

The Visio Reference Guide for System Integrators

By Dave Tkachuk

SymbolLogic

Design and Engineering Solutions for Integrators

www.symbollogic.com

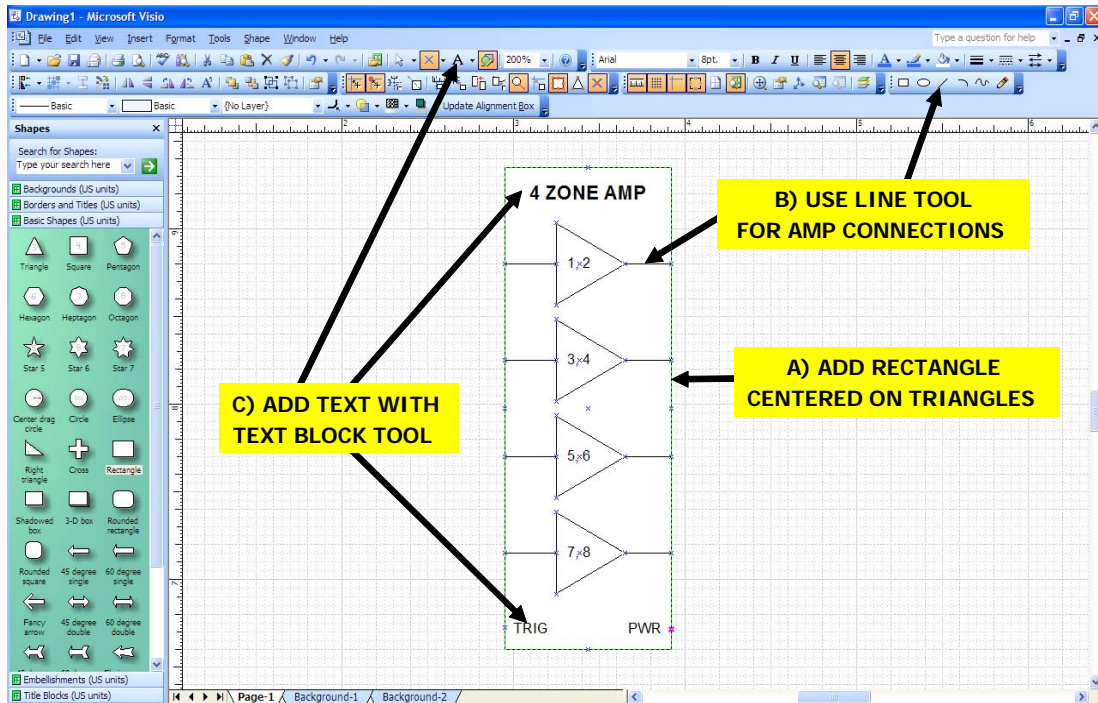
Table of Contents

Part One The Electronic Design Process	5
The Client's Needs Analysis.....	6
The Floor Plan.....	8
The Block Diagram.....	10
The Schematic.....	14
The Rack Diagram	17
The Pre-Wire List	18
Part Two Drawing Fundamentals	19
Have Your Drawings Make Sense	20
Signal Flow	22
Drawing Sizes and Orientations.....	23
Title and Revision Blocks.....	24
Areas	25
Drawing Symbols.....	26
Symbols Library.....	28
Connections.....	29
Block Diagram Layers	30
Schematic Drawing Layers.....	31
Part Three Using Visio to Create Your Drawings	32
Visio Basics	33
Symbol Basics.....	51
Creating Your Own Symbols.....	56
Custom Properties for Symbols	66
Custom Property Sets.....	68
Creating Your Own Stencil.....	71
Part Four Laying Out Your Design and Generating Reports.....	78
Floor Plan.....	79
Connector Styles	80
Block Diagram	83
Block Diagram Modules	85
Block Diagram Layers	88
Schematic Layers	89
Rack Layout.....	94
Generating Reports	95
Part Five Appendix	101

Part Three: Using Visio to Create Your Drawings

Creating Your Own Symbols Cont.

Creating a 4 Zone Amplifier Add Text and Connections



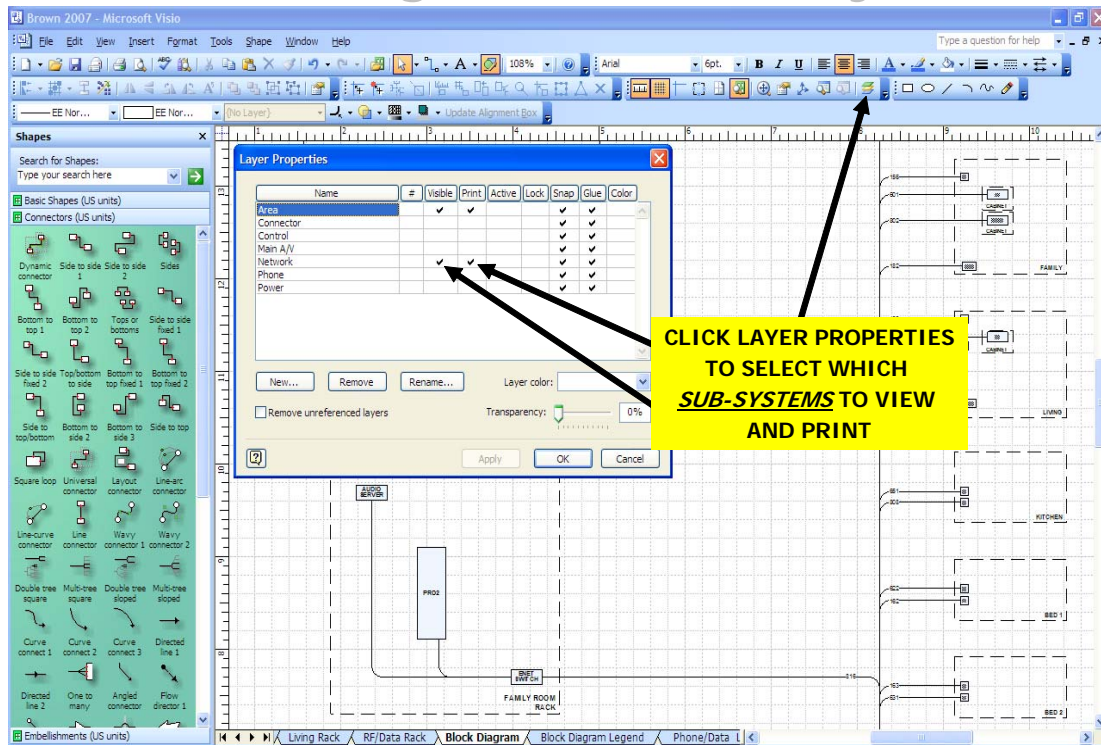
Constraining Lines

To hold lines straight, drag line or connector while holding down the Shift key.

Part Four: Laying Out Your Design and Generating Reports

Block Diagram Layers

Laying Out Your Design Block Diagram (Select Layers)



Viewing and Printing Layers

Click the layer properties button on the View toolbar and select which layers to view or print.

To add a new layer, click new to open the new layer dialog box.

Note: If you select active, all shapes you subsequently add to the schematic are assigned to the new layer automatically until you designate a different active layer.

Note: Layers are the property of a drawing page; the layers you create on one page don't appear on any other pages.