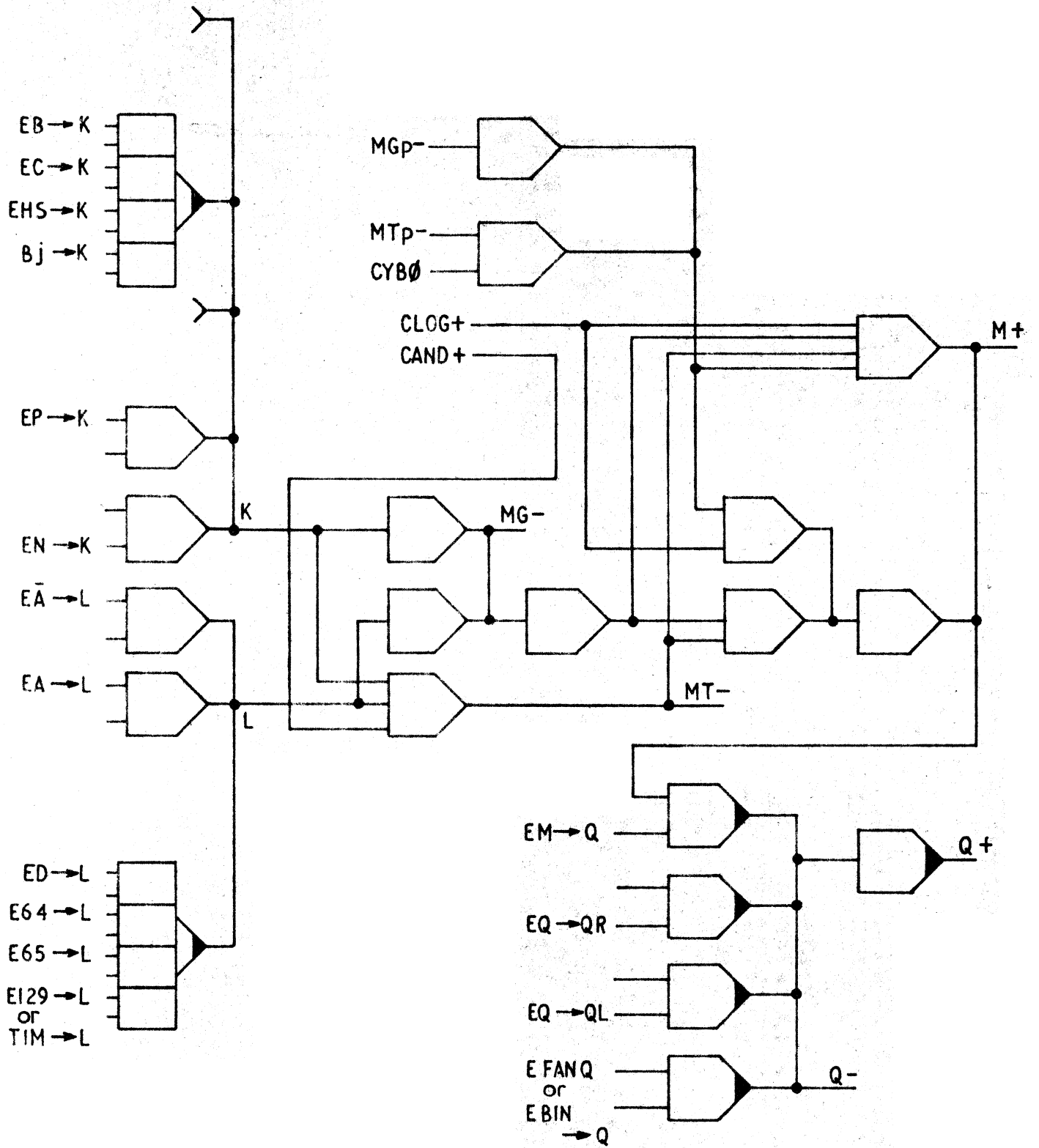
\* N9, C23, M23 ≠ M24 → C23

\*\* M0, M23, M24, M CAR24 → C22

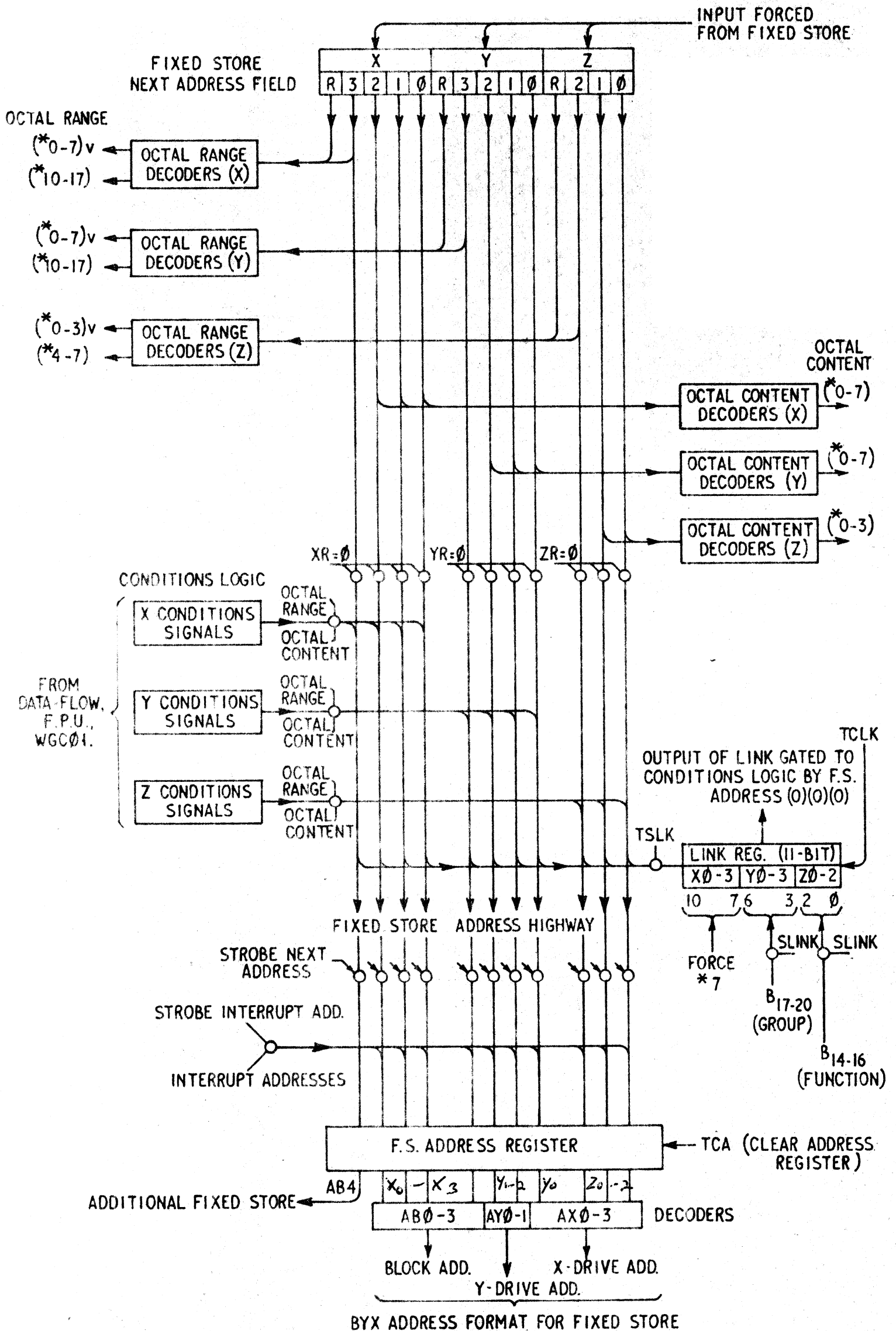
MICRO PROGRAM-CORE STORE CONTROL



TYPICAL MILL-SLICE LOGIC

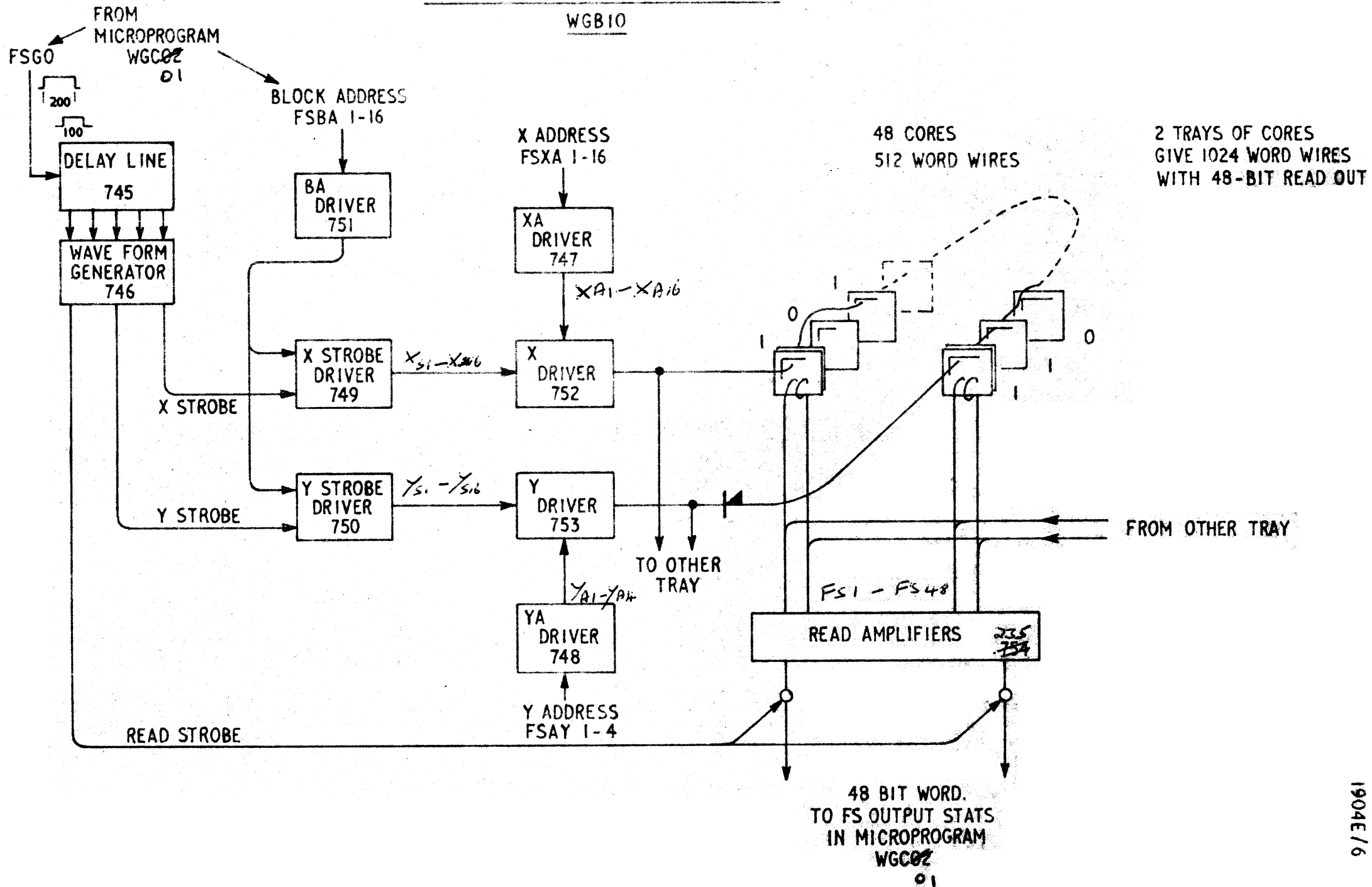


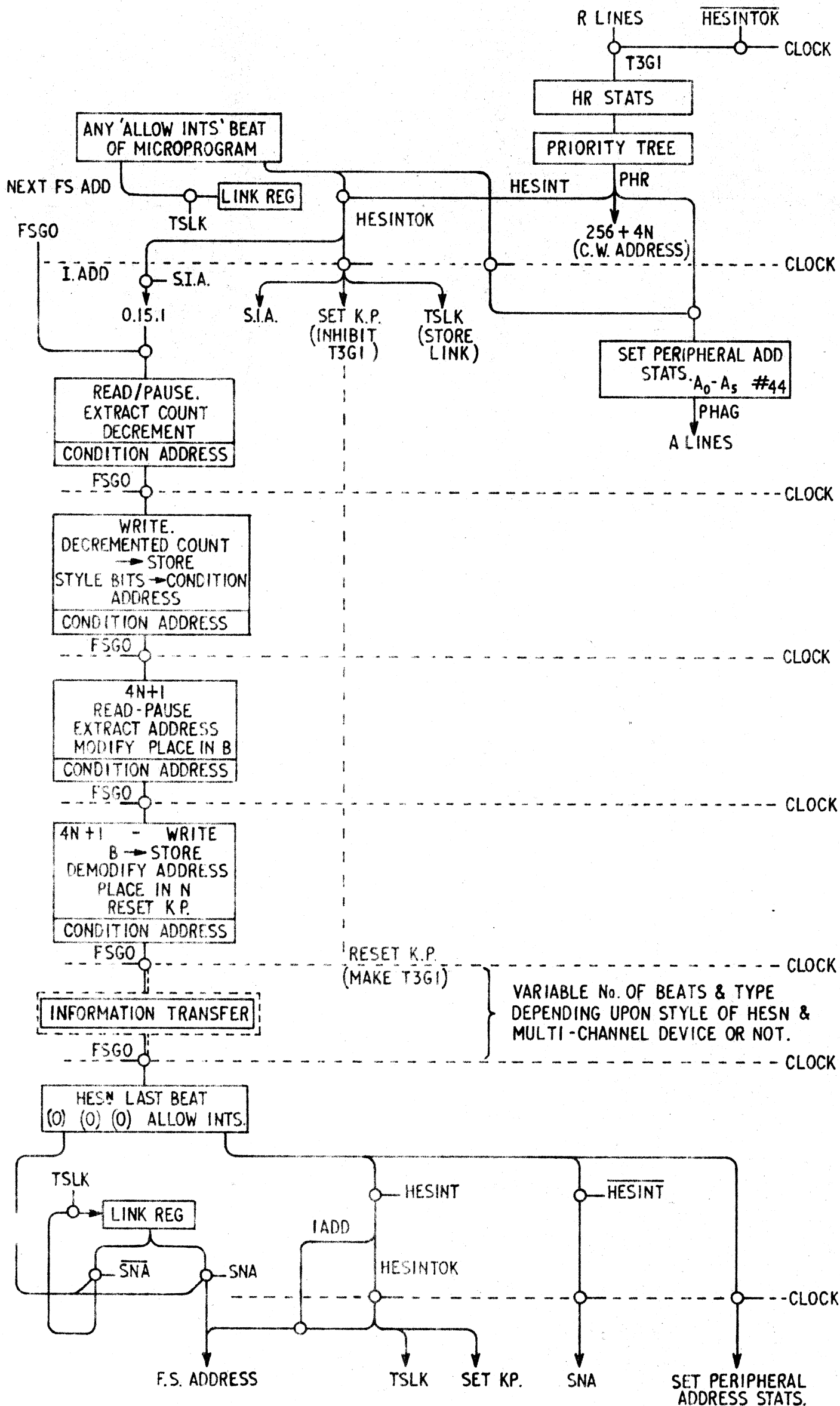
1904E 1905E FIXED STORE ADDRESSING SYSTEM



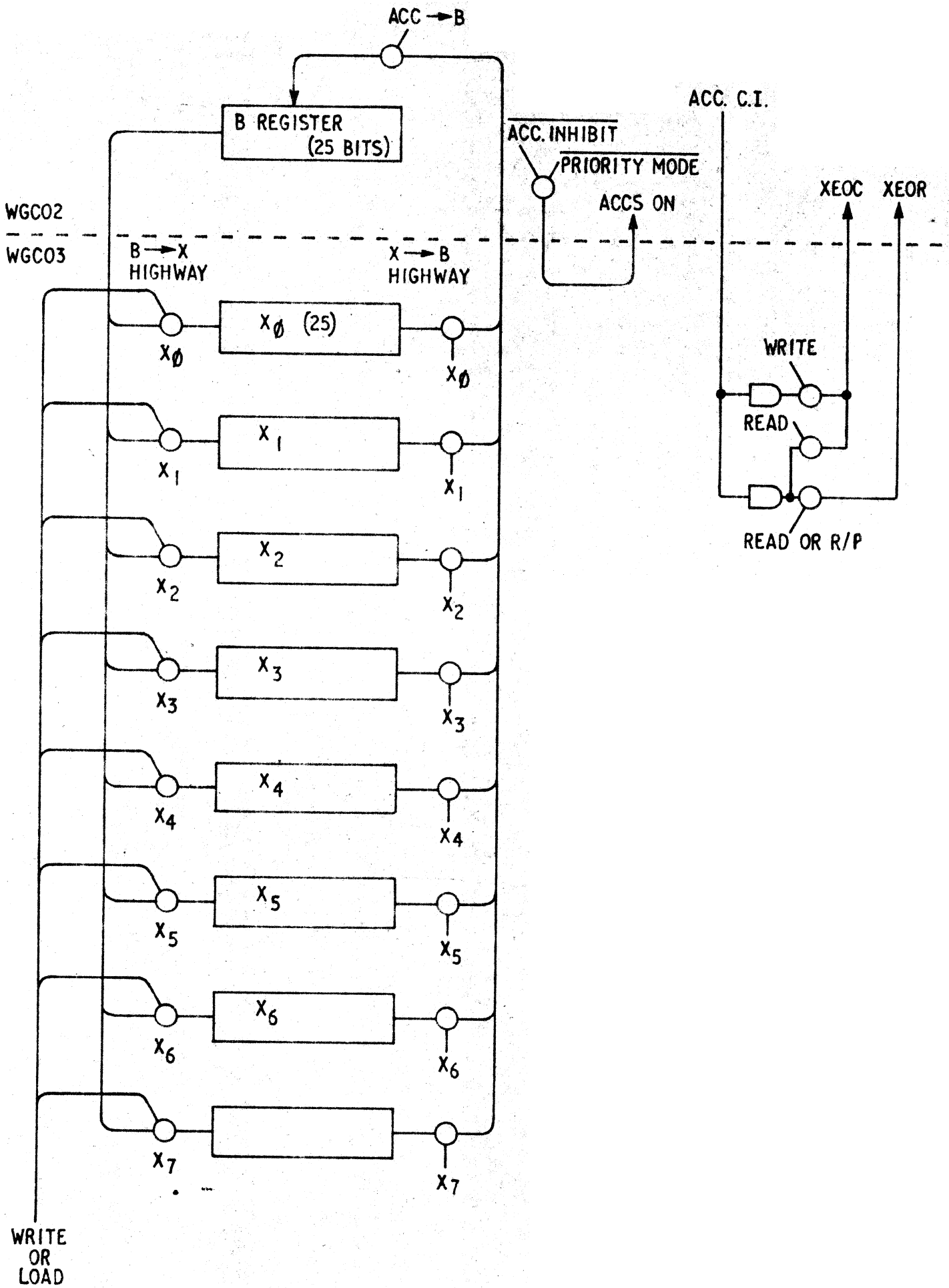
1904E FIXED STORE — ADDRESS SYSTEM

WGB10



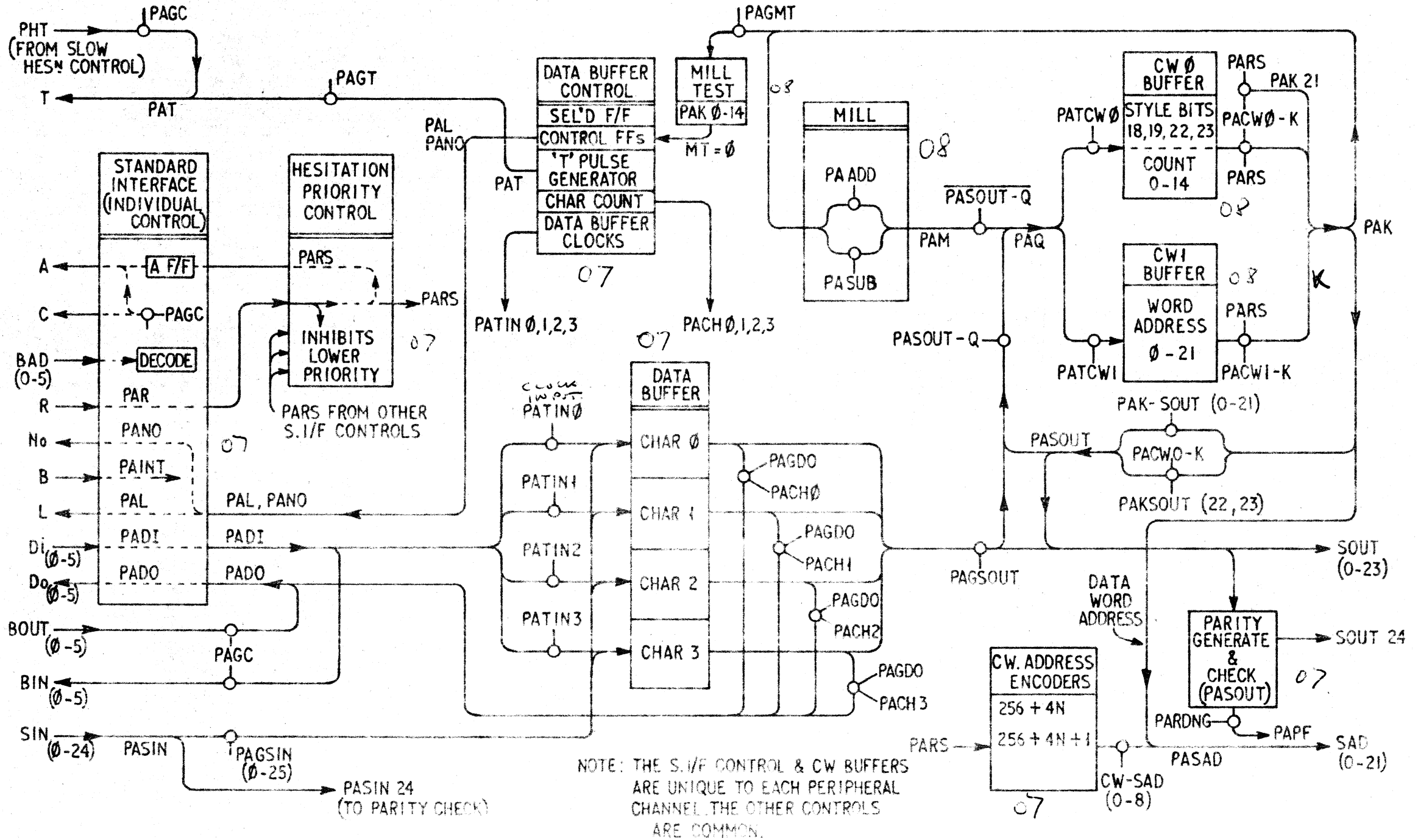


HARDWARE ACCUMULATORS  
LOGICAL REPRESENTATION.

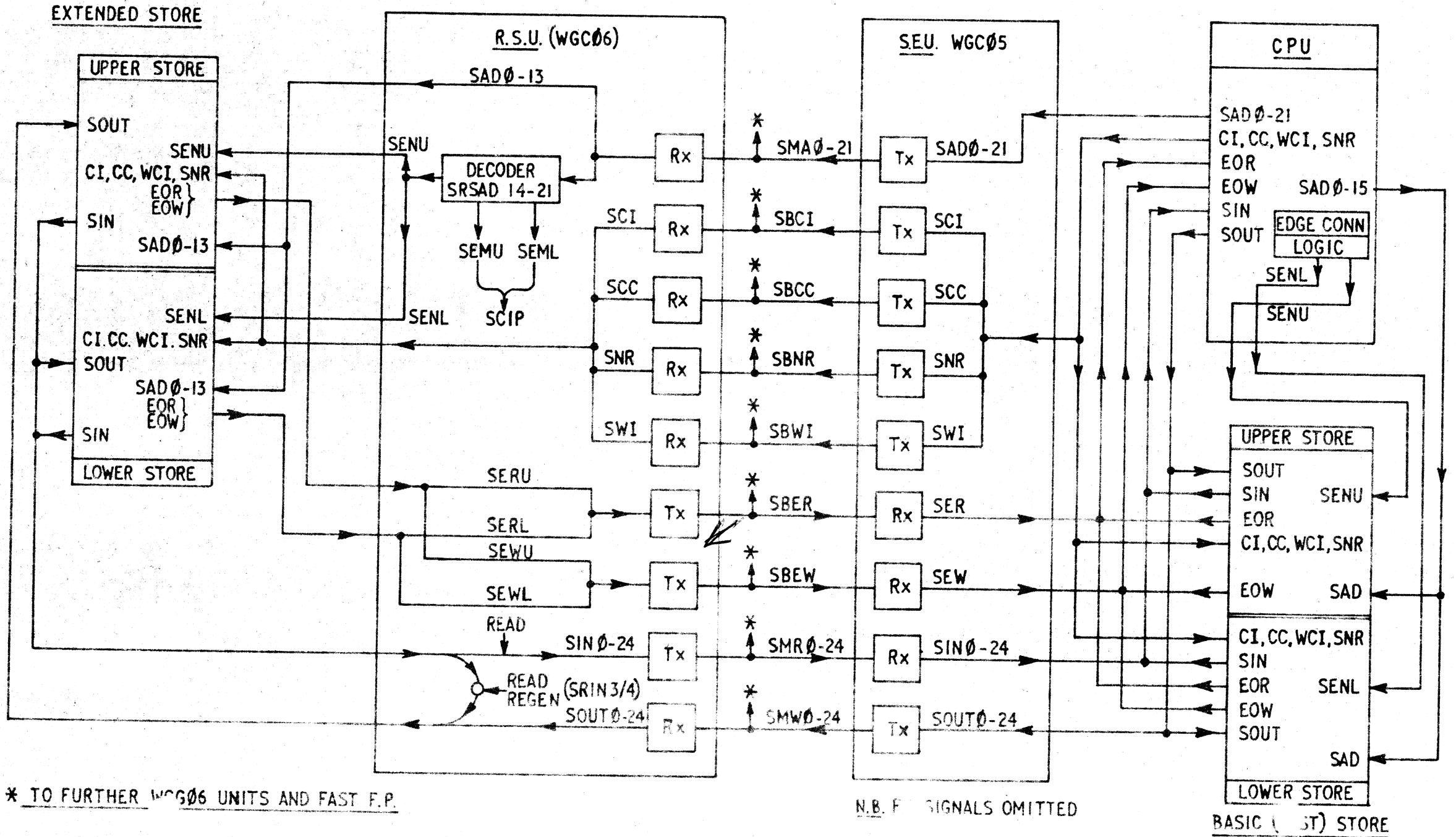




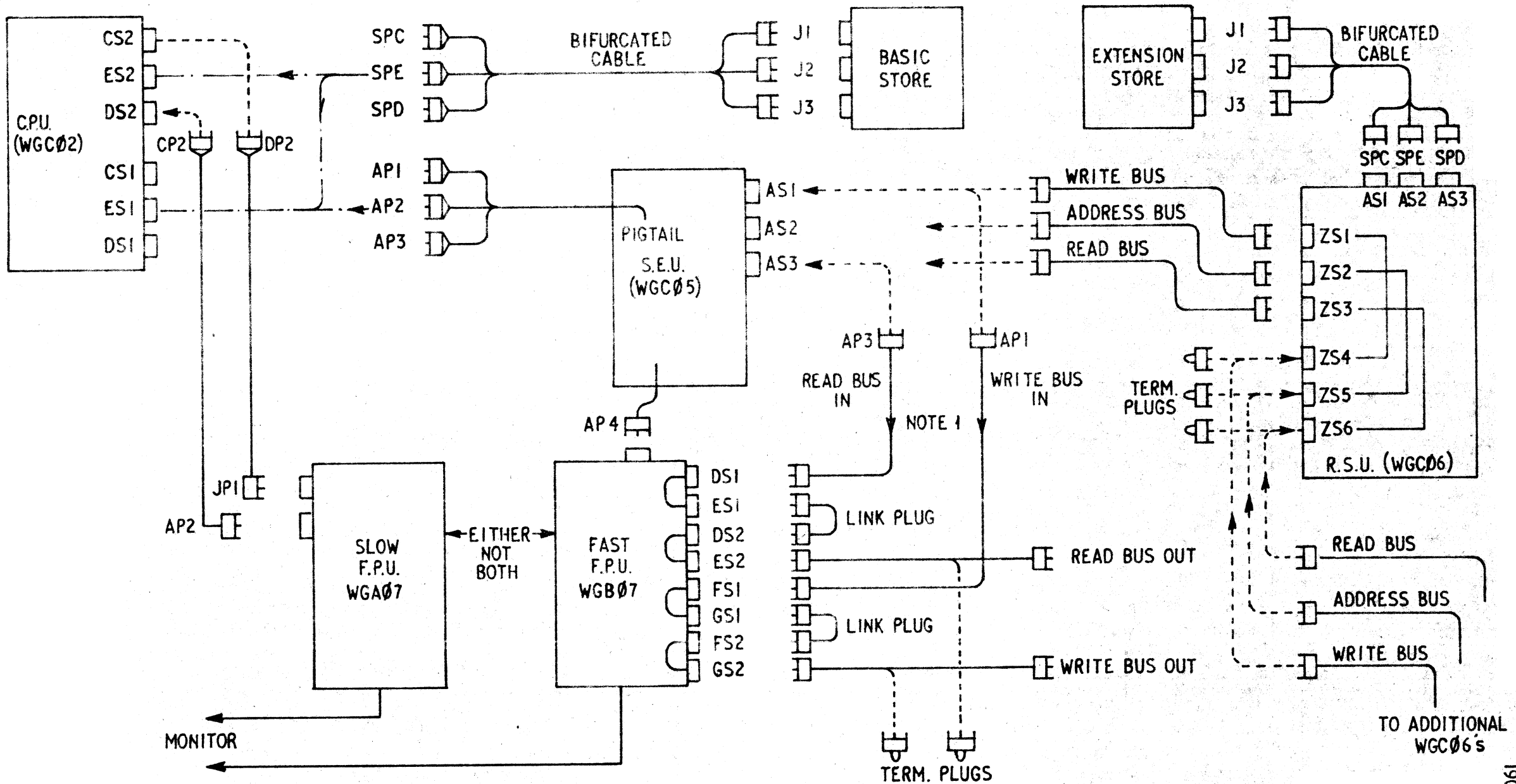
PERIPHERAL AUTONOMOUS CONTROL - FLOW DIAGRAM



PF 281 STORE EXTENSION SYSTEM (& BUS SYSTEM)

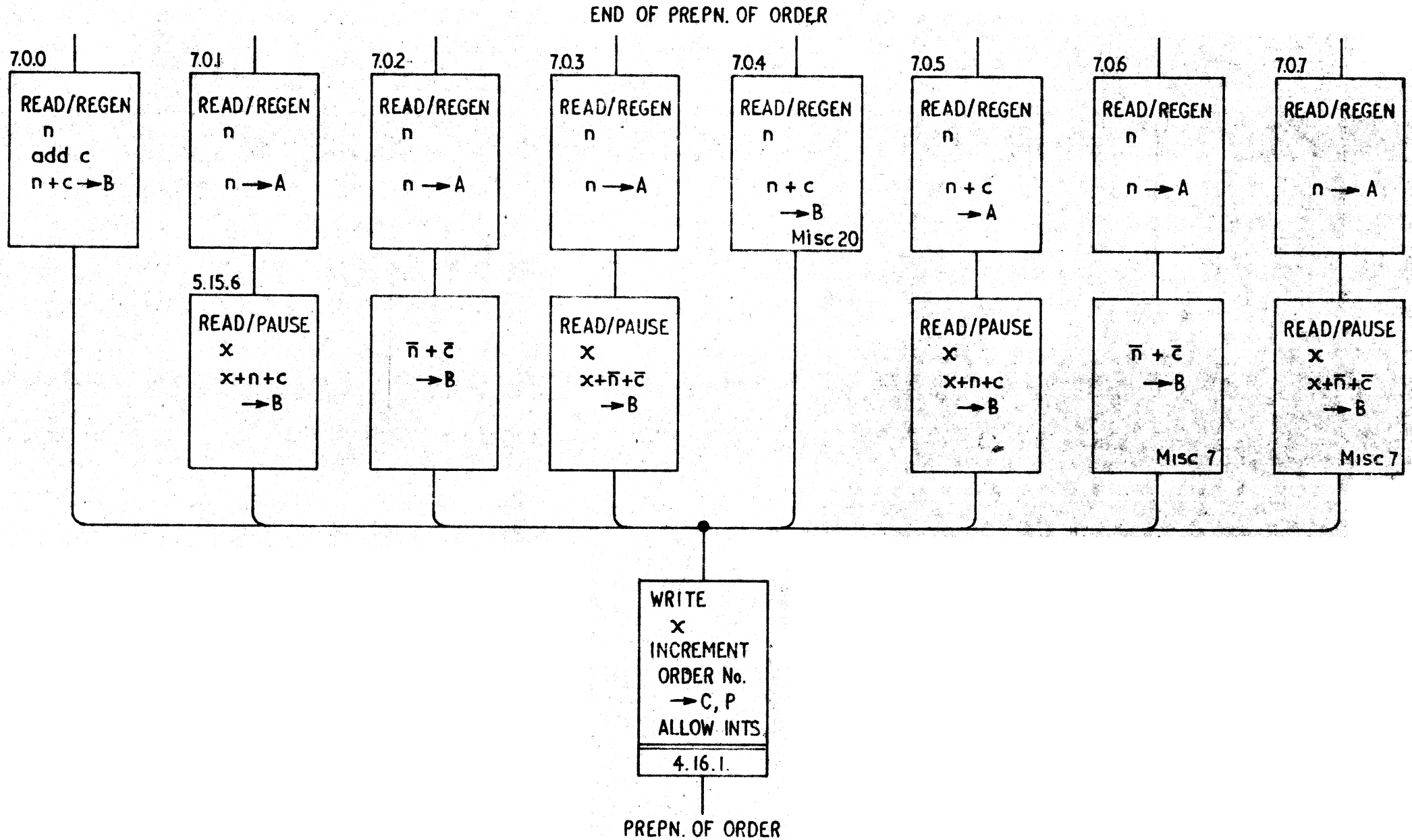


P.F. 281. STORE, BUS & F.P.U. CABLING.

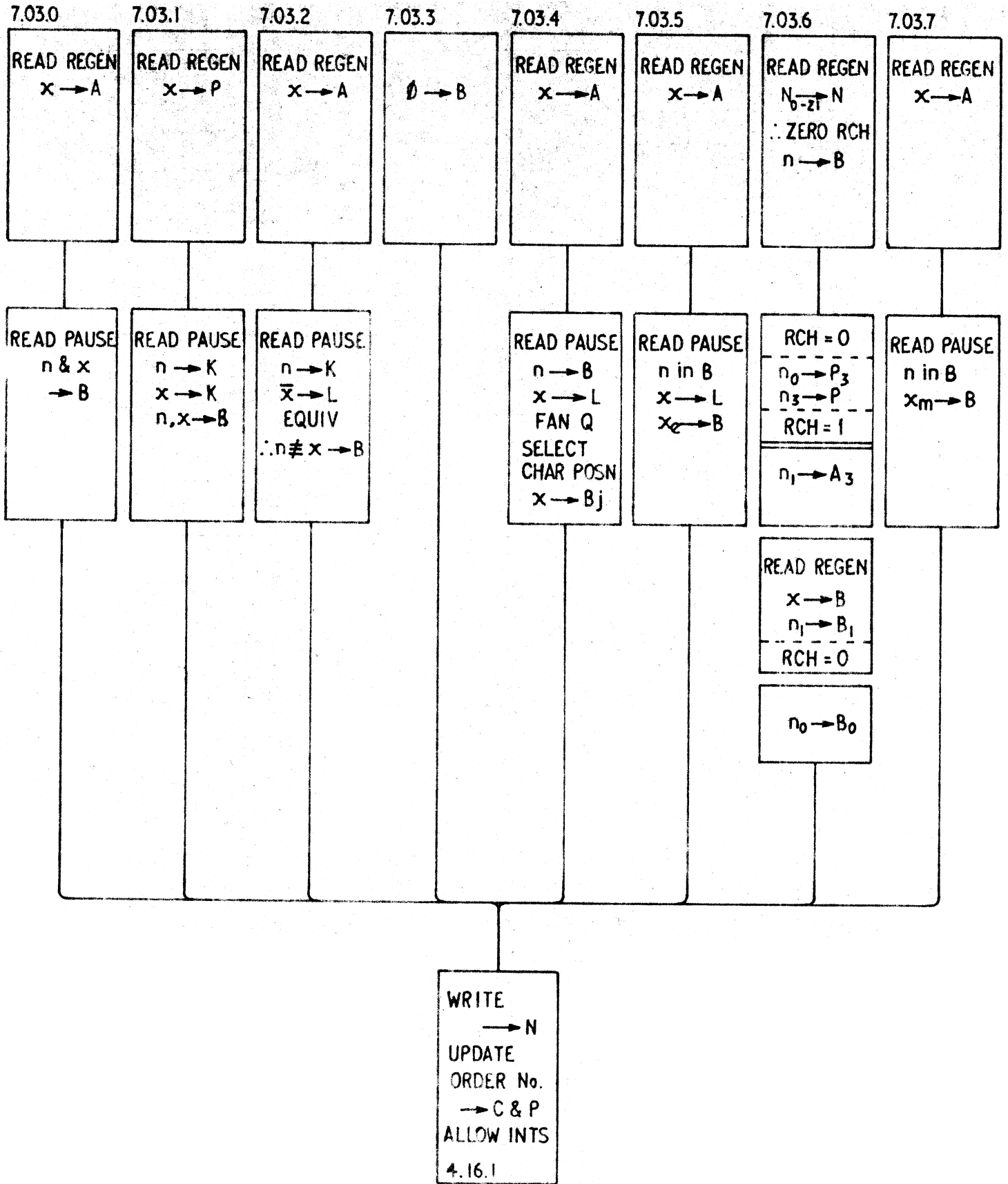


NOTE 1: IF FAST F.P.U. & R.S.U. TO BE PLUGGED, READ & WRITE BUS GO TO F.P.U. THENCE TO R.S.U. ADDRESS BUS GOES DIRECTLY TO R.S.U.

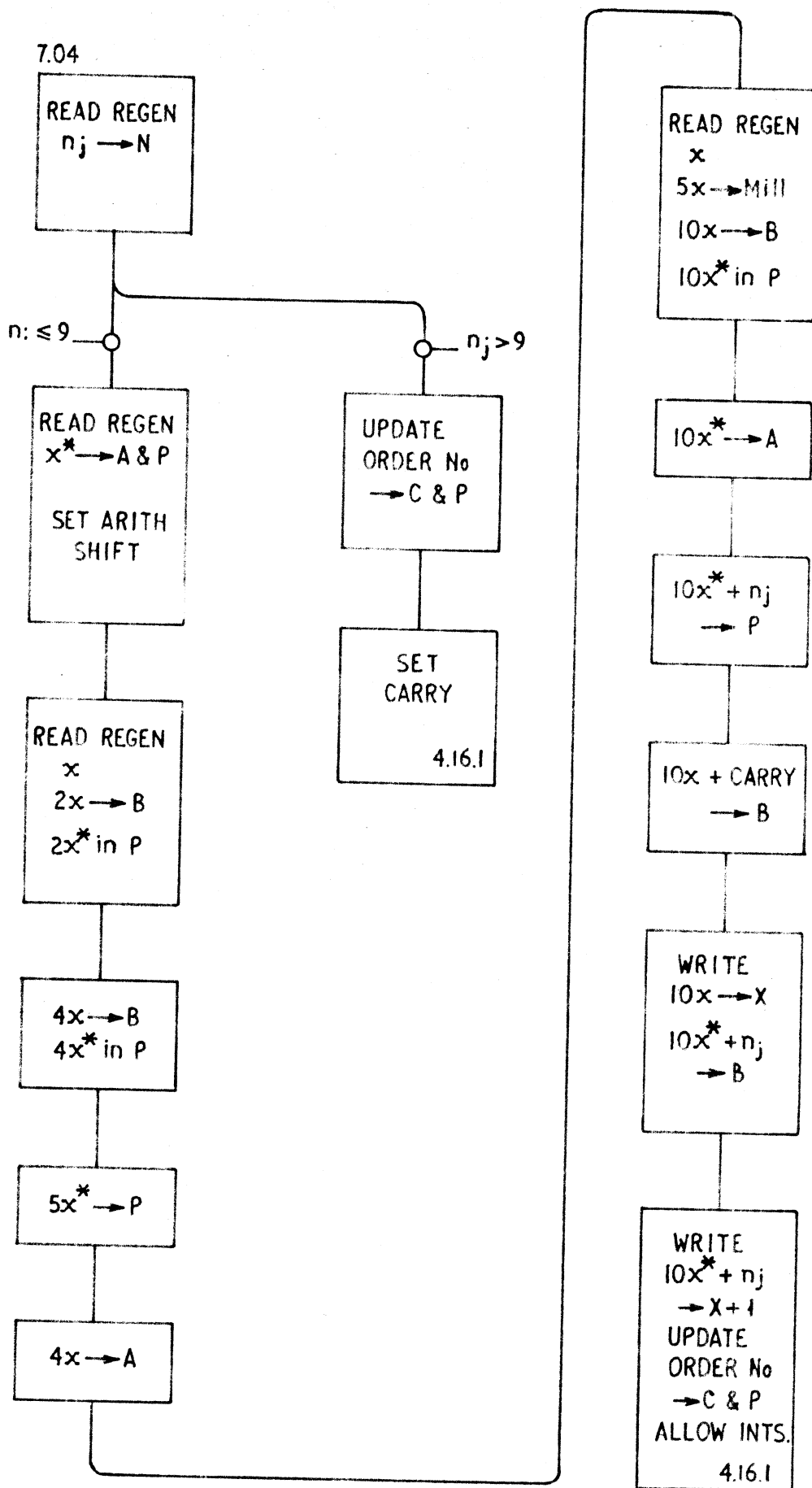
OUTLINE OF GROUP Ø MICROPROGRAMS



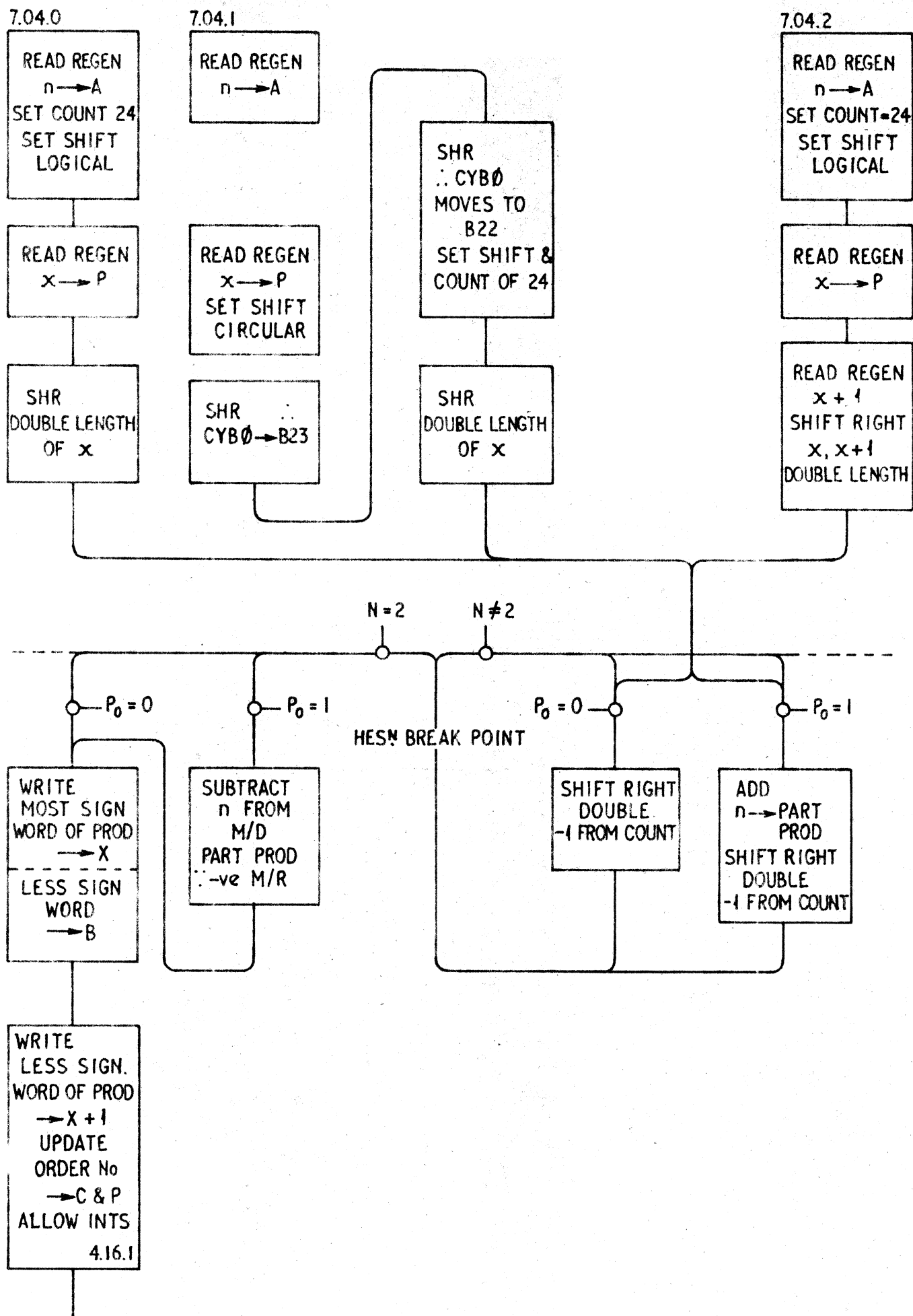
OUTLINE OF GROUP 1 MICROPROGRAMS



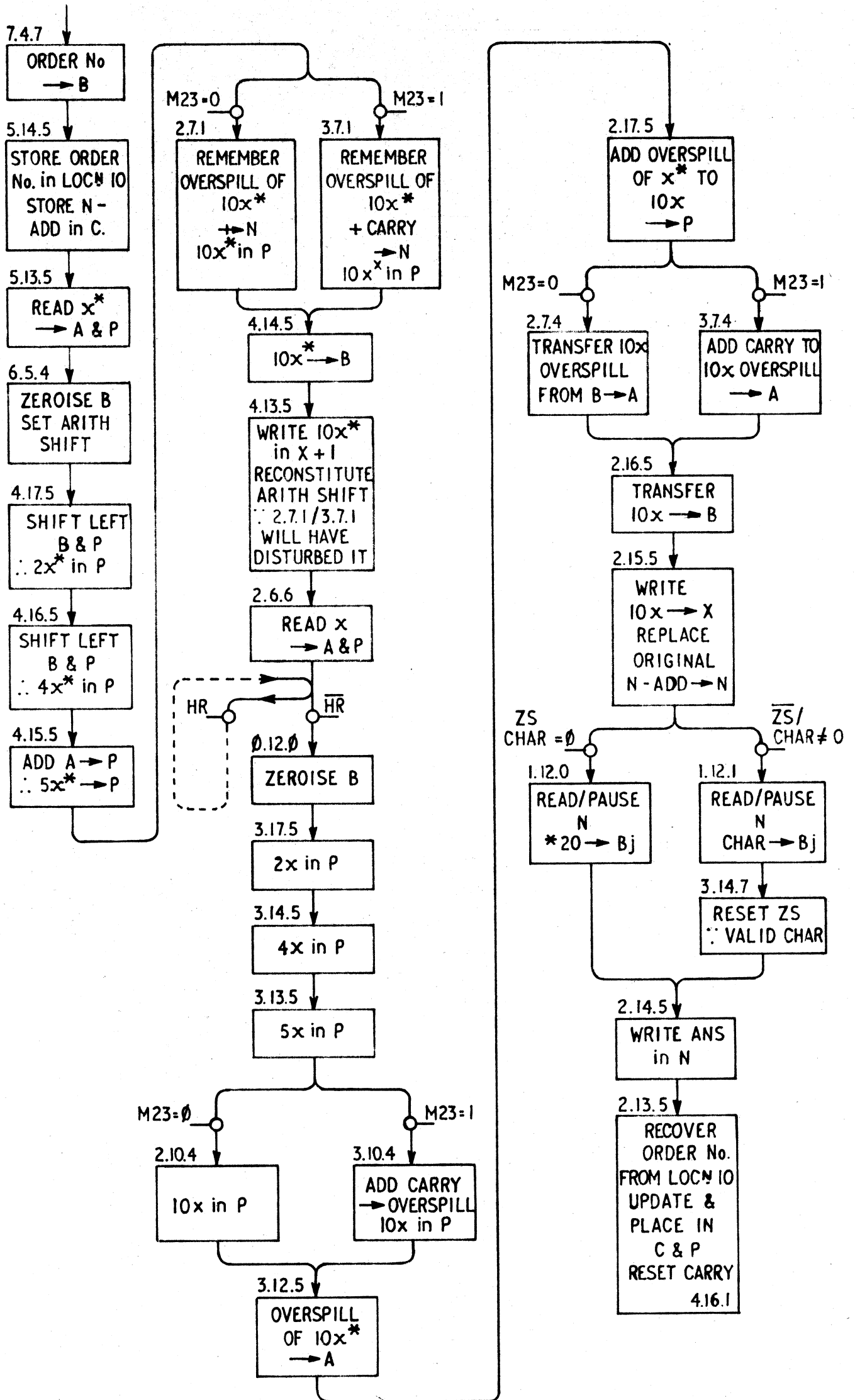
OUTLINE OF FUNCTION 043 MICROPROGRAM



OUTLINE OF MULTIPLY MICROPROGRAM

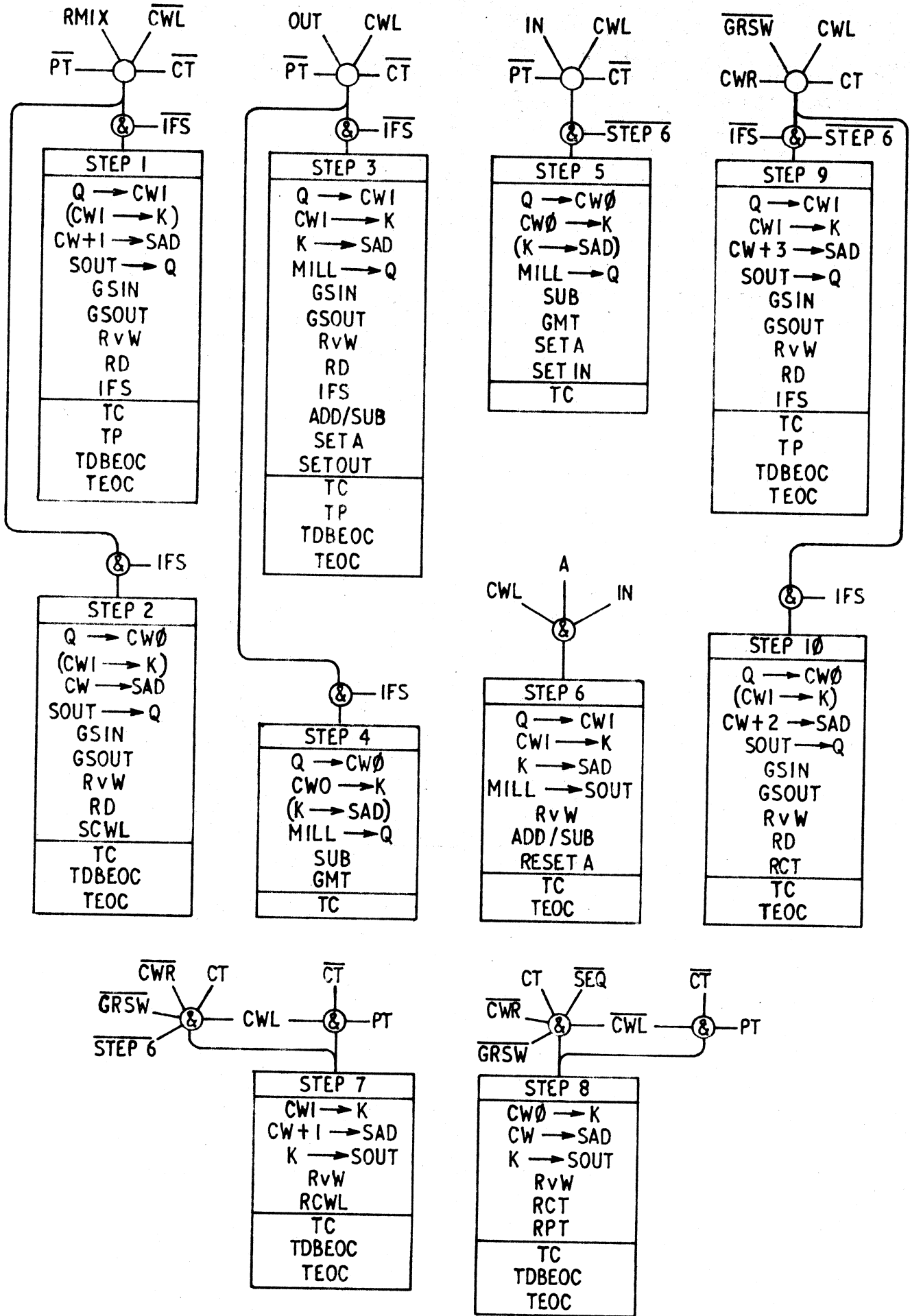


OUTLINE OF FUNCTION 047 MICROPROGRAM



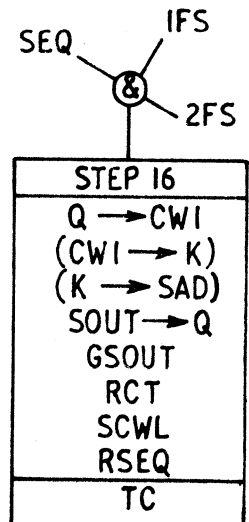
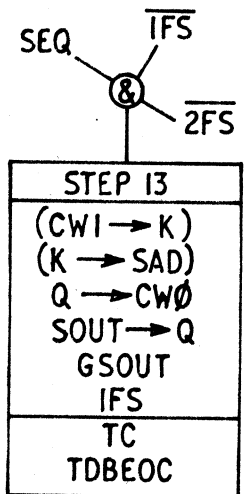
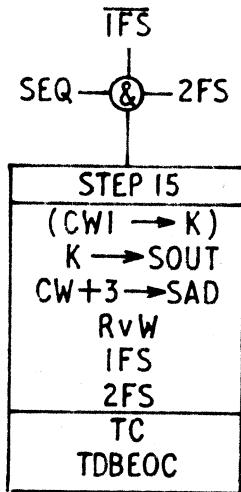
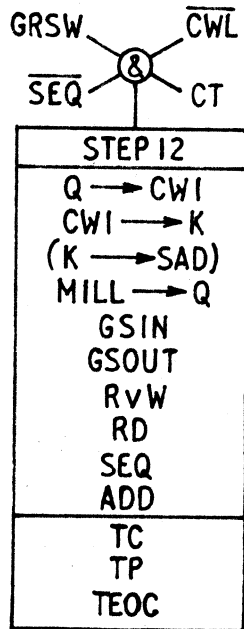
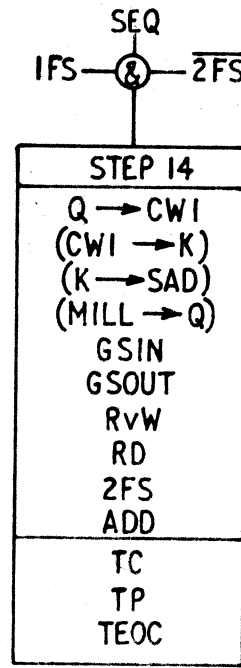
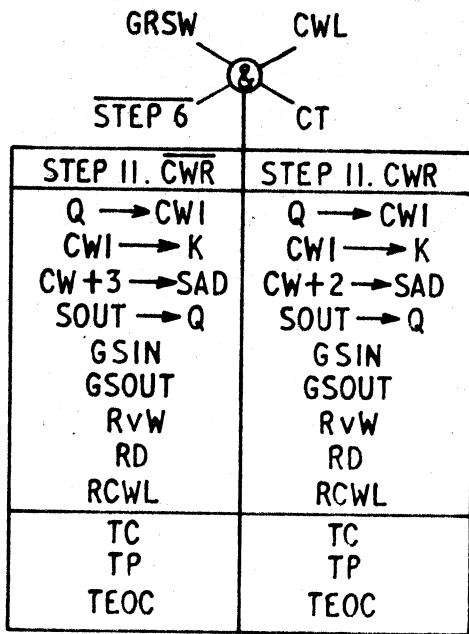


PAC MICROPROGRAM



{ STEP 1 — LOAD CWI  
 { STEP 2 — LOAD CW∅  
 { STEP 3 — START OUT. READ DATA MOD CWI  
 { STEP 4 — START OUT. MODIFY CW∅  
 { STEP 5 — START IN. MODIFY CW∅

STEP 6 (MOD CWI) — (SEE S.I. CHANNELS)  
 STEP 7 — UNLOAD CWI  
 STEP 8 — UNLOAD CW∅  
 STEP 9 — CWR. LOAD CWI  
 STEP 10 — CWR. LOAD CW∅



STEP 11 - CWR  
 STEP 11 - CWR  
 STEP 12 -  
 STEP 13 -

STEP 14 -  
 STEP 15 -  
 STEP 16 -

OPERATION OF CREST SWITCH

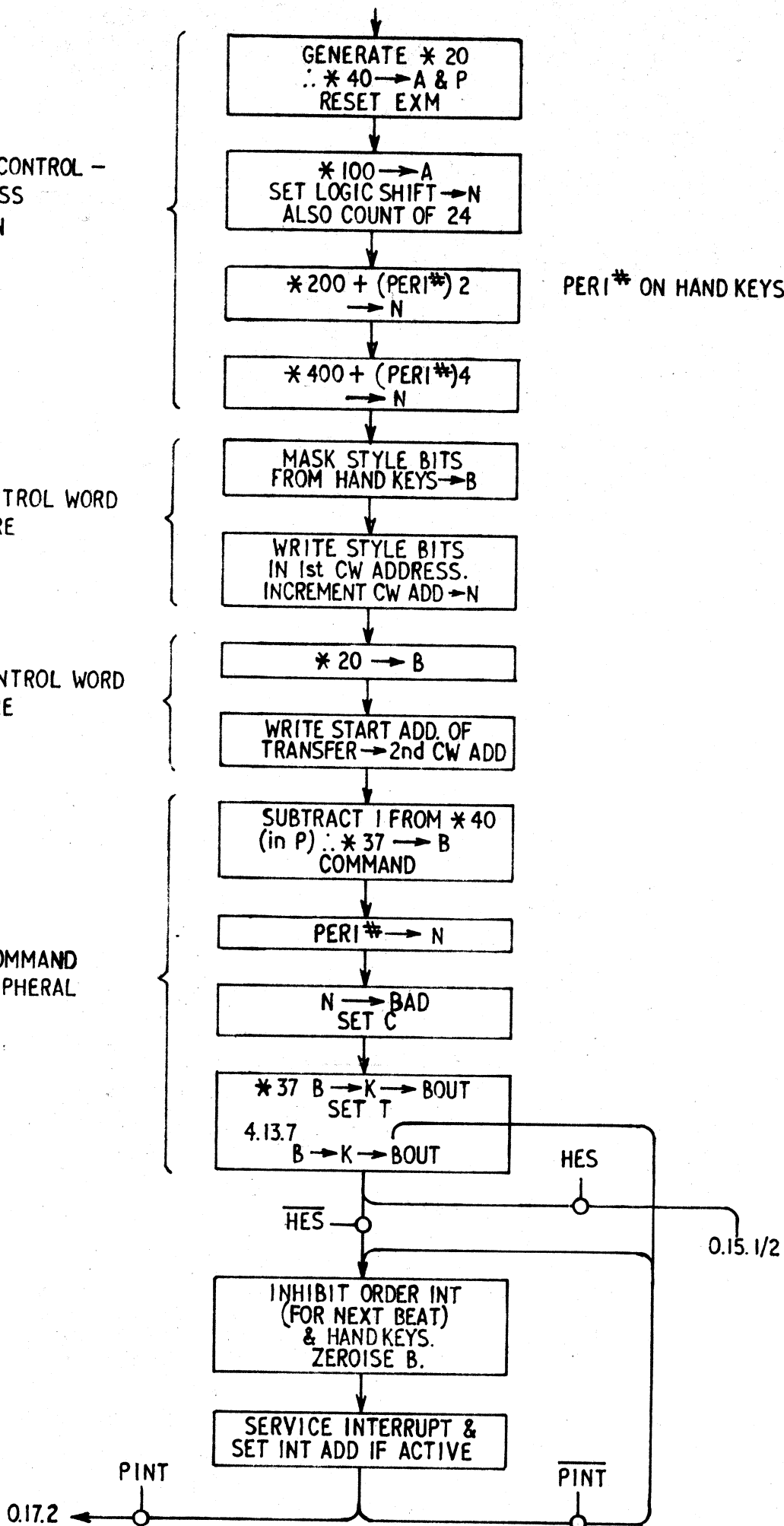
GENERATE 1st CONTROL -  
WORD ADDRESS  
i.e.  $256 + 4N$   
in N-REG

INSERT 1st CONTROL WORD  
IN STORE

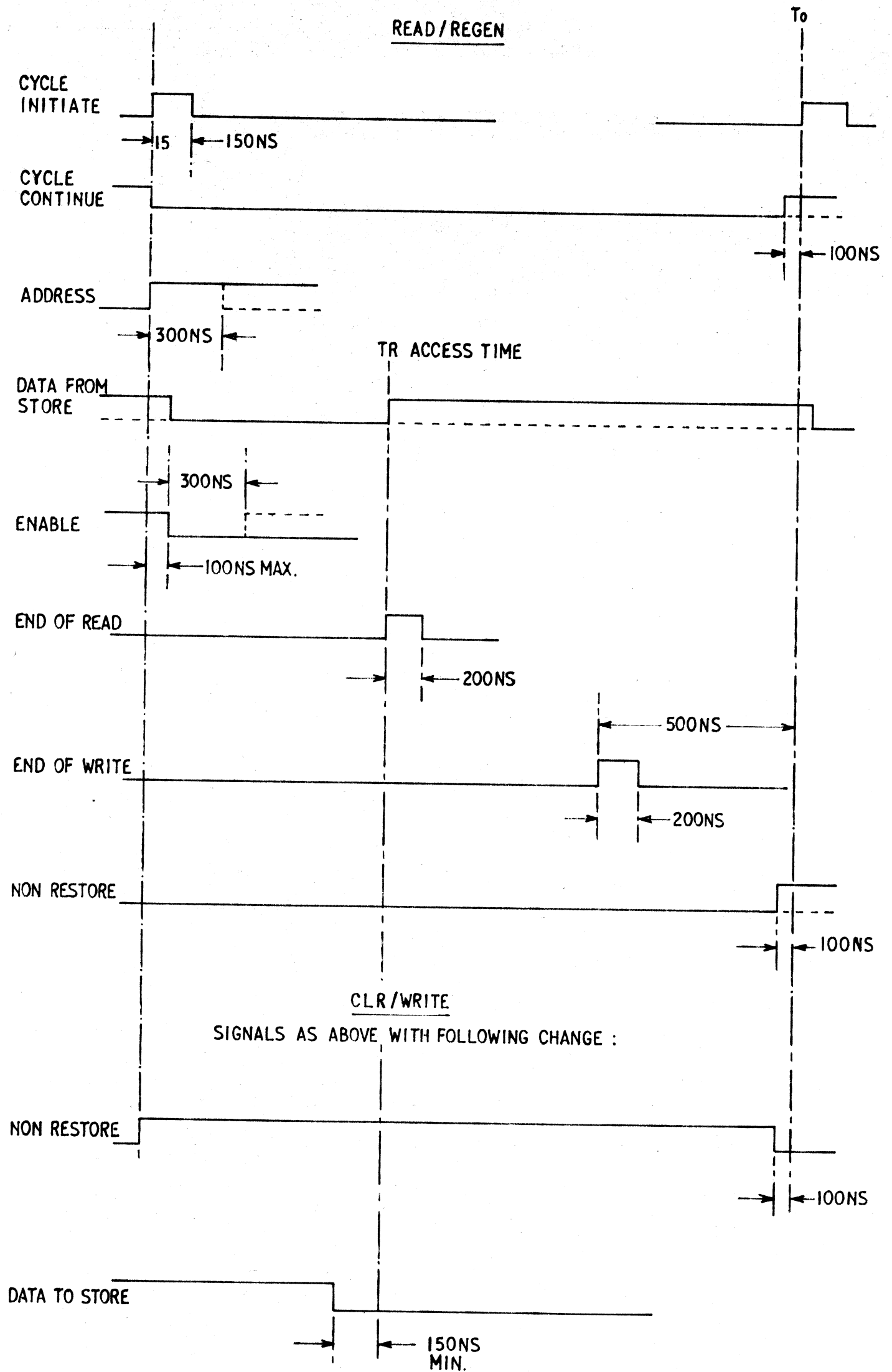
INSERT 2nd CONTROL WORD  
IN STORE

SEND COMMAND  
TO PERIPHERAL

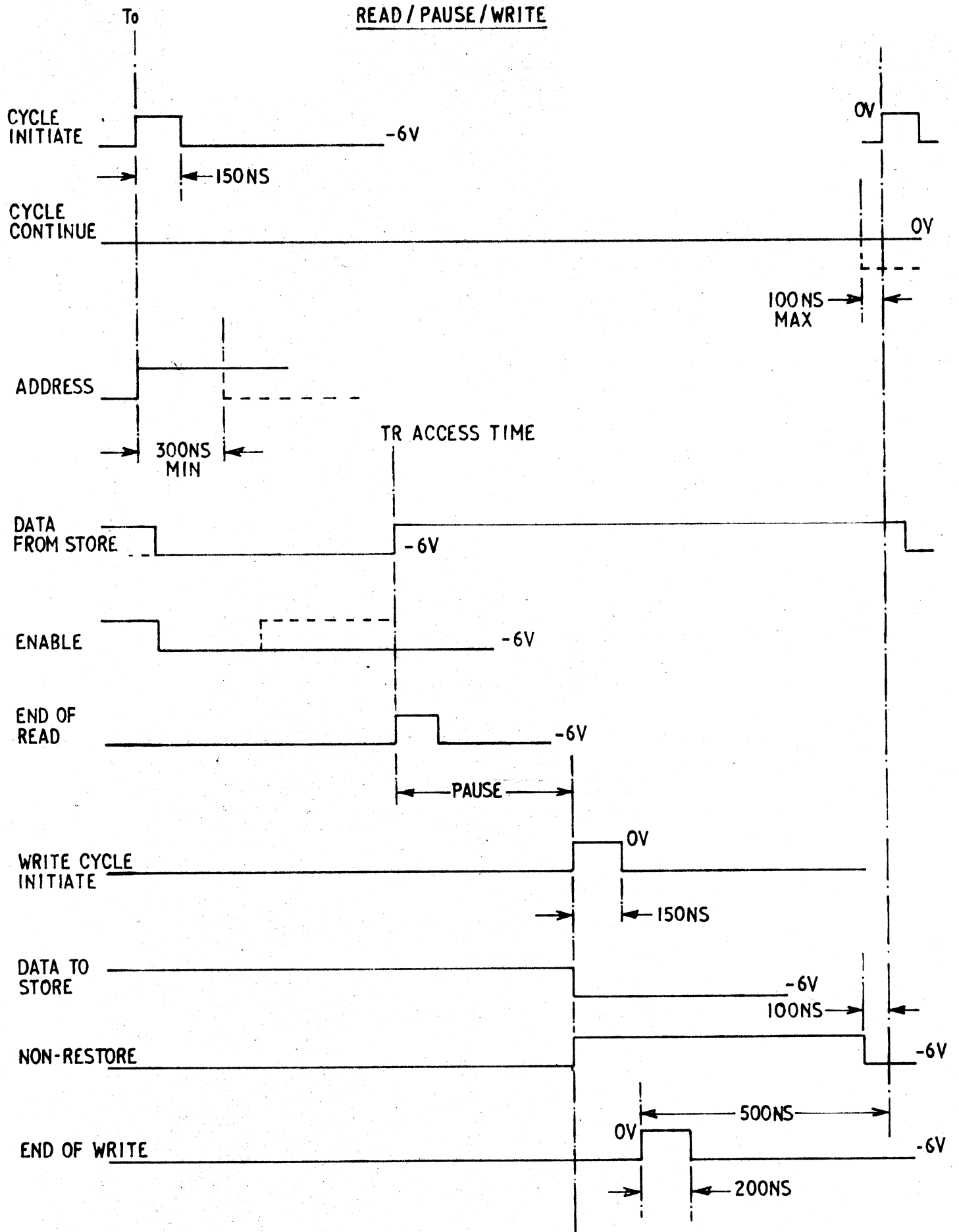
PERI\* ON HAND KEYS

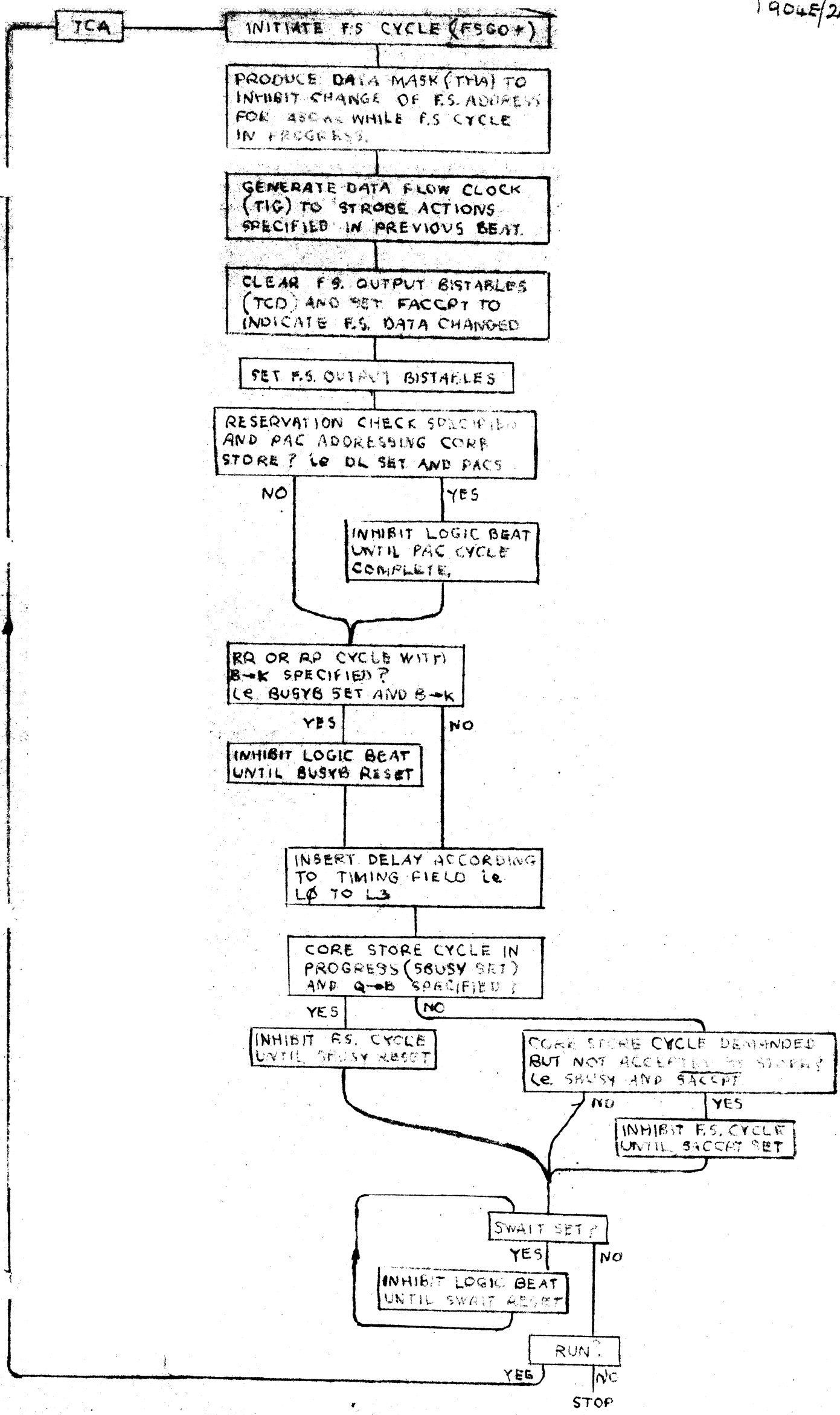


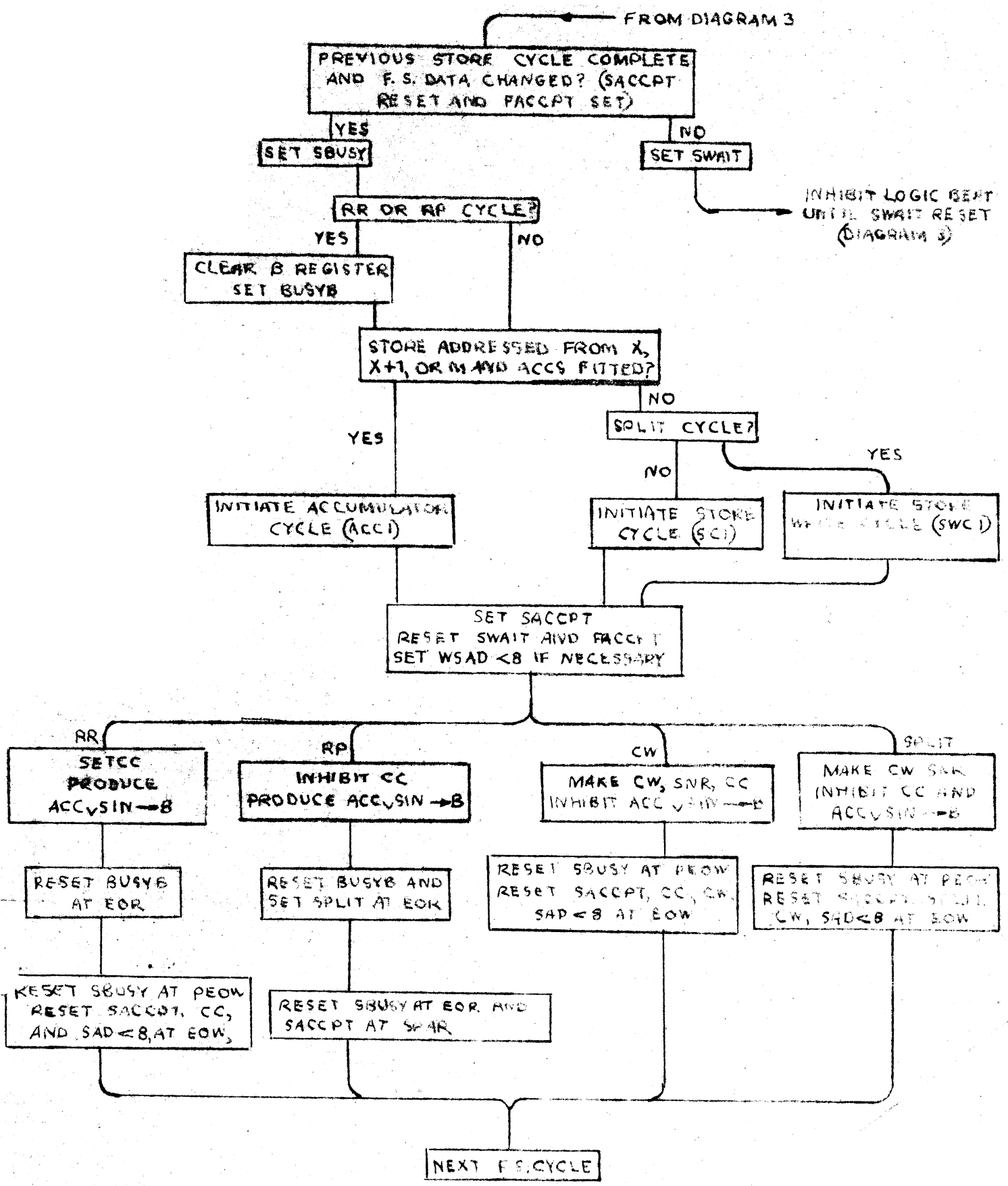
PF 281 TYPICAL WAVEFORMS



TYPICAL PF 281 WAVEFORMS







NOTE.  
 RR: READ REGENERATE  
 RP: READ PAUSE  
 CW: CLEAR WRITE  
 SPLIT: WRITE AFTER READ PAUSE