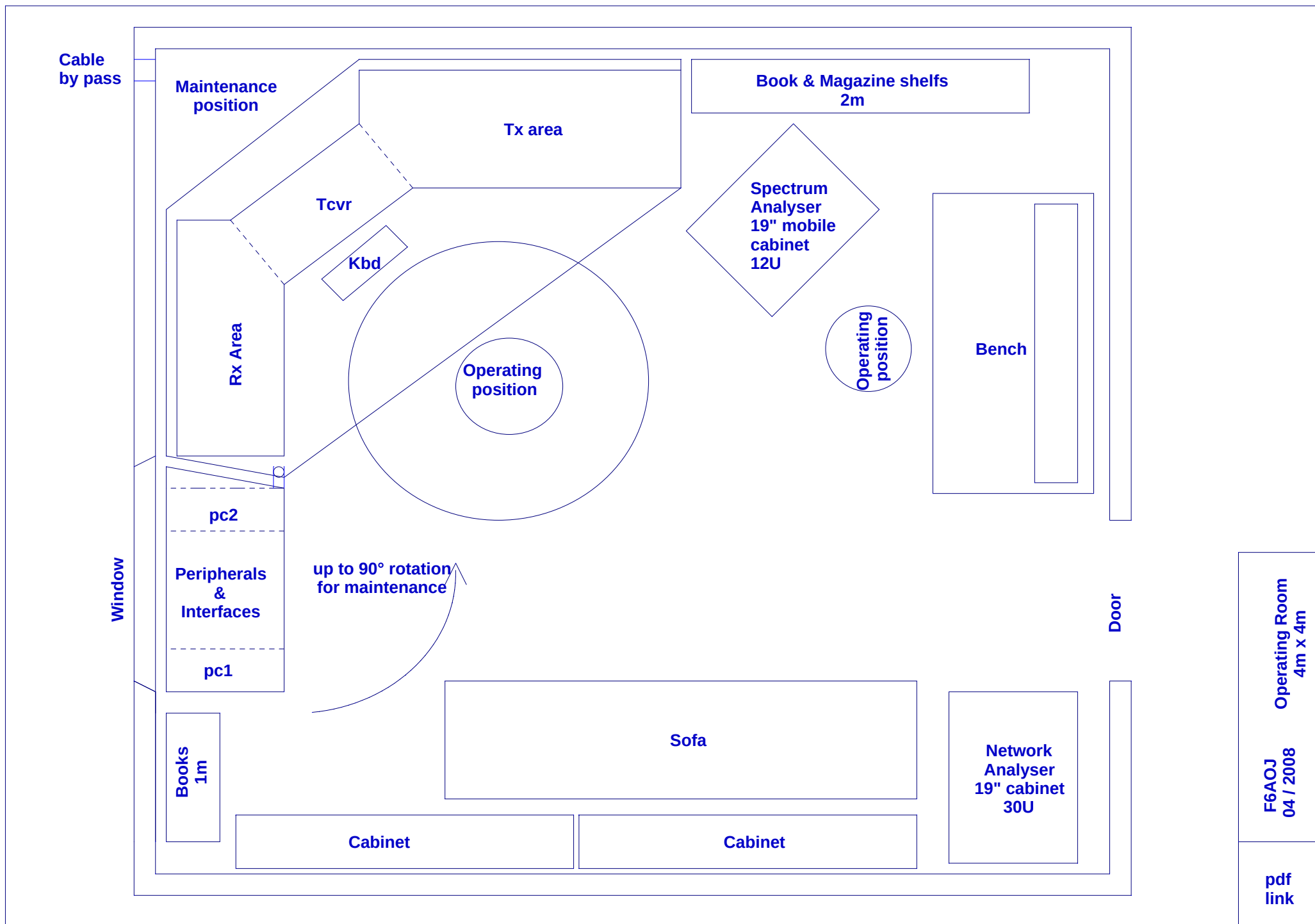
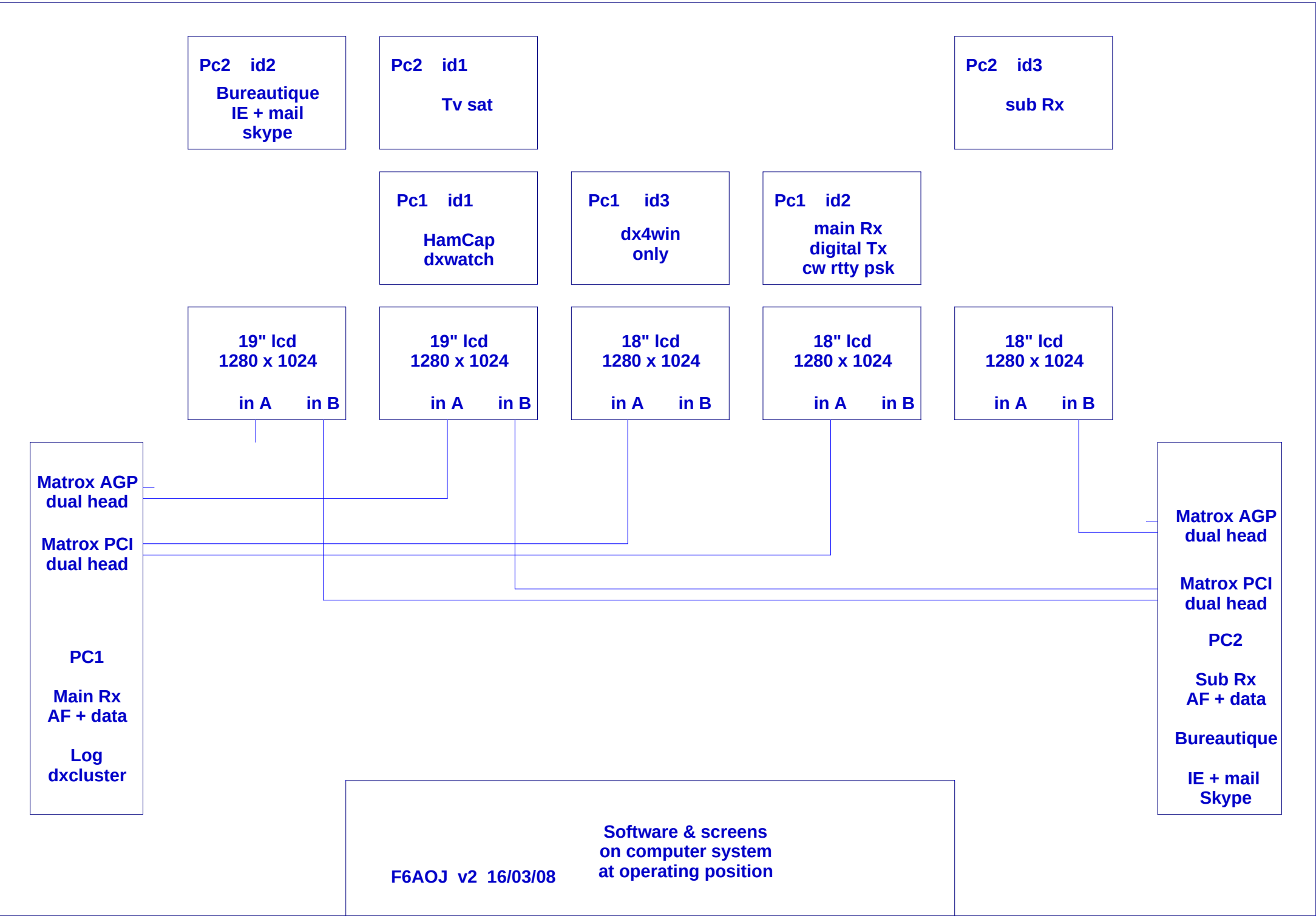
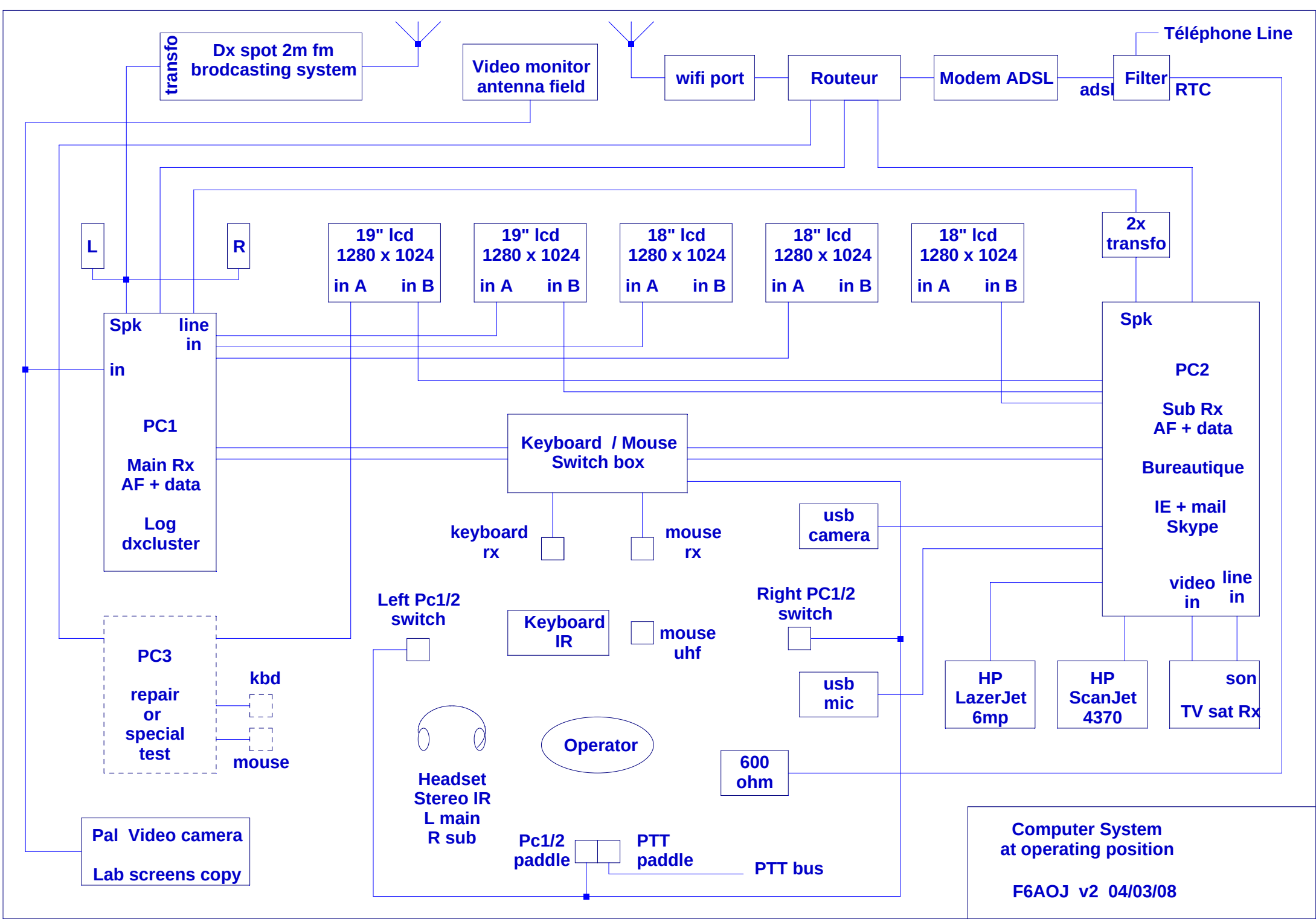
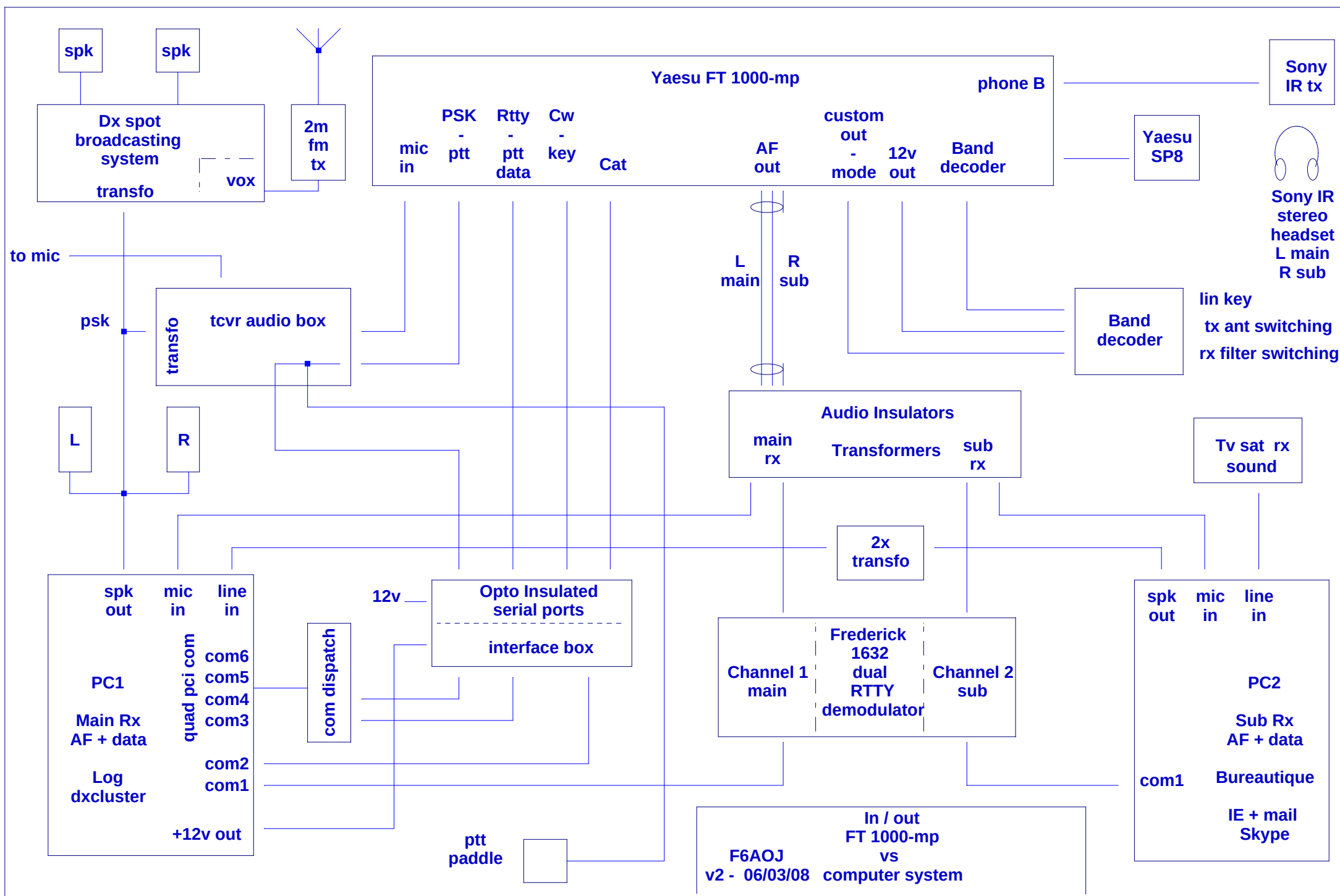


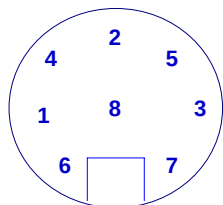
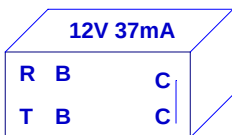




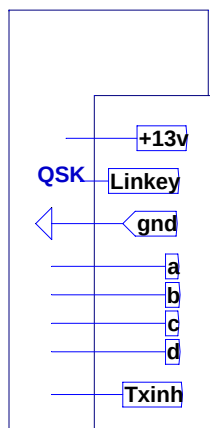




RL1 = Omron G2E-182P-M



Band Data



Band Data

FT 1000-mp

DIN 8 pts T2



P1

P2

Cinch

Lin Key (qsk)

J4

Tx inh

nc

+13v

Auto

ssb

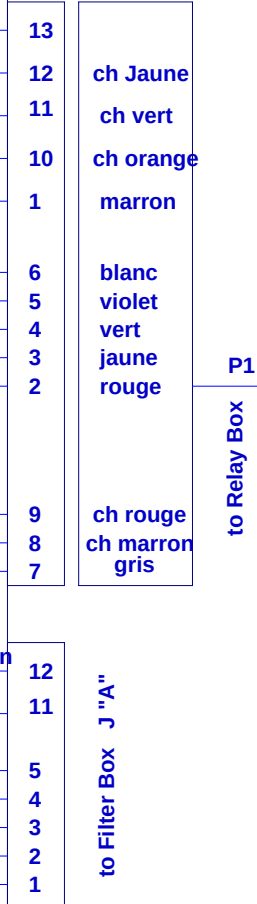
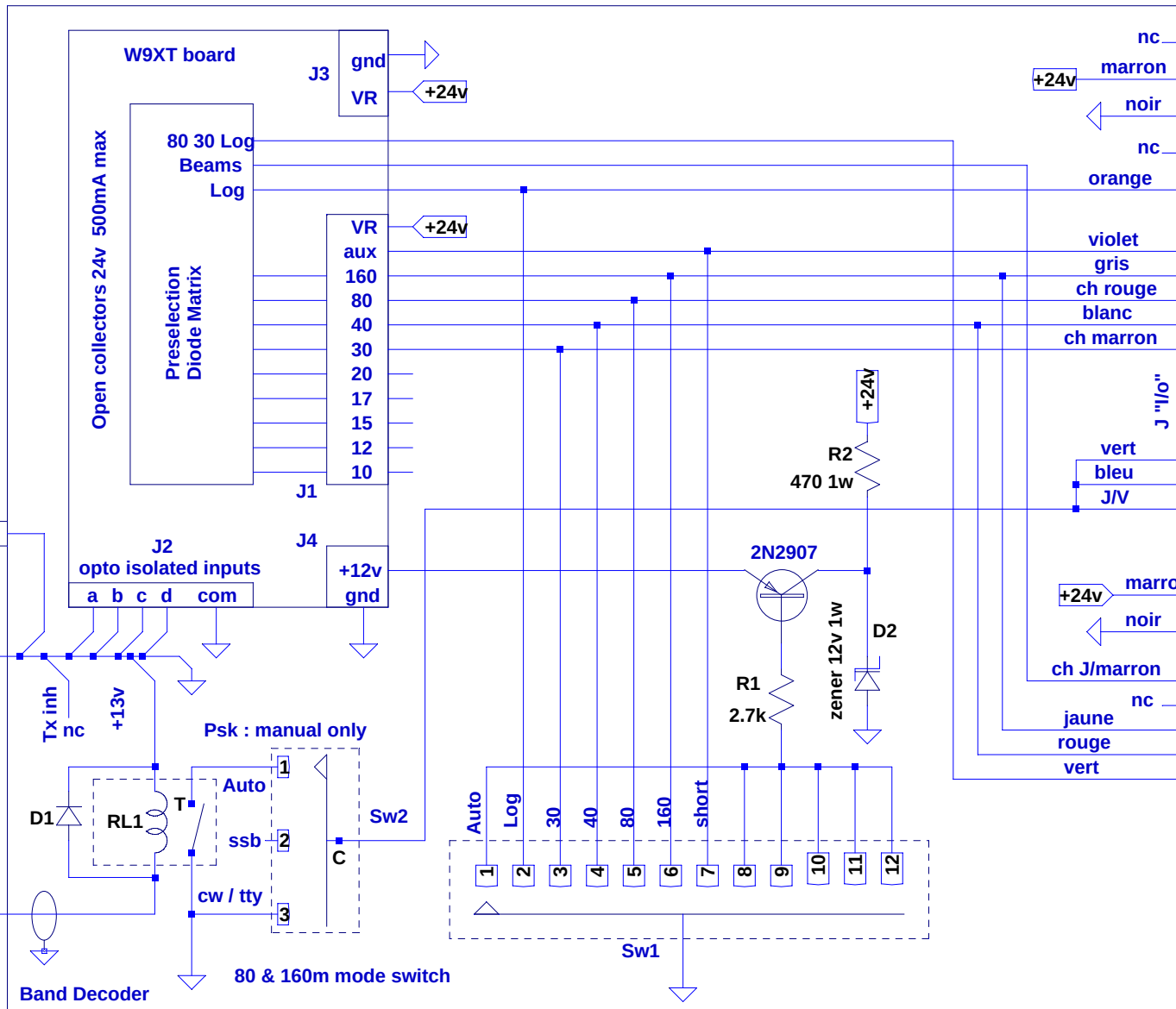
cw / tty

Sw2

C

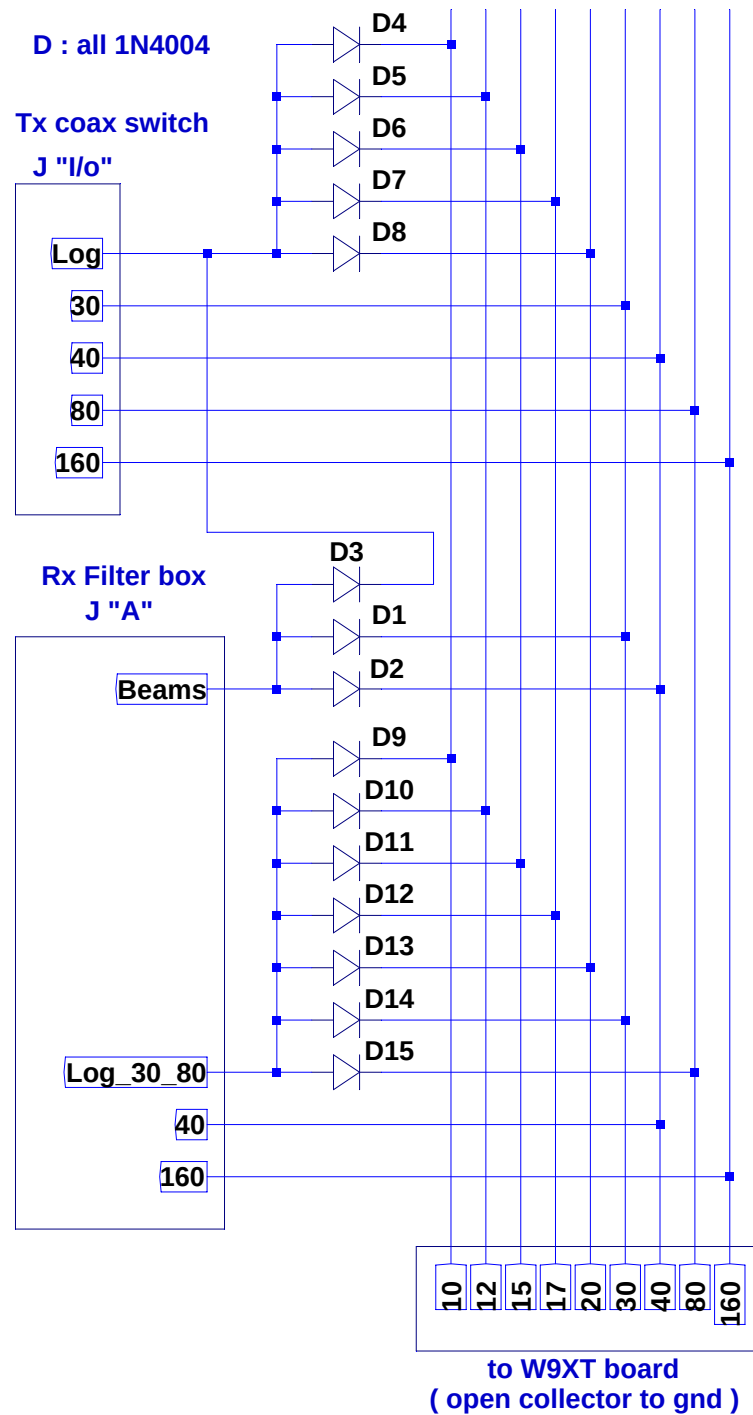
80 & 160m mode switch

Band Decoder



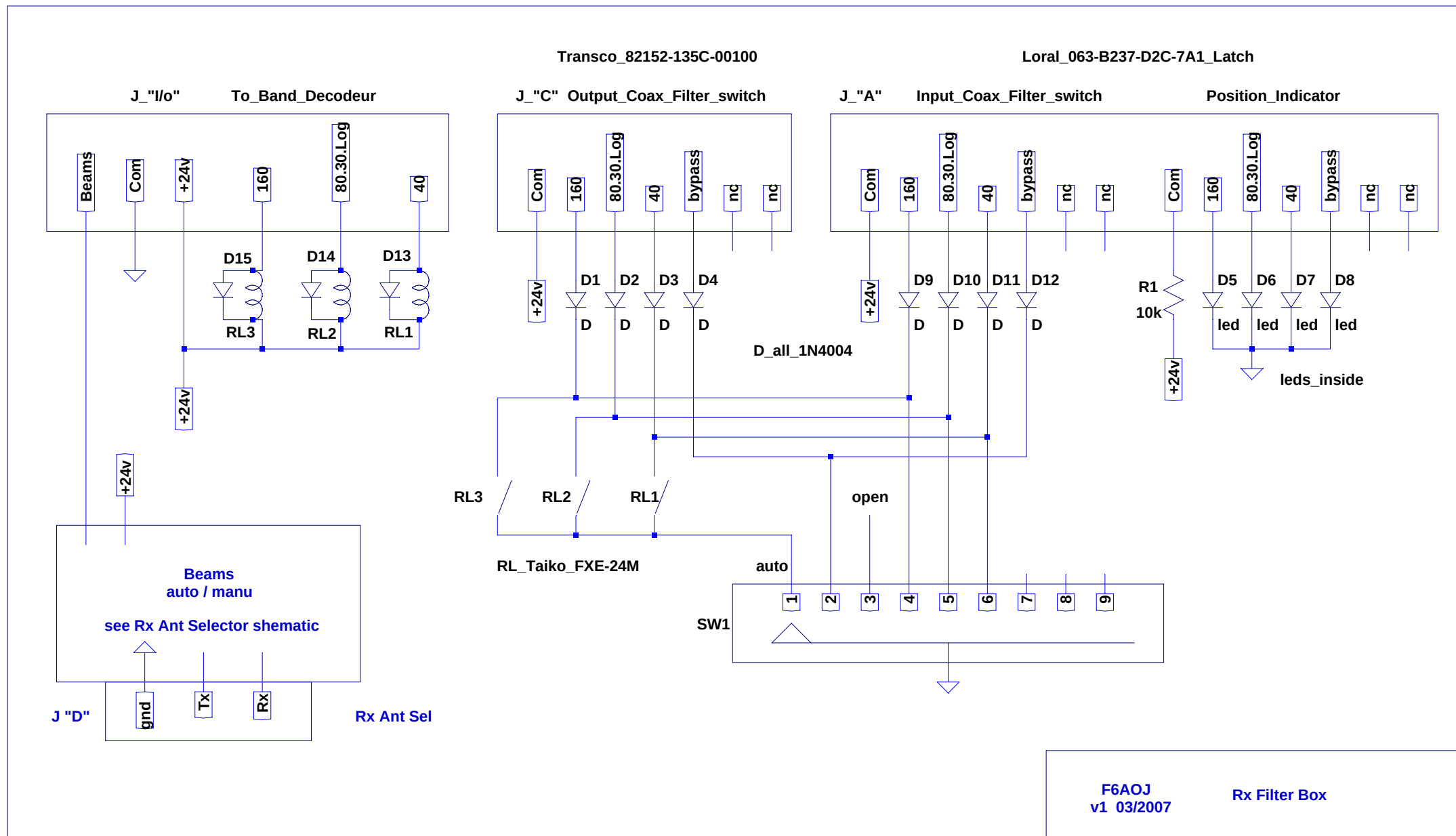
F6AOJ
v2 - 04 / 2007

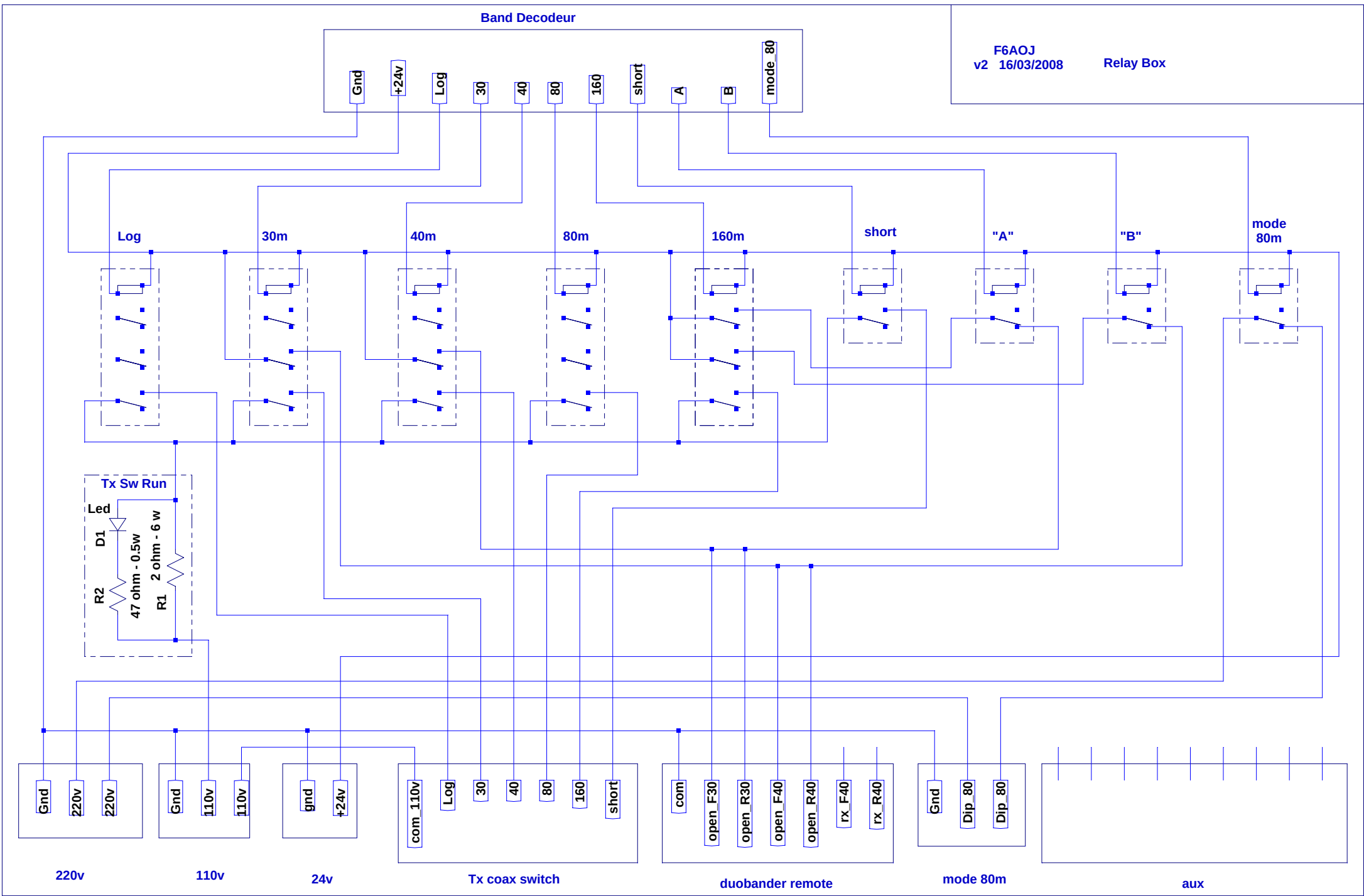
Band Decoder

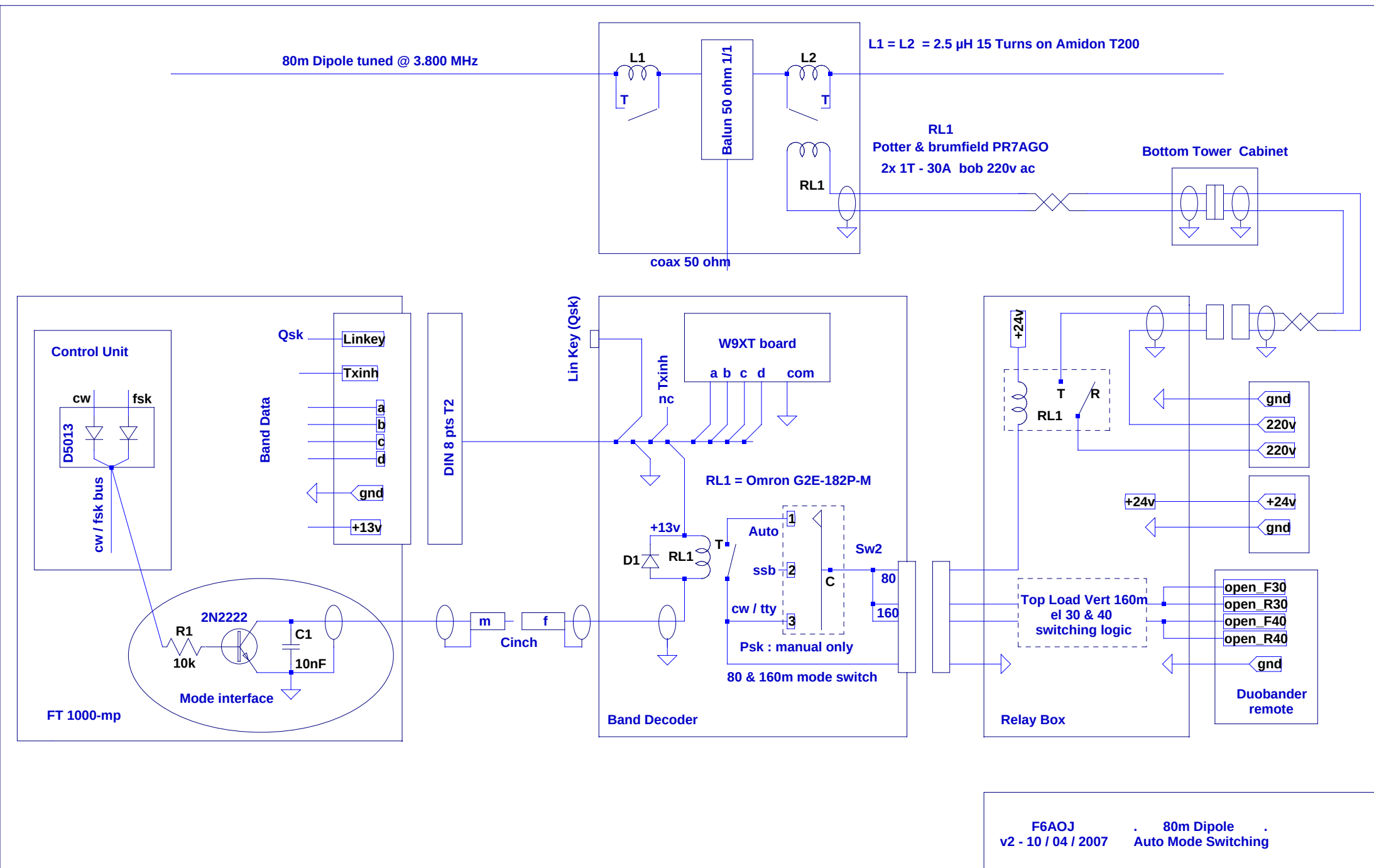


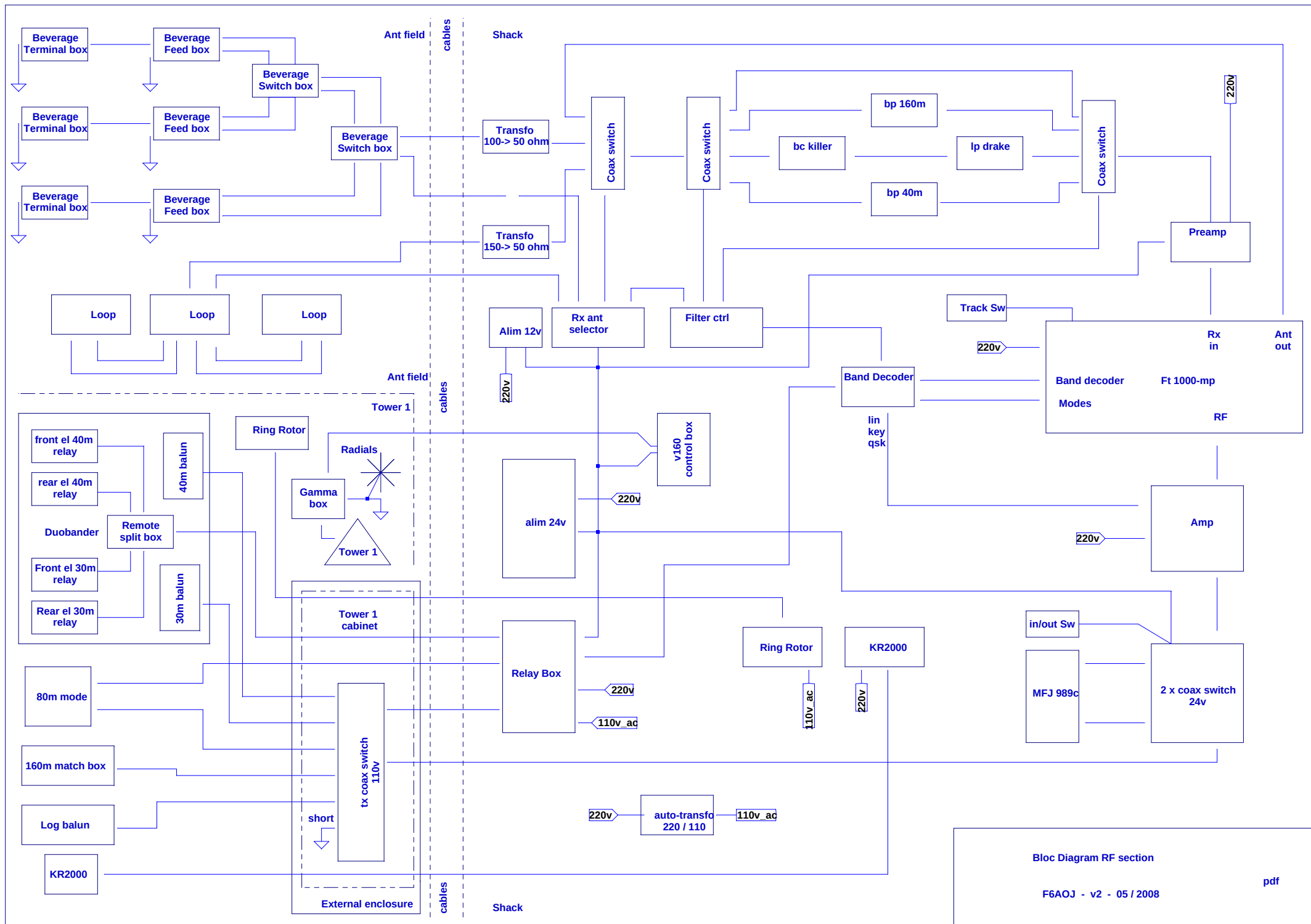
F6AOJ
v2 16/03/2007

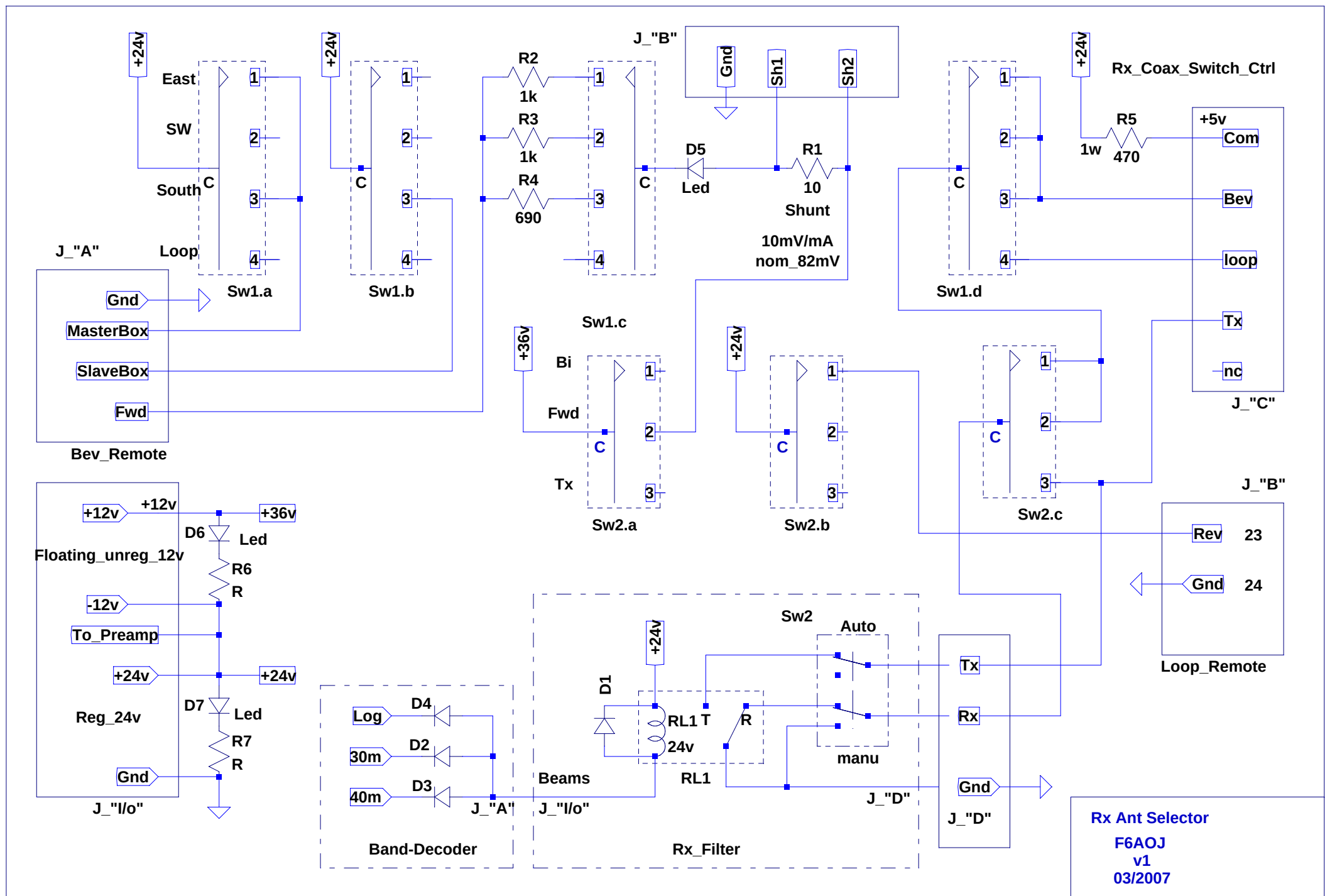
Band Decoder
Diode Matrix











F6AOJ v1 02/2007

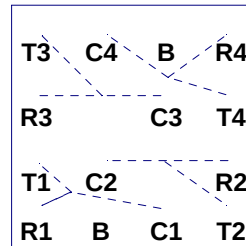
Beverages Switch box
for Twinax lines 100 Ohm

Twinax : twisted pair 100 ohm
RG22
Belden 9207
ibm # 7362211

Relay shielded 4RT 26v 150 ohm

AEMGP GP14-X-150ADB

RL1 , RL2 , RL3



RL1

RL2

RL3

R1

100

R2

100

Teflon twisted pair (wrapping size) length 2"

100 ohm symétrical Internal lines
are made with 2 twisted coax
coax 50 ohm diam 2.54 mm length <7"

Channel insulation >80 dB mesured @50ohm asymetrical

J1

J2

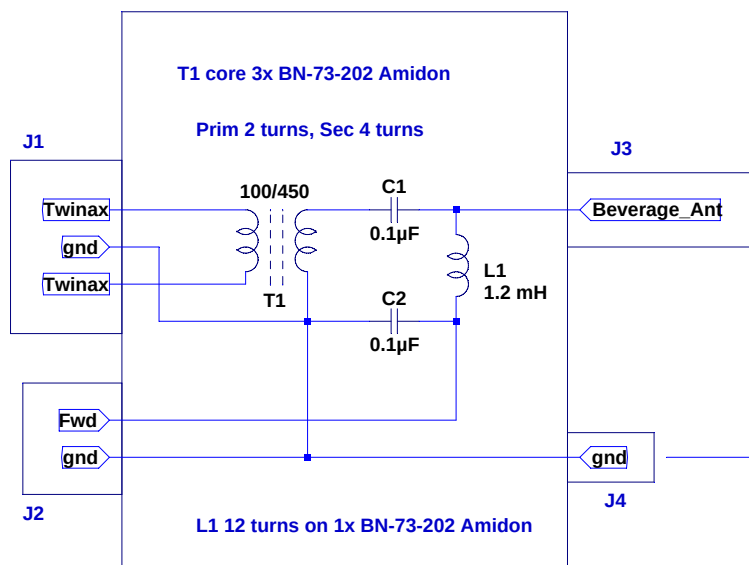
J4

J3

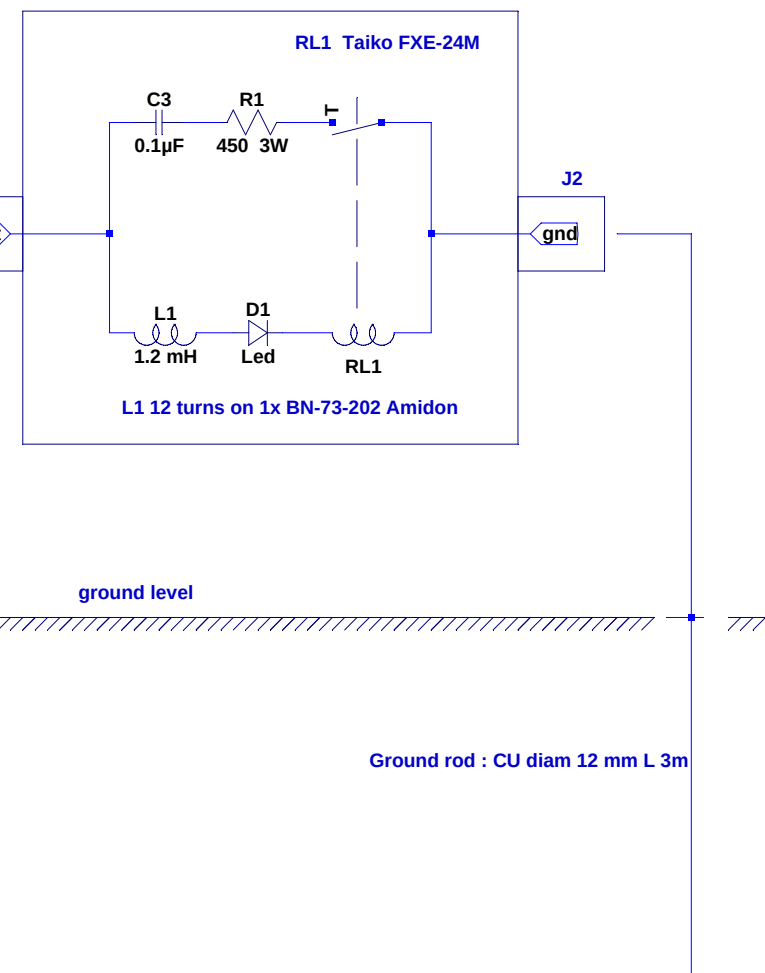
J5

J6

Beverage Feed box



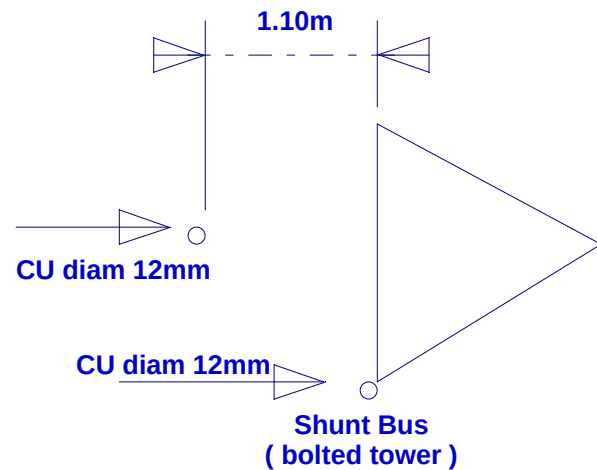
Beverage Terminal box



Beverage Antenna

F6AOJ 03 / 2007

Top Load :
 - Cushcraft ASL2010 Logperiodic 10->20m
 - Boom of 4 el duo bander 30 & 40m
 half elements remotly disconected on topband



Trylon Tower
 model AB105
 H= 27m
 face = 24" 61cm

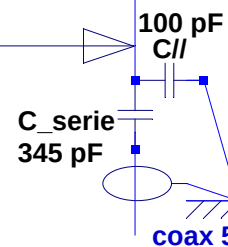
H= 11.30m

CU diam 12mm

spacing = 1.10m

Danger : High Voltage !

Omega Match



F6AOJ
 11 / 2006

160m
 Shunt Feed
 Vertical

Top load

high bands log periodic

**duo bander 30/40 boom only
elements diconnected by relays**

tree

4 elevated radials

tuned as 2 resonating dipoles

Height 2m

45° sloop

**Power
&
Phone
pole**

2m

2.5m

2m

Underground lines to station

**50Hz
DSL**

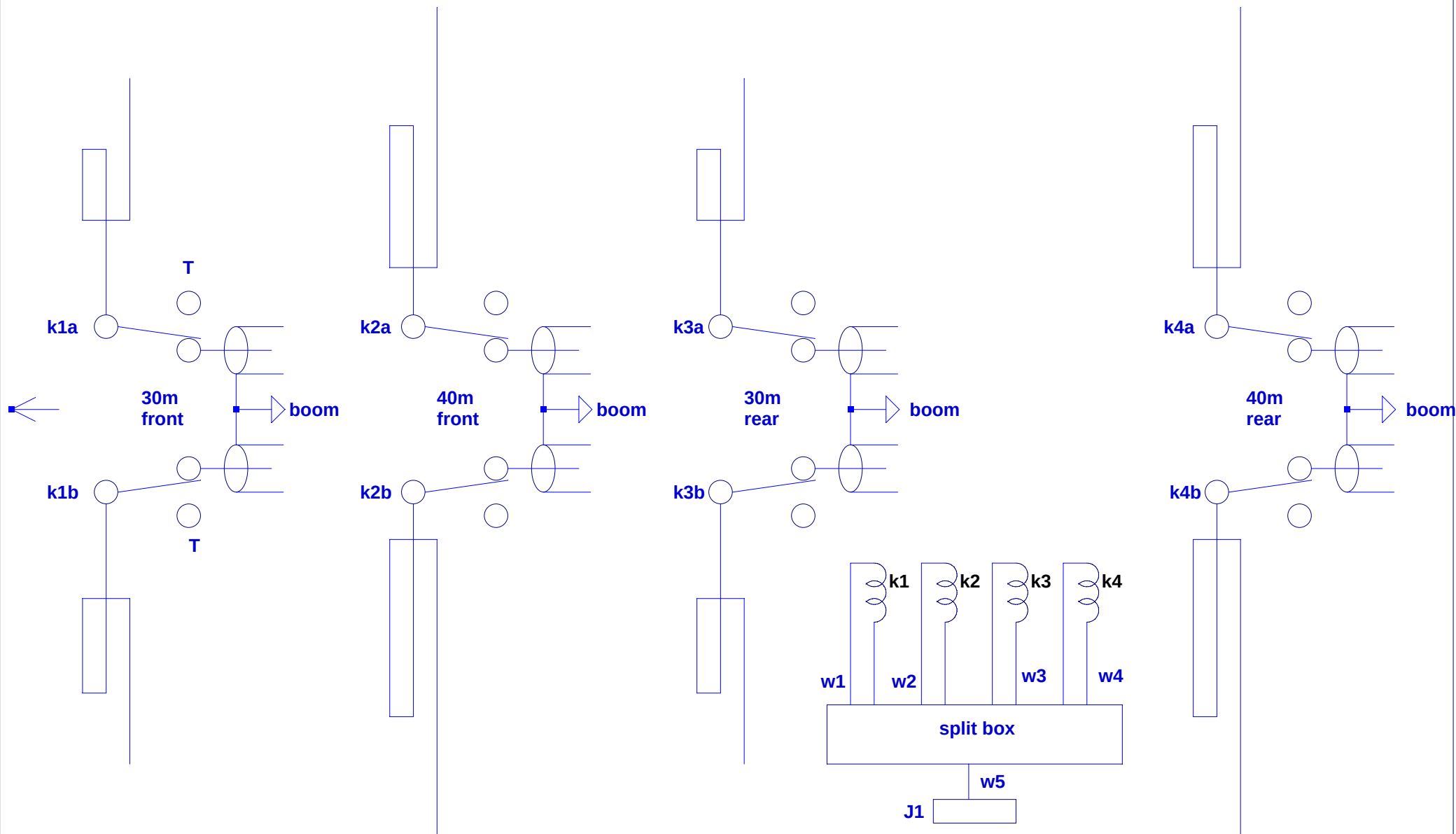
property limit

16 quarter wave on ground radials

**F6AOJ
10 / 2007**

**160m Shunt Feed Vertical
Radials System**

**pdf
link**



On 30m or 40m unused half elements
can be disconnected to reduce SWR
due to unwished coupling

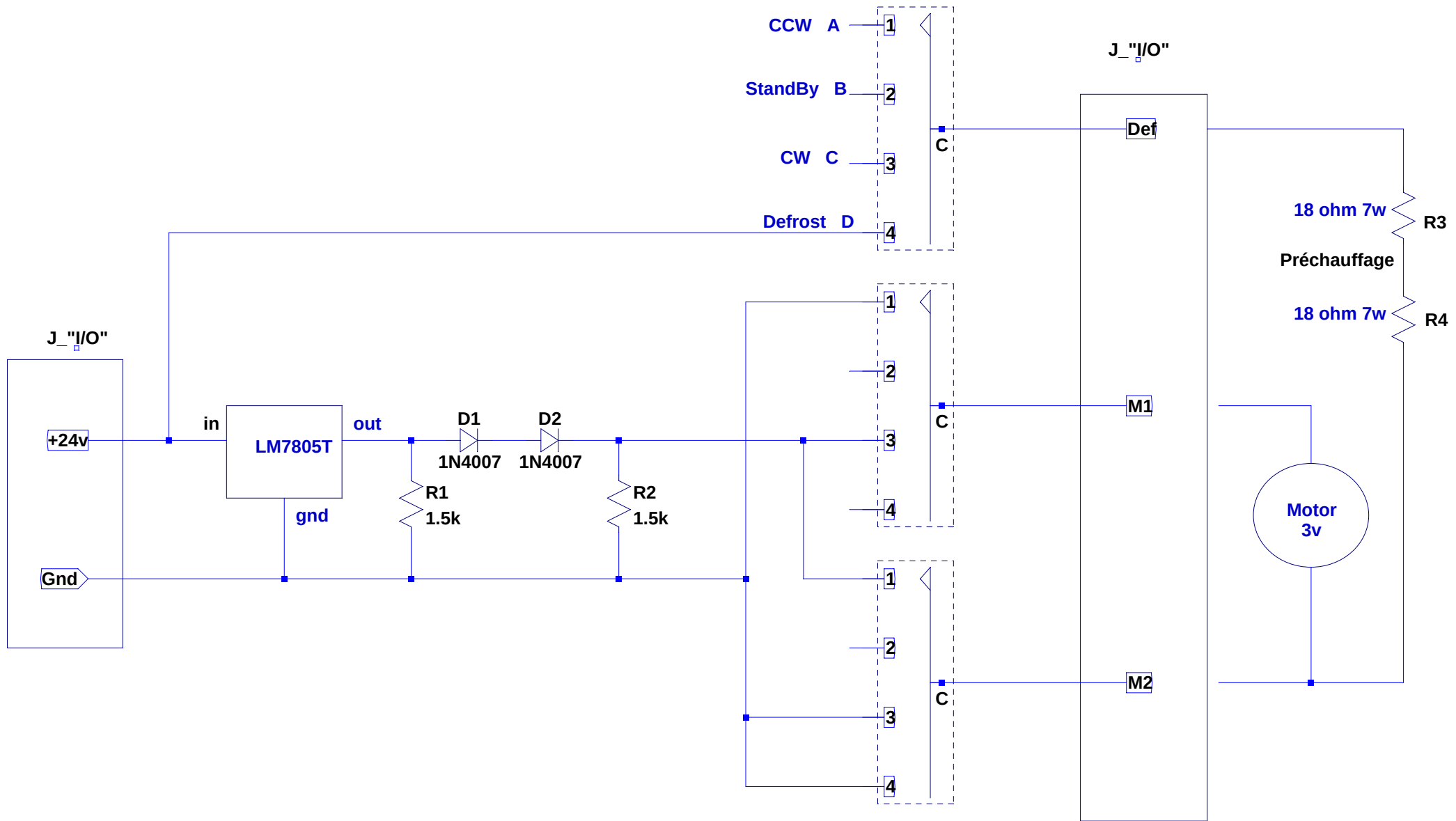
NO = T
NC = R

On 160m all relays are energized
disconnecting all half elements
from any return to ground

F6AOJ
07 / 2007

LPDA Duo-bander 30m / 40m
Remote Switching System

pdf
link



F6AOJ
v1
05/2008

v160 control box

pdf

