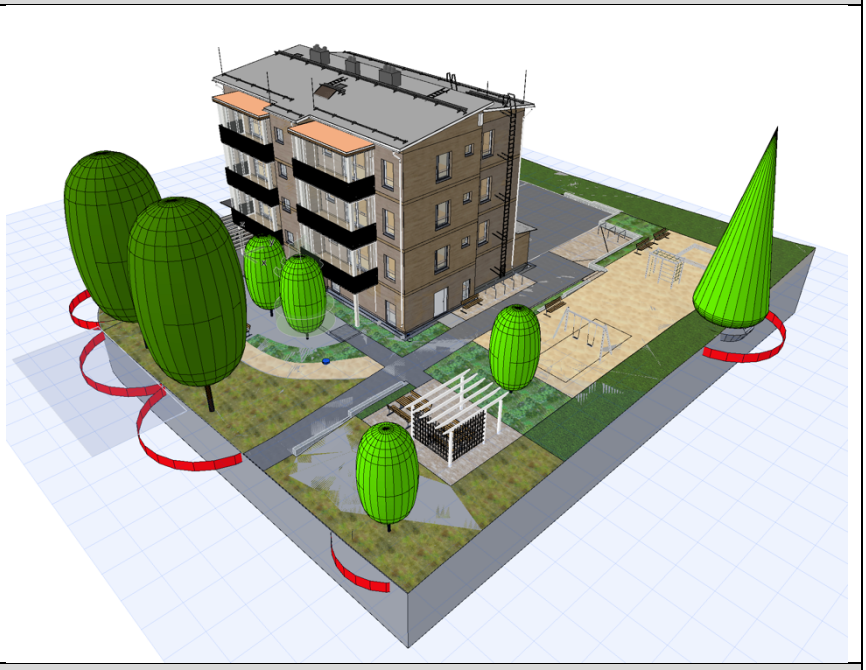
BIM Specification

ARK_NordicLCA_Housing_Timber_As-built_Archicad.ifc

DISCIPLINE	Architecture
Illustration image	
Object	
Intended use	
Design phase	As-built
Revision date	
Organisation	Gravicon Oy
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_Timber_As-built.pla ARK_NordicLCA_Housing_Timber_As-built_Materials_and_Products.xlsx
Additional information and comments	

GENERAL MODELLING PRINCIPLES			
Classification systems used	Talo2000		
Layer systems used	Talo2000		
Naming of building elements	http://uri.suomi.fi/codelist/rakrek/raktkk_builtsystem_1_0		
Unit system	Metric		
Coordinate system	ETRS-GK 25 planar coordinates N2000 elevation system		
Origin location (x,y,z)		X = E = I	Y = N = P	Z
	Origin	25505171,787	6707188,716	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 +55,144 Level_03 +58,458 Level_04 +61,772 Roof +64,677
IFC version	IFC4 (IFC 4.0.2.1)
Level of detail (LoD)	As-built
Deviations from the LoD	
Level of information (LoI)	As-built
Deviations from the LoI	
Presentation of the phasing	-

Building element and component coding	**Source of information**
http://uri.suomi.fi/codelist/rakrek/raktkk_builtsystem_1_0	Element attribute/ Name

	Propertyset	**Property**	**Used values**
Identification of the external envelope of the building	Pset_____Common	IsExternal	Components that are part of or outside the outer envelope TRUE Components inside the outer envelope FALSE or empty
Identification of load-bearing building elements	Pset_____Common	IsLoadBearing	Load-bearing components TRUE Non-load-bearing components FALSE or empty
Identification of surface materials in rooms	Pset_____Common	WallCovering CeilingCovering FloorCovering	Surface materials in text format according to the attachment: SurfaceMaterials_ARK_NordicLCA_Housing_Concrete_BuildingPermit.xlsx