

noises 182
 non-polygons 63
 none class
 deleting class 85
 Normal Scale command 44
 north arrow 66–68
 Nudge command 58, 82, 123

O

object edit mode 20
 menu 102
 Object Info palette
 changing classes 178
 extrude 76
 gable end wall 187
 replace symbols 191
 skylight miter 202
 oblique projections
 linked layer dimension 170
 office standards 209
 offset duplications 42
 Open command 21
 orientation 48
 origin point 212–213
 definition 19
 original layers 176
 Orthogonal projection 151, 166
 out of bounds 19
 out-of-order multiples 20
 Overlays. *See Workspaces*

P

page
 definition 19
 page breaks 211
 Page Setup 49, 210
 Pan tool
 screen redraw 165, 205
 partition plan 216, 226
 Paste command 42
 Paste In Place command 197
 patio 171–173
 pattern color 143–144

pen
 custom weight 95
 pattern in 3D object 208
 perspective 151
 linked layer dimension 170
 location 151
 printable area 153
 printable boundary 153
 Set 3D View command 153
 station point 153
 view point 153
 pick cursor 67
 pick up symbol 150
 pick up symbol and make active 159
 Pick Up/Put Down Filter dialog
 box 182
 picture frame 18
 plug-ins 63
 definition 19
 Shelving Unit 83–85
 symbols 112–113
 walls 87
 polar 39
 polygons 63, 69
 portrait 48, 211
 Preferences 23
 Preferred Line Thicknesses
 dialog box 27
 press 19
 press/drag 19
 preview window
 Resources palette 146
 Print Setup command. *See Page Setup command*
 printable area
 definition 19
 perspective 153
 printable boundary
 perspective 153
 Walkthrough tool 153
 printer driver 48
 printing
 black and white only 220
 hi-resolution 48
 Hide Guides command 245

 margins 48
 resolution 210
 project 2D objects
 driveway 207
 property line 204
 Projection 151
 property lines 204–205
 project 2D objects 204
 pull-down menus 21
 Purge Unused Objects 252

Q

QD3D 162
 Quarter Arc tool 89, 171, 198
 QuickDraw 3D Interactive 196
 Quit command 45

R

Rectangle tool 42–
 43, 50, 68, 107, 117
 rectangular array 79
 reference grid 64, 212
 Reference Marker 167
 reference point
 symbols 148
 reflected ceiling plan 226
 release 19
 rendering
 interior walls 141
 linked layer 139
 skylight 201
 Rendering commands
 Dashed Hidden Line 196
 Final Hidden Line 196
 QD3D 162
 QuickDraw 3D Interactive 196
 Shaded No Lines 96, 144
 Shaded Solid 140, 144, 195
 Solid 77, 144
 Wireframe 77, 162
 reshape 3D walls 181
 residential 209
 resolution 42

- Resources command 98
 - Resources palette 145–146
 - active 148, 193
 - arrow 113
 - buttons 145
 - delete symbol 191
 - navigate 98
 - navigation 110, 188
 - symbol scripts 235
 - symbol selection 102
 - worksheets 250
 - Right Isometric
 - symbol creation 108
 - right-click 20
 - symbol edit 102
 - rise over run 130
 - Create Roof dialog box 185
 - roof face
 - fill none 183
 - hipped and gable 126
 - holes 202
 - Mirror tool 132
 - miter 181
 - Set Working Plane tool 203
 - Roof Face command 126, 130
 - roof object
 - Edit Group 197
 - holes 197
 - miter 181
 - round hole 197
 - skylights 197–201
 - roof plan 226
 - Rotate command 69, 98
 - Rotate Left 90° command 59, 93
 - Rotate Object dialog box 69, 98
 - Round Rect Pref dialog box 78
 - round skylight 202
 - Round Wall tool 172
 - Rounded Rectangle tool 78
- S**
- Save As command 30, 65
 - Save As Template command 62, 251
 - Save command 50, 65
 - Windows 21
 - Save Sheet 224
 - scale
 - multiple views 173
 - Reference Marker dialog box 167
 - viewing different 174
 - Scale Objects 59, 239
 - scale text 118
 - schedules 247–251
 - window 247
 - screen redraw
 - Pan tool 165
 - scripts
 - attributes 230
 - blue line 234
 - Constraints palette 231
 - dimension 232–233
 - double line 235
 - Double-Line Polygon tool 235
 - moving 238
 - naming palettes 238
 - red rectangle 234
 - Save Sheet command 223
 - text 233–234, 242
 - using attribute 231
 - scroll bar 44
 - sections 174
 - 3D polygons 157
 - linked layer 156
 - select 19
 - linked layers 165
 - out-of-order multiples 20
 - Shift-select 67
 - Select All command 55
 - selected object(s) dimension 168
 - Send To Back command 72, 90
 - walls 194
 - separation
 - wall 116
 - Set 3D View 153
 - Set Arrow Attributes dialog box 27
 - Set Attribute Defaults 216
 - Arrow Heads 27
 - LineThickness 27
 - Set Grid 32, 64, 212
 - Set Origin 212
 - Set Print Area 210
 - Set Size command 56
 - Set Text Size dialog box 56
 - set thickness 95
 - Set Thickness dialog box 95
 - Set Units dialog box 25, 30, 211
 - Set Wall Style command 235
 - Set Working Plane tool
 - ground plane 203
 - roof face 203
 - Shaded No Lines 96
 - color 144
 - Shaded Solid 140
 - chimney 195
 - color 144
 - shank 92–95
 - sheet names 214
 - sheets shortcut menu 229
 - Shelving Unit tool 83–85
 - Shift key 86
 - constrain 43
 - Wall tool 117
 - shift-select 20
 - Show Guides commands 245
 - Show Others command 61
 - 2D layers 133
 - Show/Snap/Modify Others
 - Class Options 185
 - floor 121
 - Single Line tool 33, 67
 - driveway 206
 - Single-Line Polygon tool 127
 - site plan 225
 - Size command 28
 - skylights
 - glass 201
 - roof face 202–204
 - roof object 197–201
 - square miter 201
 - vertical miter 199
 - Smart Points dialog box 29
 - smartcursor
 - drawing 31
 - walls 148, 149