E163 Layout

E163 Counting Room (b. 225)
225 Moved here Summer 2003

ORION Extension 2005

FL.EL.=245'

Add/change equipment inside NLCTA enclosure: March 2004

RF System
Oct 2003

RF System
Oct 2003

Overhead Cable Tray

NLCTA
Concrete Shielding Enclosure Fire Detection and Alarm System (“Area 2”)

Structure lifespan: 3 years
Start Construction: June 2003

Combustible Content: ~200# cabling in trays
Occupancy: 0.5-1.0 FTE per year
MCFL: ~200k$
MPFL: ~50k$
Total value of equipment: ~$500k

Added 3.5 feet to length (to give space for shielding)

Normal egress distance remains unchanged at ~50 feet
Electrical Power Disconnection

Emergency Substation Shutoff Switch:

→ trips the E163 Main 480 V breaker (ALL power off, including lights)

Fire Alarm from any E163 zone:

→ trips all local E163 circuits off EXCEPT: lights, 2 control racks