

Directions:

Evaluate the student by entering the appropriate number to indicate the degree of competency achieved.

Rating Scale (0-6):

- 0 No Exposure** – no experience/knowledge in this area; program/course did not provide instruction in this area
- 1 Unsuccessful Attempt** – unable to meet knowledge or performance criteria and/or required significant assistance
- 2 Partial Demonstration** – met some of the knowledge or performance criteria with or without minor assistance
- 3 Knowledge Demonstrated** – met knowledge criteria without assistance at least once
- 4 Performance Demonstrated** – met performance criteria without assistance at least once
- 5 Repeated Demonstration** – met performance and/or knowledge criteria without assistance on multiple occasions
- 6 Mastered** – successfully applied knowledge or skills in this area to solve related problems independently

0	1	2	3	4	5	6	A. Construct drawings	Notes:
							1. Demonstrate basic board drawing skills.	
							2. Demonstrate basic CAD skills.	
							3. Create foundation plans.	
							4. Create framing plans.	
							5. Create details.	
							6. Identify basic specification context.	
							7. Document materials used for specifications.	
							Other:	

0	1	2	3	4	5	6	B. Demonstrate related computer skills	Notes:
							1. Use programmable calculator.	
							2. Use word processing.	
							3. Use a spreadsheet.	
							Other:	

0	1	2	3	4	5	6	C. Apply math skills	Notes:
							1. Solve problems using trig functions.	
							2. Solve problems using algebraic equations.	
							3. Solve problems using descriptive geometry.	
							4. Perform conversions between measuring systems.	
							Other:	

0	1	2	3	4	5	6	D. Demonstrate measurement skills	Notes:
							1. Understand concept between 2D and 3D.	
							2. Use measuring tools.	
							3. Perform and record onsite observation.	
							Other:	

0	1	2	3	4	5	6	E. Demonstrate effectiveness in written and oral communication	Notes:
							1. Develop materials for presentation.	
							2. Develop and research background material.	
							3. Demonstrate communications with co-workers.	
							4. Demonstrate communications with external contacts.	
							Other:	

0	1	2	3	4	5	6	F. Understand teamwork in the engineering process	Notes:
							1. Conduct work in an ethical/professional manner.	
							2. Understand role within a team.	
							3. Demonstrate responsibility in problem solving (team).	
							4. Demonstrate responsibility in problem solving (individual).	
							Other:	

0	1	2	3	4	5	6	G. Understand building materials and construction sequence	Notes:
							1. Identify basic materials.	
							2. Understand appropriate use of materials.	
							3. Detail joining materials.	
							4. Understand critical sequencing of construction.	
							Other:	

0	1	2	3	4	5	6	H. Understand field testing of materials	Notes:
							1. Identify appropriate site test, eg., Soil, Percolation.	
							2. Understand implications of site test.	
							3. Identify important construction material testing.	
							4. Identify important construction material test, eg., welding, concrete.	
							Other:	

0	1	2	3	4	5	6	I. Understand issues regarding codes	Notes:
							1. Understand application of International Building Code.	
							2. Understand application of ADA.	
							3. Understand application of OSHA Code.	
							4. Understand application of Uniform Building Code.	
							Other:	

0	1	2	3	4	5	6	J. Understand relationship between and areas of responsibility of engineering fields	Notes:
							1. Understand role of surveyor.	
							2. Understand role of civil engineer.	
							3. Understand role of structural engineer.	
							4. Understand role of mechanical/electrical engineer.	
							5. Understand role of architect.	
							6. Understand role of contractor.	
							Other:	

0	1	2	3	4	5	6	K. Understand site factors	Notes:
							1. Understand site characteristics.	
							2. Conduct site analysis.	
							Other:	

0	1	2	3	4	5	6	L. Demonstrate personal safety skills	Notes:
							1. Understand basic office site safety.	
							2. Understand basic job site safety.	
							Other:	

0	1	2	3	4	5	6	M. Demonstrate Leadership	Notes:
							1. Demonstrate an understanding of Skills USA/VICA, its structure, and activities.	
							2. Demonstrate an understanding of one's personal values.	
							3. Perform task related to effective personal management.	
							4. Demonstrate interpersonal skills.	
							5. Demonstrate etiquette and courtesy.	
							6. Demonstrate effectiveness in oral and written communication.	
							7. Develop and maintain a code of professional ethics.	

							8. Perform basic task related to securing and terminating employment.	
							9. Perform basic parliamentary procedures in a group meeting.	
							Other:	