

Documentation Requirements

Topics	6 points	4 points	2 points	1 point
Two Potential Physical Solutions	Produces accurate sketches that meet the required design concepts. Is properly detailed for effective communication, including labels, descriptions, signatures, and dates.	Produces marginally sufficient sketches that meet the required design concepts. Is properly detailed for effective communication, including labels, descriptions, signatures, and dates.	Produces sketches that are difficult to visualize. Lacks details in sketches. Missing some details for effective communication, including labels, descriptions, signatures, and dates.	Produces incomplete sketches. Does not present the concept well. Missing several details for effective communication, including labels, descriptions, signatures, and dates.
Two Potential Program Solutions	Produces accurate program solutions. Is properly detailed for effective communication, including labels, descriptions, signatures, and dates.	Produces marginally sufficient program solutions that meet the required design concepts. Is properly detailed for effective communication, including labels, descriptions, signatures, and dates.	Produces program solutions that are difficult to visualize. Lacks details in sketches. Missing some details for effective communication, including labels, descriptions, signatures, and dates.	Produces incomplete program solutions that are difficult to visualize. Missing several details for effective communication, including labels, descriptions, signatures, and dates.
Final Physical Solution Concept Sketch or 3D Model	Solution is accurate and includes a high-quality sketch or 3D model. Meets the required design concepts.	Solution is mostly accurate and includes a high-quality sketch or 3D model. Meets most of the required design concepts.	Solution is somewhat accurate and includes a medium-quality sketch or 3D model. Meets some of the required design concepts.	Solution is not accurate and includes a medium-quality sketch or 3D model. Meets some of the required design concepts.
Final Physical Solution Concept Written Communication	Includes details for effective communication, including labels, descriptions, signatures, and dates.	Includes most details for effective communication, including labels, descriptions, signatures, and dates.	Is missing many details for effective communication, including labels, descriptions, signatures, and dates.	Is missing most details for effective communication, including labels, descriptions, signatures, and dates.