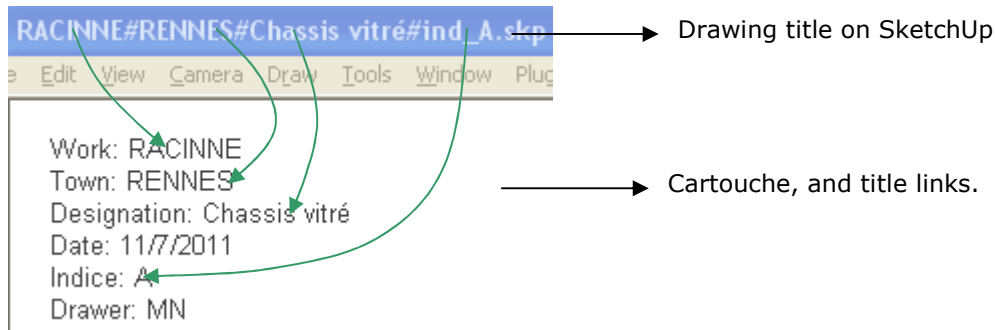


MATT_CARTOUCHE (V1.2)

1. Overview

Matt_Cartouche is a script that inserts a title block (in fact a simple screen text) which is composed of elements included in the drawing title and some variables.

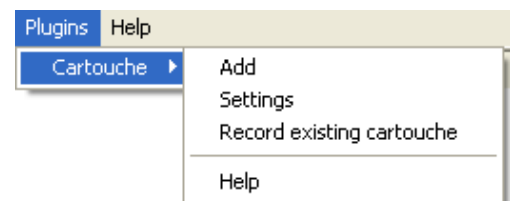


2. Installation

Just unzip Matt_Cartouche.zip in the plugins folder.

This file is composed of :

- The main script ("Matt_Cartouche.rb")
- A folder called "Matt_Cartouche" :
 - Images for the toolbar
 - Some translation files ("cartouche.en" and "cartouche.fr")



After installation, run SU. Matt_Cartouche will create a sub menu in "plugins" menu and a toolbar composed of two icons.



3. To use Matt_Cartouche

Before using this script you must configure your drawing title and cartouche settings.


a) Drawing title

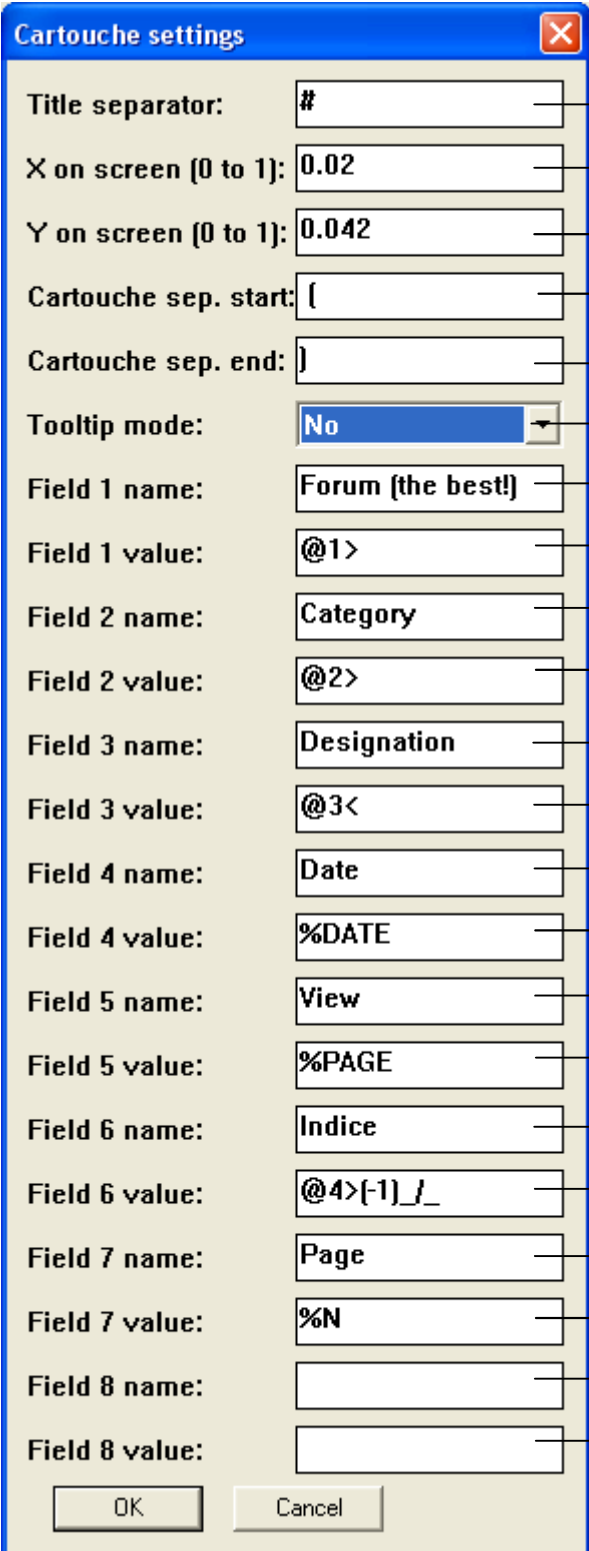
To find informations in the title, Cartouche will need a separator. You can use separator you want, but it must be written in settings. For example:

ARMSTRONG#New Orleans#Trumpet#ind_A.rb

You can see a separator in the title ("#"), and 4 informations: "ARMSTRONG", "New Orleans", "Trumpet" and "ind_A.rb". For now Cartouche doesn't know what this informations correspond to, you will help it in settings.

b) Cartouche settings

You can open it by clicking on icon  or go to menu plugins/Cartouche/Settings. Settings in a dialog box with some fields.



The image shows a 'Cartouche settings' dialog box with various fields and annotations. The dialog box has a title bar with a close button. The fields are as follows:

Field	Value	Annotation
Title separator:	#	You must write drawing title separator here
X on screen (0 to 1):	0.02	You can move you title block by changing this value: It will move cartouche in X.
Y on screen (0 to 1):	0.042	You can move you title block by changing this value: It will move cartouche in Y.
Cartouche sep. start:	{	You need this line when "_/__" is used. This is first separator in the cartouche.
Cartouche sep. end:	}	You need this line when "_/__" is used. This is last separator in the cartouche.
Tooltip mode:	No	This is an option, for replacing scene tab name by iso view tooltip when there is an iso view.
Field 1 name:	Forum (the best!)	This is the 1st field name in your future cartouche.
Field 1 value:	@1>	This is the 1st field value in your future cartouche. You will find some explications below.
Field 2 name:	Category	This is the 2nd field name in your future cartouche.
Field 2 value:	@2>	This is the 2nd field value in your future cartouche. You will find some explications below.
Field 3 name:	Designation	This is the 3rd field name in your future cartouche.
Field 3 value:	@3<	This is the 3rd field value in your future cartouche. You will find some explications below.
Field 4 name:	Date	This is the 4th field name in your future cartouche.
Field 4 value:	%DATE	This is the 4th field value in your future cartouche. Value here is a variable .
Field 5 name:	View	This is the 5th field name in your future cartouche.
Field 5 value:	%PAGE	This is the 5th field value in your future cartouche. You will find some explications below.
Field 6 name:	Indice	This is the 6th field name in your future cartouche.
Field 6 value:	@4>[-1]_/_	This is the 6th field value in your future cartouche. Here, this is a just a text .
Field 7 name:	Page	This is the 7th field name in your future cartouche.
Field 7 value:	%N	This is the 7th field value in your future cartouche.
Field 8 name:		This is the 8th field name in your future cartouche.
Field 8 value:		This is the 8th field value in your future cartouche.

Buttons: OK, Cancel

You can see Cartouche can have 8 fields. Fields can be composed of simple texts, variables, and title parts. Let me explain you how it works.

c) Title order Vs Cartouche order

You have to distinguish title informations order, and cartouches fields order. That's very important. In my example ARMSTRONG is the first title information, but you can put it at the end of the cartouche! Numbers after @ symbol in the fields value are localisation of title informations.

d) Cartouche settings explanations

The most important thing to understand with cartouche is field **value** parameters. The rest is very simple. As you can see in the cartouche settings example, there are some symbols in field value.

@	The first symbol you must to write if you want to take information from the title. Means "the field value is in the title".
1	Means "The field value is title information N°1".
>	Means "This information will appear upcased in the cartouche".
<	Means "This information will appear capitalized in the cartouche".
=	Means "This information will appear with same case in the cartouche".
(-1)	Optional code. Means "Just write last character in the cartouche". In fact, this code does same thing as arrays navigation.
/	Optional code. You must write this symbol at the end of your parameter line. Means "Do not put this information on a new line"
%DATE	A variable that puts current date in the cartouche
%DIR	A variable that returns directory of your drawing
%PAGE	A variable that puts scene tab name in the cartouche. And your cartouche will change at every change of scene
%N	A variable that's returns number of the scene

In the settings example below:

Field 1 value "@1>" means "The field 1 value is title information N°1 and will be capitalized".

Field 3 value "@3<" means "The field 3 value is title information N°3 and will be written as you write in the title".

Field 4 value "%DATE" means "The field 4 will be the current date".

Field 5 value "@5>(-1)_/_ " means "The field 5 value is title information N°5, will be upcased, just last character will be in the cartouche and no new line for this field".

Field 6 value "MN" means "The field 6 will be "MN"".

You can't modify variable case. So you can't use >, <, or (-1), (1..1), etc.

For information to take from the title, You MUST follow this order:

@ sign	If you don't put it, Cartouche will understand what is written is just some text
Integer	To tell to cartouche where information is placed in the title)
<>=	To change case of the information
(...)	Optional symbol, for isolating a part of the information
/	Optional symbol, for staying on current cartouche line.

e) Tooltip mode

This is an option in cartouche settings. %PAGE variable puts scene tab name in the cartouche. If you validate this option, %PAGE variable will be changed. So if you have an iso view in your scene, name of the iso view will replace scene tab name.

f) Cartouche separator

These 2 lines in settings are used with _/_ symbol. When this symbol is at the end of a line in settings, Cartouche understands that information will not be a new text line. So it takes 1st separator to start and 2nd separator at the end.

g) Last tool: Record existing cartouche

This tool is used in case of Cartouche creates another text above existing. For example if you delete existing cartouche, and undo your action, Cartouche will loose text link.

h) Examples

With Armstrong example, here is the setting for putting a cartouche:

The screenshot shows the SketchUp interface with the 'Cartouche settings' dialog box open. The dialog box has a title bar that says 'Cartouche settings (puts @ if value is i...)' and a close button. The main area of the dialog box contains the following fields:

- Separator:** #
- X on screen (0 to 1):** 0.02
- Y on screen (0 to 1):** 0.035
- Field 1 name:** Name
- Field 1 value:** @1>
- Field 2 name:** Town
- Field 2 value:** @2>
- Field 3 name:** Instrument
- Field 3 value:** @3<
- Field 4 name:** Indice
- Field 4 value:** @4>{-1}
- Field 5 name:** Date
- Field 5 value:** %DATE
- Field 6 name:** (empty)

And the setting example below will give this result of example given below

The screenshot shows the SketchUp interface with the 'Cartouche settings' dialog box open. The dialog box has a title bar that says 'Cartouche settings' and a close button. The main area of the dialog box contains the following fields:

- Title separator:** #
- X on screen (0 to 1):** 0.02
- Y on screen (0 to 1):** 0.042
- Cartouche sep. start:** [
- Cartouche sep. end:**]
- Tooltip mode:** No
- Field 1 name:** Forum (the best!)
- Field 1 value:** @1>
- Field 2 name:** Category
- Field 2 value:** @2>
- Field 3 name:** Designation
- Field 3 value:** @3<
- Field 4 name:** Date
- Field 4 value:** %DATE
- Field 5 name:** View
- Field 5 value:** %PAGE
- Field 6 name:** Indice
- Field 6 value:** @4>{-1}_/_
- Field 7 name:** Page
- Field 7 value:** %N
- Field 8 name:** (empty)
- Field 8 value:** (empty)

At the bottom of the dialog box, there are 'OK' and 'Cancel' buttons.