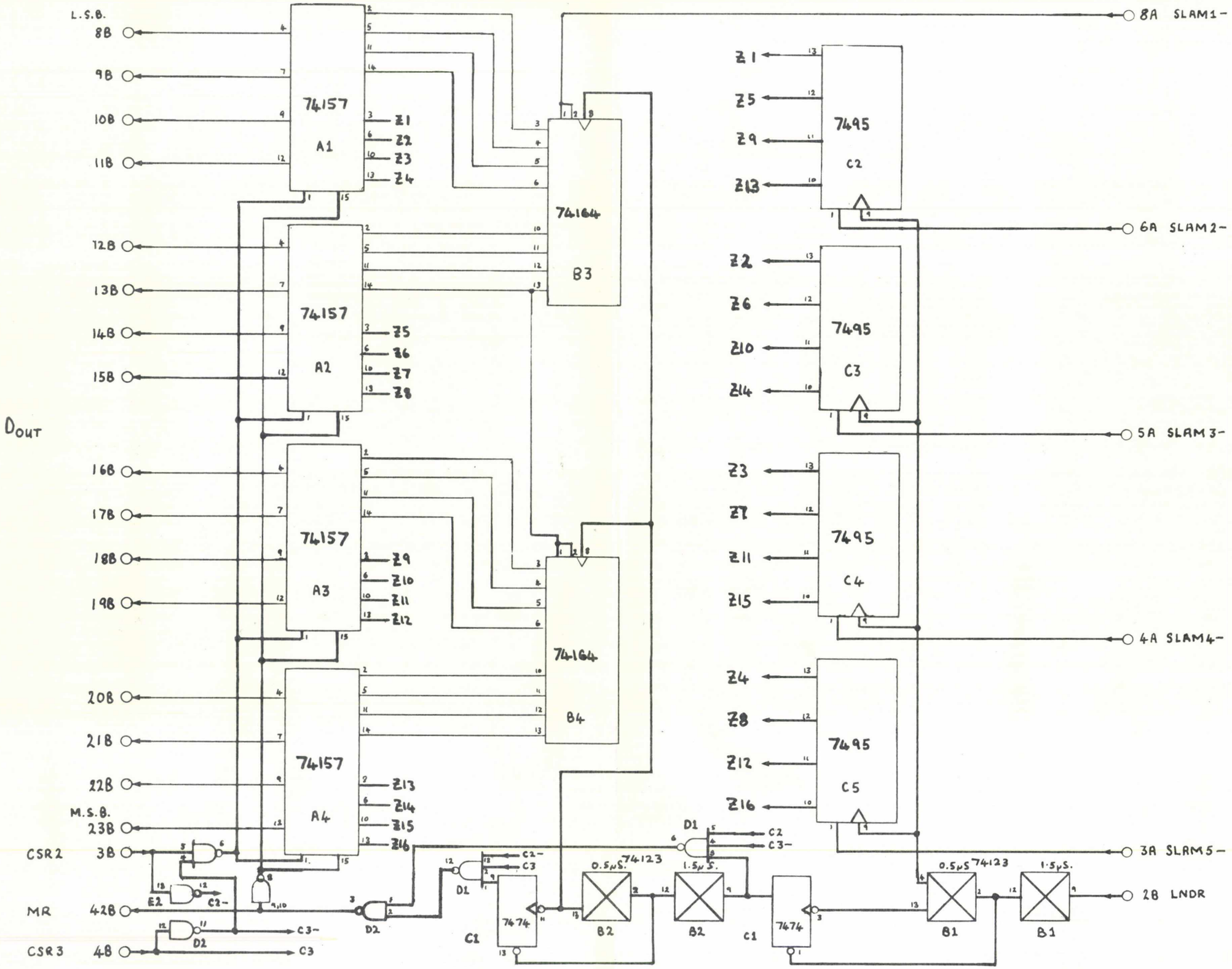


FIGURE 6.2 Modified N.E.C. Response Registers Board 13

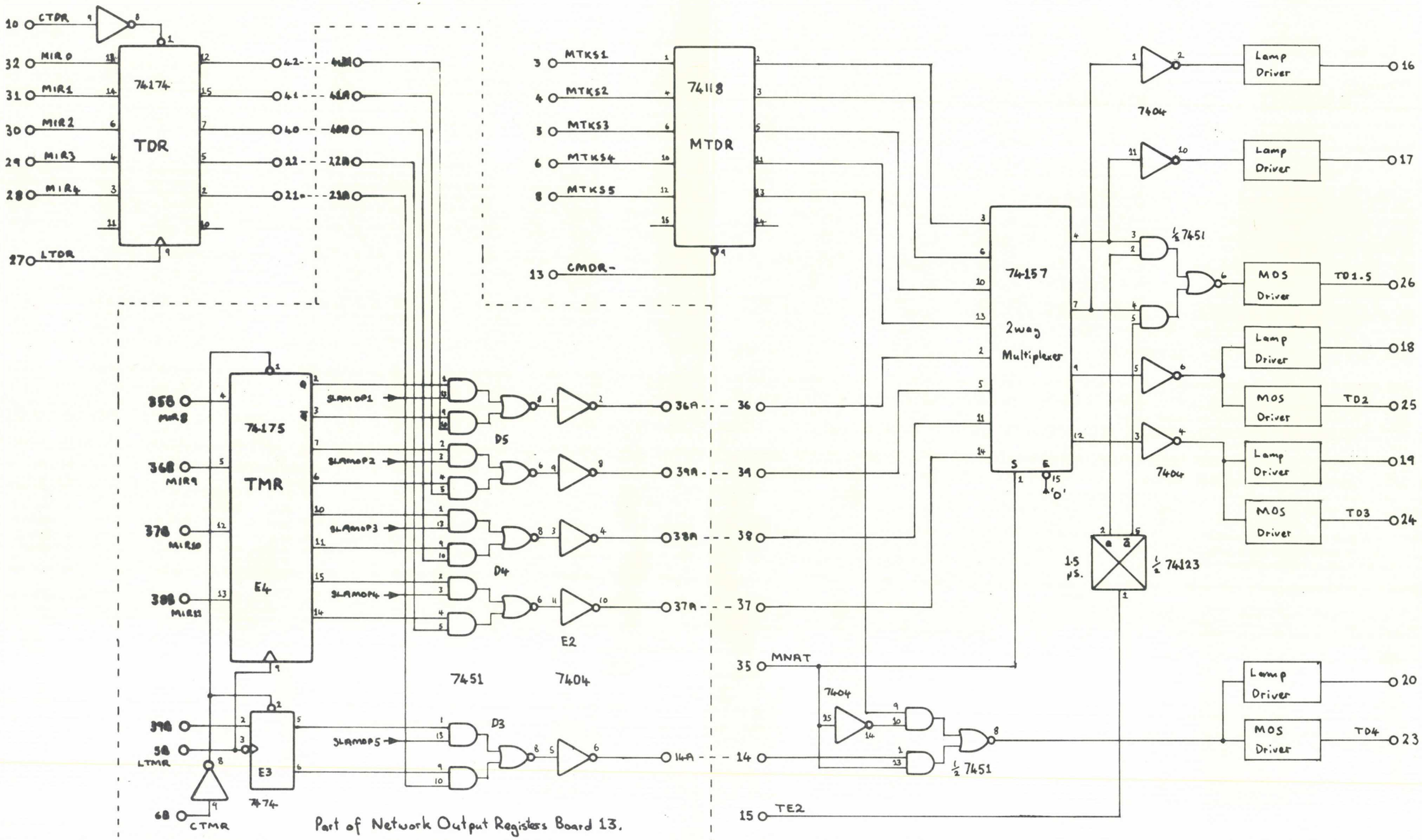


FIGURE 6.3 Teach and Teach Mask Register Logic Board 12

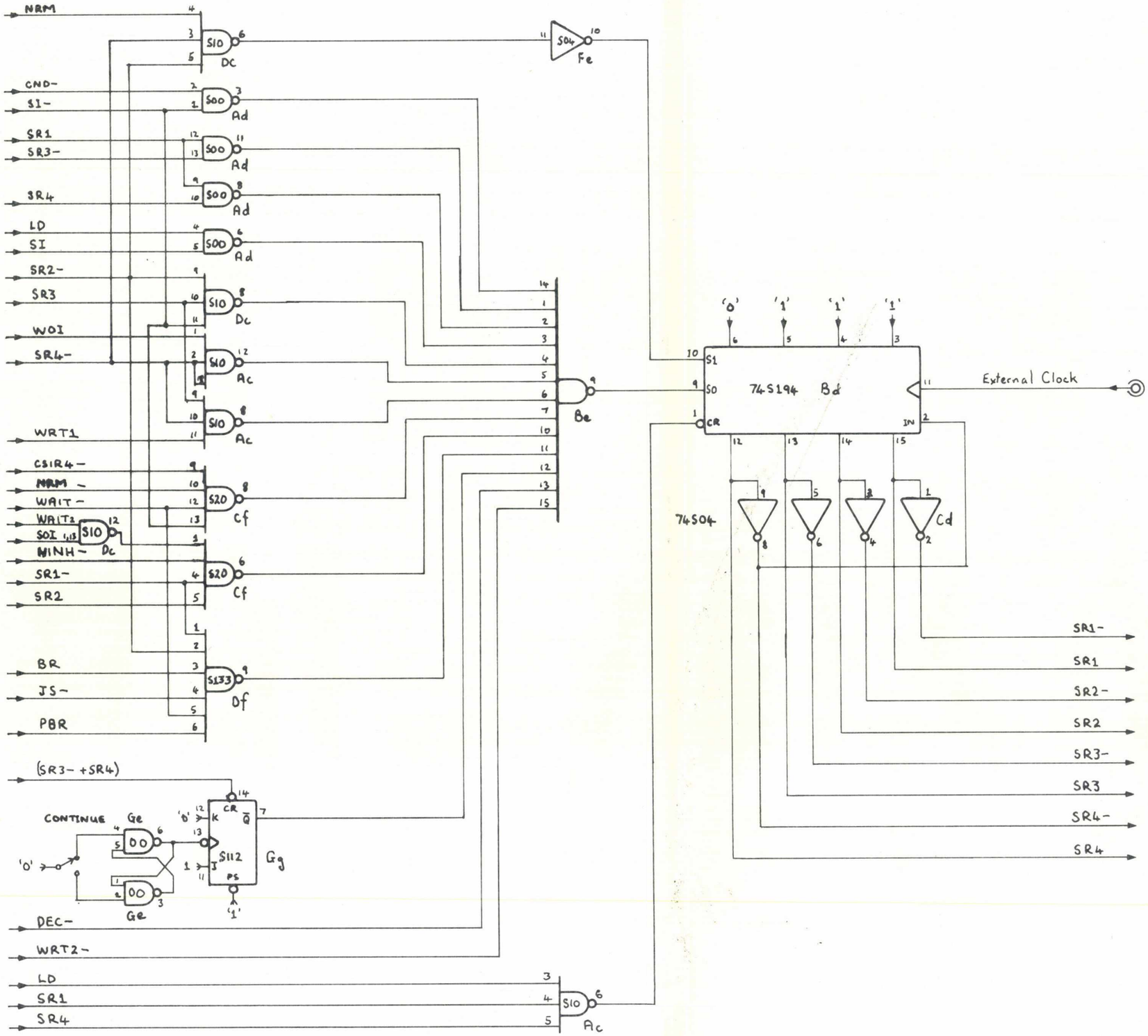
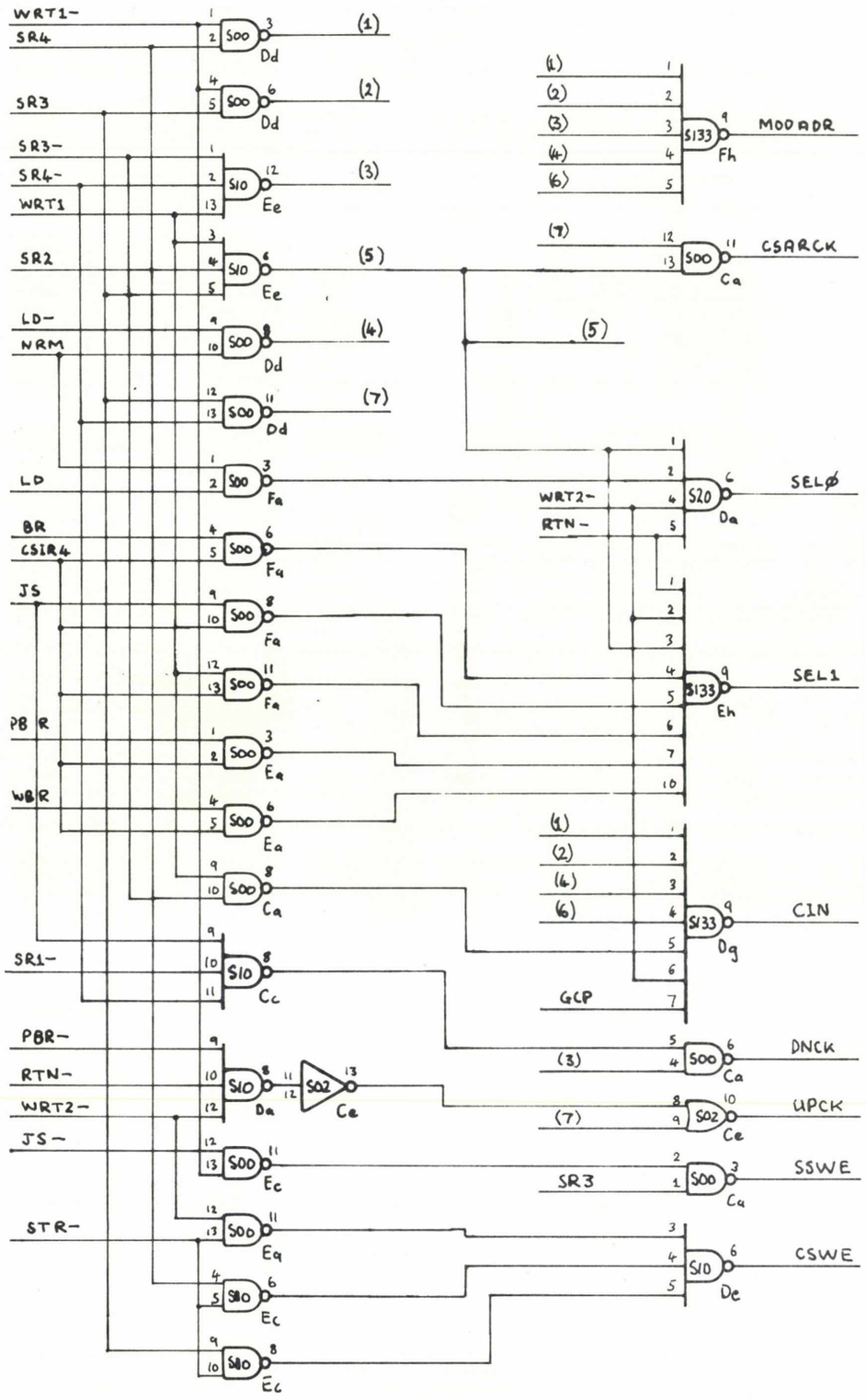
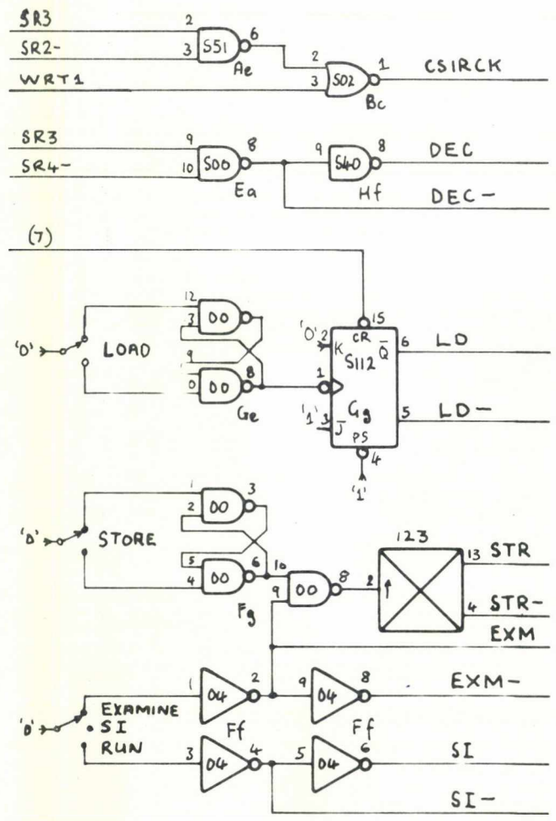
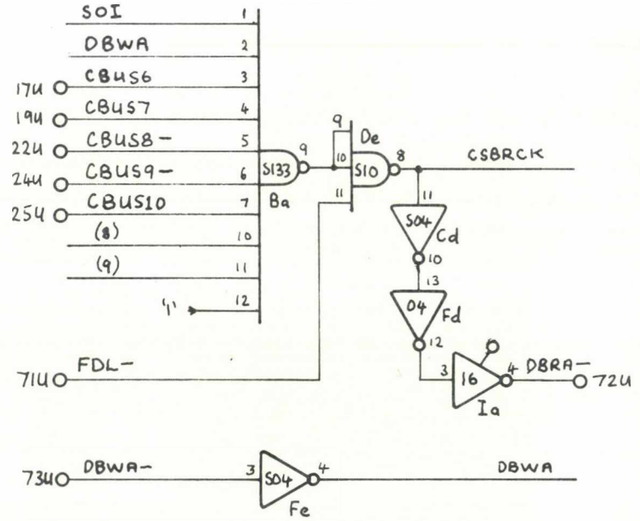


FIGURE 6.19 Clock Generator (C-module)







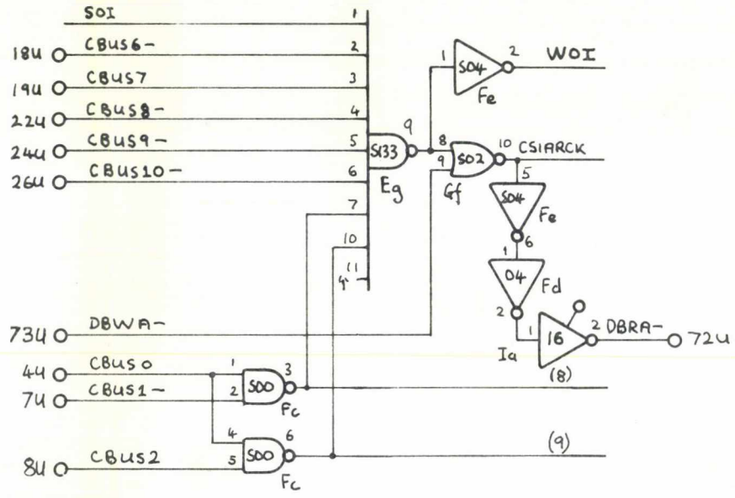


FIGURE 6.20 Control-Order Logic

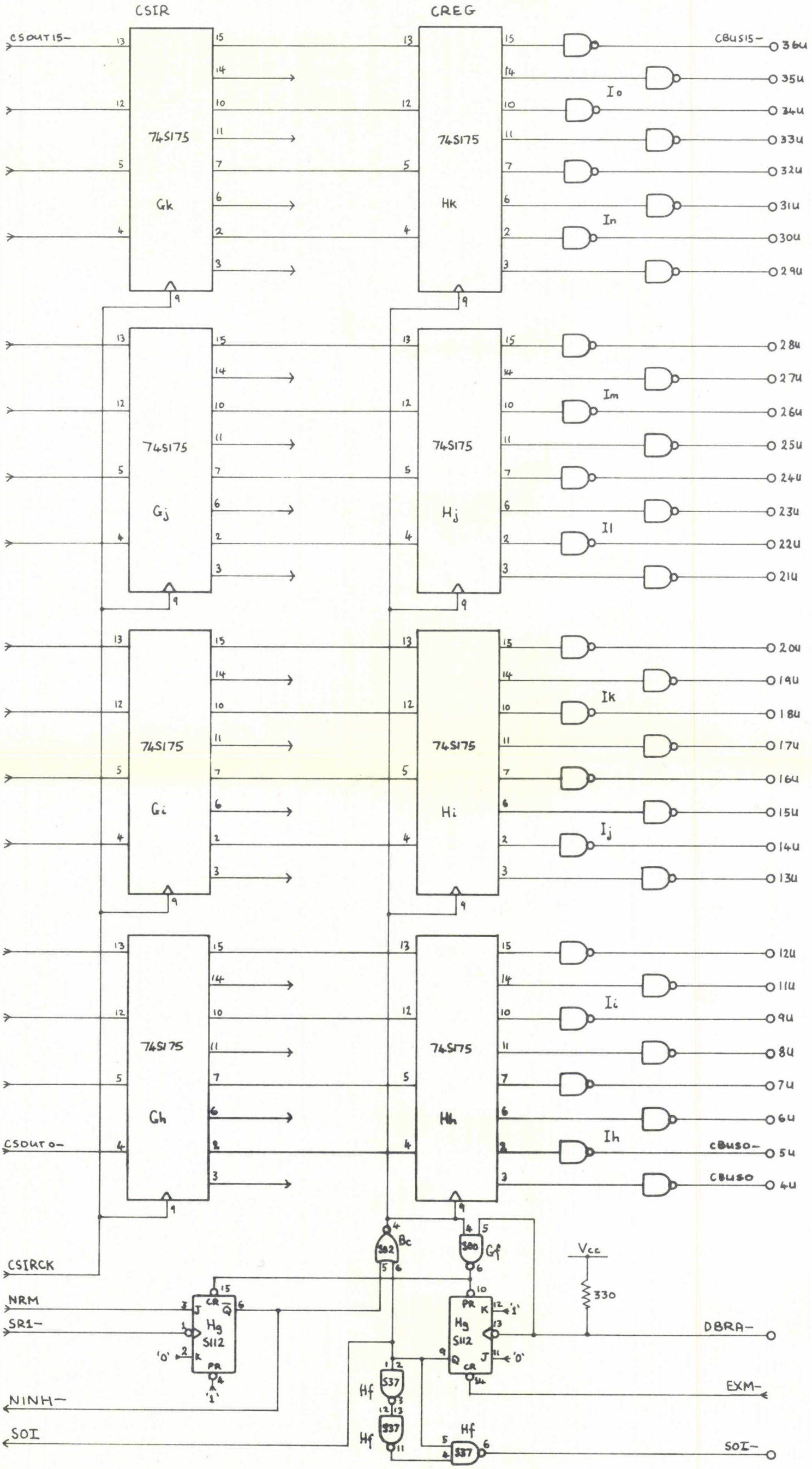


FIGURE 6.21 Micro-Instruction Pipeline

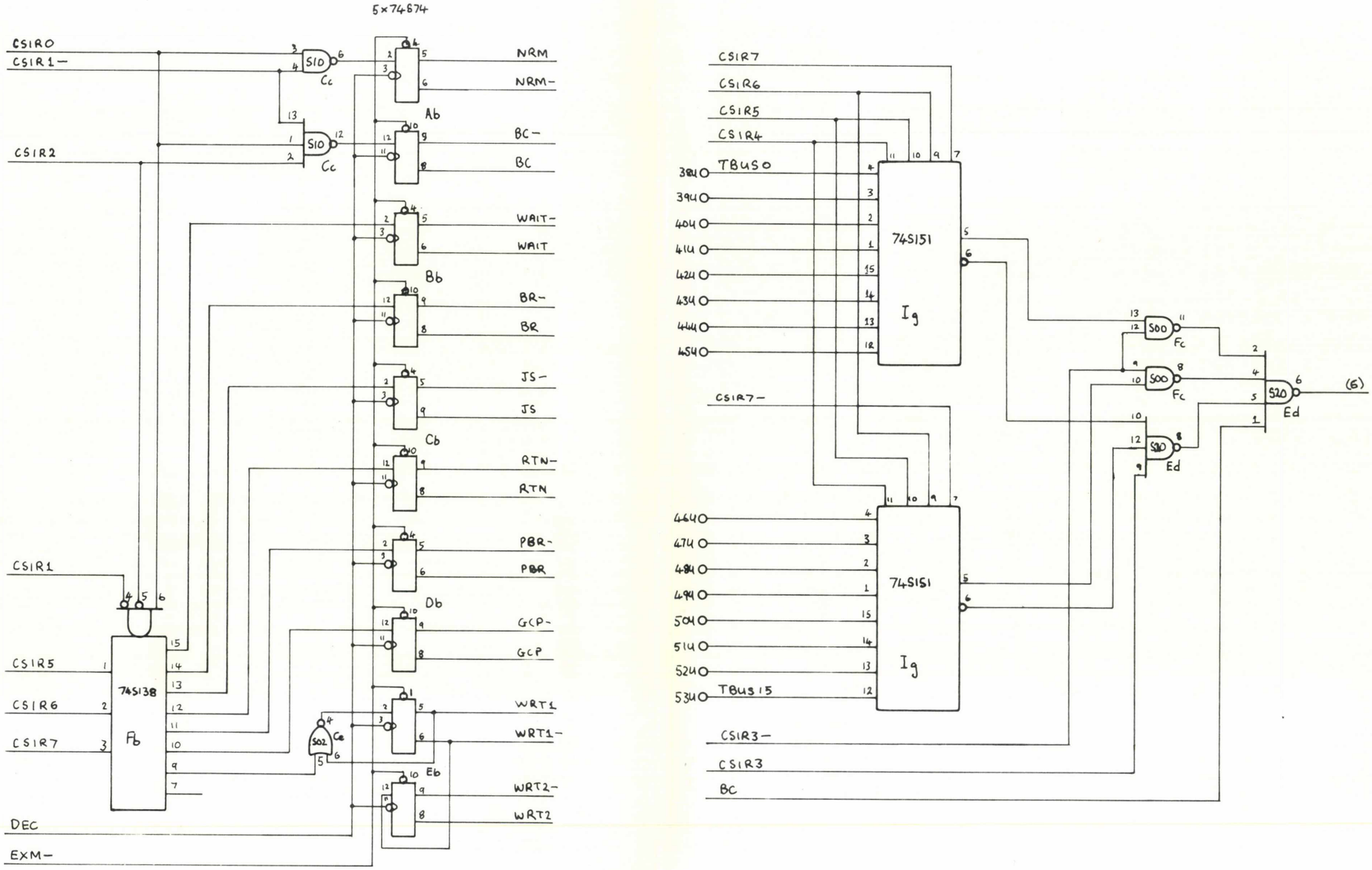
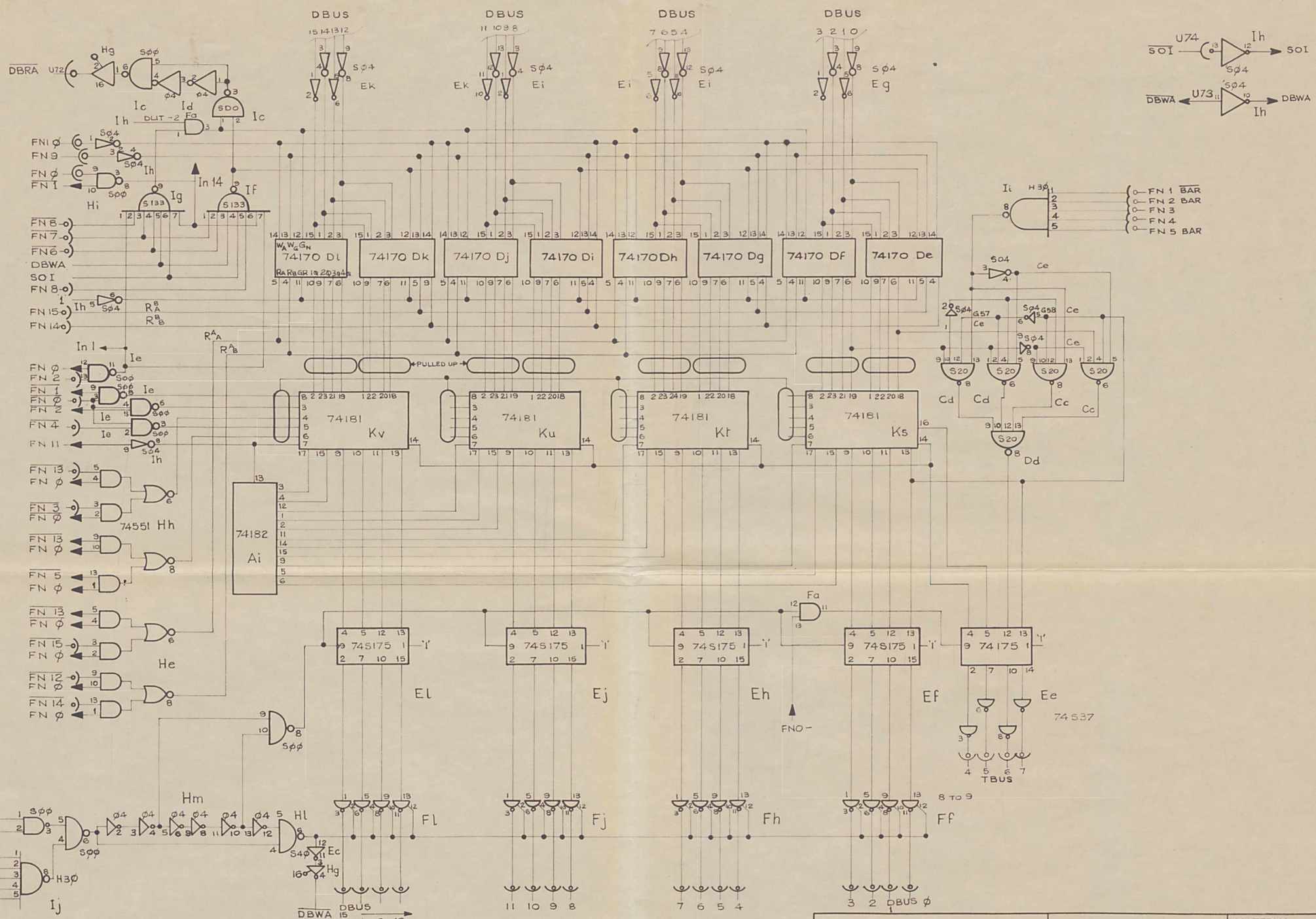


FIGURE 6.22 Micro-Instruction Decode

DRG. No.



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GAF 0885/75

UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES.	UNLESS OTHERWISE STATED TOLERANCES ± 0·3 M/C SURFACE FINISH 3·2 μ C.L.A. ALL SHARP EDGES REMOVED MAX. 0·3 RAD. OR CHAMFER	MATERIAL	DRAWN / DATE
SCALE		FINISH	APPROVED / DATE

TITLE MINERVA MODULAR MAPPING PROCESSOR :-
ARITHMETIC LOGIC UNIT, ACCUMULATORS MODULE

FIGURE 6.23

BRUNEL UNIVERSITY KINGSTON LANE UXBRIDGE MIDDX.

SCHOOL OF:- ENGINEERING

DEPT. OF:- ELECTRICAL ENGINEERING & ELECTRONICS

DRG. No. MMP 4

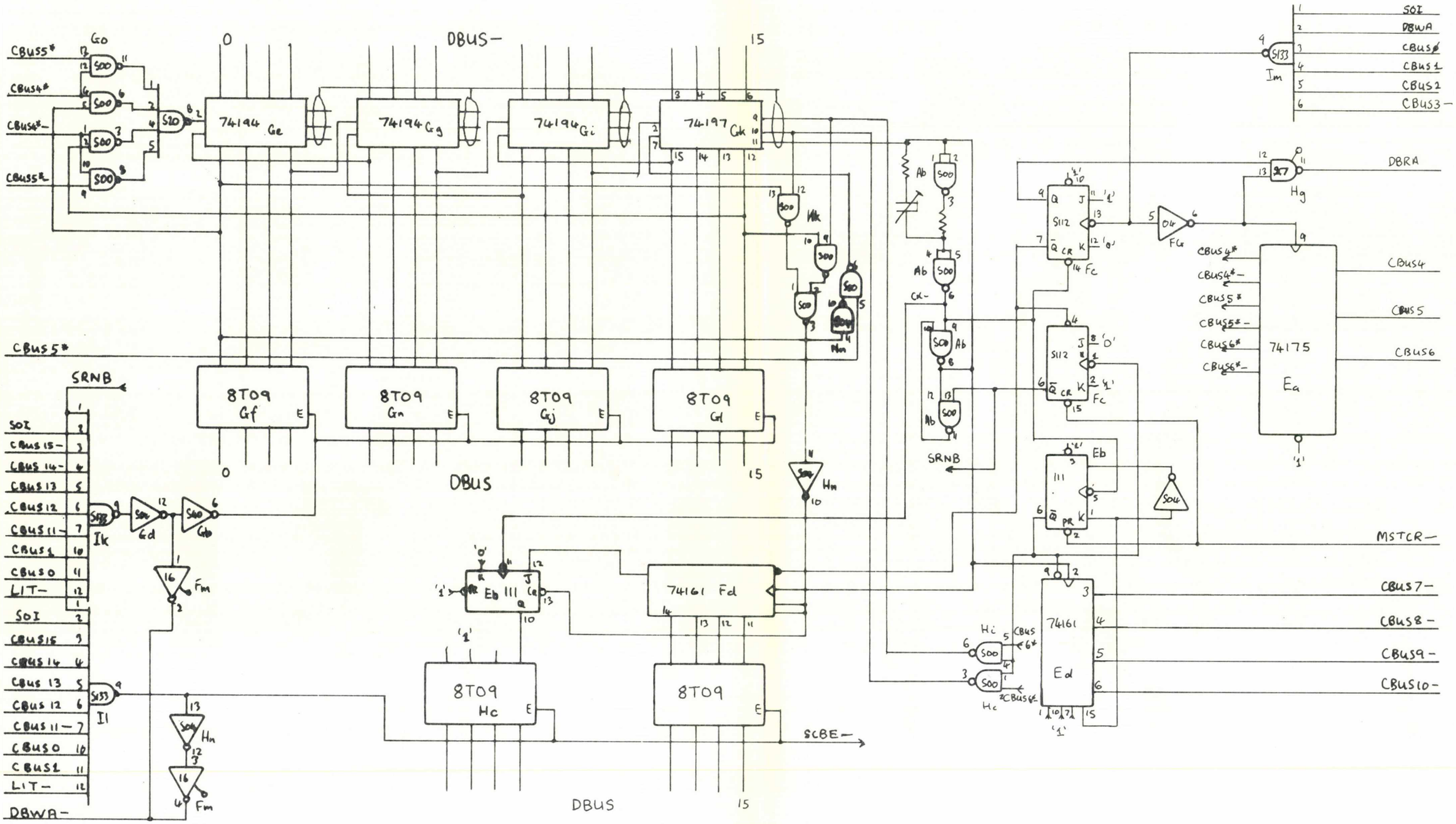


FIGURE 6.24 Shifter & Bit Counter Module

DRG. No.

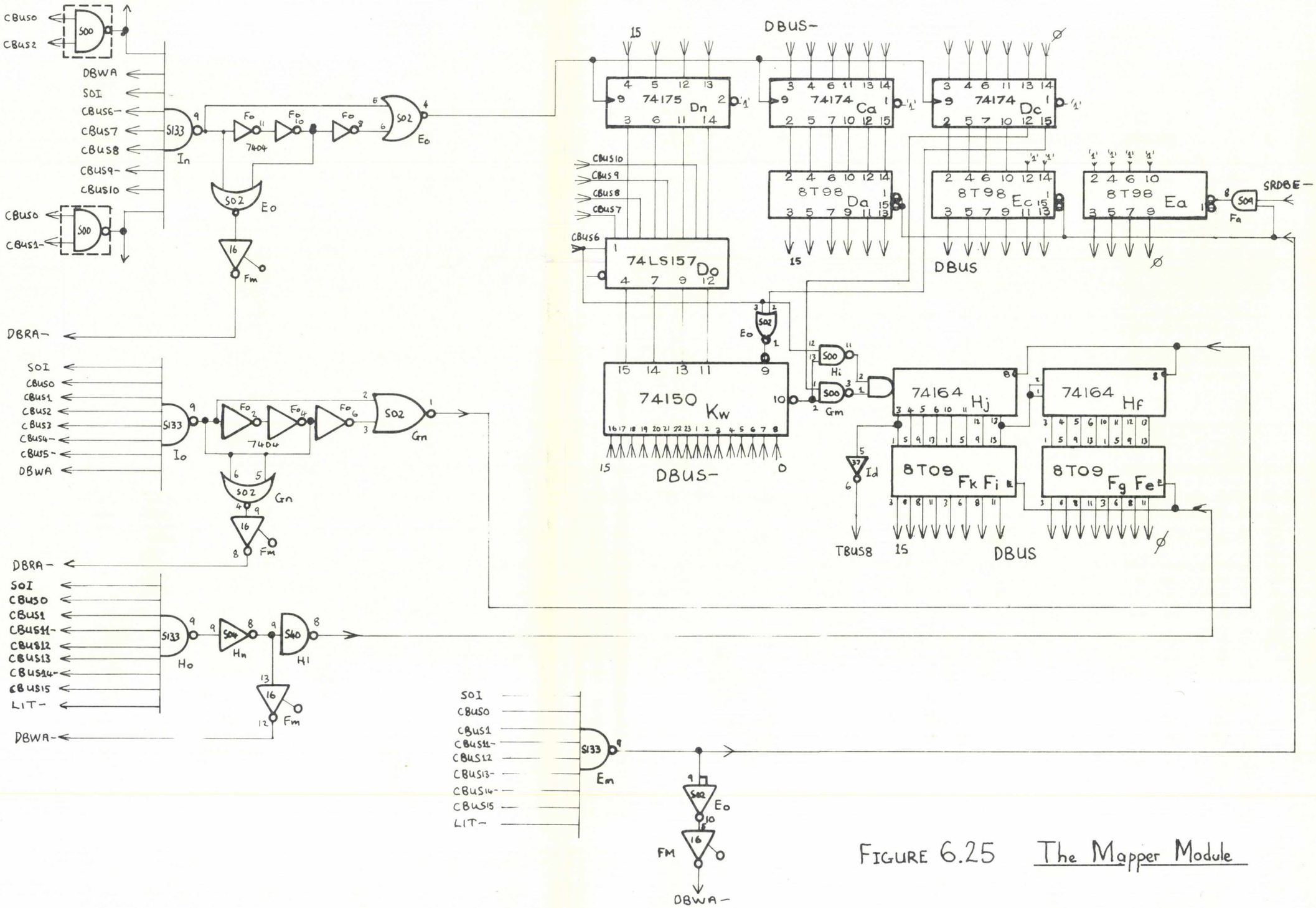


FIGURE 6.25 The Mapper Module

BRUNEL UNIVERSITY KINGSTON LANE UXBRIDGE MIDDX.		SCALE
SCHOOL OF ENGINEERING	DEPT. OF ELECTRICAL ENG.	DRG. No.
TITLE		

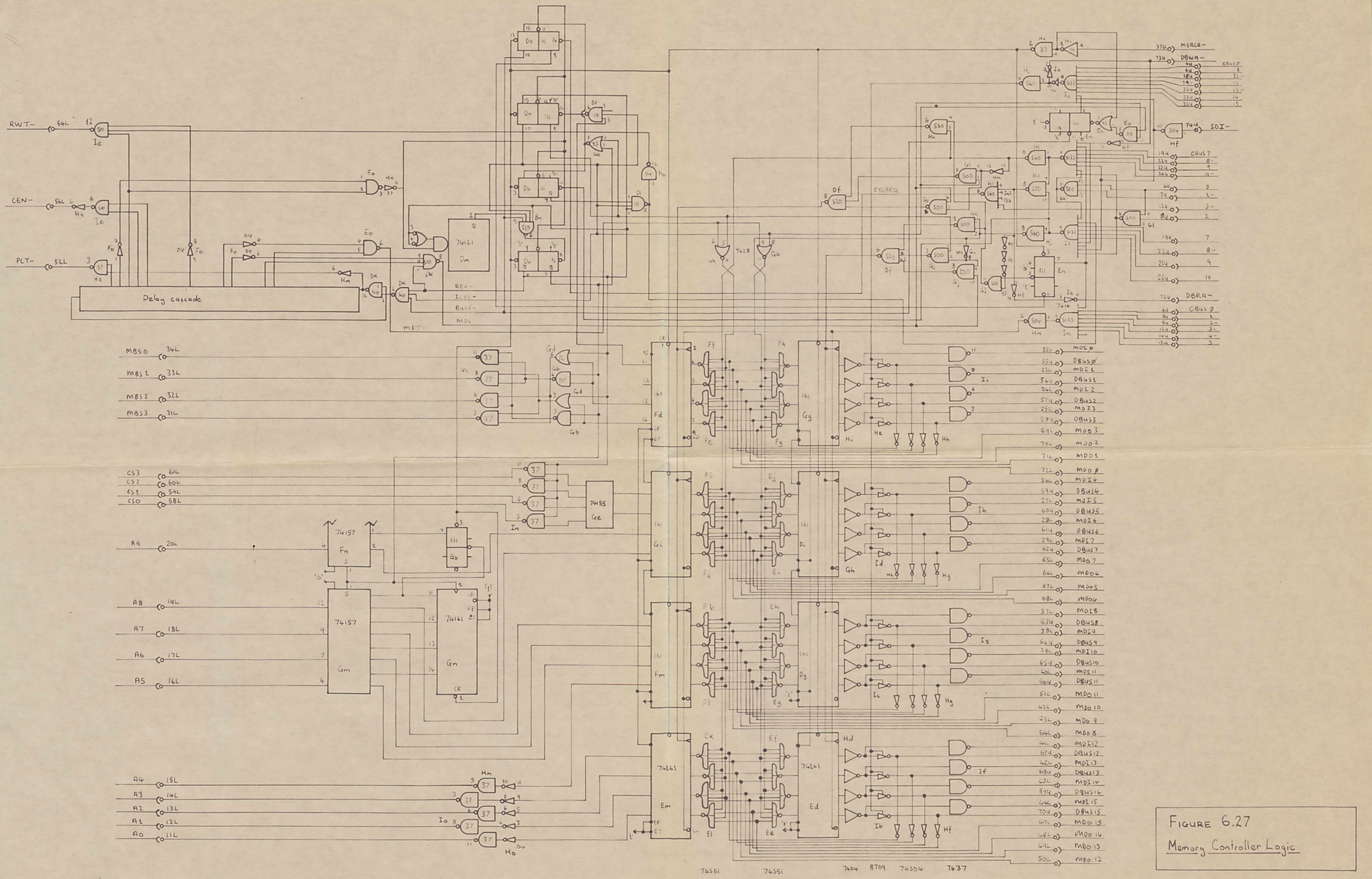


FIGURE 6.27
Memory Controller Logic

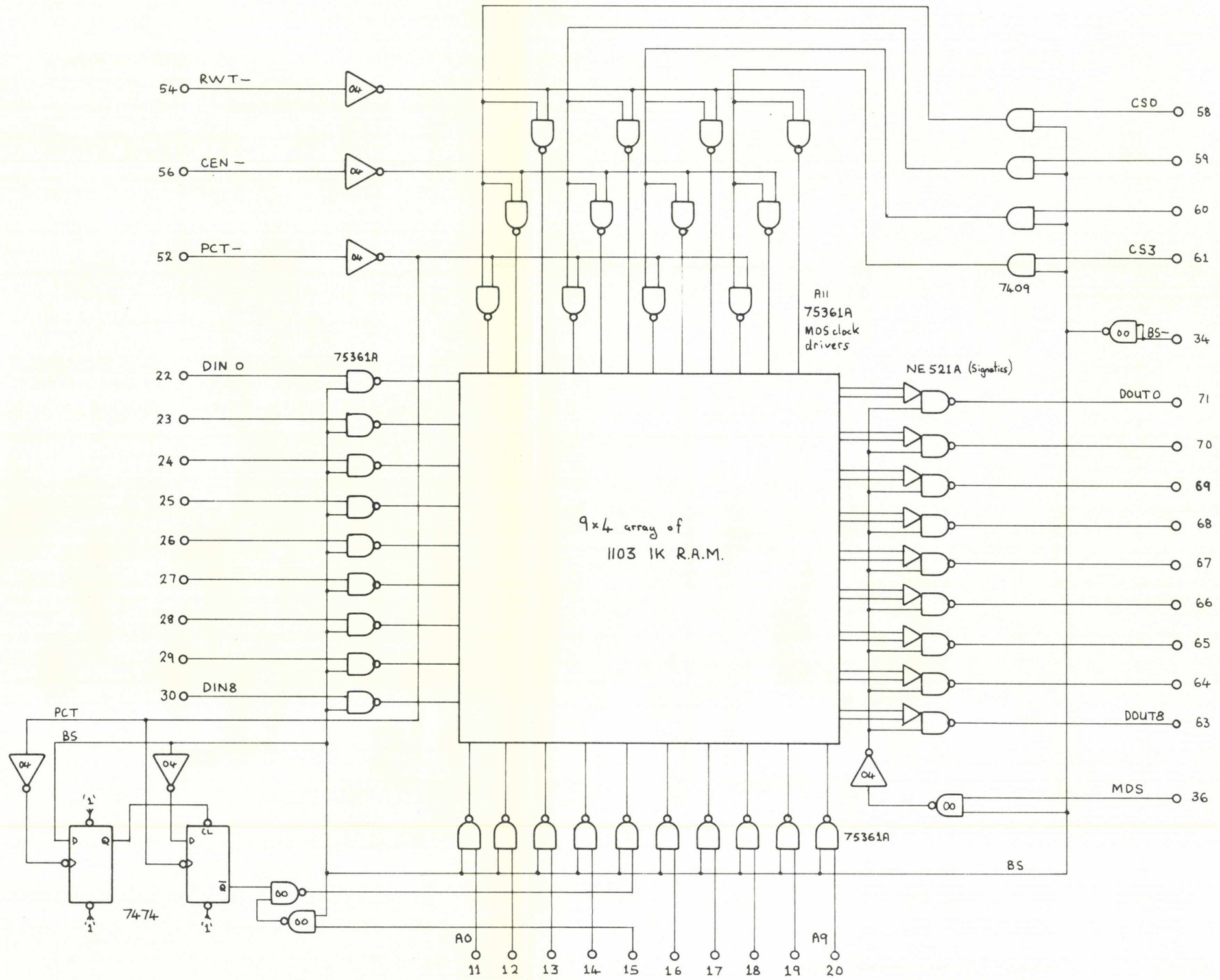


FIGURE 6.28 M.O.S. Memory Board

DRG. No.
MMP/10

DBUS DISPLAY

FNBUS DISPLAY

TBUS DISPLAY

KEYSWITCH REGISTER
SOURCE ADDRESS '1ø

FIGURE 6.31./P.

DRAWN	DATE
R.J.Glover.	26/10/76
APPROVED	DATE

TITLE: MINERVA MODULAR PROCESSOR :- KEYSWITCH & BUS DISPLAY MODULE.

BRUNEL UNIVERSITY
KINGSTON LANE
UXBRIDGE MIDDX.
TEL 37188 EXT 308
SCHOOL OF:- ENGINEERING
DEPT. OF:- ELECTRICAL ENG. & Electronics.

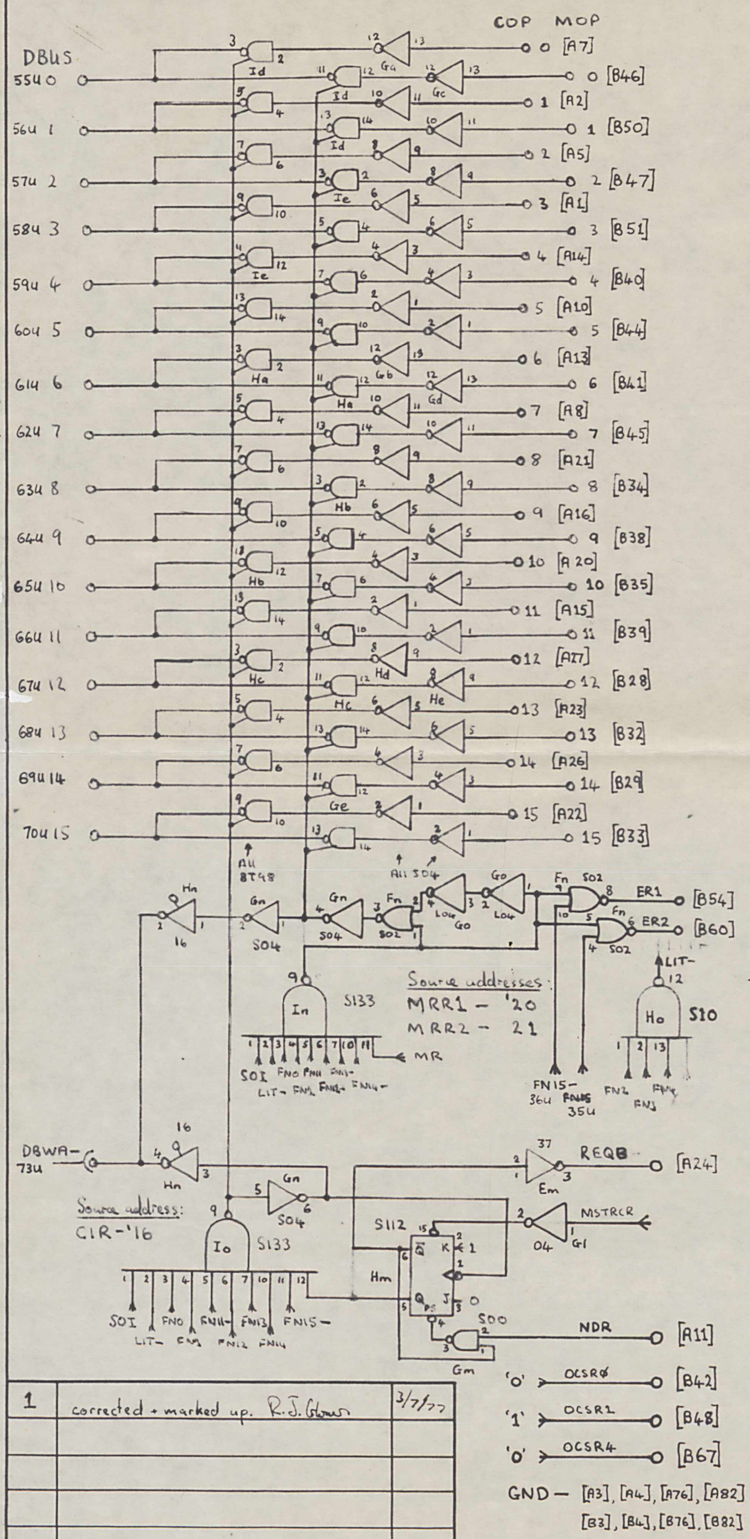
DRG. No. MMP/10

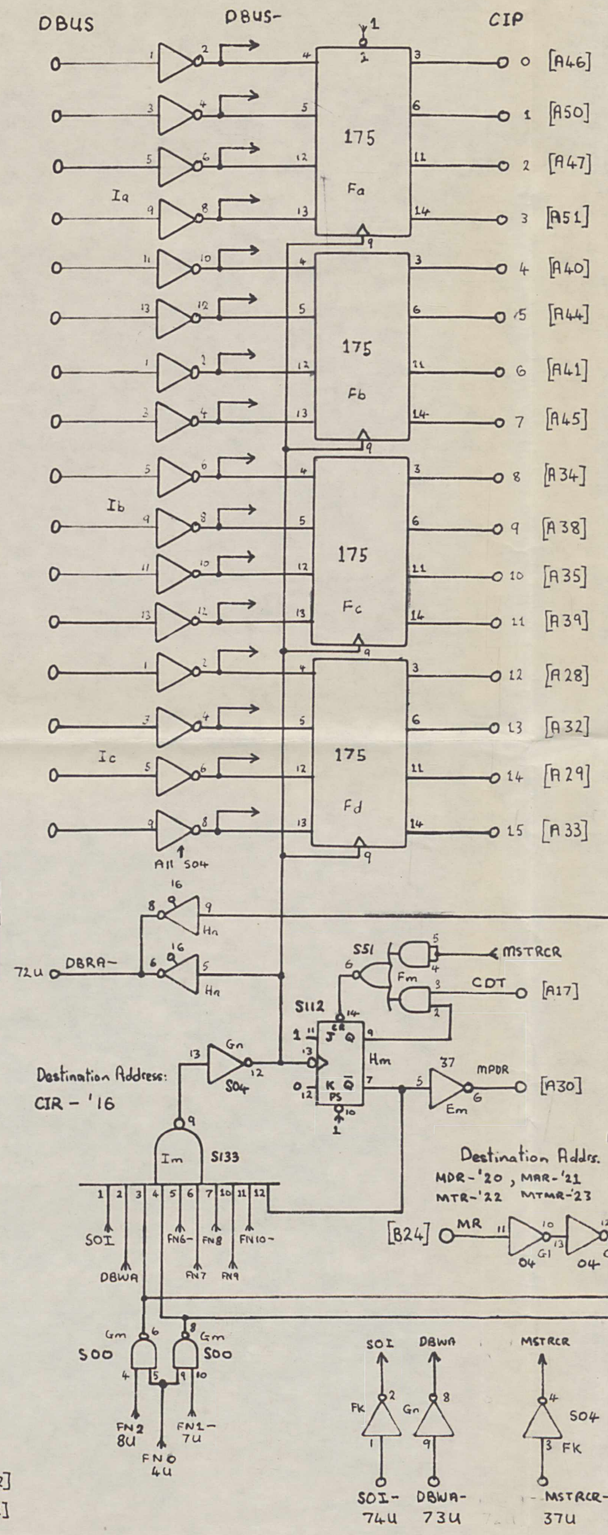
ISSUE No.	ALTERATION	DATE
1		29/10/76
2	marked up	14/6/77

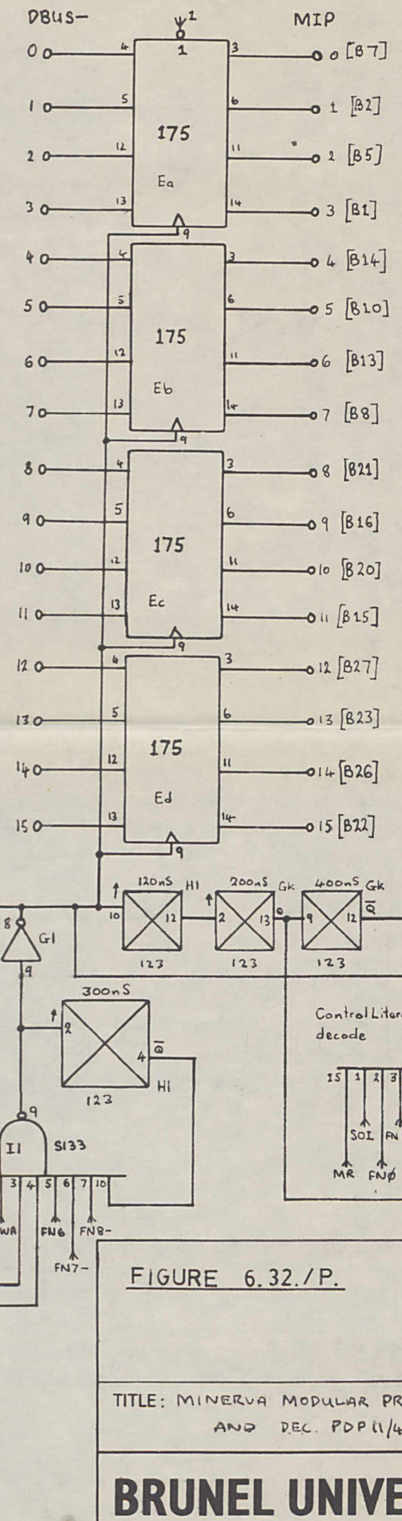
FOR EXPLANATION OF DIMENSIONS, NOTES ETC., SEE BS 308.

DRG. No.
MMP 11.

Minerva μ-orders







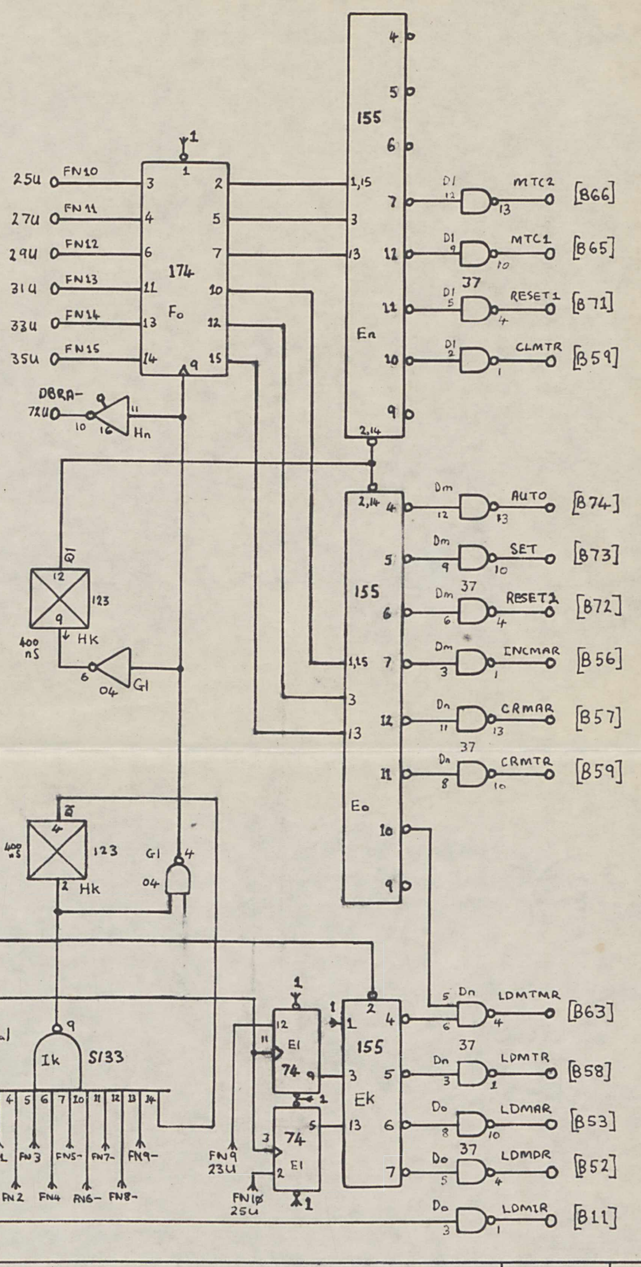


FIGURE 6.32./P.

DRAWN	DATE
APPROVED	DATE
R.J.Glowes	12/12/76.

TITLE: MINERVA MODULAR PROCESSOR INTERFACE TO NETWORK HARDWARE AND DEC. PDP11/40.

BRUNEL UNIVERSITY KINGSTON LANE UXBRIDGE MIDDX.

SCHOOL OF:- ENGINEERING

DEPT. OF:- Electrical Engineering and Electronics.

DRG. No. MMP 11.

ISSUE No.	ALTERATION	DATE
1	corrected + marked up. R.J.Glowes	3/7/77

Key: [Bn] - MINERVA Interface connector ; [An] - Computer interface connector.

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