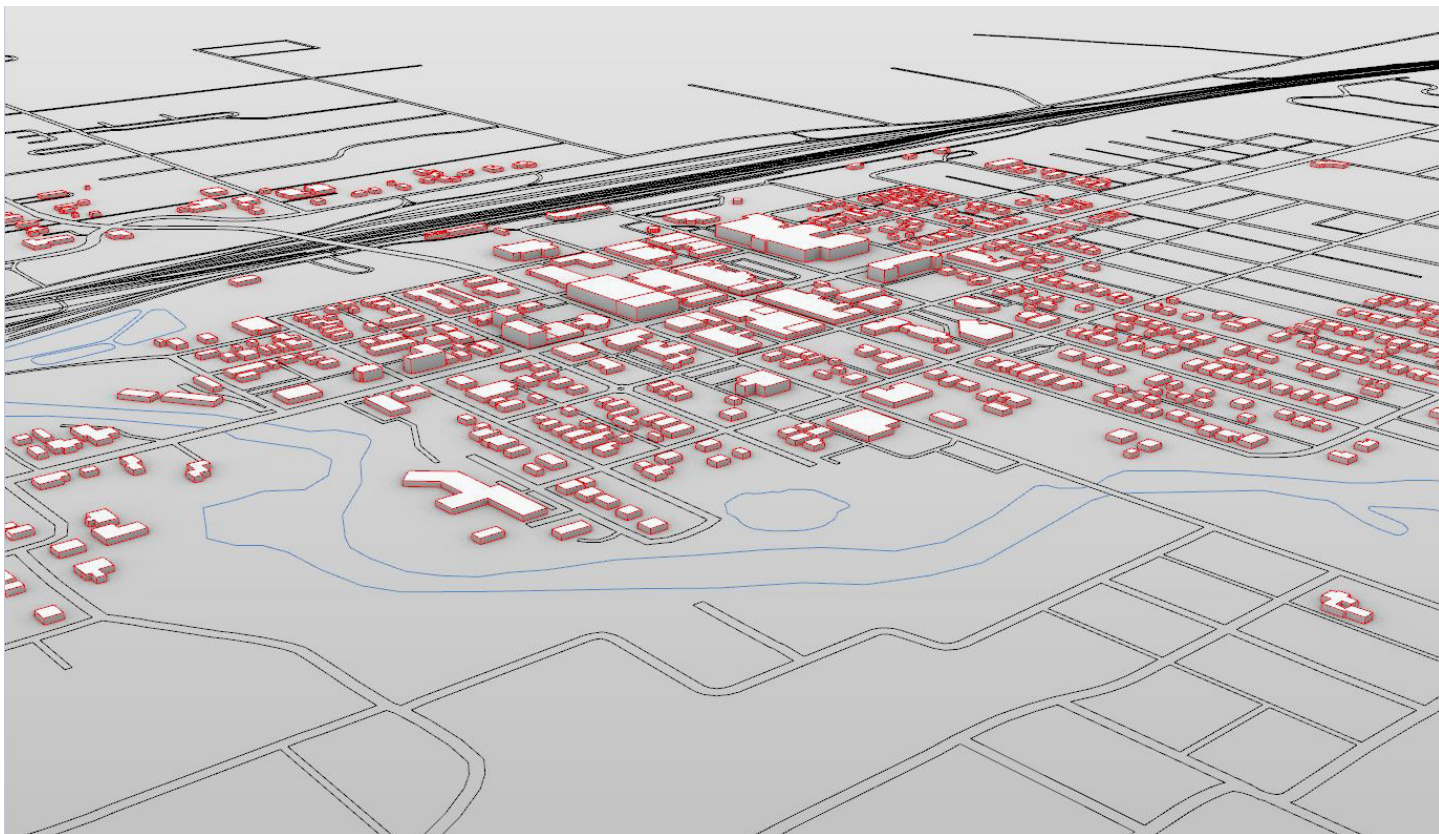
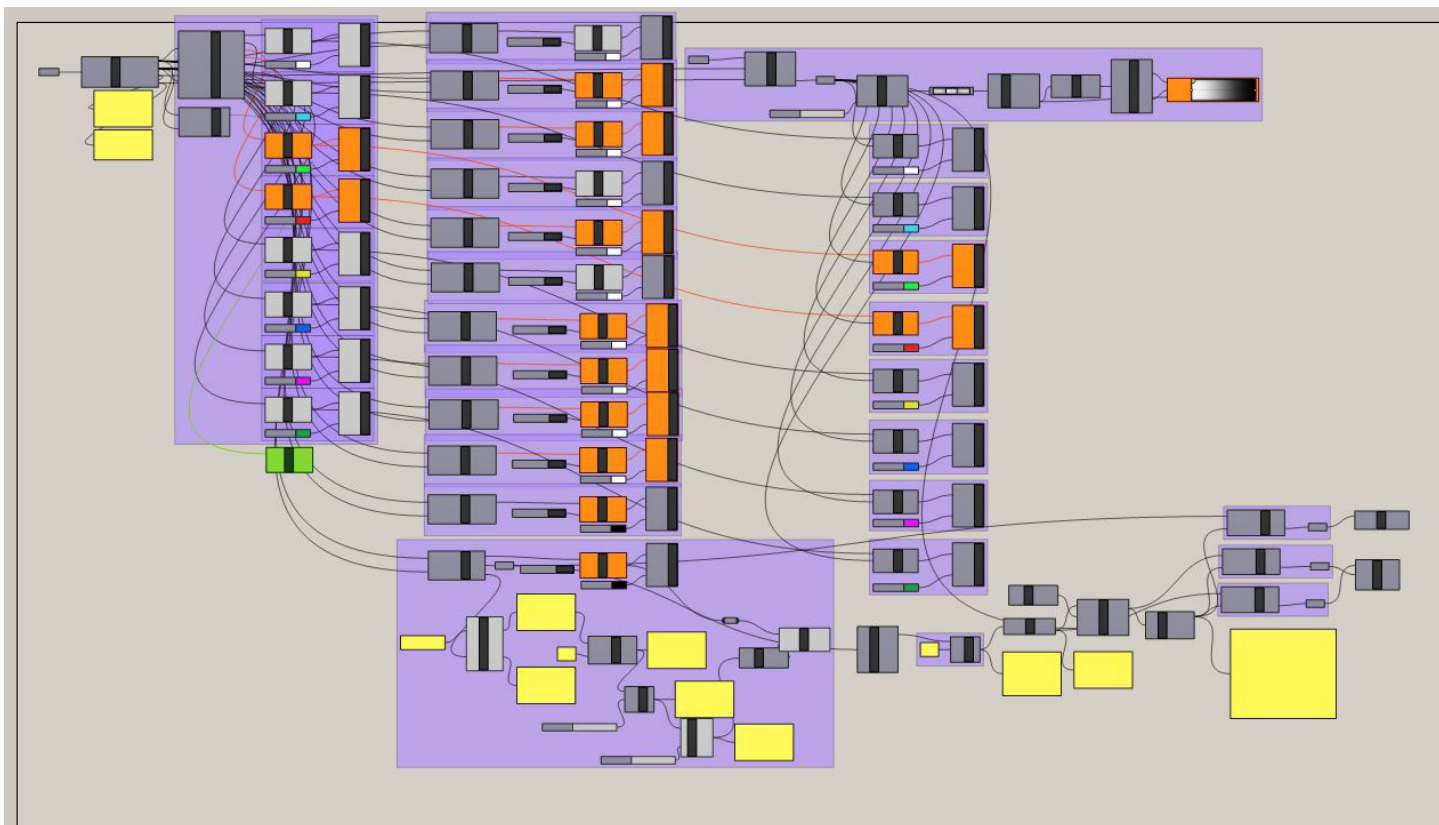


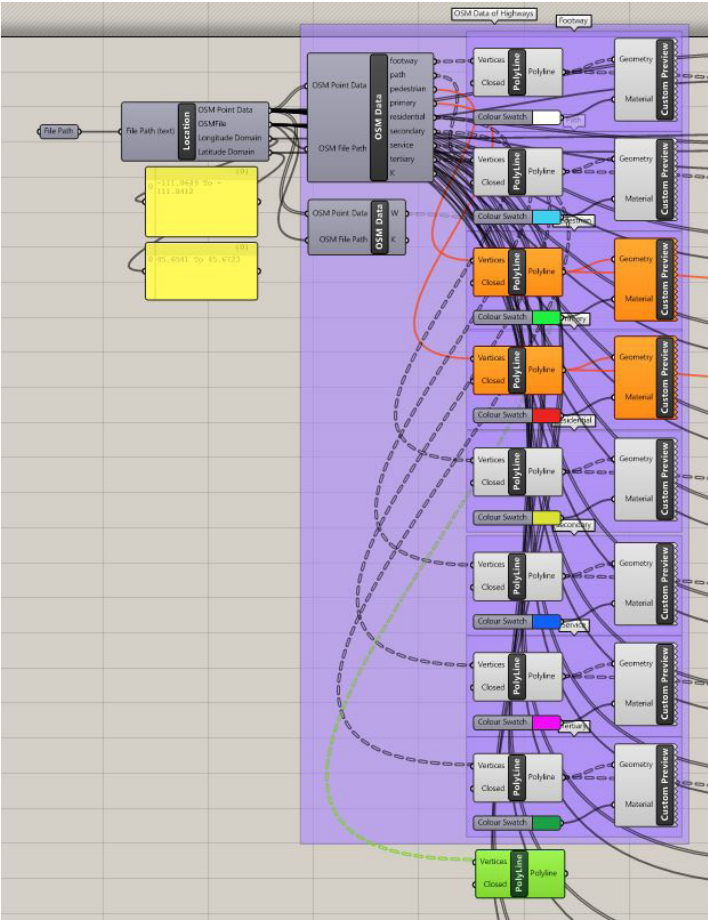
Site Plan from Grasshopper Script



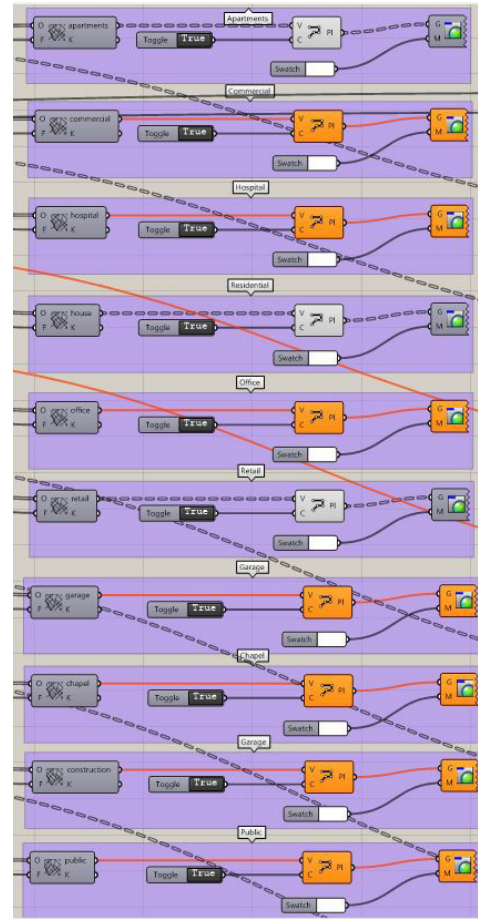
Grasshopper Script: Elk Site Plan



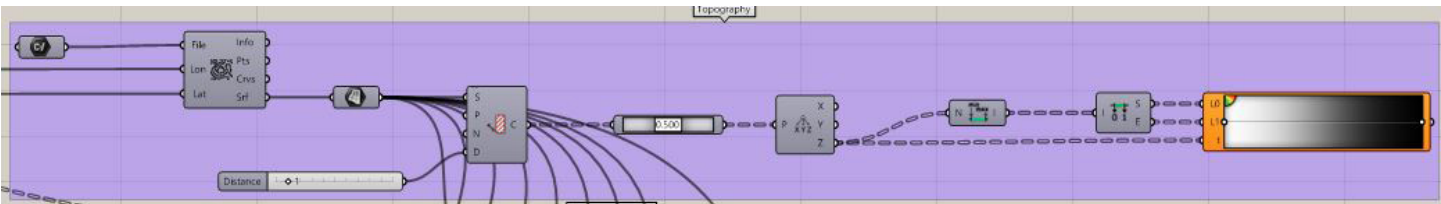
Grasshopper Script: Elk (Roads and Pathways)



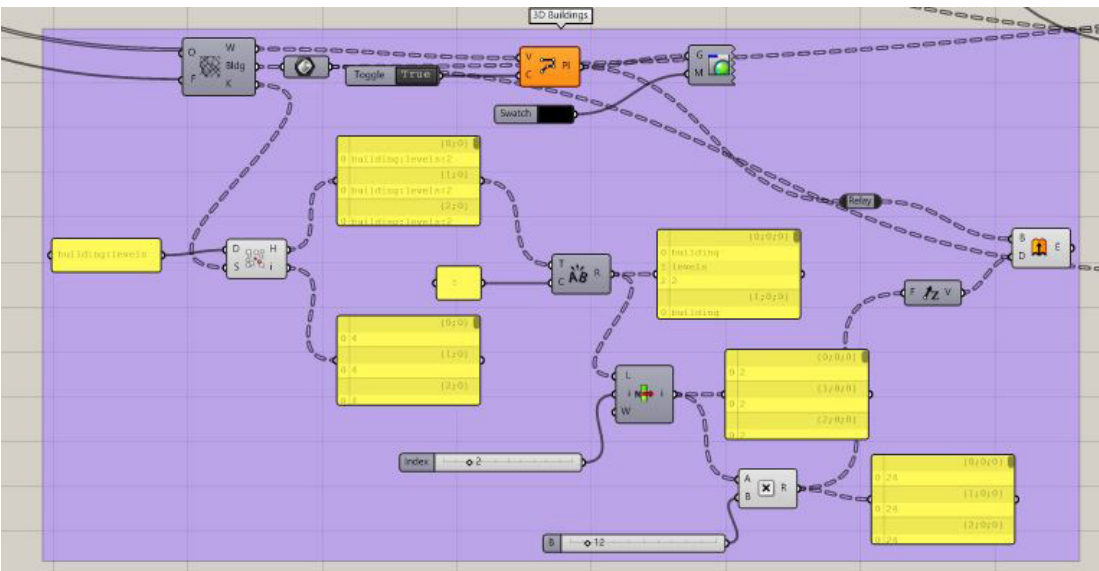
Grasshopper Script: Elk (Building Footprints)



Grasshopper Script: Elk (Topography)



Grasshopper Script: Elk (3D Building Extrusion)

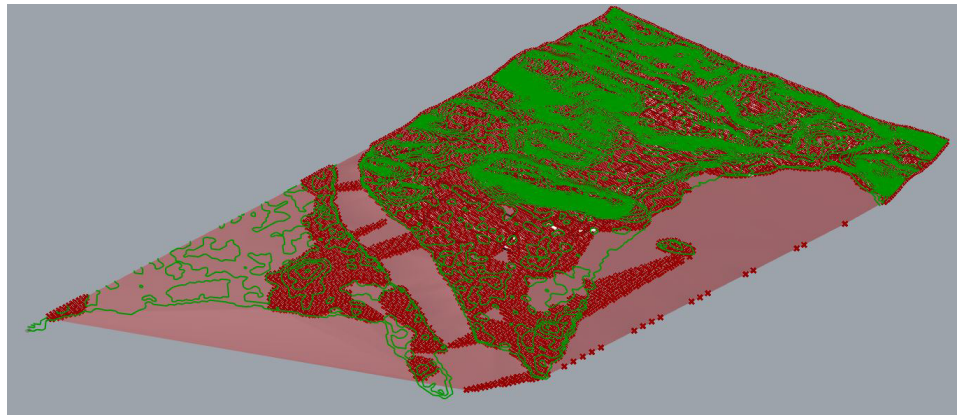


The screenshot shows a complex Grasshopper script for projecting buildings onto a surface. The workflow is as follows:

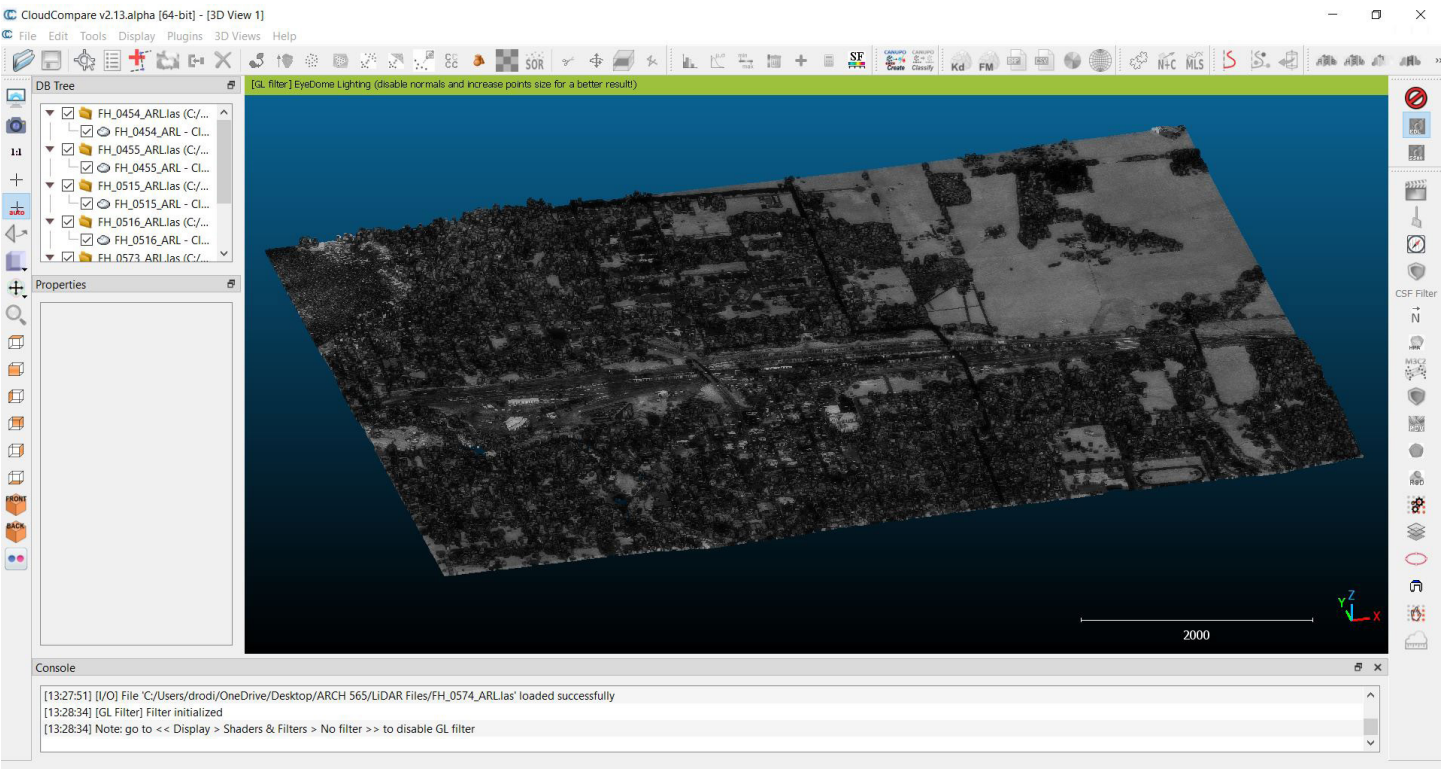
- Input:** A 'Surface' component is connected to a 'Project' component.
- Intermediate Steps:**
 - The 'Project' component is connected to an 'Extracted Base Surface' component.
 - The 'Extracted Base Surface' component is connected to a 'Project' component.
 - The 'Project' component is connected to a 'Project Points' component.
 - The 'Project Points' component is connected to a 'List of Points' component.
- Output:** The 'List of Points' component displays a list of points, including coordinates and a 'Plane' value.

The diagram illustrates a network topology with eight horizontal lanes, each representing a different traffic type. Each lane contains a switch with four ports (C, B, A, D) and a destination node (G, M). The lanes are color-coded and connected by various lines, illustrating a complex network topology.

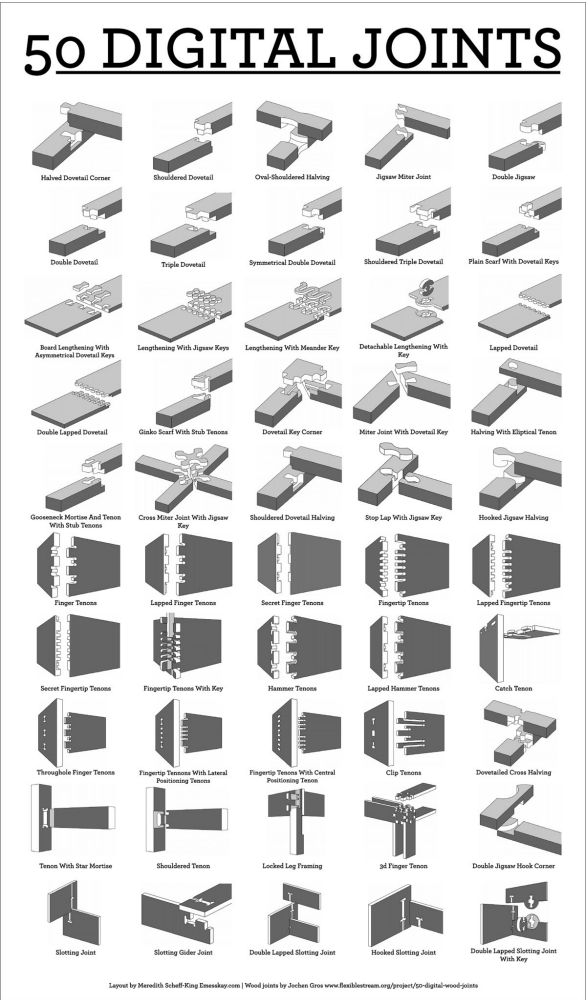
- Projected Software:** Switch ports C, B, A, D. Destination G, M.
- Projected Path:** Switch ports C, B, A, D. Destination G, M.
- Projected Pedestrian:** Switch ports C, B, A, D. Destination G, M.
- Projected Primary:** Switch ports C, B, A, D. Destination G, M.
- Projected Residential:** Switch ports C, B, A, D. Destination G, M.
- Projected Secondary:** Switch ports C, B, A, D. Destination G, M.
- Projected Service:** Switch ports C, B, A, D. Destination G, M.
- Projected Tertiary:** Switch ports C, B, A, D. Destination G, M.



CloudCompare: Whitefish Site for Thesis



Examples of Different Joints for Thesis Project



Site Model for ARCH 528 Project: (Contours to Surface Scripts and Elk Script)

