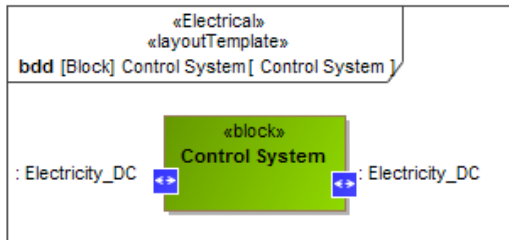


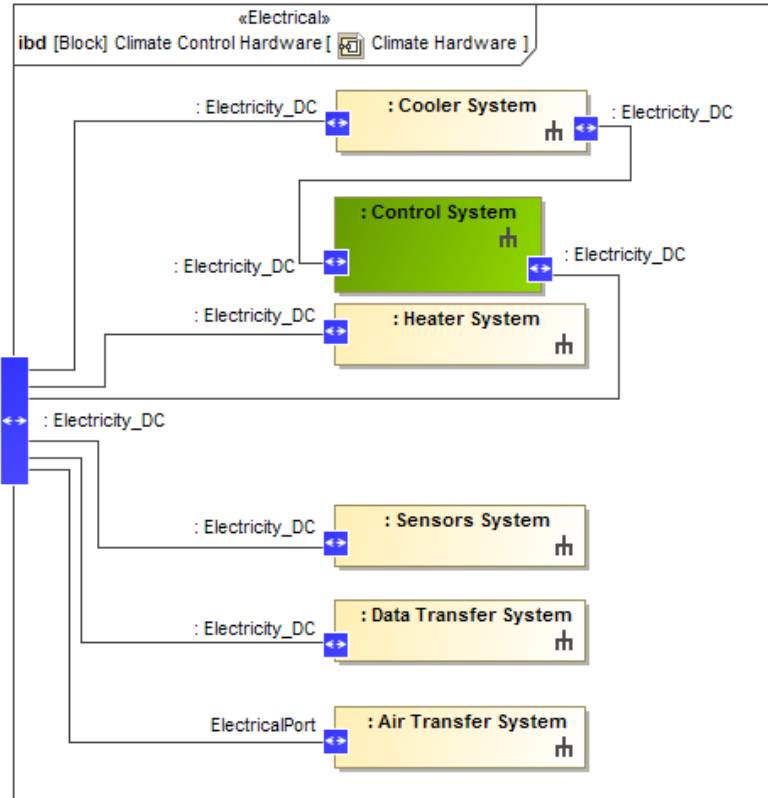
Using layout templates with diagram aspects

The Class Diagram that is used as a layout template can have a specific [diagram aspect](#) defined. In other words, the layout template can only be used in another diagram with the same aspect. In the example below, the *Control System* Block Definition Diagram is a layout template with the *electrical* aspect defined, so the *Control System* layout template can only be used in the *electrical* view of the system. In this case, the *Control System* layout template is used in the *Climate Hardware* Internal Block Diagram that is defined as electrical. This layout template can't be applied in the diagram with a different aspect defined, e.g., Communication.

Definition of electrical Control System Block in BDD



Usage of Control System Block layout template in electrical IBD



Usage of a layout template with aspect. The illustration displays concepts from SysML Plugin.

The sample model used in the figure of this page is **Diagram Aspects** which you can find in modeling tool *<modeling tool installation directory>\samples\SysML\diagram aspects.mdzip*.