

# BIM Specification

## ARK\_NordicLCA\_Housing\_Concrete\_As-built.ifc

<b>DISCIPLINE</b>	<b>Architecture</b>
Illustration image	
Object	
Intended use	
Design phase	As-built
Revision date	
Organisation	Arkkitehtitoimisto Huvila
BIM contact person	
Contact email address	
Contact telephone number	
Principal designer	
Project manager	Rita Lavikka
Software and versions used	Revit 2024
Separate models and documents related to this model	ARK_NordicLCA_Housing_Concrete_As-built.rvt ARK_NordicLCA_Terrain_BuildingPermit.ifc ARK_NordicLCA_Terrain_BuildingPermit.rvt ARK_NordicLCA_Housing_Concrete_BuildingPermit_Materials_and_Products.xlsx
Additional information and comments	

## GENERAL MODELLING PRINCIPLES

Classification systems used	Talo2000		
Layer systems used	Talo2000		
Naming of building elements	<a href="http://uri.suomi.fi/codelist/rakrek/raktkk_builtsystem_1_0">http://uri.suomi.fi/codelist/rakrek/raktkk_builtsystem_1_0</a>		
Unit system	Metric		
Coordinate system	ETRS-GK 25 planar coordinates N2000 elevation system		
Origin location (x,y,z)	Origin	X = E = I 25505171,787	Y = N = P 6707188,716 Z 0,000
	Models are not rotated in the project coordinate system; all models are placed in a true-north position.		
Level names and elevations in the N2000 system	Sea level	+0,00	
	Foundations	+47,300	
	Basement	+49,070	
	Level_01	+52,000	
	Level_02	+54,930	
	Level_03	+58,030	
	Level_04	+61,130	
	Roof	+64,035	
IFC version	IFC4		
Level of detail (LoD)	As-built		
Deviations from the LoD			
Level of information (Lol)	As-built		
Deviations from the Lol			
Presentation of the phasing	-		

Building element and component coding	Source of information
<a href="http://uri.suomi.fi/codelist/rakrek/raktkk_builtsystem_1_0">http://uri.suomi.fi/codelist/rakrek/raktkk_builtsystem_1_0</a>	Element attribute/ Name

	Propertyset	Property	Used values
<b>Identification of the external envelope of the building</b>	Pset _____ Common	IsExternal	Elements that are part of or outside the outer envelope TRUE Elements inside the outer envelope FALSE or empty
<b>Identification of load-bearing building elements</b>	Pset _____ Common	IsLoadbearing	Load-bearing elements TRUE Non-load-bearing elements FALSE or empty
<b>Identification of surface materials in rooms</b>	Pset _____ Common	WallCovering CeilingCovering FloorCovering	Surface materials in text format according to the attachment: SurfaceMaterials_ARK_NordicLCA_Housing_Concrete_BuildingPermit.xlsx