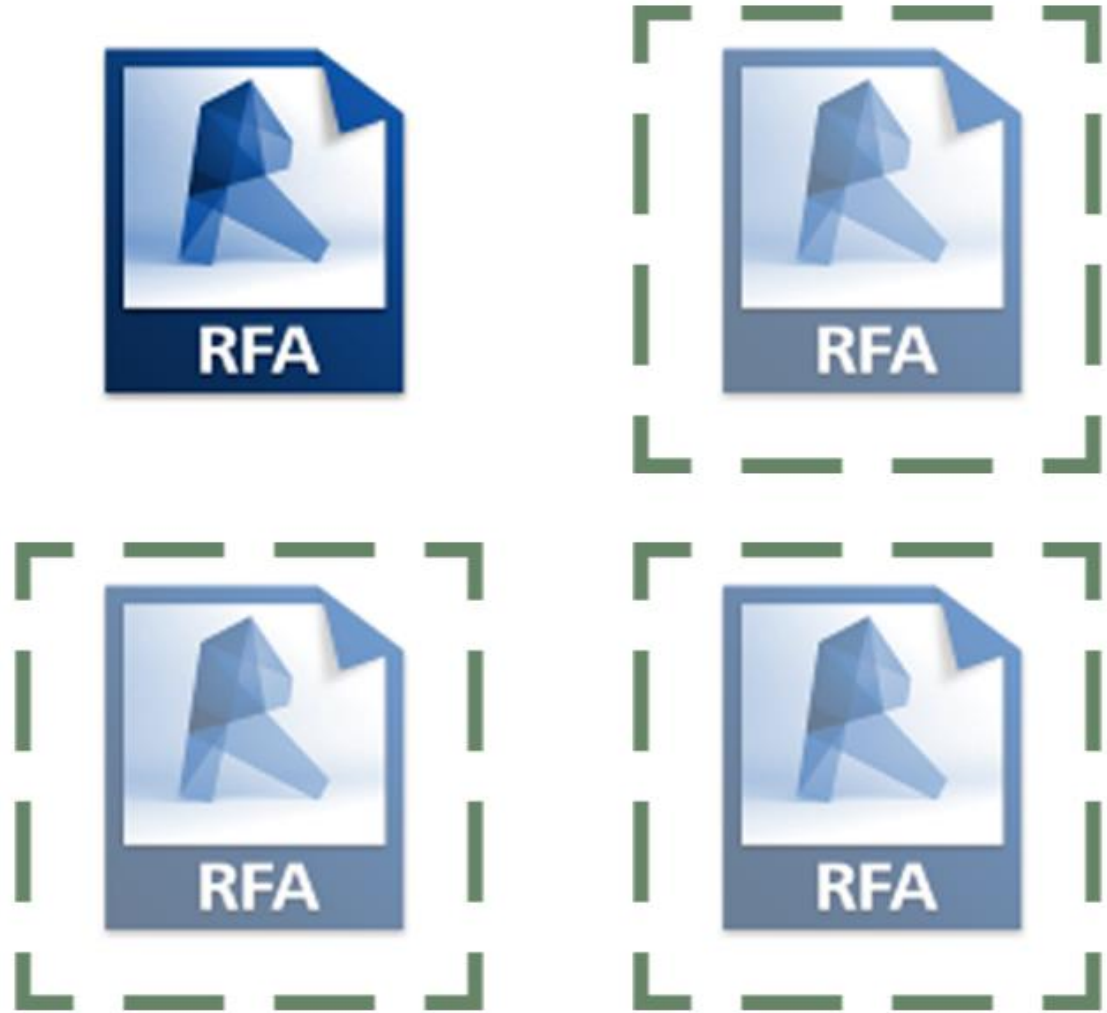
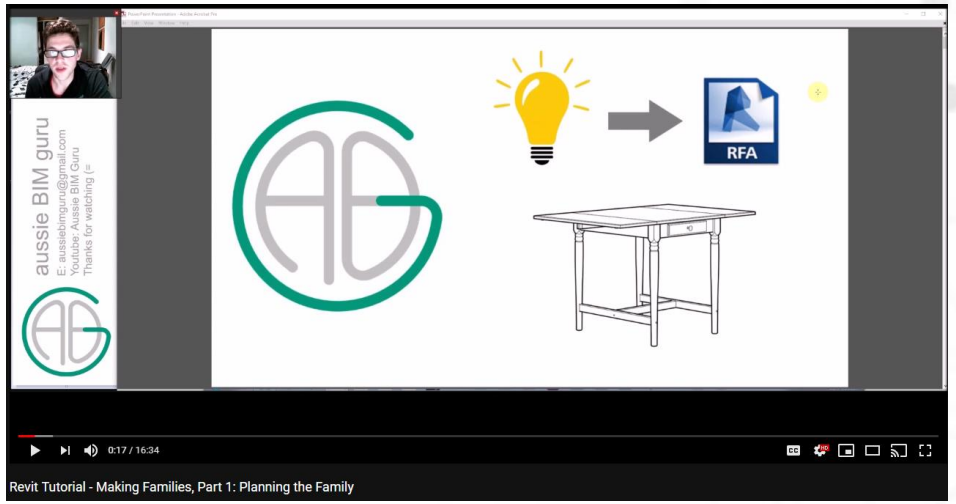

RFA
RFA
RFA
RFA

Previous Videos



Revit Tutorial - Making Families, **Part 1: Planning the Family**
Revit Tutorial - Making Families, **Part 2: Geometry & Constraints**
Revit Tutorial - Making Families, **Part 3: Adding Parameters**
Revit Tutorial - Making Families, **Part 4: Graphics/Final Touches**

aussie BIM guru

Parametric Arrays

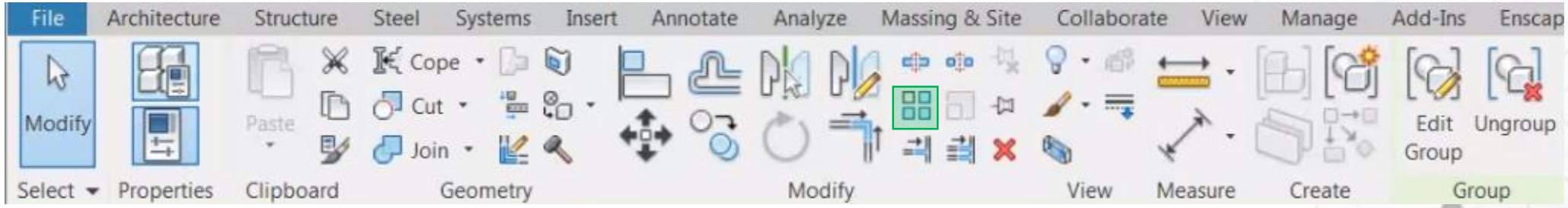
Revit Content Creation

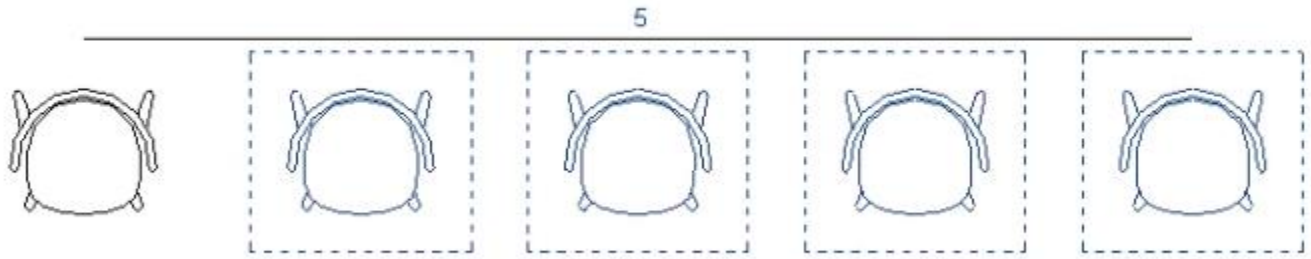
Advanced technique

aussie BIM guru

The Array Tool

Used to create a repeated element in a line or circle of a set count and spacing





aussie BIM guru

Golden Rule

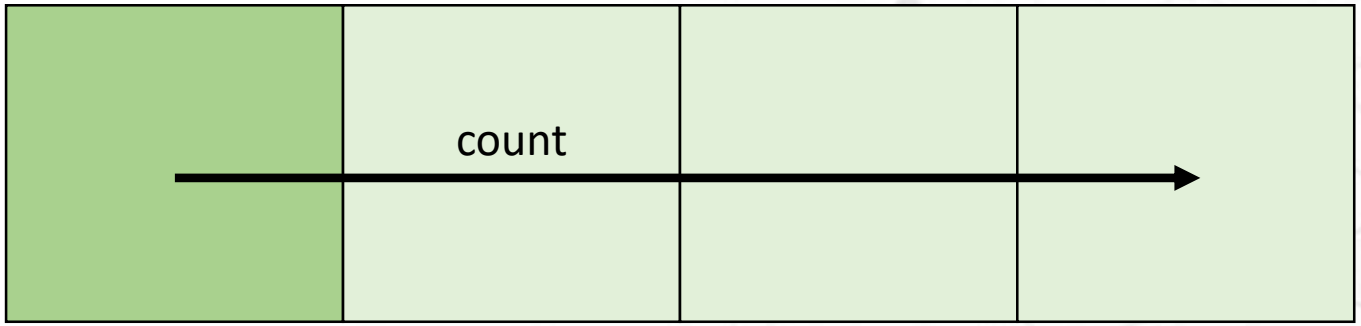
If you are arraying parametric elements;

Avoid creating arrays of **native geometry**, use **nested components** wherever possible

aussie BIM guru

Methods Type 1a

Fixed Module
User defined count
Length is consequential



aussie BIM guru

Applications

Rows of elements of end to end elements

Locker banks

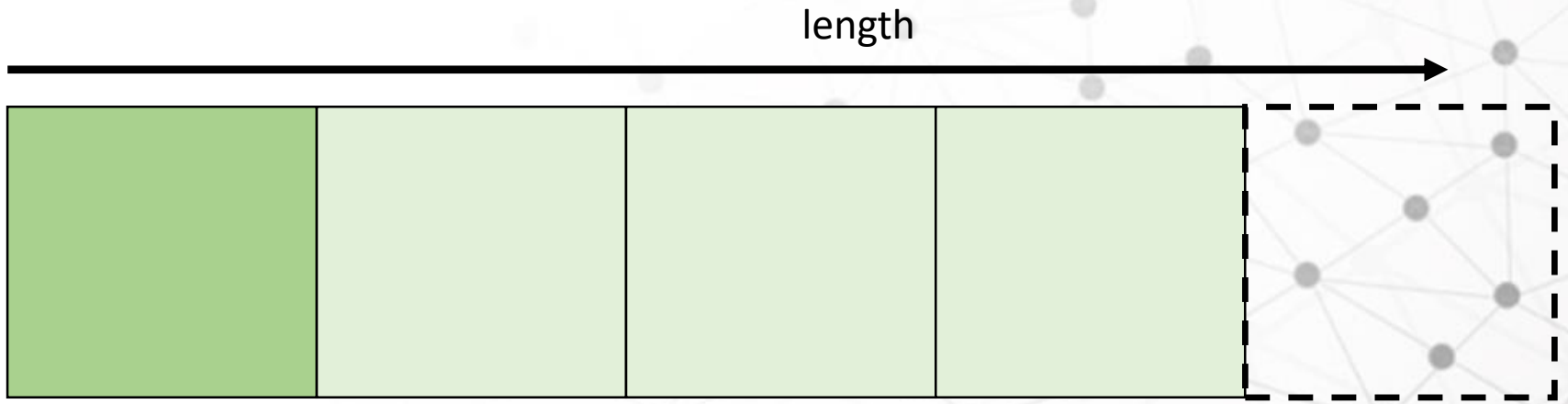
Bike racks

Parking rows

Etc.

Methods Type 1b

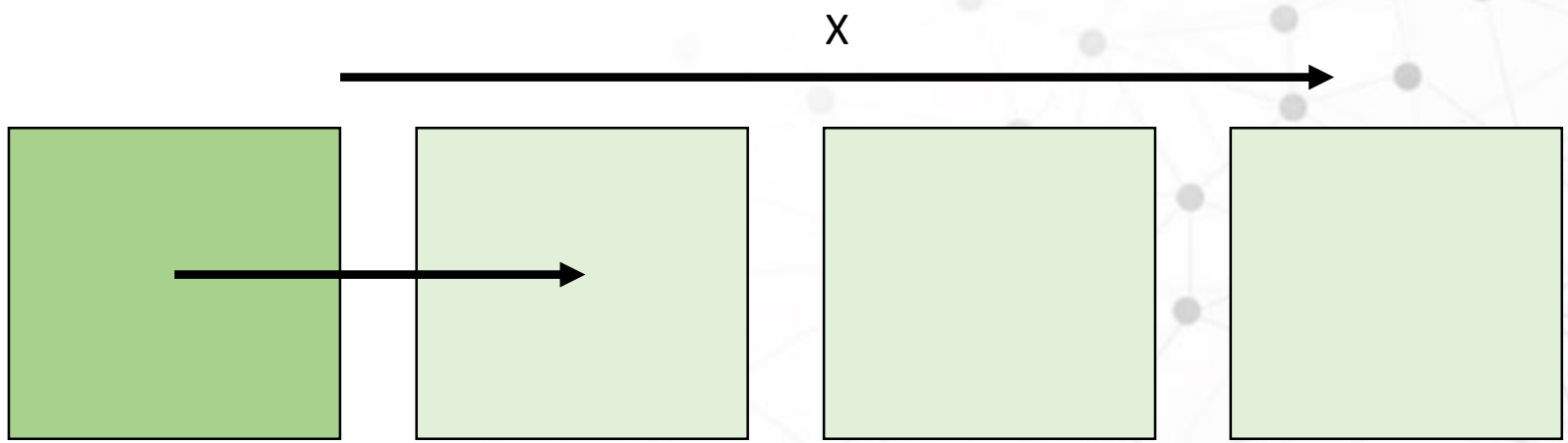
Fixed Module
User defined length
Count to provide max possible



aussie BIM guru

Methods Type 2

Flexibly spaced module
User defined count
Length is consequential



aussie BIM guru

Applications

Rows of elements spaced apart

Sink banks

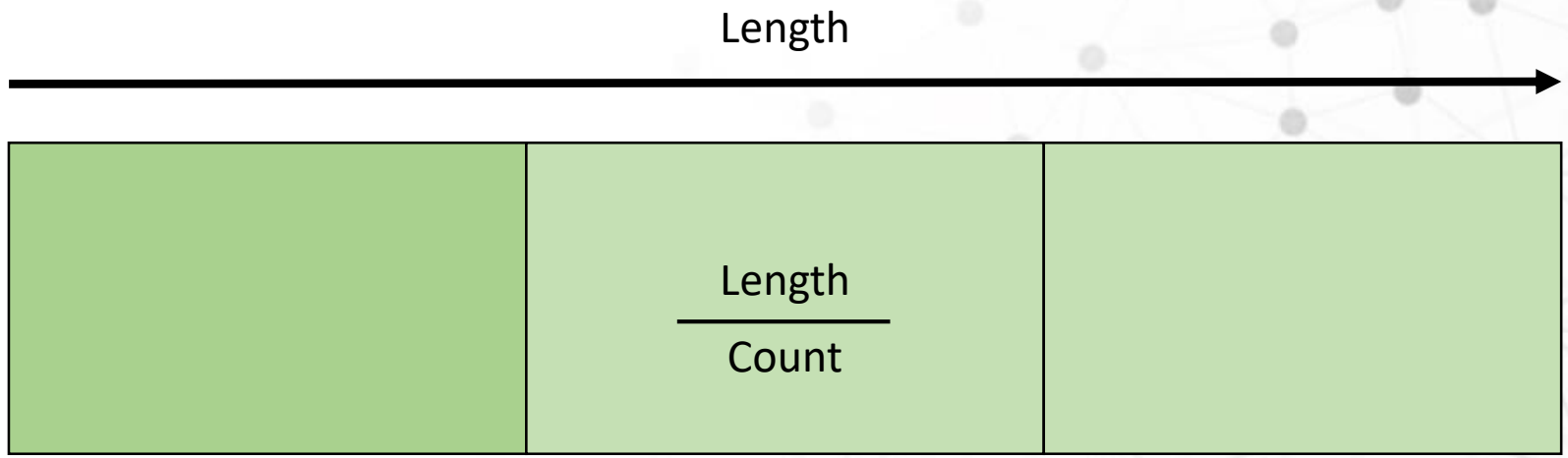
Urinals

Hook rows

Etc.

Methods Type 3

User defined count
User defined length
Module stretched to fill



aussie BIM guru

Applications

Rows of elements together of flexible width

Toilet cubicles

Shower cubicles

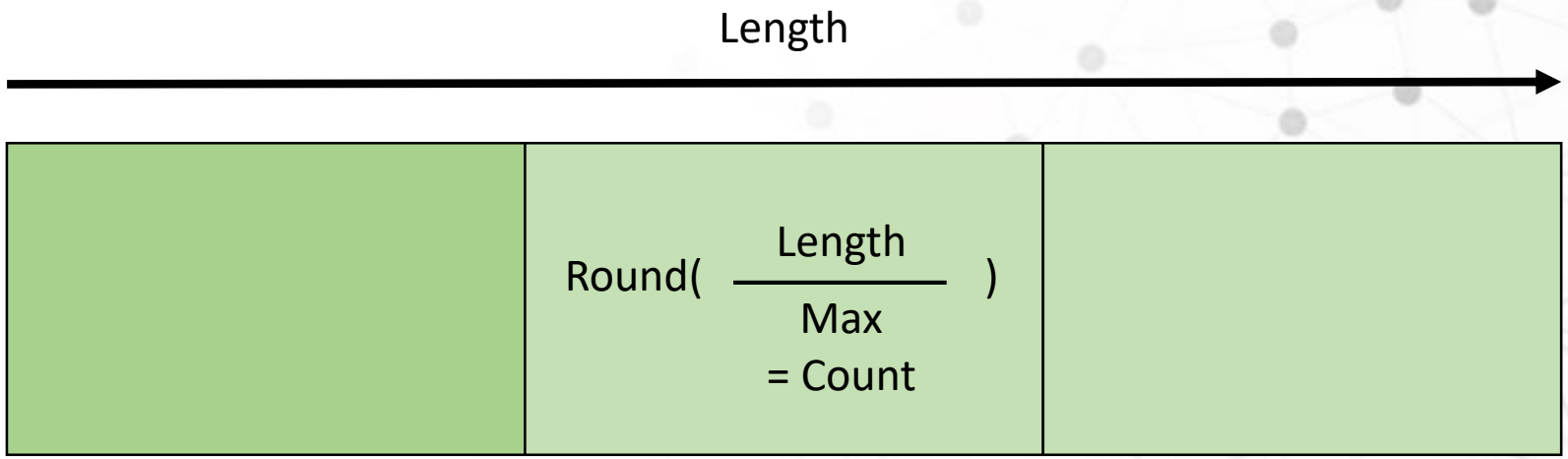
Equal spaced Cabinetry

Equal spaced Shelving/Drawers

Etc.

Methods Type 4

User defined length
Module stretched to fill
Count determined by maximum module width



aussie BIM guru

Applications

Rows of elements together of flexible width
With maximum allowable/desired size

Same as previous, but with maximized count

Toilet cubicles

Etc.

aussie BIM guru

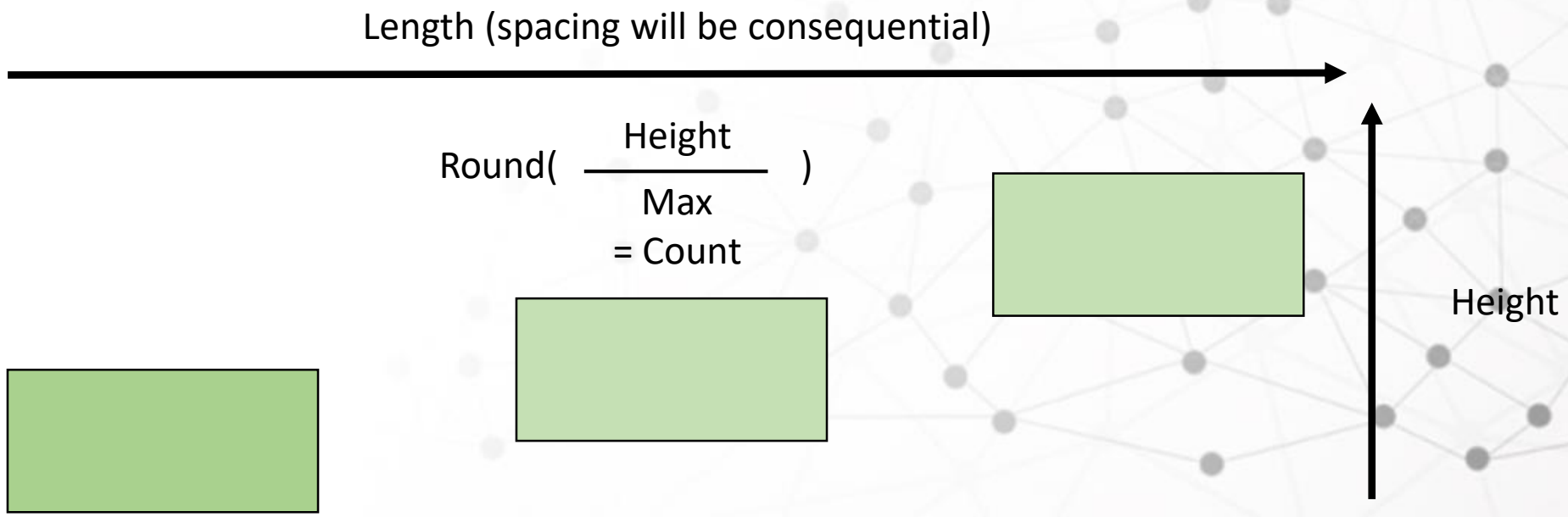
Important to Note

All of these can be applied in Z direction as well as X/Y plane array – same techniques

aussie BIM guru

Methods Type 5

User defined height/depth (angle)
Module stretched to fill
Count determined by maximum module width



aussie BIM guru

Applications

Elements arrayed in 2 directions

Step ladders

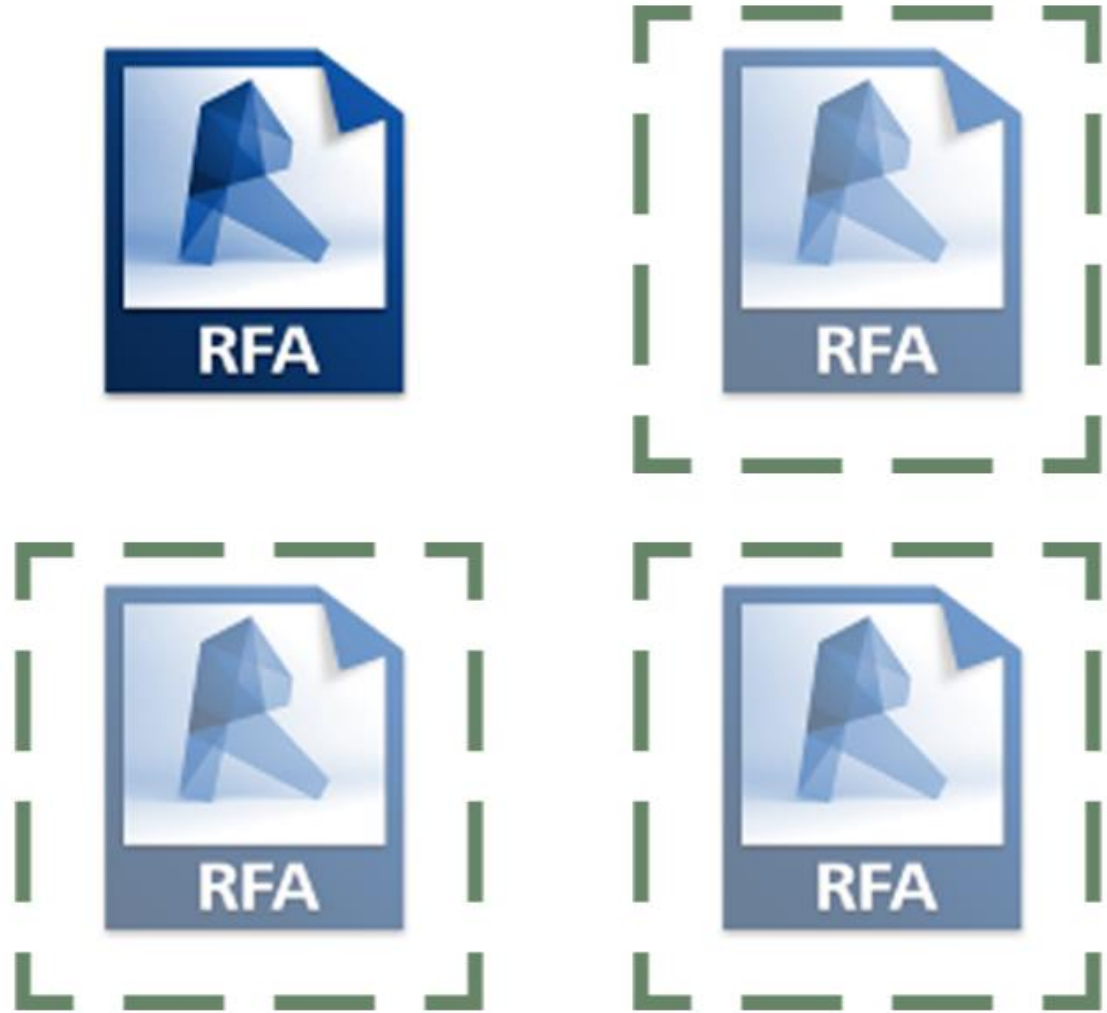
Banked retaining elements

Etc.

Practice

Makes Perfect!

aussie BIM guru


RFA
RFA
RFA
RFA