

## Form•Z Lesson One: Drafting Mode – *Crawl before you run*

March 29, 2007

### The Drafting Mode – Appendix

Interface Overview

Tool Palettes

- Show customize tools for white icons

- Pull out Palettes (Zoom)

- Close unused palettes for space

Setting Your Preferences

Page Setup & Printing

Saving Your File

- Assignment Naming Convention (*your initials\_assignment name.fmz*, i.e. **CTW\_column.fmz**)

Window Tools

- Grid Snap & Lock, Directional Snap & Object Snap

- Window Controls - Zooming and Scrolling

Cut, Copy, Paste & Undo

Basic 2D Elements

- Line & Enclosure

- Closed Shapes

  - Rectangles (orthogonal & rotated), Polygons, Circles & Ellipses

- Open Shapes

  - Vector Lines, Spline Curves, Arcs & Streamed Lines (combination)

- Text

- Hatch Patterns

Modifiers

- Topological Levels

- Booleans for 2D

  - Union, Intersection, Difference & Split

- Line Editing 1 & 2

  - Break, Trim, Join, Close & Connect

- Self & Copying Modifiers

- Geometric Transformations

  - Move, Rotate, Scale & Mirror

Object Attributes

- Object Color – **Because RED it is the color for selecting objects, NEVER DRAW IN RED**

- Line Weight - line thickness in descending weight: section(4), major/primary(2), secondary(1), grid/layout/rendition(0)

- Line Styles - Solid lines used for profiles, elevations & cuts; long dash lines for elements above & short dash lines for elements below.

Query

**LAB EXERCISE & Assignment Two** (column): Draft a Doric Column in Form•Z Drafting Mode. Scan the Doric Column, *on reverse*, at 150dpi. Then using Form•Z and the tools we discussed in class import and trace the column in draft mode. Be sure to use Object Snaps and the appropriate line weights. The drawing must be Labeled and Titled. Use the naming convention above when submitting your electronic file.

Submit your Form•Z file on CD-ROM or Jump Drive at the start of next weeks' class. (9am). Also submit a B&W printout (8.5 x 11) of your file at the beginning of next class. Submissions received after are LATE.

*Grading Criteria: Named Correctly & On Time, Assignment Finished, Print Submitted, Good Use of Line Weights, Hatching Complete, Titles Included, Well Constructed With Snaps & Orthogonal.*