

CabWriter Comprehensive 3.0

Video Index

This video series is a multi-part series, that covers the complete design and documentation of the Gracie Hopkins kitchen shown in Figure 1 through **Error! Reference source not found.**. Gracie Hopkins is a fictional client. Before viewing these videos read the Notes at the end. Included in this Zip folder is a folder of default files you can use to follow along with you own drawing. Those default files are explained in the section called The Defaults below.

THE CABINETS

The Gracie Hopkins kitchen includes 19 cabinets, many of them multi-box cabinets and a few of them are divided base or upper cabinets.

Error! Reference source not found. describes each cabinet by number as they appear in Figure 1 through **Error! Reference source not found.** and as they are drawn in the CabWriter Comprehensive 3 training videos.

Cabinet Number	# Of Boxes	Box Descriptions
C1L	3	Lazy Susan, 3-drawer bank and standard base w\drawer
C2L	3	sink base w\2 doors & drawers, 3-drawer bank combo, 2-door blind corner
C3L	1	1-door standard base
C4L	2	diagonal corner and 1-door standard base
C5L	1	3-drawer bank
C6U	1	Refrigerator upper
C7L	1	2-compartment divided base
C8L	1	4-compartment divided base
C9U	1	diagonal corner
C10U	1	diagonal corner
C11L	2	2-door standard base, 2-door standard base
C12L	1	modified 2-door standard base
C13L	3	2-door standard base flanked on each side by a 3-drawer bank
C14U	4	Three 2-compartment divided uppers & one 8-compartment divided upper
C15U	1	1-compartment divided upper
C16U	4	Three 2-compartment divided uppers & one 8-compartment divided upper
C17U	1	1-door standard upper
C18U	1	1-door standard upper
C19L	1	3-drawer bank

Table 1 Cabinet Number By Number Of Boxes & Box Descriptions

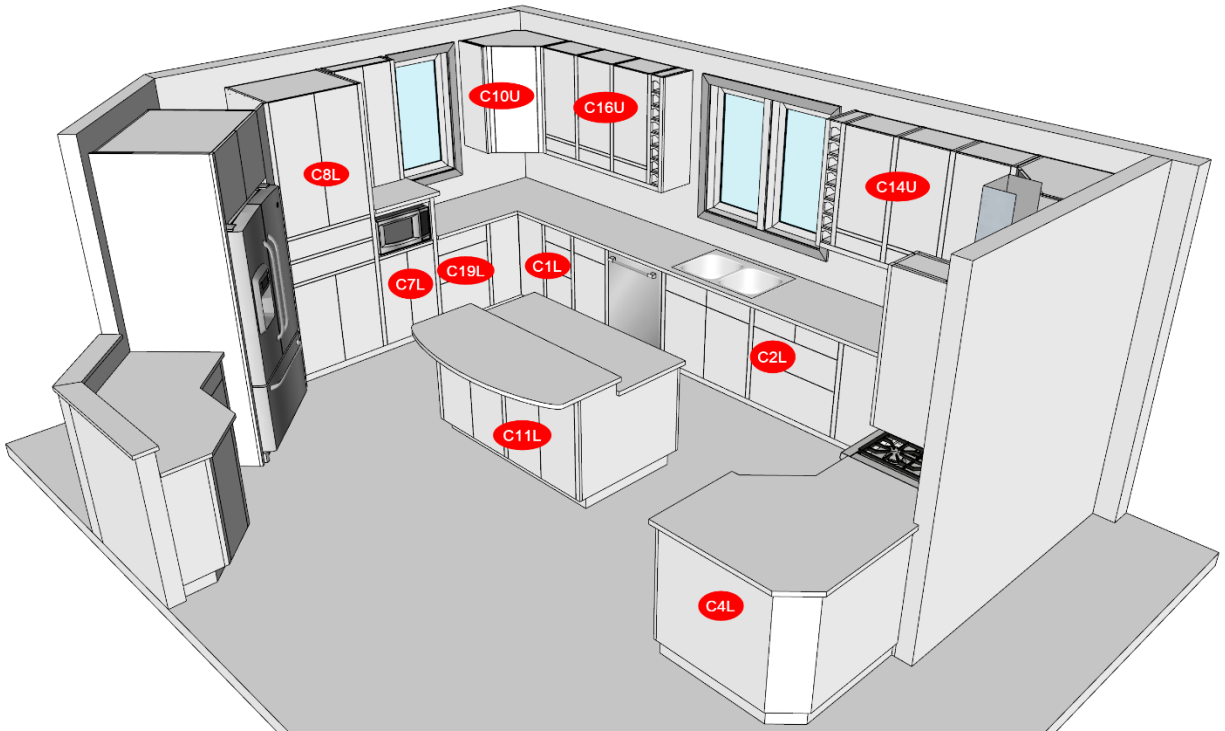
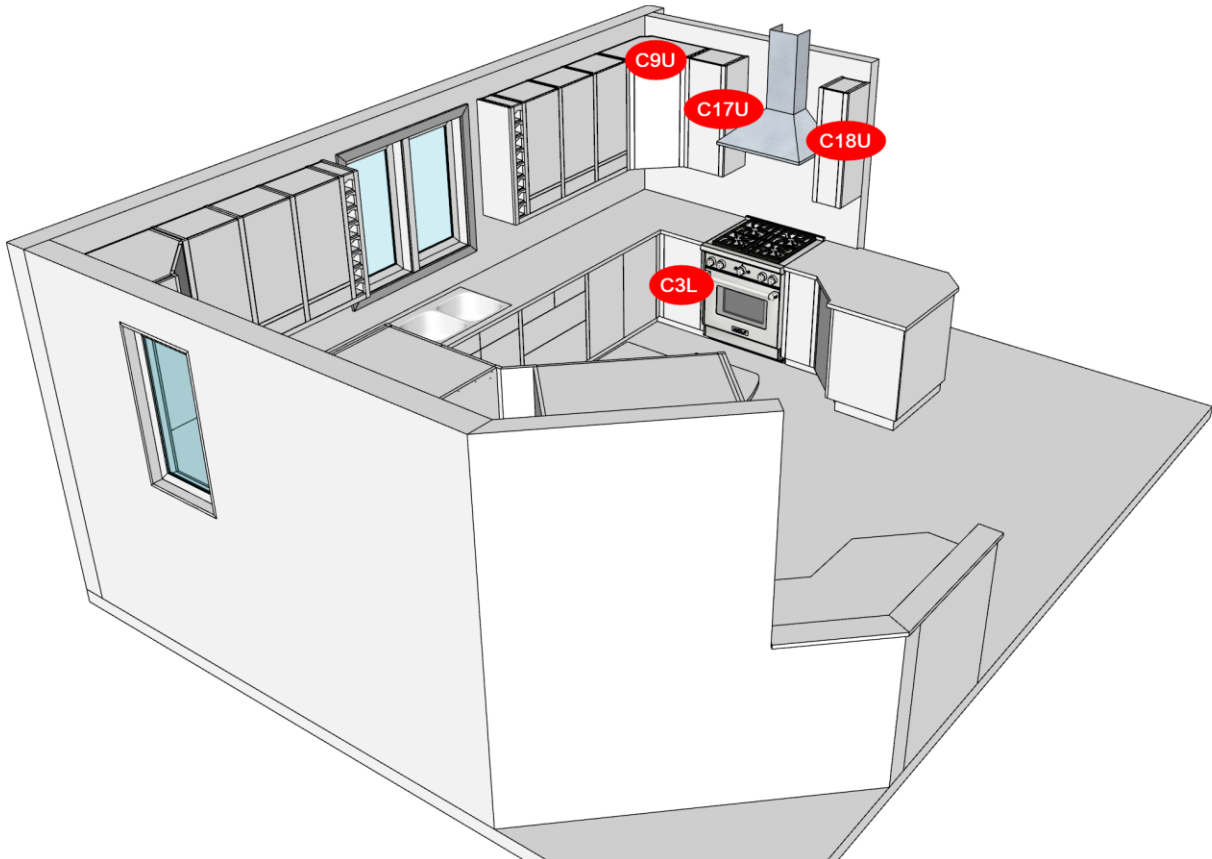


Figure 1 First of three images showing the numbering of the Gracie Hopkins cabinets.

Figure 2 Second of three images showing the numbering of the Gracie Hopkins cabinets.



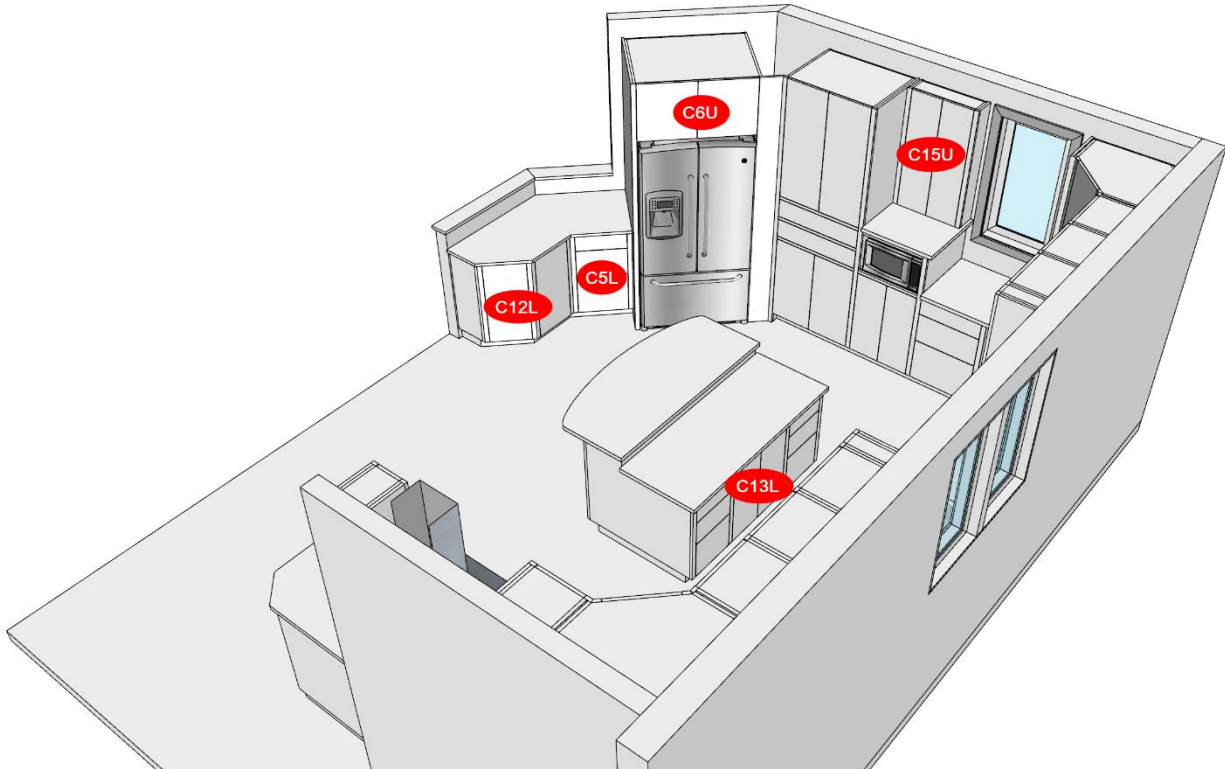











Figure 3 Third of three images showing the numbering of the Gracie Hopkins cabinets.

THE DEFAULTS

In the CabWriter Comprehensive 3.0 Videos folder is a sub-folder called Gracie Hopkins Default Files which contains the following files:

-  CW3C_Baking_Cabinet_Base.cwd
-  CW3C_Base_Basic.cwd
-  CW3C_Breakfast_Cabinet_Base.cwd
-  CW3C_Divided_Upper_Wine_Cabinet.cwd
-  CW3C_Microwave_Base.cwd
-  CW3C_Refrigerator_Upper.cwd
-  CW3C_Spice_Cabinet_Upper.cwd
-  CW3C_Tall_Storage_Cabinet_Base.cwd
-  CW3C_Upper_Basic.cwd

These are the defaults used to draw each cabinet in the Gracie Hopkins model. You can save them to your CabWriter Defaults directory specified on the Project tab of the CabWriter Settings dialog box in the User Default Files section shown in Figure 4. Do this before viewing the videos. That way, as you follow along, you can use these defaults to model each cabinet. Table 2 lists which cabinets use the various defaults files.

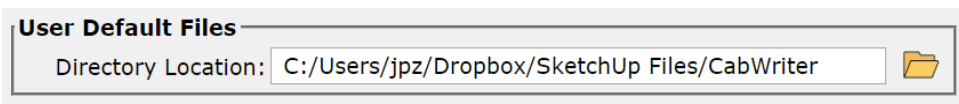


Figure 4 Example User Defaults Files Directory

Defaults File	Cabinet Names	Cabinet Numbers
CW3C_Baking_Cabinet_Base.cwd	Island Baking Cabinet	C13L
CW3C_Breakfast_Cabinet_Base.cwd	Island Breakfast Cabinet	C11L
CW3C_Divided_Upper_Wine_Cabinet.cwd	Divided Upper Wine Cabinet	C14U & C16U
CW3C_Microwave_Base.cwd	Microwave Cabinet	C7L
CW3C_Refrigerator_Upper.cwd	Refrigerator Cabinet	C6U
CW3C_Spice_Cabinet_Upper.cwd	Spice Cabinet	C15U
CW3C_Tall_Storage_Cabinet_Base.cwd	Tall Storage Divided Base	C8L
CW3C_Base_Basic.cwd	All Other Base Cabinets	C1L – C5L, C11L, C12L
CW3C_Upper_Basic.cwd	All Other Upper Cabinets	C9U, C10U, C17U, C18U

Table 2 The Defaults Files & The Cabinets That Use Them

Note:

To assist in following along in these videos it is highly recommended that you download the free extensions listed in our CabWriter web page <http://www.cabwritersoftware.com/free-plugins/>: Layer Tools, Construction Plus and Component Circle Tools.

PART 1

RUNNING TIME 45:38

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 1.
4:57	Contents of the ZIP file you downloaded.
6:59	Getting help & training sources.
15:34	Cabinet walk through & description.
27:45	Automatic scene generation.
40:38	Elevation & elevation section scenes.

CONTENTS

Part 1 is an overview video. No drawing is done in Part 1. The video takes you through a typical kitchen model I call Gracie Hopkins Kitchen, a fictional client. The model is drawn in both a frameless and face frame style. Part 1 explains the contents of the ZIP file which the user downloads from the CabWriter Software site. Next it provides information about how to get help and where to find training material and videos. In a walk-through of each of the 19 cabinets the video explains the type cabinet, its unique features and points out new CabWriter functionality used to construct them. CabWriter automatically produces 10 basic scenes needed to create shop drawings and that is demonstrated, as well as the custom styles that CabWriter supplies to create those scenes. Lastly, additional elevation and elevation

section scenes are shown and discussed including transferring hatched SketchUp scenes to LayOut where they can be dimensioned and labeled.

PART 2

RUNNING TIME 52:28

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 2.
2:12	The Wall Layout scene.
4:56	Creating a CabWriter project.
10:16	Drawing walls.
37:41	Drawing the first 3-Box cabinet.

CONTENTS

This video will focus on creating a new CabWriter project, drawing the walls for the project and drawing one cabinet; a three box cabinet. Wall and layer nomenclature is discussed in detail. The Create Story Stick tool is introduced and end and connector markers that define where boxes start, join and end are discussed. The Box Selector dialog box is introduced and a 3-box cabinet is drawn. The video progresses slowly, because it is the first cabinet in the project and a lot of detailed material is covered. Subsequent videos will cover multiple cabinets per video part and will go into more detail on cabinet and box options.

Cabinets & Subjects Covered

1. C1L – Drawing a three box cabinet in the Northwest corner. The three boxes are a Lazy Susan, Drawer Base Bank and Standard Base with Drawer. C1L uses the defaults file CW3C_Base_Basic.

PART 3

RUNNING TIME 35:25

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 3.
1:35	Review of Cabinet Definition & the pivot stile.
6:05	Drawing Cabinet C2L.
15:06	Changing a box type within a cabinet.
19:31	Drawing Cabinet C3L
25:05	Drawing Cabinet C4L
30:21	Drawing Cabinet C5L

CONTENTS

Part 3 begins with a review of the definition of a cabinet and the class of markers (and stiles) called Pivot markers (and stiles). It covers in detail how this name came about and what pivoting is. The video goes on to add four additional base cabinets to the Gracie Hopkins model. All cabinets drawn in Part 3 uses the defaults file CW3C_Base_Basic.

Cabinets & Subjects Covered

1. A review of cabinet definition & the pivot stile
2. C2L – Drawing a three box cabinet including: sink base w\2 doors & drawers, a 3-drawer bank combo & a 2-door blind corner base.
3. Use of the Edit Cabinet tool to change a box type within a cabinet.
4. C3L – Drawing a one box cabinet which contains a 1-door standard base.
5. C4L – Drawing a two box cabinet including: a diagonal corner and 1-door standard base.
6. C5L – Drawing a one box cabinet which contains a 3-drawer bank.

PART 4

RUNNING TIME 53:35

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 4.
3:37	Review of the base cabinets defaults and the creation of the defaults file CW3C_Base_Basic.
11:54	How to change a cabinet's height and related issues.
16:01	Drawing Cabinet C13L.
22:41	How to change a cabinet's depth and related issues.
25:14	Drawing Cabinet 11L.
27:30	Correcting mistakes by re-drawing selected cabinets.
33:01	Drawing Cabinet C19L.
37:45	Drawing Cabinet C7L, our first divided box.

CONTENTS

Part 4 begins with a review on base cabinet defaults for the basic Gracie Hopkins Kitchen style; CW3C_Base_Basic.cwd. This is followed by a short discussion of how to change the height of a cabinet and what that change may mean for other parameters that may need to also change. The first cabinet to be drawn in this part is C13L, the baking cabinet front cabinet of the island. Next is a discussion of how to change the depth of a cabinet and the implications of doing so on other parameters. In particular, making sure that shelf holes are defined correctly so that SketchUp does not attempt to draw holes in space. The second cabinet in this part is then drawn; C11L, the breakfast cabinet at the back of the

island. The third cabinet, C19L, in a simple 3-drawer base. Lastly, our first divided cabinet, C7L, is drawn. We slow down drawing this cabinet to spend a lot of time on the elements of a divided cabinet and how to define the box cavities needed.

Cabinets & Subjects Covered

1. A review of the base cabinets defaults and the creation of the defaults file CW3C_Base_Basic.
2. How to change a cabinet's height and related issues.
3. C13L - A three box Baking Base cabinet with two 3-drawer bank boxes on either side of a 2-door standard base. This cabinet has a counter top height of 32" to allow for rolling out baking dough or pie crust. Its depth is the standard base depth of 24". This cabinet is the North side of a two cabinet Island.
4. How to change a cabinet's depth and related issues.
5. C11L - A two box cabinet on the South side of a two cabinet Island. The cabinet consists of a two box symmetrical base cabinet; each box a 2-door standard base. The depth of this cabinet is 13" and its height is the standard base height of 36".
6. C19L - A one box 3-drawer bank base cabinet.
7. C7L - A 2-compartment divided base. The cabinet height is 50 7/8".

PART 5

RUNNING TIME 53:38

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 5.
3:11	Review of the Divided Box dialog box.
7:48	Changing the width of a cabinet.
12:46	Drawing Cabinet C8L.
18:40	Fixing Story Stick mistakes.
22:02	Drawing Cabinet C12L.
28:18	Moving a cabinet with the move tool.
36:33	Drawing Cabinet C10U.
42:11	Drawing Cabinet C16U.

CONTENTS

Part 5 adds four more cabinets to the model; two base cabinets, which completes the base, and two upper cabinets. The first is a 4-compartment divided base storage cabinet, the second a one box 2-door standard cabinet, the third a diagonal corner upper and the fourth is a 4-box divided upper. The video demonstrates numerous methods of fixing modeling mistakes, some intentional and some unintentional, but all typical of what you may run into during the normal course of modeling.

Cabinets & Subjects Covered

1. An in depth review of the Divided Box dialog box.
2. An example of how to change the width of a cabinet using the Edit Story Stick tool to recover from a modeling mistake.

3. C8L – A 4-compartment divided base storage cabinet. This part of the video goes into further depth on the Divided Box dialog box to show how to create a box with a mix of doors and drawers.
4. A demonstration of how to use the Edit Story Stick tool to change the stile types to recover from another modeling mistake.
5. C12L – A 2-door standard base, one box cabinet. This cabinet will be modified in a later part to add a 45° corner. This cabinet also serves to locate C5L which we weren't able to locate in Part 3, but with the help of C12L we can now correct that.
6. An introduction to the CabWriter Move Cabinet tool to correctly locate C5L which we placed on Part 3, but not in its correct position.
7. C10U – Our first upper cabinet, C10U is a diagonal corner cabinet.
8. C16U – Another divided upper four box cabinet; the first three boxes have a single bottom drawer and the second compartment is a 1-door compartment. The fourth box is an 8-compartment box with no doors or drawers and functions as wine bottle storage.

PART 6

RUNNING TIME 36:45

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 6.
1:51	Introduction to the Move/Copy tool to draw C14U & C9U.
6:40	Introduction to the Mirror tool to mirror C14U & C9U.
10:03	Drawing Cabinet C17U.
14:49	Drawing Cabinet C18U.
18:47	Drawing Cabinet C15U.
24:20	Drawing Cabinet C6U.

CONTENTS

Part 6 adds six upper cabinets to the model, and completes modeling with the exception of cleanup. Two new tools are introduced which have been added with the introduction of CabWriter 3: Move/Copy, which is essentially the Move tool with the Ctrl key depressed; and the Mirror tool which is a Context Menu > CabWriter tool. These two tools are used to create C14U and C9U from C10U and C16U respectively.

Cabinets & Subjects Covered

1. C14U & C9U – Two cabinets that are constructed from C16U and C10U respectively using the Move/Copy and Mirror tools.
2. C17U & C18U – Two cabinets; each a 1-door standard upper.
3. C15U - A 1-box, one compartment, divided upper. It is both shallower (7") and taller (39 1/8") than standard upper cabinets. It is designed for storage of spices. This cabinet could actually

have been modeled with a 2-door standard upper box, but I thought it interesting to see how to implement it with the divider upper.

4. C6U – A 2-door refrigerator upper.

PART 7

RUNNING TIME 36:29

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 7.
1:36	Developing a strategy for the cleanup phase.
4:50	Upper cabinet cleanup.

CONTENTS

Part 7 Part 7 introduces a strategy for the cleanup phase of a project. In this phase it is important, more than any other phase, to pay attention to details. You will find a lot of mistakes and problems as I do in this video, and it is the last chance to get the model right. In this part we cleanup the upper cabinets. Before beginning Part 7 you might want to go to <https://www.cabwritersoftware.com/free-plugins/> and download our free extensions: Layer Tools, Construction Plus & Component Circle Tools.

PART 8

RUNNING TIME 1:11:00

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 8.
3:08	Base cabinet cleanup
3:56	Placing sheet backs on the peninsula.
26:01	Adding a diagonal corner to a standard base.
36:57	Moving holes in a cabinet's side.

CONTENTS

Part 8 is a rather long video. I wanted to keep all base cleanup on one video. There are two pieces of cleanup that are particularly time consuming: placing sheet backs on the peninsula cabinet and adding a diagonal corner to the 2-door standard base. These two operations point out important tricks and techniques in cabinet editing and the user should pay close attention. For example, moving shelf and construction holes can be quite troublesome, especially for models that will be cut on a CNC machine. The approach shown here can avoid a lot of problems; problems that are otherwise difficult to solve.

PART 9

RUNNING TIME 45:37

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 9.
1:30	Ladder base cleanup.
1:49	Drawing the peninsula ladder base.
34:59	Island cleanup.
39:20	C5L & C12L ladder base cleanup.

CONTENTS

Part 9 completes the project cleanup focusing on the ladder base cleanup. Most of the ladder base cleanup is an exercise in SketchUp. Little of it makes use of CabWriter specific tools except the Make CabWriter Component tool. But, hopefully this part gives you some tricks and short cuts that perhaps you haven't seen before. At the end of this video the modeling of the Gracie Hopkins cabinets is completed as far as modeling and cleanup is concerned.

PART 10 – COMING SOON

RUNNING TIME TBD

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 10.

CONTENTS

Part 10 is devoted to creating all the scenes you will need to produce the production documentation required for building the project cabinets. For following along in this part it is highly recommended that you download and install the Layers Management tool. Go to <http://www.cabwritersoftware.com/free-plugins/> and click on the Download Layer Tools v3.0 button. In this part you will learn to assign hatch

patterns to each of the materials use in the project using the Assign Hatches tool and the Associate Material to Hatch dialog box. In addition you will learn to use the Create Section From Section Plane and Create Scene tools. When this video is completed you are ready to produce all production files and reports.

PART 11 – COMING SOON

RUNNING TIME 46:26

Time	Feature
1:17	Welcome to CabWriter Comprehensive 3 – Part 11.

CONTENTS

In this part you will learn to produce cut lists, door and drawer schedule and DXF files. Cut lists can be viewed (and printed) in any application that supports .csv files such as Excel, OpenOffice Calc or Mac Numbers. Cut lists can also be opened in the very popular [CutList Plus fx](#) where you can optimize sheet layouts and print labels. DXF files can be opened and viewed in [Vectric's Cut 2D Pro](#) where you can check your files, tool path and produce the files needed by the CNC machine. All of this is demonstrated in Part 7.

NOTES:

1. Throughout these videos I use the tool icons instead of hot keys so that the viewer can see what I am doing. This tends to slow drawing down quite a bit, so please have patience.
2. Before beginning this training series you might want to go to <https://www.cabwritersoftware.com/free-plugins/> and download our free extensions: Layer Tools, Construction Plus & Component Circle Tools.
3. You should install CabWriter Version 3.1.0 or later if you haven't yet.
4. Defaults files are in the folder labeled Defaults Files.
5. Each Part folder will contain the video for that part plus any files you need to begin following along in that part. Be sure to review those before you begin to view the video.