

Project Summary

RTU-1 was measured at each diffuser with a flow hood to establish a total flow for that unit. The total airflow is below design but couldn't be increased due to the BMS not being started up. The diffusers were balanced proportionally low. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was manually set.

RTU-2 was measured by taking a total traverse on the unit. The individual diffusers could not be adjusted due to racks in the way. The unit serves an open warehouse and is not expected to cause any issue since the total flow is within design. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was manually set.

EF-1 was measured by reading each grille with a flow hood. The total flow was then adjusted to within tolerance and the individual diffusers were balanced to design.

EF-2 was measured at the intake. The total flow was initially very low due to an issue with the backdraft damper. This was resolved and airflow is now within design.