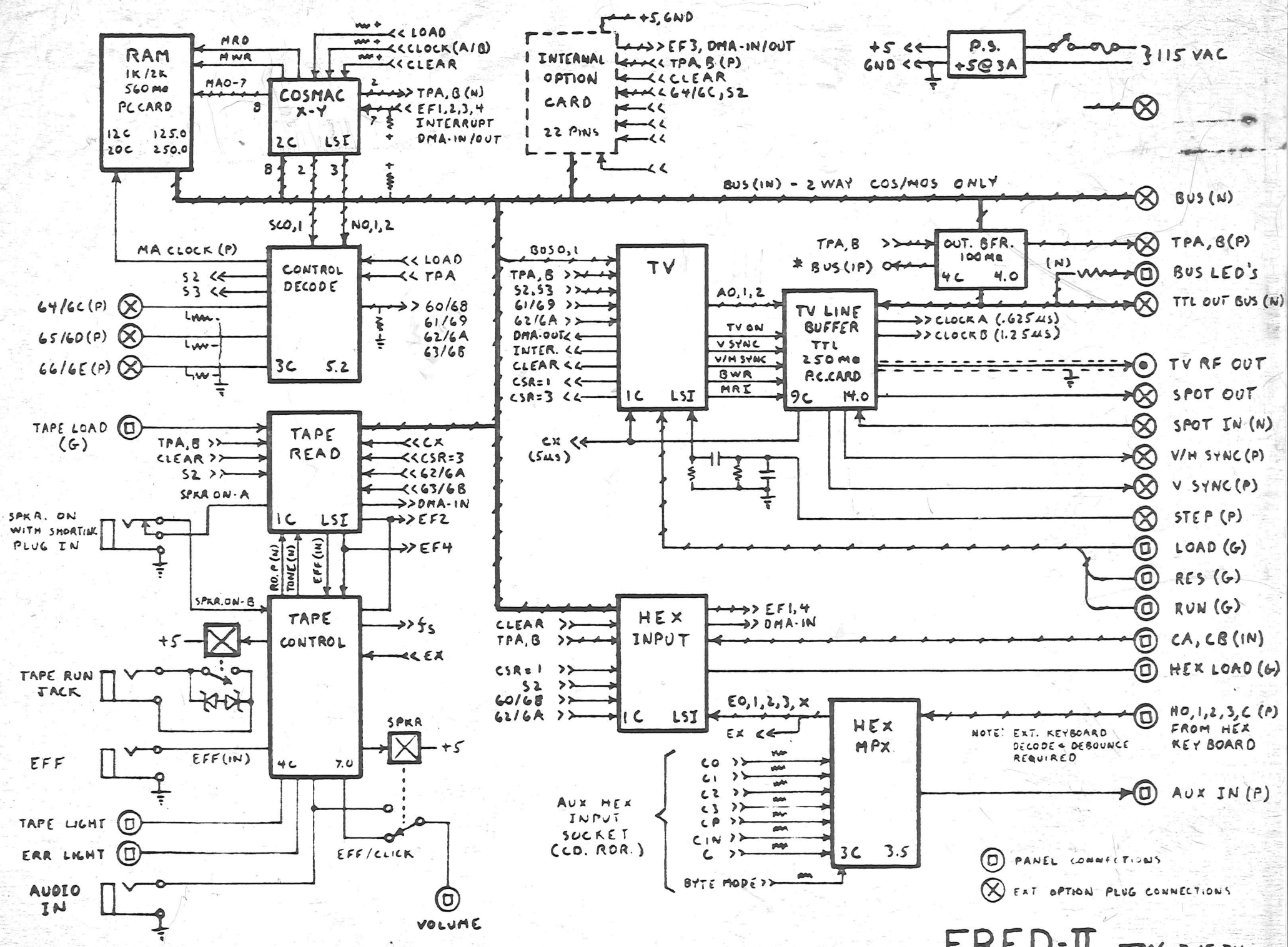
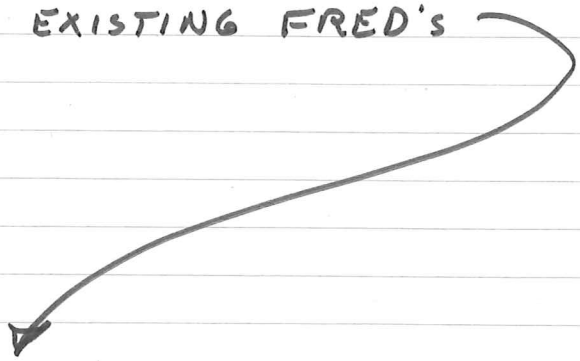


FRED-II JAW 7-15-74

1. MICROTUTORS
2. ADD OPTION BOARDS TO 2 EXISTING FRED's
3. 1 NEW FRED



MAIN BOARD: JUMPER OPTION PAD # 18 TO EC-R (DMA-IN).
JUMPER PAD H TO PAD F

OPTION BOARD: PADS C1-C10 → AC PINS 1-10
PADS C11-C20 → AC PINS A-L
TWISTED PAIR → WRITE JACK.
CLOCK → TV BFR. BOARD PIN 5

OPTIONAL CARD TEST

1. RUN EXISTING PROGRAMS

2. CHECK +5, GND, & CLOCK PINS

3.

400	21FF	FF → VI
2	E18F	VI → EXT
4	F4Φ2	REPEAT

CHECK 8 BUS OUT LINES & OUT PULSE (for mach cycle time ≤ 10 μs)

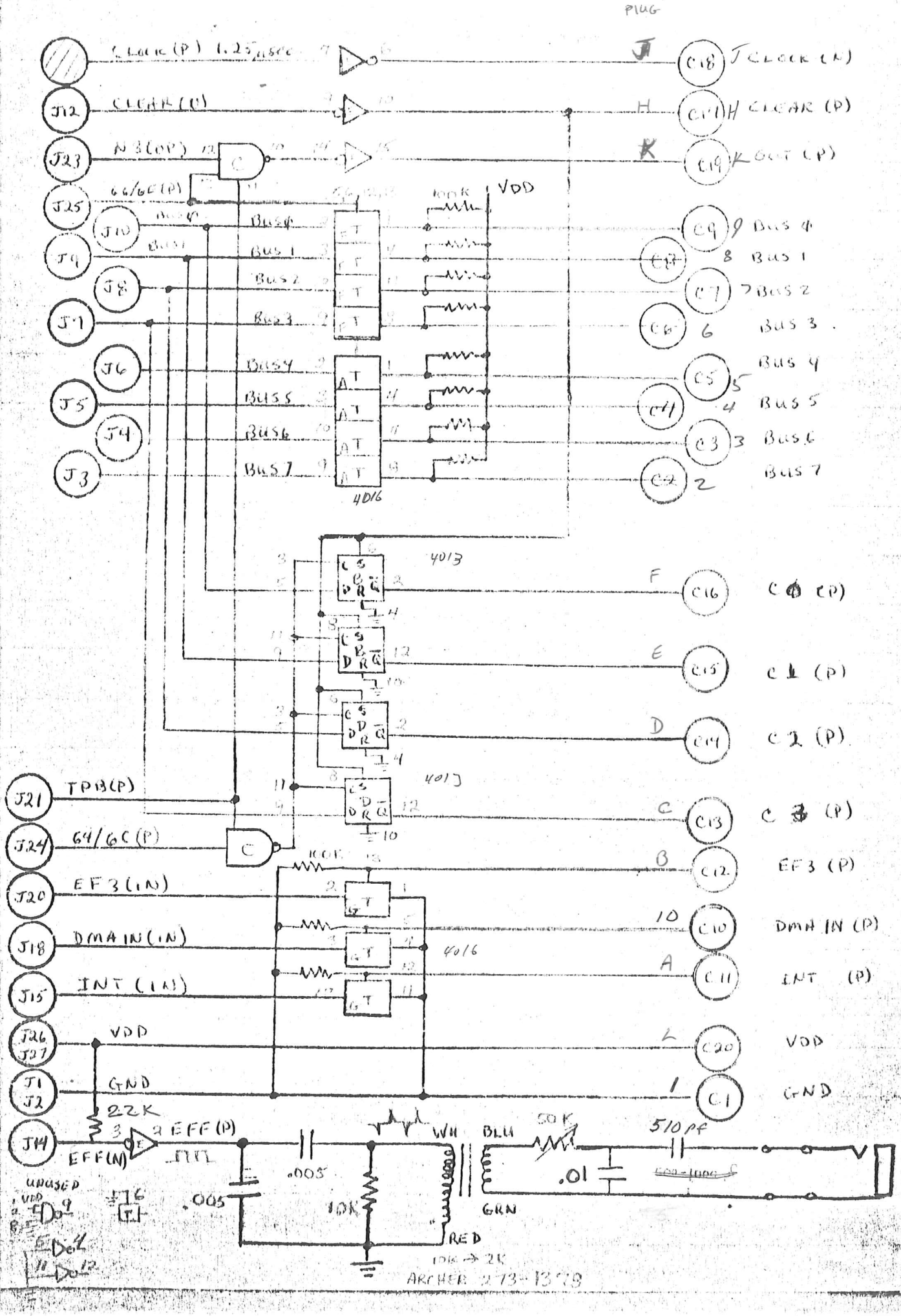
400	21FF	FF → VI
2	E191	VI → EXT R.
4	21ΦΦ	ΦΦ → VI
6	E191	VI → EXT R.
8	F4ΦΦ	REPEAT

CHECK 4 OUT FF LINES.

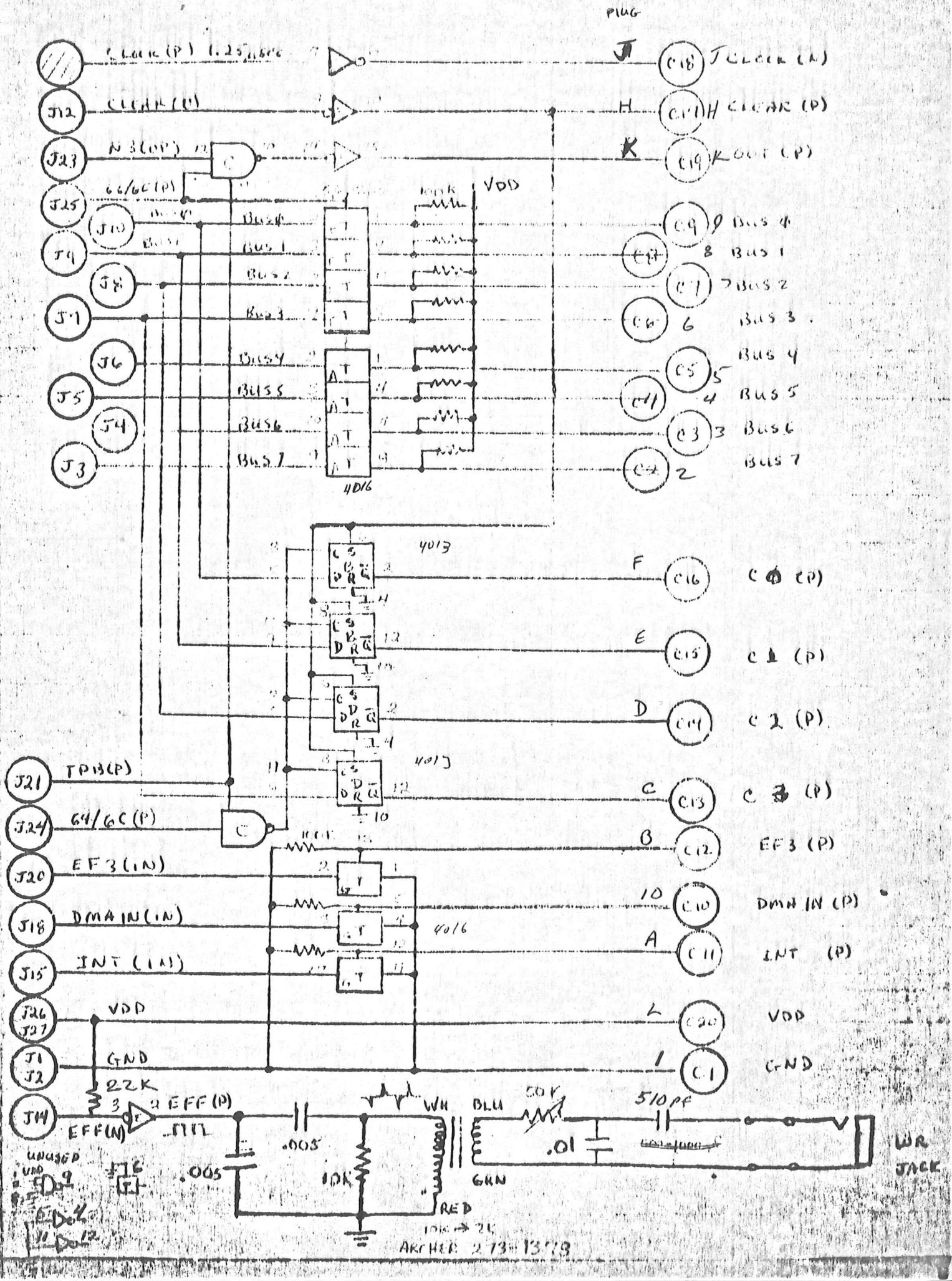
FRED DEMO – LANG.

2B4 = 3Φ (~~FF~~ WAS 3B)
BB = 3Φ (WAS 3A).

FRED II - OPTION CARD



FRED II - OPTION CARD



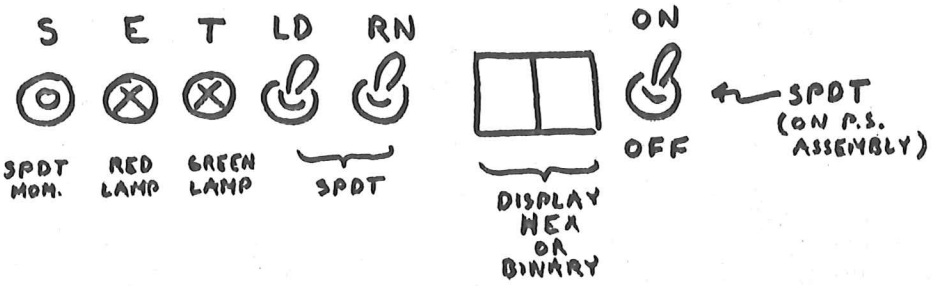


FIGURE 5

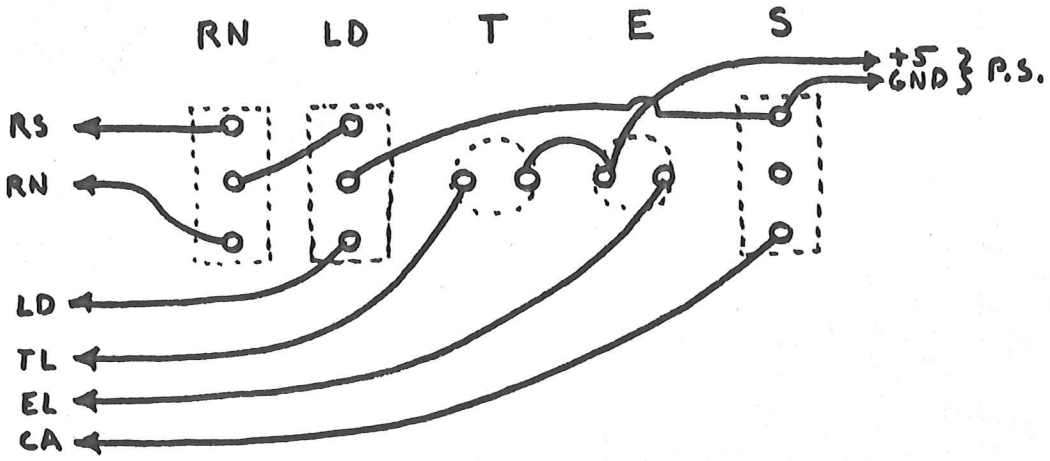


FIGURE 6

JAW 5-75

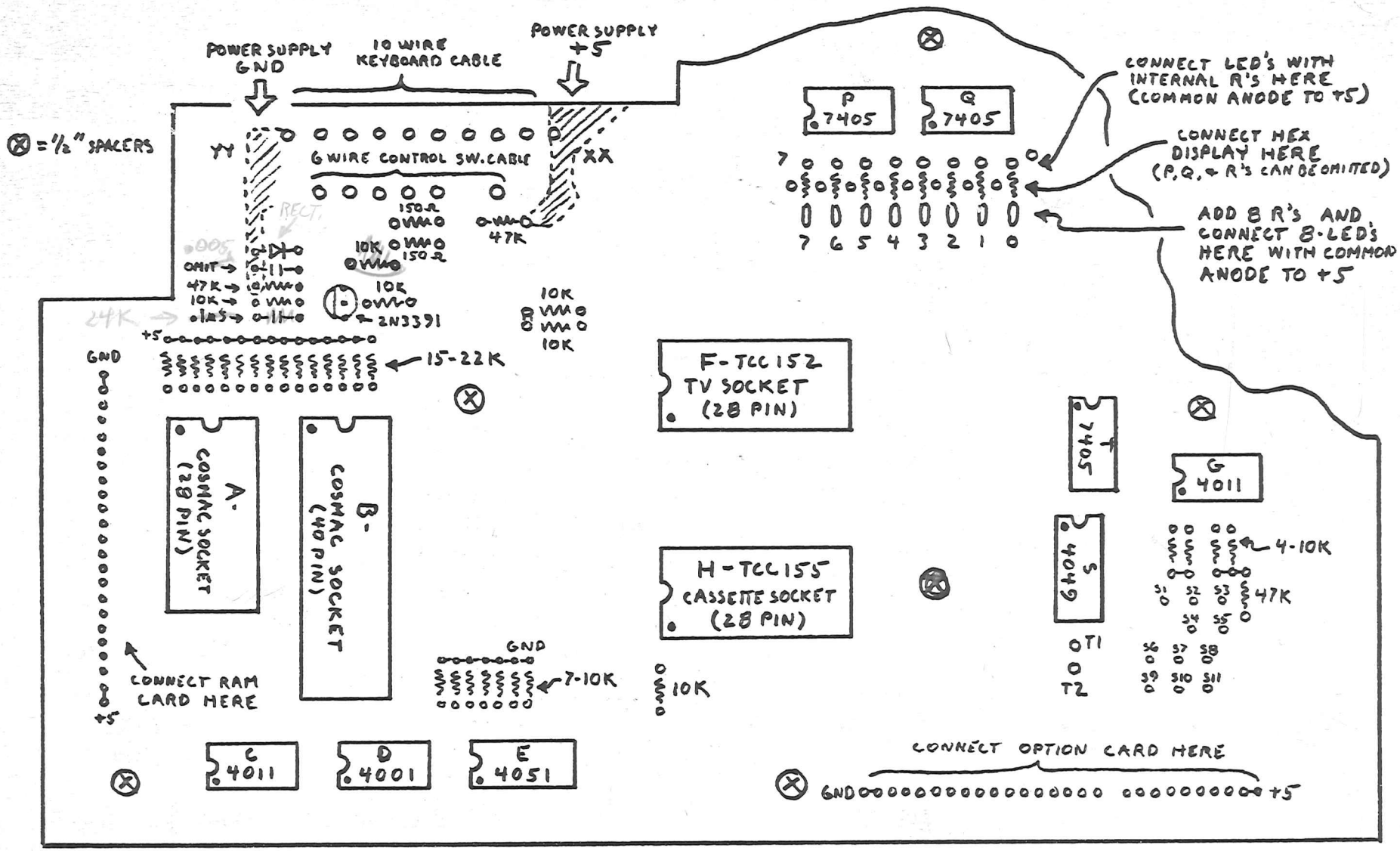


FIGURE 1

JAW 5-75

FRED-II INITIAL CHECK OUT.

A. POWER ON! +5 CURRENT SHOULD BE 600-800 ma. TPA/B SHOULD APPEAR WITH "LD" UP.
B. ADJUST CLOCK BY SETTING V SYNC = 60 ~
C. CHECK HEX & BYTE KEYBOARD LOAD MODES.
D. WITH "T" UP SET TV CHANNEL FREQUENCY (CHANNEL 4) AND CHECK TV PICTURE.
E. WITH CASSETTE PLAYER & STD. 4.17KC TONE TAPE ADJUST TONE DETECTOR CARD.
F. LOAD & RUN PROGRAMS INCLUDING M TEST.