

Content Creation

Part 1 – Planning it out



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This session may seem basic
But it's where most
people will fail!



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Failing to plan
Is planning to Fail!



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Sessions

1. Planning it out
2. Reference planes, geometry and constraints
3. Parameter, formulae and coding
4. Graphical settings and final touches

Advanced techniques

- Parametric arrays
- Lookup tables
- Etc.



See it as this...

1. Method
2. Framework
3. System
4. Polish



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Which Category – If 2D

Metric Detail Item
Metric Detail Item Line Based
2D + Model scale

Metric Generic Annotation
2D + Paper scale
or
Metric Generic Tag etc.



3D Hosting Methodology

Standard (Level Based) – most families
NB does not cut host

Face Based (Ceiling, floor, wall)

Host Based (e.g. Door)



Which Category

should the family & template be?

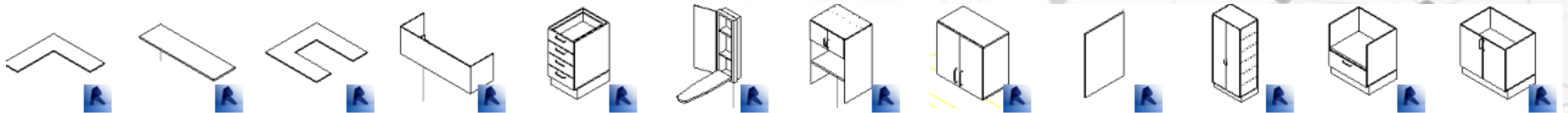
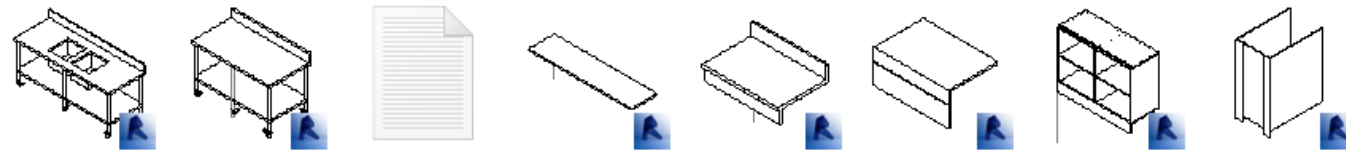


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Ambiguous Categories

Casework

Benches, Cabinetry, cubicles, joinery
maybe stainless steel
NB: Can be shown cut

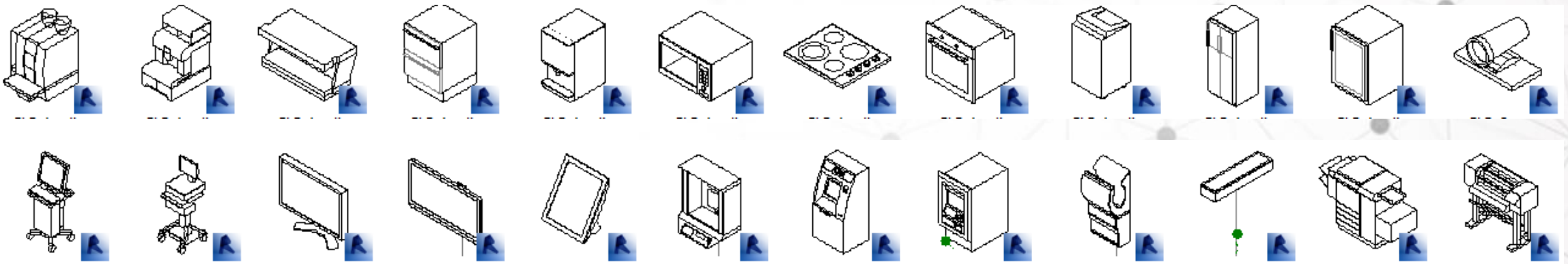


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Ambiguous Categories

Electrical Equipment

Electrically powered equipment
or Specialty Equipment



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Ambiguous Categories

Electrical Fixtures

Power points, light switches, readers etc.
maybe Data also (easier to swap/copy)



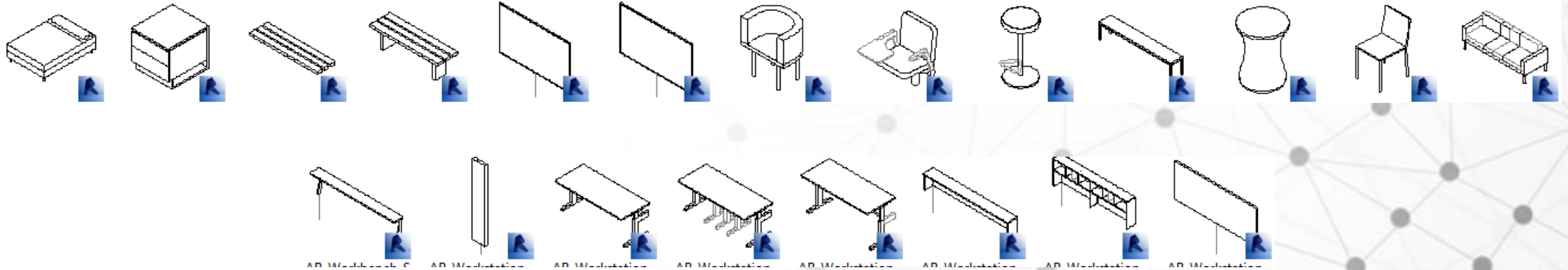
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Ambiguous Categories

Furniture

Chairs, tables, desks, beds etc.
(Typically loose)

NB projected, not cut

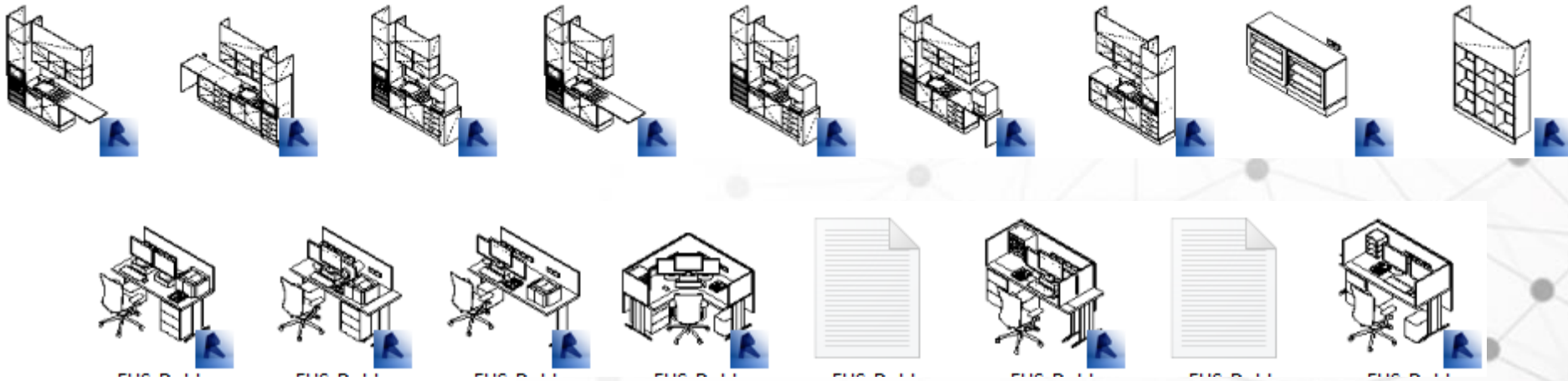


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Ambiguous Categories

Furniture Systems

Can skip over this, or use for assemblies
or Generic Models



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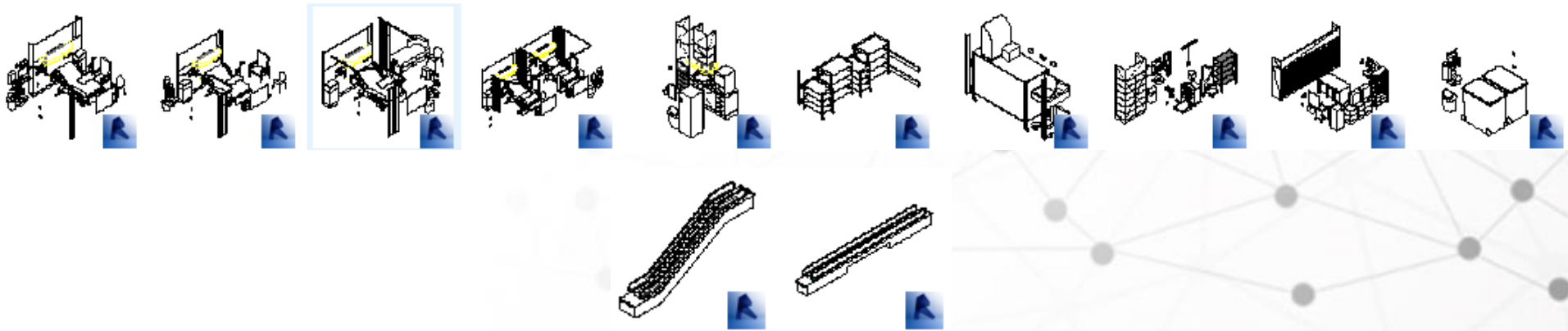
Ambiguous Categories

Generic Models

Very generic elements such as risers

Assemblies and rooms

NB: Can be shown cut



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Ambiguous Categories

Plumbing Fixtures

Typically hydraulically serviced
Sinks, taps, toilets, showers etc.



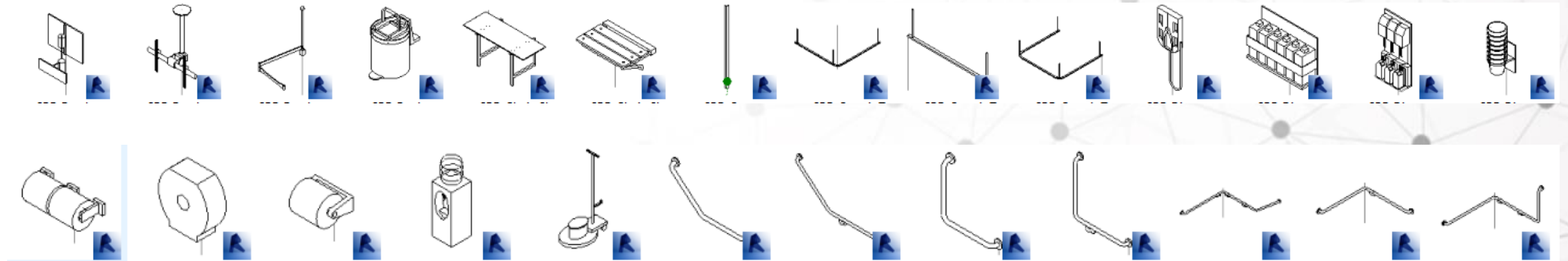
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Ambiguous Categories

Specialty Equipment

Typically misc. equipment w/o servicing
or You can use this for all equipment

NB projected, not cut



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Which Category – If 3D

When in doubt
Metric Generic Model

You can always change the category later
(But not the hosting methodology)



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Planning the Family

(This part happens in my head mostly!)



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Part 1

Finding reference material

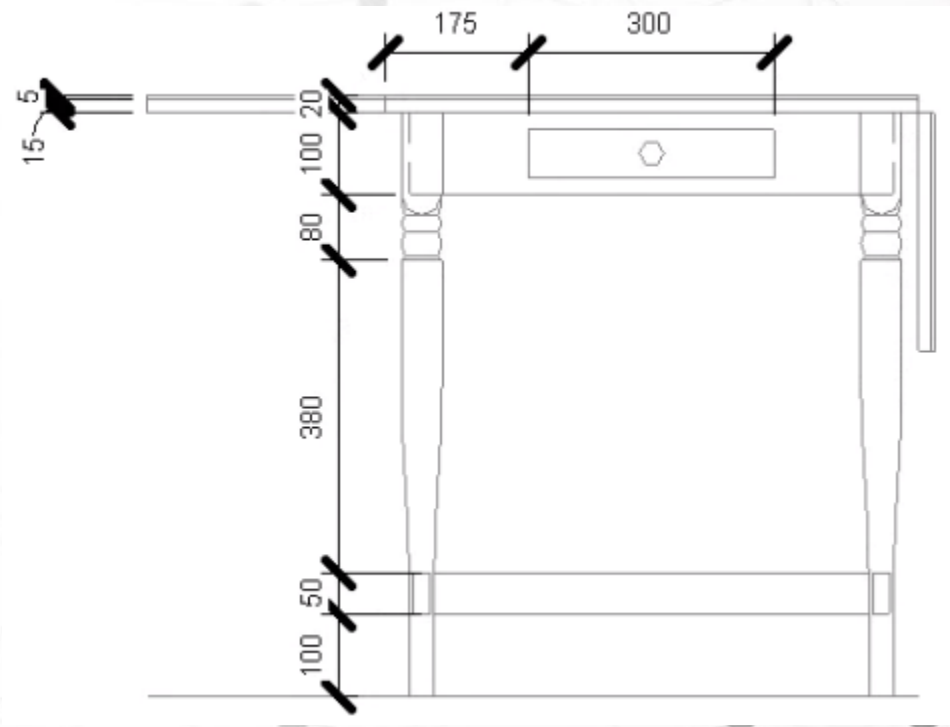
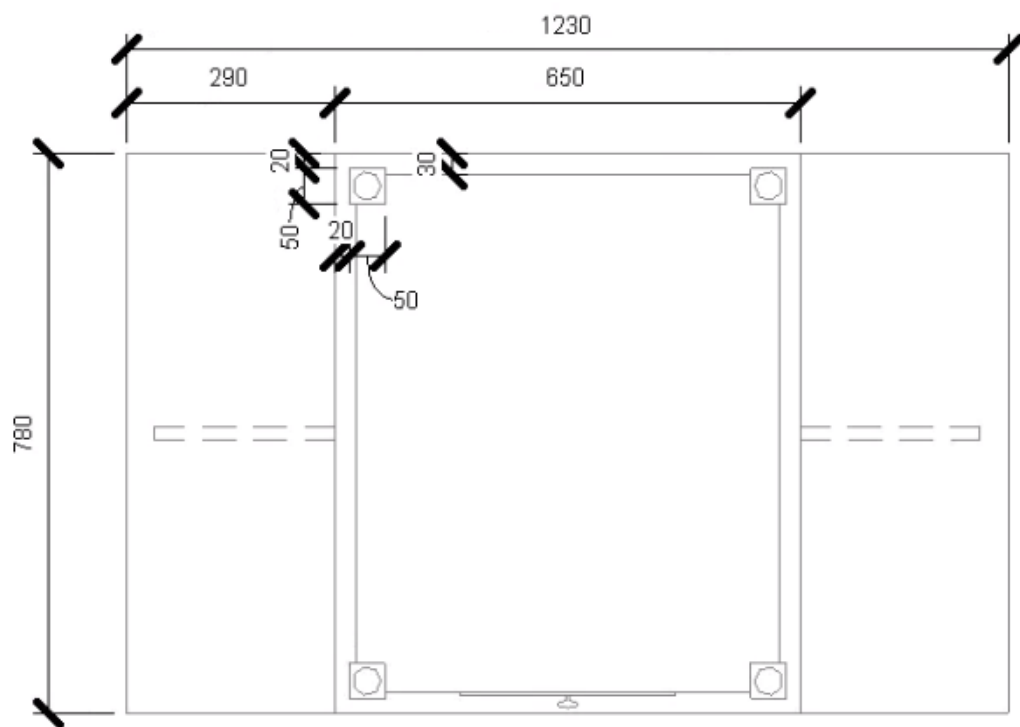


Reference Product
Ingatrop Drop leaf table
Manufacturer: Ikea



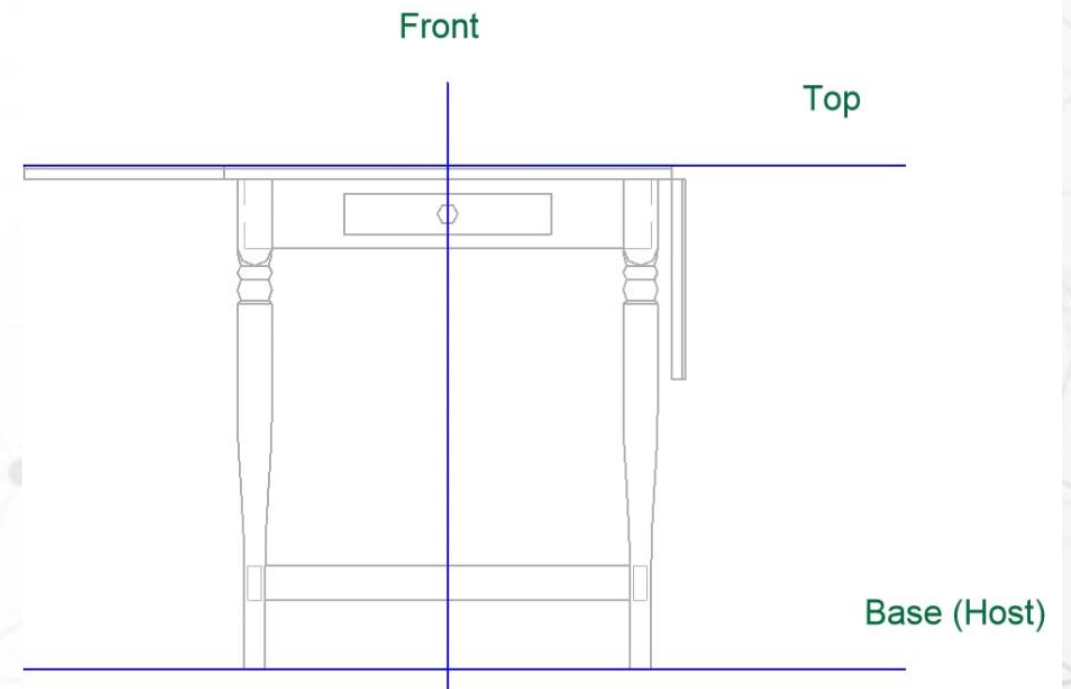
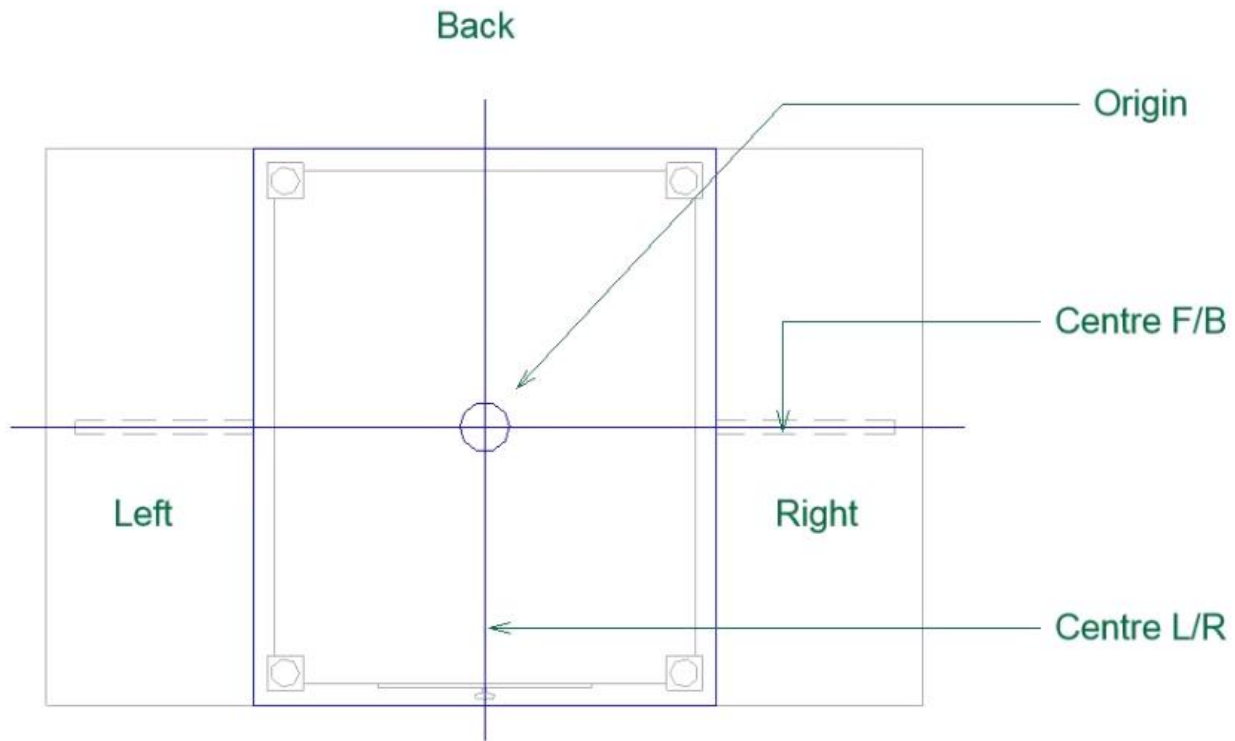
Part 2

Establishing dimensions/sizes



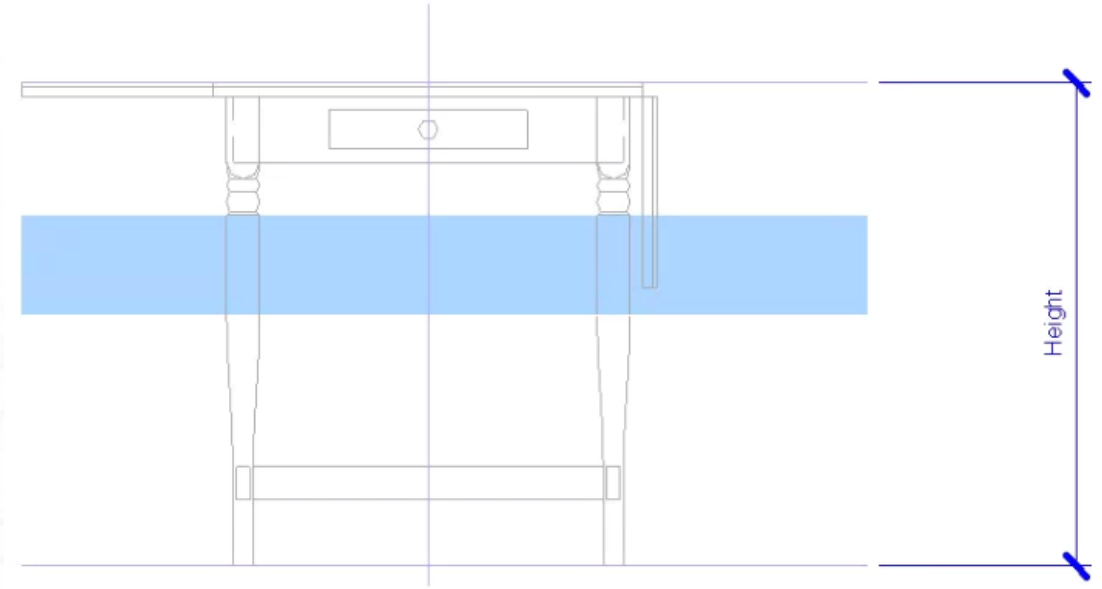
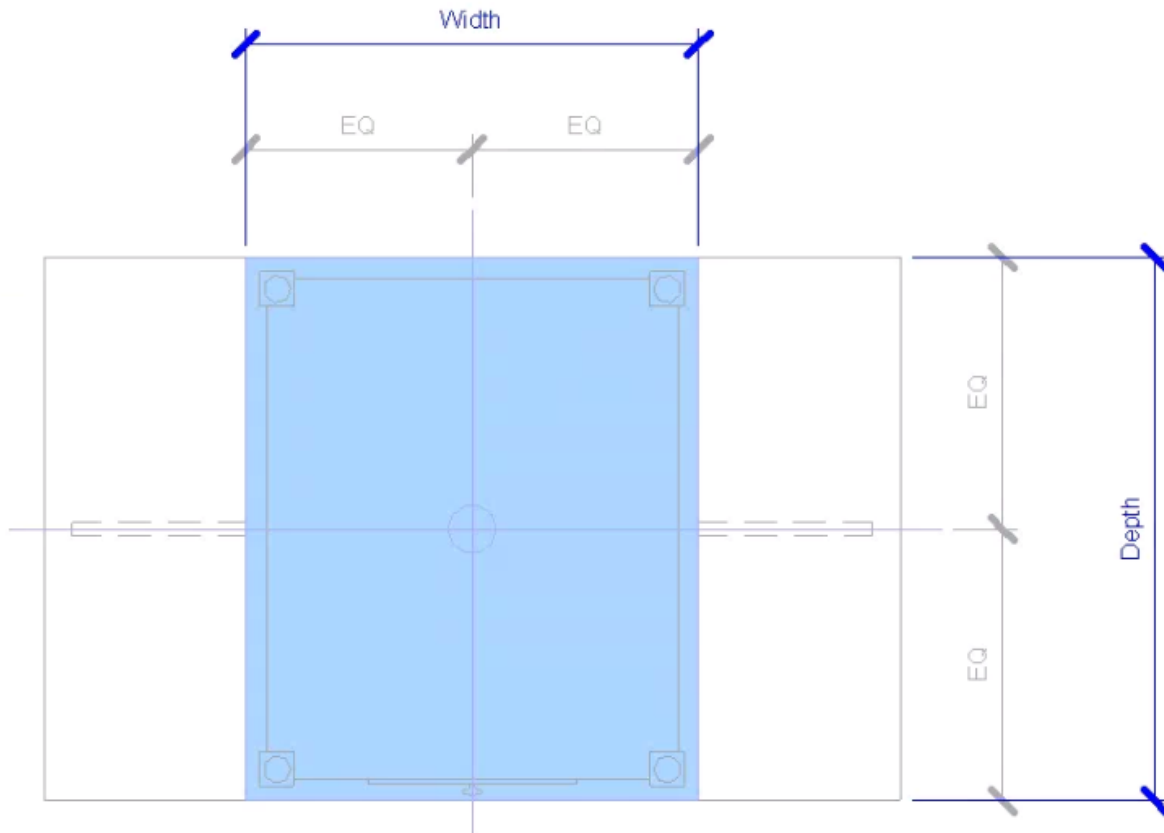
Part 3

Identifying constraints (major)



Part 4

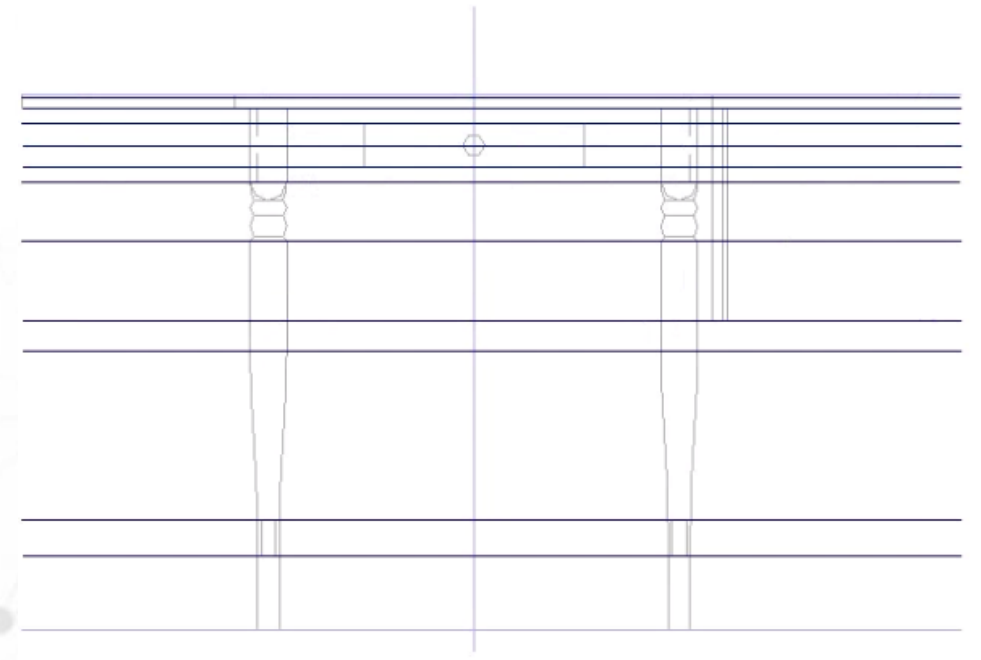
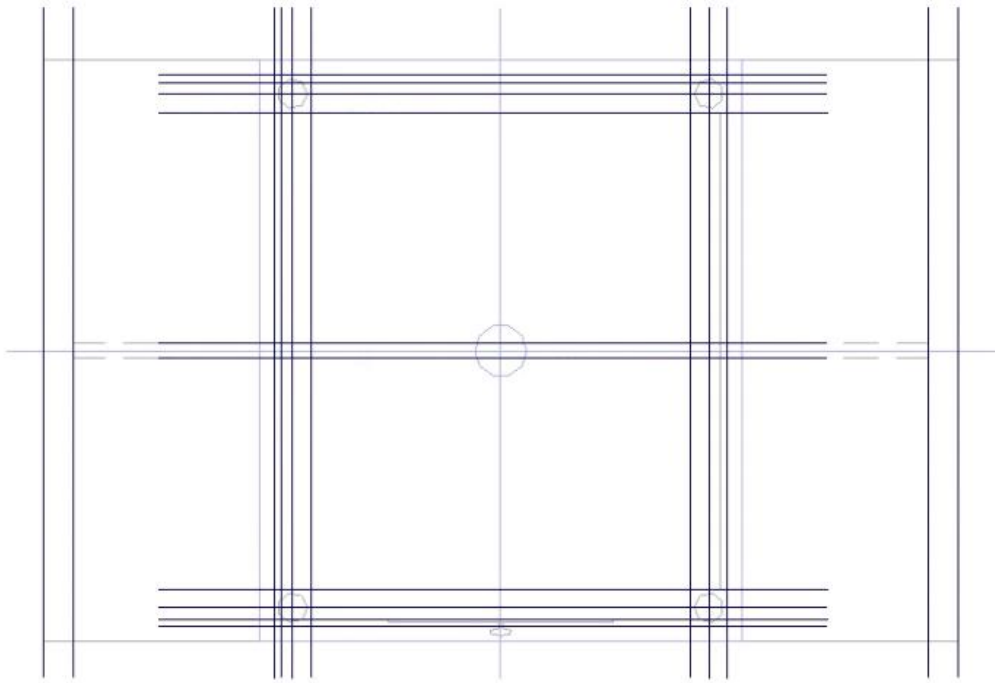
Identifying parameters (major)



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Part 5

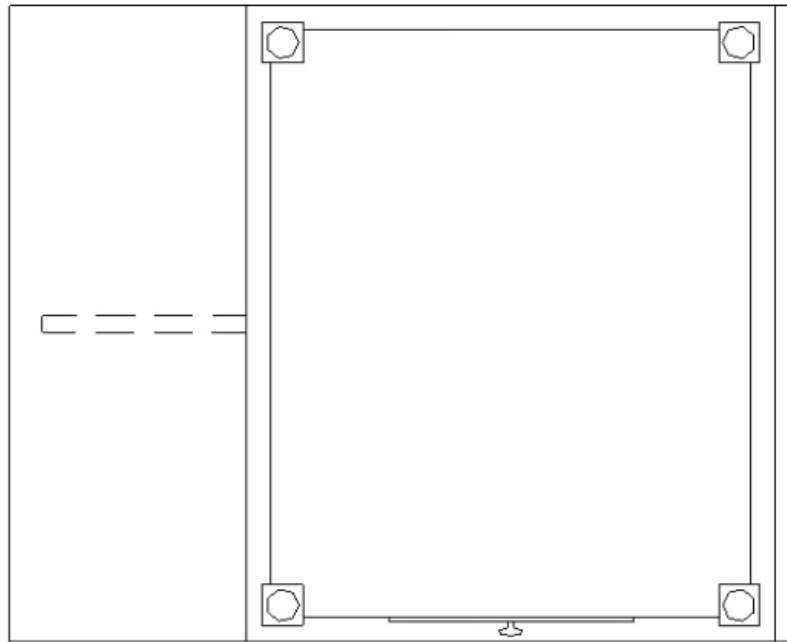
Identifying constraints (minor)



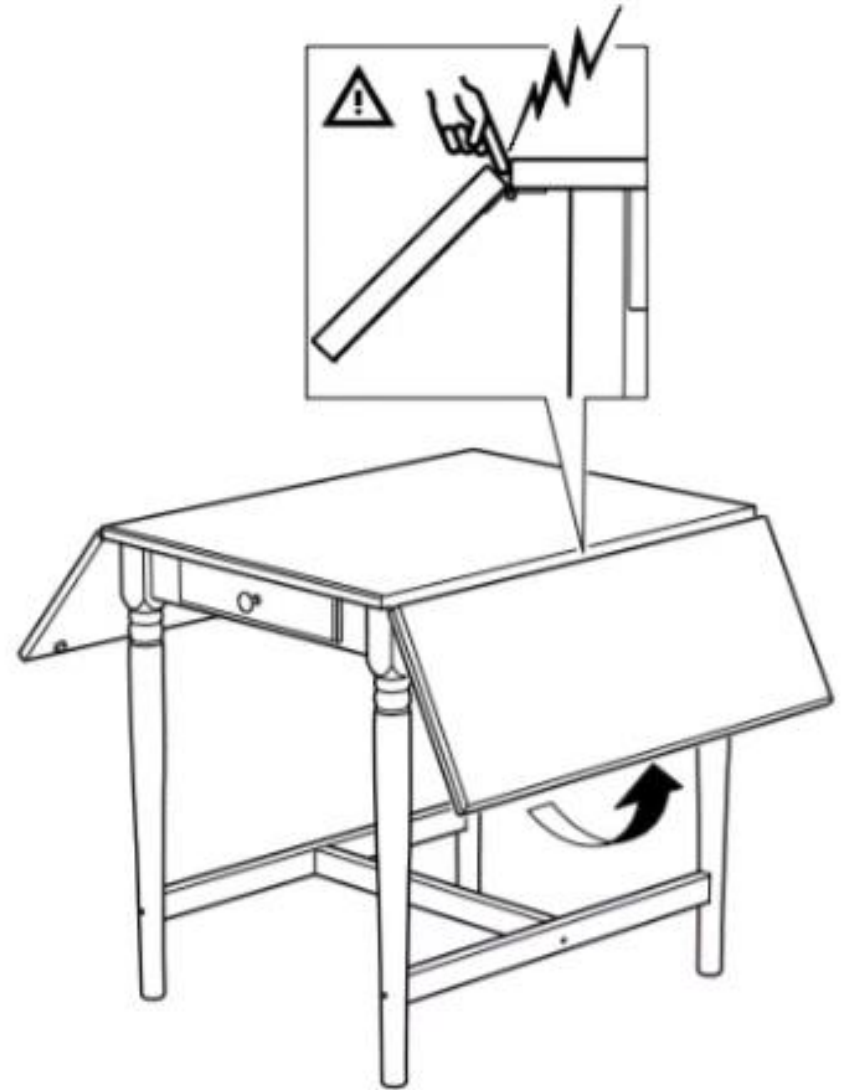
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Part 6 Anything special?

Option 1



Option 2



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