

Course Title: Building Construction Technologies 3 (EDITS)			
Course Number: 8720330			
NGSSS Benchmark	Content Focus	Number of Questions	Suggested Cognitive Complexity (per CPALMS)
Reporting Category 1: 23.0 Create construction documents, contract documents and specifications			
23.01	Explain the purpose and components of contract documents and specifications.	1	1 level 2
23.02	Design and draw plans, elevations, sections and details.	2	1 level 1 1 level 2
23.04	Create lists of materials and specifications.	2	2 level 2
<i>Reporting Category Total</i>		5	
Reporting Category 2: 24.0 Select the appropriate heavy equipment for a given task			
24.01	Identify different types and uses of heavy equipment	1	1 level 1
24.02	Describe the operations of different types of heavy equipment.	1	1 level 2
<i>Reporting Category Total</i>		2	
Reporting Category 3: 25.0 Identify local, state and federal codes and regulations			
25.01	Identify and locate local, state and federal codes, regulations and standards.	2	2 level 1
25.02	Identify local, state and federal regulatory agencies.	1	1 level 1
<i>Reporting Category Total</i>		3	
Reporting Category 4: 26.0 Perform site preparation and maintenance			
26.01	Determine zoning requirements.	1	1 level 2
26.02	Assess suitability for project.	1	1 level 2
26.03	Determine boundary lines	1	1 level 2
26.04	Determine elevations	1	1 level 1
26.05	Determine need to add, remove, or relocate fill.	1	1 level 2
26.06	Layout and mark building location and elevation	2	2 level 2
<i>Reporting Category Total</i>		7	
Reporting Category 5: 27.0 Estimate project costs and schedule construction activities for a specific job			
27.01	Calculate material quantities and purchase cost (including sales tax).	2	2 level 2
27.02	Calculate labor costs including work hours, duration and cost of workers.	2	2 level 2
27.03	Explain and compute federal, state and local taxes.	1	1 level 2
27.05	Determine amount to be charged to the client at various intervals throughout the project.	1	1 level 3
<i>Reporting Category Total</i>		6	
Reporting Category 6: 28.0 Investigate sustainability issues related to the design, construction and maintenance of the built environment			
28.03	Recommend sustainable alternatives to conventional construction practices.	2	2 level 1
<i>Reporting Category Total</i>		2	

Overall Percentage for Written Test: 30%

Overall Percentage for Performance Tasks: 70%

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Overall Percentage for Performance Tasks: ___70%_____

Performance Task #1	Students are to create a detailed blue print for a building, including foundation, elevations, and set-backs. A comprehensive materials list and cost evaluation, will be included.
Weighting Percent for this Task	70 %
Standard	23.02 Design and draw plans, elevations, sections and details. 23.04 Create lists of materials and specifications. 23.05 Use architectural and engineering scales. 25.0 Identify local, state and federal codes and regulations 26.0 Perform site preparation and maintenance 27.01 Calculate material quantities and purchase cost (including sales tax).
Exemplar (If applicable)	
Additional Information	
Suggested Assessment Team	Phil Huckabee Vince Oliveri

Rubric:

4	The project is neat, well documented, comprehensive , and accurate.
3	The project is accurate and comprehensive, lack of documentation and/or sloppy.
2	The project is lacking one major component, either material list or cost evaluation
1	Blue print only
0	No attempt to complete project

