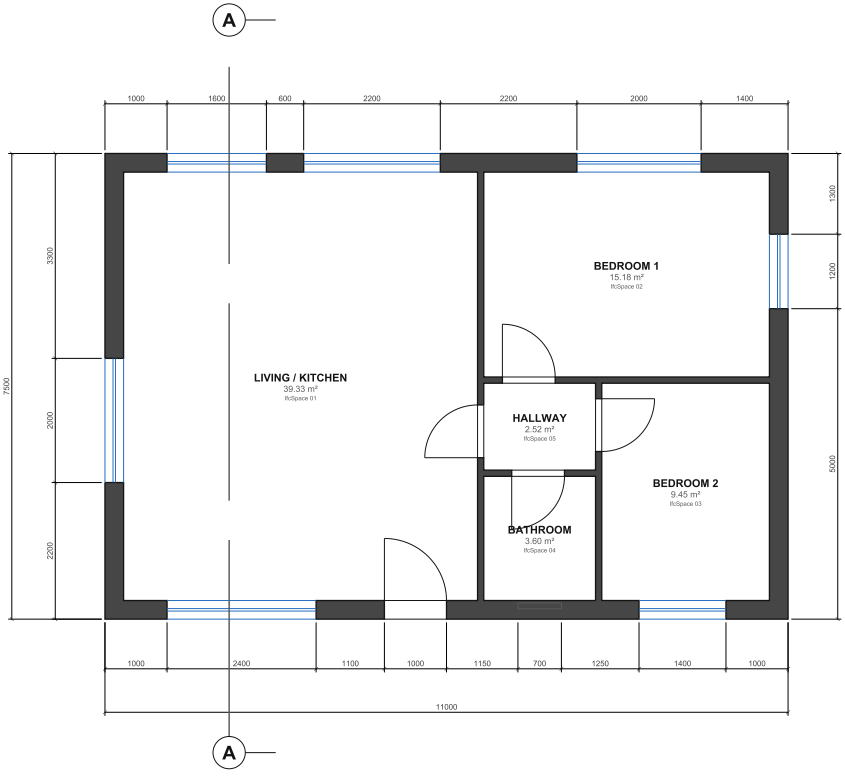


N

SPACE SCHEDULE (IfcSpace / Qto)

SPACE	NAME	AREA m²
01	Living / Kitchen	39.33
02	Bedroom 1	15.18
03	Bedroom 2	9.45
04	Bathroom	3.60
05	Hallway	2.52
	TOTAL NET	70.08

ELEMENT COUNT

TYPE	QTY
EXT-300 Brick + insulation	4
INT-100 Partition	4
Doors (IfcDoor)	5
Windows (IfcWindow)	8

BUILDPIXEL STUDIO

2D DRAFTING · 3D VISUALIZATION · BIM

PROJECT

CASA ALBA — SINGLE-STOREY HOUSE (IFC4)

DRAWING

GROUND FLOOR — GENERATED FROM IFC

SCALE	DATE	SHEET	REV
1:50 @ A3	31/10/2026	BIM-101	A

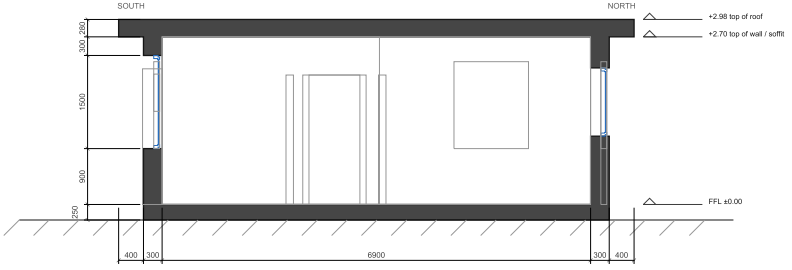
SAMPLE / CONCEPT PROJECT

Plan cut at +1.20 from casa-alba_IFC4.ifc

Drawn with ezdxf / AutoCAD-compatible DWG · dimensions in mm

SECTION A-A

generated from IFC geometry — cut plane x = 2.00 m



ASSEMBLY BUILD-UPS (from IfcMaterialLayerSet)

EXT-300 Brick + insulation — 300 mm



20 Lime render
200 Clay brick
65 Mineral wool
15 Gypsum plaster

INT-100 Partition — 100 mm



100 Metal stud + gypsum board

FLOOR-250 Ground slab — 250 mm



70 Screed + oak flooring
180 Reinforced concrete C25/30

ROOF-280 Flat roof — 280 mm



30 Roof membrane + gravel
60 Mineral wool
190 Reinforced concrete C25/30

KEY QUANTITIES (Qto, ifc5d)

ITEM	QTY	
Gross floor area (slab)	82.50	m²
Net floor area (spaces)	70.08	m²
External walls — net area	74.45	m²
External walls — net volume	22.34	m³
Partitions — net area	38.39	m²
Doors	5	nr
Windows	8	nr
Glazed area (windows)	20.06	m²
Roof slab — gross volume	27.42	m³

BUILDPIXEL STUDIO

2D DRAFTING · 3D VISUALIZATION · BIM

PROJECT

CASA ALBA — SINGLE-STOREY HOUSE (IFC4)

DRAWING

SECTION A-A + ASSEMBLY BUILD-UPS

SCALE	DATE	SHEET	REV
1:50 / 1:8	31/10/2026	BIM-201	A

SAMPLE / CONCEPT PROJECT

Section and build-ups read from the IFC model

Drawn with ezdxf / AutoCAD-compatible DWG · dimensions in mm