



FIELD OBSERVATION REPORT #1

PROJECT: Webster University – Interdisciplinary Science Building
PROJECT NO: Webster University Project #; R&B #1136-16
DATE OF OBSERVATION: November 14, 2016
DATE OF THIS REPORT: November 15, 2016
PARTICIPANTS: Mike Harris
CC: Participants
Central File

NOTE: Omission of any item of non-compliance with the contract documents from this report does not relieve the contractor of his responsibility to comply with requirements of the contract documents.

OBSERVATIONS/COMMENTS:

R&B visited the jobsite to review the progress of construction.

LEVELS 00:

Mechanical:

1. Air handling unit installation is in full progress. No concerns at time of field observation.



2. Pumps and air control devices have been installed and piping/accessories installation is in full progress.





Plumbing/Fire Protection:

1. Sump pumps have been installed and are in operation.



LEVEL 01 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.





2. Contractor to walk entire site and confirm all VAV box access panels can be accessed.



3. Most staged and installed ductwork/terminal unit locations have open ends sealed. Contractor to confirm all open ended ductwork is sealed.



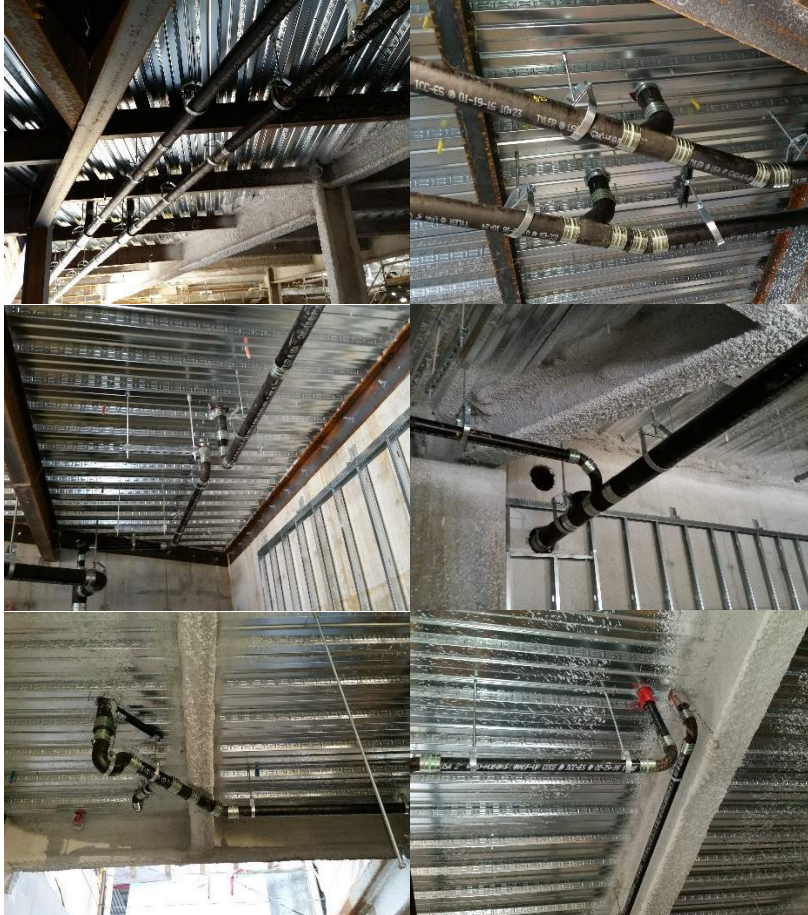


Plumbing/Fire Protection:

1. Underground plumbing rough-ins are capped and ready for tie-in.

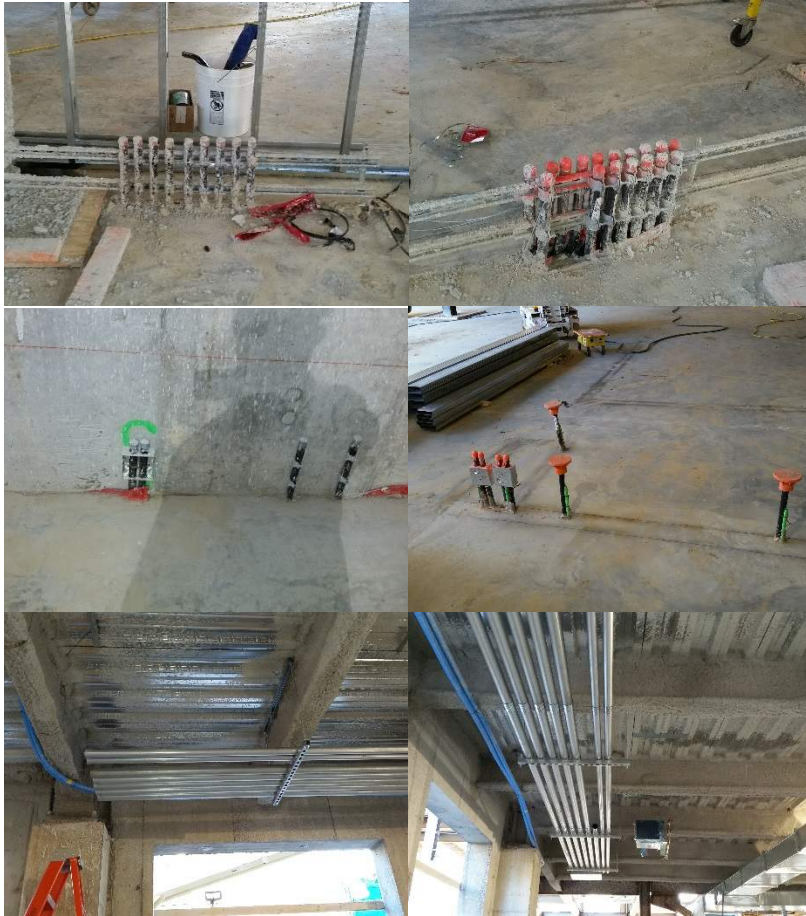


2. Plumbing installation is in progress. No concerns at time of field observation.



Electrical/Low Voltage:

1. Electrical through floor rough-ins have been installed. No concerns at time of field observation.



SIGNED: _____
Field Consultant

SIGNED: Mike Harris

Ross & Baruzzini, Inc.



Ross & Baruzzini

6 South Old Orchard | St. Louis, MO 63119
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FIELD OBSERVATION REPORT #2

PROJECT: Webster University – Interdisciplinary Science Building
PROJECT NO: Webster University Project #; R&B #1136-16
DATE OF OBSERVATION: December 8, 2016
DATE OF THIS REPORT: December 12, 2016
PARTICIPANTS: Mike Harris & Jim Ward
CC: Participants
Central File

NOTE: Omission of any item of non-compliance with the contract documents from this report does not relieve the contractor of his responsibility to comply with requirements of the contract documents.

OBSERVATIONS/COMMENTS:

R&B visited the jobsite to review the progress of construction.

General Comments:

1. Contractor to walk entire site and confirm all terminal boxes have complete access to control panels.
 - a. Confirm piping/piping insulation will allow for panel removal.



- b. Confirm terminal unit control valve will allow for panel removal.



- c. There are a number of staged terminal units that have similar issue with panel removal.



- d. Contractor to confirm piping at terminal units has been installed level.



2. Contractor to walk entire site and confirm all terminal box control panels have been installed level.



3. Contractor to walk entire site and confirm that all sprinkler heads remain covered during construction.



LEVELS 00:

Mechanical:

1. Air handling units have been set. At time of observation, units were being piped. No concerns at time of field observation.





2. Pumps and air control devices have been installed and piping/accessories installation continues.

Plumbing/Fire Protection:

4. Plumbing & fire protection work is in full progress.

Electrical/Low Voltage:

1. Electrical rough-in installation continues. No concerns at time of field observation.

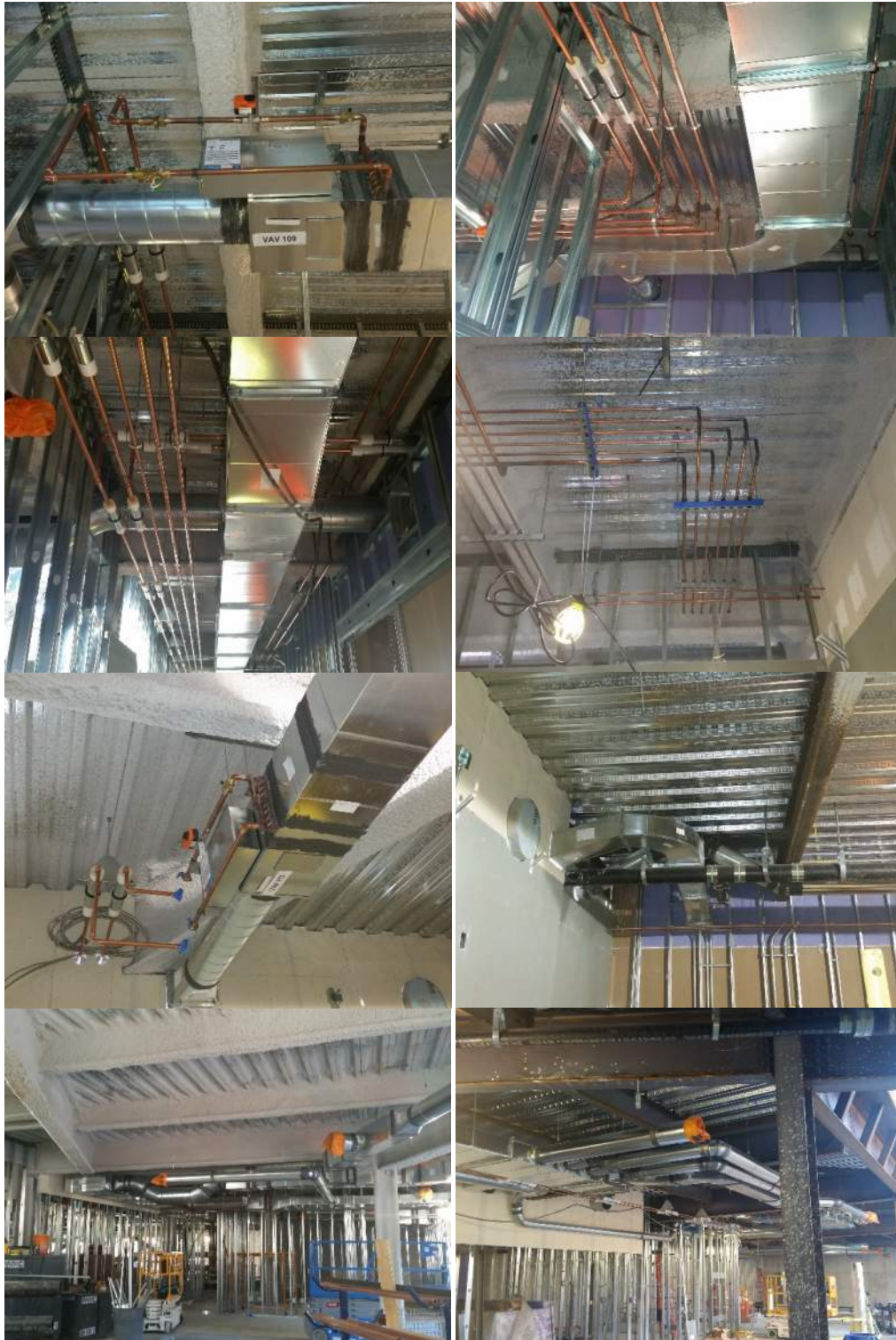


LEVEL 01 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.







2. Most staged and installed ductwork/terminal unit locations have open ends sealed. Contractor to confirm all open ended ductwork is sealed.

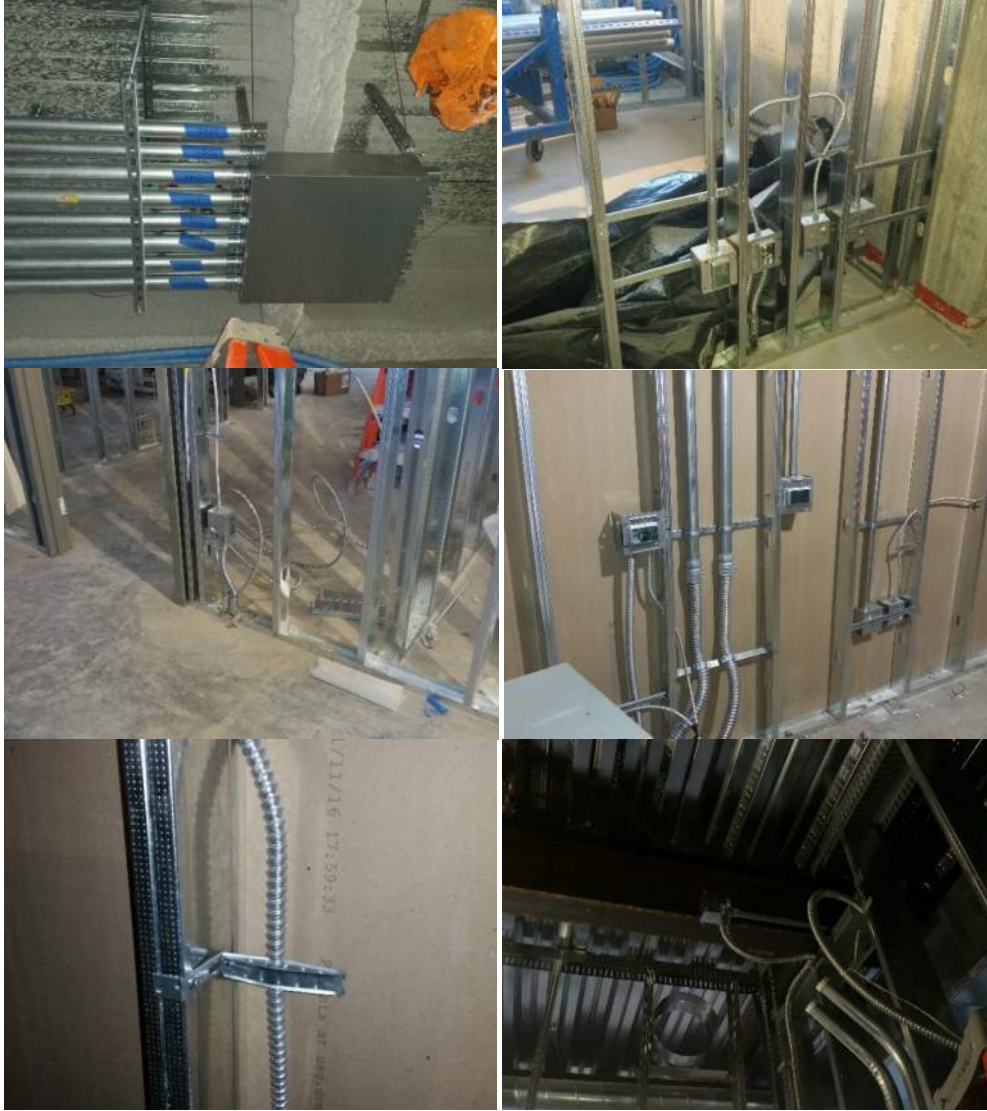
Plumbing/Fire Protection:

1. Plumbing installation is in full progress. No concerns at time of field observation.



Electrical/Low Voltage:

1. Electrical rough-in installation is in full progress. No concerns at time of field observation.



LEVEL 02 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.

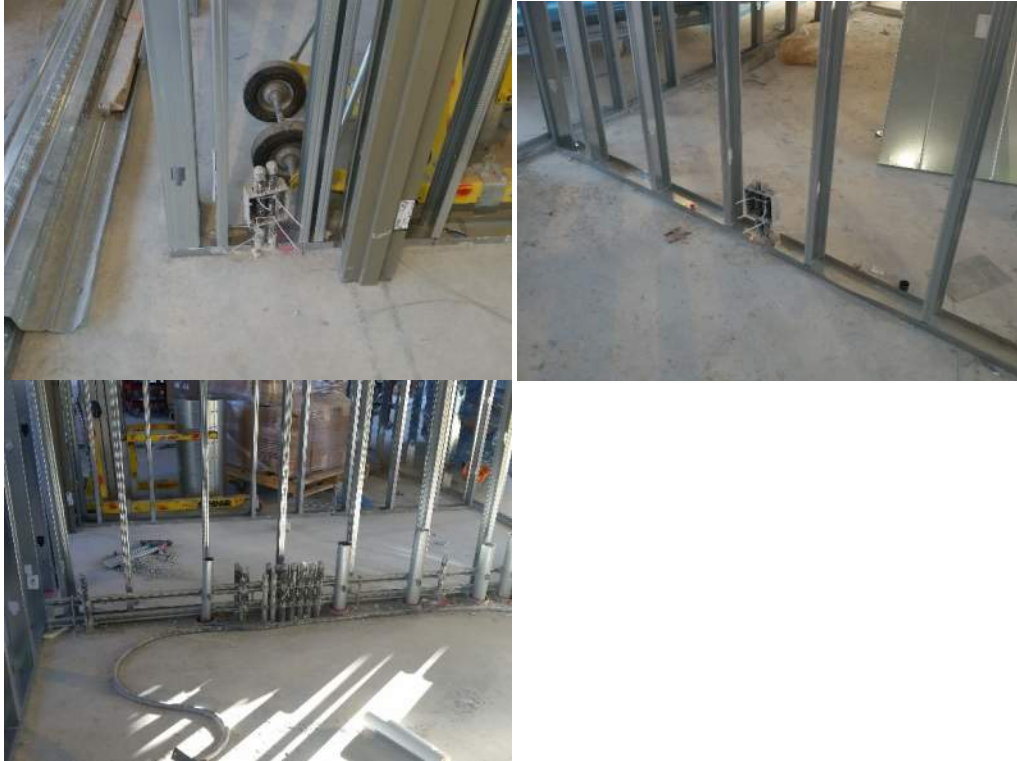


Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.

Electrical/Low Voltage:

1. Electrical rough-in installation is in full progress. No concerns at time of field observation.



LEVEL 03 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.





Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.

Electrical/Low Voltage:

1. Electrical rough-in installation is in progress. No concerns at time of field observation.

SIGNED: _____
Field Consultant

SIGNED: Mike Harris

Ross & Baruzzini, Inc.



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FIELD OBSERVATION REPORT #3

PROJECT: Webster University – Interdisciplinary Science Building
PROJECT NO: Webster University Project #; R&B #1136-16
DATE OF OBSERVATION: December 22, 2016
DATE OF THIS REPORT: December 22, 2016
PARTICIPANTS: Mike Harris
CC: Participants
Central File

NOTE: Omission of any item of non-compliance with the contract documents from this report does not relieve the contractor of his responsibility to comply with requirements of the contract documents.

OBSERVATIONS/COMMENTS:

R&B visited the jobsite to review the progress of construction.

General Comments:

1. Contractor to walk entire site and confirm all terminal boxes have complete access to control panels. The majority of the VAV boxes have complete panel access
 - a. Confirm piping/piping insulation will allow for panel removal.



2. Contractor to walk entire site and confirm that all sprinkler heads remain covered during construction.



LEVELS 00:

Mechanical:

1. Piping at air handling continues. No concerns at time of field observation.



2. Piping/installation is in full progress. No concerns at time of field observation.



Plumbing/Fire Protection:

1. Plumbing & fire protection work is in full progress.

Electrical/Low Voltage:

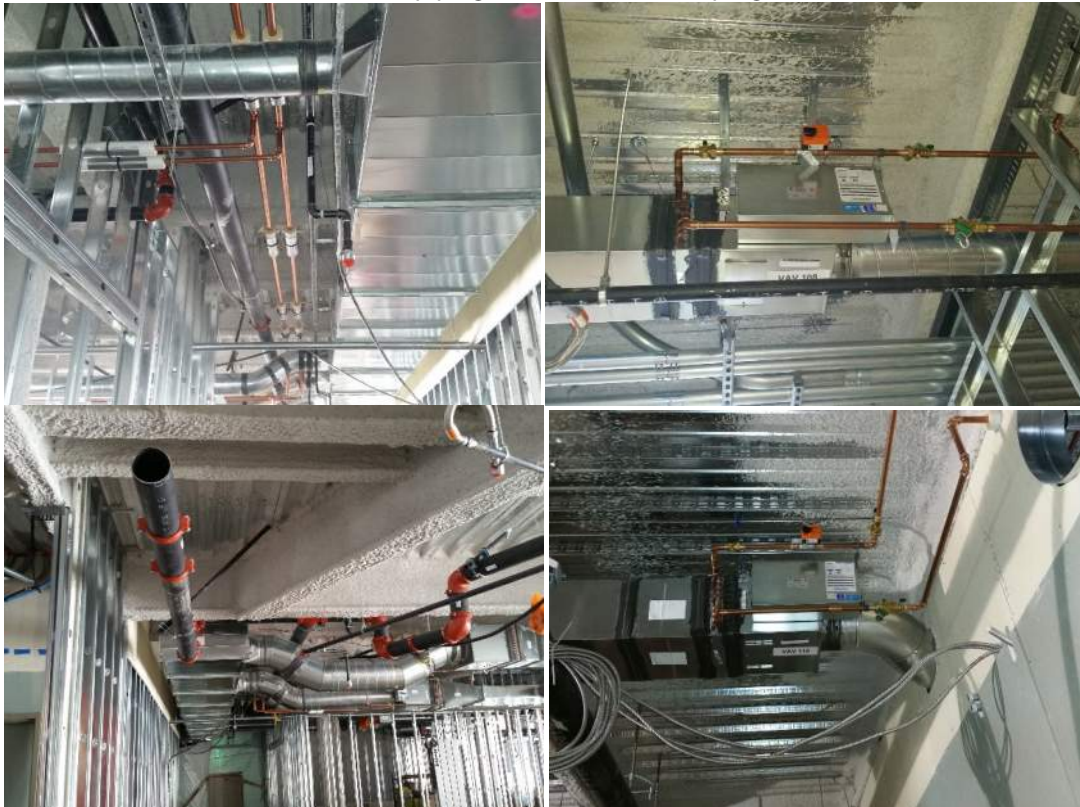
1. Cap/protect open conduits penetrating floor slab.



LEVEL 01 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.



2. Most staged and installed ductwork/terminal unit locations have open ends sealed. Contractor to confirm all open ended ductwork is sealed.

Plumbing/Fire Protection:

1. Plumbing installation is in full progress. No concerns at time of field observation.



Electrical/Low Voltage:

1. Service and feeder conduits are rough-in through floor slab for major distribution equipment and grounding electrode conductors are pulled.



2. Feeder conduits are installed for branch panelboards.



3. Power and telecom wiring device outlet rough-ins are installed on north side of level. MC cable is being installed to power outlets.



4. Branch panelboard cans are installed in north side and branch circuit wiring is being installed and pulled.
5. For the most part, bushings are provided for conduit stubs. Contractor to verify bushings are provided where necessary.



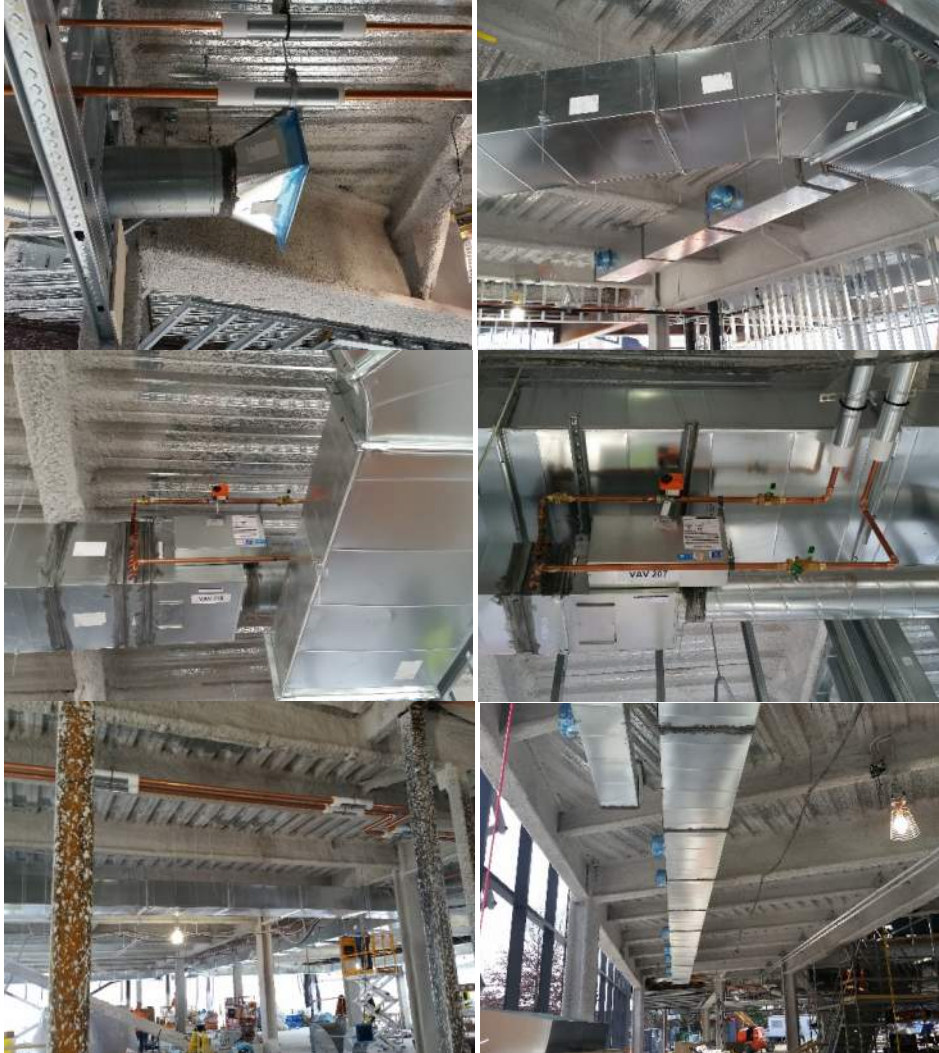
6. Electrical switchgear has been staged and is protected.



LEVEL 02 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.



Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.
2. Fire protection piping is staged and open ends are protected.



Electrical/Low Voltage:

1. Progress is similar to Level 01 as identified above.
2. Cable tray staging has begun.



LEVEL 03 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.



Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.

Electrical/Low Voltage:

1. Cap/protect open conduits penetrating floor slab.



2. Cable tray installation is in progress.



3. Wiring device outlet rough-ins are being installed on north side.

LEVEL 03 AREA:

Mechanical:

1. Mechanical piping installation is in full progress. No concerns at time of field observation



Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.



SIGNED: _____
Field Consultant

SIGNED: Mike Harris/Jim Partsch
Ross & Baruzzini, Inc.



FIELD OBSERVATION REPORT #4

PROJECT: Webster University – Interdisciplinary Science Building
PROJECT NO: Webster University Project #; R&B #1136-16
DATE OF OBSERVATION: January 22, 2017
DATE OF THIS REPORT: February 6, 2017
PARTICIPANTS: Mike Harris, Jim Ward
CC: Participants
Central File

NOTE: Omission of any item of non-compliance with the contract documents from this report does not relieve the contractor of his responsibility to comply with requirements of the contract documents.

OBSERVATIONS/COMMENTS:

R&B visited the jobsite to review the progress of construction.

General Comments:

1. Ductwork/piping/domestic water piping insulation has begun.
2. Contractor to walk entire site and confirm all **staged** ductwork and all **installed** ductwork not having a work scheduled connection made to it is covered/capped.
3. Contractor to walk entire site and confirm all terminal boxes have complete access to control panels. This box is located on the third floor.



4. Contractor to walk entire site and confirm that all staged ductwork is covered at all times during construction.



5. Contractor to walk entire site and confirm that all sprinkler heads remain covered during construction.



LEVELS 00:

Mechanical:

1. Piping at air handling continues. No concerns at time of field observation.
2. Piping/installation is in full progress. No concerns at time of field observation.
3. Contractor to remove fire proofing from piping as required for insulation installation.

Plumbing/Fire Protection:

1. Plumbing & fire protection work is in full progress. No concerns at time of field observation.
2. Contractor to explain the use of galvanized fire protection fittings at only certain locations.



Electrical/Low Voltage:

1. Electrical/Low Voltage work is in full progress.
2. Contractor to confirm offset of electrical conduits to avoid piping obstruction.



LEVEL 01 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.
2. Contractor to confirm all ductwork insulation at VAV box inlet/outlet connections will be sealed.



3. Contractor to confirm VAV-107 will be accessible for maintenance (coordinate with fire protection contractor).



4. Contractor to confirm ductwork/piping insulation will be installed continuous through walls.



5. VAV-120 access panel has been damaged.



Plumbing/Fire Protection:

1. Plumbing installation is in full progress. No concerns at time of field observation.

Electrical/Low Voltage:

1. Electrical/low voltage installation is in full progress.
2. Contractor to walk entire site and confirm all outlet box knockouts has been closed/sealed.



3. Contractor to walk entire site and confirm all flex conduit to outlet box connections are secure.



LEVEL 02 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.
2. Contractor to walk site and confirm no two (2) systems are in contact with each other.



Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.



2. Contractor to walk site and confirm pipe hangers are not installed at couplings.



Electrical/Low Voltage:

1. Electrical/low voltage installation is in full progress.
2. Contractor to walk entire floor and confirm all outlet box installations will not cause bowing of drywall.



LEVEL 03 AREA:

Mechanical:

1. Mechanical ductwork/terminal units/piping installation is in full progress.
2. Contractor to confirm all piping has been installed level as called out in the specification.



Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.

Electrical/Low Voltage:

1. Electrical/low voltage installation is in full progress.

LEVEL 04 AREA:

Mechanical:

1. Mechanical piping installation is in full progress.

Plumbing/Fire Protection:

1. Plumbing installation is in progress. No concerns at time of field observation.

Electrical/Low Voltage:

1. Electrical/low voltage installation is in full progress.
2. Contractor to walk entire floor and confirm all outlet box installations will not cause bowing of drywall.



SIGNED: _____
Field Consultant

SIGNED: Mike Harris

Ross & Baruzzini, Inc.



FIELD OBSERVATION REPORT #5

PROJECT: Webster University – Interdisciplinary Science Building
PROJECT NO: Webster University Project #; R&B #1136-16
DATE OF OBSERVATION: February 6, 2017
DATE OF THIS REPORT: February 9, 2017
PARTICIPANTS: Mike Harris
CC: Participants
Central File

NOTE: Omission of any item of non-compliance with the contract documents from this report does not relieve the contractor of his responsibility to comply with requirements of the contract documents.

OBSERVATIONS/COMMENTS:

R&B visited the jobsite to review the progress of construction.

General Comments:

1. Ductwork/piping/domestic water piping/fire protection is in full progress.
2. Ductwork/piping/domestic water piping insulation is in progress.
3. Contractor to walk entire site and confirm all **staged** ductwork and all **installed** ductwork not having a work scheduled connection made to it remains covered/capped.
4. Contractor to confirm all terminal unit coil pipe bends will be insulated.



5. Contractor to walk entire site and confirm that all sprinkler heads remain covered/protected during construction.
6. Contractor to walk entire site and confirm all piping has been installed level and has been installed with required supports.



7. Contractor to walk site and confirm all supply air valves are protected at all times during construction.



8. Contractor to walk site and confirm all air terminal unit control valves have not been installed below horizontal plane of piping (refer to Belimo installation guidelines).



9. Contractor to walk site and confirm no two (2) systems are in contact with each other.



10. R&B can confirm that ductwork/piping insulation is being installed continuously through walls (we will continue to monitor).



11. Contractor to walk site and confirm all domestic water pipe insulation has been sealed before drywall installation is completed.



12. Per the specification, pipe insulation is to be ran continuously through floors.



13. Wet wall plumbing rough-ins are being set. Contractor to confirm use of Pulled -Tees is acceptable.



14. Contractor to confirm all fire proofing will be repaired as required.



SIGNED: _____
Field Consultant

SIGNED: Mike Harris

Ross & Baruzzini, Inc.