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REQUEST FOR INFORMATION

DATE: July 11, 2016 **NO.:** RFI-198

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: Level 1 duct coordination with additional screenshots

Response Required By: July 18, 2016

Drawing / Spec Reference:

Information Requested:

Elevation Issues: (Exhaust flange elevation PDF)

- The pink exhaust duct is as high as it can go and the flanges are below ceiling elevation. The Green return duct is also tight to plumbing drains and steel that cannot be adjust up. There are taps that come off the bottom of the exhaust duct to serve the bathrooms and will add 6” or so to the bottom elevation which will put us even lower.

Interference and Access Issues: (bathroom looking west PDF)

- VAV 104 had to be moved into the women’s restroom due to the lack of ceiling space and elevation in the corridors. An access panel will need to be installed below this box for maintenance access. The duct taps that feed the men’s restroom also cannot fit with the current elevations and will be interfering with the current ceiling.
- At the inlet of the green return duct, the duct itself is wider than the entry way to the bathrooms. We will have components at the inlet of this duct that will need to be accessed. A motorized damper that will need at least 12” on one side of the duct to access the actuator. If the doors to the bathroom move in towards the bathroom a minimum of 6” each, it should give us enough room for access. The return airflow measuring station will also need that access along with access to the inlet of the duct. The airflow station has components that can only be accessed from the inlet. Access panels will need to be cut into the wood ceiling or the ceiling changed to accommodate access.

Suggestion: Please see previously returned RFI 181 and attached screenshots.

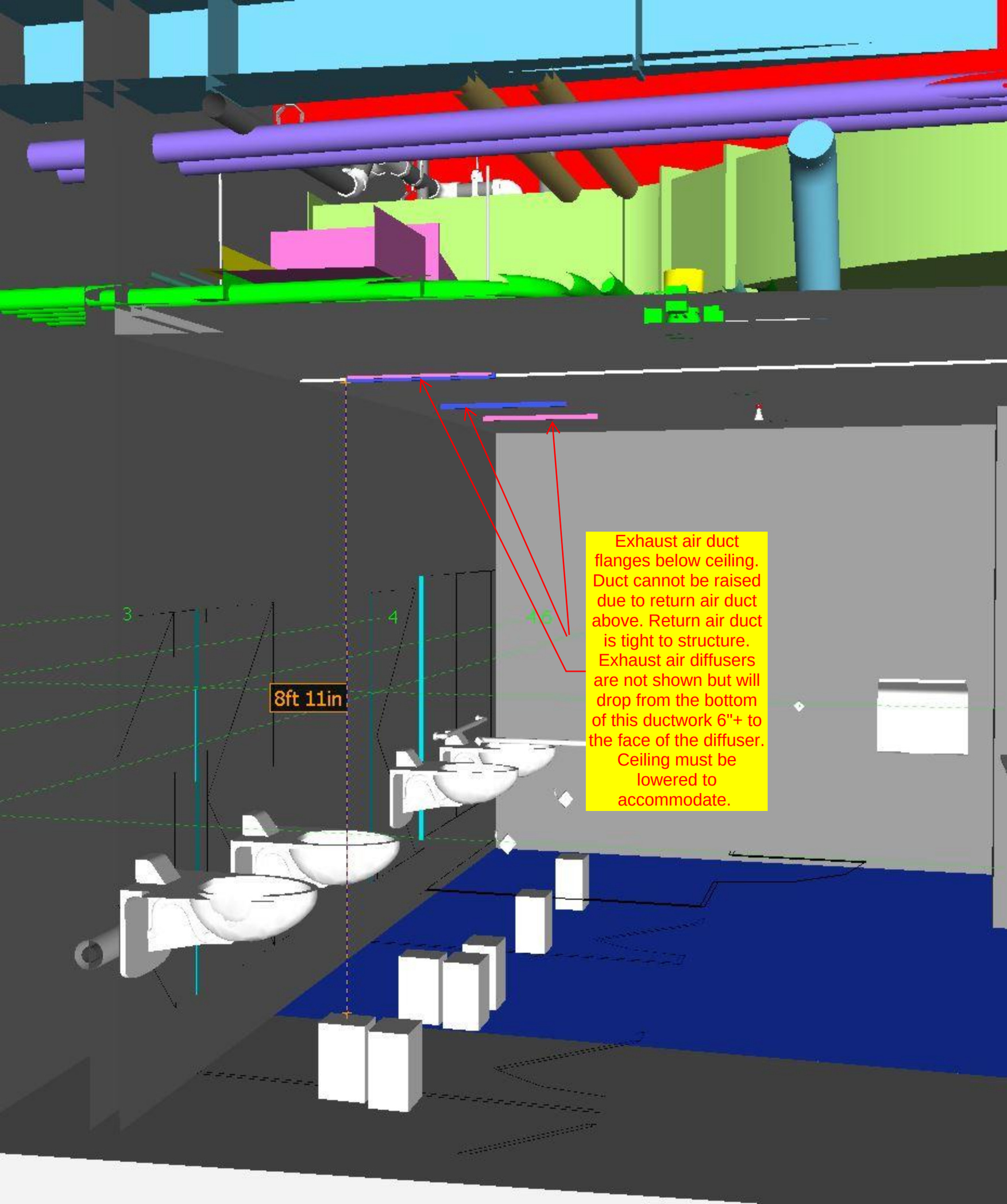
Response:

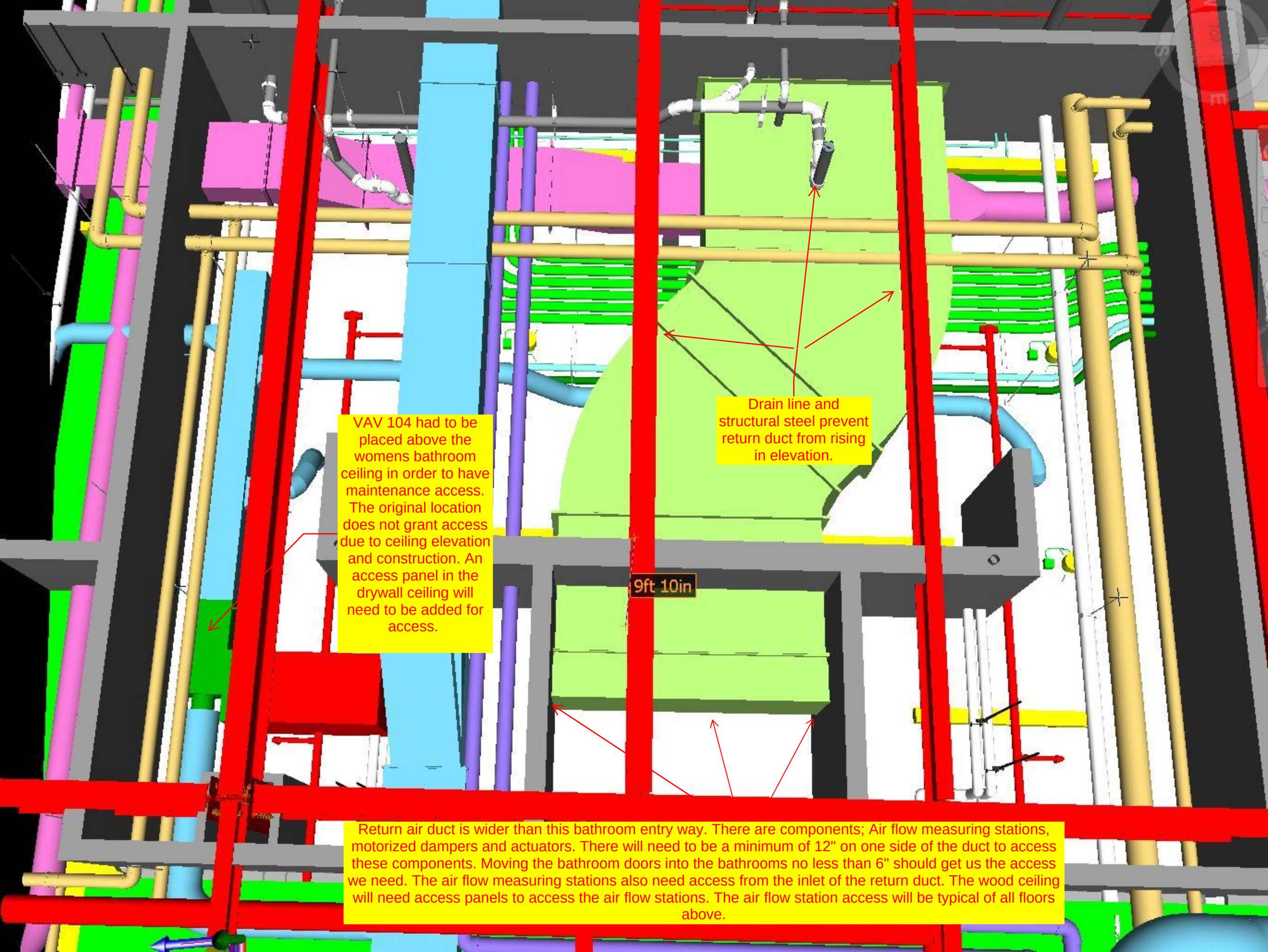
Per discussion last week - Ceiling in Level 01 toilet rooms 177 AND 179 will be lowered to 8'-4". Other toilet room ceilings will not be lowered . Further exploration will be done at upper level ceilings.
Width of entry will remain as is to accommodate sightlines and clearances.
Actuator access to be via access panel inside toilet room.
Wood ceiling panel will be accessible via concealed mounting.
Within the toilet rooms, access panels will be sized and located to be aligned with each other.

Answered By: Lynn Grossman Date: 08.03.16

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.

Answered By:_____ _____ Date:_____


Exhaust air duct flanges below ceiling. Duct cannot be raised due to return air duct above. Return air duct is tight to structure. Exhaust air diffusers are not shown but will drop from the bottom of this ductwork 6"+ to the face of the diffuser. Ceiling must be lowered to accommodate.
8ft 11in
3
4


VAV 104 had to be placed above the womens bathroom ceiling in order to have maintenance access. The original location does not grant access due to ceiling elevation and construction. An access panel in the drywall ceiling will need to be added for access.
Drain line and structural steel prevent return duct from rising in elevation.
9ft 10in
Return air duct is wider than this bathroom entry way. There are components; Air flow measuring stations, motorized dampers and actuators. There will need to be a minimum of 12" on one side of the duct to access these components. Moving the bathroom doors into the bathrooms no less than 6" should get us the access we need. The air flow measuring stations also need access from the inlet of the return duct. The wood ceiling will need access panels to access the air flow stations. The air flow station access will be typical of all floors above.