


# BIM Checklist



Selecting the right BIM application is a complex task. This checklist provides you with a comparison tool which will help you to objectively analyze and compare vendors' products.

<b>BIM Checklist</b>		
<b>General Requirements</b>		
Integrated Solution (Covering Modeling, Estimating and Scheduling)		
BIM Services:		
<ul style="list-style-type: none"> <li>• Implementation and Deployment Services</li> </ul>		
<ul style="list-style-type: none"> <li>• Hands-on Training</li> </ul>		
<ul style="list-style-type: none"> <li>• On-site Assistance</li> </ul>		
<ul style="list-style-type: none"> <li>• Process Change Consulting</li> </ul>		
<ul style="list-style-type: none"> <li>• Project Management</li> </ul>		
Interoperability		
<b>Program (Conceptual Phase)</b>		
Zone Based Take-off		
Cost Variance		
Fast Model Representation		
Documentation for All Phases		
High Quality Renderings		
Interactive Visualization Tools		
Conceptual Estimating Tools		
<b>Constructability</b>		
Step by Step 2D Drawing Check		
Step by Step 3D Model Creation		
Constructability Report		
Complete Review of 2D Drawings and Schedules		
Seismic Bracing Design and Coordination(OSPD Pre Approved)		
<b>Coordination</b>		
Documented Guidelines and Protocols for 3D Coordination		
Modeling Procedure for Clash Detection		

3D Modeling Capability for All Major Systems:	
• Architectural	
• Structural	
• Site	
• MEP	
• Fire Protection	
Visual Tracking	
Constructability Objects/Identifiers	
Clash Detection	
Coordinated of Hanger Placement and Documentation	
<b>Change Management</b>	
Electronic Comparison of Drawing Packages	
Automatic Detection and Reporting of Changes	
Virtual Light Table	
Changes Management and Report	
<b>Quantities</b>	
Model-based Quantity Take-off	
CSI Master Format Support	
Unifomat Master Format Support	
Specialized BIM Objects Adequate for Construction Quantities	
Consumption Based Quantities	
Location Based Quantities	
<b>Estimating</b>	
Knowledge Database	
Model-based Estimating	
Support for Conditional Methods	
Support for Cost Variance	
Bid Packages	

Model Checker (tracking unassigned elements)	
Cost Control tools	
<b>Scheduling</b>	
Location Based Scheduling Capabilities	
Automated Creation of Baseline Schedule	
Flowline Representation (Line of Balance)	
Risk Analysis (e.g. Monte Carlo Analysis)	
Production Control (Actual vs. Forecast)	
Automated Forecasting	
Schedule Analysis and Optimization	
Automated 4D Simulation	
Manuel 4D Simulation	
Design Pull Schedule	
<b>Layout</b>	
Total Station Support	
Total Station MEP and Seismic Bracing Build to Design Locators	
Automated Site Grid Layout	
Build to Design Support	
Design to Build Support	
<b>Sub Contractors</b>	
Build Construction 3D Model with Subcontractor Input	
MEP 3D DWG Edge lines (Duct work)	
MEP 3D DWG Center lines (Pipe work)	
Advance Coordination Management Service	
<b>Viewer</b>	
Free Viewer Supporting 3D, 4D and 5D	
Sectioning Tool	



Animated 4D Simulation Support	
Quantity and Cost Support	
Generate AVI Movies	
Generates Screenshots	
Earned Value Analysis	

For more information on Vico Software, Virtual Construction or 5D BIM, please visit the [Vico Software website](#) or contact [Holly Allison](#) directly at +1-978-882-0170 x118.

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