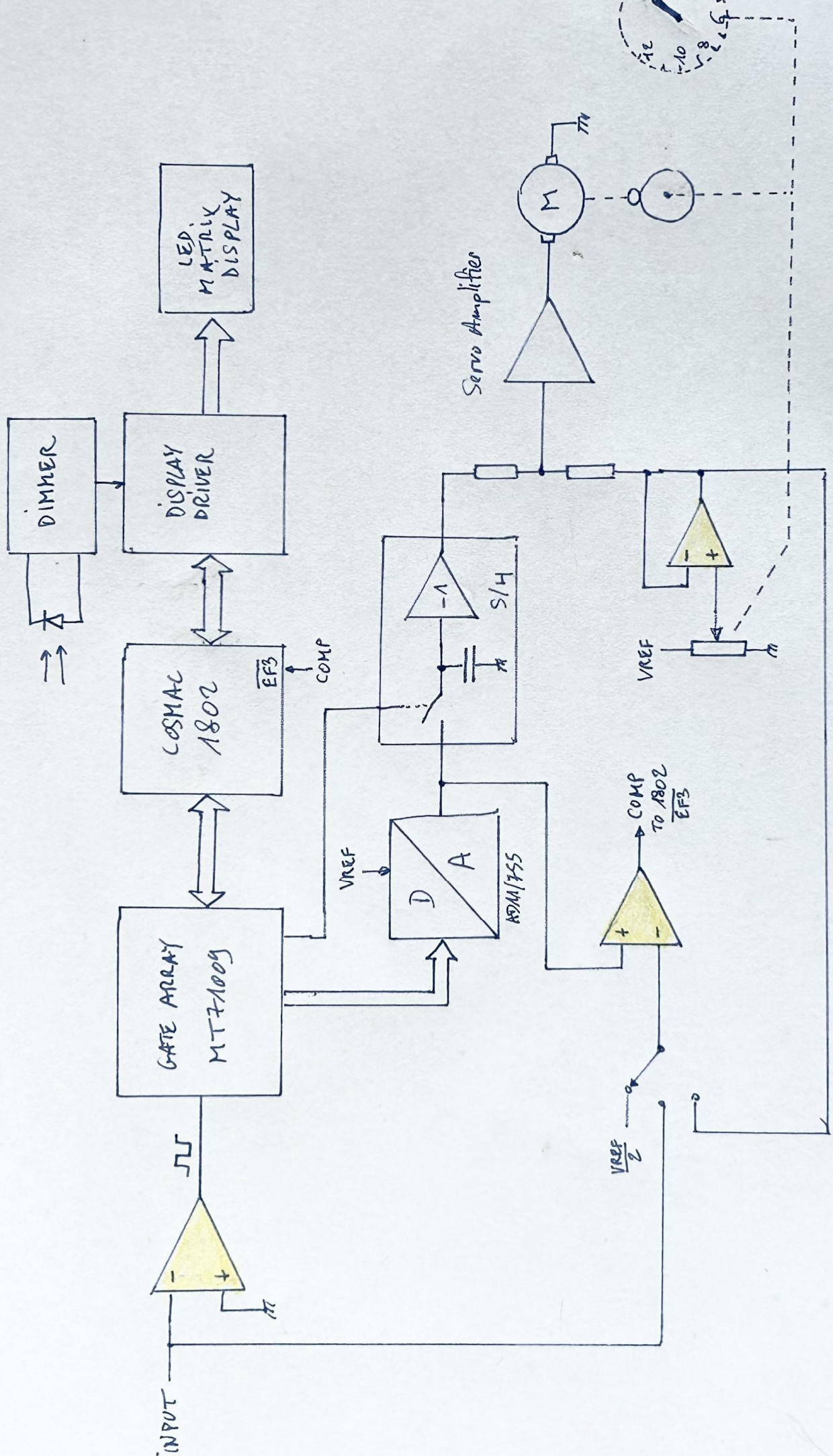
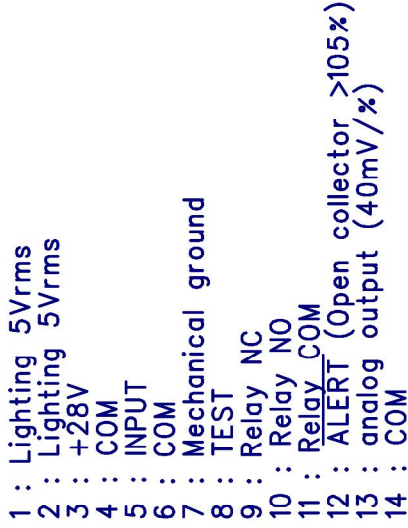
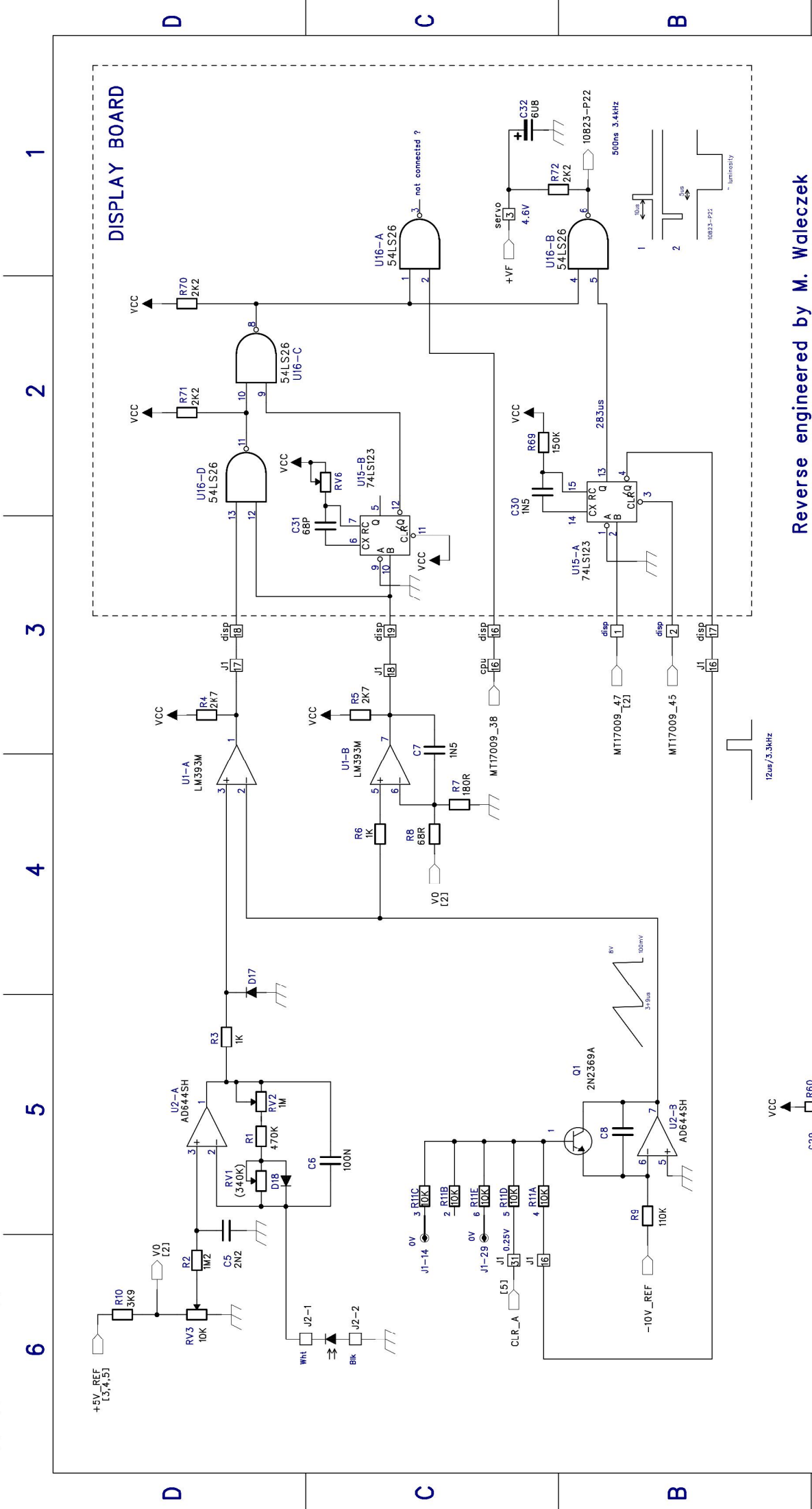
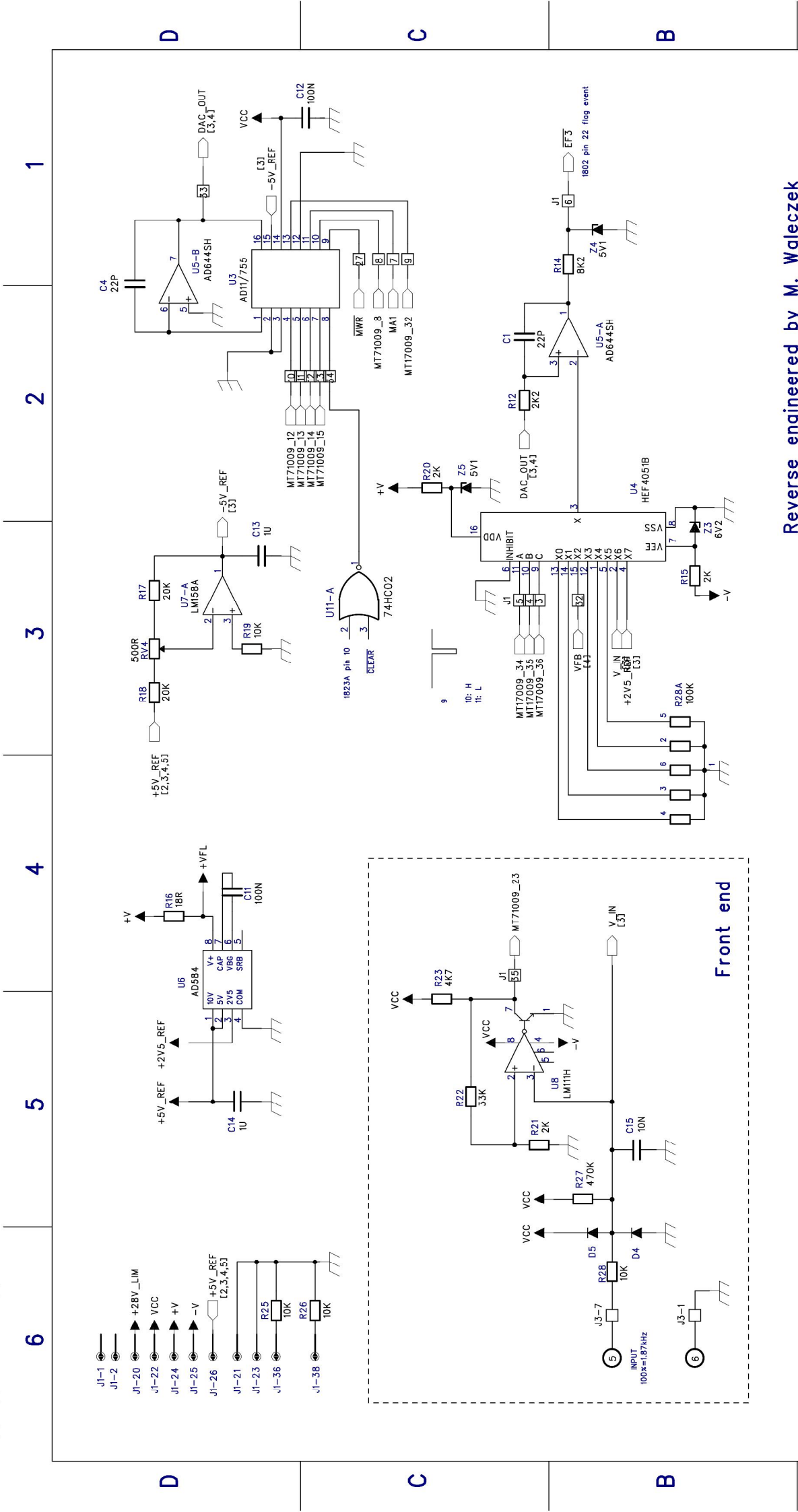




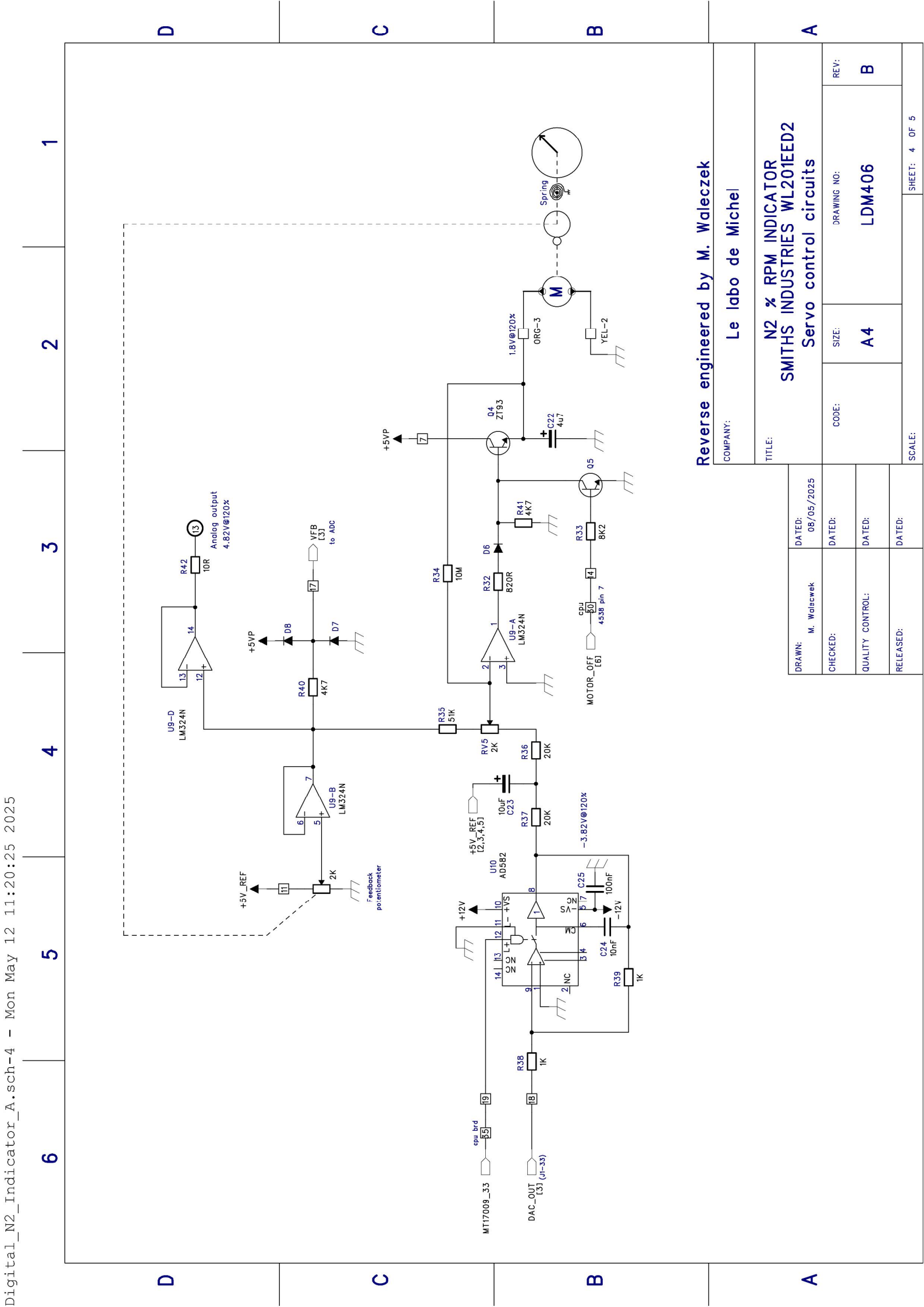
A



Reverse engineered by M. Waleczek		Le labo de Michel	
COMPANY:		TITLE:	
DRAWN: M. Waleczek		N2 % RPM INDICATOR	
CHECKED:		SMITHS INDUSTRIES WL201EED2	
QUALITY CONTROL:		Dimmer circuits	
RELEASED:		REV: B	
DATED: 08/05/2025		DRAWING NO: LDM406	
CODE:		SIZE: A4	
DATED:		SCALE:	
DATED:		SHEET: 2 OF 6	



Reverse engineered by M. Waleczek			
Le labo de Michel			
TITLE: N2 % RPM INDICATOR SMITHS INDUSTRIES WL201EED2 DAC & ADC			
DRAWN: M. Waleczek	DATED: 08/05/2025	CODE:	REV: B
CHECKED:	DATED:	SIZE: A4	DRAWING NO: LDM406
QUALITY CONTROL:	DATED:		
RELEASED:	DATED:		
SCALE:		SHEET: 3 OF 6	

[illegible][illegible]

Digital_N2_Indicator_A.sch-4 - Mon May 12 11:20:25 2025

1

2

3

4

5

6

D

C

B

A

The circuit schematic illustrates a servo motor control system. It features a DAC output (DAC_OUT [3]) connected to a CPU board (CPU BRD [5]), which provides a +5V reference (+5V_REF [2,5,4,5]). The DAC output is connected to a feedback potentiometer (RV5 [2K]) and a feedback network (R38 [1K], R39 [1K]). The feedback potentiometer is connected to the non-inverting input of an op-amp (U9-B, LM324N). The op-amp is configured as a voltage follower. The output of the op-amp is connected to the base of a transistor (Q4, ZT93), which drives a servo motor (M). The servo motor is connected to a spring (Spring) and a potentiometer (POT). The servo motor is also connected to a feedback network (R34 [10M], R35 [51K], R36 [20K], R37 [20K], R38 [1K], R39 [1K]). The servo motor is connected to a feedback network (R34 [10M], R35 [51K], R36 [20K], R37 [20K], R38 [1K], R39 [1K]). The servo motor is connected to a feedback network (R34 [10M], R35 [51K], R36 [20K], R37 [20K], R38 [1K], R39 [1K]).

Reverse engineered by M. Waleczek

COMPANY:

Le labo de Michel

TITLE:

N2 % RPM INDICATOR
SMITHS INDUSTRIES WL201EED2
Servo control circuits

DRAWN:

M. Waleczek

DATED:

08/05/2025

CHECKED:

DATED:

QUALITY CONTROL:

DATED:

RELEASED:

DATED:

CODE:

SIZE:

DRAWING NO:

LDM406

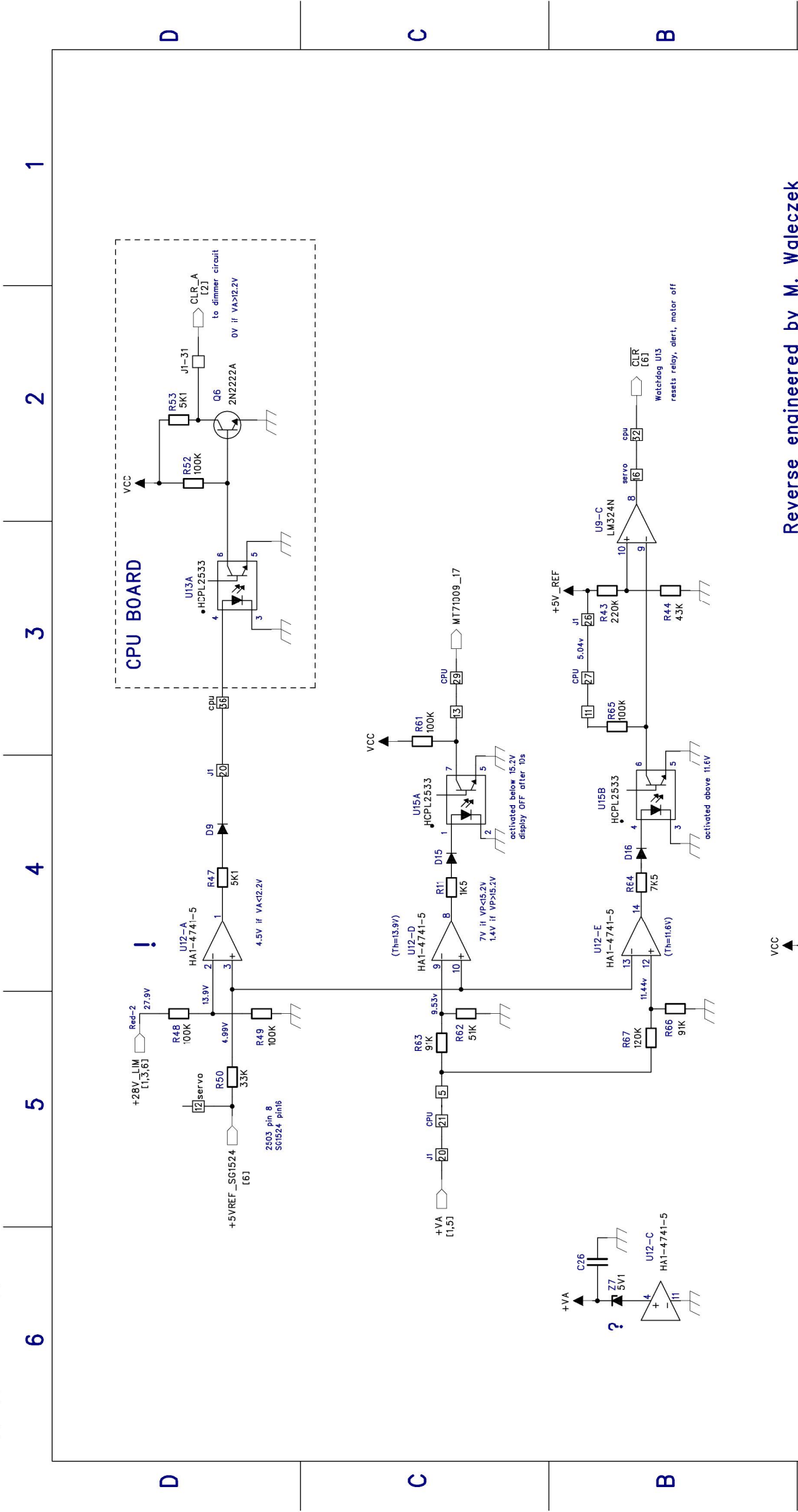
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B

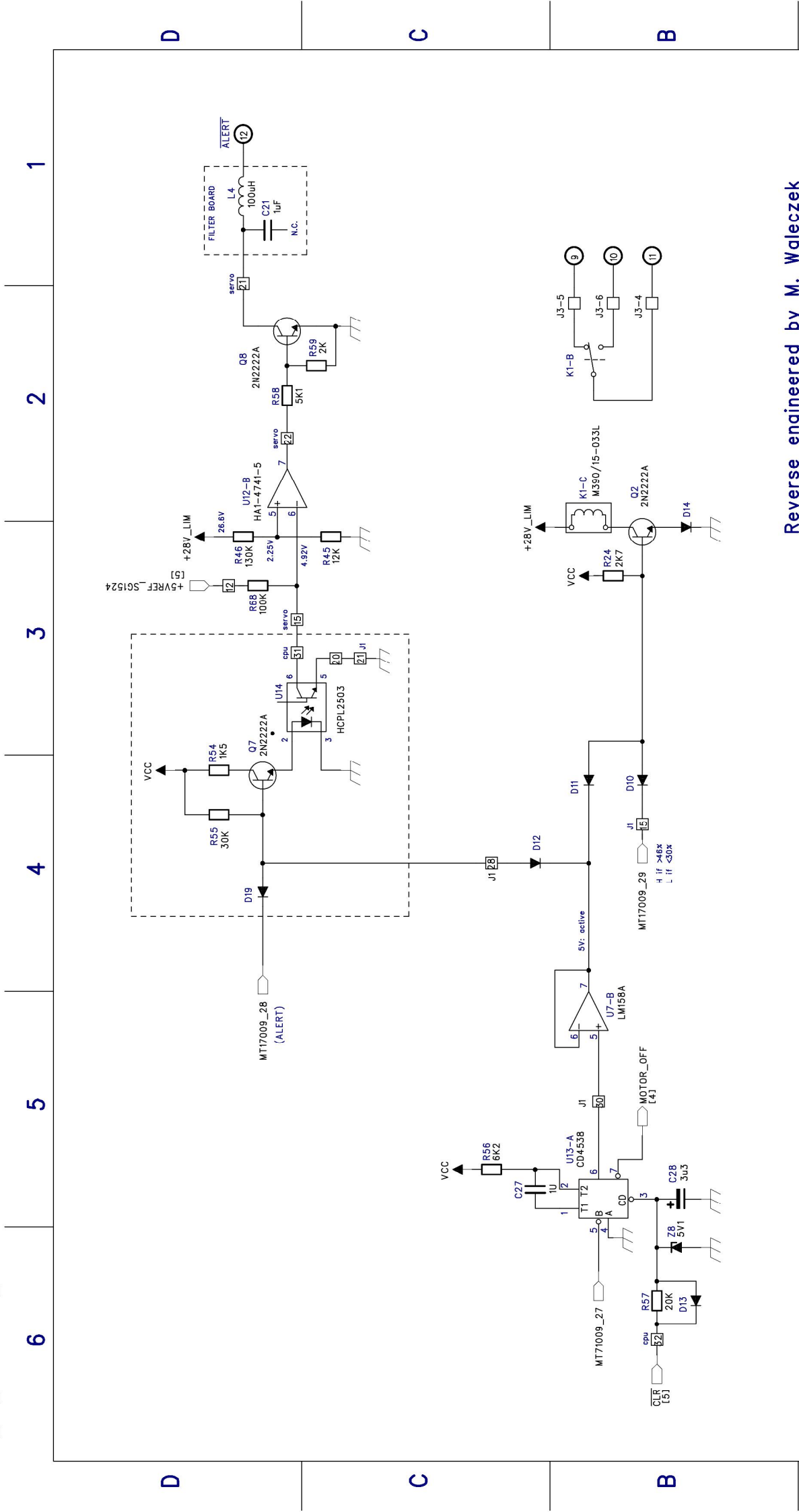
SCALE:

SHEET: 4 OF 5

[illegible][illegible]



Reverse engineered by M. Waleczek		Le labo de Michel	
COMPANY:		TITLE:	
DRAWN: M. Waleczek		SMITHS INDUSTRIES WL201EED2	
CHECKED:		Monitor circuits	
QUALITY CONTROL:		REV: B	
RELEASED:		DRAWING NO: LDM406	
DATED: 08/05/2025		CODE:	
DATED:		SIZE:	
DATED:		SCALE: 5 OF 6	



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Le labo de Michel

SMITHS INDUSTRIES WL201EED2
Alert circuits

DRAWN: M. Waleczek	DATED: 09/05/2025	REV: B
CHECKED:	DATED:	DRAWING NO: LDM406
QUALITY CONTROL:	DATED:	SCALE:
RELEASED:	DATED:	SHEET: 6 OF 6