



archoncad  
making VectorWorks easy!

## Vector-workout Introduction to BIM 2010

Introduction to BIM (Building Information Modeling) for Architects

BIM stands for Building Information Modeling and it means as well as creating 2D drawings for plans, sections, and elevations, you can draw walls, floors, roofs and other 3D forms in Vectorworks and use these to create live plans, sections and elevations, as well as extracting non-graphic information from the model like a finish schedule, door and window schedule, and other information like wall areas and glass areas.

BIM is not just a new catch phrase, it is also a more efficient way of creating drawings in Vectorworks.

For more information, click on my picture, and I will introduce you to this manual and BIM.



## BIM in Vectorworks 2010

## Contents

Vector-workout Introduction to BIM 2010 .....	1
Document Set up .....	5
Creating A New File .....	5
Setting Up The Page Size .....	6
Setting The Smart Cursor Settings For Faster Drawing .....	7
Setting Up Units For Dimensions and Dual Dimensions .....	8
Creating Custom Dimension Standards .....	9
Setting Up Layers for the Building .....	10
Vectorworks User Folder .....	11
Save As Template .....	12
Layer and Class Standard .....	13
Drawing Walls .....	14
Creating Existing Wall Style .....	14
Drawing Existing Walls .....	15
Dimension Exterior Walls .....	16
Interactively Dimension The Walls .....	17
Creating Foundation Wall Style .....	18
Drawing Foundation Walls .....	19
Creating Demolished Wall Style .....	20
Drawing Demolished Walls .....	21
Creating Proposed Wall Style .....	22
Drawing Proposed Walls .....	23
Creating The Floor .....	24
Exporting Wall Styles To The Wall Style Library .....	25
Walls With Different Heights .....	26

Inserting Doors and Windows .....	27
Door Settings .....	27
Inserting Doors in 3D - Standard Insertion.....	28
Window Settings .....	29
Inserting Windows in 3D - Standard Insertion.....	30
Saving a Window As a Symbol.....	31
Editing a Symbol .....	32
Inserting Doors and Windows Accurately .....	33
Adding Additional information to Doors .....	34
Adding Additional information to Windows .....	35
Creating Roofs .....	36
Creating A Roof From Walls .....	36
Making a Gable Roof.....	37
Making a Mono-Pitch Roof .....	38
Stack Layers View .....	39
Making A Cut-out In A Roof.....	40
Cutting Out Part Of The Roof.....	41
Fit Walls to Roof .....	42
Creating Plan Drawings.....	43
Creating Sheet Layers.....	43
Creating Foundation Plan .....	44
Creating A Framing Plan .....	45
Dimensioning Exterior Walls .....	46
Creating Sheet Layers for Drawings.....	47
Creating Roof Drawing .....	48

Change Layer and Classes on a Viewport.....	49
Annotating Drawings .....	50
Adding A Title Block.....	50
Editing the Drawing Border.....	51
Editing a Viewport Crop.....	52
Adding Drawing Labels .....	53
Adding Dimensions and Notes to the Plan.....	54
Sections and Elevations.....	55
Creating an Elevation Viewport.....	55
Annotating the Elevation Viewport.....	56
Creating a Section Viewport.....	57
Drawing Details with a 3D Model.....	58
Drawing Details in 2D.....	59
Room Finish Schedule .....	60
Creating Spaces.....	60
Assigning Finishes to the Spaces.....	61
Creating the Room Finish Report .....	62
Door Schedule. ....	63
Window Schedule. ....	64
Exporting Drawings to PDF.....	65
Thank You, Well Done!.....	66