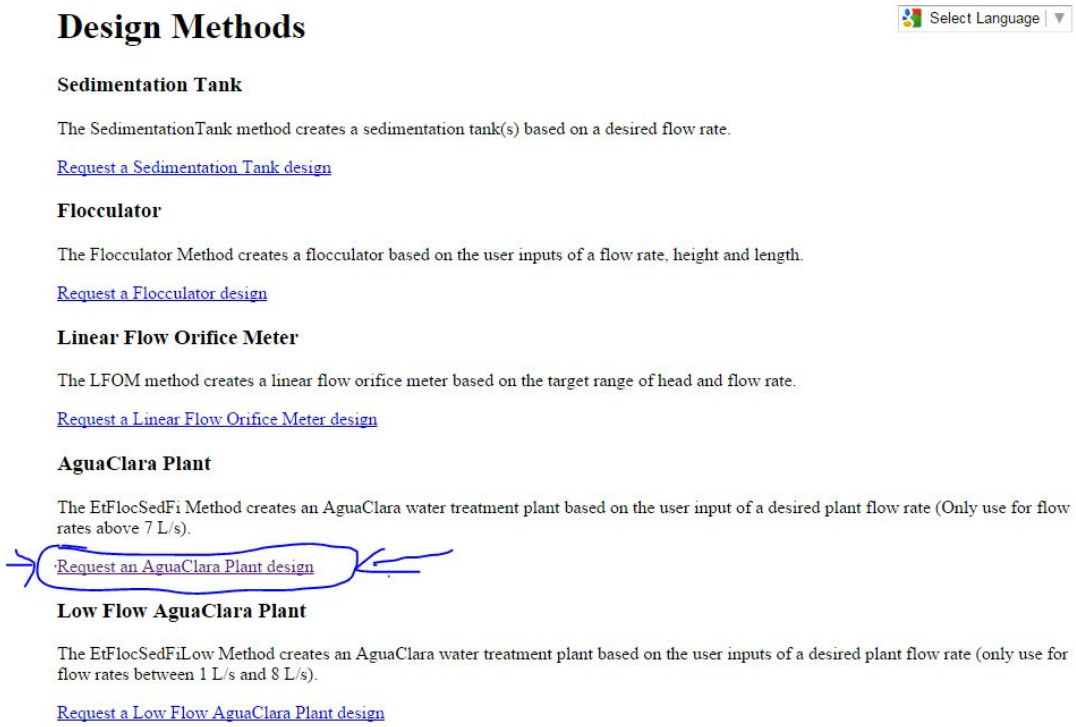
How to Get a Plant Drawing from the Design Server

1. Go to the beta server (http://designbeta.cee.cornell.edu/designs/)
2. Click on the “Request an AguaClara Plant Design”



Design Methods

Select Language

Sedimentation Tank

The SedimentationTank method creates a sedimentation tank(s) based on a desired flow rate.

Request a Sedimentation Tank design

Flocculator

The Flocculator Method creates a flocculator based on the user inputs of a flow rate, height and length.

Request a Flocculator design

Linear Flow Orifice Meter

The LFOM method creates a linear flow orifice meter based on the target range of head and flow rate.

Request a Linear Flow Orifice Meter design

AguaClara Plant

The EtFlocSedFi Method creates an AguaClara water treatment plant based on the user input of a desired plant flow rate (Only use for flow rates above 7 L/s).

Request an AguaClara Plant design

Low Flow AguaClara Plant

The EtFlocSedFiLow Method creates an AguaClara water treatment plant based on the user inputs of a desired plant flow rate (only use for flow rates between 1 L/s and 8 L/s).

Request a Low Flow AguaClara Plant design

3. Pick a plant flow rate from the list on the left.
4. Click on the .dwg file. This should open AutoCAD and display the plant.

The EtFlocSedFi design method was requested on 11/24/2015 4:13:33 AM. The version of Mathcad code used to generate this design was 7275.

The value of Q.Plant was 30.000 L/s.

The value of HL.FlocMax was 0.400 m.

The value of H.SedSlopesToFlocWeirMin was 0.250 m.

The value of T.FlocSlab was 0.150 m.

The value of T.SedWall was 0.165 m.

The value of T.SedDividingWall was 0.165 m.

The value of T.SedChannelWall was 0.165 m.

The value of T.FlocWall was 0.165 m.

The value of T.FlocDividingWall was 0.165 m.

The value of T.FiWall was 0.290 m.

The value of T.FiBoxWall was 0.165 m.

The value of T.PlantWall was 0.165 m.

The value of T.PlantFloor was 0.120 m.

The value of T.ChemSlab was 0.150 m.

The value of T.DrainChannelWall was 0.165 m.

The value of C.CoagDoseMax was 40.000 mg/L.

The value of C.ChlorDoseAve was 1.000 mg/L.

- About.html
- EtFlocSedFi English.docx
- EtFlocSedFi English.pdf
- EtFlocSedFi Spanish.docx
- EtFlocSedFi Spanish.pdf
- EtFlocSedFi.dwg
- EtFlocSedFi.txt

5. Once in AutoCAD, use the shademode command to adjust how your plant is displayed. Usually, conceptual is the best view.
6. Now, click the publish button under the file tab. This should create a pdf of the plant.
8. Open the pdf. Use the snipping tool to snip a picture of the plant and use in your document.
9. Alternatively, instead of publishing as a pdf, go to the layout tab in AutoCAD.
10. Double click inside the layout space to adjust zoom and view. Save this and use the snipping tool to snip a picture of the plant.