



## Revit Health Check

The Revit Health Check analysis covers topics such as model optimization, pain points in the modeling process, efficient file management, industry best practices, and review of key areas known to be the cause of slowness and inefficiency in Revit models. Using a simple color-coded reporting scheme, each area of analysis is graded with visual indicators, along with detailed explanation of the findings and suggestions for improvement where appropriate. To start this process, a customer will transmit a finished Revit project to MicroCAD Training & Consulting, where it will be analyzed in detail by a Revit Applications Specialist.

This service is intended for design professionals who have completed a project in Revit. Architects, engineers, designers, and construction professionals who use Revit regularly can gauge their strengths and weaknesses in project implementation with the Revit Health Check's targeted recommendations for improvement. This offering is also beneficial to new Revit teams in implementing best practices early in the Revit adoption process, as well as for seasoned Revit teams looking for greater efficiencies and validation of current workflows.

### Schedule

- 1 hour pre-service interview
- 1 day Revit project analysis
- 1 day Revit Health Check Report
- 1 hour results presentation

*See reverse side for more service details*



## Revit Health Check Assessment Categories

**Hardware and Operating System optimization.** The foundation of Revit efficiency is ensuring adequate hardware and optimized virtual memory settings.

**Project file size analysis.** An assessment whether the Revit project is as lean and efficient as possible, to realize time savings when synchronizing to central.

**Number and type of warnings.** It is best practice to keep the number of Revit warnings to a minimum, both for performance and model integrity.

**Design Options,** depending on how used, can impact model performance and information clarity.

**Workset analysis.** In a collaborative team environment, it is important that Revit model geometry be properly allocated into worksets that provide clear and effective separation of work.

**Family & Content review.** Among the most important aspects of Revit model performance and flexibility, comes from proper management of family content.

**Linked files management.** External files (Revit & CAD) are easily linked to Revit projects, but are they clean and streamlined files that ensure minimum impact on the Revit project model performance.

**Model constraint level.** This item takes a look for appropriate extent of locked, pinned, and dimensionally constrained geometry. Over-constraining Revit models can lead to loss of flexibility, modeling difficulties, and error messages.

**Component types, in-place families & massing.** Invariably there is a time and place for in-place families, but they should be used only selectively.

**Groups.** Abundant use of groups can adversely impact model performance; often geometry doesn't need to remain as grouped objects.

**Training, mentoring, and self-paced learning.** To what degree is an ongoing Revit training and skills acceleration program in place.

**Revit standards and support infrastructure.** Based on interview information, a general assessment whether sufficient Revit support systems are in place, such as Revit libraries, standard sheets, view templates, etc.

**Drafting/modeling practices.** This review assesses the model level of detail, quantity and types of views, relative to the final drafted sheets.

**Naming conventions** go a long way towards making the model information self-evident, enhancing organization and clarity of information.

**Print-ready efficiencies.** There are a number of best practices that help ensure your Revit project sheets are print-ready and showing the intended information. This review looks for evidence of these practices.

**For additional information on any of our services, training, or other offerings, please call 617-923-0500, e-mail at [mtcinfo@microcad3d.com](mailto:mtcinfo@microcad3d.com), or visit our website [www.microcad3d.com](http://www.microcad3d.com).**

