CHROMIC5: An Operations Guide

PERMIT SETS

* Quick summary

1. Upon opening CAD, 5 commands will run in the background automatically.
2. Run GENESIS\_DRAW command to bring in genesis layout. Popups will occur if there are discrepancies between the genesis layout and the design object information.
   1. If there are any discrepancies, pop-ups will occur describing the discrepancy on the specific roof. Please refer to the MODCOUNT reference below for interpretations of each pop-up and what to do.
3. Complete job

* Detailed summary

1. The first command will make 240 new keys in DWGPROPS with values of “N/A” (see MAKEROOFS). Next it will get the current roof information from Excel and place it into DWGPROPS(see GETROOFS). Then it will create a snapshot of the current roof information and place it into the “REVISION LIST”(see REVLIST). Lastly, it will update the dynamic blocks and execute the 3LINE command.
2. Run GENESIS\_DRAW command to bring in genesis layout. Programs that run in the background check whether there are any discrepancies in the genesis layout and the Excel information(see MODCOUNT). Finally, a roof schedule is also created(see RFTXT).
   1. See “MODCOUNT Troubleshooting” below if there is a popup.
3. Complete job by finishing 3-line and roof layout.

UPDATES/AS BUILTS

* Quick Summary

1. Upon opening CAD, type in the command CHROMIC5. 4 commands will run in the background.
2. Adjust the roof layout based upon the requested revisions.
   1. See “Roof Array Changes Troubleshooting” below.
3. Type the command REVCOUNT. 2 commands will run in the background.
4. That’s it! Now you can complete the rest of the revision.

* Detailed Summary

1. Upon opening CAD, type in the command CHROMIC5. 4 commands will run in the background (GETROOFS, REVLIST, RFTXT, GETSNAPROOFS). This will get the current roof information from Excel and place it into DWGPROPS, create a snapshot of the current roof information and place it into the “REVISION LIST” sheet in Excel. A roof schedule will be created and information from the last revision sent to the township will be placed in DWGPROPS for comparison(see GETSNAPROOFS).
2. Adjust the roof layout based upon the requested revisions. Use the QUICKB command to change or add Roofs.
3. Type the command REVCOUNT. Programs that run in the background check whether there are any discrepancies in our AutoCAD layout and the Excel information(see MODCOUNT). The next program compares the Roof# information from the “last revision sent to the township” and the current Roof# system builder information in Excel(see SNAPCOUNT). You will get pop-ups for both of these programs with information describing what changed. These pop-ups can be used to confirm changes.
4. Complete the rest of the revision.

MODCOUNT Troubleshooting

*“Roof# not found. Please either select modules in Roof# or remove Roof#.”*

This error means that either you deleted or exploded a roof block that was previously in the drawing. A prompt will appear asking if you want to remove “Roof#” or whether you want to create a new roof block using the QUICKB command. If you choose the “remove” prompt, the block will be purged from the drawing’s block database. If you choose the “SelectArray” prompt, the QUICKB command will run and allow you to create a new roof block.

*“Roof# orientation/pitch is incorrect”*

This error means that the pitch/orientation from Excel does not match the pitch/orientation from the genesis file. For a Permit Set this could either mean that the system builder information is wrong or the .genesis file information is wrong. Either adjust the system builder information in Excel and use the GETROOFS command to update.

*“Missing Excel Roof# or Layout Roof# needs to be removed”*

This error means that you have an extra Roof# on your modelspace. You must delete Roof# block and then purge the block from the drawing’s block database. You do this via the *“Roof# not found. Please either select modules in Roof# or remove Roof#”* error.

*“Roof# missing # modules”*

This error means that there are more modules in the Roof# Excel information than the Roof# block on the modelspace. You must explode the Roof# block, add # modules and recreate the Roof# block with the QUICKB command. Please refer to “Roof Array Changes Troubleshooting”

*“Roof# has # modules that need to be removed”*

This error means that there are more modules in the Roof# block in modelspace than the Roof# system builder information. You must explode the Roof# block, remove # modules and recreate the Roof# block with the QUICKB command. Please refer to “Roof Array Changes Troubleshooting”

Roof Array Changes Troubleshooting

**If you are adding a new roof:**

In the “CURRENT EXCEL ROOFS” sheet in Excel, type in below the last roof “Roof #” (first letter CAPITALIZED, space, the number roof). Add in the number of modules on the roof, pitch and orientation. In CAD, Type in GETROOFS, add the modules to the new roof, highlight them and type QUICKB. This will create the new roof block with the Roof# as the name. Use the REVLIST then the MODCOUNT command.

**If you are removing a roof:**

In the “CURRENT EXCEL ROOFS” sheet in Excel, remove the roof. In CAD, delete the roof block and type in the GETROOFS command. Type in the MODCOUNT command and follow the prompts.

**If you are moving modules from one array to another:**

In the “CURRENT EXCEL ROOFS” sheet in Excel, change the module number on each respective roof to the requested change. Run the GETROOFS command. In CAD, explode both roof blocks, adjust both roofs to the requested change. Use the QUICKB command to create the first roof block. The MODCOUNT command will automatically run. Use QUICKB to create the second roof block.

**If you are missing modules on a roof block:**

Explode the respective roof block and add the panels that you need. Use the QUICKB command to recreate the roof block.

**If you are removing module from a roof block:**

Explode the respective roof block and delete the panels that you don’t need. Use the QUICKB command to recreate the roof block.