

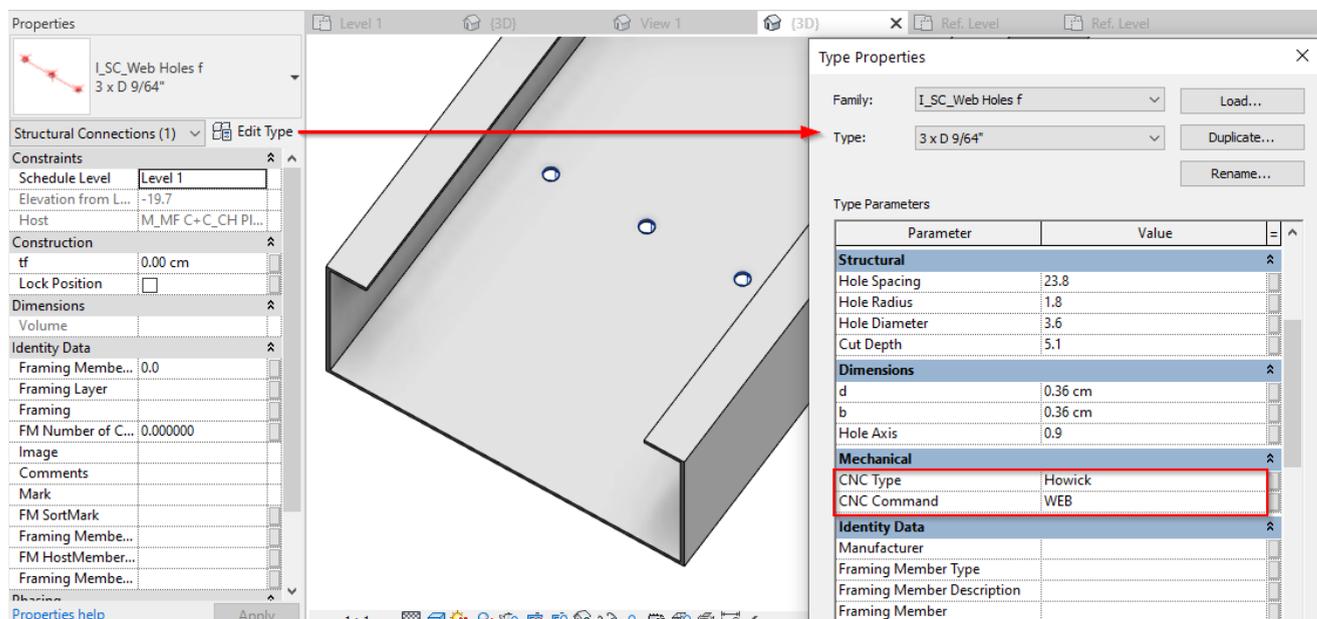
# ADJUST DETAIL FAMILIES FOR EXPORT

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**CNC Metal Exporter** analyses the frame and automatically adds needed commands (SWAGE, DIMPLE, NOTCH, LIP CUT etc) to the exported file, but you can also add different detail families to the frame, which can then be used in CNC export.

Such families can be added manually to the frame or distributed automatically according to the rules with **Metal Framing Wall+** (<https://agacad.com/products/bim-solutions/metal-framing-wall/overview>), **Metal Framing Floor+** (<https://agacad.com/products/bim-solutions/metal-framing-floor/overview>), **Metal Framing Roof+** (<https://agacad.com/products/bim-solutions/metal-framing-roof-panel-frame/overview>), **Cut Opening** (<https://agacad.com/products/bim-solutions/cut-opening/overview>), or **Smart Connections** (<https://agacad.com/products/bim-solutions/smart-connections/overview>).

Below are mandatory type parameters which must be entered in the family:



**CNC Type** – write CNC machine name where the family will be used during the export. For example, if you use a Royal C.N.C. machine, then the **CNC Type** = **RoyalAMS\_XL206**.

The correct values may be found at the bottom of configuration file between **CNC\_Type**:

```

44      <CommandCode>NOTCH</CommandCode>
45      <DimensionFromStartEnd>0.063976378</DimensionFromStartEnd>
46      <CommandTolerance>0.003280840</CommandTolerance>
47      <CommandLength>0.157480315</CommandLength>
48      </CncCommandInfo>
49      <CncCommandInfo>
50      <Command>Straight_Cut</Command>
51      <CommandCode></CommandCode>
52      <DimensionFromStartEnd>0</DimensionFromStartEnd>
53      <CommandTolerance>0</CommandTolerance>
54      <CommandLength>0</CommandLength>
55      </CncCommandInfo>
56      </CncCommands>
57      <CNC_Type>HowickV2</CNC_Type>
58      <ExportFileFormat>OneCSVFile</ExportFileFormat>
59      </CncConfig>
60

```

**CNC Command** – write CNC command code name that will be written to the export file.

Here is a list of the **most popular commands** >> (<https://agacad.freshdesk.com/support/solutions/articles/44002138535-most-popular-cnc-commands>).

*Example with an exported file:*

```

1 UNIT,MILLIMETRE
2 VERSION,2.0
3 PROFILE,DEFAULT_PROFILE
4 FRAMESET,W-100,Project Number
5 COMPONENT,BP-1,LABEL_INV,1,1000.00,C,89.00,41.30,1.00,none,0.00,20.65,1000.00,20.65,LIP_CUT,19.50,DIMPLE,20.65,DIMPLE,500.00,LIP_CUT,500.00,DIMP
6 COMPONENT,SBP-1,LABEL_NRM,1,1000.00,C,89.00,41.30,1.00,none,0.00,500.00,1000.00,500.00,LIP_CUT,19.50,NOTCH,19.50,DIMPLE,20.65,Service Hole,260.3
7 COMPONENT,TP-1,LABEL_NRM,1,1000.00,C,89.00,41.30,1.00,none,0.00,979.35,1000.00,979.35,LIP_CUT,19.50,DIMPLE,20.65,DIMPLE,500.00,LIP_CUT,500.00,DI
8 COMPONENT,SS-1,LABEL_NRM,1,998.00,C,89.00,41.30,1.00,none,20.65,1.00,20.65,999.00,DIMPLE,19.65,SWAGE,27.50,WEB,219.65,DIMPLE,499.00,SWAGE,499.00
9 COMPONENT,SS-2,LABEL_INV,1,998.00,C,89.00,41.30,1.00,none,979.35,1.00,979.35,999.00,DIMPLE,19.65,SWAGE,27.50,DIMPLE,499.00,SWAGE,499.00,SWAGE,97
10 COMPONENT,VS-1,LABEL_NRM,1,998.00,C,89.00,41.30,1.00,none,500.00,1.00,500.00,999.00,DIMPLE,19.65,SWAGE,27.50,DIMPLE,499.00,SWAGE,499.00,SWAGE,97
11

```

## Sample families

Here you can find sample families which may be used in your projects: