



8.4.1 CAD Standard Appendix 1 - Colour-Dependent Plot Style Table (CTB)

There are 3 standard CTB files:

- 1-UofC-Full.ctb: All of the Index Colours are mapped to plot black. Intended for plotting full size sheet. Line weight could be scaled when plotting from layout space.
- 1-UofC-Half.ctb: Line weight are reduced to half of 1-UofC-Full.ctb. Colours 250-255 have the same screening as 1-UofC-Full.ctb. Intended for plotting half size sheet or when plotting from model space.
- 2-UofC-Mono.ctb: All of the Index Colours are set to a width of 0.20mm and mapped to plot black without screening, except for Colours 250-255, with the same screening as 1-UofC-Full.ctb.

Colour plotting will use True Colour or Colour Books. These Colours are passed through the ctb file without being mapped to black. For Colour fills (typically solid hatch patterns), the line weight does not matter. With Colour lines, the ctb file will select an Index Colour value that is the closest match to the true Colour in terms of RGB value to assign the line weight. There is no standard for this; and no simple way to predict the line weight. Projects requiring Colour lines with line weight are recommended to develop a palette for that project.

1-UofC-Full.ctb			
Basic Colours (Excluding Colours 250-255) All Colours are plotted black (100% screening).			
Last Digit of Colour Number	Base Colour	Pen Size (mm)	Screening
1 (eg. 1, 11, 101, 201)	Red	0.15	100%
2	Yellow	0.25	100%
3	Green	0.35	100%
4	Cyan	0.45	100%
5	Blue	0.35	100%
6	Magenta	0.65	100%
7	White	0.75	100%
8	Dark Grey	0.13	100%
9	Light Grey	0.05	100%
0		0.10	100%
Screening Group (Colours 250-255) Colours are plotted grey (with screening).			
Colour Number	Colours	Pen Size (mm)	Screening
250	Dark Grey	0.15	70%
251	Dark Grey	0.15	55%
252	Medium Grey	0.15	40%
253	Medium Grey	0.15	25%
254	Light Grey	0.15	13%
255	Light Grey	0.15	5%



Revision History

Revision Date	Version	Description
July 2018	1.0	Baseline version
August 10, 2023	1.0	Added Revision History table to end of document and reset to Version 1.0.