DAMPING RING BASELINE TECHNICAL REVIEW

CONVENTIONAL FACILITIES AND SITING GROUP

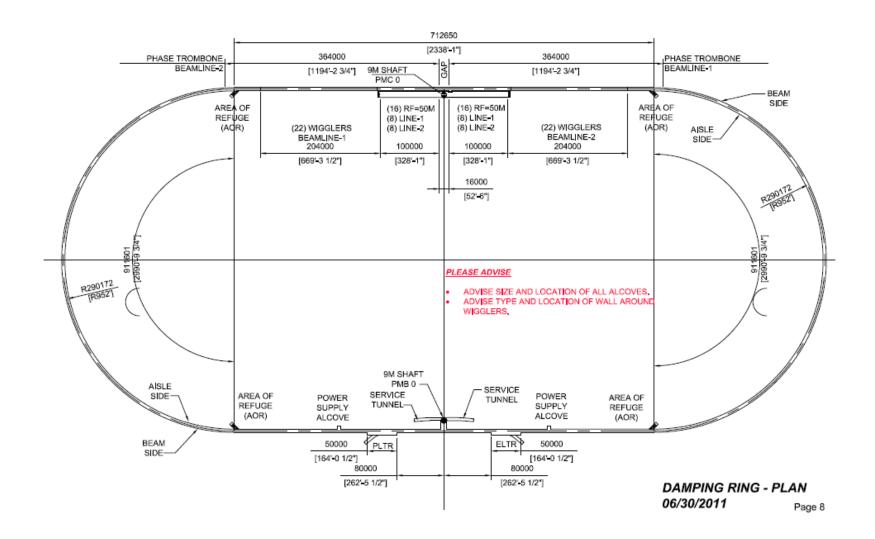
CFS Damping Ring Mechanical and Electrical Tunnel Specifications

V. Kuchler

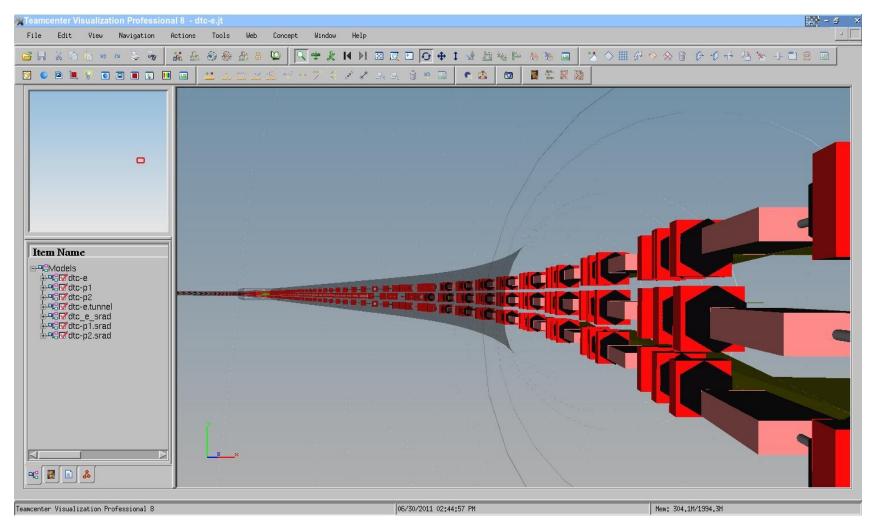
Preparation for the DR BTR

- Several Aspects of the Damping Ring Design Were Discussed
 - Personnel will not Occupy the RF Cavern During Beam On Conditions
 - Final Configuration of the RF Cavities, Klystrons and Related Equipment
 - A Thermal/Radiation Barrier will be Required Between the RF Equipment Cavern and the Damping Ring Tunnel
 - Beamline Spacing was Established
 - Tunnel Temperature Requirements were Established Including the Need for Temperature Isolation of Wiggler Areas
 - Magnet Power Supply Spacing and Configuration
 - Requirements for Equipment Alcoves for Injection/Extraction
 Straight Section



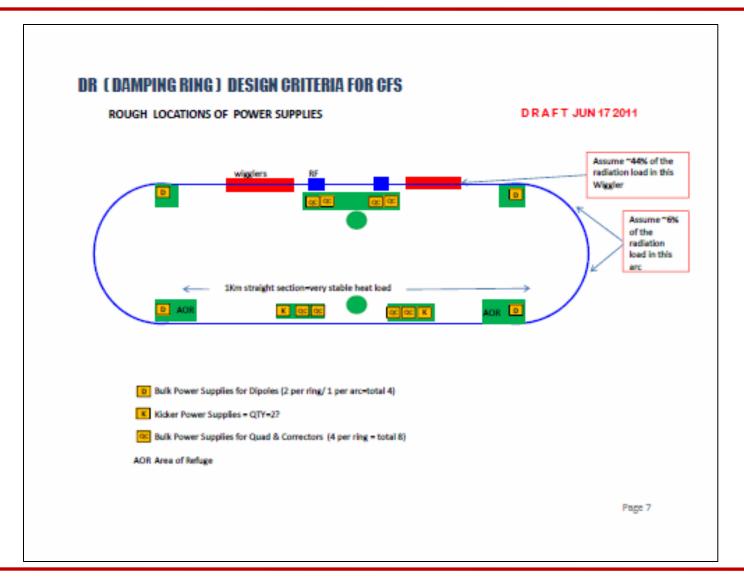




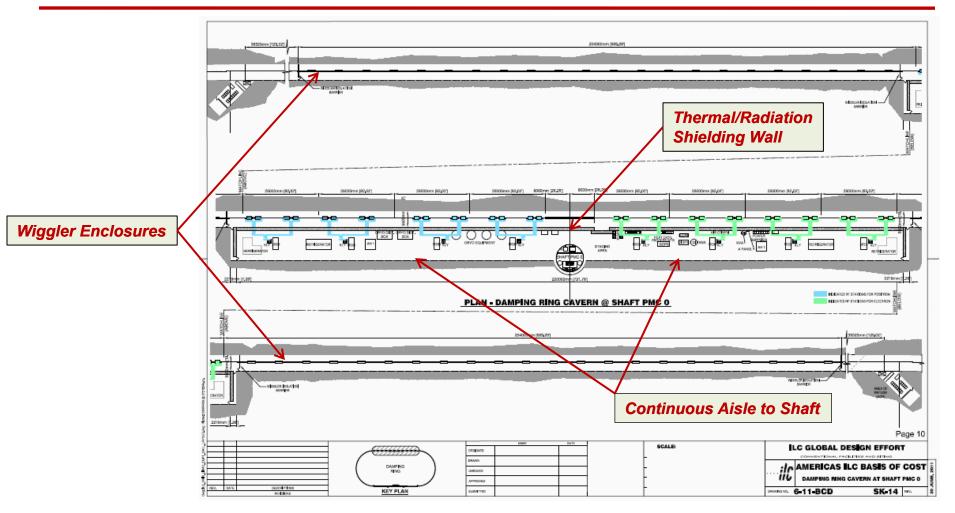


Courtesy Benno List



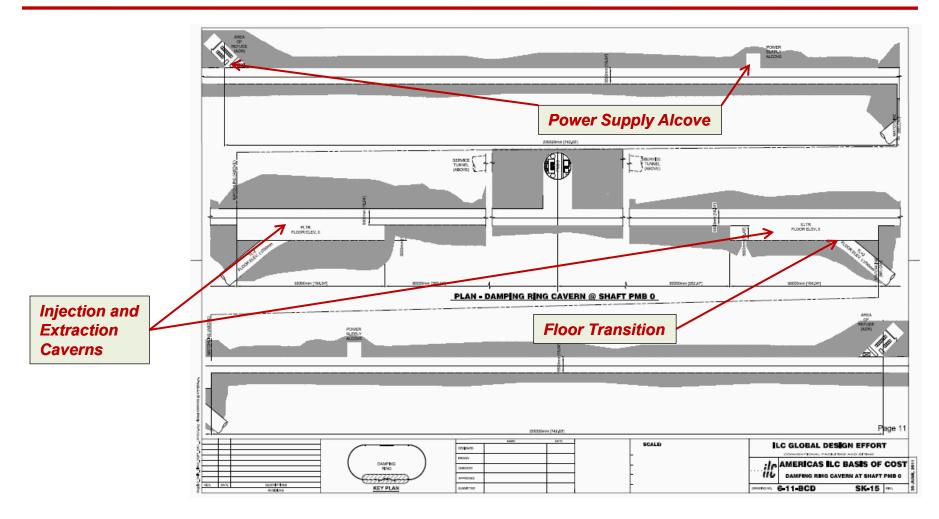






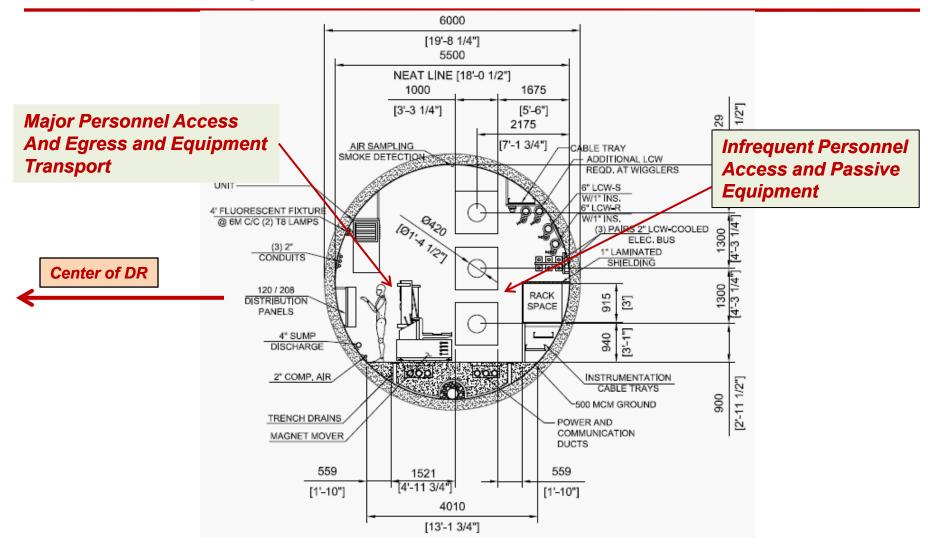
Plan at Damping Ring RF Straight Section



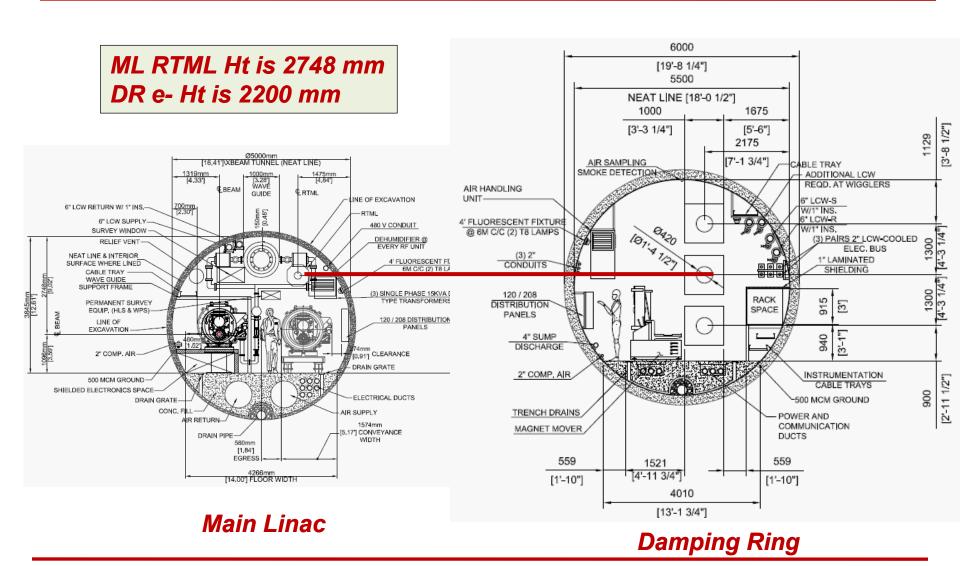


Plan at Damping Ring Injection/Extraction Straight Section

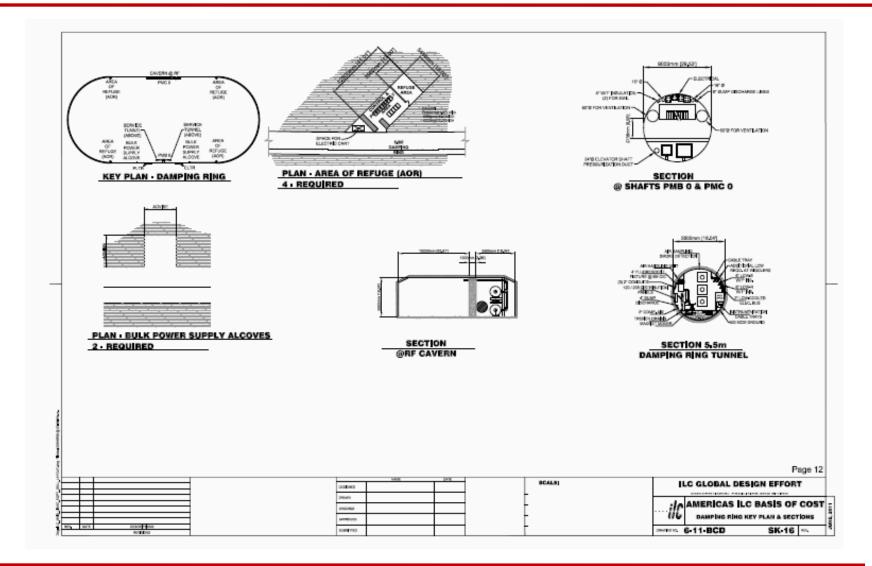












Summary

- Some Refinement of the Civil Drawings is Still Required to Support the New Cost Estimate
- Mechanical and Electrical Drawings are Being Produced by the Americas Region Consultant
- Civil Cost Numbers Should be Available in 3-4 weeks
- Mechanical and Electrical Costs will not be Available Until September
- The CFS Damping Ring Criteria Format will Be Used for the Remaining Area Systems
- We Hope the Level of Detail Provided will Remain Consistent