



Precision Control Systems, Inc.

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October 9, 2020

Jeanne Keane
Senior Director of Buildings and Grounds
Oak Park Elementary School District 97
260 Madison Street
Oak Park, IL 60302

RE: Classroom Ventilation Rate – Air Changes Per Hour

Ms Keane,

Precision Control Systems is pleased to provide you with the following information pursuant to your request to evaluate the fresh air (outdoor air) ventilation rates for the Oak Park Elementary School District 97 facilities.

Design Outdoor Air - Air Changes per Hour (OA ACH) were calculated utilizing the physical room dimensional data and design ventilation rates as presented in the issued for construction design drawings for recent projects at Brooks Middle School, Hatch Elementary School, Irving Elementary School, Julian Middle School, Longfellow Elementary School, and Mann Elementary School. Utilizing a sample of classrooms across all D97 facilities, we calculated an average design ventilation rate of 3.0 OA ACH with an average minimum outdoor air percentage of 36%.

Please note that ventilation code requirements are not based on air changes per hour. The International Mechanical Code ventilation requirements are calculated using a formula based on Occupancy Classification, Occupant Density, and Floor Area and follow ASHRAE Standard 62.1. While Precision is not responsible for the design ventilation calculations, we believe that all classroom spaces were designed to meet or exceed the ventilation rates required by local building codes.

Thank you,
Precision Control Systems, Inc.

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