

E163 Layout

E163 Counting Room
(b. 225)

225 Moved here
Summer 2003

7

Overhead
Cable Tray

3

ORION
Extension
2005

E-163 Laser
R
LASER
ROOM

Oct
2003

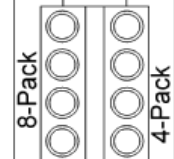
1

2

SHIELDED
ENCLOSURE
May 2003

FL.EL.=245'

8-Pack X-band
RF Source



5 WALL BLOCKS IV
8FT X 8FT X 2FT
APPROX WT = 20,0

5 TOP BLOCKS
ALL 10FT X 6.5 FT X 2FT
APPR

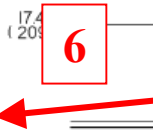
4.50FT (54in)
6.00FT (72in)

24.00FT (288in)

APPROX WT = 15,000 LBS EACH

11.58FT (139in)
BLOCK

6



4

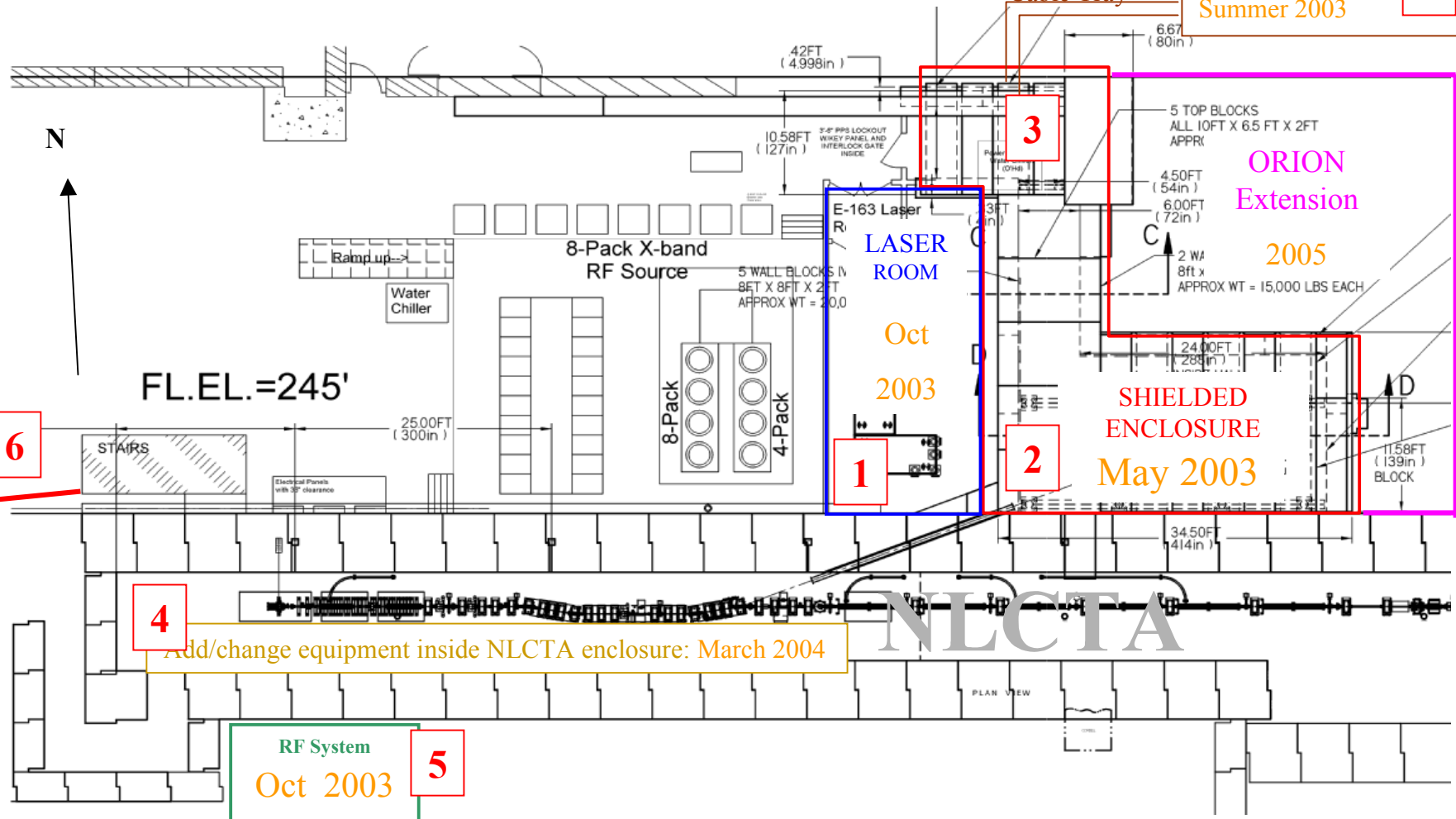
Add/change equipment inside NLCTA enclosure: March 2004

RF System
Oct 2003

5

NLCTA

PLAN VIEW



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

Combustible Content: ~200# cabling in trays

Occupancy: 0.5-1.0 FTE per year

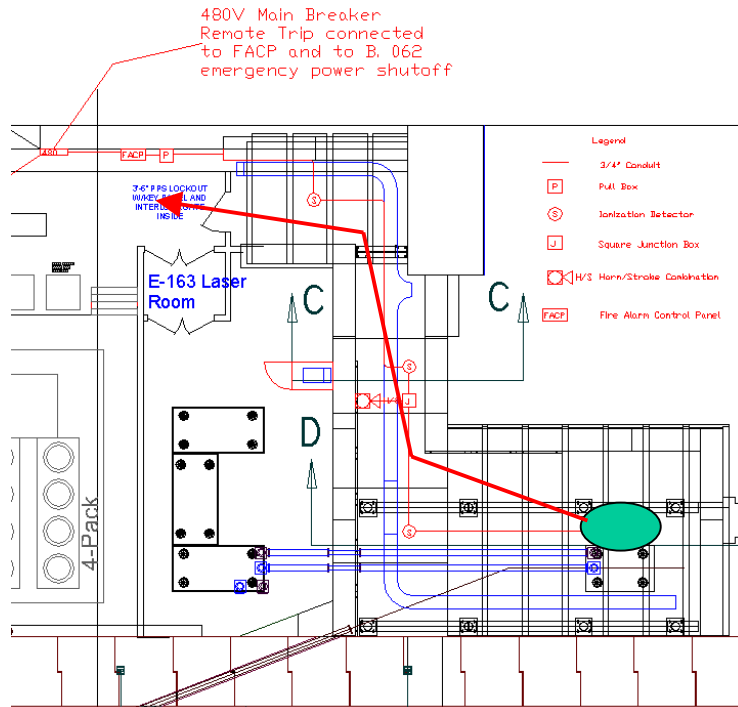
MCFL: ~200k\$

MPFL: ~50k\$

Total value of equipment: ~\$500k

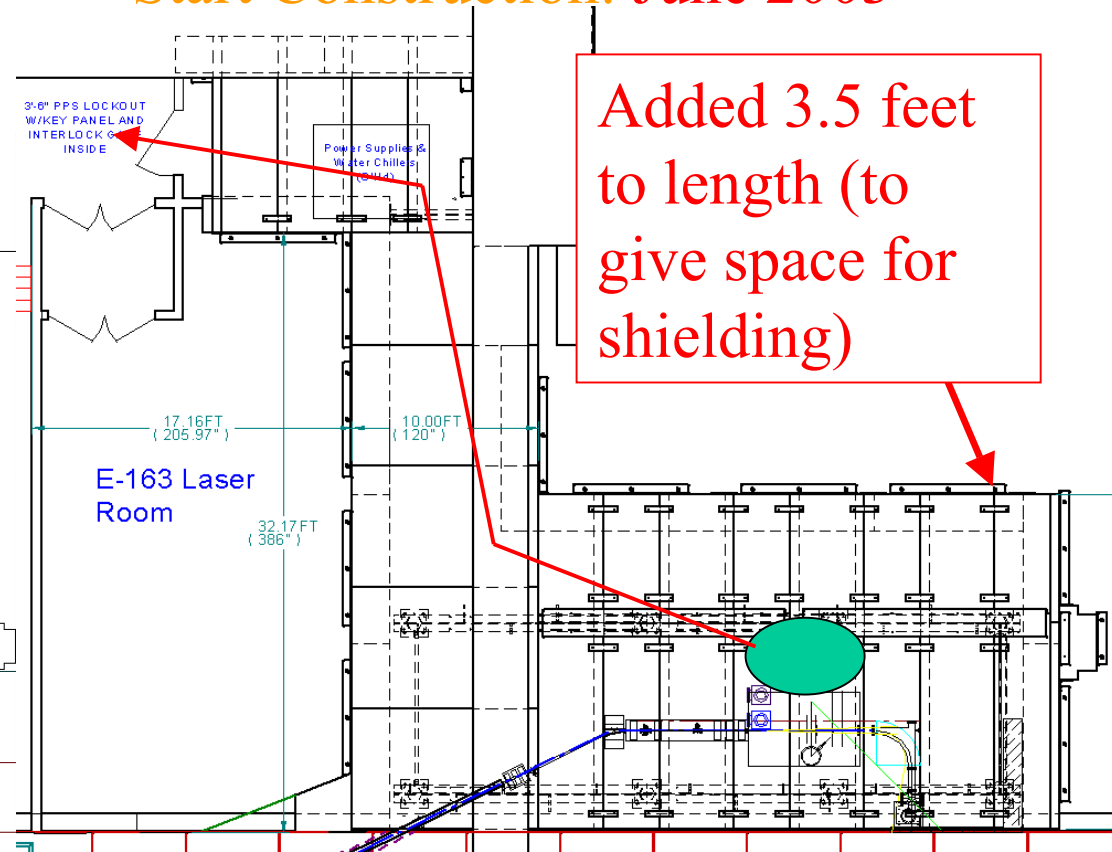
Structure lifespan: 3 years

Start Construction: June 2003



Conceptual Design,

presented to FPSC Feb. 3, 2003



Engineered Design,

presented to FPSC June 3, 2003

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

