

AcoustiControl is a Certified 100% Woman Owned Business

Construction Verification Inspection Visit 3
Webster University Interdisciplinary Science Building
470 East Lockwood Avenue
Webster Groves, Missouri 63119
Client: Cannon Design
Proposal: H1092
Report Date: July 13, 2017

Construction Verification Inspection Visit 3 was conducted on July 6, 2017. After the walk through was completed, an discussion was had on site with Jason Szachnieski of Paric regarding items 5 & 6. The inspection was of the following as it relates to acoustics:

1. Inspection of demising and corridor walls.
2. Acoustical caulking of demising and corridor walls.
3. Inspection of install of mullion mate between offices.
4. Inspection of 4th floor ceiling assembly for general chemistry laboratory 472.
5. 1st floor mechanical room acoustical ceiling.

Observations

Below are our observations. Any issues will be in **bold type**.

1. The number of layers of drywall specified for corridor and demising walls are being installed correctly.
2. The overlapping of the two layers of drywall being installed on one side of the demising and corridor walls are being installed correctly.
3. The insulation in the corridor and demising walls is being installed correctly.
4. The caulking at the top and bottom of the walls is acceptable.
5. In offices 325, 342, and 419 there are gaps where the mullion mate does not close the gap between the demising partition and the window mullion. In these cases, one is able to see between the offices. It is

recommended that the all mullion mate that has been installed be re-inspected to insure no acoustical leaks.

6. The 1st floor mechanical room acoustical ceiling has been installed correctly but the perimeter has not been caulked and all the penetrations have not been properly sealed.
 7. The 4th floor ceiling assembly for general chemistry laboratory 472 has been installed correctly.
 8. The open stairway is being installed correctly by being independently supported.
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If you have any questions, please feel free to call me at 314.436.9770.

Sincerely,



Jim Holtrop, INCE, ASA, ASHRAE

AcoustiControl LLC

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Construction Verification Inspection Visit #1
Webster University Interdisciplinary Science Building
470 East Lockwood Avenue
Webster Groves, Missouri 63119
Client: Cannon Design
Proposal: H1092
Report Date: April 20, 2017

Construction Verification Inspection Visit #1 was conducted on April 4, 2017. Kelvin Patel of Cannon Design and Jason Szachnieski were in attendance during the inspection. The inspection was of the following as it relates to acoustics:

1. Inspection of demising and corridor walls.
2. Acoustical caulking of demising and corridor walls.
3. Inspection of lecture hall curtain wall.
4. Lecture Hall HVAC duct installation.

Observations

Below are our observations. Any issues will be in **bold type**.

1. The number of layers of drywall specified for corridor and demising walls are being installed correctly.
2. The two layers of drywall being installed on one side of the demising and corridor walls are installed correctly.
3. The insulation in the corridor and demising walls is being installed correctly.
4. The mechanical equipment in the mechanical room is being installed with the required vibration isolation.
5. The lecture hall curtain wall has the proper insulation installed per specification.
6. The ductwork for the lecture hall had the required internal duct liner installed.

7. The lecture hall HVAC ductwork had the required internal duct liner installed.
8. The major concern was the caulking of the demising and corridor walls. There are significant gaps in the caulking both at the top and bottom of the walls on all walls inspected.
9. Many penetrations including sprinkler pipes, plumbing, HVAC, electrical and beam penetrations have not been sealed correctly.

Items 8 & 9 are Noted. Items will be caulked and can be reviewed for conformance on Site Visit #2

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Construction Verification Inspection Visit #1 was conducted on April 4, 2017. Kelvin Patel of Cannon Design and Jason Szachnieski were in attendance during the inspection. The inspection was of the following as it relates to acoustics:

1. Inspection of demising and corridor walls.
2. Acoustical caulking of demising and corridor walls.
3. Inspection of lecture hall curtain wall.
4. Lecture Hall HVAC duct installation.

Observations

Below are our observations. Any issues will be in **bold type**.

1. The number of layers of drywall specified for corridor and demising walls are being installed correctly.
2. The two layers of drywall being installed on one side of the demising and corridor walls are installed correctly.
3. The insulation in the corridor and demising walls is being installed correctly.
4. The mechanical equipment in the mechanical room is being installed with the required vibration isolation.
5. The lecture hall curtain wall has the proper insulation installed per specification.
6. The ductwork for the lecture hall had the required internal duct liner installed.

7. The lecture hall HVAC ductwork had the required internal duct liner installed.
 8. The major concern was the caulking of the demising and corridor walls. There are significant gaps in the caulking both at the top and bottom of the walls on all walls inspected.
 9. Many penetrations including sprinkler pipes, plumbing, HVAC, electrical and beam penetrations have not been sealed correctly.
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Construction Verification Inspection Visit 2
Webster University Interdisciplinary Science Building
470 East Lockwood Avenue
Webster Groves, Missouri 63119
Client: Cannon Design
Proposal: H1092
Report Date: June 1, 2017

Construction Verification Inspection Visit 2 was conducted on April 25, 2017. After the walk through an update discussion was made on site to Jason Szachnieski. The inspection was of the following as it relates to acoustics:

1. Inspection of demising and corridor walls.
2. Acoustical caulking of demising and corridor walls.
3. Inspection of lecture hall curtain wall.
4. Three main classrooms HVAC duct installation.

Observations

Below are our observations. Any issues will be in **bold type**.

1. The number of layers of drywall specified for corridor and demising walls are being installed correctly.
2. The two layers of drywall being installed on one side of the demising and corridor walls are installed correctly by being overlapped.
3. The insulation in the corridor and demising walls is being installed correctly.
4. The ductwork for the three main classrooms had the required internal duct liner installed.
5. Since the construction visit 1 on April 4, 2017 the caulking has been greatly improved on the 1st, 2nd, and 3rd floors. The caulking no longer has significant gaps at the top and bottom of the walls on all walls inspected. The few exceptions are discussed below.
6. The penetrations through demising and corridor walls on the 1st, 2nd, and 3rd floors have now been caulked properly.

7. There is a beam on the third floor across from the open stair way that penetrates a demising wall and does not appear to be caulked.
8. Two of the 2nd floor main classrooms have structural beams close to the demising walls this gap should be filled with 6 to 7 pcf mineral wool at a depth of 4 inches or more and then sealed with Hilti spray acoustical sealant.
9. The open stairway is being installed correctly by being independently supported.

If you have any questions, please feel free to call me at 314.436.9770.

Sincerely,



Jim Holtrop, INCE, ASA, ASHRAE

AcoustiControl LLC