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 approved **ND**

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# TRAINING SYLLABUS

## PRACTICAL MODELLING WITH REVIT STRUCTURES

no. of delegates	Up to 6 maximum	
description	This course covers the workflow principles and skills required for a user to produce models and documentation using Revit as part of a project team.	
prerequisites	The attendees should have an understanding of 3D space & BIM and a basic grasp of structural concepts.	
objectives	The user will gain practical hands on knowledge of Revit though:	
	1.0 GETTING STARTED IN 3D	5.0 CREATING DRAWINGS
	<ul style="list-style-type: none"> <li>• Introduction to 3D</li> <li>• View navigation</li> </ul>	<ul style="list-style-type: none"> <li>• Creating sheets</li> <li>• Editing sheets</li> </ul>
	2.0 THE INTERFACE	6.0 SCHEDULES
	<ul style="list-style-type: none"> <li>• The ribbon bar</li> <li>• Properties</li> <li>• Keyboard and mouse</li> </ul>	<ul style="list-style-type: none"> <li>• Adding annotation</li> <li>• Printing</li> <li>• Creating and editing</li> <li>• Parameters and calculations</li> </ul>
	3.0 SETTING UP THE PROJECT	7.0 DEVELOPING PROJECT CONTENT
	<ul style="list-style-type: none"> <li>• Coordinate space</li> <li>• Grids</li> <li>• Levels and views</li> <li>• Worksets</li> </ul>	<ul style="list-style-type: none"> <li>• In-place Families</li> <li>• Walls and slabs</li> <li>• 2D and 3D Families</li> <li>• Parameters</li> </ul>
	4.0 3D MODELLING	8.0 EXCHANGING DATA
	<ul style="list-style-type: none"> <li>• Placing walls, columns, slabs, beams, trusses, foundations and bracings</li> <li>• Modifying elements</li> </ul>	<ul style="list-style-type: none"> <li>• IFC &amp; DWG</li> <li>• Using Revit models for analysis</li> </ul>