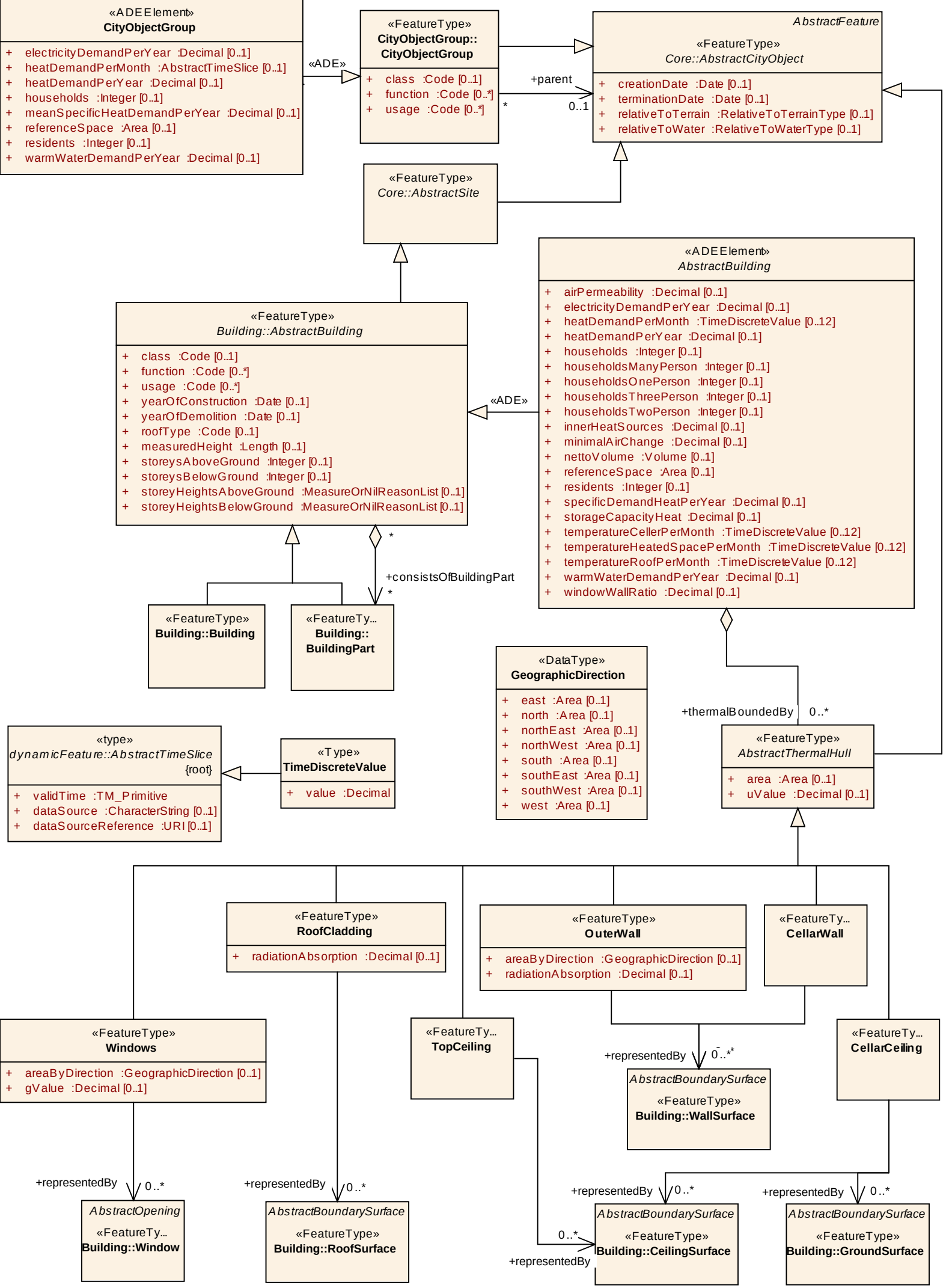
«ADEElement»
CityObjectGroup
+ electricityDemandPerYear :Decimal [0..1]
+ heatDemandPerMonth :AbstractTimeSlice [0..1]
+ heatDemandPerYear :Decimal [0..1]
+ households :Integer [0..1]
+ meanSpecificHeatDemandPerYear :Decimal [0..1]
+ referenceSpace :Area [0..1]
+ residents :Integer [0..1]
+ warmWaterDemandPerYear :Decimal [0..1]
«ADE»
«FeatureType»
CityObjectGroup::
CityObjectGroup
+ class :Code [0..1]
+ function :Code [0..*]
+ usage :Code [0..*]
+parent
*
0..1
AbstractFeature
«FeatureType»
Core::AbstractCityObject
+ creationDate :Date [0..1]
+ terminationDate :Date [0..1]
+ relativeToTerrain :RelativeToTerrainType [0..1]
+ relativeToWater :RelativeToWaterType [0..1]
«FeatureType»
Core::AbstractSite
«ADEElement»
AbstractBuilding
+ airPermeability :Decimal [0..1]
+ electricityDemandPerYear :Decimal [0..1]
+ heatDemandPerMonth :TimeDiscreteValue [0..12]
+ heatDemandPerYear :Decimal [0..1]
+ households :Integer [0..1]
+ householdsManyPerson :Integer [0..1]
+ householdsOnePerson :Integer [0..1]
+ householdsThreePerson :Integer [0..1]
+ householdsTwoPerson :Integer [0..1]
+ innerHeatSources :Decimal [0..1]
+ minimalAirChange :Decimal [0..1]
+ nettoVolume :Volume [0..1]
+ referenceSpace :Area [0..1]
+ residents :Integer [0..1]
+ specificDemandHeatPerYear :Decimal [0..1]
+ storageCapacityHeat :Decimal [0..1]
+ temperatureCellerPerMonth :TimeDiscreteValue [0..12]
+ temperatureHeatedSpacePerMonth :TimeDiscreteValue [0..12]
+ temperatureRoofPerMonth :TimeDiscreteValue [0..12]
+ warmWaterDemandPerYear :Decimal [0..1]
+ windowWallRatio :Decimal [0..1]
«FeatureType»
Building::AbstractBuilding
+ class :Code [0..1]
+ function :Code [0..*]
+ usage :Code [0..*]
+ yearOfConstruction :Date [0..1]
+ yearOfDemolition :Date [0..1]
+ roofType :Code [0..1]
+ measuredHeight :Length [0..1]
+ storeysAboveGround :Integer [0..1]
+ storeysBelowGround :Integer [0..1]
+ storeyHeightsAboveGround :MeasureOrNilReasonList [0..1]
+ storeyHeightsBelowGround :MeasureOrNilReasonList [0..1]
«ADE»
*
+consistsOfBuildingPart
*
«FeatureType»
Building::Building
«FeatureTy...
Building::
BuildingPart
«DataType»
GeographicDirection
+ east :Area [0..1]
+ north :Area [0..1]
+ northEast :Area [0..1]
+ northWest :Area [0..1]
+ south :Area [0..1]
+ southEast :Area [0..1]
+ southWest :Area [0..1]
+ west :Area [0..1]
+thermalBoundedBy
0..*
«FeatureType»
AbstractThermalHull
+ area :Area [0..1]
+ uValue :Decimal [0..1]
«type»
dynamicFeature::AbstractTimeSlice
{root}
+ validTime :TM_Primitive
+ dataSource :CharacterString [0..1]
+ dataSourceReference :URI [0..1]
«Type»
TimeDiscreteValue
+ value :Decimal
«FeatureType»
RoofCladding
+ radiationAbsorption :Decimal [0..1]
«FeatureType»
OuterWall
+ areaByDirection :GeographicDirection [0..1]
+ radiationAbsorption :Decimal [0..1]
«FeatureTy...
CellarWall
«FeatureType»
Windows
+ areaByDirection :GeographicDirection [0..1]
+ gValue :Decimal [0..1]
«FeatureTy...
TopCeiling
+representedBy
0..*
AbstractBoundarySurface
«FeatureType»
Building::WallSurface
«FeatureTy...
CellarCeiling
+representedBy
0..*
AbstractOpening
«FeatureTy...
Building::Window
+representedBy
0..*
AbstractBoundarySurface
«FeatureType»
Building::RoofSurface
+representedBy
0..*
AbstractBoundarySurface
«FeatureType»
Building::CeilingSurface
0..*
+representedBy
+representedBy
0..*
AbstractBoundarySurface
«FeatureType»
Building::GroundSurface