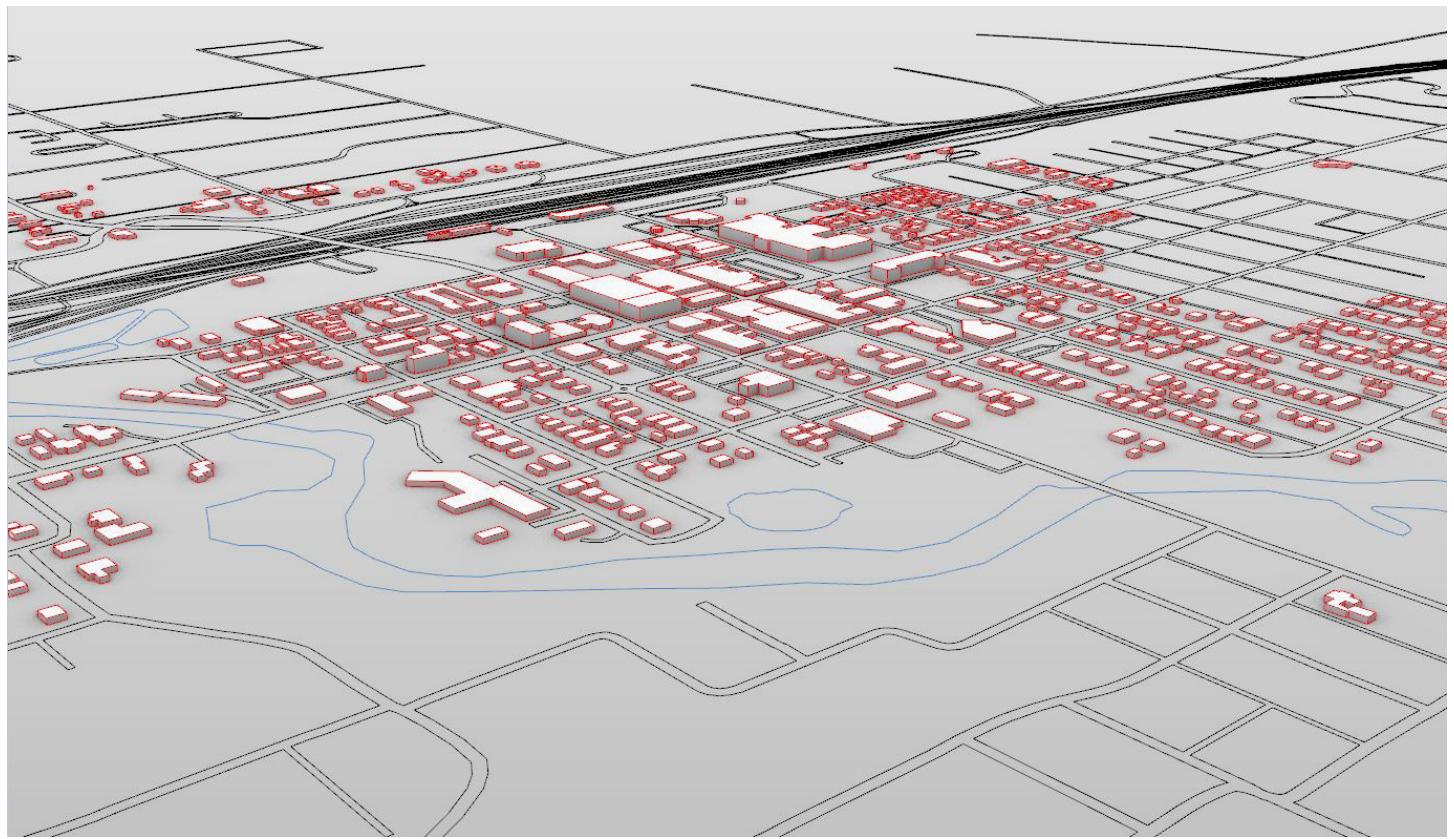


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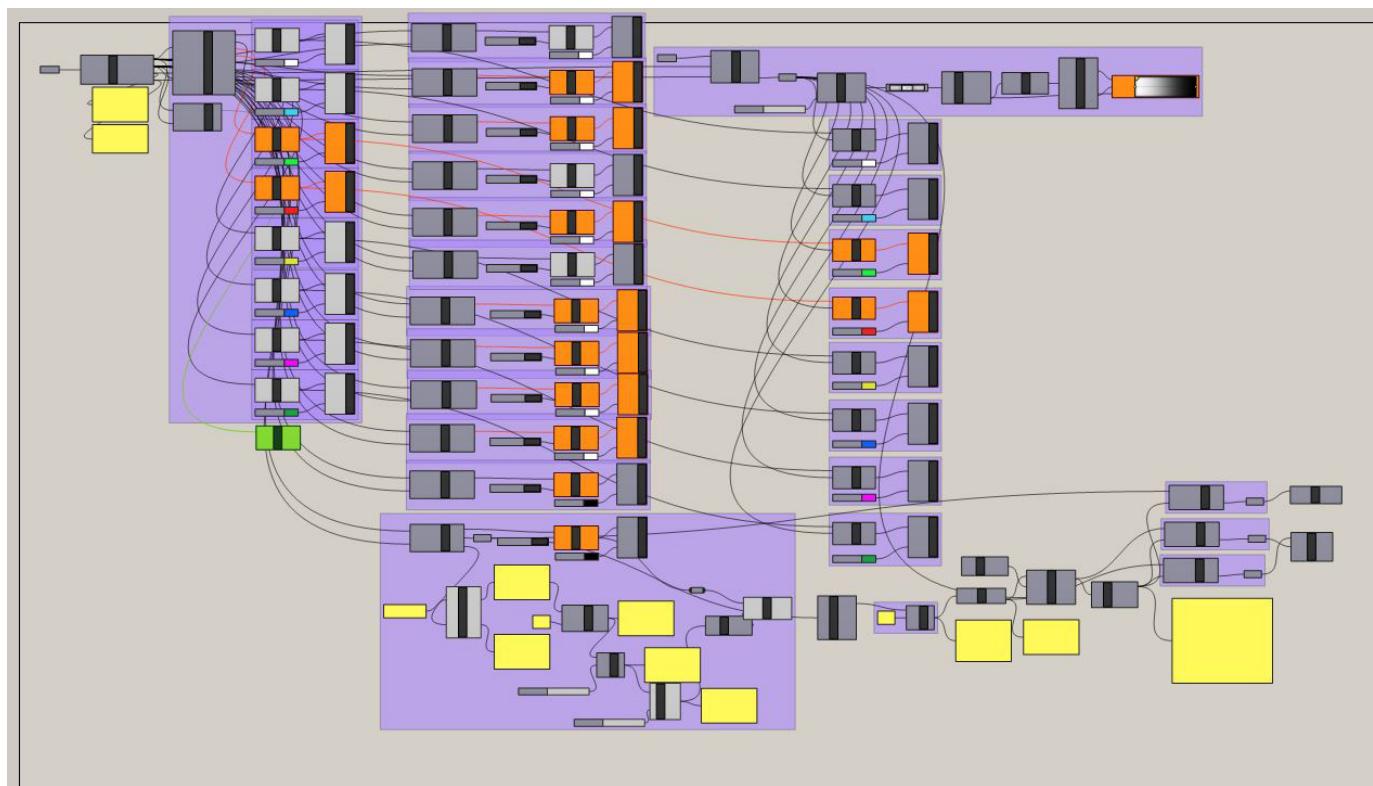
email: d.rodich@yahoo.com

mobile: 408-508-0480

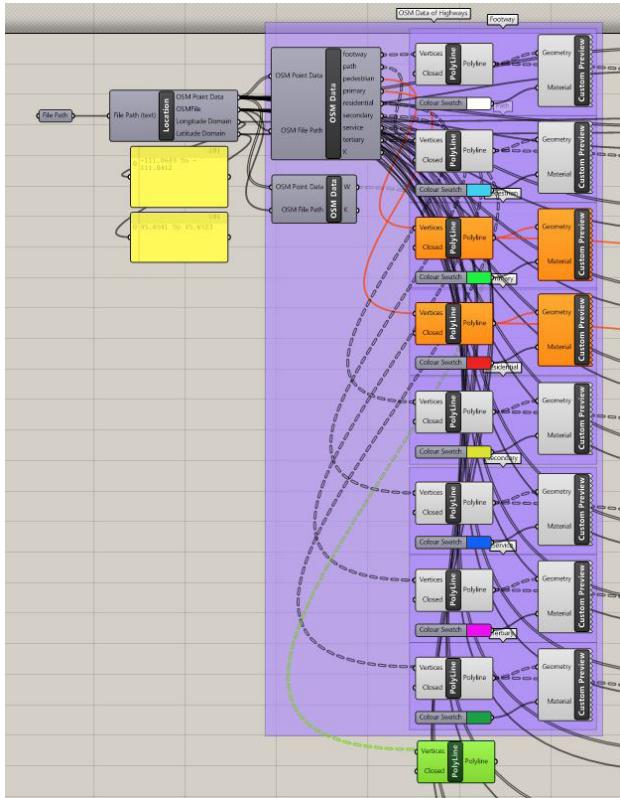
Site Plan from Grasshopper Script



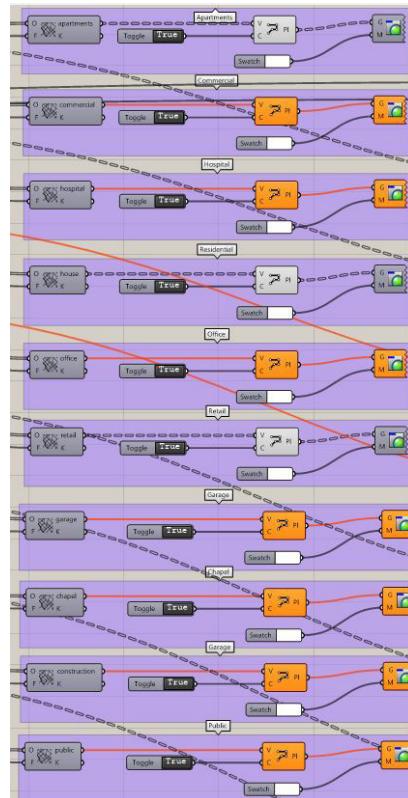
Grasshopper Script: Elk Site Plan



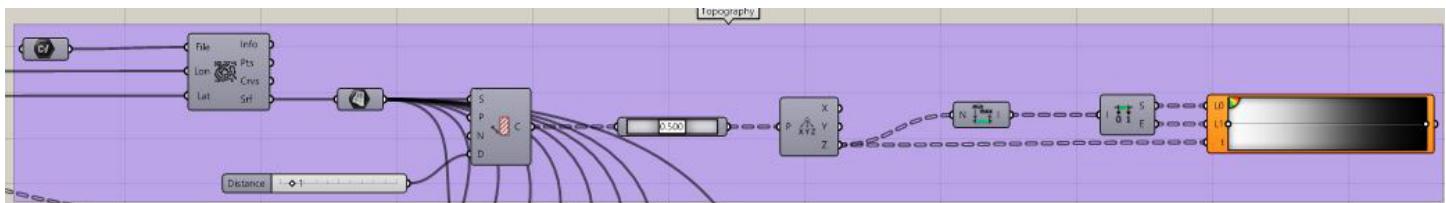
Grasshopper Script: Elk (Roads and Pathways)



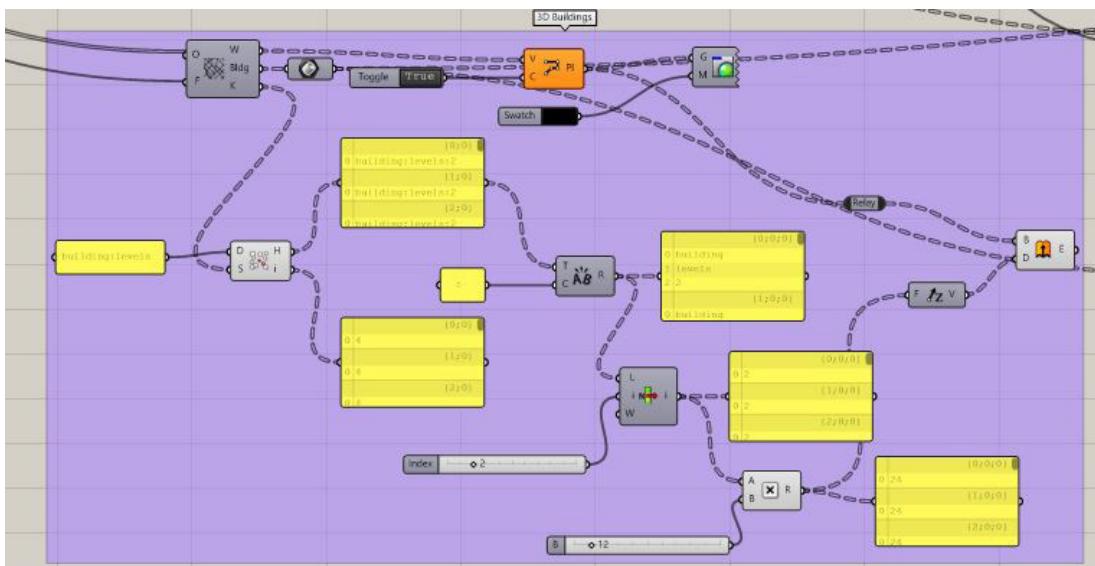
Grasshopper Script: Elk (Building Footprints)



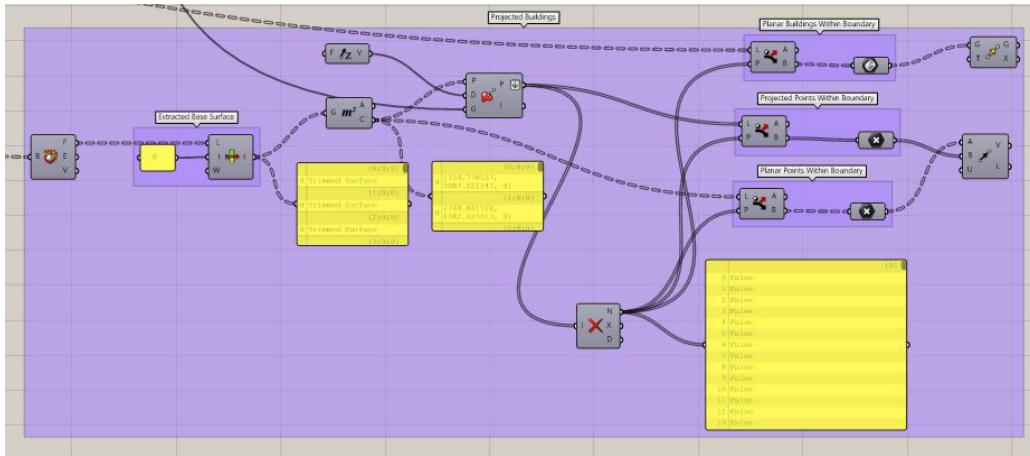
Grasshopper Script: Elk (Topography)



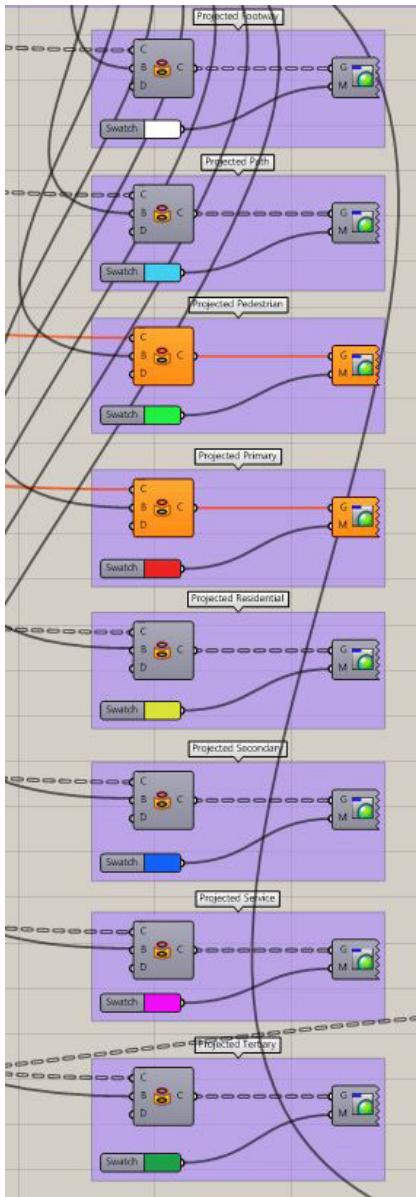
Grasshopper Script: Elk (3D Building Extrusion)



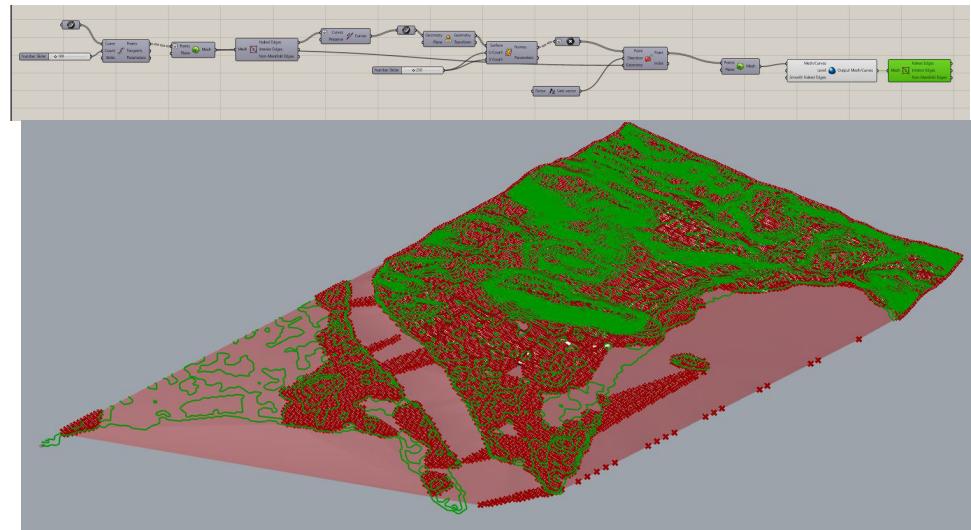
Grasshopper Script: Elk (Projected Buildings to Toposurface)



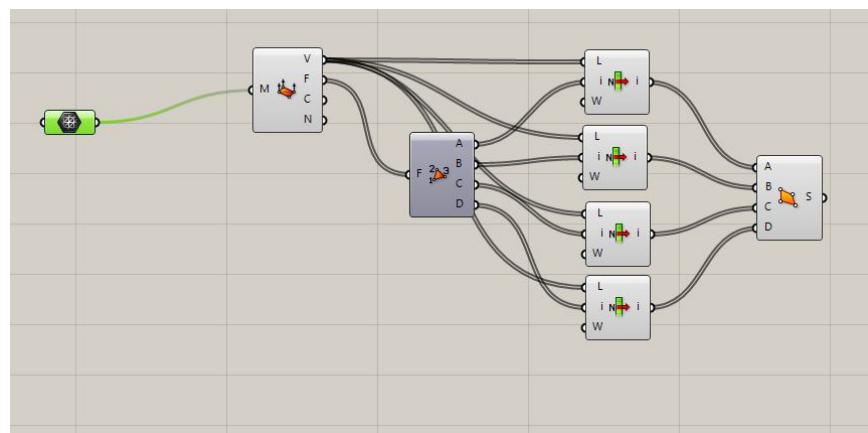
Grasshopper Script: Elk (Projected Roads to Toposurface)



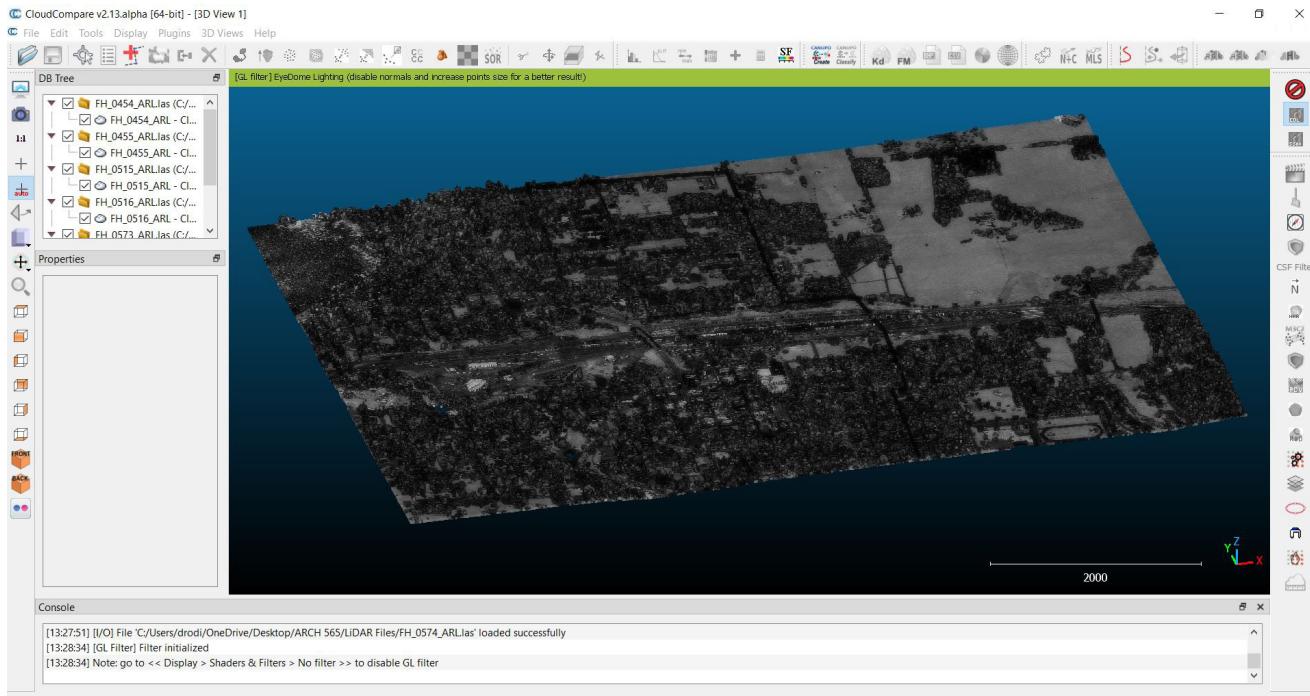
Grasshopper Script: Contours to Site Mesh



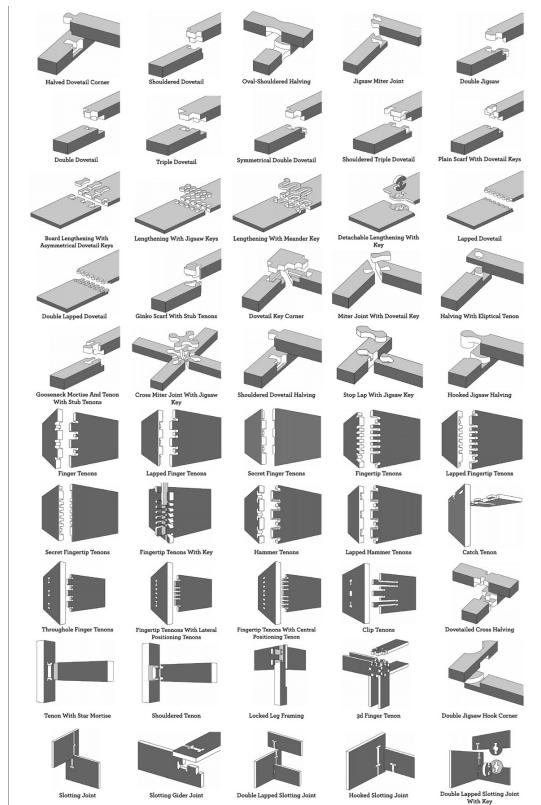
Grasshopper Script: Mesh to Surface



CloudCompare: Whitefish Site for Thesis



Examples of Different Joints for Thesis Project

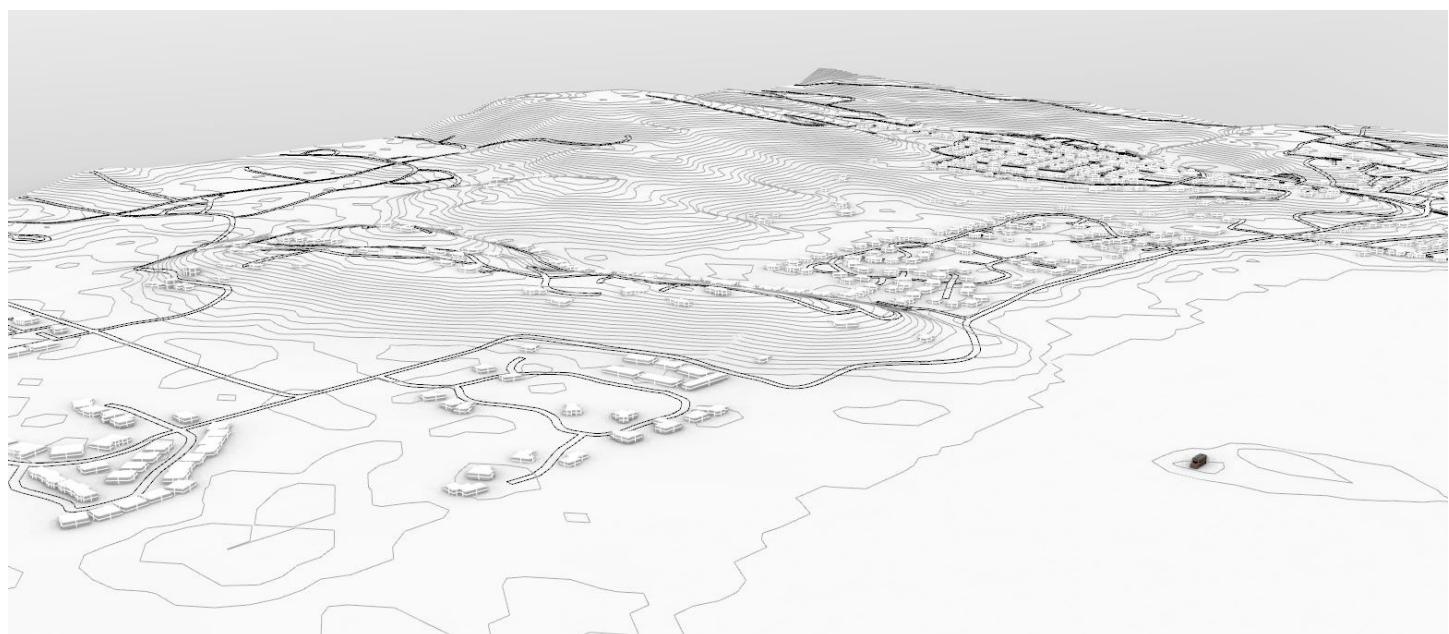
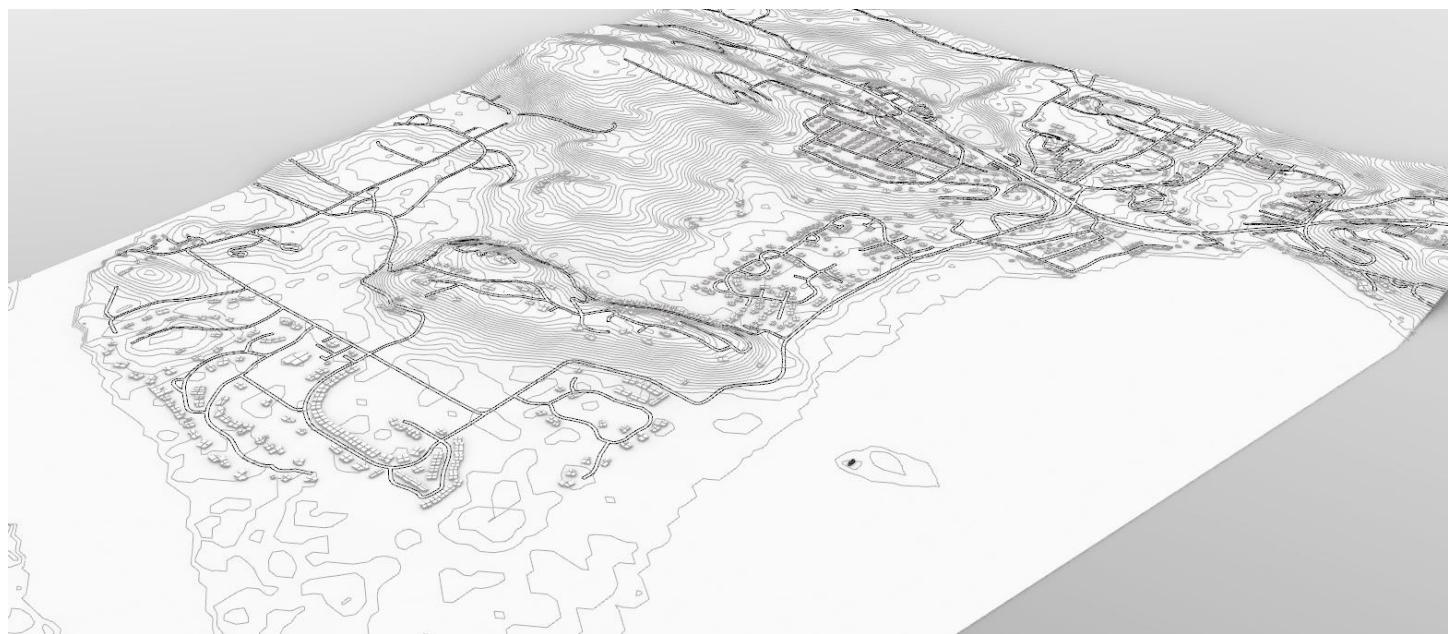


Derek Rodich - ARCH 565 Advanced Computer Applications II

email: d.rodich@yahoo.com

mobile: 408-508-0480

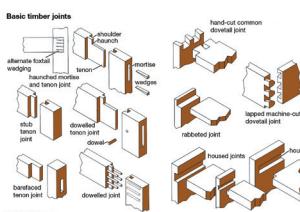
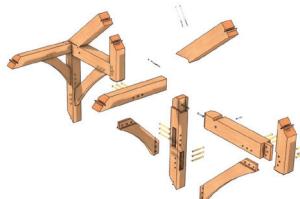
Site Model for ARCH 528 Project: (Contours to Surface Scripts and Elk Script)



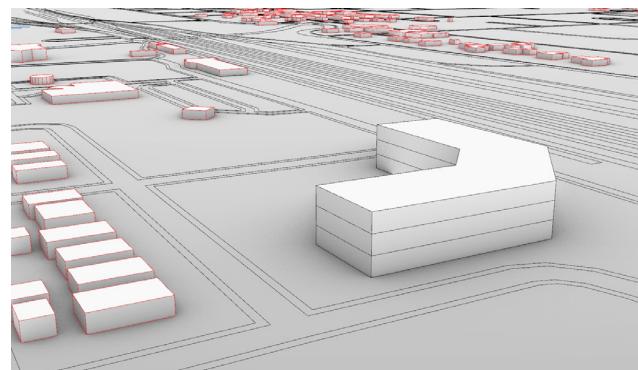
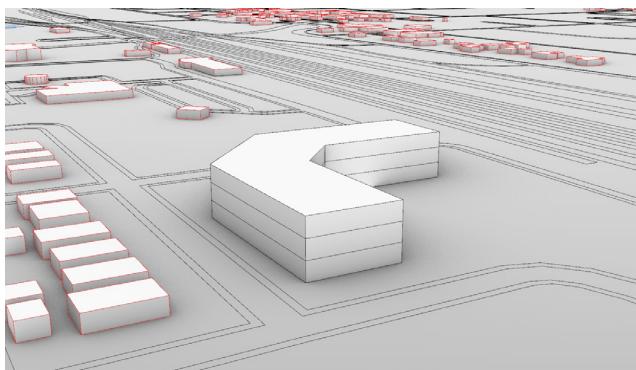
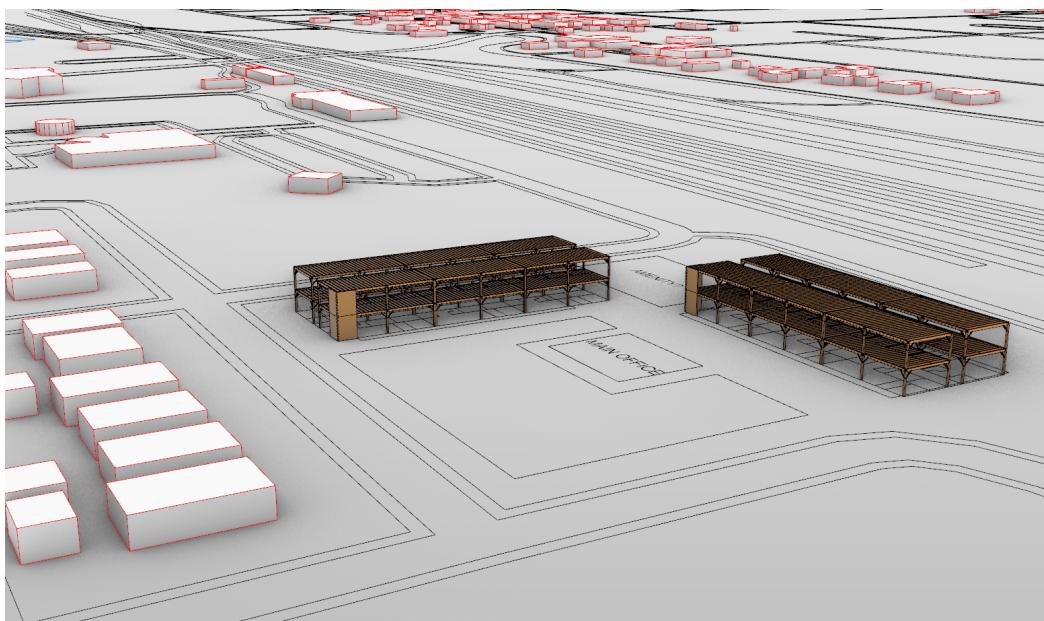
Derek Rodich - ARCH 565 Advanced Computer Applications II
email: d.rodich@yahoo.com
mobile: 408-508-0480

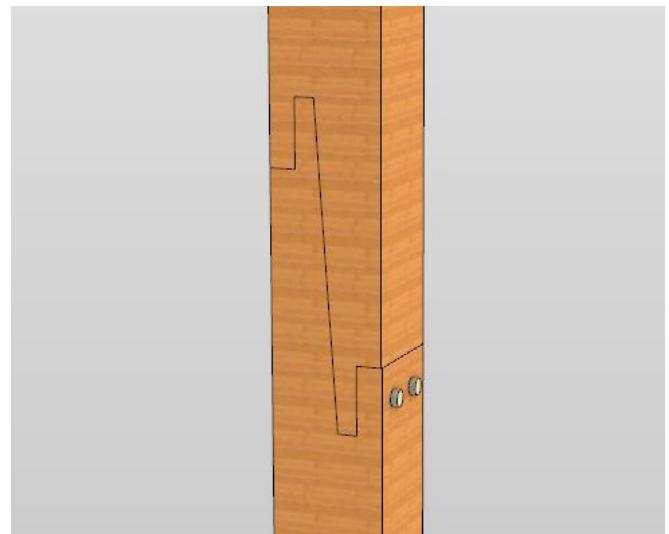
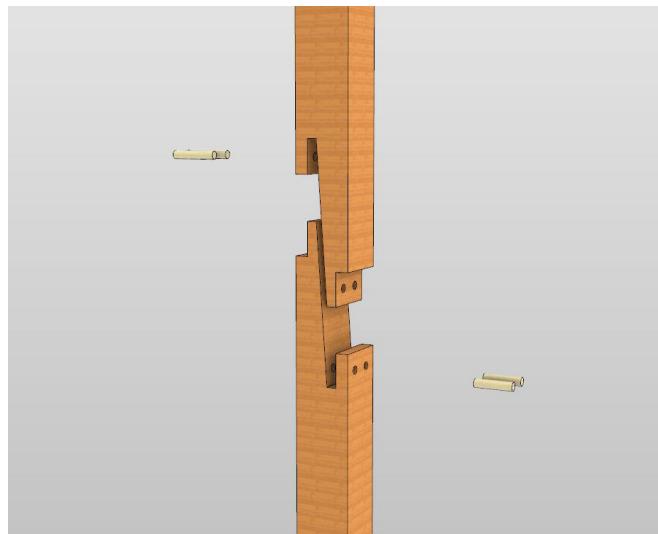
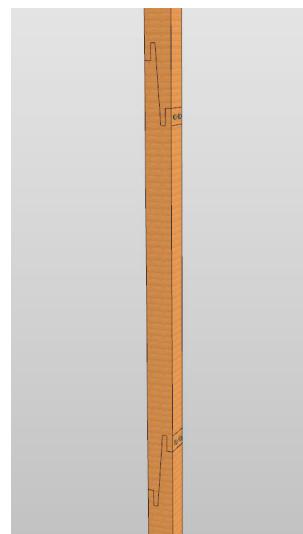
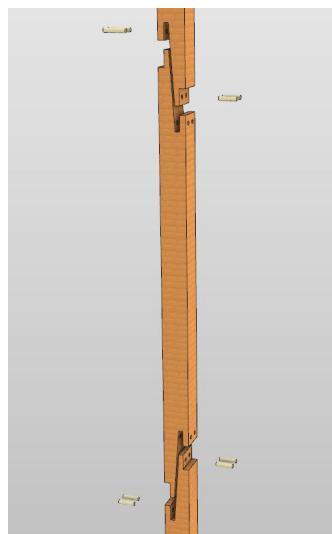
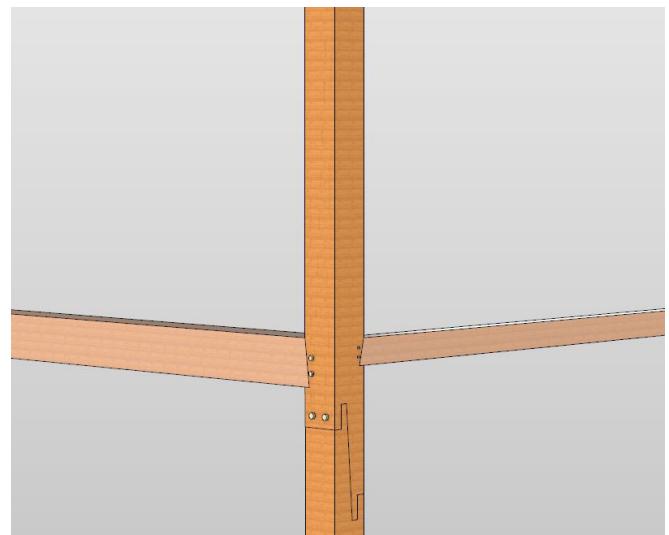
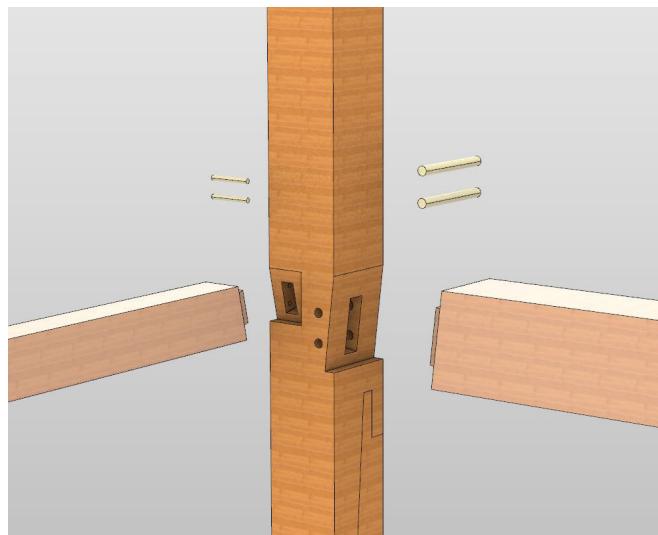
Sample Joint Research and Studies

Precedent Analysis

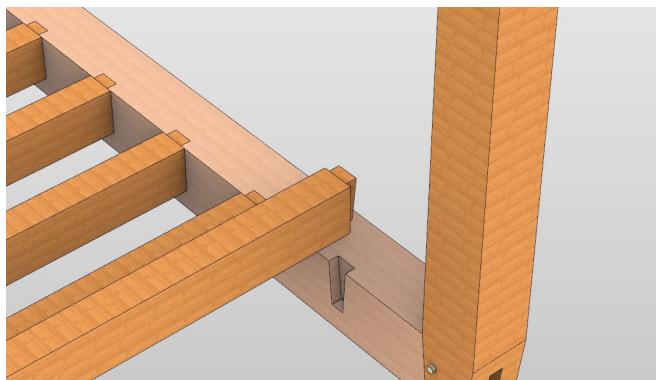
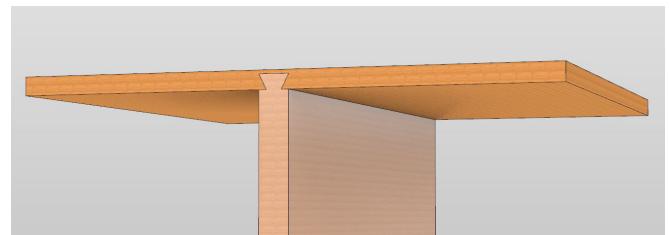
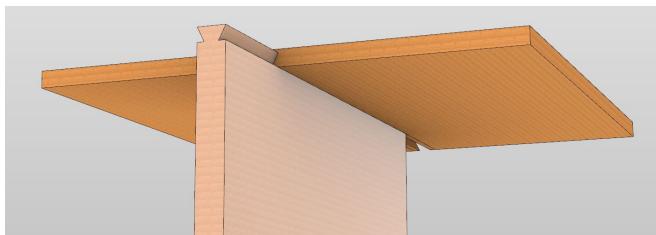
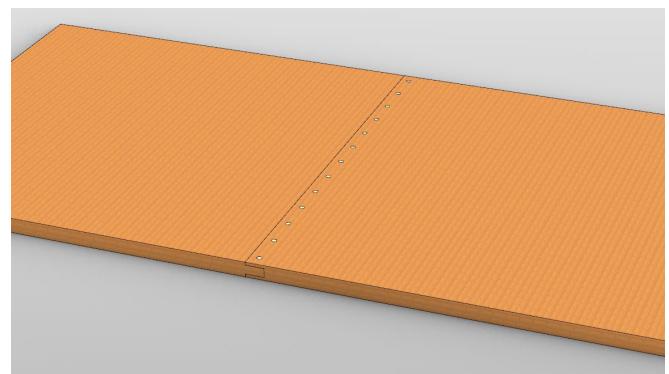
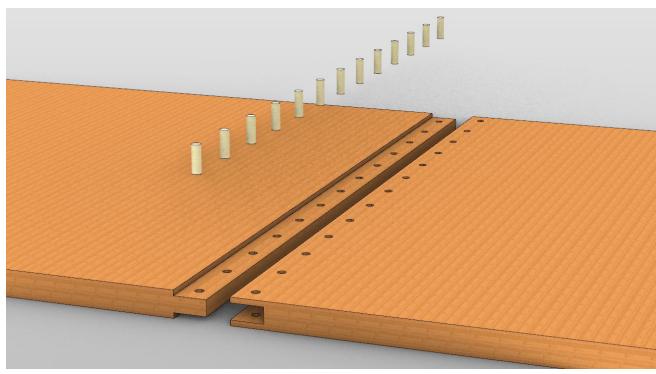
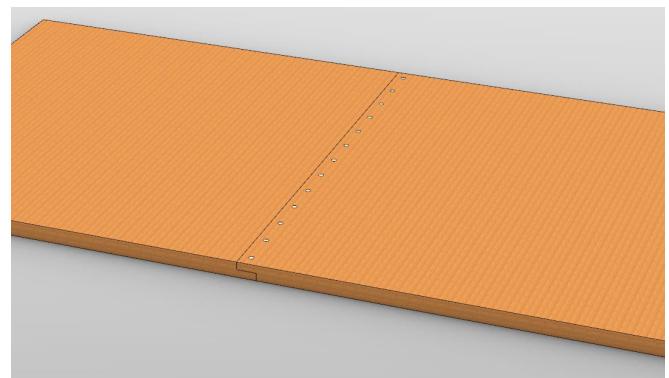
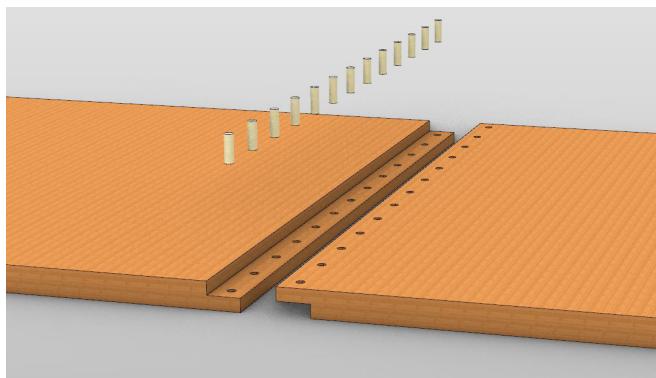


Preliminary Structural Analysis/Massing Models

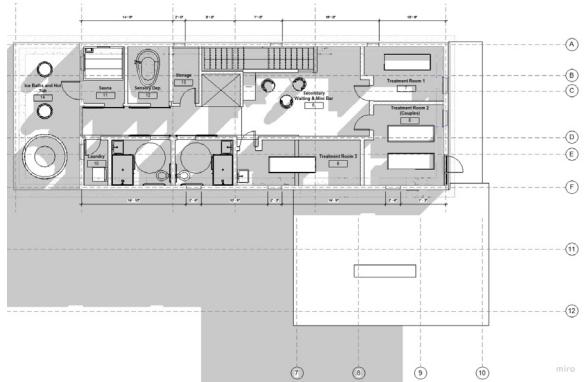
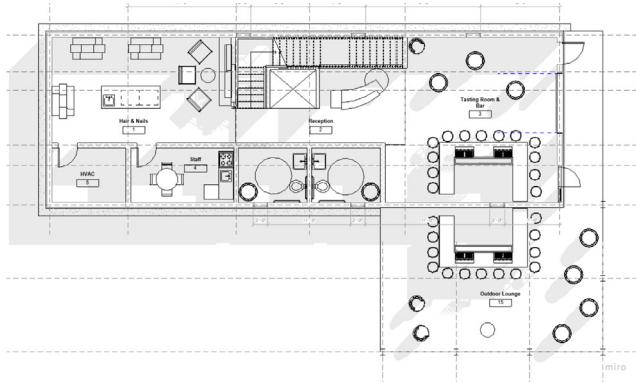
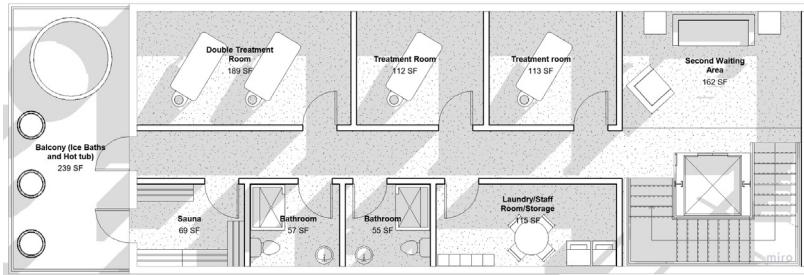
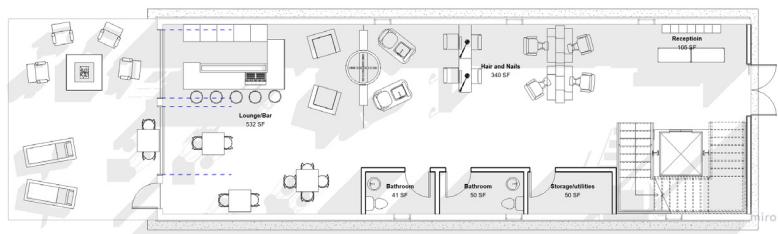




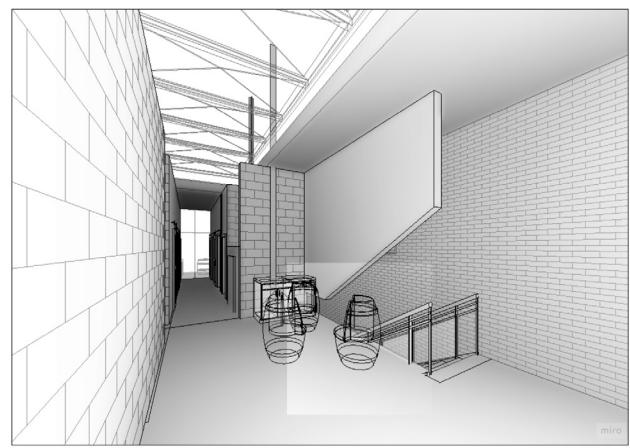
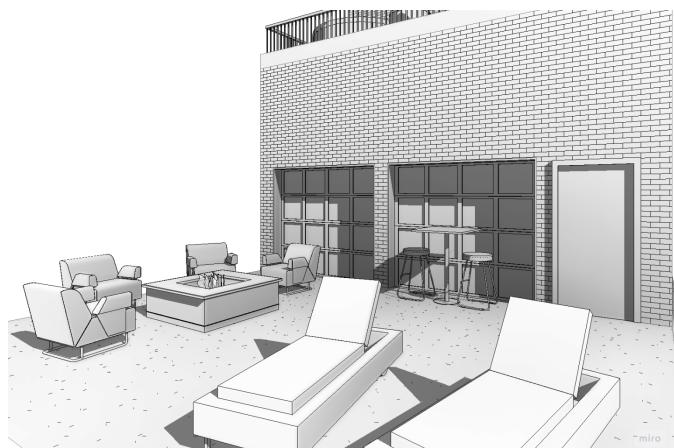
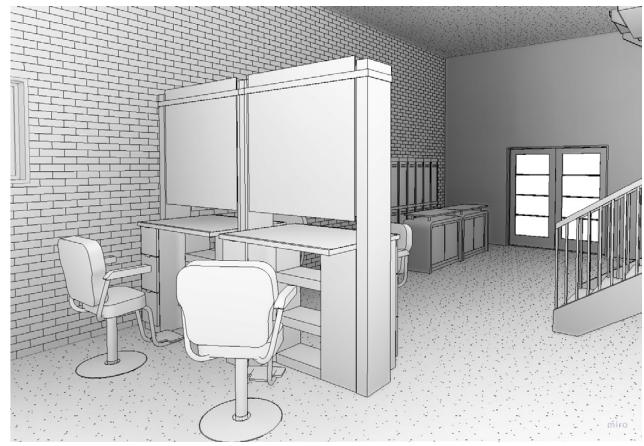
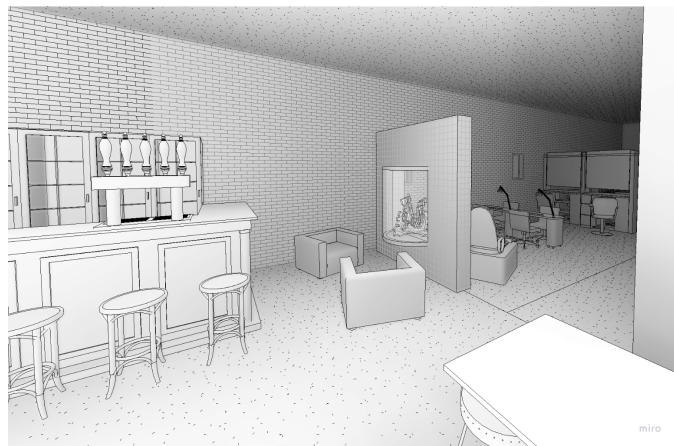
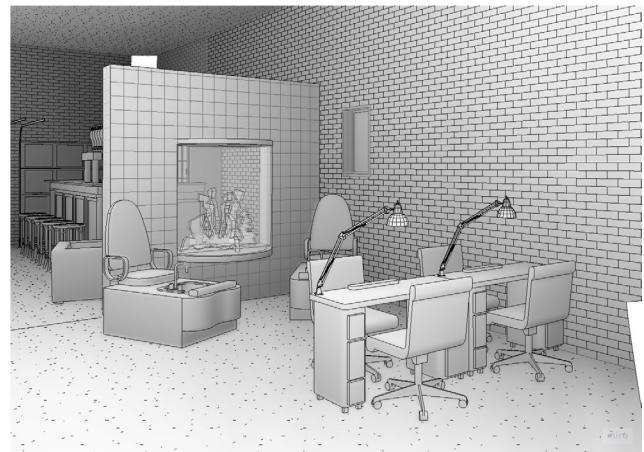
Derek Rodich - ARCH 565 Advanced Computer Applications II
email: d.rodich@yahoo.com
mobile: 408-508-0480



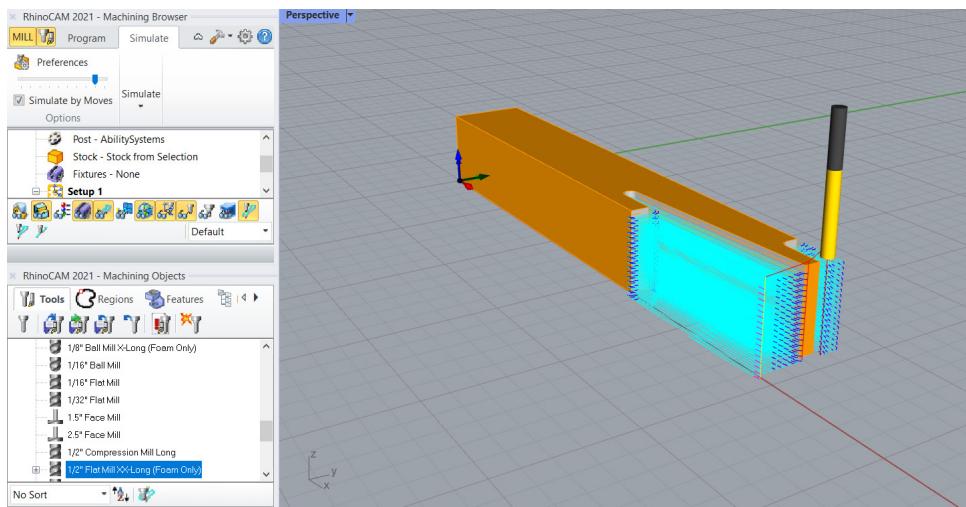
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Scarf Joint Horizontal Roughing Tool Path

CNC Mill Work

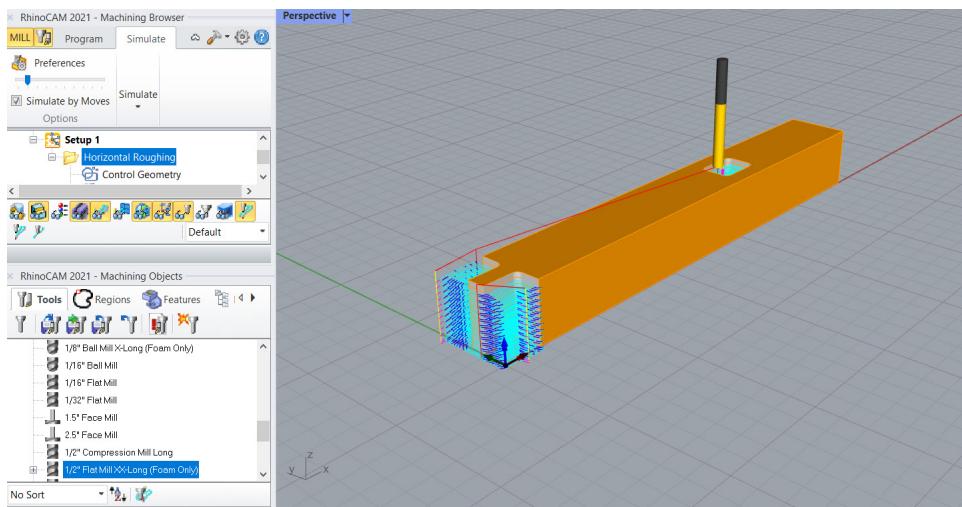


Final Product

Connection Detail showing Joint and Dowel Connection



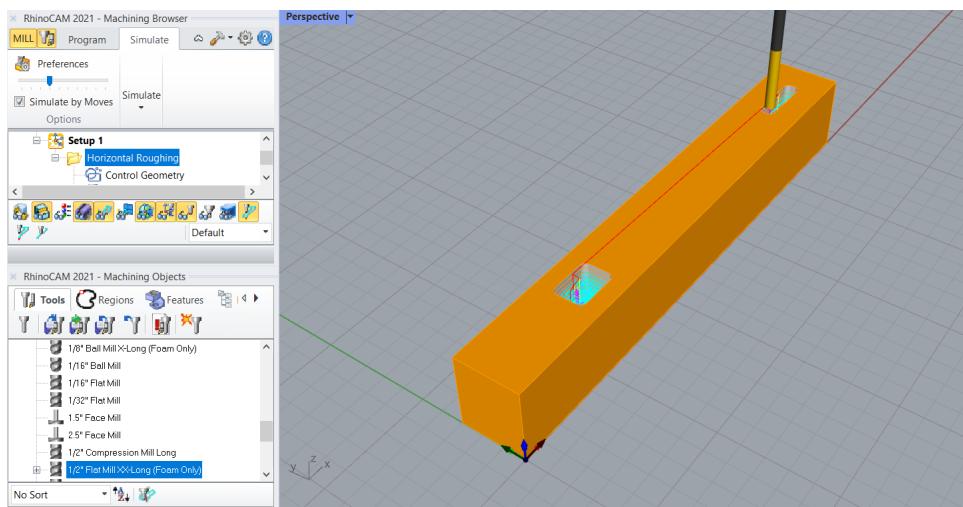
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email: d.rodich@yahoo.com
mobile: 408-508-0480



Mortise and Tenon Elbow
Joint Column Tool Path

Will have images of Final Product once cut

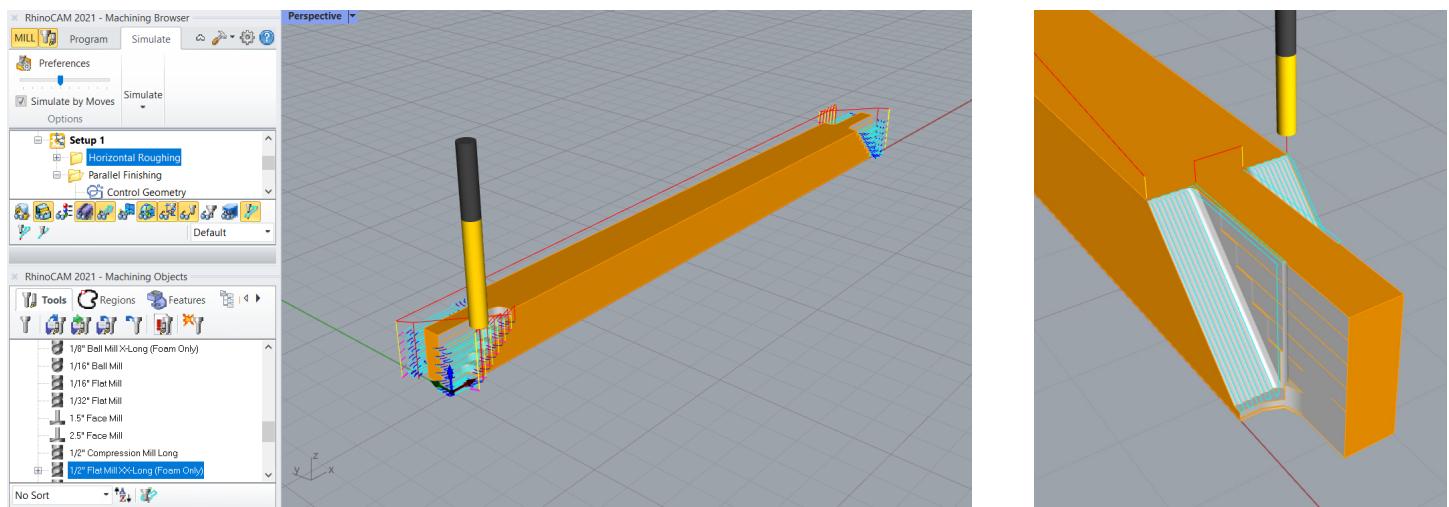
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email: d.rodich@yahoo.com
mobile: 408-508-0480



Mortise and Tenon Elbow Joint Beam Tool Path

Will have images of Final Product once cut

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email: d.rodich@yahoo.com
mobile: 408-508-0480



Mortise and Tenon Elbow Joint 45 Degree Bracket Tool Path

Will have images of Final Product once cut