

Decreasing Nu/POT Problem

- Beam line
 - Booster and MB toroids consistent with each other $\sim 3\%$ level.
- Horn
 - Horn current and timing nominal. Horn off running rules out horn.
- Target
 - Analysis of target temperature and air flow shows no significant changes correlated with time.
- Detector
 - Low level quantities, energy scale, etc, constant.
 - NuMI nu/POT constant.
- Decay Regions
 - LMC, MI13 chipmunk, and dump muon monitors show rate changes correlated in time with nu/POT changes.

25m Absorber Investigation

- Jan 3-5th a 90 ton crane was available to remove shielding blocks above the 25m absorber region.
 - minimal radiation.
- Investigation found two (out of 10) 25 ton steel plates had fallen into the decay region.
 - chains broke on the two fallen plates.
 - Down blocks were in upright position.
 - assume other chains are bad from long term corrosion and stress.

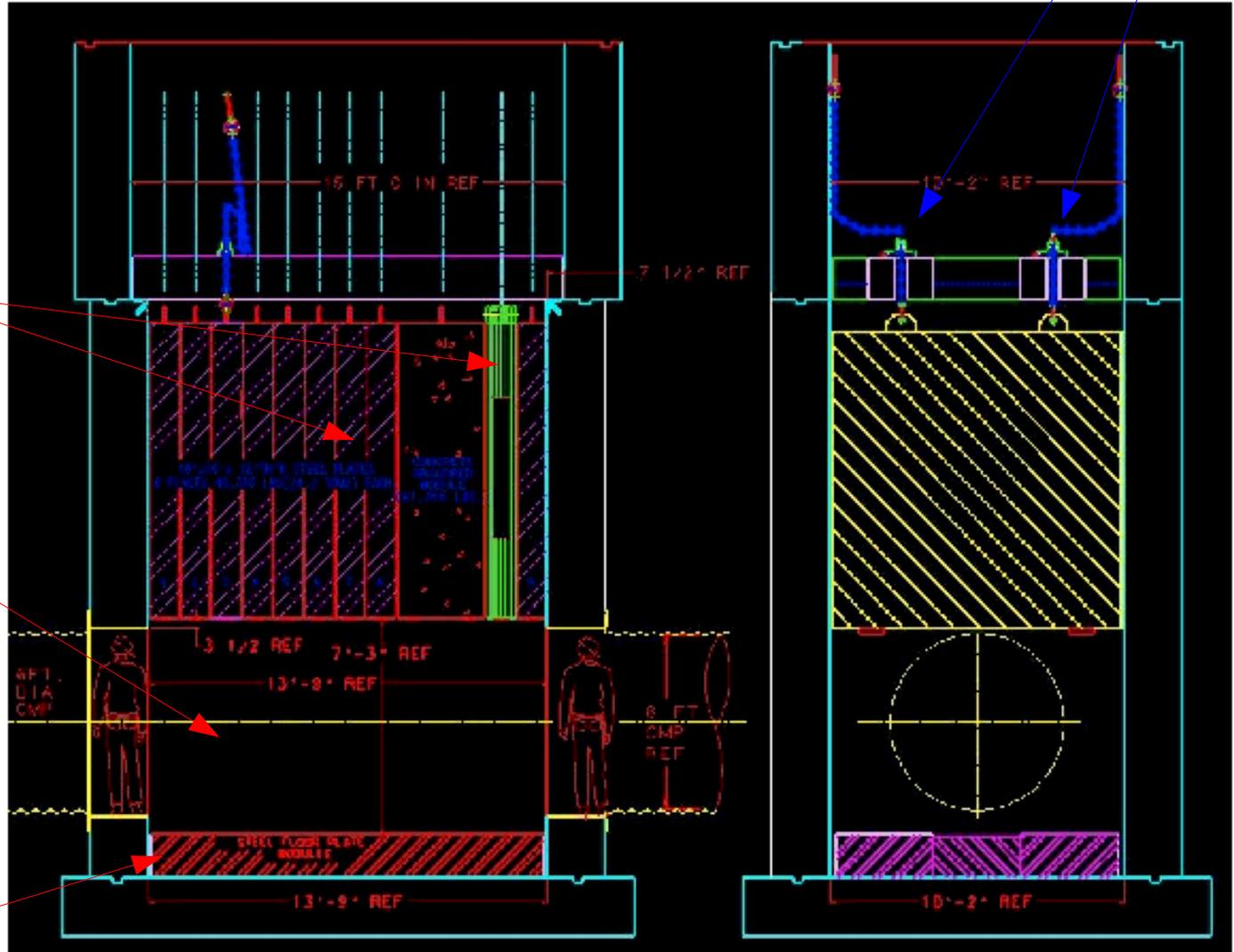
25m Absorber Region:



25m Absorber Region

Chains rated for 17 tons each.

25 METER ABSORBER - ELEVATION & CROSS-SECTION



Two 25 ton plates fell into down position (a 7' drop).

Beam direction

Steel floor

Future Plans

- Work on repairs to put back 25m absorber in original condition.
 - Many ideas, need to reduce to one and make it happen.
 - Broken chains being sent out for analysis to understand how it happened.
- Work on simulation of 25m absorber with two plates deployed to understand data.
- MiniBooNE beamline will be down for awhile (1-2 months).
- Continue running the detector to take NuMI beam data and be supernova live.