

JOHANNUS

SCHEMATIC DIAGRAMS

C H 3 5

(LIGHTED DRAWSTOPS)

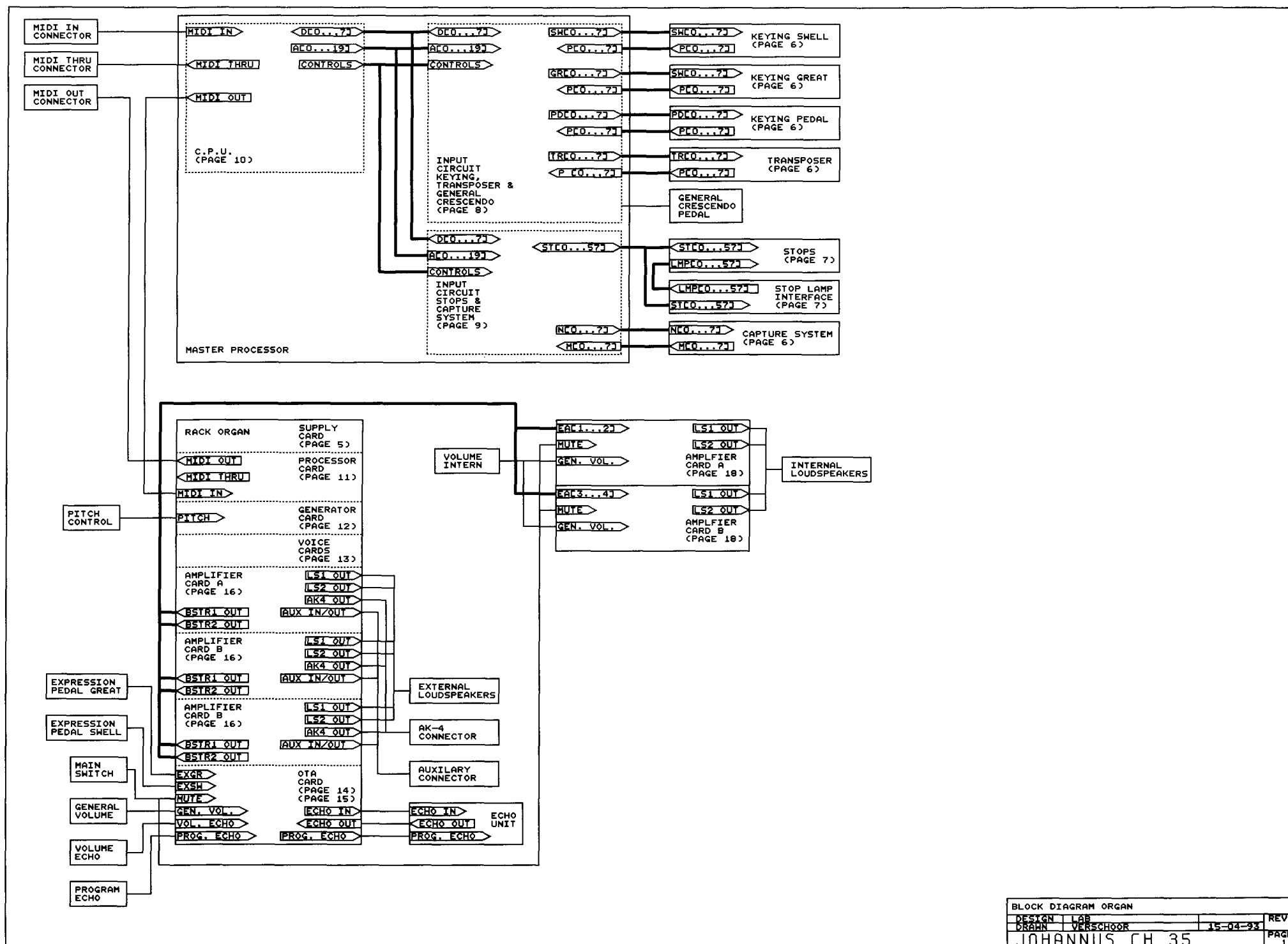
ALTERATIONS RESERVED

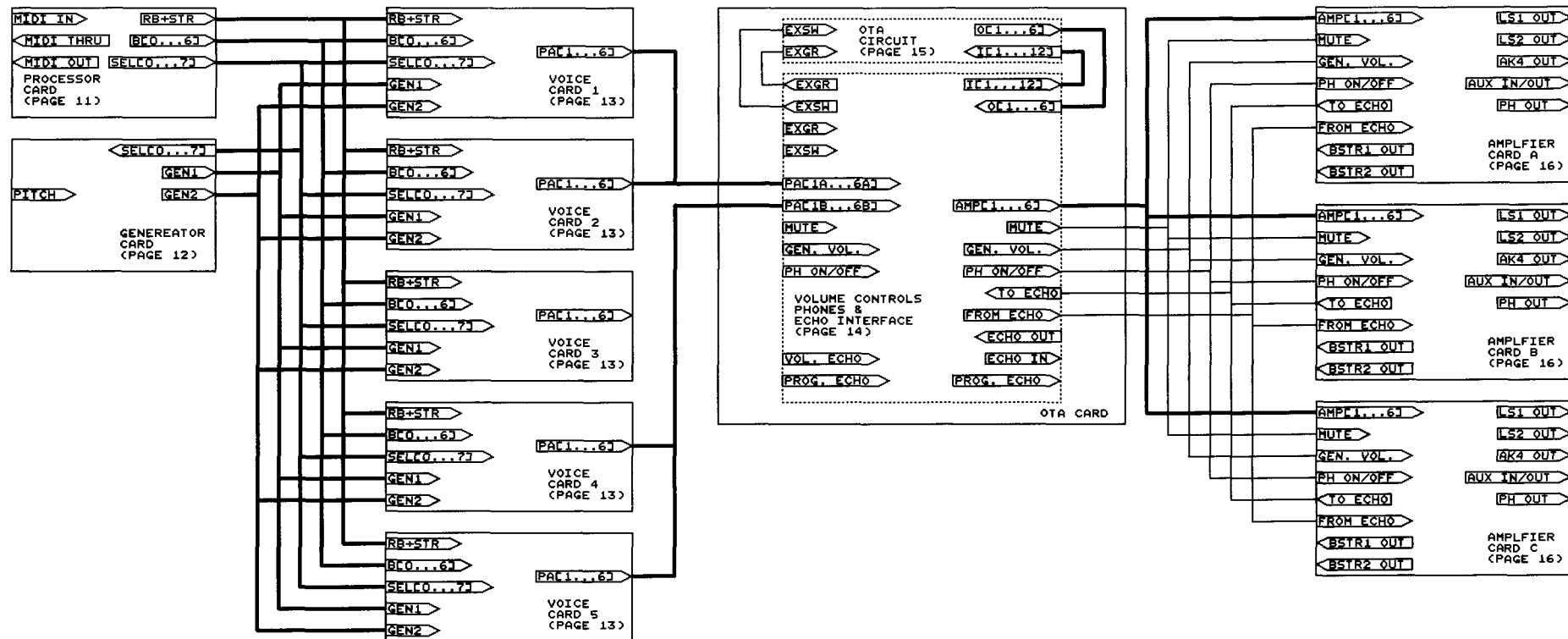
JOHANNUS Orgelbouw b.v.

Morsetstraat 28 - 6716 AH Ede - Tel. (08380) 37403 - Fax (08380) 22238

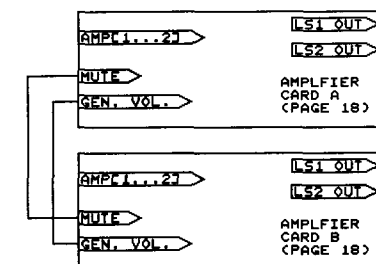
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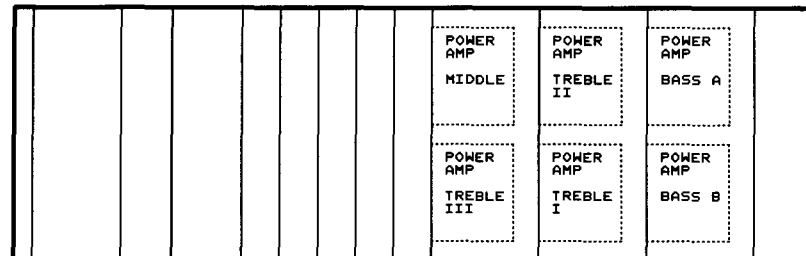


RACK ORGAN



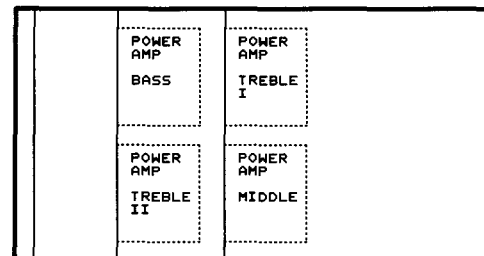
RACK EXTRA AMPLIFIER

POWER SUPPLY CARD
PROCESSOR CARD
GENERATOR CARD
VOICE CARD 1
VOICE CARD 2
VOICE CARD 3
VOICE CARD 4
VOICE CARD 5
AMPLIFIER CARD A
AMPLIFIER CARD B
OTA-CARD



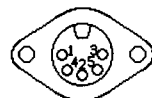
RACK ORGAN

POWER SUPPLY CARD
AMPLIFIER CARD A
AMPLIFIER CARD B



RACK EXTRA AMPLIFIERS

1. NOT CONNECTED
2. NOT CONNECTED
3. NOT CONNECTED
4. +5V MIDI IN
5. MIDI IN



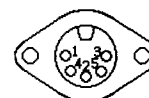
MIDI IN

1. NOT CONNECTED
2. NOT CONNECTED
3. NOT CONNECTED
4. +5V MIDI THRU
5. MIDI THRU



MIDI THRU

1. NOT CONNECTED
2. NOT CONNECTED
3. NOT CONNECTED
4. +5V MIDI OUT
5. MIDI OUT



MIDI OUT

1. AK-4 OUT CHANNEL A
2. GROUND
3. NOT CONNECTED
4. AK-4 OUT CHANNEL B
5. NOT CONNECTED



AK-4 OUT

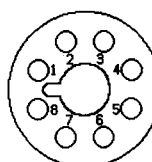
1. AUX OUT CHANNEL A
2. GROUND
3. AUX IN CHANNEL A
4. AUX OUT CHANNEL B
5. AUX IN CHANNEL B



AUX IN/OUT

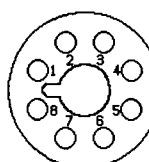
SOLDERING SIDE VIEW

1. - BASS A AMPLIFIER
2. + BASS A AMPLIFIER
3. - BASS B AMPLIFIER
4. + BASS B AMPLIFIER



LS OUT A

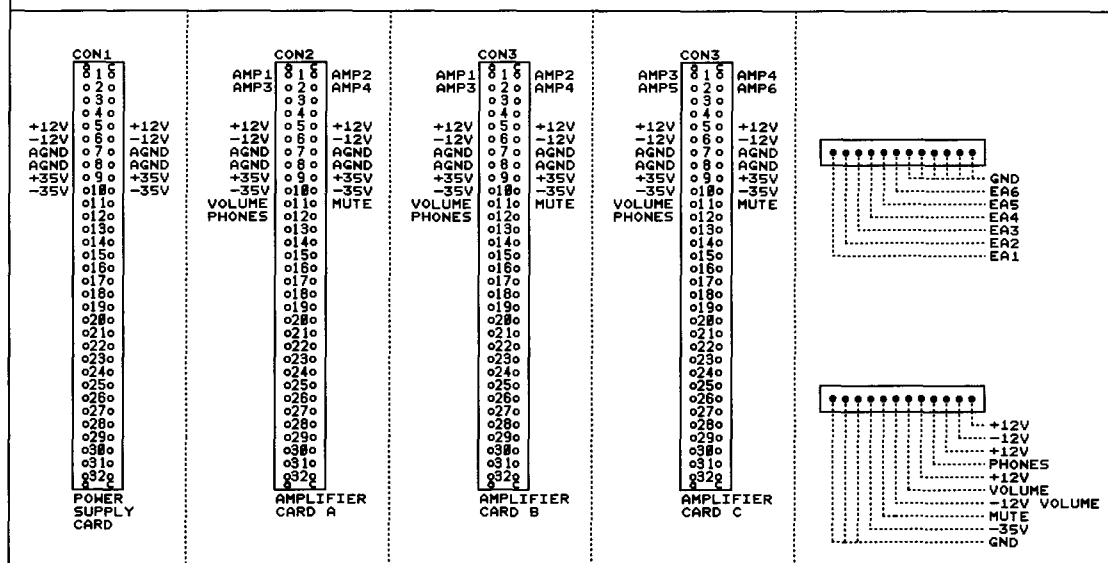
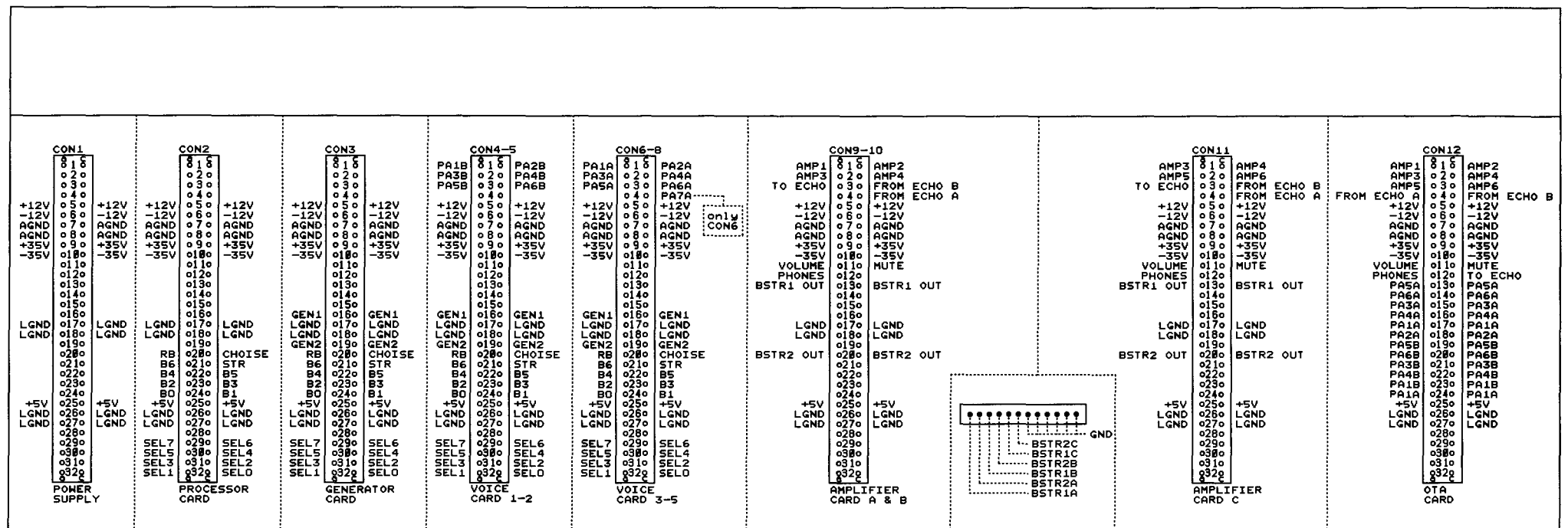
1. - MIDDLE AMPLIFIER
2. + MIDDLE AMPLIFIER
3. - TREBLE I AMPLIFIER
4. + TREBLE I AMPLIFIER
5. - TREBLE II AMPLIFIER
6. + TREBLE II AMPLIFIER
7. - TREBLE III AMPLIFIER
8. + TREBLE III AMPLIFIER

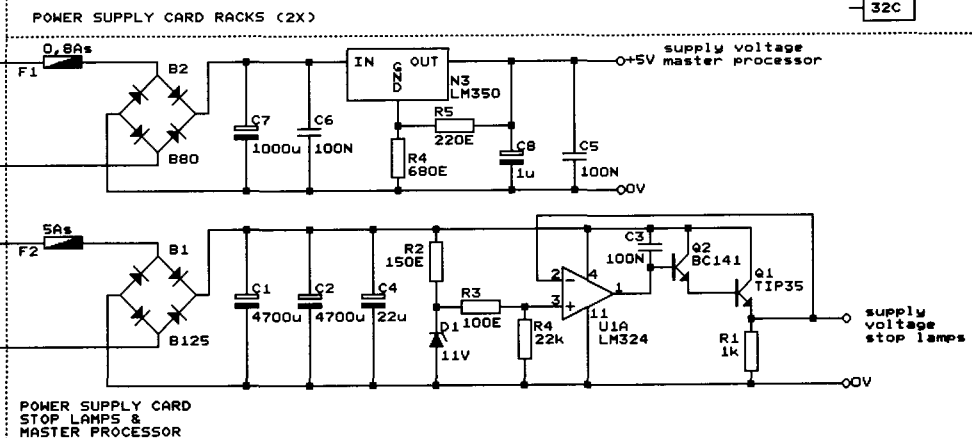
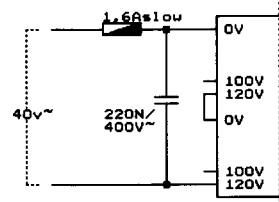


LS OUT B

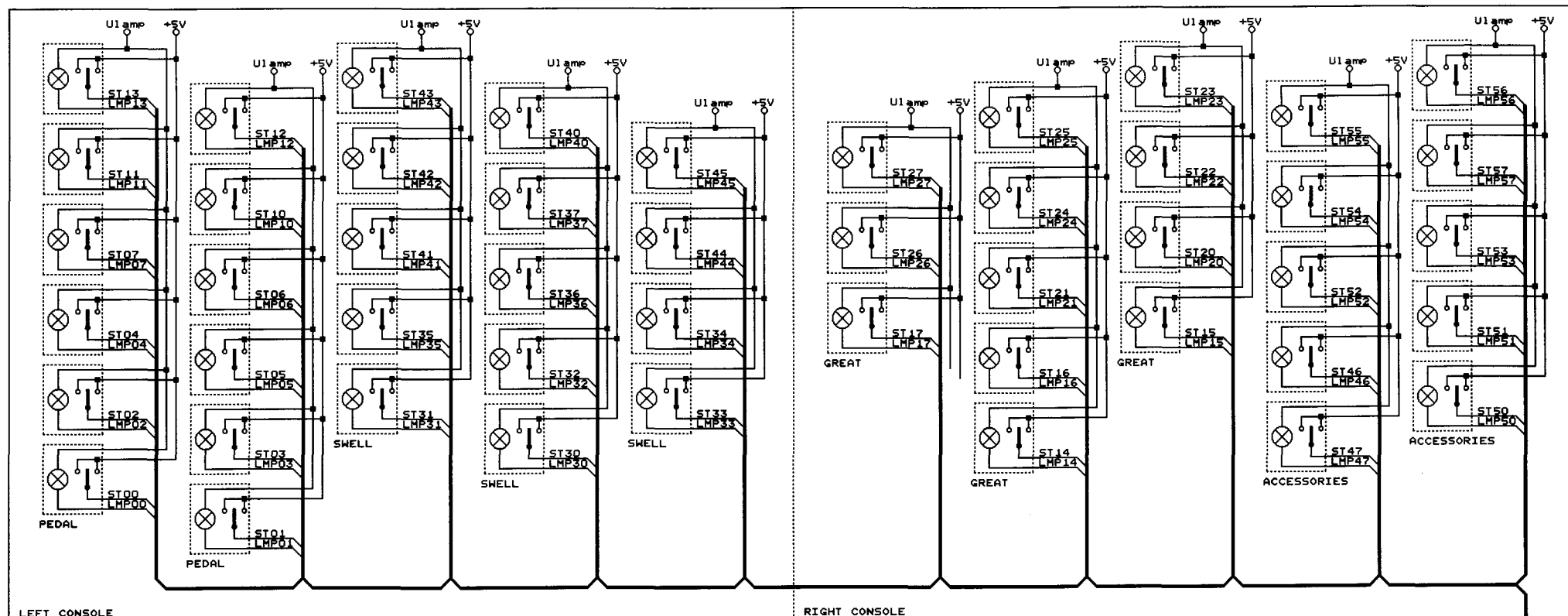
POSITION DIAGRAM CARDS (TOPVIEW) &
EXTERNAL CONNECTIONS (mounted on the
rearside of the organ)

DESIGN	LAB	REV.
DRAWN	VERSCHOOR	15-04-93
JOHANNUS CH 35		PAGE 3





TRANSFORMER CONNECTIONS & POWER SUPPLY			
DESIGN	LAB		REV.
DRAWN	VERSCHOOR	15-04-93	PAGE
JOHANNUS CH 35			5



STOPLIST

PEDAL

ST00 = DOUBLE BASS 16'
ST01 = SUBBASS 16'
ST02 = OCTAVE 8'
ST03 = GEDACKT 8'
ST04 = CHORALBASS 4'
ST05 = BASSFLUTE 4'
ST06 = OPEN FLUTE 2'
ST07 = MIXTURE III
ST10 = BOMBARDE 32'
ST11 = CONTRA TRUMPET 16'
ST12 = TRUMPET 8'
ST13 = CLARION 4'

SWELL

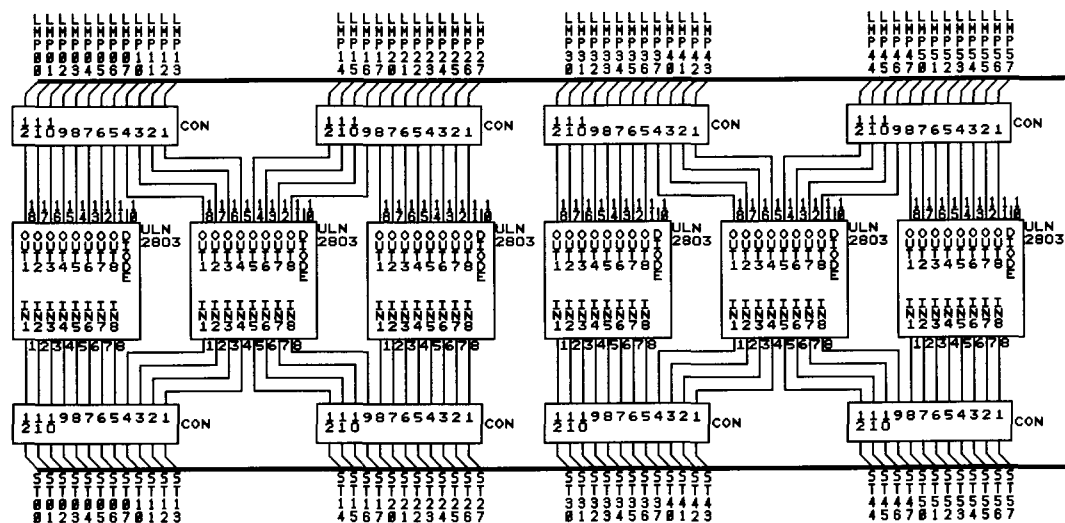
ST30 = QUINTATON 16'
ST31 = OPEN DIAPASON 8'
ST32 = HOHLFLUTE 8'
ST33 = VIOLA 8'
ST34 = CELESTE 8'
ST35 = OCTAVE 4'
ST36 = ROHRFLUTE 4'
ST37 = FLUTE TWELFTH 2 2/3'
ST40 = HALOFLUTE 2'
ST41 = TIERCE 1 3/5'
ST42 = NAZARD 1 1/3'
ST43 = RAUSCHPFEIFE III-V
ST44 = CROMORNE 8'
ST45 = OBOE 8'

GREAT

ST14 = BOURDON 16'
ST15 = OPEN DIAPASON 8'
ST16 = ROHRFLUTE 8'
ST17 = GAMBA 8'
ST20 = OCTAVE 4'
ST21 = OPEN FLUTE 4'
ST22 = TWELFTH 2 2/3'
ST23 = SUPEROCTAVE 2'
ST24 = CORNET IV
ST25 = MIXTURE V-VII
ST26 = CONTRA TRUMPET 16'
ST27 = TRUMPET 8'

ACCESSORIES

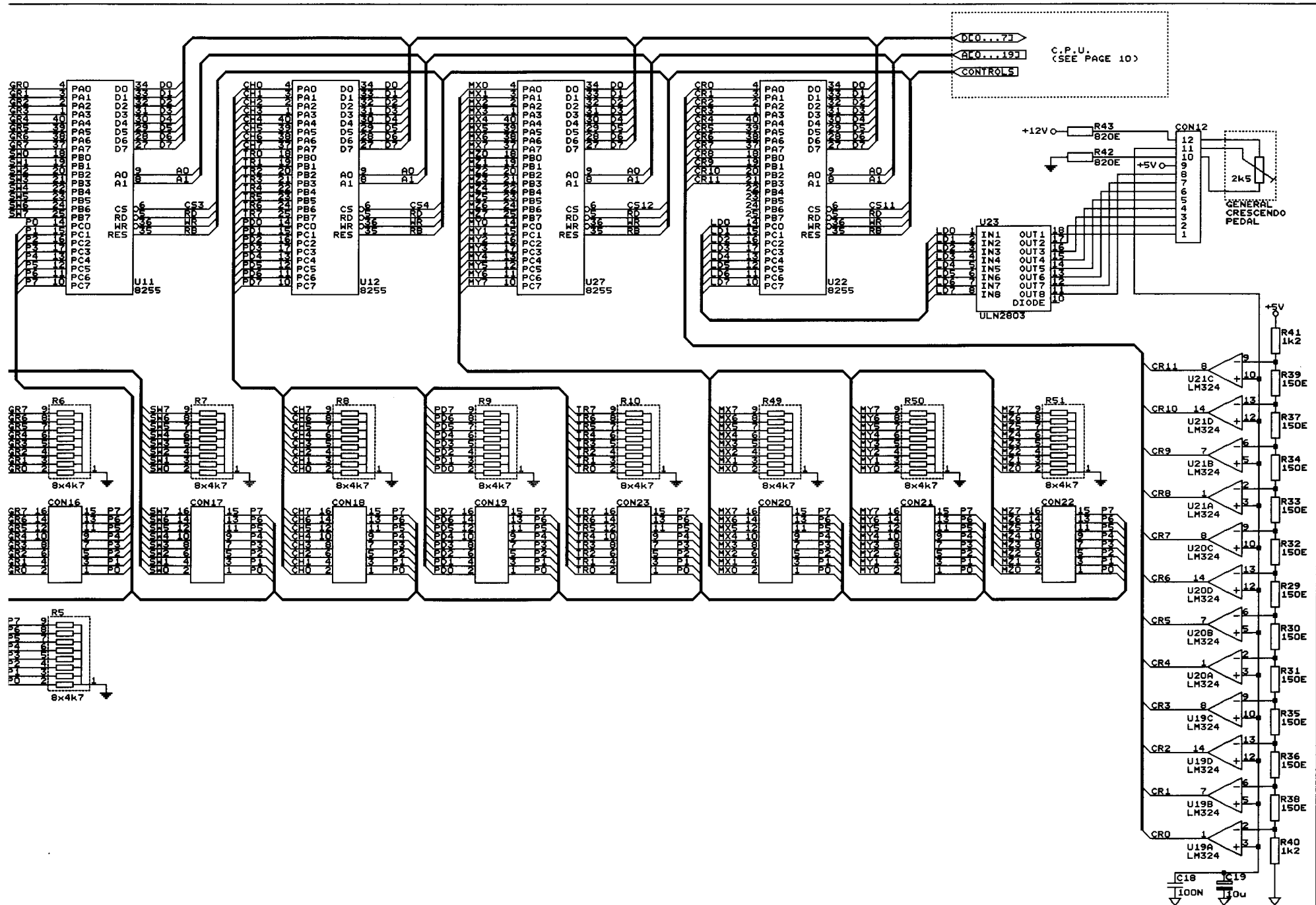
ST46 = SWELL TO GREAT
ST47 = GREAT TO PEDAL
ST50 = SWELL TO PEDAL
ST51 = TREMULANT GREAT
ST52 = TREMULANT SWELL
ST53 = CHORUS
ST54 = MANUAL BASS
ST55 = MIDI TO GREAT (CHAN. 1)
ST56 = MIDI TO SWELL (CHAN. 2)
ST57 = MIDI TO PEDAL (CHAN. 3)

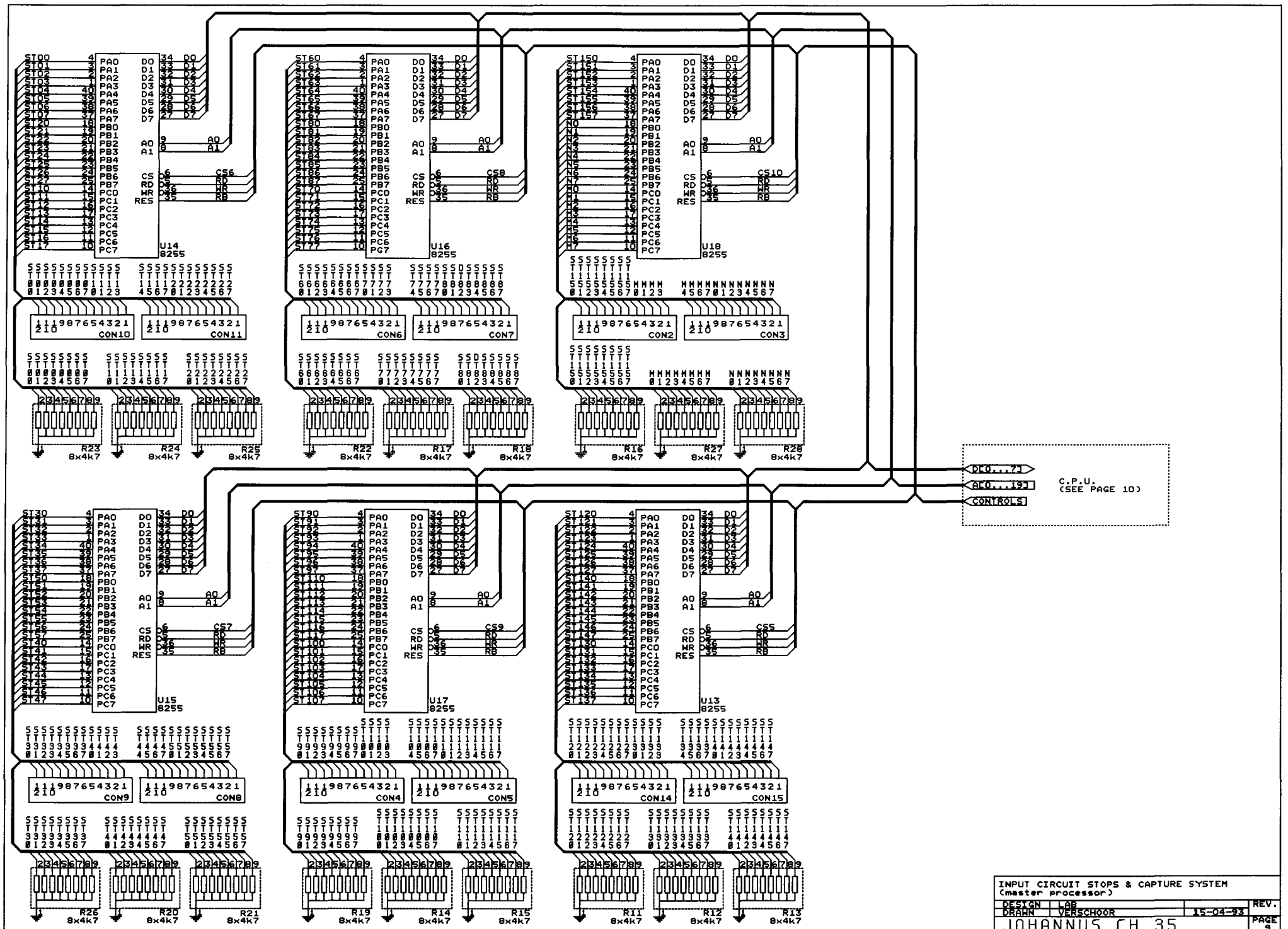


STOP LAMP INTERFACE

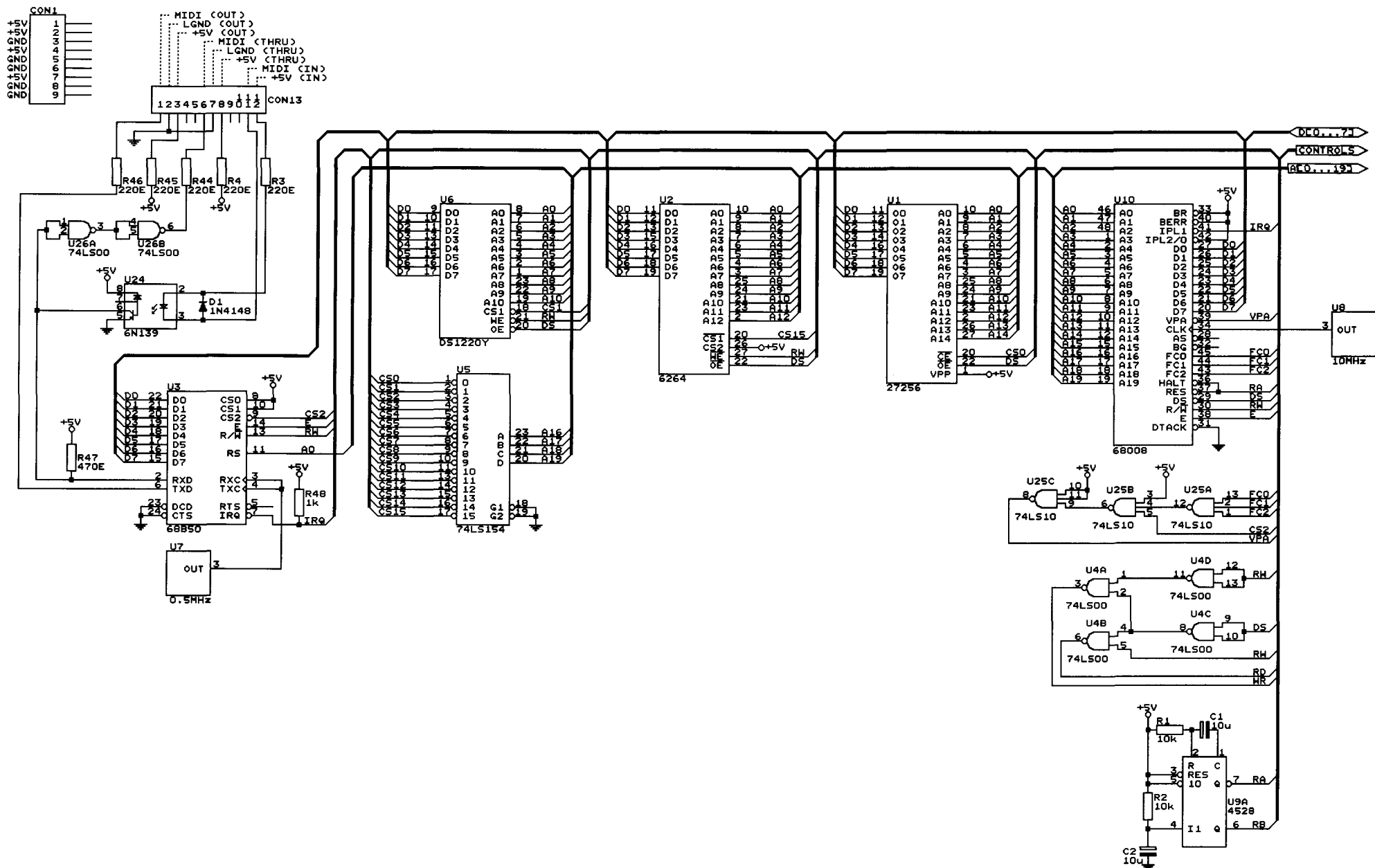
ALL CONNECTORS: ALSO TO MASTER PROCESSOR
ALL STOPLAMPS: 14Vdc/75mA

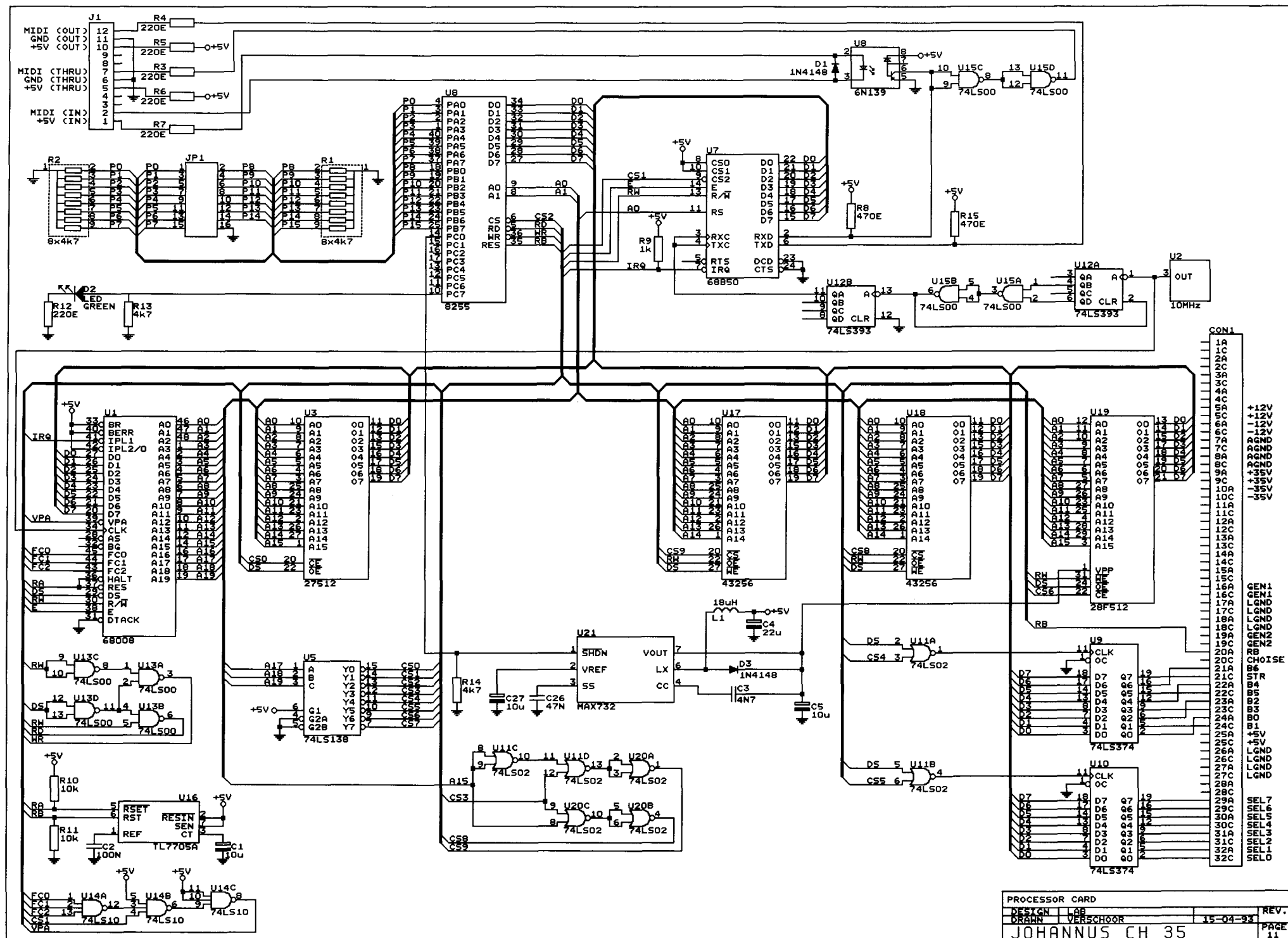
STOP-BANK
DESIGN LAB
DRAWN VERSCHOOR 15-04-93
JOHANNUS CH 35
REV. 7
PAGE 7

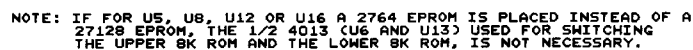




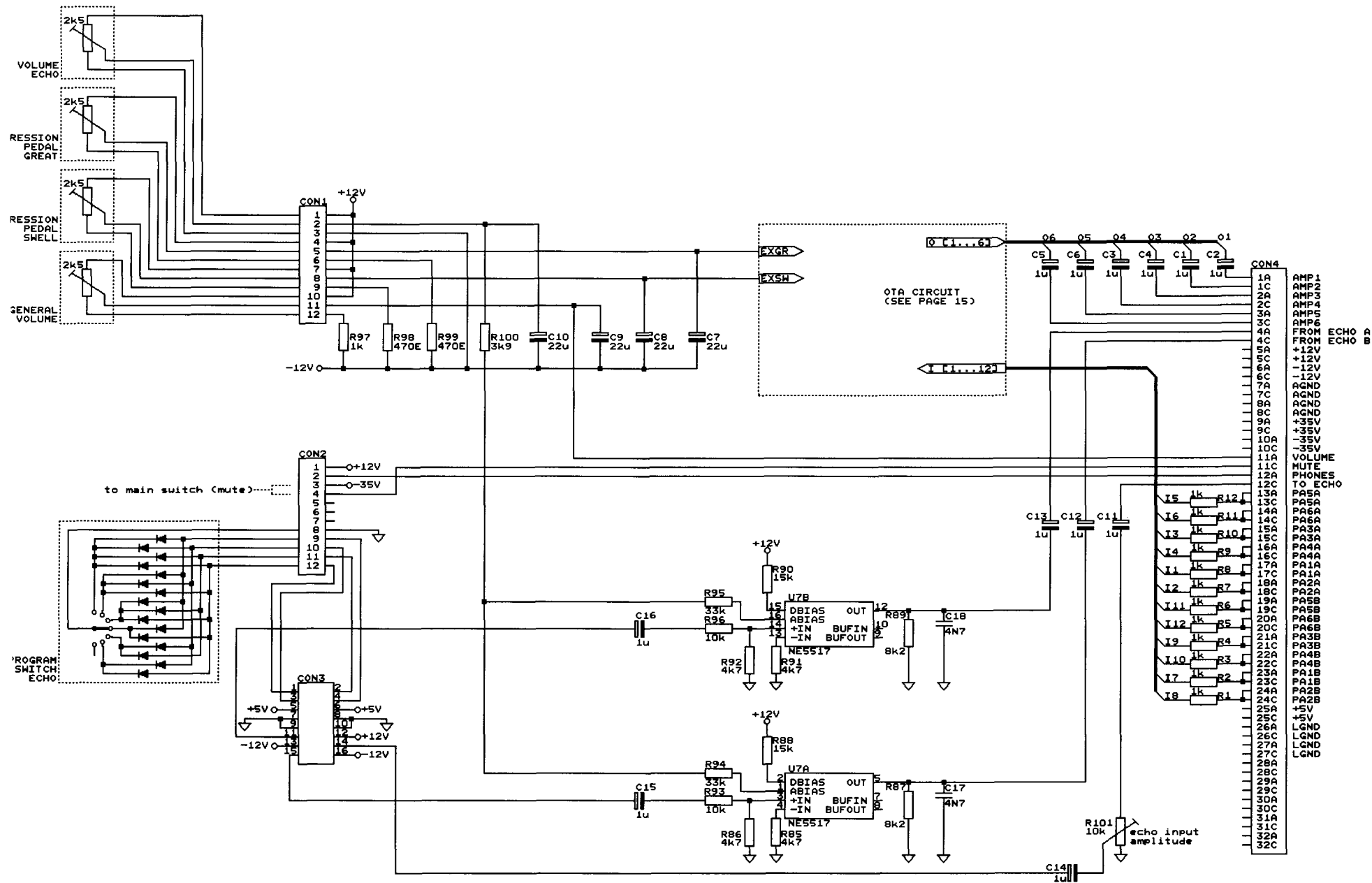
C.P.U.
RD...19
CONTROLS

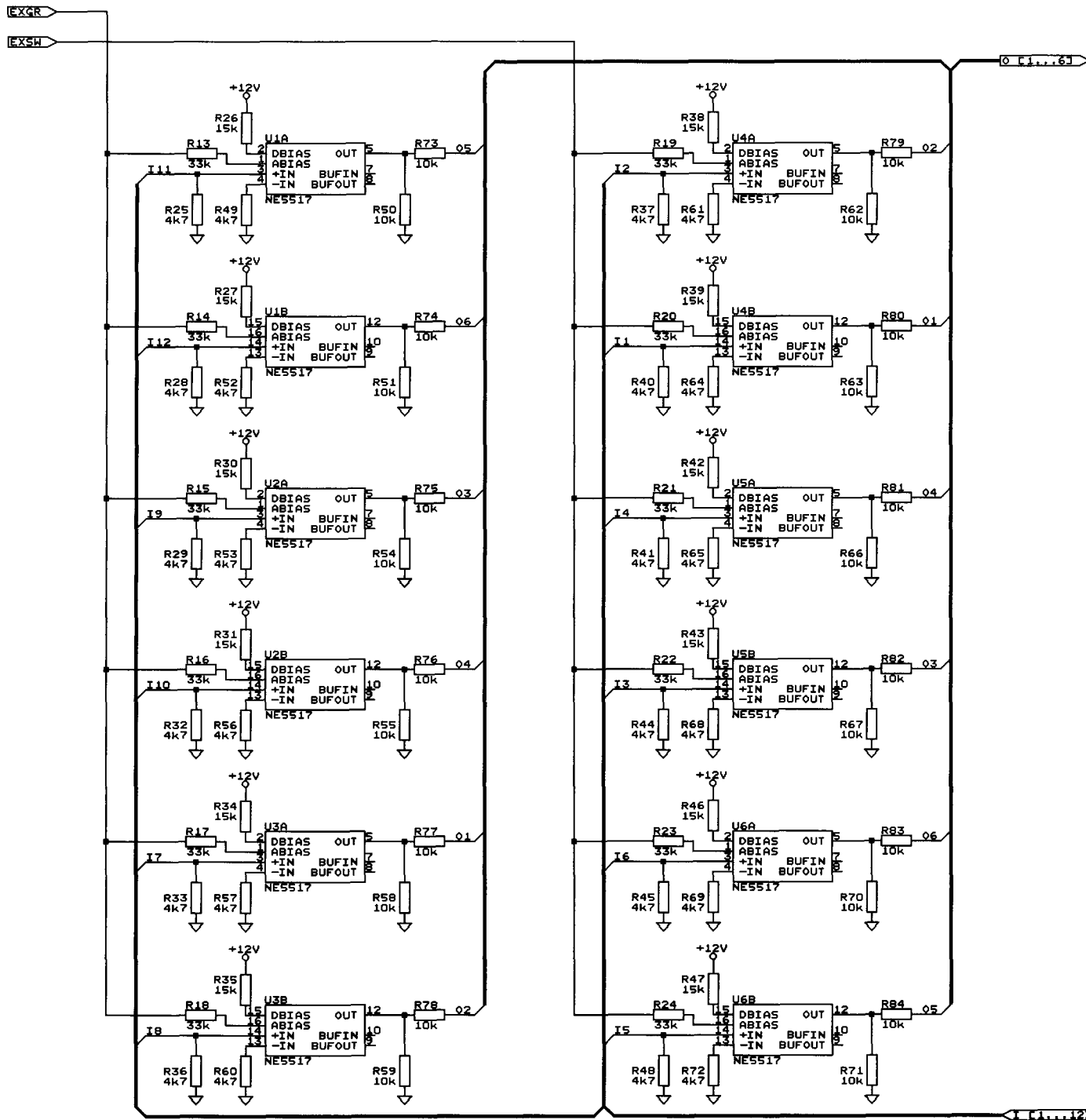


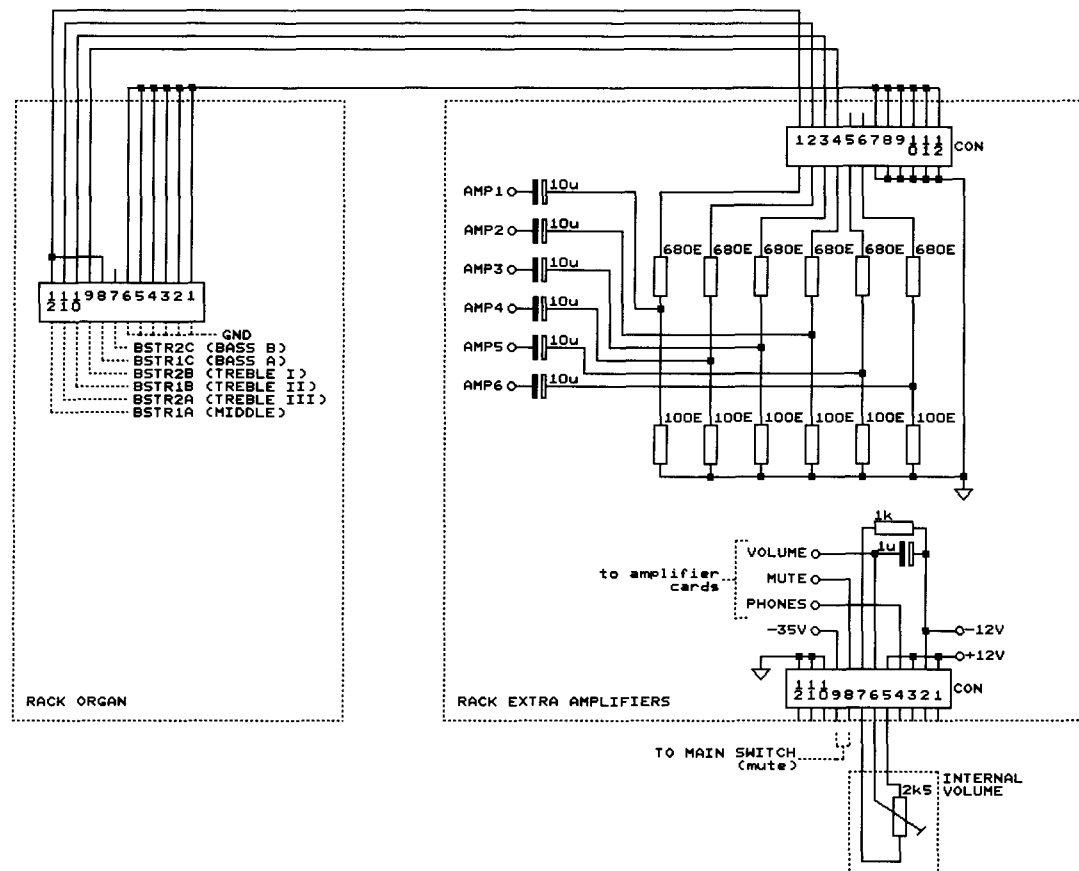


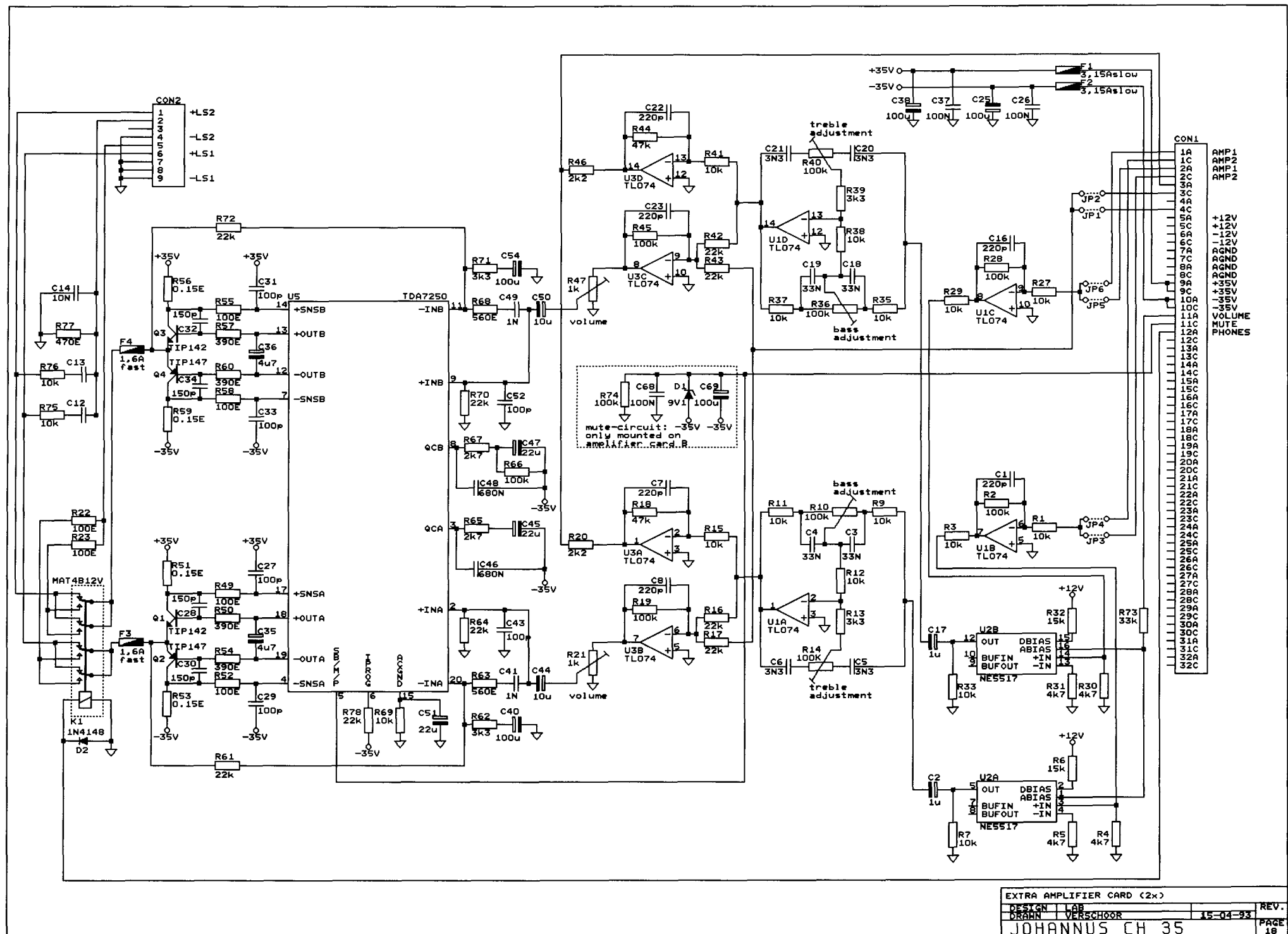


DESIGN	LAB		REV.
DRAWN	VERSCHOOR	15-04-93	PAGE
JOHANNUS CH 35			13

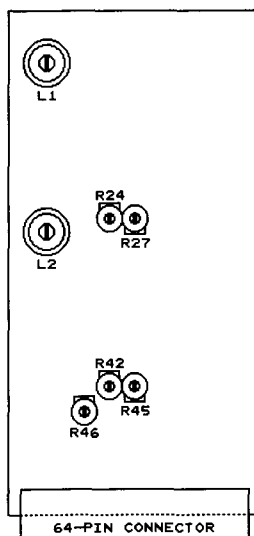






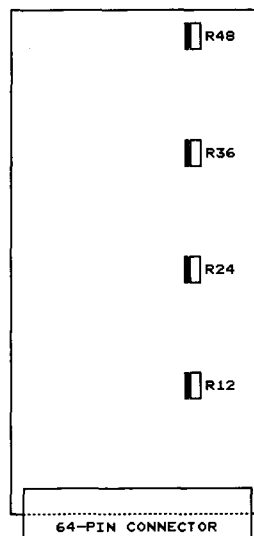


GENERATOR CARD
(COMPONENT-SIDE VIEW)



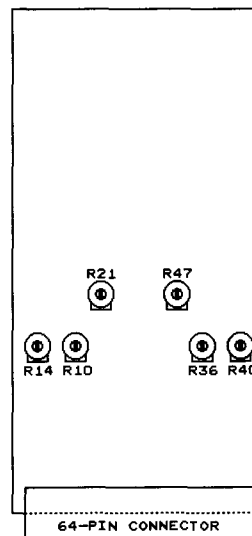
L1 = TUNING SWELL
L2 = TUNING GREAT
R24 = TREMULANT SPEED GREAT
R27 = TREMULANT DEPTH GREAT
R42 = TREMULANT SPEED SWELL
R27 = TREMULANT DEPTH SWELL
R46 = INTENSITY CHORUS EFFECT

VOICE CARD
(COMPONENT-SIDE VIEW)



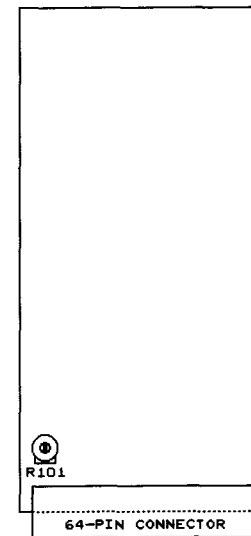
R12 = DC-OFFSET VOICE D
(DISTORSION VOICE D)
R24 = DC-OFFSET VOICE C
(DISTORSION VOICE C)
R36 = DC-OFFSET VOICE B
(DISTORSION VOICE B)
R48 = DC-OFFSET VOICE A
(DISTORSION VOICE A)
NOTE: R12-R24-R36-R48 ARE NOT
FOR CHANGING VOLUMES!!
TURNING THESE POTENTIOMETERS
WILL GIVE DISTORSION!!

AMPLIFIER CARD
(COMPONENT-SIDE VIEW)



R10 = BASS LEFT AMPLIFIER
R14 = TREBLE LEFT AMPLIFIER
R21 = VOLUME LEFT AMPLIFIER
R36 = BASS RIGHT AMPLIFIER
R40 = TREBLE RIGHT AMPLIFIER
R47 = VOLUME RIGHT AMPLIFIER

OTA CARD
(COMPONENT-SIDE VIEW)



R101 = INPUT AMPLITUDE ECHO