

## **Drafting Standards**

### **Autodesk Construction Cloud (ACC) and Revit**

All new construction and major renovations shall be designed and built using Revit. Queen's ACC shall be used to host the Revit model and manage the project. Queen's BIM Execution Plan shall be followed on the project. An as-built Revit model shall be submitted to Queen's upon project completion.

### **Adjusting Layers in Queen's AutoCAD University Drawings**

Queen's University has additional layers in their AutoCAD files to assist with managing the campus spaces, if you receive a drawing for use in your projects you can take the following step to eliminate them:

1. Turn all layers on.
2. Make layer 0 current.
3. Turn off layers labeled MINI.
4. Turn off layers labeled with a \$.
5. Copy and paste into a base drawing.

Or

1. Turn all layers on.
2. Make layer 0 current.
3. Isolate layers labeled MINI.
4. Isolate layers labeled with a \$.
5. Erase the content in the drawing on those layers.
6. Purge All.
7. Turn on all layers required.

The Queen's drafting team prints with grayscale, no special plot style is required.

### **Naming Convention**

All Mechanical and Electrical Equipment should follow the naming convention outlined below. The building number may be dropped in certain cases where it is redundant and would only add clutter such as in 3D Revit models and/or 2D construction drawings. As a rule of thumb, the building number may be dropped from CAD files for which the building and/or building number can be easily identified or is specified elsewhere in the file.

Standard Naming Convention:

###\_XX\_#

Building Number

Abbreviation as Outlined Below

Equipment Number in the Specified Building

Naming Convention with Dropped Building Number:

XX\_#

Abbreviation as Outlined Below

Equipment Number in the Specified Building

Mechanical Equipment:

Supply Fan	SF
Return Fan	RF
Exhaust Fan	EF
Fan Coil	FC
Heating Coil	HC
Cooling Coil	CC
Reheat Coil	RHC
Outside Air Damper	OAD
Mixed Air Damper	MAD
Damper	D
Supply Air Damper	SAD
Return Air Damper	RAD
Exhaust Air Damper	EAD
Bypass Air Damper	BAD
Air Handling Unit	AHU
Variable Air Volume	VAV
Heat Exchanger	HE
Boiler	BL
Pump	PU
Chiller	CH
Heat Pump	HP
Cooling Tower	CT

Electrical Equipment:

Medium Voltage Network Switch (5kV)	NS
Isolation Switch (Fused or Non-Fused)	IS
Transformer	TR
600 V (High Voltage) Power Panel in Vault	HPP
208 V (Low Voltage) Power Panel in Vault	LPP
600 V (High Voltage) Distribution Panel	HDP
208 V (Low Voltage) Distribution Panel	LDP
600 V (High Voltage) Panelboard	HP
208 V (Low Voltage) Panelboard	LP
Motor Control Centre	MCC
600 V (High Voltage) Splitter (Panel or Trough)	HSP
208 V (Low Voltage) Splitter (Panel or Trough)	LSP