



Building Envelope BIM Services
WHEATON SPRAGUE BUILDING ENVELOPE
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Product	WS1000	WS2000	WS3000	WS4000	WS5000
	Clash Detection Modeling	Clash Detection Modeling - Client Specific	Sales and Marketing Modeling	Construction Modeling and Shop	Material Take-Offs
Scope	Client's entire scope modeled	Client's entire scope modeled	Client-defined portion of project is modeled	Client's entire scope modeled	Client's entire scope modeled
Components	Models built using representative profiles. (schematic detail)	Models built using client-specific profiles and components.	Models built using client-specific profiles and components.	Models built using client-specific profiles and components. and system specific elements	Models built using client-specific profiles and components. and system specific elements
Elevations			Included for client-defined areas	Included	Included
Details	No requirements for Detail Components (views showing extrusions in detail) or Drafting views (linked or imported AutoCAD drawings).	No requirements for Detail Components (views showing extrusions in detail) or Drafting views (linked or imported AutoCAD drawings).	Sections and details are included to showcase features of the client's product for the project	Initially, sections and details show the actual cut or component at the locations identified. All sections, level and detail views show Detail Components. As the CAD details are completed, linked .dwg files, as Drafting Views, replace the actual section and detail views	Extrusion profiles are created in the CAD files to augment the Revit modeling procedure. Sections and details show the actual cut or component at the locations identified. All sections, level and detail views show Detail Components.
BOM					Parts lists and BOMs are extracted from Revit.
Sheet Count	Sheet count is low and only used for informational purposes or to identify complex conditions.	Sheet count is low and only used for informational purposes or to identify complex conditions.	The sheet count is determined by the customer requirements	The sheet count is high with required conditions identified and detailed	The sheet count is high with required conditions identified and detailed
Renderings			Renderings are used to showcase specific features of the project. Cut-away and element specific renderings are used to increase the "wow" factor.	Renderings are used to clarify complex conditions as needed, identify possible design or construction issues, and to showcase specific features	Renderings are used to clarify complex conditions as needed, identify possible design or construction issues, and to showcase specific features.
Collision Detection	Navisworks collision detection completed for WSE scope. Collision detection with other trades to be completed by others.	Navisworks collision detection completed for WSE scope. Collision detection with other trades to be completed by others.		Navisworks clash detection report completed for client's scope. Clash detection with other trades to be completed by others.	Navisworks clash detection report completed for client's scope. Clash detection with other trades to be completed by others.
Files	Files are sent to clients in Revit or Navisworks format as required.	Files are sent to clients in Revit or Navisworks format as required.	RVT, DWG, PDF, TIF, JPG or as required by project	RVT, DWG, PDF, TIF, JPG or as required by project	RVT, DWG, PDF, TIF, JPG or as required by project
Other					It is possible to incorporate information from other programs (finite element analysis, renderings, parts manuals, etc.). This will be determined and negotiated based on customer needs