ARKKITEHTITOIMISTO HUVILA Oy

BIM Specification
ARK_NordicLCA_Housing_Concrete_BuildingPermit.ifc

DISCIPLINE	Architecture
Illustration image	
Object	
Intended use	
Design phase	building permit
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_BuildingPermit.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	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)	
Level names and elevations in the N2000 system	
IFC version	IFC4
Level of detail (LoD)	building permit
Deviations from the LoD	
Level of information (LoI)	building permit
Deviations from the LoI	
Presentation of the phasing	-

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	+54,930
Level_03	+58,030
Level_04	+61,130
Roof	+64,035

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	Elements that are part of or outside the outer envelope TRUE Elements inside the outer envelope FALSE or empty
Identification of load-bearing building elements	Pset_____Common	IsLoadBearing	Load-bearing elements TRUE Non-load-bearing elements 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