



Q-CAD

CAD DRAFTING SERVICES

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USA CORPORATION, WOMAN-OWNED, 30-YEARS EXPERIENCE

Revit Checklist

Contact Name:

Company Name:

Email:

Phone:

Please respond to as much of this checklist as possible. Complete only the sections that apply to your Revit BIM model requirements (other sections can be left blank). Your answers will help us develop a price and schedule to match your specific Revit BIM requirements.

To prepare a quote for your project, we need the following types of information:

1. Scanned TIF or PDF sheets
2. Existing CAD 2D files
3. Existing Revit background models, Revit templates, or Revit families
4. Photos (exterior and/or interior are very useful)
5. Project physical address (for our review using Google Earth)

Click the link below to upload your files via Dropbox:

<https://dropbox.hightail.com/qcad>

Revit Deliverables:

Models will be developed using default Revit families (Revit database). Models will not include text, dimensions, fixed equipment, moveable equipment. **If there are specific items needed for your model, please list items in #8 on next page.** Elevation views in 3D model may not necessarily match original documents since default Revit families will be used.

If you need help answering any questions, please let us know.

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General Questions

1. What version of Revit are you using (2019, 2020, 2021, 2022):
2. What turnaround do you need:
3. Building gross square feet:
4. Type of building:
5. Number of levels (including basement, mezzanine, etc):
6. Project Address, City, ST, Zip:
(For our review using Google Earth for additional clarification if needed)
7. What will be your primary use of the Revit model (**check one**):
 - Design presentation
 - New construction
 - Remodel or renovation (check all that apply):
 - Exterior remodel
 - Interior remodel
 - MEP remodel
 - Roof replacement
 - Other:
8. Select Revit models needed for your project.
 - Architectural Model**
Provide brief overview of items to be included in model:
 - Structural Model**
Provide brief overview of items to be included in model:
 - Mechanical Model**
Provide brief overview of items to be included in model:
 - Electrical Model**
Provide brief overview of items to be included in model:
 - Plumbing Model**
Provide brief overview of items to be included in model:

Provide all relevant source data files for our review. These include dimensioned floor plans, elevations, sections (PDF, TIF, DWG, Revit formats). If existing CAD or Revit background files already exist, please provide.

Architectural - Revit Questions

Describe the specific architectural objects to be included in the model. The model will be developed using default Revit families.

The architectural model should include the following (select all that apply):

- Interior
- Interior Finishes (additional fee)
- Exterior
- Exterior Finishes (approx 7% additional fee)
- Ceiling (approx 6-11% additional fee)
- Furniture, fixed equipment, workstations (additional fee)
- Site (approx 6 -12% additional fee)
- 2D Sheet set (additional fee)
- Other:

You must provide:

- a. Dimensioned architectural floor plans, elevations, sections, roof plan based on the information needed in your architectural model.
- b. For custom models, please provide appropriate finish schedules.

Deliverables (unless specified otherwise):

The building exterior and/or interior 3D model will include your selected information using default Revit families. The interior and exterior finishes will not be shown unless specified above.

Structural - Revit Questions

Describe the specific structural objects to be included in the model. The Revit model will be developed using default Revit families. This model will not show detailed structural connections. This model is primarily developed for conflict resolutions only.

You must provide:

- a. Framing plan, framing schedule, wall schedule, footing schedule, beam schedule, column schedule, structural wall sections, structural details.
- b. Dimensioned architectural floor plans OR an existing Revit Architectural model to be used as a background reference.

Deliverables (unless specified otherwise):

Revit default families will be used to construct the beams, columns, structural walls. Model will not include connection details or reinforcing steel.

Mechanical - Revit Questions

Describe the specific mechanical objects to be included in the model. The default Revit families will be used for the model development.

- Click here for custom families (additional fee)
- Click here for parameters (additional fee)

You must provide:

- a. Mechanical, ductwork, and/or equipment sheets showing x, y, z dimensions for the duct locations. If the z-dimension (height) is not shown on the original drawings, default Revit families and professional judgment will be used.
- b. Mechanical symbol legends, equipment schedules.
- c. Dimensioned architectural floor plans OR an existing Revit Architectural model to be used as a background reference.
- d. ******If reference sheets or existing Revit background models are provided, explain which information should be used in the new model. For example, markup the specific information to be used on each reference sheet. Information not included in your explanation below or markup will not be used.

Deliverables (unless specified otherwise):

Revit default families will be used to construct the ducts, connections and equipment. If Revit defaults are not available, place-holders will be inserted for unavailable equipment. Air handlers will be shown with place holders only. Model will not include the connection details.

Electrical - Revit Questions

Describe the specific electrical objects to be included in the model. The default Revit families will be used for the model development.

- Click here for custom families (additional fee)
- Click here for parameters (additional fee)

You must provide:

- a. Dimensioned architectural floor plan, electrical distribution floor plan, riser diagrams, electrical closet layout, electrical vault layout, electrical power plan, electrical lighting plan.
- b. Electrical symbol legend and electrical equipment schedule.
- c. Dimensioned architectural floor plans OR an existing Revit Architectural model to be used as a background reference.

Deliverables (unless specified otherwise):

Revit default families will be used to construct the electrical connections and equipment. If Revit defaults are not available, place-holders will be inserted for unavailable equipment. Conduit less than 3" will not be shown in the model.

Plumbing - Revit Questions

Describe the specific plumbing objects to be included in the model. The default Revit families will be used for the model development.

- Click here for custom families (additional fee)
- Click here for parameters (additional fee)

You must provide:

- a. Plans for domestic hot/cold water, waste water, drains, gas, special gases, fire protection, ceiling plan, dimensioned architectural floor plans, architectural building sections.
- b. Plumbing symbol legend and plumbing schedule.
- c. Dimensioned architectural floor plans OR an existing Revit Architectural model to be used as a background reference.

Deliverables (unless specified otherwise):

Revit default families will be used to construct plumbing connections and equipment. If Revit defaults are not available, place-holders will be inserted for unavailable equipment.

The model will include the following:

- a. Sanitary waste water lines 3" or larger to all lines
- b. 1/8" per foot drain slope for all drains
- c. Sprinkler lines 3" or larger
 - Click here to include lines less than 3" to sprinkler heads (additional fee)
- d. Domestic lines 3" or larger
 - Click here to include domestic lines less than 3" to fixtures (additional fee)
- e. Heating and cooling source to all units
- f. Air and gas piping
- g. Drain lines less than 3"