GitHub repository: https://github.com/civil-soft-science/CADSees

1-install Visual Studio 2019 and .Net Framework 4.8

2-install ObjectArx SDK version 2021 in C:\OBjectArx

3-insatll boost\_1\_73\_0 in C:\

4-Currently, outputs are created in folder: C:\Program files\CADSees. Since this folder is placed in C:\ drive,

you need to run Visual Studio "as administrator". To neutralize this need, go to project settings (all projects) and change "Linker->General->Output File" to another path.

5-Since CADSees project depends on the outputs of the CSSObjects project, you have to first build this project.

6-After successful building of the projects, run "CADSees\_reg-2021.reg" placed in the root of the repository to add the required entries to the Windows registry. This activates the preferred on-demand loading of the dll files created in "C:\Program files\CADSees" folder.

7-To have AutoCAD automatically load the files, copy the contents of the "test outputs" folder to the path. In this folder, there are also sample OpenSees models (.ops files) you can use for testing the application.

8-After running AutoCAD, create a new drawing and run the "importOPS" command. At the first time, the toolbar placed in the "C:\Program files\CADSees" will be added to the environment and you can invoke the commands from this toolbar in future runs. If CADSees is loaded successfully, you will see the start screen with the "CivilSoftScience" logo.

9-Browse for the ".ops" file containing OpenSees model definition. This file should NOT contain TCL commands. To produce this raw OpenSees model from your TCL scripts, place the "logCommands" command at the beginning of your script to save the raw (no-script) model once you run it.

10-"logCommands" command is added to OpenSees for enhanced use of CADSees and is available in the CSS version of OpenSees downloadable from link below. An OpenSees installer is also provided at this page. Please also see the readMe file provided at this path:

https://drive.google.com/drive/folders/1kMREGdIJY-zqTUqZnUoGjyO0HgPScF6M?usp=sharing)

11-Syntax of the "logCommands" command:

logCommands <-file $fileName [default = commands.ops]>

Note: to load the output file from AutoCAD, it should have .ops extension.