Appendix 1 Installation

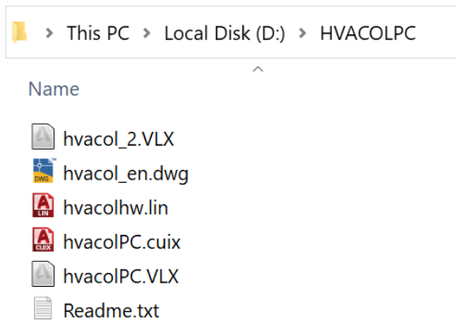
Direct download **HVACOL Psychrometric Chart Software**: http://hvacol.com/forum.php?mod=attachment&aid=NDc5fGJhN2MwMjU2fDE3MTMwMjcxNzJ8MXwxMjYx

1. Extract **HVACOLPC2023.rar** or **HVACOL Psychrometric Chart.Rar** to any directory, such as:

D:\HVACOLPC

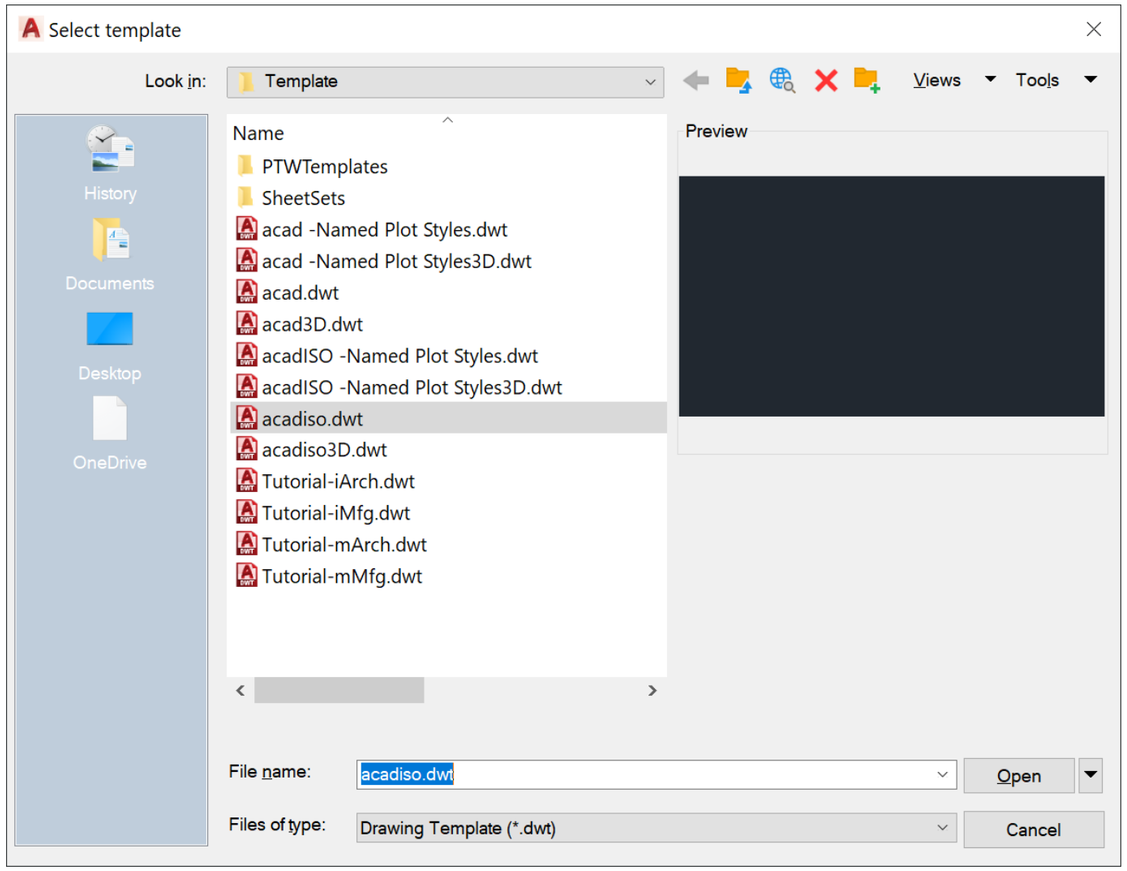
- hvacol_2.VLX
- hvacol_en.dwg
- hvacolhw.lin
- hvacolPC.cuix
- hvacolPC.VLX
- Readme.txt

Screenshot:

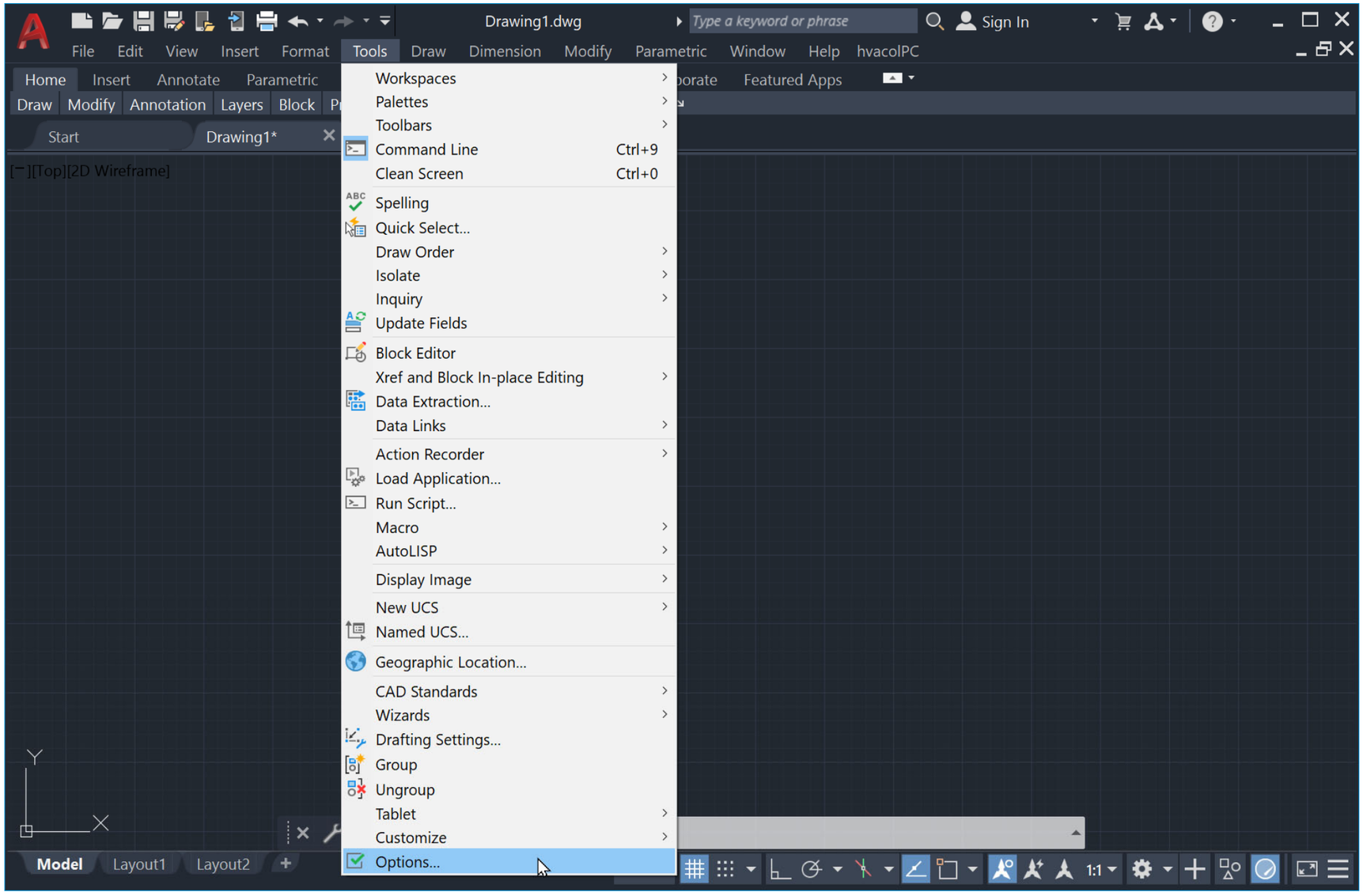


2. Set the software HVACOLPC 2023 directory to the AutoCAD support path, so that AutoCAD will automatically come here to find resources.

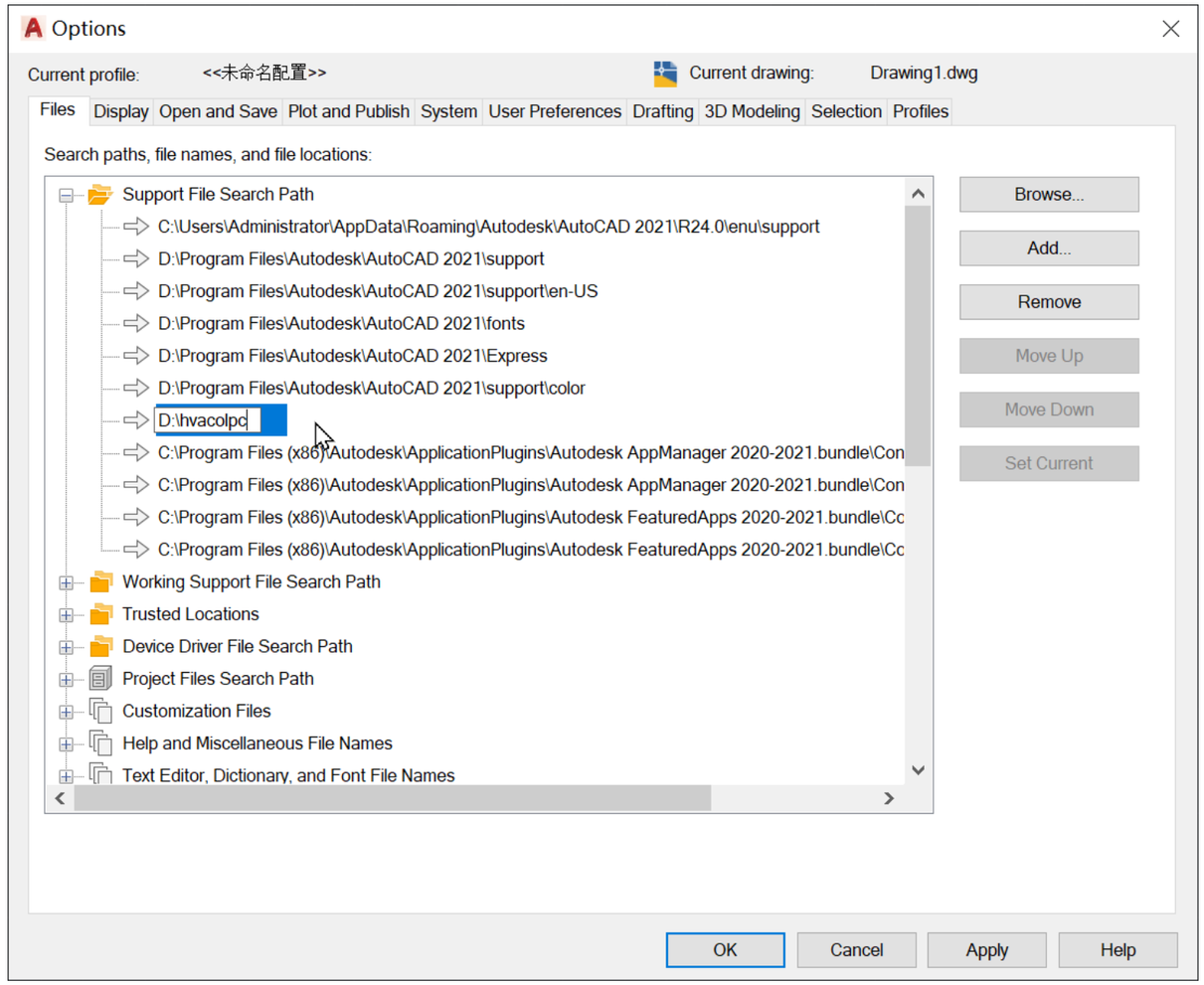
2.1 Start AutoCAD (2012 or above, including 2012) and create a new drawing using the default template “acadiso.dwt”. Click “File” –> “New… Ctrl+N”



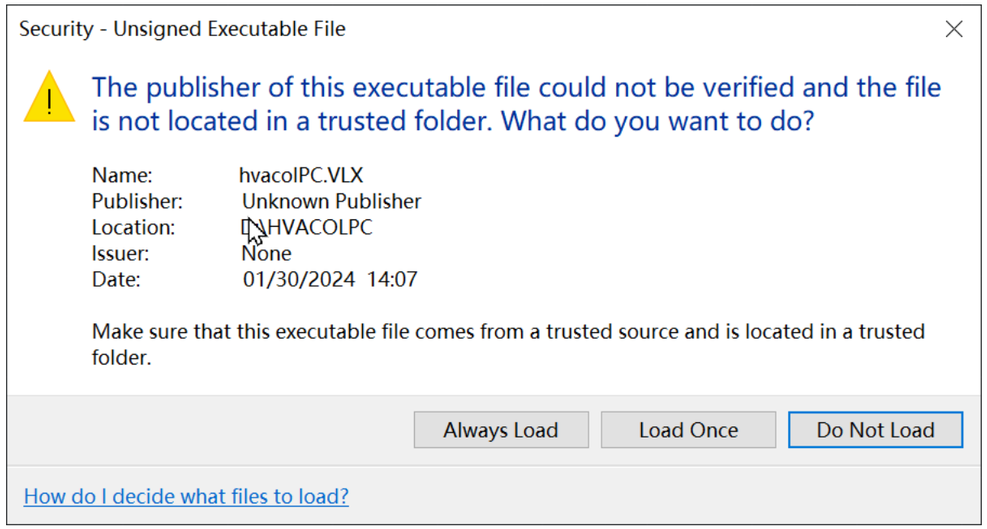
2.2 Click “Tools” -> “Options...”



2.3 Click “Files” -> “Add…” , enter the path where the HVACOLPC 2023 decompression installation was located “D:\HVACOLPC”



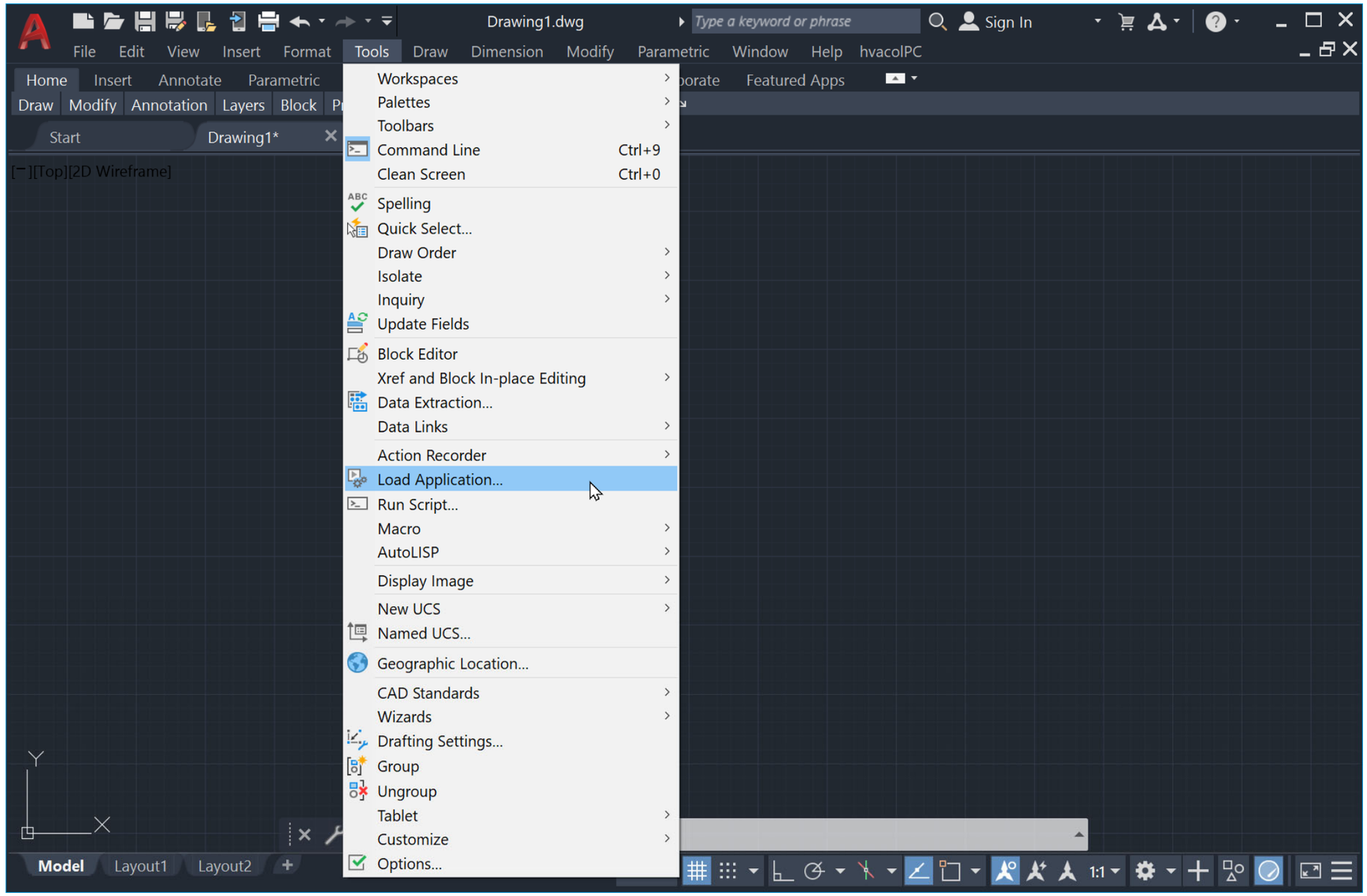
Now we need to go to the "Trusted Location", add the path where the HVACOLPC 2023 decompression installation is located “D:\HVACOLPC”. Otherwise, every time AutoCAD automatically loads the HVACOLPC 2023, a security inquiry will be required. (This option is not available in older versions of AutoCAD)



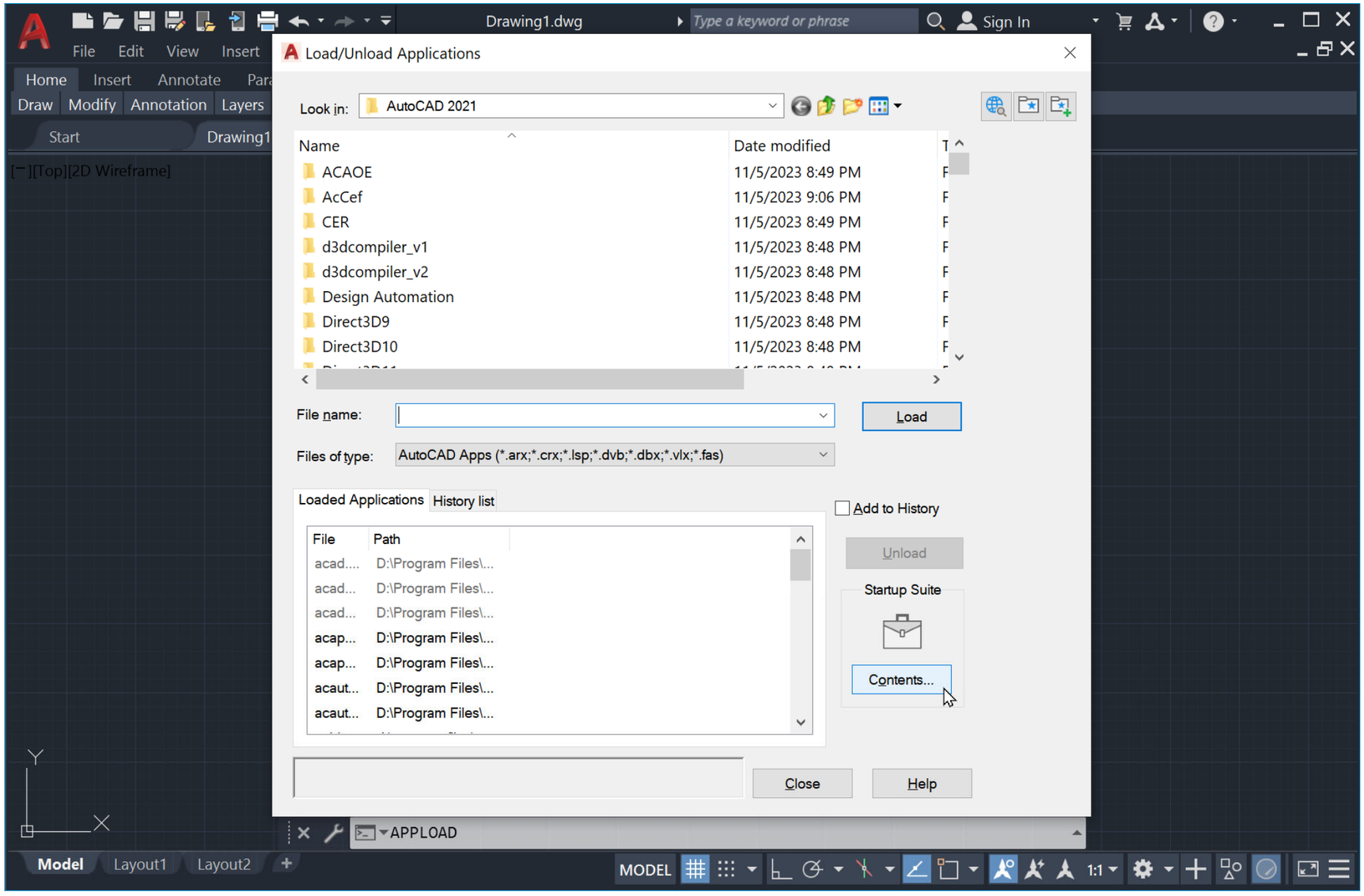
Add the path " D:\HVACOLPC " where the HVACOLPC 2023 decompression installation is located to the "Trusted Locations" operation, as shown in 4.2

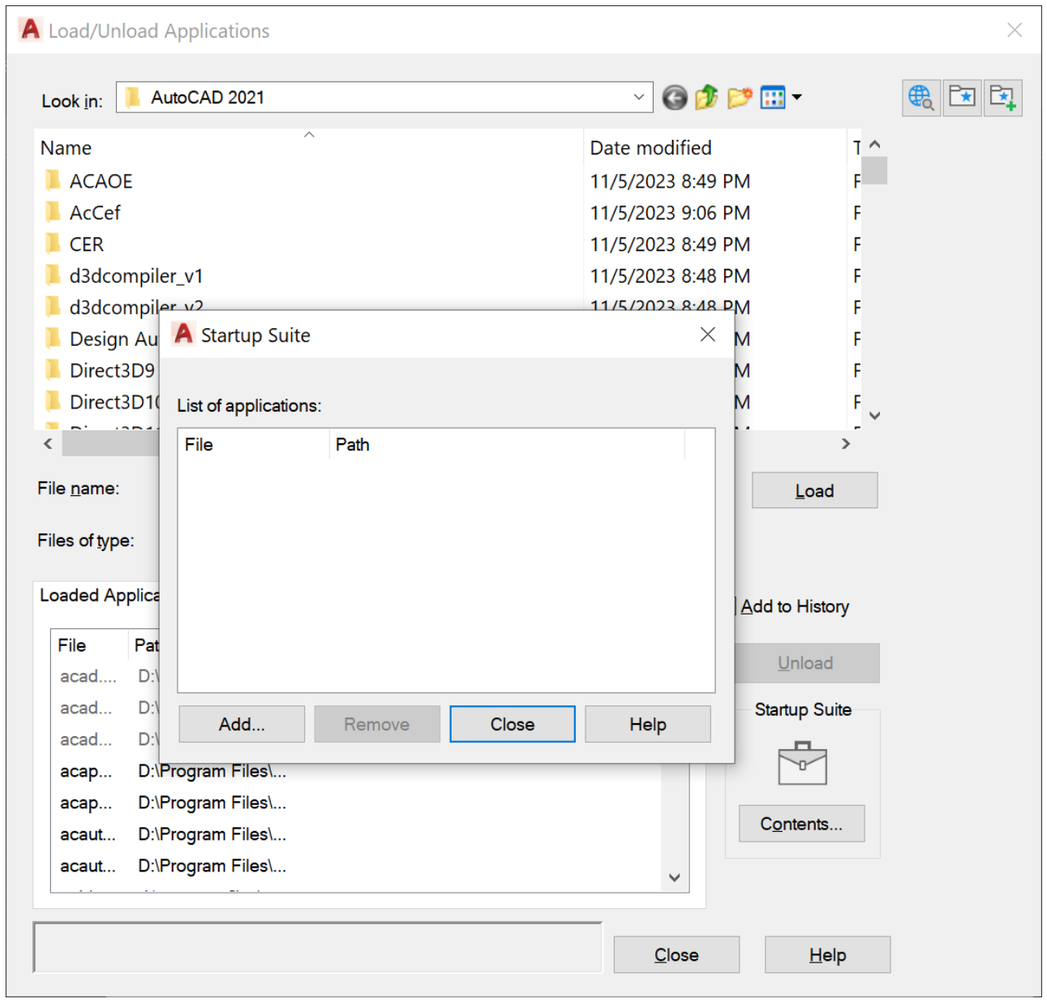
3. Set to automatically load only the interface module of the program every time AutoCAD is startup.

3.1 Enter the command "appload" on the command line, press the spacebar or enter key, or click on the pop-up menu”Tools” -> “Load Application…”

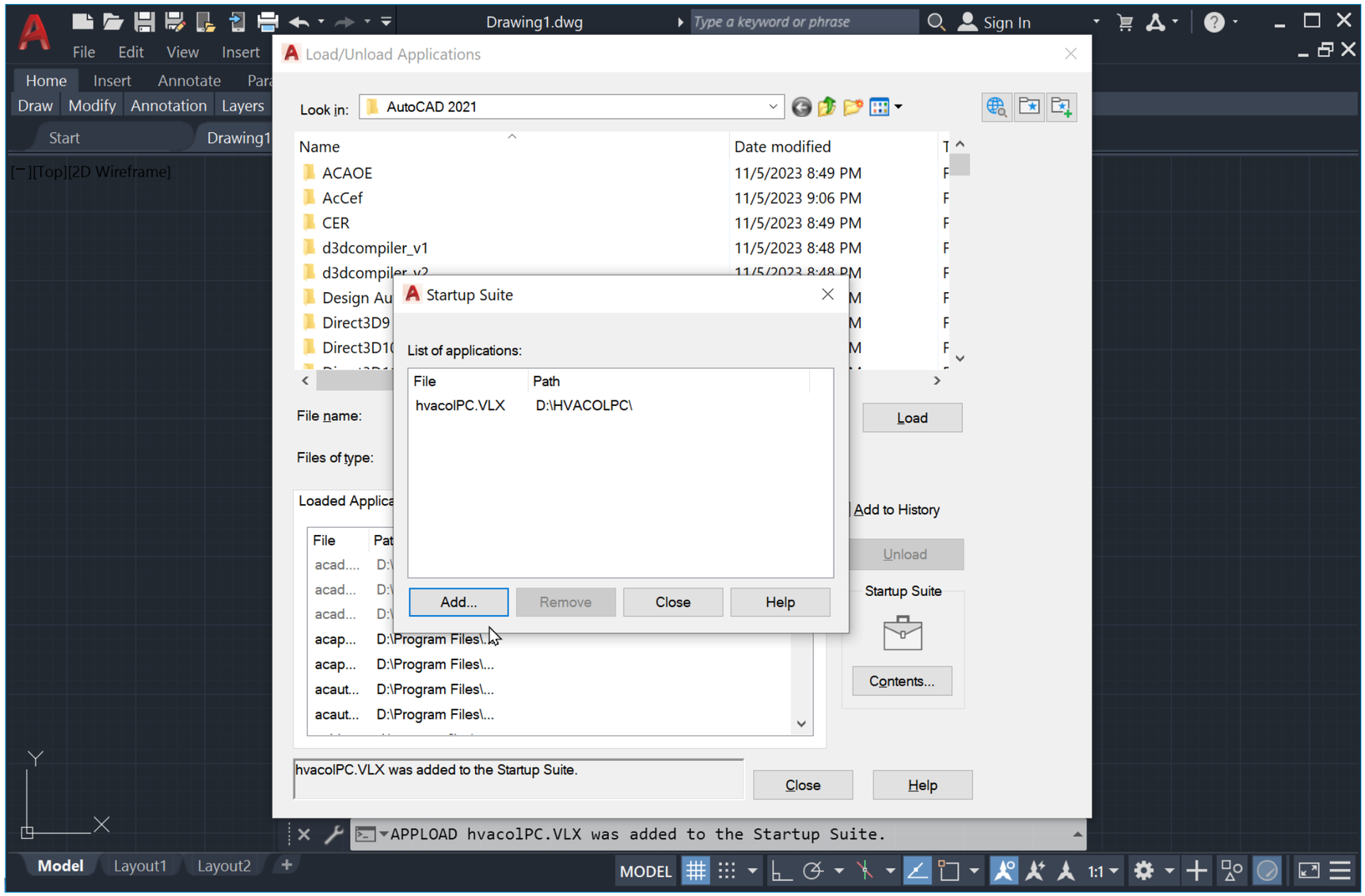


3.2 Click the “Contents…” button in the “Startup Suite”




Load/Unload Applications
Look in:
AutoCAD 2021
Name
Date modified
ACAOE
11/5/2023 8:49 PM
AcCef
11/5/2023 9:06 PM
CER
11/5/2023 8:49 PM
d3dcompiler_v1
11/5/2023 8:48 PM
Startup Suite
List of applications:
File
Path
Add...
Remove
Close
Help
File name:
Files of type:
Load
Loaded Applica
Add to History
File
Pat
acad....
acad...
acad...
acap...
D:\Program Files\...
acap...
D:\Program Files\...
acaut...
D:\Program Files\...
acaut...
D:\Program Files\...
Unload
Startup Suite
Contents...
Close
Help

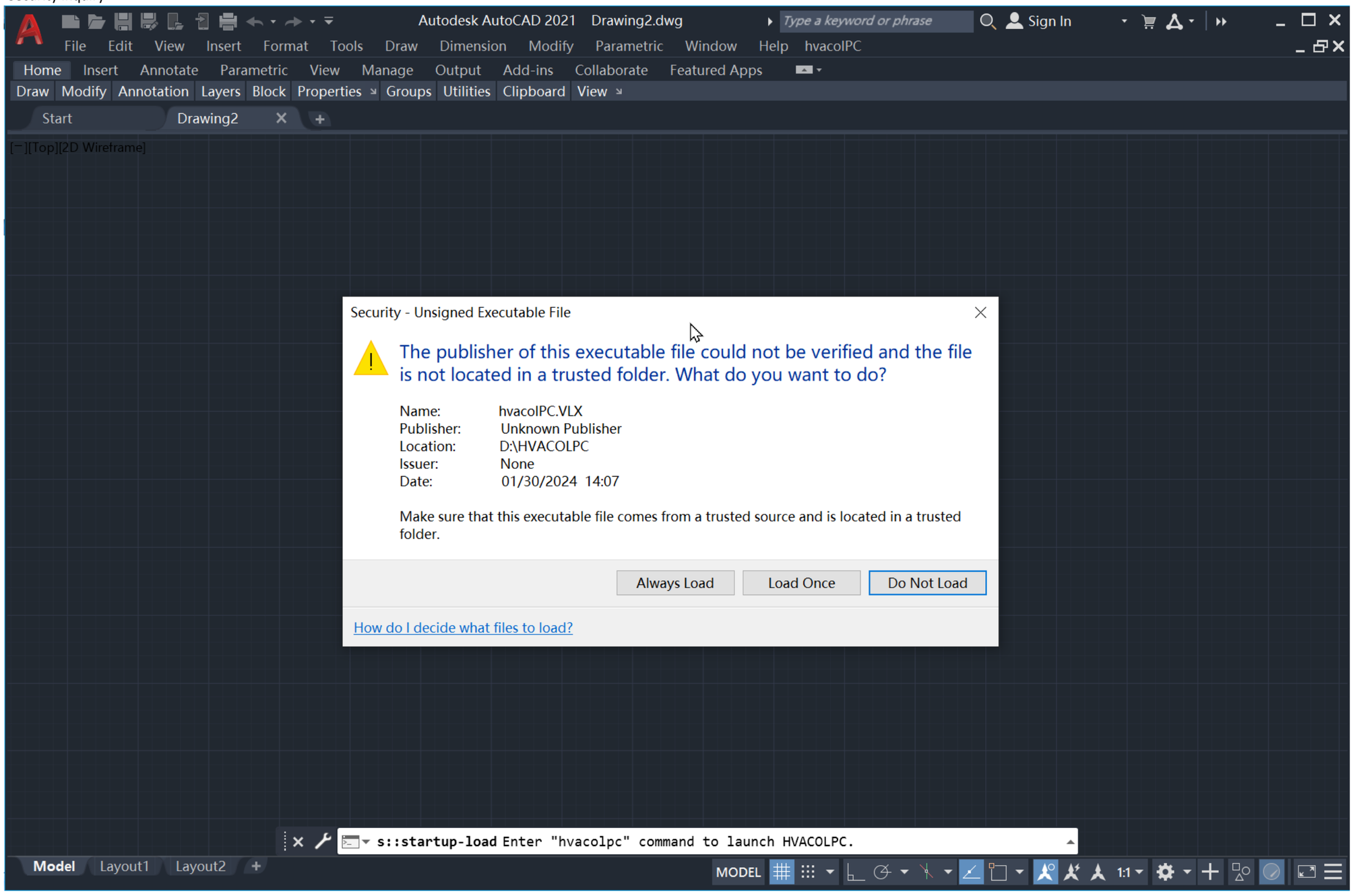
3.3 Click “Add…” to select "hvacolPC.VLX" in the "D:\HVACOLPC" directory, then click the “Open” button to add the interface module to the “Startup Suite”



AutoCAD will automatically load programs added to the Startup Suite when opening or creating a new drawing.

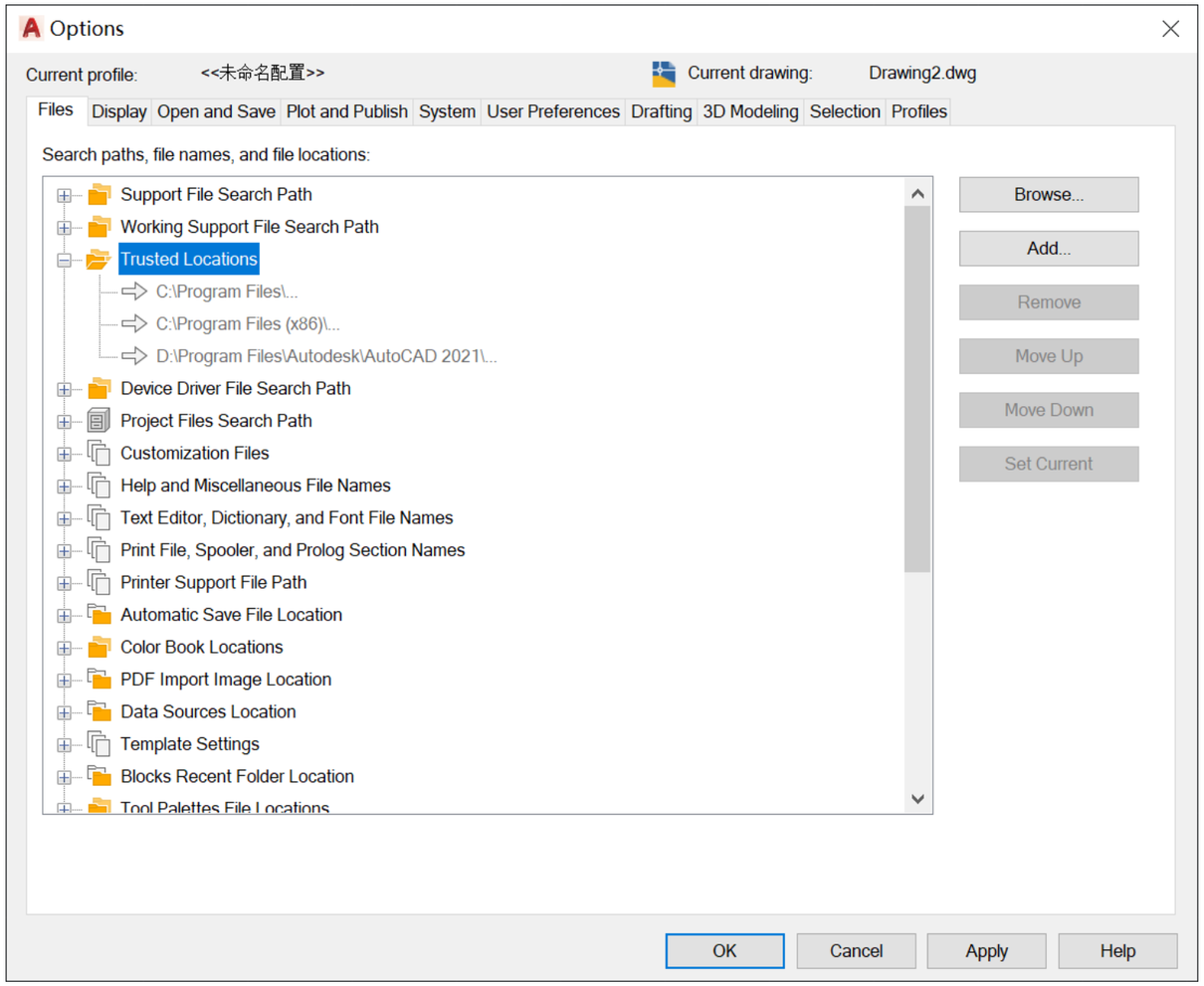
4. Use the shortcut key "Ctrl+N" to create a new drawing and check that AutoCAD automatically loads the interface module "hvacolPC.VLX" for HVACOLPC 2023

4.1 Security inquiry

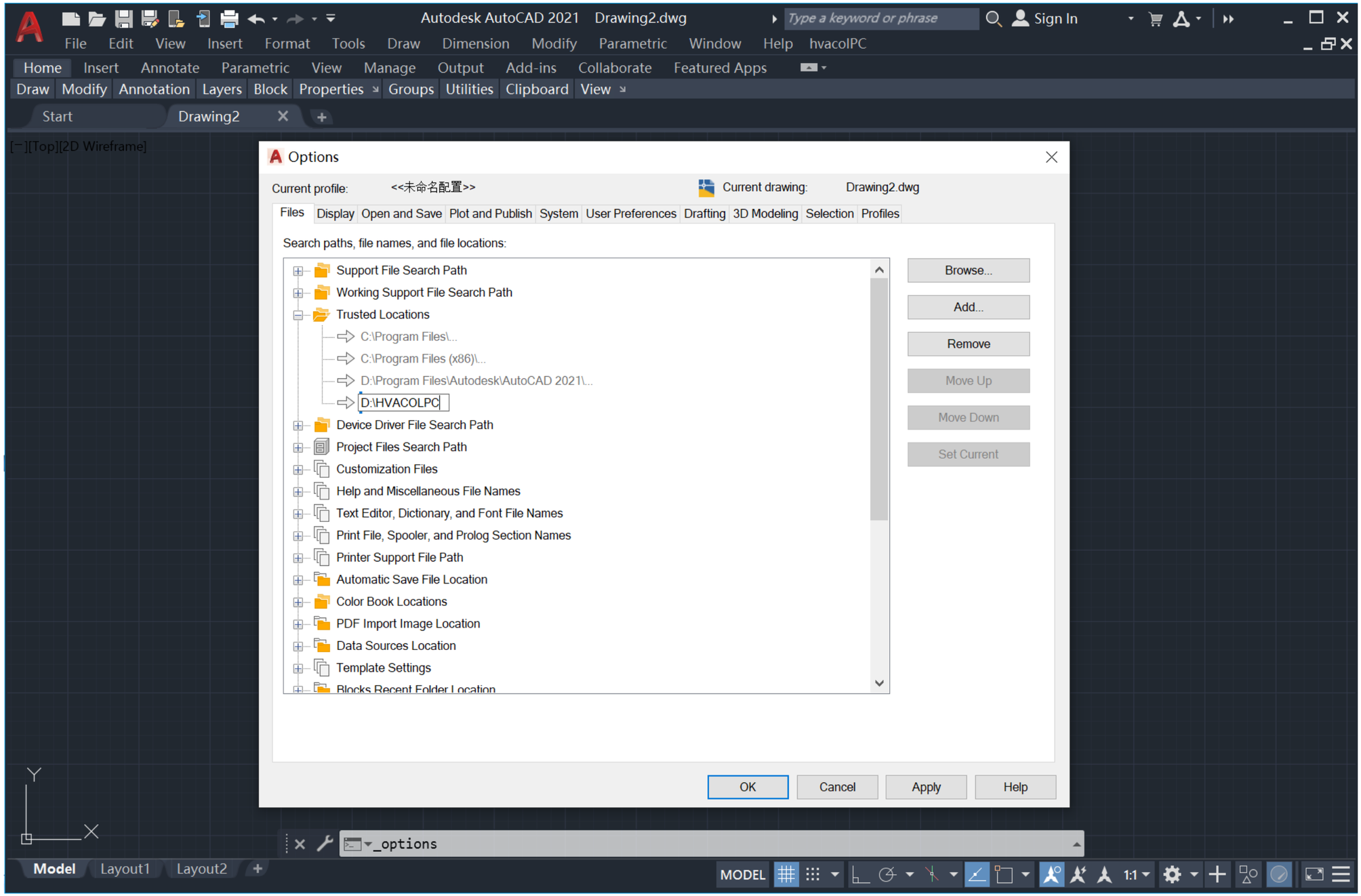


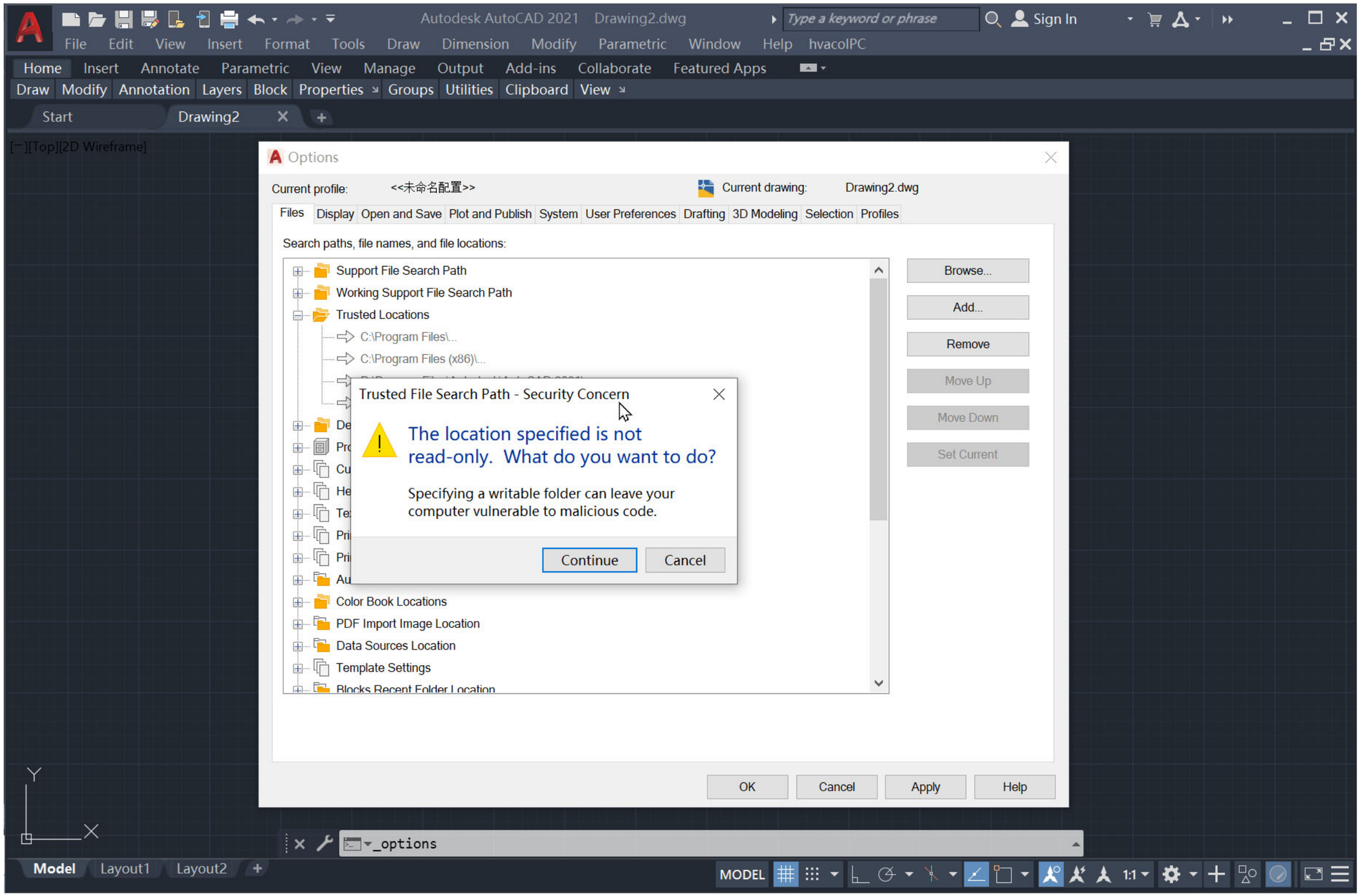
If you don't need to inquire about security every time, simply add the HVACOLPC 2023 decompression installation path "D:\HVACOLPC" to "Trusted Locations"

4.2 Click “Tools” -> “Options…” -> “Files” -> “Trusted Locations”

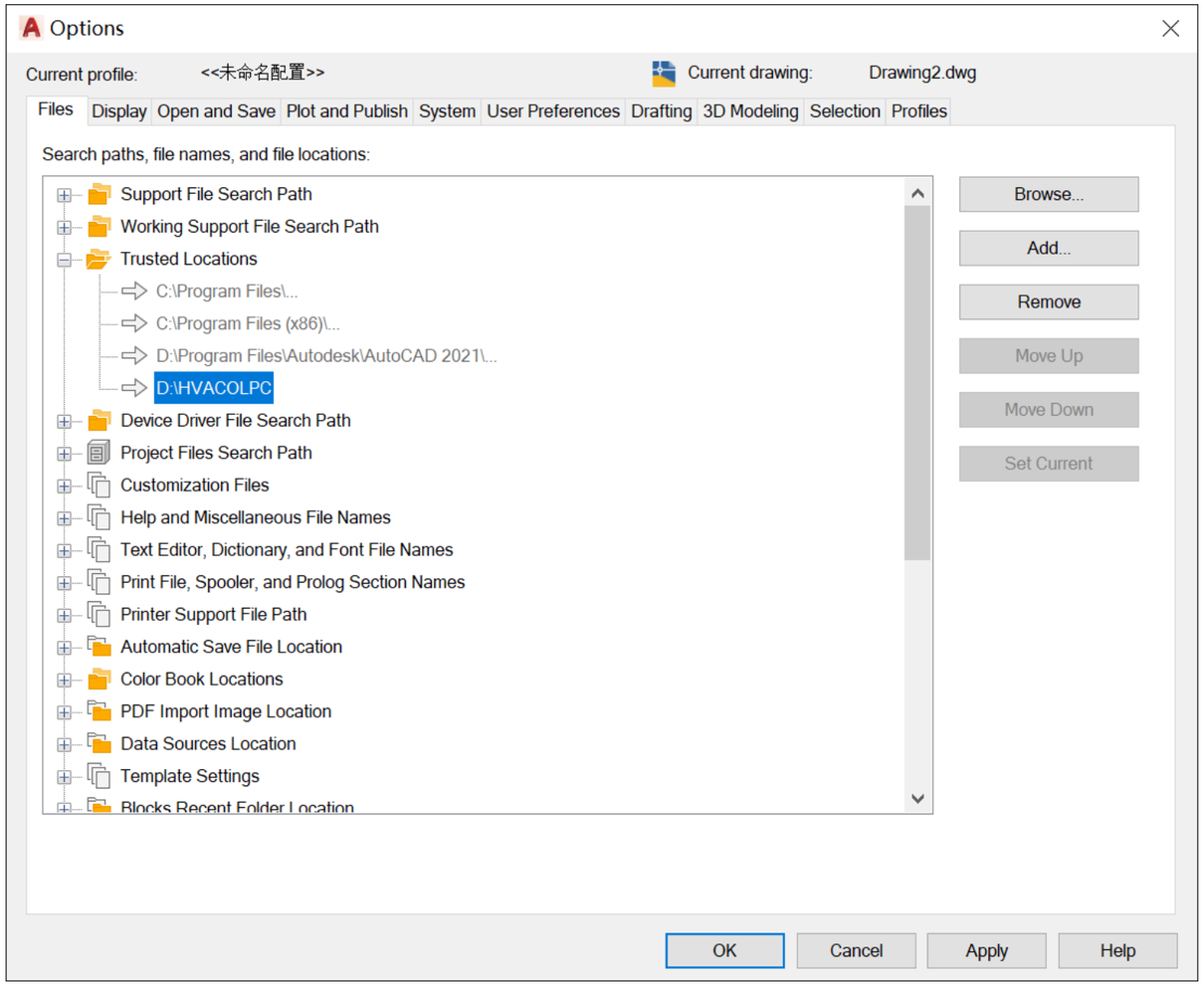


4.3 Click "Add..." to complete the trust addition of the HVACOLPC 2023 decompression installation path "D:\HVACOLPC"



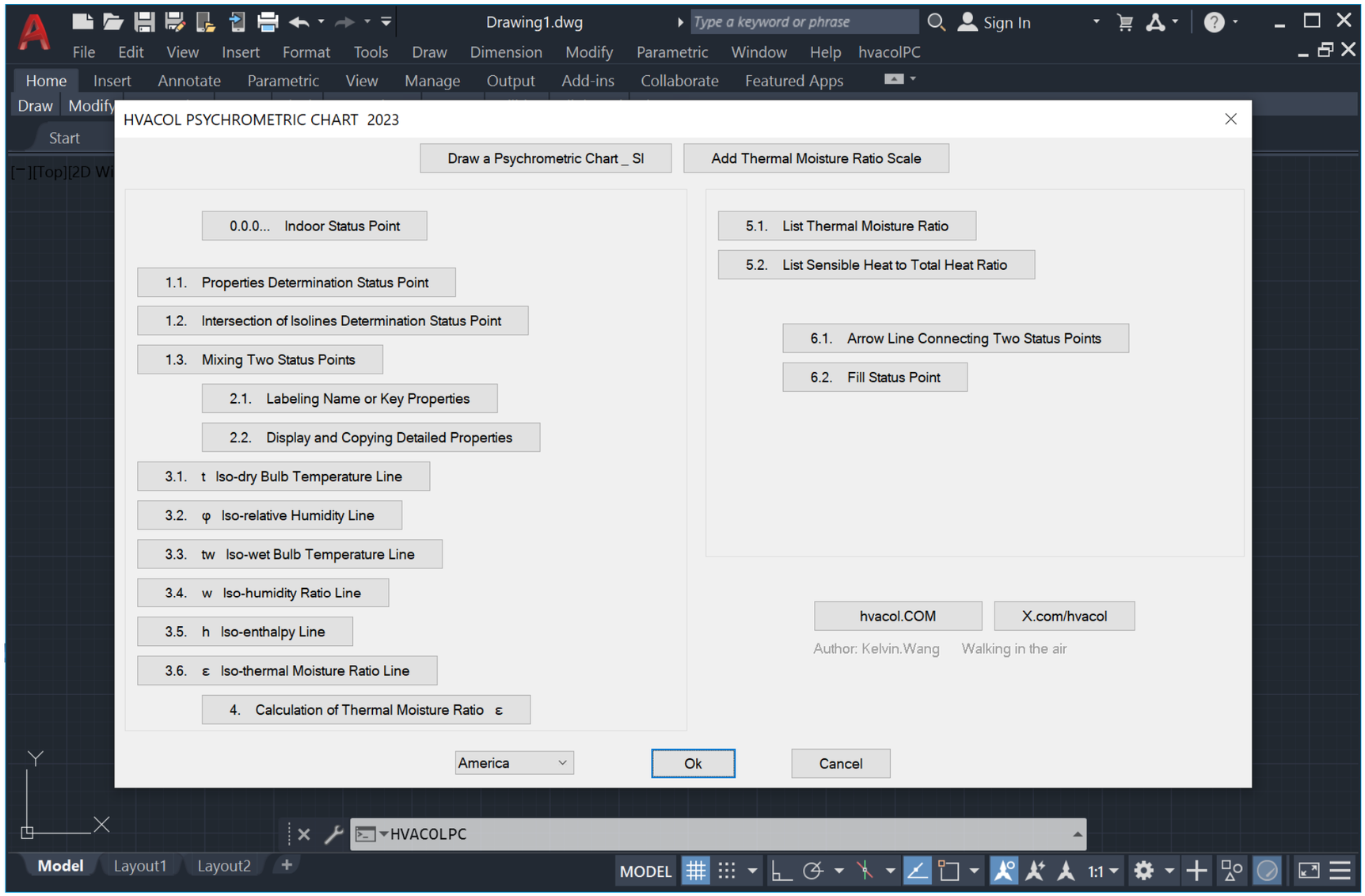


Click “Continue” button.



Click “Apply” or “OK” button.

4.4 Quit AutoCAD completely and restart AutoCAD, use the shortcut key "Ctrl+N" to create a new drawing, and AutoCAD will automatically and quietly load the interface module of HVACOLPC 2023.



After entering the "hvacolpc" command on the command line, press the "spacebar" or "enter" key to start the HVACOLPC 2023 interface.

5. HVACOL Psychometric Chart System Architecture

In order to completely avoid the impact on other AutoCAD secondary development systems, the HVACOL Psychrometric Chart is designed as two modules: 1. Interface module - Program file "hvacolPC.VLX " Implementation. 2. Functional Module - Program File "hvacol_2.VLX" Implementation.

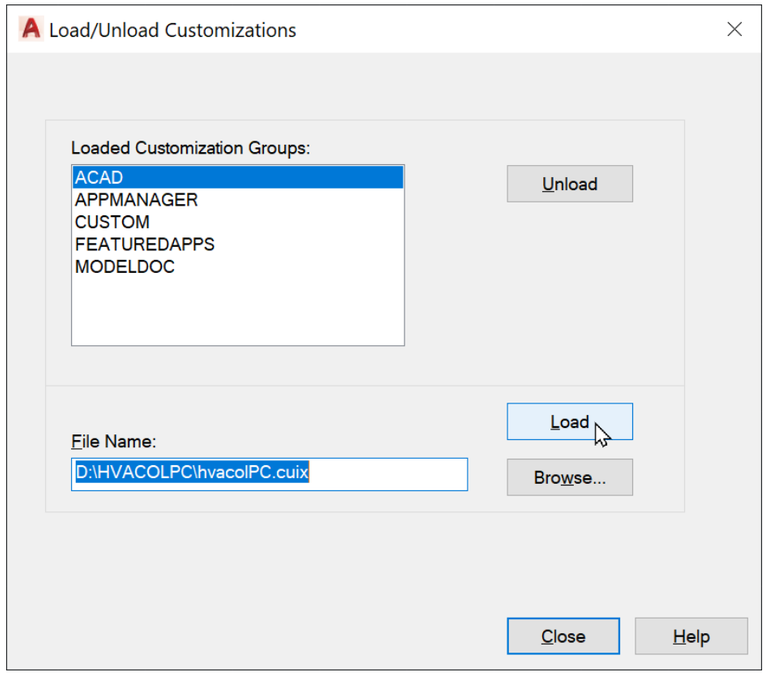
The interface module adopts the Apple development method: using website feature words as naming prefixes for commands and functions. The characteristic word "hvacol_" on the HVAC online hvacol.com website And "hvacolcom" can ensure global uniqueness. When AutoCAD starts, only the interface module program file "hvacolPC.VLX" is loaded, which completely avoids the impact on other AutoCAD secondary development systems.

When it comes to each HVACOL Psychrometric Chart function and command, the program file "hvacol_2.VLX" of the function implementation module is called. There are a huge number of functions in this module, which may indeed have the same name as other systems and affect other secondary development systems. However, because after completing the design calculations of the HVACOL Psychometric Chart, only the design drawings need to be closed or reopened, or other working drawings need to be reopened. AutoCAD memory resets, and only the interface module are loaded of the HVACOL Psychometric Chart, thus completely avoiding the impact on other secondary development systems.

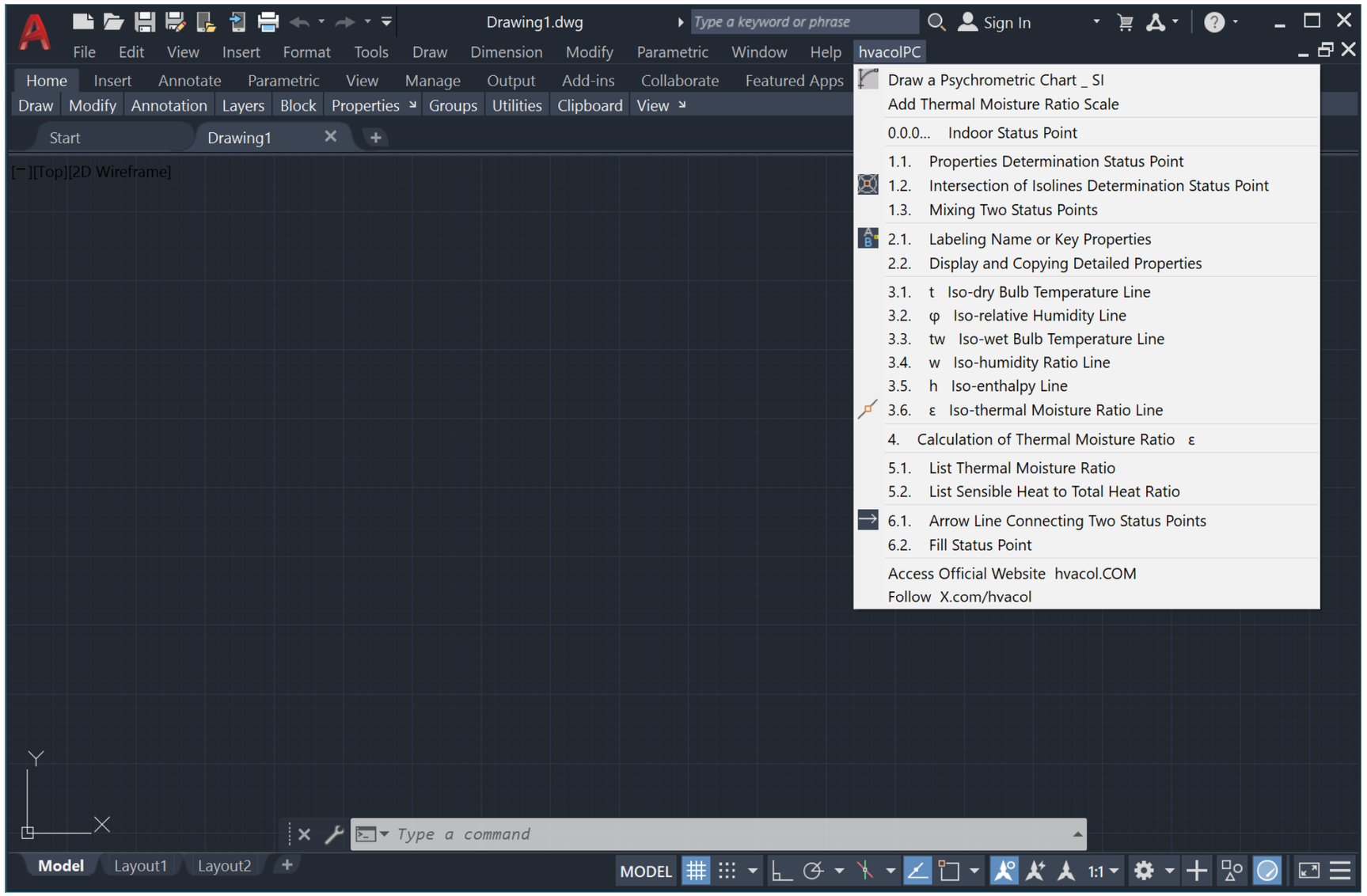
6. HVACOL Psychometric Chart pop-up menu

If AutoCAD is set to display pop-up menus, after the interface module is loaded, the pop-up menu provided by HVACOL Psychometric Chart can also be used for Psychometric Chart design calculations.

Command line input "menuload", press spacebar or enter key. "Browse" to the HVACOLPC 2023 decompression installation path "D:\HVACOLPC", add the pop-up menu file "hvacolPC.cuix"



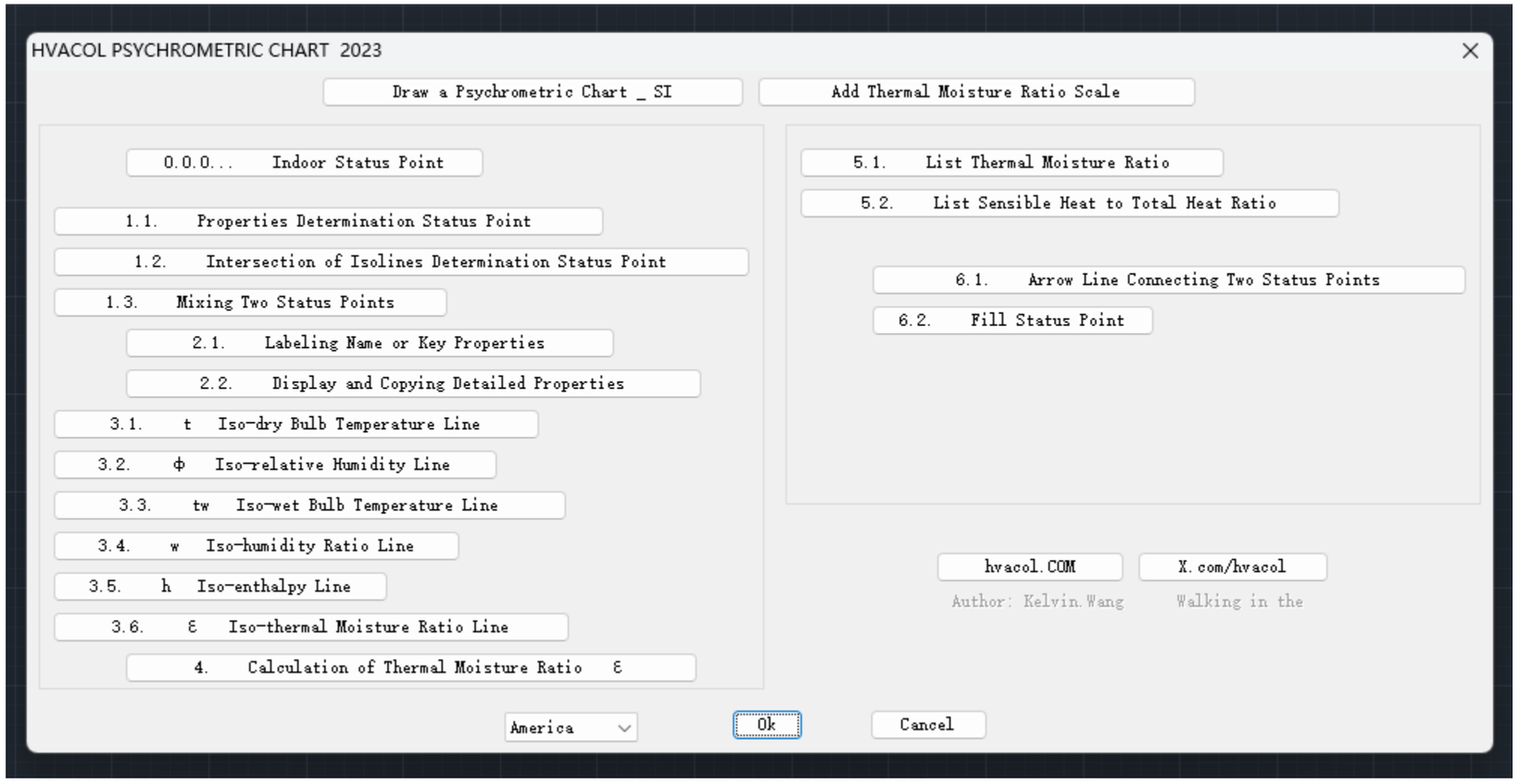
and then click the "Load" button to load the HVACOL Psychometric Chart pop-up menu successfully:



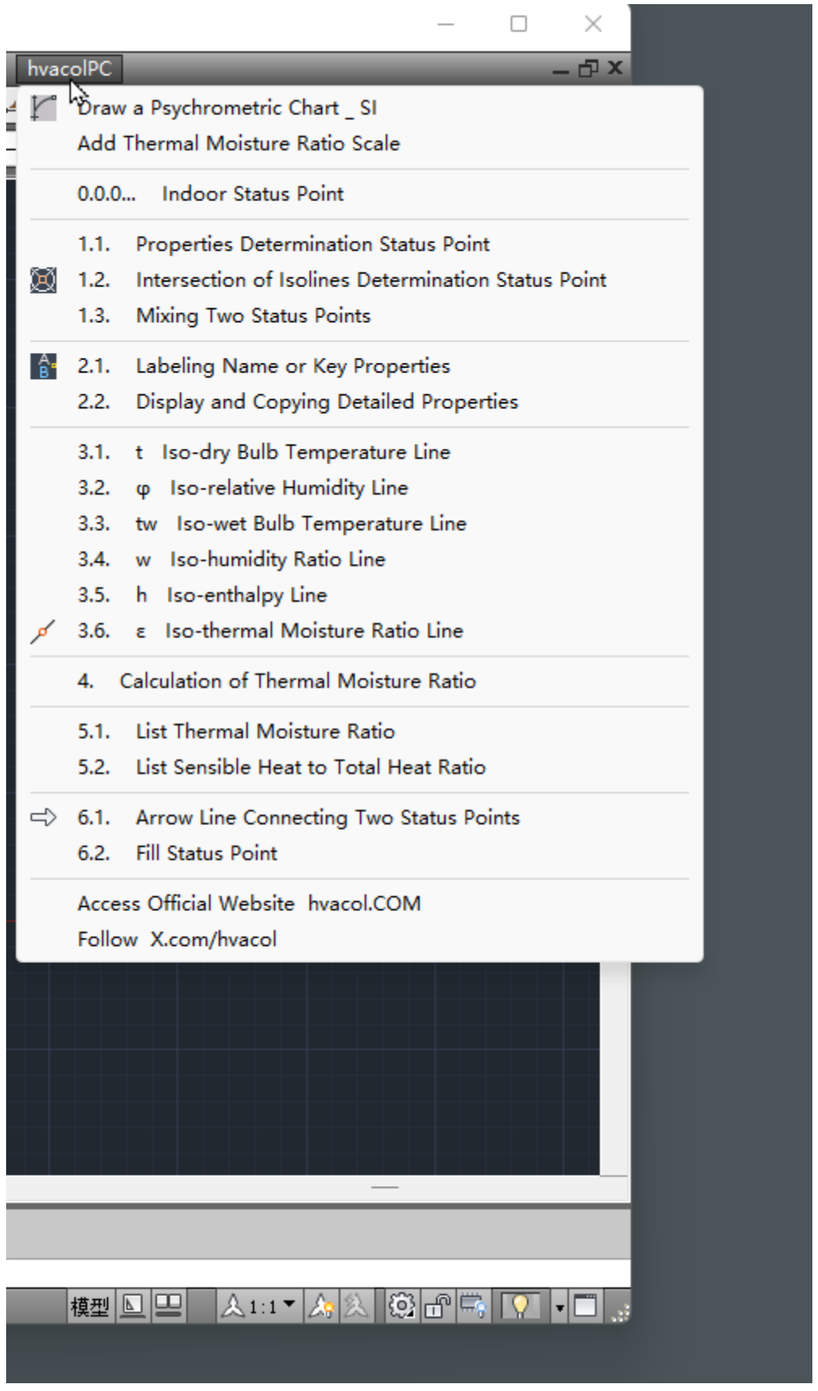
At this point, the installation of HVACOL Psychometric Chart is complete.

7. Compatibility testing

7.1 Tested using AutoCAD 2012, the interface module in AutoCAD 2012 was somewhat uneven and had little impact. The pop-up menu is completely consistent on AutoCAD2012 and 2021.



Display of HVACOL Psychrometric Chart Interface Module on AutoCAD 2012



Display of HVACOL Psychometric Chart Popup Menu on AutoCAD 2012

7.2 Passed the compatibility test with a minimum resolution of 1024 x 768 (which is also the minimum resolution required by AutoCAD, otherwise AutoCAD cannot start).

As long as the screen resolution is greater than or equal to 1024 x 768, AutoCAD can run and HVACOL Psychometric Chart can run.

7.3 Repeatedly tested the various design and calculation functions of the HVACOL Psychometric Chart, and found them to be normal.

8. Logo shape and logo text



The logo shape and logo text cannot be moved out of the boundary of the psychometric chart, deleted, modified, or resized. The software randomly detects changes and refuses to continue working once they are detected (completed without any impact) without saying a word or reminding...

Regenerate a new psychometric chart, everything continues to be normal.

Just let the logo shape and logo text stay quietly in their original place, without paying attention.

9. Software updates and upgrades

Download the latest file and decompress it to replace the original file: http://hvacol.com/forum.php?mod=viewthread&tid=1261

HVACOL Psychrometric Chart 2023

No need to crack or register
Green installation
Completely free
Applicable to all AutoCAD versions above and including 2012

When generating a new high-precision psychrometric chart using HVACOL Psychrometric Chart 2023 software, it takes approximately 10 seconds to wait.

Download the latest software and user manual ... Explore the design and calculation of various air handling methods on psychrometric chart, and continuously update HANDBOOK.

please visit:

hvacol.com
Follow: X.com/hvacol

.The End.
01-31-2024