



SCAN TO BIM CHECKLIST

To avoid any errors or confusion please complete this form using a digital PDF reader and return to your Multivista contact

PROJECT NAME:

TOTAL BUILDING SQFT:

TOTAL SITE SQFT:

PROJECT ADDRESS:

COMPULSORY (Select only one of the compulsory options):

ARCHITECTURAL BASE MODEL (Includes interior, exterior and roof modelling)

Included Elements: Walls, Curtain Wall, Floors, Ceilings, Roof, Doors, Windows, Skylights, Horizontal Openings, Stairs, Ramps, Escalators, Elevators, Hand & Guard Rails and Common Plumbing Fixtures*

OR

ARCHITECTURAL EXTERIOR MODEL ONLY (Includes exterior façade and roof modelling only)

Included Elements: Walls, Floors, Windows, Doors, Roof, Curtain Walls, Skylights, Horizontal Openings, Stairs, Ramps, Hand and Guard Rails

ARCHITECTURAL ADD-ON

Included Elements: Built-in cabinetry, Fireplaces, Basic Decorative Millwork, Window and Door Surrounds, Exterior Façade Details (Sweeps, Returns)

MECHANICAL ADD-ON

Included Elements:** Ductwork, Supply & Return Vents, Speciality Mechanical Equipment, Supplementary Heating, Louvers

ELECTRICAL ADD-ON

Included Elements:** Light Fixtures, Switch Locations, Electrical Boxes, Conduit, Specialty Electrical Equipment

SPECIALTY PLUMBING ADD-ON

Included Elements:** Piping (Outer Dimensions), Fire Suppression Systems (Sprinklers), Exterior Drainage and Stormwater, Shower Fixtures, Gutter and Scuppers

SITE ADD-ON (If selected please complete TOTAL SITE SQFT at top of page)

Included Elements: Topographic Surface (with Material Representations), Fences, Gates, Stairs, Ramps, Representational Foliage, Accessory Structures



MODELLING METHODOLOGY

By default, model will be generated per TRUE As-Built conditions within the stated accuracy tolerance of LOA20. Note that model elements will likely not be perfectly parallel/perpendicular, but rather will reflect actual field conditions. Should you wish otherwise, please select the option for “As-Design conditions” where the environment will be modeled as “square/designed” or discuss directly with your Multivista contact. Modelling to True As-Built conditions and As-Design conditions can not be changed once project has started.

Model to TRUE As-Built Conditions

Model to As-Design Conditions

2D CAD PLANS EXTRACTED FROM REVIT MODEL

(If annotations are required, please complete a Scan to Plan checklist or speak to a Multivista salesperson)

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| <p>FLOOR PLANS</p> <p>Included Elements: Floors, Walls, Doors, Windows, Stairs, Common Plumbing Fixtures</p> | <p>QUANTITY (Number of Floor Plans required)</p> <p>Included Annotations: Room Areas, Room Dimensions, Overall Building Dimensions Optional Annotations (specify in notes)</p> |
| <p>ROOF PLANS</p> <p>Included Elements: Roof Structure, Walls, Doors, Windows, Stairs</p> | <p>QUANTITY (Number of Roof Plans required)</p> <p>Included Annotations: Room Areas, Room Dimensions, Overall Building Dimensions Optional Annotations (specify in notes)</p> |
| <p>CEILING PLANS</p> <p>Included Elements: Walls, Exposed Structure, Openings</p> | <p>QUANTITY (Number of Ceiling Plans required)</p> <p>Included Annotations: None Optional Annotations (specify in notes)</p> |
| <p>EXTERIOR ELEVATIONS</p> <p>Included Elements: Walls, Doors, Windows, Exterior Stairs & Ramps, Roofing, Landings & Decks and Grade Line</p> | <p>QUANTITY (Number of Exterior Elevations required)</p> <p>Included Annotations: None Optional Annotations (specify in notes)</p> |
| <p>BUILDING SECTIONS</p> <p>Included Elements: Floors, Walls, Doors, Windows, Stairs, Common Plumbing Fixtures*, Ramps, Ceilings, Roofs</p> | <p>QUANTITY (Number of Building Sections required)</p> <p>Included Annotations: None Optional Annotations (specify in notes)</p> |
| <p>SITE LAYOUT</p> <p>Included Elements: Walls (at Foundation), Landscaping Material Changes (Outline), Trees & Large Foliage</p> | <p>QUANTITY (Number of Site Layouts required)</p> <p>Included Annotations: None</p> |

PROJECT UNITS (Compulsory)

IMPERIAL (Feet and Inches)

METRIC (Metres and Millimetres)



REVIT PROJECT COORDINATE SYSTEM (Must be specified before scanning has started)

Not Required/Arbitrary Coordinates

National/Large Coordinates

Project Specific Coordinates

It is critical to specify all requirements relating to the coordination of point cloud and model within Autodesk Revit prior to the start of modelling. Please provide clear instructions/guidelines on Project Base Point, Survey Base Point and True/Project North orientation along with this checklist.

REVIT DELIVERABLES & TEMPLATE (Compulsory)

RVT

Revit version must be specified before start of project

2022

2023

2024 (Default)

2025

IFC

3D DWG^

Multivista Revit Template (Default)

Client Provided Template

2D CAD PLAN DELIVERABLES (Only complete if CAD Plans have been requested)

DWG

DXF

(PDF files included with all 2D CAD deliverables)

NOTES:

PLEASE NOTE

- Each additional option and add-on will increase the overall price of the project. To discuss your project requirements in more detail, please speak to one of our Multivista sales team.
- *Common Plumbing Fixtures include toilets, sinks, shower trays and bathtubs only
- **MEP components smaller than 2" or 50mm will not be modelled
- Projects will not start until all mandatory sections are completed
- Revit Coordinate Systems, Base Points and Templates cannot be changed once project has started scanning
- For more details, please refer to Scan to Services Product Matrix and Scan to Services Product Definition
- Any additional requirements not listed in our standard deliverables will be subject to additional charges and increased timeline.
- It is the responsibility of the client to notify Multivista of any default or concern with the deliverables as soon as possible, but no later than 30 days after client has received the deliverables by Multivista. All claims or deficiencies will be deemed waived by client if not made within 30 days of receiving the deliverables by Multivista and will effectively be accepted by client.
- ^3D DWG (ACIS Solids) is widely accepted for use with SketchUp, Rhino3D, ArchiCAD and other similar software.