



## CADD Office Standards

### Plot Colour and Line thickness

The colours displayed on screen are converted to a line thickness when plotted using *Plot Styles*. Our Office Standard plot styles contain these settings:

| CADD Lab Plot Colours  |               | Plotted Line Thickness |              |             |
|------------------------|---------------|------------------------|--------------|-------------|
| Use                    | Colour        | A size                 | B size       | D size      |
| Hatching, Reference    | Red           | 0.18                   | 0.25         | 0.25        |
| Alternate text         | Yellow        | 0.25                   | 0.35         | 0.5         |
| Dims, Text             | Green<br>Cyan | 0.18<br>0.25           | 0.25<br>0.35 | 0.35<br>0.5 |
| Hidden, Centerlines    | Blue          | 0.18                   | 0.25         | 0.35        |
| Borders, section lines | Magenta       | 0.5                    | 0.7          | 1.0         |
| Object outline         | White         | 0.35                   | 0.5          | 0.7         |
| Reference              | 8             | 0.18                   | 0.18         | 0.25        |
| Reference, lighter     | 9             | 0.18                   | 0.18         | 0.25        |
| As needed              | 10 – 255      | Use Object             | Use Object   | Use object  |

Some Clients, or courses, may assign colours and/or line thickness that is different. You will need to create custom Plot Styles to accommodate these settings.

Colour 9 is similar to colour 8 but has 60% screening – reducing the amount of ink used, which results in a very light line.

## ***Plot colours and Layer settings***

***For CADD 1100 (Paul/s class)***

Create the following **Layers**:

| <b><u>Layer name</u></b> | <b><u>Layer content</u></b> | <b><u>Color</u></b> | <b><u>Linetype</u></b> |
|--------------------------|-----------------------------|---------------------|------------------------|
| BS1A                     | Title Block                 | Varies              | Continuous             |
| BS1B                     | Vpborders                   | Yellow              | Continuous             |
| BS4A                     | Object Lines                | White               | Continuous             |
| BS4B                     | Hatch                       | Blue                | Continuous             |
| BS4C                     | Unassigned                  | White               | Continuous             |
| BS4D                     | Hidden                      | Blue                | Hidden                 |
| BS4E                     | Center                      | Red                 | Center                 |
| BS4F                     | Leaders                     | Blue                | Continuous             |
| BS5A                     | Annotation                  | Cyan                | Continuous             |
| BS7A                     | Dimensions                  | Green               | Continuous             |
| BS8A                     | Miscellaneous               | Varies              | Varies                 |

(Layer content indicates the use or function of the layer – this is not part of the layer name, but can be added to the *Description* in the AutoCAD Layer manager.)

## ***Plot colours and Layer settings***

***For CADD 1110 (Steve's course)***

| <b>Layer Name</b> | <b>Linetype<br/>(Load<br/>linetypes)</b> | <b>Colour</b> | <b>Description</b>  | <b>Line<br/>Thickness on<br/>Plotter<br/>(reference<br/>only)</b> |
|-------------------|--|---------------|---|---|
| <b>AWALLS</b>     | <b>Continuous</b>                        | <b>Yellow</b> | <b>Walls</b>  | <b>0.5</b>  |
| <b>ADIMS</b>      | <b>Continuous</b>                        | <b>Red</b>    | <b>Dimensions</b>   | <b>.25</b>  |
| <b>ATEXT</b>      | <b>Continuous</b>                        | <b>Cyan</b>   | <b>Text – for<br/>floor plan</b>                                | <b>.5</b>   |
| <b>AFIXTURES</b>  | <b>Continuous</b>                        | <b>Red</b>    | <b>Millwork,<br/>appliances<br/>and<br/>installed<br/>items</b> | <b>.25</b>  |
| <b>ADOORS</b>     | <b>Continuous</b>                        | <b>Cyan</b>   | <b>Doors</b>  | <b>.5</b>   |
| <b>AWINDOWS</b>   | <b>Continuous</b>                        | <b>Cyan</b>   | <b>Windows</b>  | <b>.5</b>   |
|                   |  |               |   |   |
| Object            | Continuous                               | White         | Object  | .7  |
| Center            | Center                                   | Red           | Centerlines   | .25   |
| Hidden            | Hidden                                   | Blue          | Hidden lines  | .35   |
| Phantom           | Phantom2                                 | Blue          |   | .35   |
| Dimension         | Continuous                               | Green         | Dim – lines   | .35   |
| Section           | Phantom2                                 | Magenta       | Section cut   | 1.0   |
| Hatch             | Continuous                               | Blue          | Cross hatch   | .35   |
| Text              | Continuous                               | Cyan          | Text & Dim<br>text  | .5  |
| C1                | Continuous                               | Red           | Construction<br>& Temp use                                      | .25   |
| C2                | Continuous                               | Yellow        |   | .5  |
| C3                | Continuous                               | Green         |   | .35   |
| C4                | Continuous                               | Cyan          |   | .5  |
| C5                | Continuous                               | Blue          |   | .35   |
| C6                | Continuous                               | Magenta       |   | 1.0   |
| C7                | Continuous                               | White         |   | .7  |
| Border            | Continuous                               | Magenta       | Sheet<br>borders  | 1.0   |
| Outline           | Continuous                               | Red           |   | .25   |
| Viewports         | Continuous                               | Red (no plot) | MView   | N/A   |
|                   |  |               |   |   |

## ***Plot colours and Layer settings***

***For CADD 1150 (John's course)***

| <b>Layer Name</b> | <b>Linetype<br/>(Load<br/>linetypes)</b> | <b>Colour</b> | <b>Description</b>         | <b>Line<br/>Thickness on<br/>Plotter<br/>(reference<br/>only)</b> |
|-------------------|--|---------------|----------------------------|---|
| Object            | Continuous                               | White         | Object                     | .7  |
| Center            | Center                                   | Red           | Centerlines                | .25   |
| Hidden            | Hidden                                   | Blue          | Hidden lines               | .35   |
| Phantom           | Phantom2                                 | Blue          |                            | .35   |
| Dimension         | Continuous                               | Green         | Dim – lines                | .35   |
| Section           | Phantom2                                 | Magenta       | Section cut                | 1.0   |
| Hatch             | Continuous                               | Blue          | Cross hatch                | .35   |
| Text              | Continuous                               | Cyan          | Text & Dim<br>text         | .5  |
| C1                | Continuous                               | Red           | Construction<br>& Temp use | .25   |
| C2                | Continuous                               | Yellow        |                            | .5  |
| C3                | Continuous                               | Green         |                            | .35   |
| C4                | Continuous                               | Cyan          |                            | .5  |
| C5                | Continuous                               | Blue          |                            | .35   |
| C6                | Continuous                               | Magenta       |                            | 1.0   |
| C7                | Continuous                               | White         |                            | .7  |
| Border            | Continuous                               | Magenta       | Sheet<br>borders           | 1.0   |
| Outline           | Continuous                               | Red           |                            | .25   |
| Viewports         | Continuous                               | Red (no plot) | MView                      | N/A   |
|                   |  |               |                            |   |

## **Plot colours and Layer settings**

### **For Architectural**

The following layers are an example of the type of information you would get in an office as part of the Office Standards.

You can setup a starting drawing containing these layers

### **Floor Plans**

| <b>Layer Name</b>     | <b>Use</b>                              | <b>Colour</b>         | <b>LineType</b>          |
|-----------------------|---|-----------------------|--------------------------|
| <b><i>FLR-APP</i></b> | <b><i>Appliances &amp; Fixtures</i></b> | <b><i>RED</i></b>     | <b><i>Continuous</i></b> |
| FLR-CAB               | Cabinets & Millwork                     | Red                   | Continuous               |
| FLR-CEN               | Center lines                            | Blue                  | Center                   |
| FLR-DET               | Details                                 | Red                   | Continuous               |
| FLR-DIM               | Dimensions                              | Green                 | Continuous               |
| FLR-D-W               | Doors & Windows                         | Red                   | Continuous               |
| FLR-HAT               | Hatching                                | Red                   | Continuous               |
| FLR-HD1               | Hidden Details 1                        | Blue                  | Hidden                   |
| FLR-HD2               | Hidden Details 2                        | Blue                  | Hidden2                  |
| FLR-REF               | Reference & referenced details          | 8 (Grey )             | Varies                   |
| <b><i>FLR-SEC</i></b> | <b><i>Section lines</i></b>             | <b><i>Magenta</i></b> | <b><i>Phantom-2</i></b>  |
| FLR-TXT               | Annotations                             | Cyan                  | Continuous               |
| FLR-WLL               | Walls                                   | White                 | Continuous               |

### **Framing Schematics**

| <b>Layer Name</b>     | <b>Use</b>                      | <b>Colour</b>         | <b>LineType</b>          |
|-----------------------|---------------------------------|-----------------------|--------------------------|
| <b><i>FRM-BUB</i></b> | <b><i>Built-up Beam</i></b>     | <b><i>Magenta</i></b> | <b><i>Phantom2</i></b>   |
| FRM-CEN               | Center lines                    | Blue                  | Center                   |
| FRM-DET               | Details                         | Red                   | Continuous               |
| FRM-DIM               | Dimensions                      | Green                 | Continuous               |
| FRM-HD1               | Hidden Details 1                | Blue                  | Hidden                   |
| FRM-HD2               | Hidden Details 2                | Blue                  | Hidden2                  |
| <b><i>FRM-MEM</i></b> | <b><i>Joist</i></b>             | <b><i>White</i></b>   | <b><i>Center</i></b>     |
| FRM-TXT               | Annotations                     | Cyan                  | Continuous               |
| FRM-WLL               | Walls                           | White                 | Continuous               |
| <b><i>FRM-REF</i></b> | <b><i>Reference details</i></b> | <b><i>9</i></b>       | <b><i>Continuous</i></b> |
| <b><i>FRM-RFP</i></b> | <b><i>Reference Plans</i></b>   | <b><i>9</i></b>       | <b><i>Continuous</i></b> |

## **Plot colours and Layer settings**

### **Site plans**

| <b>Layer Name</b> | <b>Use</b>           | <b>Colour</b>  | <b>LineType</b>  |
|-------------------|----------------------|----------------|------------------|
| STE-DET           | Details              | Red            | Continuous       |
| STE-DIM           | Dimensions           | Green          | Continuous       |
| STE-EXT           | Existing Roads       | White          | Phantom          |
| STE-HD1           | Hidden detail 1      | Blue           | Hidden           |
| STE-HD2           | Hidden details 2     | Blue           | Hidden2          |
| STE-P_L           | Property Lines       | Magenta        | Phantom          |
| STE-REF           | Reference details    | 8 (grey)       | Varies           |
| STE-ROF           | Roof outlines        | White          | Continuous       |
| <b>STE-SEC</b>    | <b>Section lines</b> | <b>Magenta</b> | <b>Phantom-2</b> |
| STE-TXT           | Annotations          | Cyan           | Continuous       |
| STE-SDW           | Sidewalk, paths etc. | Red            | Continuous       |
| STE-WLL           | Walls                | Blue           | Hidden           |

### **Foundation plan**

| <b>Layer Name</b> | <b>Use</b>           | <b>Colour</b>  | <b>LineType</b>  |
|-------------------|----------------------|----------------|------------------|
| FND-CEN           | Center lines         | Blue           | Center           |
| FND-DET           | Details              | Red            | Continuous       |
| FND-DIM           | Dimensions           | Green          | Continuous       |
| FND-HAT           | Hatch                | Red            | Continuous       |
| FND-HD1           | Hidden details 1     | Blue           | Hidden           |
| FND-HD2           | Hidden details 2     | Blue           | Hidden2          |
| FND-REF           | Reference details    | 8 (grey)       | Varies           |
| <b>FND-SEC</b>    | <b>Section lines</b> | <b>Magenta</b> | <b>Phantom-2</b> |
| FND-TXT           | Annotations          | Cyan           | Continuous       |
| FND-WLL           | Walls                | White          | Continuous       |

### **Schedules (example for glazing)**

| <b>Layer Name</b> | <b>Use</b>  | <b>Colour</b> | <b>LineType</b> |
|-------------------|-------------|---------------|-----------------|
| SCH-DIM           | Dimensions  | Green         | Continuous      |
| SCH-GLA           | Glazing     | 8 (grey)      | Continuous      |
| SCH-MUL           | Mullions    | Red           | Continuous      |
| SCH-TXT           | Annotations | Cyan          | Continuous      |
| SCH-WLL           | Walls       | Red           | Continuous      |

## ***Plot colours and Layer settings***

### ***Exterior elevations***

| <b>Layer Name</b> | <b>Use</b>         | <b>Colour</b> | <b>LineType</b> |
|-------------------|--------------------|---------------|-----------------|
| ELE-DET           | Details            | Red           | Continuous      |
| ELE-DIM           | Dimensions         | Green         | Continuous      |
| ELE-HAT           | Hatch              | Red           | Continuous      |
| ELE-HD1           | Hidden details1    | Blue          | Hidden          |
| ELE-HD2           | Hidden details 2   | Blue          | Hidden2         |
| ELE-MES           | Structural members | Red           | Continuous      |
| ELE-REF           | Reference          | 8 (grey)      | Varies          |
| ELE-TXT           | Annotations        | Cyan          | Continuous      |
| ELE-WLL           | Walls              | White         | Continuous      |

### ***Sections***

| <b>Layer Name</b> | <b>Use</b>          | <b>Colour</b> | <b>LineType</b> |
|-------------------|---------------------|---------------|-----------------|
| SEC-CAB           | Cabinets & millwork | Red           | Continuous      |
| SEC-CEN           | Center lines        | Blue          | Center          |
| SEC-D_W           | Doors & Windows     | Red           | Continuous      |
| SEC-DET           | Details             | Red           | Continuous      |
| SEC-DIM           | Dimensions          | Green         | Continuous      |
| SEC-HAT           | Hatch               | Red           | Continuous      |
| SEC-HD1           | Hidden details 1    | Blue          | Hidden          |
| SEC-HD2           | Hidden details 2    | Blue          | Hidden2         |
| SEC-REF           | Reference details   | 8 (gray)      | Varies          |
| SEC-TXT           | Annotations         | Cyan          | Continuous      |
| SEC-WLL           | Walls               | White         | Continuous      |

## ***Plot colours and Layer settings***

### ***Architectural details***

| <b>Layer Name</b> | <b>Use</b>                     | <b>Colour</b> | <b>LineType</b> |
|-------------------|--------------------------------|---------------|-----------------|
| ARD-CEN           | Center lines                   | Blue          | Center          |
| ARD-DET           | Details                        | Red           | Continuous      |
| ARD-DIM           | Dimensions                     | Green         | Continuous      |
| ARD-HAT           | Hatch                          | Red           | Continuous      |
| ARD-HD1           | Hidden details                 | Blue          | Hidden          |
| ARD-HD2           | Hidden details 2               | Blue          | Hidden2         |
| ARD-MES           | Structural members<br>(steel)  | Red           | Continuous      |
| ARD-MEW           | Structural and wood<br>members | Red           | Continuous      |
| ARD-REF           | Reference                      | 8 (grey)      | Varies          |
| ARD-TXT           | Annotations                    | Cyan          | Continuous      |
| ARD-WLL           | Walls                          | White         | Continuous      |

### ***Common***

| <b>Layer Name</b> | <b>Use</b>     | <b>Colour</b>  | <b>LineType</b> |
|-------------------|----------------|----------------|-----------------|
| T-BLOCK           | Title Block(s) | White          | Continuous      |
| VPORTS            | Viewports      | <b>No Plot</b> | Continuous      |
| 0                 | Block Def'n    | Varies         | Varies          |

### ***Structural details***

| <b>Layer Name</b> | <b>Use</b>         | <b>Colour</b> | <b>LineType</b> |
|-------------------|--------------------|---------------|-----------------|
| STD-CEN           | Center lines       | Blue          | Center          |
| STD-DET           | Details            | Red           | Continuous      |
| STD-DIM           | Dimensions         | Green         | Continuous      |
| STD-HAT           | Hatch              | Red           | Continuous      |
| STD-HD1           | Hidden details 1   | Blue          | Hidden          |
| STD-HD2           | Hidden details 2   | Blue          | Hidden2         |
| STD-MES           | Structural members | Red           | Continuous      |
| STD-REF           | Reference details  | 8 (Gray)      | Varies          |
| STD-TXT           | Annotations        | Cyan          | Continuous      |
| STD-WLL           | Walls              | White         | Continuous      |