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REQUEST FOR INFORMATION

DATE: March 02, 2017 **NO.:** RFI-467

To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name: 15051-Webster University Interdisciplinary Science Building Project No.: 15051

Subject: Confirm minimum distance for occupancy sensors

Response Required By: March 09, 2017

Drawing / Spec Reference:

Information Requested:

Please confirm the minimum distance necessary for occupancy sensors to be kept away from the diffusers.

Is 36" acceptable for a typical location? Does larger airflow require more distance away?

Response:

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ARCHITECT'S RESPONSE:
This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Per specification section 265700, sensors should be kept 4' from supply air diffusers. This is a general guideline intended to eliminate the possibility of occupancy sensors detecting supply air. 36" is acceptable but may require sensor adjustment if the supply air interferes with the sensor. Yes, larger airflows require a greater distance away. And likewise, little airflow, or airflow directed away from the sensor would be less likely to interfere with the sensor. Please note interference is typically more likely with dual tech sensors than with PIR only sensors. And in our experience, the microphonic sensors used on this project are less likely to detect air movement than traditional ultrasonic sensors as they are based on audible sound rather than the Doppler effect due to physical motion. Please contact us if there are any spaces where the contractor is unsure of where to put the sensor.

Answered By: Mark de la Fuente, WTA Date: 3/6/17