

## IFC Release Specific Concept Description (IFC2x3)

# Parametric Profile Name and Section Associations

|           |        |         |   |        |          |
|-----------|--------|---------|---|--------|----------|
| Reference | VL-339 | Version | 2 | Status | Proposal |
|-----------|--------|---------|---|--------|----------|

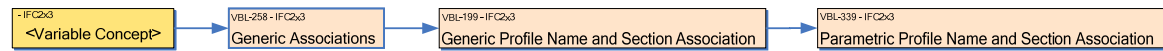
### Relationships

|         |                                       |
|---------|---------------------------------------|
| History | Created 16.3.2007, improved 28.9.2007 |
|---------|---------------------------------------|

|         |                 |
|---------|-----------------|
| Authors | Sakari Lehtinen |
|---------|-----------------|

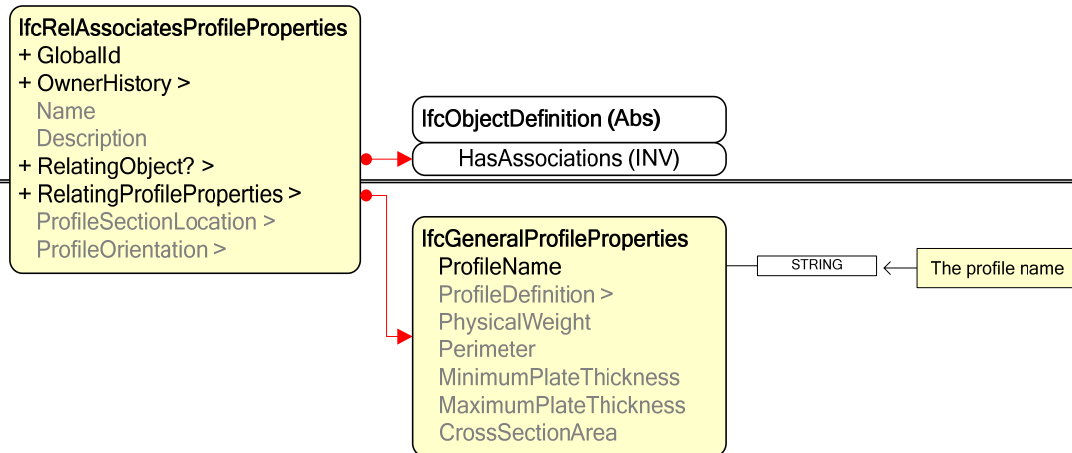
|                |  |
|----------------|--|
| Document Owner | Virtual Building Laboratory @ TUT (sakari.lehtinen@tut.fi) |
|----------------|--|

### Usage in view definition diagram



### Instantiation diagram

#### Generic Associations



#### Parametric Profile Name and Section Associations

### Implementation agreements

#### IfcRelAssociatesProfileProperties

| Attribute                 | Implementation agreements  |
|---------------------------|--|
| GlobalId                  | Providing a GUID is mandatory, but the GUID is allowed to change.            |
| OwnerHistory              | Providing an OwnerHistory is mandatory, but it is allowed to use dummy data. |
| Name                      | Reserved.  |
| Description               | Reserved.  |
| RelatedObjects            | N/A  |
| RelatingProfileProperties | Must be IfcGeneralProfileProperties.   |
| ProfileSectionLocation    | Not used.  |
| ProfileOrientation        | Not used.  |

#### IfcGeneralProfileProperties

| Attribute             | Implementation agreements   |
|-----------------------|---|
| ProfileName           | The profile name associated to the structural member is entered here.   |
| ProfileDefinition     | Not used. The profile library values of the profile of the importing application will be used. The profile is recognized by its profile name. |
| PhysicalWeight        | Not used.   |
| Perimeter             | Not used.   |
| MinimumPlateThickness | Not used.   |
| MaximumPlateThickness | Not used.   |
| CrossSectionArea      | Not used.   |

This document uses the official IFC Model View Definition Format version 1.1.0. of the IAI ([www.iai-international.org](http://www.iai-international.org))  
The content of this document has to be certified by the IAI before becoming part of an official IFC Model View Definition.

