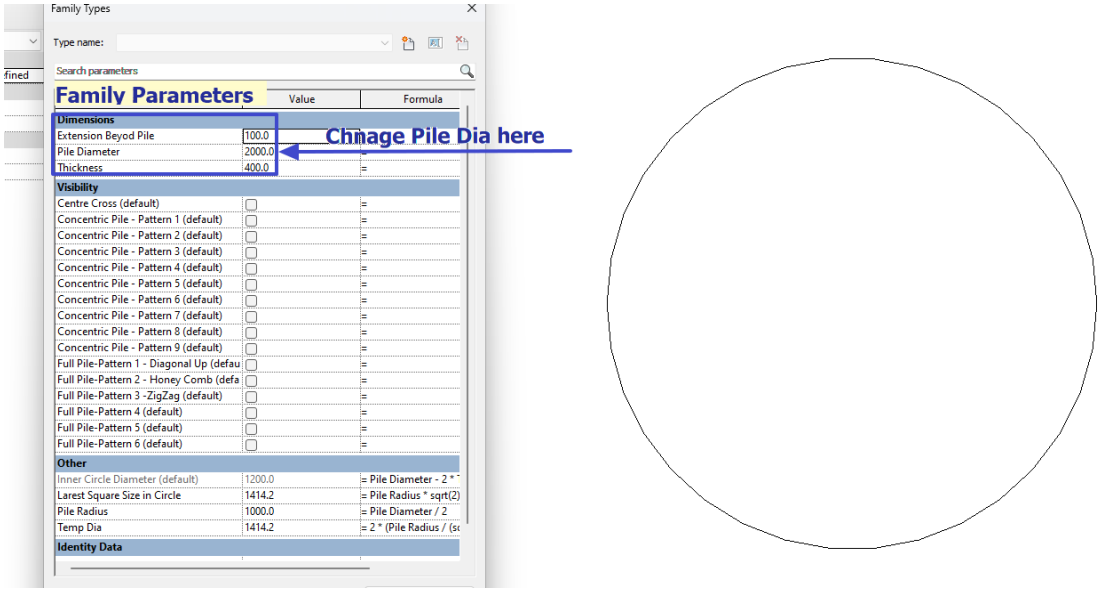
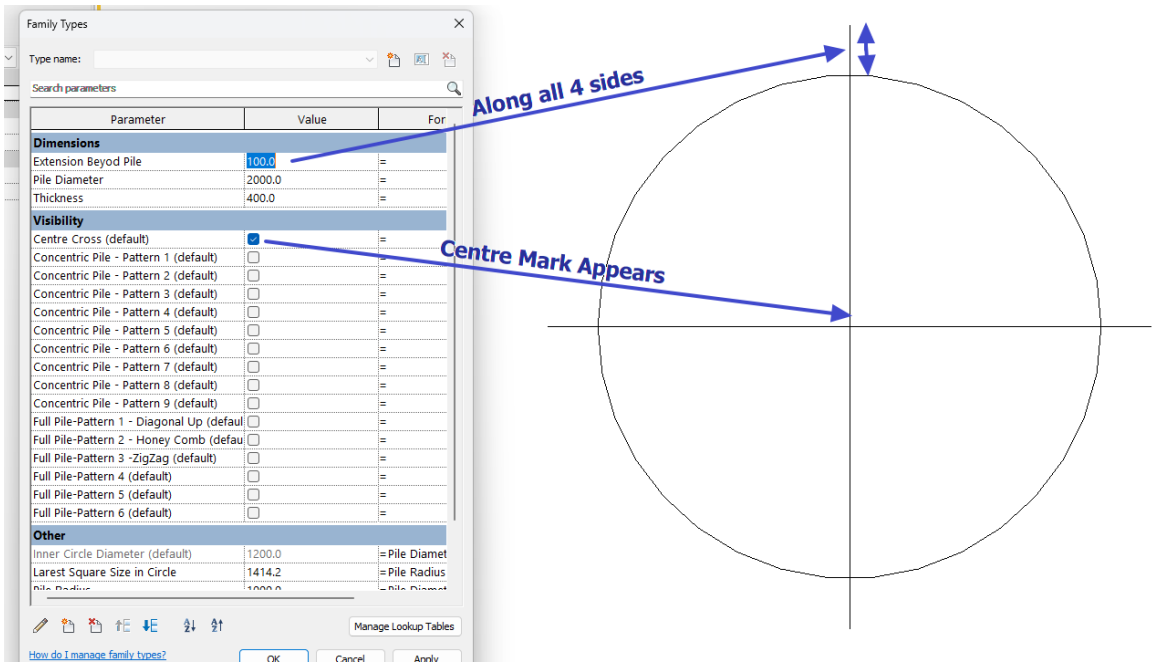
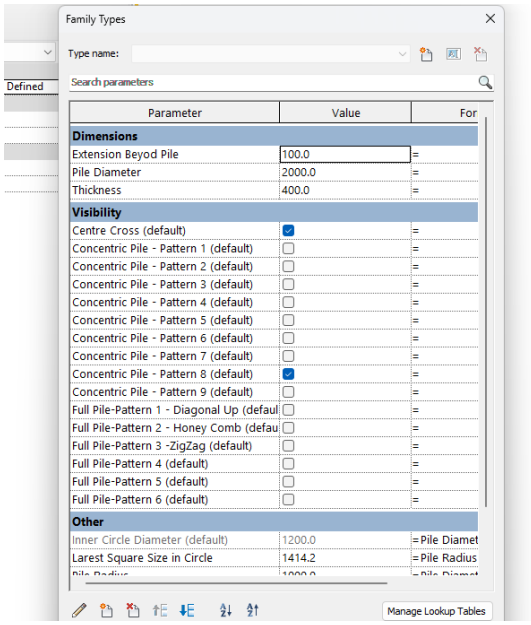
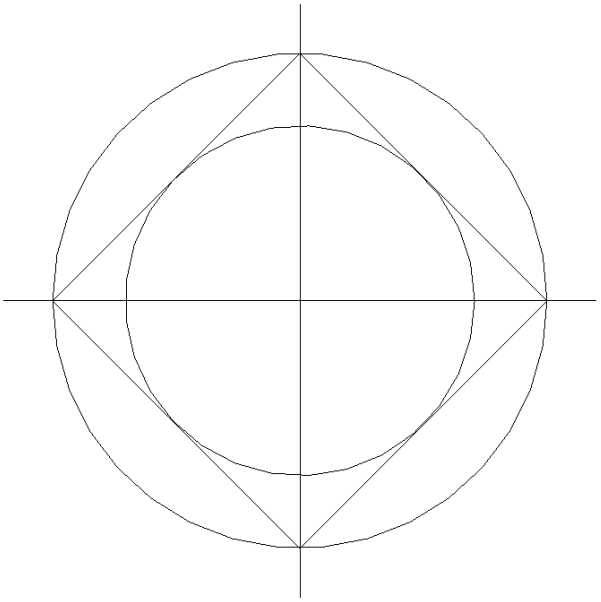
Pile 2D Symbol Family

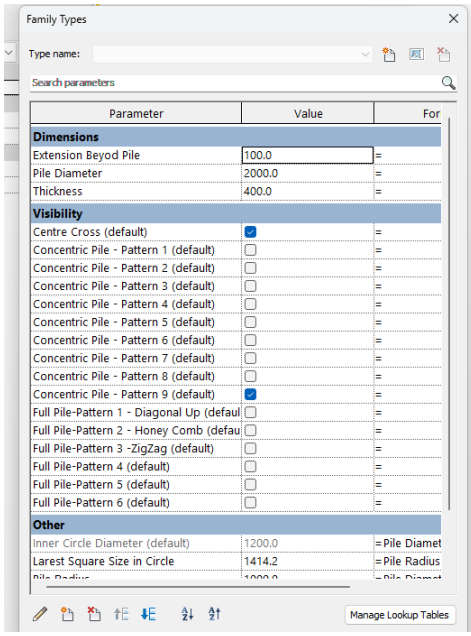


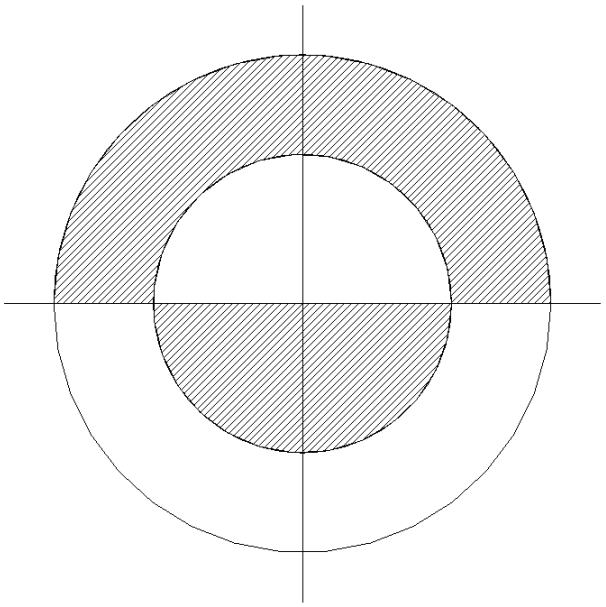


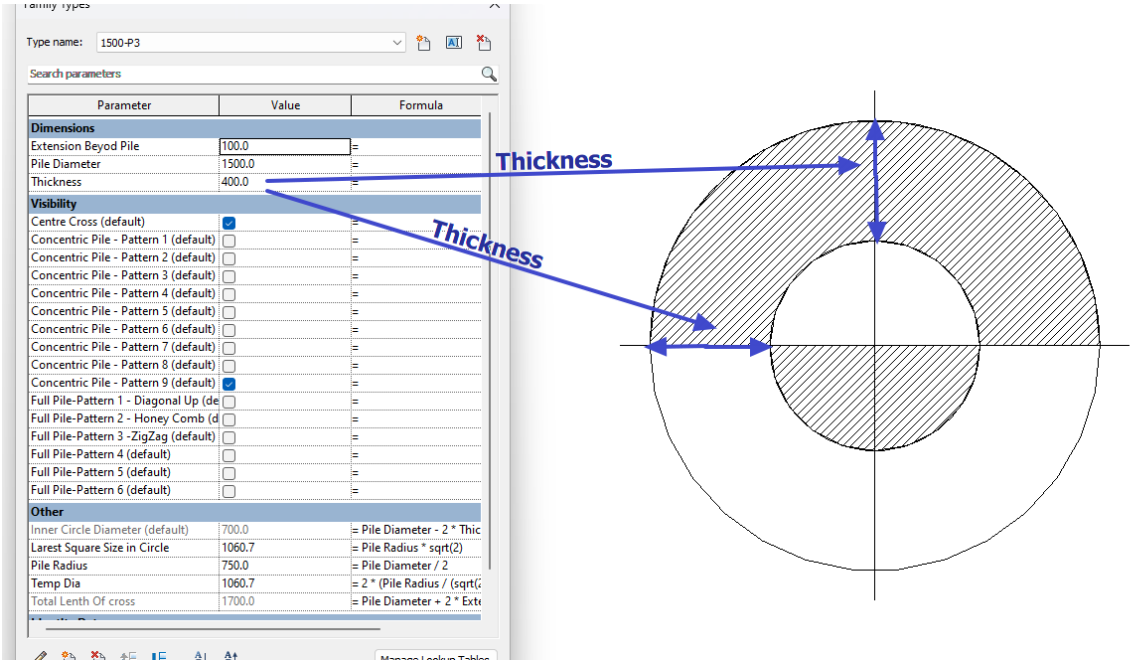
Use Different Pattern

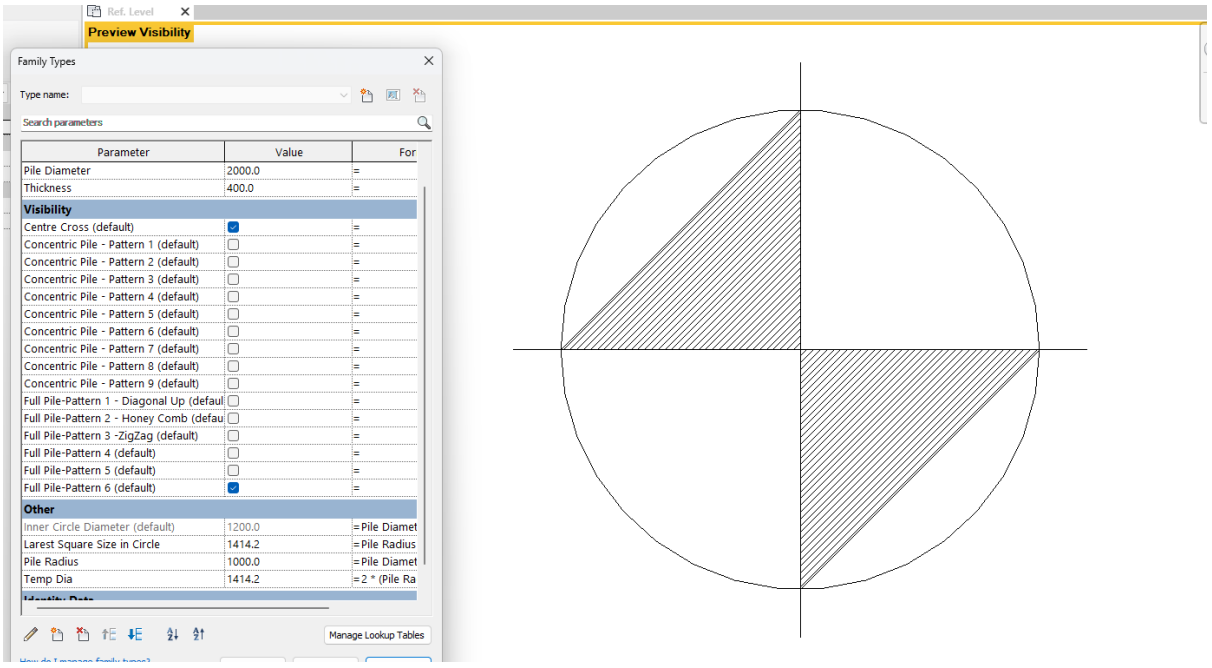

Family Types
Type name:
Search parameters
Parameter
Value
For
Dimensions
Extension Beyod Pile
100.0
=
Pile Diameter
2000.0
=
Thickness
400.0
=
Visibility
Centre Cross (default)
Concentric Pile - Pattern 1 (default)
Concentric Pile - Pattern 2 (default)
Concentric Pile - Pattern 3 (default)
Concentric Pile - Pattern 4 (default)
Concentric Pile - Pattern 5 (default)
Concentric Pile - Pattern 6 (default)
Concentric Pile - Pattern 7 (default)
Concentric Pile - Pattern 8 (default)
Concentric Pile - Pattern 9 (default)
Full Pile-Pattern 1 - Diagonal Up (defaul
Full Pile-Pattern 2 - Honey Comb (defau
Full Pile-Pattern 3 -ZigZag (default)
Full Pile-Pattern 4 (default)
Full Pile-Pattern 5 (default)
Full Pile-Pattern 6 (default)
Other
Inner Circle Diameter (default)
1200.0
=Pile Diamet
Larest Square Size in Circle
1414.2
=Pile Radius
Manage Lookup Tables

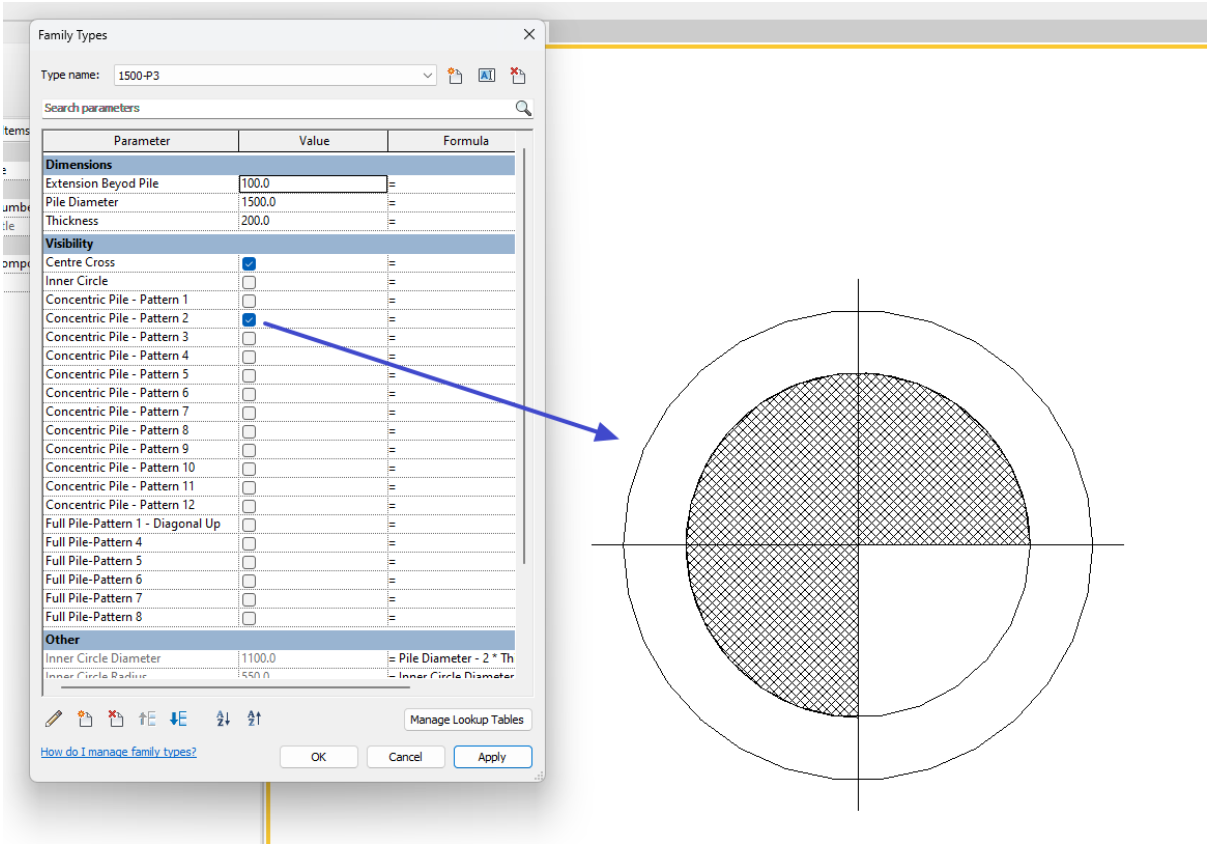



Family Types
Type name:
Search parameters
Parameter
Value
For
Dimensions
Extension Beyod Pile
100.0
=
Pile Diameter
2000.0
=
Thickness
400.0
=
Visibility
Centre Cross (default)
Concentric Pile - Pattern 1 (default)
Concentric Pile - Pattern 2 (default)
Concentric Pile - Pattern 3 (default)
Concentric Pile - Pattern 4 (default)
Concentric Pile - Pattern 5 (default)
Concentric Pile - Pattern 6 (default)
Concentric Pile - Pattern 7 (default)
Concentric Pile - Pattern 8 (default)
Concentric Pile - Pattern 9 (default)
Full Pile-Pattern 1 - Diagonal Up (defaul
Full Pile-Pattern 2 - Honey Comb (defau
Full Pile-Pattern 3 -ZigZag (default)
Full Pile-Pattern 4 (default)
Full Pile-Pattern 5 (default)
Full Pile-Pattern 6 (default)
Other
Inner Circle Diameter (default)
1200.0
=Pile Diamet
Larest Square Size in Circle
1414.2
=Pile Radius
Manage Lookup Tables




Type name: 1500-P3
Search parameters
Parameter | Value | Formula
Dimensions
Extension Beyod Pile | 100.0 | =
Pile Diameter | 1500.0 | =
Thickness | 400.0 | =
Visibility
Centre Cross (default)
Concentric Pile - Pattern 1 (default)
Concentric Pile - Pattern 2 (default)
Concentric Pile - Pattern 3 (default)
Concentric Pile - Pattern 4 (default)
Concentric Pile - Pattern 5 (default)
Concentric Pile - Pattern 6 (default)
Concentric Pile - Pattern 7 (default)
Concentric Pile - Pattern 8 (default)
Concentric Pile - Pattern 9 (default)
Full Pile-Pattern 1 - Diagonal Up (de
Full Pile-Pattern 2 - Honey Comb (d
Full Pile-Pattern 3 -ZigZag (default)
Full Pile-Pattern 4 (default)
Full Pile-Pattern 5 (default)
Full Pile-Pattern 6 (default)
Other
Inner Circle Diameter (default) | 700.0 | = Pile Diameter - 2 * Thic
Larest Square Size in Circle | 1060.7 | = Pile Radius * sqrt(2)
Pile Radius | 750.0 | = Pile Diameter / 2
Temp Dia | 1060.7 | = 2 * (Pile Radius / (sqrt(
Total Lenth Of cross | 1700.0 | = Pile Diameter + 2 * Exte
Thickness
Thickness


Ref. Level
Preview Visibility
Family Types
Type name:
Search parameters
Parameter | Value | For
Pile Diameter | 2000.0 | =
Thickness | 400.0 | =
Visibility
Centre Cross (default)
Concentric Pile - Pattern 1 (default)
Concentric Pile - Pattern 2 (default)
Concentric Pile - Pattern 3 (default)
Concentric Pile - Pattern 4 (default)
Concentric Pile - Pattern 5 (default)
Concentric Pile - Pattern 6 (default)
Concentric Pile - Pattern 7 (default)
Concentric Pile - Pattern 8 (default)
Concentric Pile - Pattern 9 (default)
Full Pile-Pattern 1 - Diagonal Up (defaul
Full Pile-Pattern 2 - Honey Comb (defau
Full Pile-Pattern 3 -ZigZag (default)
Full Pile-Pattern 4 (default)
Full Pile-Pattern 5 (default)
Full Pile-Pattern 6 (default)
Other
Inner Circle Diameter (default) | 1200.0 | = Pile Diamet
Larest Square Size in Circle | 1414.2 | = Pile Radius
Pile Radius | 1000.0 | = Pile Diamet
Temp Dia | 1414.2 | = 2 * (Pile Ra
Manage Lookup Tables

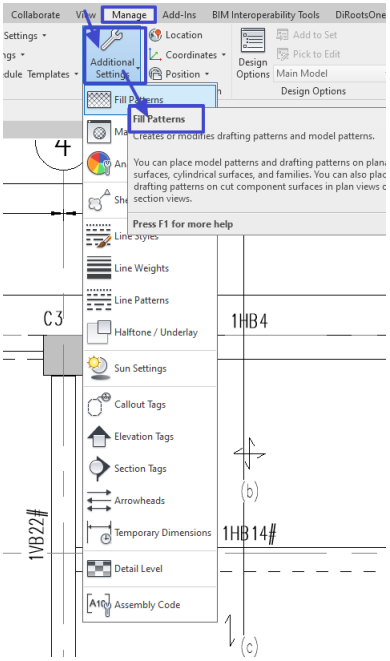


Things to consider:

1) The Hatch pattern used in Family is "**<u>Diagonal CrossHatch</u>**"

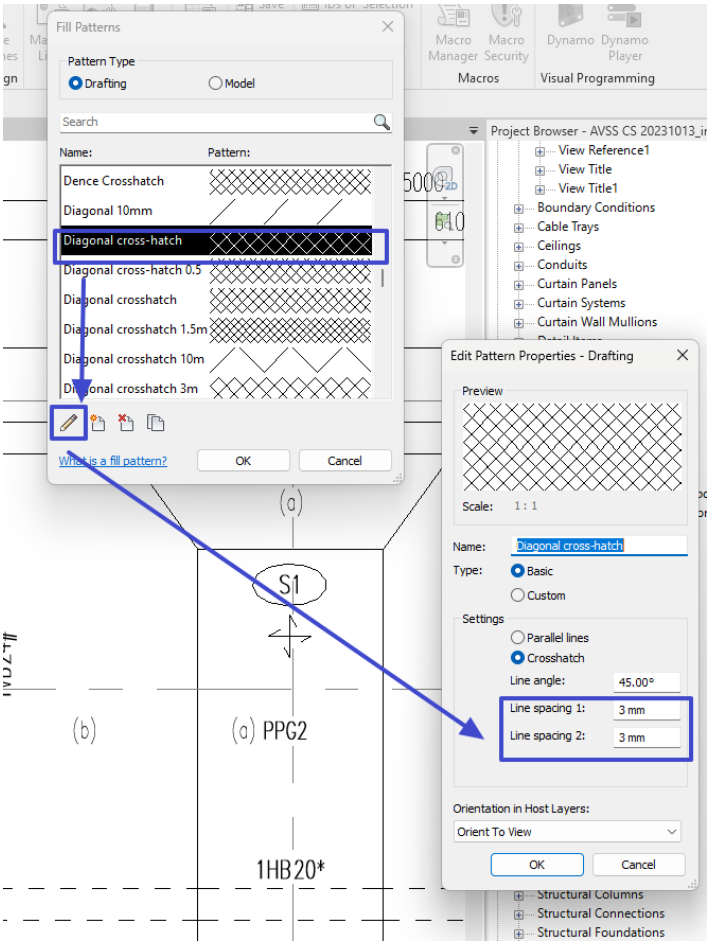
If you want to change it, change the family

2) When you load family into the Revit, you may notice no hatch. Don't Panic
Follow below steps:
   a) Go to Manage>Additional Setting>Fill Pattern



b) Search for same hatch "**<u>Diagonal CrossHatch</u>**" (the one you use in Family)

c) Adjust the Line Spacing as shown



You can use this family to create as many types of Pile Symbol as you want with different pile size and pattern.