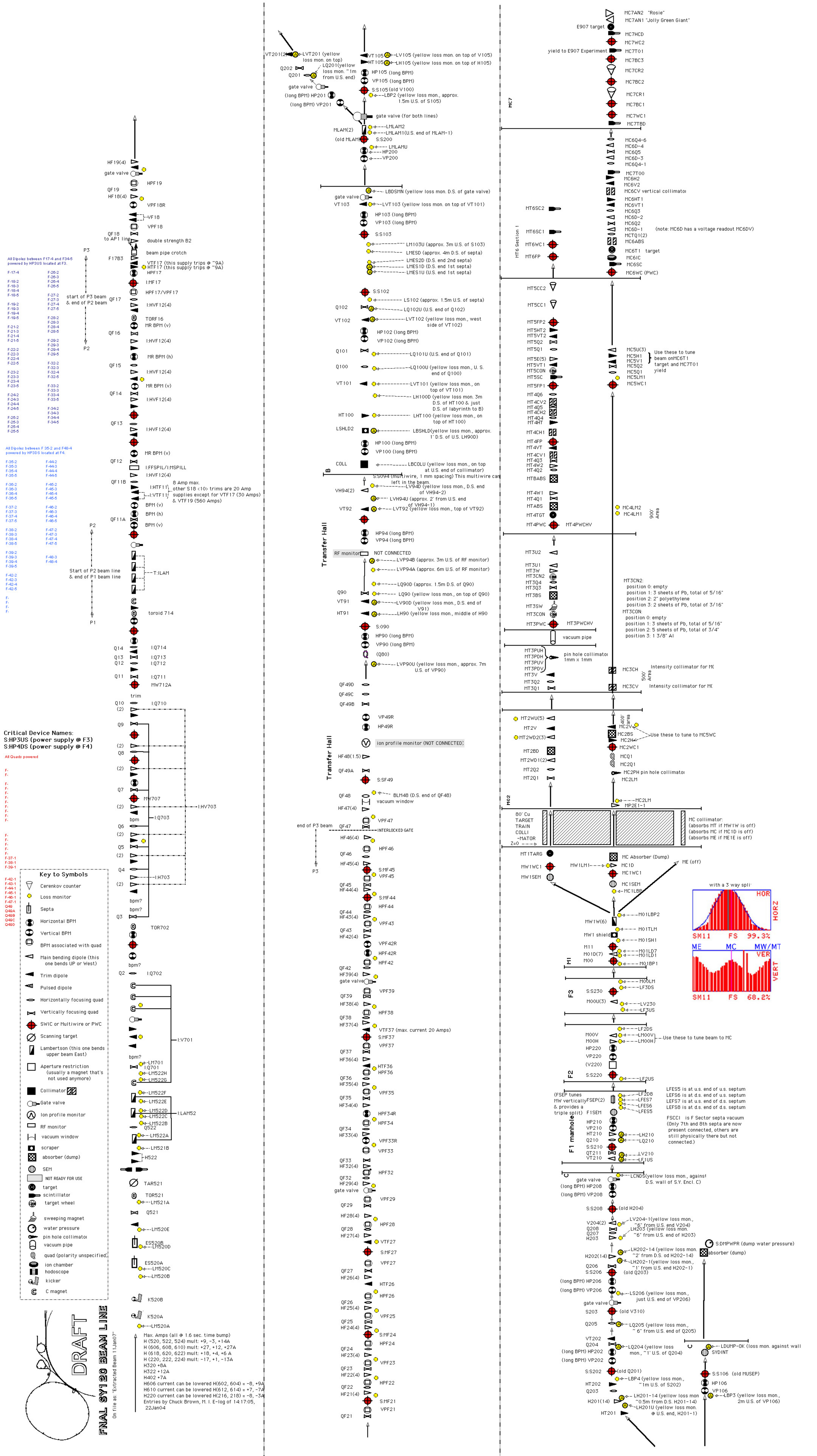
FNAL SY120 BEAM LINE
DRAFT
On file as: "Extracted Beam 11Jan07"
Critical Device Names:
S:HP3US (power supply @ F3)
S:HP4DS (power supply @ F4)
All Quads powered
All Dipoles between F17-4 and F34-5 powered by HP3US located at F3.
All Dipoles between F 35-2 and F48-4 powered by HP3DS located at F4.
Key to Symbols
Cerenkov counter
Loss monitor
Septa
Horizontal BPM
Vertical BPM
BPM associated with quad
Main bending dipole (this one bends UP or West)
Trim dipole
Pulsed dipole
Horizontally focusing quad
Vertically focusing quad
SWIC or Multiwire or PWC
Scanning target
Lambertson (this one bends upper beam East)
Aperture restriction (usually a magnet that's not used anymore)
Collimator
Gate valve
Ion profile monitor
RF monitor
vacuum window
scraper
absorber (dump)
SEM
NOT READY FOR USE
target
scintillator
target wheel
sweeping magnet
water pressure
pin hole collimator
vacuum pipe
quad (polarity unspecified)
ion chamber
hodoscope
kicker
C magnet
Max. Amps (all @ 1.6 sec. time bump)
H (520, 522, 524) mult: +9, -3, +14A
H (606, 608, 610) mult: +27, +12, +27A
H (618, 620, 622) mult: +18, +4, +6 A
H (220, 222, 224) mult: -17, +1, -13A
H320 +8A
H322 +12A
H402 +7A
H606 current can be lowered H(602, 604) = -8, +9A
H610 current can be lowered H(612, 614) = +7, -7A
H220 current can be lowered H(216, 218) = -8, -3A
Entries by Chuck Brown, M. I. E-log of 14:17:05, 22Jan04
Transfer Hall
Transfer Hall
MC7
MT6 Section 1
M02
M1
F3
F2
F1 manhole
with a 3 way split
HOR
HORZ
SM11 FS 99.3%
ME MC MW/MT
VER
VERT
SM11 FS 68.2%