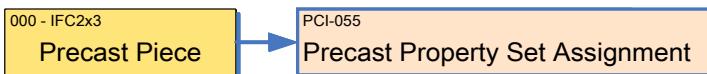## IFC Release Specific Concept Description (<IFC Release 2x3>)
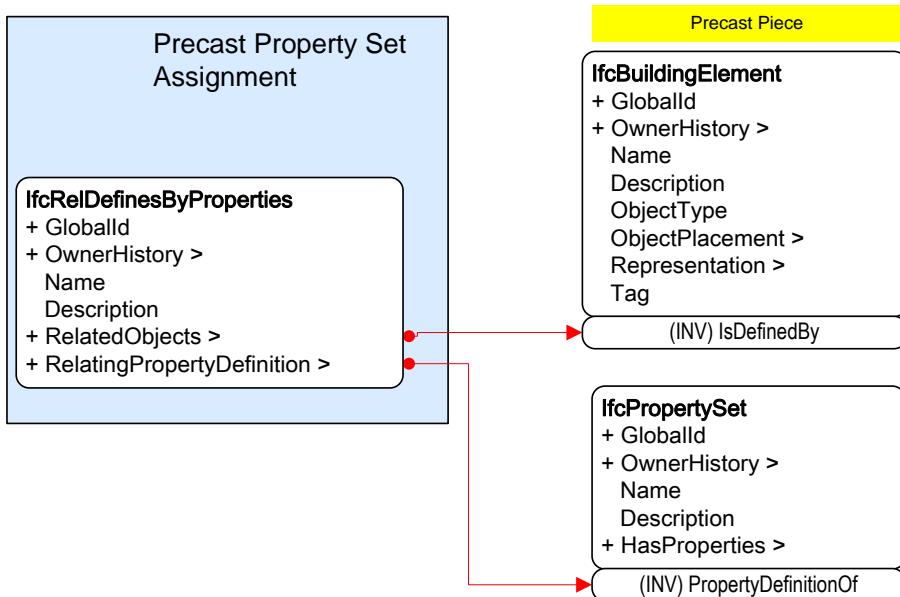
Precast Property Set Assignment

Reference	PCI-055	Version	1.1	Status	Draft
Relationships	Associates any Precast Property Set with a subtype of Element or Element Type.				
History	v.1.0 8-Aug-09; Revised Nov 21, 2012				
Authors	Rafael Sacks;				
Document Owner	Precast/Prestress Concrete Institute				

Usage in view definition diagram

Instantiation diagram

Implementation agreements

IfCBuildingElement (ABS) – This must be one of the following:

IfcBeam, IfcBeamType; IfcColumn, IfcColumnType; IfcCovering, IfcCoveringType ;
IfcCurtainWall, IfcCurtainWallType; IfcFooting, IfcFootingType; IfcMember, IfcMemberType;
IfcPile, IfcPileType; IfcRailing, IfcRailingType; IfcRamp, IfcRampType;
IfcRampFlight, IfcRampFlightType; IfcRoof, IfcRoofType; IfcSlab, IfcSlabType;
IfcStair, IfcStairType; IfcStairFlight, IfcStairFlightType; IfcWall, IfcWallType; IfcWallStandardCase

IfcPropertySet

Attribute	Implementation agreements
GlobalId	Must be provided
OwnerHistory	Must be provided, but may contain dummy data
Name	<Open>
Description	<Open>
HasProperties	<Open>

Example: Part21 file for IcfBeam type assignments

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

#382=
IFCPROPERTYSET('38ahHn1tj5j8Z$TYiLJ$Un',#20,'Pset_Gatech_General','Pset_Gatech_General',(#366,#370,#374,#378));

#3380=
IFCRELDEFINESBYPROPERTIES('0LKxyBnDf7leOD$QJ0VaAh',#20,'NameRelDefByProperties','DescriptionRelDefByProperties',(….., #341),#382);