



EASTERN EXTERIOR WALL SYSTEMS INC.

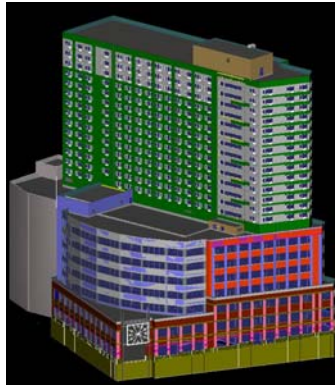
## EEWS Technical Notes Series

### -Focus on BIM-

By Andrew Hudson



Rendering



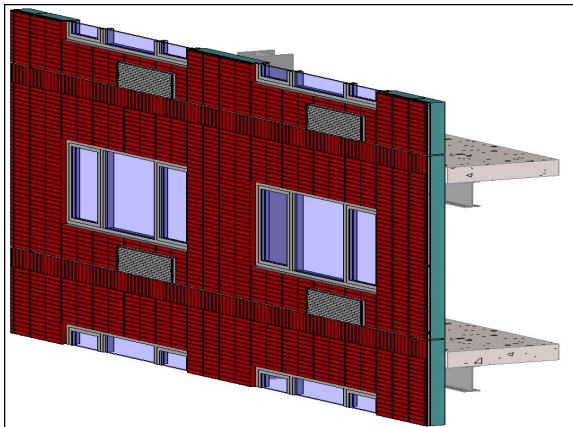
... to BIM model



... to Reality!

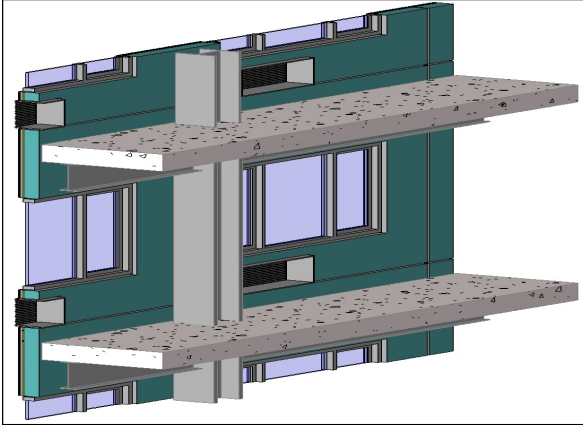
From architectural rendering to reality in record time with BIM. The New Brunswick Transit Village building is a mixed use high-rise. The exterior façade was designed by Meltzer/Mandl Architects, managed by AJD Construction and built by EEWS with pre-fabricated thin brick, composite metal, and EIFS panels. The exterior cladding was modeled using Revit, while the structural steel was modeled in Tekla. BIM was used to combine the two models for clash detection. The EEWS project team was able to get all of the structural clashes resolved ahead of panel fabrication.

BIM coordination, also enabled the development of the punch window installation details. To increase the overall speed of enclosing the building, it was determined that window installation into the panels would improve the quality of the window installation, sealants and flashings while saving the job time and money.





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EEWS' prefabricated exterior wall panel system with the windows installed enabled the residential tower portion of the project to be constructed in record time with very little construction materials required to be loaded on the floors or around the jobsite. The majority of the work (labor and materials) to enclose the building was performed off site thus freeing up space on the floors for interior work to stage materials and begin the interior trades ahead of schedule. BIM was used to plan the flow of deliveries to and from the jobsite as well as creating a plan to erect the hoist leave out section with a mobile street crane.

The combination of modern BIM coordination and skilled field layout kept the panel erecting moving ahead of schedule for the benefit of all the project stakeholders.



To learn more about EEWS' prefabricated exterior wall solutions, please contact us or visit our website at [www.eews.com](http://www.eews.com).

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