

# Vítor Ferronato de Lira



## BIM A + Developed Works

BIM A+1

ELEMENT	GIVEN INFORMATION	ANALYSIS	LOD
	<b>Flow Segment Identification</b> Building Storey name: KD1 Category: Ducts COBie Type Category: Fixed COBie Type Created by: vtf@fca.it COBie Type Created on: 2019-09-30T12:00:00 COBie Type Description: Ovalem zrak Construction Type: Unavailable Container Name: KD1 Building Storey: Unavailable Description: Unavailable Family end Type: Rectangular Duct - Ovalem zrak Additional Flow: 0 m³/s Area: 2,87 m² Volume: 1,42 m³	According to the LOD Specification and the information provided on the left picture taken from SimpleBIM software, the duct information only fits with the following description: "Diagrammatic or schematic model elements", addressed in the D30 item of Uniformat and 21-04 30 item of Omniclass. Therefore, it corresponds to the LOD level of 100.	100

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Visualization of element types, assignment of LOD and model translation

BIM Execution Plan Preparation – LOD Planner

BIM A+2

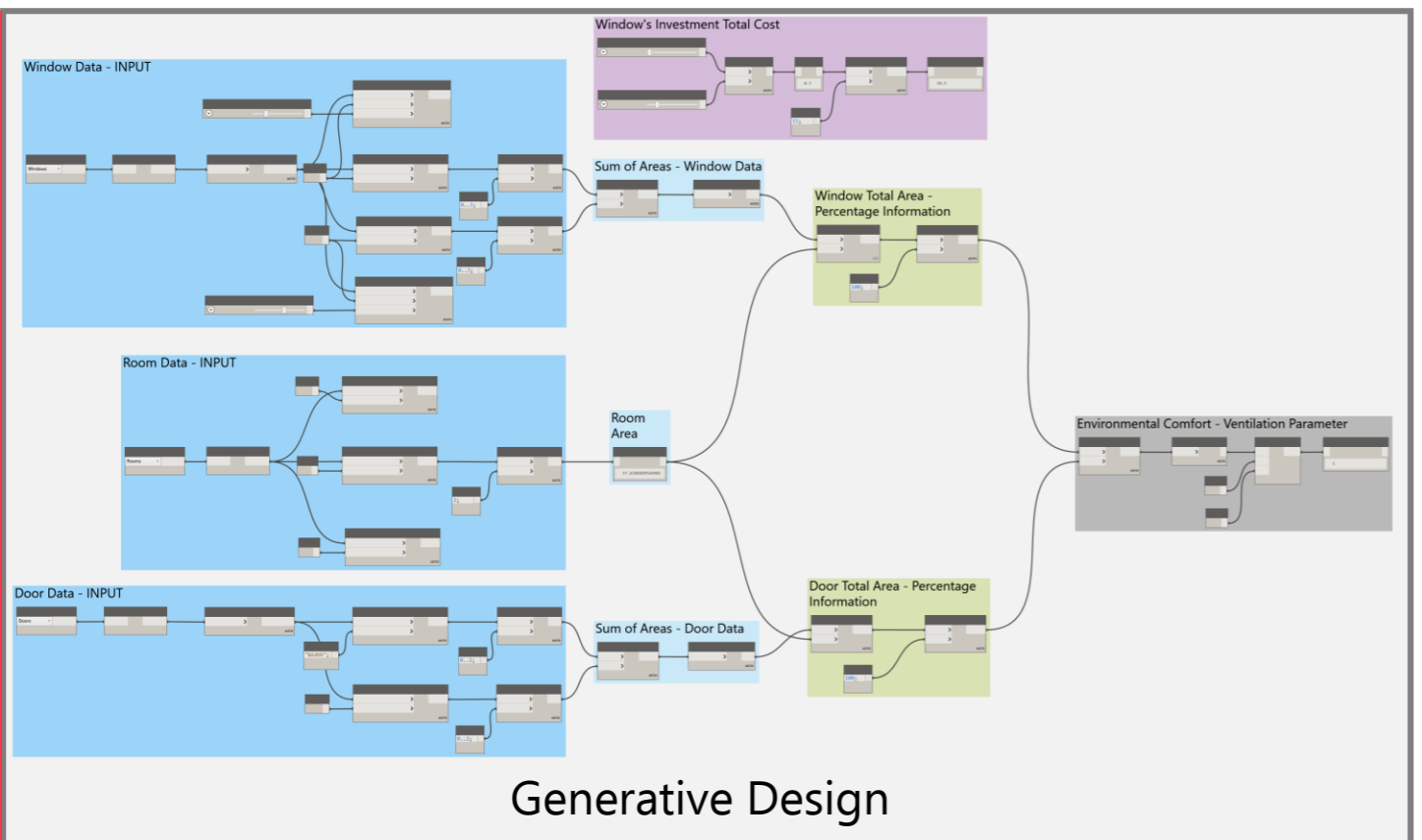
Object development

Door Panel Height = 2000.000  
Height = 2100.000  
Rough Height = 2130.000



Federated model development

BIM A+3



BIM A+4

Metadata modification

Entity-Relationship Diagram

NIST data analyzer

BIM A+5

Cost Analysis and 4D-5D Integration

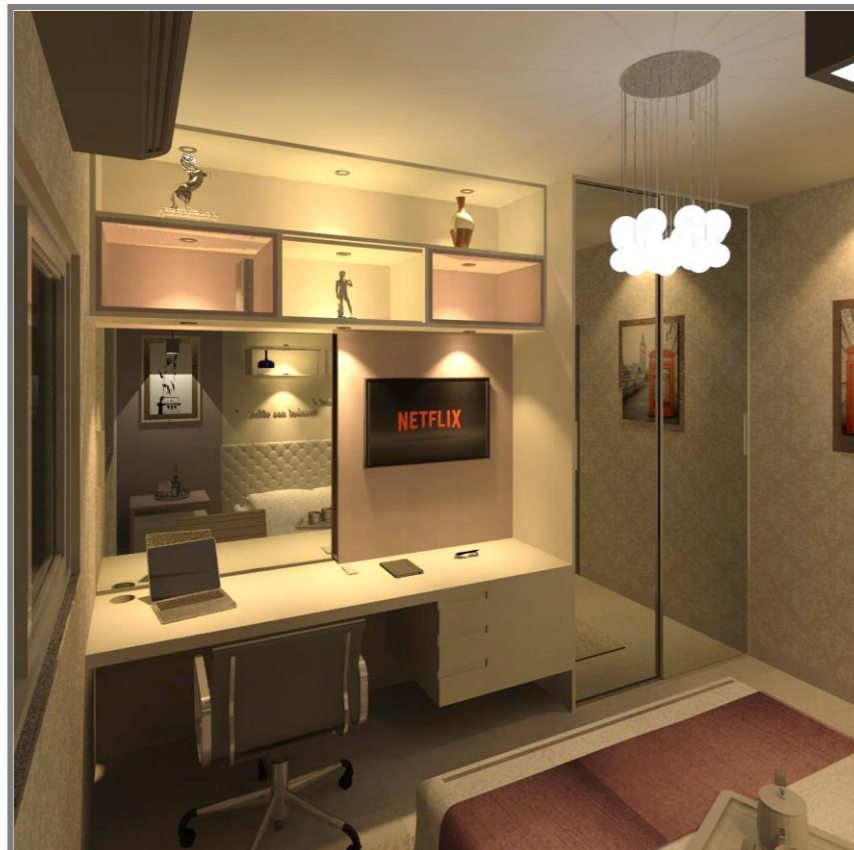
BIM A+6

BIM Based Rehabilitation and Sustainability Analysis

# Vítor Ferronato de Lira



## Previous Experiences



### Single bedroom

Architectural design project of refurbishment and interior design for a bedroom of a young lady. Modelling and rendering in Revit software, 2016 version.

Building location: Mato Grosso state, Brazil.

Work developed as a self-employed architect and urbanist.

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### Low impact environment house

Architectural design project for a low environmental impact house prototype. The final constructed area is 76,50 square meters. Modelling and rendering in Revit software, 2017 version.

Building location: Brasilia, Brazil.

Participation as a collaborator in a Technological Extension Project within the Laboratory of Technology and Environmental Comfort (LATECA) of the Federal University of Mato Grosso (UFMT), Mato Grosso state, Brazil.



### Single-family house

Architectural design project for a single-family house. The final constructed area is 448,23 square meters, divided into two floors. Modelling and rendering in Revit software, 2016 version.

Building location: São Paulo state, Brazil.

Work developed as a self-employed architect and urbanist.



### Institute for Autistic People

Architectural design project for an Institute for Autistic People. The final constructed area is 3.351,17 square meters, divided into two floors. Modelling and rendering in Revit software, 2016 version.

Building location: Mato Grosso state, Brazil.

Final Graduation Work developed as a bachelor student of architecture and urbanism.