What is srt?

What is Building?

What is Space?

What is walls?

-Class(field, struct, class)

-Field

-Struct

-Function

Building.{Type, Address, Area, Units, Space}

* Building.Type (str.Ch(2).Ch(4).Artib.Value)
* Building.Address(str.Ch(2).Ch(4).Ch(2).Ch.Data)
* Building.Area(str.Ch(2).Ch(4).Ch(4).Ch.Data)
* Building.Units(str.Artib)
  + Units{areaUnit(str.Artib(1)),lengthUnit(str.Artib(2)),temperatureUnit (str.Artib(3)),volumeUnit(str.Artib(6))}
* Building.Space.{id, numberSpace, area, volume, walls, heatcapacity}
  + Building.Space.id(str.Ch(2).Ch(4).Ch(6).Artib(1).Value)
  + Building.Space.numberSpace(forloop{str.Ch(2).Ch(4).Ch.Name})
  + Building.Space.area(str.Ch(2).Ch(4).Ch(6).Ch(2).Ch.Data)
  + Building.Space.volume(str.Ch(2).Ch(4).Ch(6).Ch(4).Ch.Data)
  + Building.Space.heatcapacity=p\_air\* Building.Space.volume
  + Building.Space.door
  + Building.Space.walls{Type,spaceId, constructioIdRef, U\_value, area}
    - Building.Space.walls.Type{InteriorWall,ExteriorWall}(str.Ch(2).Ch(i-surface))
    - Building.Space.walls.spaceId(str.Ch(2).Ch(1)).Ch(2).Art(1).Value)
    - Building.Space.walls.constructioIdRef
    - Building.Space.walls.U\_value

Surface-constructioIdRef=Construction-id

* + - Building.Space.walls.area=width\*height

Building

Space

Walls

**Examples**:

Example 1: Building.Space(1).id=’aim0141’

Example 2: Finds which space ID’s are connected with wall 1.

**IF** Building.Space(i).walls(1).Type==’InteriorWall’ **THEN**

Building.Space(i).walls(1).spaceId1=str.Ch(2).Ch(1)).Ch(2).Art(1).Value

Building.Space(i).walls(1).spaceId2=str.Ch(2).Ch(1)).Ch(4).Art(1).Value

**ELSE**

Building.Space(i).walls(1).spaceId=str.Ch(2).Ch(1)).Ch(2).Art(1).Value

**END**