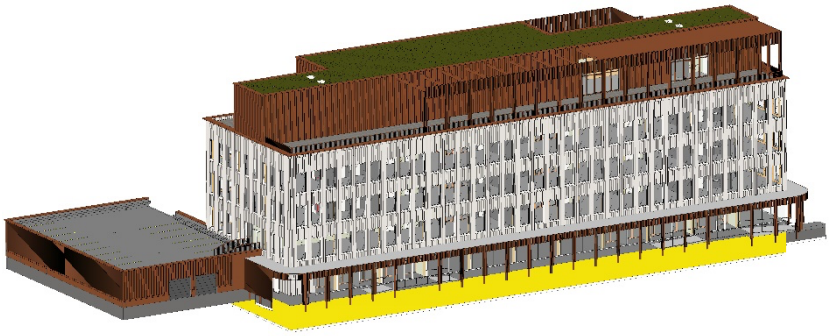
BIM Specification
ARK_NordicLCA_Office_Timber_BuildingPermit.ifc

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 IFC or native models related to this model	ARK_NordicLCA_Office_Timber_BuildingPermit.rvt ARK_NordicLCA_Office_Terrain_Timber_BuildingPermit.ifc ARK_NordicLCA_Office_Terrain_Timber_BuildingPermit.rvt ARK_NordicLCA_Office_Timber_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)		X = E = I	Y = N = P	Z
	Origin	25505183.456	6706938.966	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 +0,000 Basement +51,700 Level_01 +55,500 Level_02 +59,700 Level_03 +63,720 Level_04 +67,740 Level_05 +72,310 Roof +78,370
IFC version	IFC4 (IFC 4.0.2.1)
Level of detail (LoD)	building permit
Deviations from the LoD	
Level of information (LoI)	building permit
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_WallCommon Pset_SlabCommon Pset_BeamCommon Pset_ColumnCommon Pset_DoorCommon Pset_WindowCommon Pset_RoofCommon Pset_StairCommon Pset_CeilingCommon	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