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Abstract: Contour Crafting (CC) is an extrusion based method of rapid prototyping being introduced as a method of automating construction. This thesis takes a critical look at applying the system of Contour Crafting to single family housing and how the system could integrate with regards to site work, structure, systems, and finishes. This thesis also explores the potential sustainability of CC with regards to the reductions in carbon footprints and life cycle costs and utilizing LEED for Homes as a means of defining other potentially sustainable aspects of CC. The purpose of this thesis is to determine the strengths and weaknesses of the systems Contour Crafting and to determine if this new method of construction is appropriate for single family housing.
Bibliography