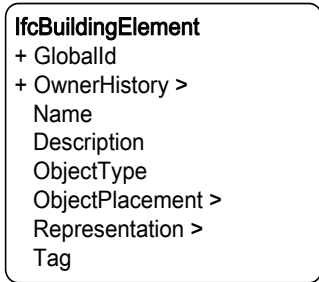| **IFC Release Specific Concept Description (**IFC2x3)					
Element Attributes					
Reference	PCI-053	**Version**	1.1	**Status**	Draft
Relationships	Element attributes assigned to precast or non-precast building elements.				
History					
Authors	Ivan Panushev November 2009, Chuck Eastman 15 November 2012				
Document Owner	Precast/Prestressed Concrete Institute				

Usage in view definition diagram

000 - IFC2x3
Precast Piece

PCI-053
Element Attributes

- IFC2x3
Precast Slab

PCI-053
Element Attributes
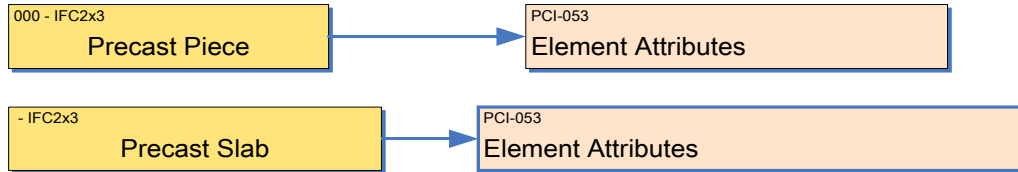
Instantiation diagram

```
IfcBuildingElement
+ GlobalId
+ OwnerHistory >
  Name
  Description
  ObjectType
  ObjectPlacement >
  Representation >
  Tag
```

Implementation agreements

Attribute	Implementation agreements
GlobalId	Must be provided
OwnerHistory	Must be provided, but may contain dummy data
Name	<Open>
Description	<Open>
ObjectType	The instance types of IfcBuildingElement in this case should be assigned according to the Appendix A on page **Error! Bookmark not defined.**.
ObjectPlacement	Should carry the location of the precast piece. See different placement methods
Representation	Should carry the geometric representation of the precast piece.
Tag	Should carry the Piece Mark of the precast piece (e.g. TS_4201 in the example below).

IfcBuildingElement (ABS) –

Example: Part21 file for IfcProperySet assigned to IfcBeam

#341=
IFCBEAM('1A0gmi0002rZ4oD34sE3au',#20,'PRECAST_SLAB','P32K(200X1200)','P32K(200X1200)',#99,#337,'TS_4201');