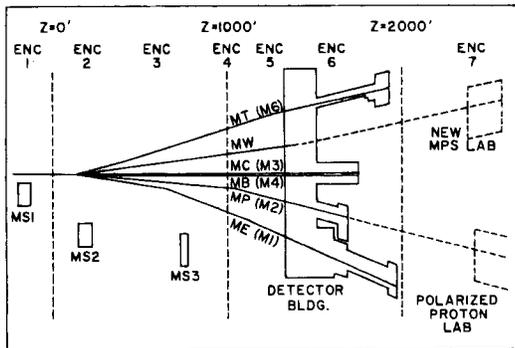
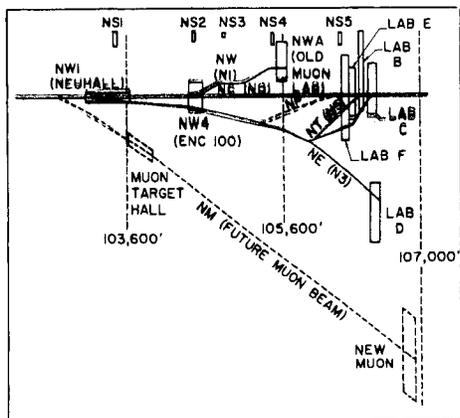


NEW BEAMS, NEW NAMES, CONVENTIONS

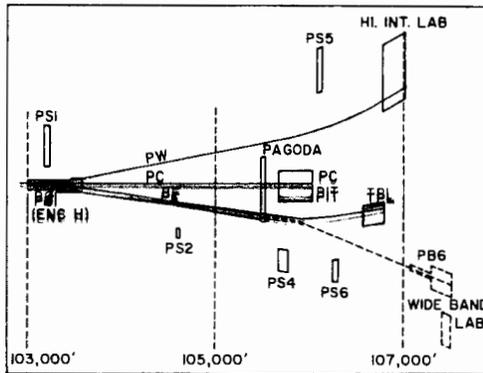
Marshall Mugas

The Tevatron era has brought a great many changes to the experimental areas at Fermilab. A three-way split to Meson, a two-way split to Neutrino, and an effective four-way split to Proton plus major new construction of a prompt neutrino beam, a muon beam, a polarized proton beam, and a broad-band photon beam are highlights of the upgrades now in progress. With so much change, the Experimental Areas Department (EAD) took the opportunity to rename beam lines and enclosures in a way that most people will quickly relate to a location in the experimental areas. In addition, beam-line devices were named with a set of descriptive qualifiers. The resulting naming convention is a composite of many people's efforts and reflects some past practices from the Meson, Neutrino, and Proton Areas.



The associated figures show the beam lines in each of the three areas. The following list correlates old and new names.

<u>Old</u>	<u>New</u>	<u>Mnemonic</u>
M1	ME	Meson East
M2	MP	Meson Polarized Proton
M3	MC	Meson Center
M4	MB	Meson Bottom
M5 (M6/M8)	MW	Meson West
M6	MT	Meson Test (for the next run a misnomer)
Muon	NM	Neutrino Muon
N3	NE	Neutrino East
N5	NT	Neutrino Test
Beam Dump	NP	Neutrino Prompt Beam
N0	NC	Neutrino Center
N1	NW	Neutrino West
PE/WB	PB	Proton Broad Band Beam
PE/TP	PE	Proton East
PC	PC	Proton Center
PW	PW	Proton West



Enclosures along beam lines are numbered sequentially from 1 to 9. When needed, enclosures continue with letters. The criss-crossing of beams along some lines requires the sequence to skip forward in order to keep a unique number/letter for each enclosure. The Meson Area is divided somewhat arbitrarily into "enclosures."

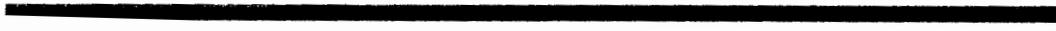
Devices in the beam line assume the Area/Beam Line/Enclosure plus device code. For example, a west bending

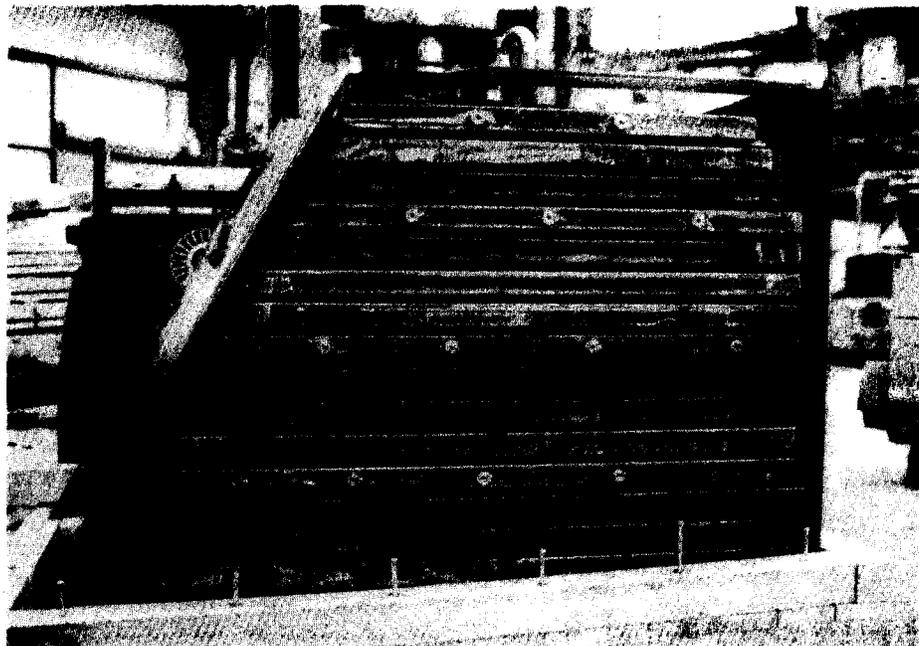
magnet string in the Neutrino West Enclosure 4 becomes NW4W. Quadrupoles in NW Enclosure 8 become NW8Q. There are currently over 30 "devices" which are creeping out of various corners as we ready the beam lines for the upcoming run.

New beams and new names have come together in a new convention. A compendium of these conventions is now 21 pages long and growing. This systematic approach was necessary in order for EAD personnel to quickly find and service the more than 4000 devices in the Experimental Areas. Our goal is a highly efficient operation in the coming run.



Construction work in progress on the Detector Building at B0.
(Photograph by Fermilab Photo Unit)



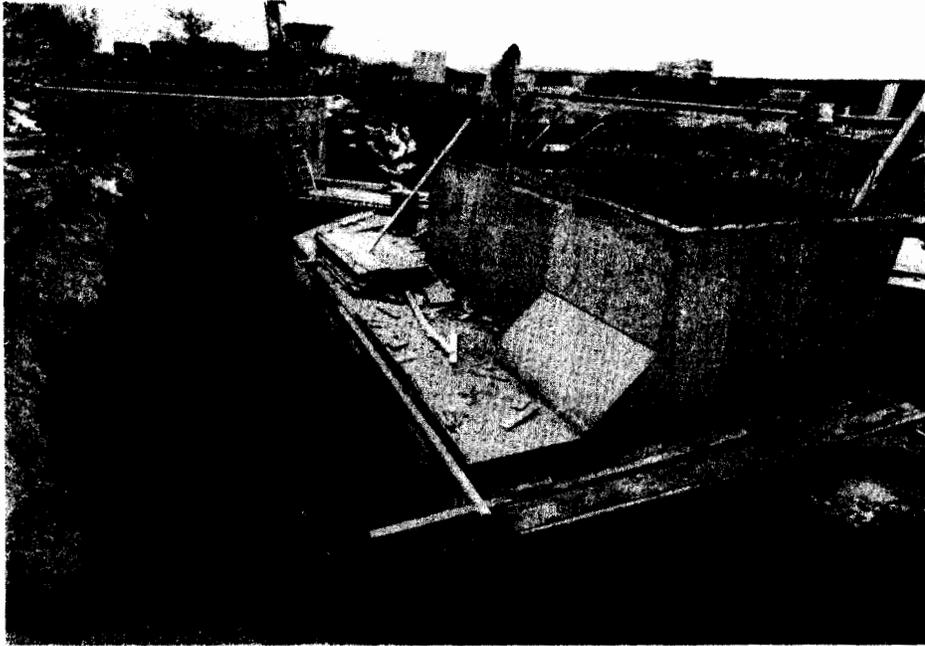


An end-wall hadron calorimeter module. The 2-inch thick steel plates of the calorimeter are assembled and cut at Purdue University. The scintillator sheets which will be mounted between the steel plates and their light guides are prepared in Pisa and Frascati, Italy.

(Photograph by Fermilab Photo Unit)

PROPOSALS RECEIVED FROM DECEMBER 1982 THROUGH FEBRUARY 1983

<u>No.</u>	<u>Title</u>	<u>Spokesperson</u>
729	A Proposal to Study Charm and Multiparticle Production in 1 TeV Proton-Emulsion Collisions	A. Gurtu
730	Proposal: Emulsion Exposure to 250 GeV Sigma-Minus	R. Wilkes
731	Proposal: A Measurement of the Magnitude of ϵ'/ϵ in the Neutral Kaon System to a Precision of .001	B. Winstein
732	Proposal: A Search for the $ \Delta S = 2$ Weak Non-Leptonic Decay $\Xi^0 \rightarrow p\pi^-$	M. Sheaff
733	Proposal to Study High Energy Neutrino Interactions with the Tevatron Quadrupole Triplet Beam	R. Brock



Construction work in progress for Tevatron II.
(Photograph by Fermilab Photo Unit)