Appendix B

Immersive Virtual Modeling for MEP Coordination

Immersive Environments Lab Survey

1.) What is your trade / scope of work?

_____

2.) How many years of MEP coordination experience do you have?

_____

Answer questions 3 through 8 on a scale of 1 – 5 where 1 = strongly disagree and 5 = strongly agree:

3.) I have a better understanding of the layout and/or sequence of the MEP work after viewing the immersive virtual model.

1 – Strongly Disagree   2 – Disagree   3 – Neutral   4 – Agree   5 – Strongly Agree

4.) The IEL would be a good environment to hold MEP coordination meetings.

1 – Strongly Disagree   2 – Disagree   3 – Neutral   4 – Agree   5 – Strongly Agree

5.) The immersive virtual model could be a valuable communication tool on the project.

1 – Strongly Disagree   2 – Disagree   3 – Neutral   4 – Agree   5 – Strongly Agree

6.) Visualizing the layout and elevations of duct and piping is easier with the immersive virtual model than with traditional 2-D drawings.

1 – Strongly Disagree   2 – Disagree   3 – Neutral   4 – Agree   5 – Strongly Agree

7.) Using an immersive virtual model like this one during the MEP coordination process could help avoid delays during construction.

1 – Strongly Disagree   2 – Disagree   3 – Neutral   4 – Agree   5 – Strongly Agree

8.) Using an immersive virtual model like this one could speed up the MEP coordination process.

1 – Strongly Disagree   2 – Disagree   3 – Neutral   4 – Agree   5 – Strongly Agree

Other Questions:

9.) What are some current challenges you face in MEP coordination? Could this technology help in resolving these challenges? If yes, state how it could be helpful.

10.) Can you identify any reasons why this technology could not be adopted in the construction industry?

11.) Has a lack of visualization of the MEP work on any project ever led to delays or other negative impacts on the project? If yes, please explain.

12.) Have you used 3-D CAD applications or advanced visualization applications on any projects. If yes, please explain your experience.

13.) Do you feel the immersive virtual model you experienced today in the IEL would be beneficial on a project? If yes, please explain how.

14.) Please provide any other comments or suggestions on the use of or improving the immersive virtual model for MEP coordination.