Working with the VIVA BLADE Railing System
*****When adjusting type properties it will update all of the family/system instances of the same type on that project. If customizing a certain instance, duplicate the type to separate it from the other types.*

Wire Mesh and Perforated Infill Panels
1. If not using Wire Mesh or Perforated infill panels proceed to 'Adjusting Panel Widths' below
2. In each template file there are railing systems preset up with Wire Mesh and Perforated infill panels
3. Select the railing style with the correct mounting option for your project
    a. Core
    b. Fascia
    c. Floor
4. Open type properties
5. On Baluster Placement parameter click 'Edit'
6. Locate 'Infill Panel' row under Main pattern setting
7. Select the dropdown for 'Baluster Family' in the 'Infill Panel' row
8. Select requested wire mesh or perforated family type
9. Select Ok to exit Baluster Placement dialog
10. Select Ok to exit type properties
11. Visually verify railing for infill pattern
    a. If not showing you may need to link material images, proceed to next step
    b. If showing correctly jump to 'Adjusting Panel Widths' below
12. Locate Infill Panel Family in the project browser under Railings
    a. Baluster-Panel-VIVA-Perforated
    b. Baluster-Panel-VIVA-Wire Mesh
13. Open requested family type
14. Select the Material link for 'Texture' to open the material dialogue box
15. Select the 'Appearance' tab at the top
16. Click the image link for any missing images
    a. Note some materials contain both a Cutout image and a Relief Pattern image
17. Locate the material folder that was included with the VIVA template file
18. Click Open and Revit will link the corresponding material image
19. Repeat steps 16-18 for any other needed images
20. Select 'OK' to exit the material dialogue
21. Select 'OK' to exit the type properties
22. Visually verify railing infill pattern
    a. In shaded or hidden line views you will see a surface pattern
    b. In realistic or raytrace view you will see the actual linked images
23. Adjust the panel as described below as needed

Adjusting Panel Widths
1. Divide total length of railing segment by the number of panels you would like to use. This is the pattern length.
    a. Max is 4' OC
2. Open type properties
3. On Baluster Placement parameter click 'Edit'
4. If you are using a system with a handrail you will see two families in the main pattern
    a. Baluster-VIVA-Post-Blade : Post-Blade

       b.   Railings-Viva-Blade-Infill : Cable Railing

5. Divide the pattern length (from step 1) by 2.
6. Put the number in the distance from previous field for the infill panel and pattern end.
7. Pattern Length should show number calculated in step 1
8. Select Ok to exit Baluster Placement dialog
9. Select Ok to exit type properties
10. Locate Infill Panel Family in the project browser under Railings
11. Double click type to open type properties
12. Locate the 'Width' parameter
13. Enter pattern length into the Width field
14. Select Ok
15. Railing panels should appear correct to your custom installation
16. Visually verify all components line up and are spaced appropriately