



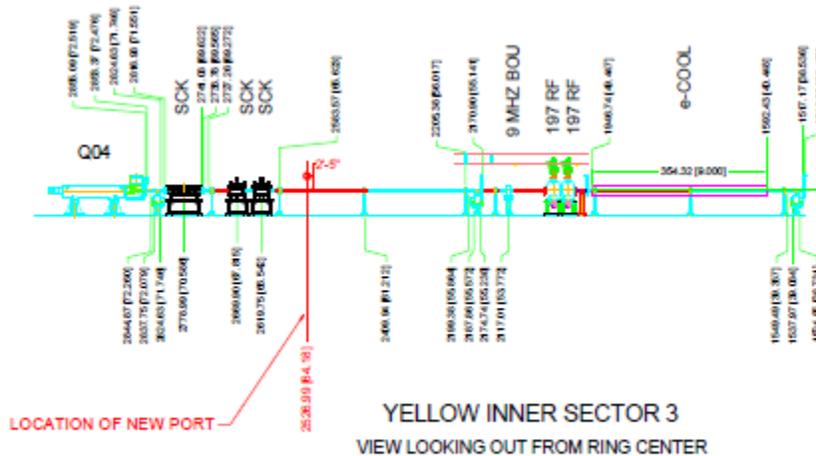
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Memo

date: August 27, 2010
to: RSC, C. Folz
from: D. Beavis *DB*
subject: Additional Penetration at 3 O'clock

Only one penetration was placed at 3 O'clock to service new equipment in the ring. The analysis is essentially the same as for the previous penetration¹. There is no reason to repeat the analysis since these are essentially identical. The new penetration will be 6-8 feet north of the existing penetration. This displacement has no impact on the analysis for potential radiation exits the penetration.

C. Folz has provided the figure below which depicts the entry of the penetration in the ring 2.5 feet above beam height.



The new penetration must be inspected prior to beam operations in RHIC to ensure that the assumptions on vertical displacement assumed in the radiation calculations are correct for the as built pipe. (CK-RHIC-HY11-725)

Reference

1. D. Beavis, "[Two 12-inch Penetrations for Stochastic Cooling at 3 O'clock](#)", May 19, 2008.

CC: A. Drees
 G. McIntyre
 A. Pendzick