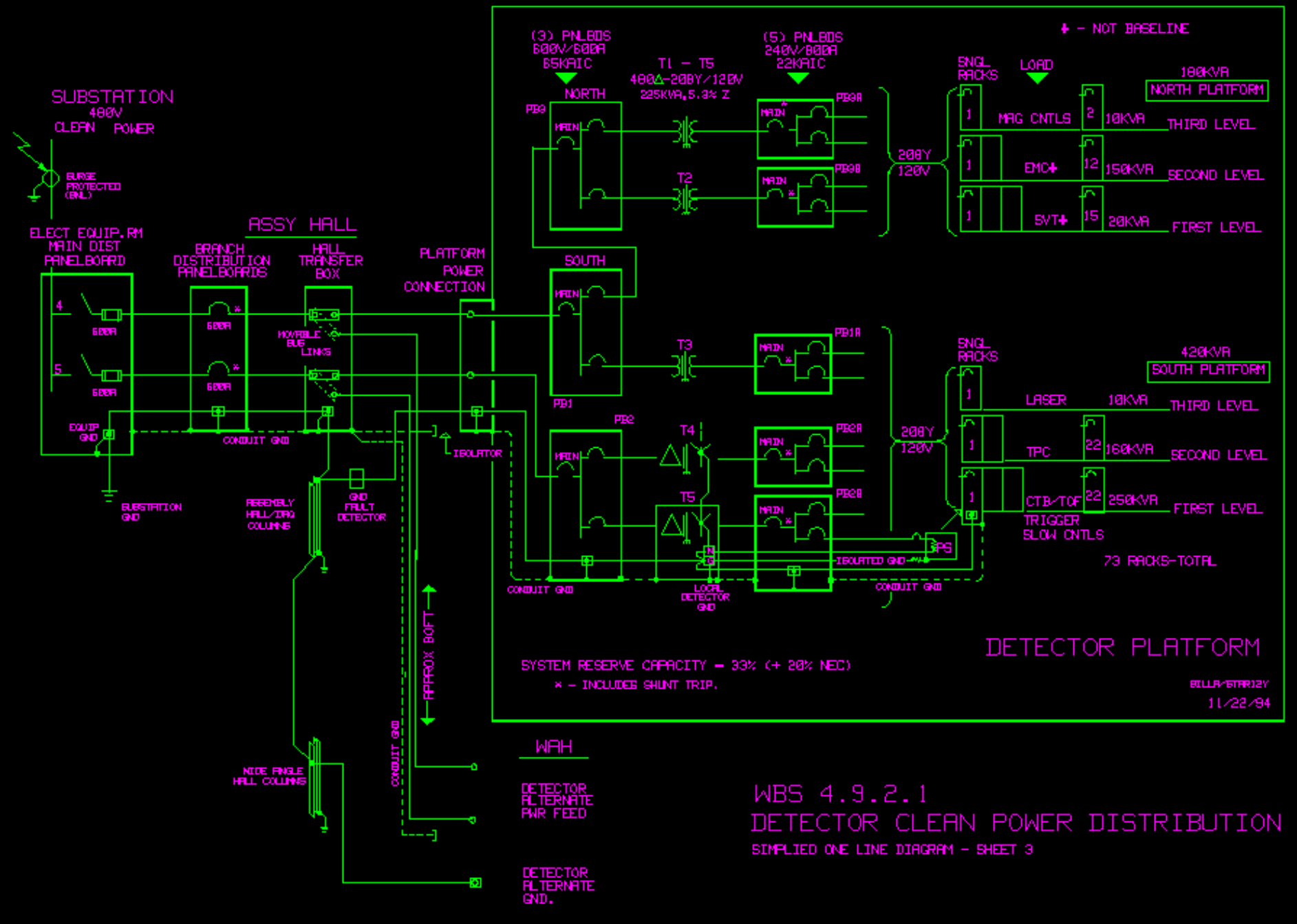
SUBSTATION
480V
CLEAN POWER
SURGE PROTECTED (BAL)
ELECT EQUIP. RM
MAIN DIST PANELBOARD
BRANCH DISTRIBUTION PANELBOARDS
ASSY HALL
HALL TRANSFER BOX
PLATFORM POWER CONNECTION
4
5
600A
600A
600A
600A
MOVABLE BUS LINKS
EQUIP GND
CONDUIT GND
SUBSTATION GND
ASSEMBLY HALL/IRQ COLUMNS
GND FAULT DETECTOR
ISOLATOR
CONDUIT GND
APPROX 80FT
NIDE ANGLE HALL COLUMNS
WAH
DETECTOR ALTERNATE PWR FEED
DETECTOR ALTERNATE GND.
(3) PNLBDS
600V/600A
65KAIC
NORTH
PB3
MAIN
T1 - T5
480Δ-208Y/120V
225KVA,5.3% Z
(5) PNLBDS
240V/600A
22KAIC
PB3A
PB3B
T2
SOUTH
PB1
PB1A
T3
PB2
PB2A
PB2B
T4
T5
208Y
120V
SNGL RACKS
LOAD
+ - NOT BASELINE
100KVA
NORTH PLATFORM
MAG CNTLS
10KVA
THIRD LEVEL
EMC+
150KVA
SECOND LEVEL
SVT+
20KVA
FIRST LEVEL
420KVA
SOUTH PLATFORM
LASER
10KVA
THIRD LEVEL
TPC
160KVA
SECOND LEVEL
CTB/TOF TRIGGER SLOW CNTLS
250KVA
FIRST LEVEL
73 RACKS-TOTAL
PS
ISOLATED GND
LOCAL DETECTOR GND
SYSTEM RESERVE CAPACITY = 33% (+ 20% NEC)
* - INCLUDES SHUNT TRIP.
DETECTOR PLATFORM
BILLA/STARIZY
11/22/94
WBS 4.9.2.1
DETECTOR CLEAN POWER DISTRIBUTION
SIMPLIED ONE LINE DIAGRAM - SHEET 3