

# 100% Pass Quiz 2026 Efficient NCARB PDD Valid Torrent

## NCARB PDD – Questions With Complete Solutions

The role of a specifier? Right Ans - 1. determine the responsibility for structural specs with structure engineer;  
2. coordinating standardized keynotes lists to be used on all drawings with the architect;  
3. obtain a preferred general condition document from the client through the architect;  
4. recommending everyone to use BIM;

What are included in the preliminary studies? Right Ans - 1. allowable height;  
2. allowable area and occupant allowance;  
3. fire rating requirements;

Percolation rate is used to determine what? Right Ans - To determine whether porous pavement should be used.

Forest Steward Council (FSC) Right Ans - Harvesting tree without violating people's right.

Under what condition can you put storage under stair? Right Ans - If it's protected with a minimum of 1-hour rated construction.

Where should the fire extinguisher cabinet (FEC) located? Right Ans - 48" - 60" AFF, no more than 4" extrusion.

Tear-out, Pull-through Right Ans - Tear-out: shear failure in a bolted connection due to tension at hole;  
Pull-through: a compression failure where bolts pull through the holes.

ANSI, ASTM Right Ans - ANSI: American National Standard Institute;  
ASTM: American Society for Testing Material, it's used for testing materials.

Composition of cement Right Ans - Limestone, clay, iron ore, gypsum

Subsystem estimate is used in which phases of design? Right Ans - SD and DD. Subsystem estimates deal with a project's functional units and it enables

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## NCARB PDD Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Construction Cost: This section of the exam measures the skills of Construction Managers and focuses on the financial side of project execution. It evaluates the ability to analyze construction cost estimates to confirm that they align with project design intent and budgetary constraints. Although this is the smallest section, it is critical for ensuring projects remain feasible and economically viable.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>• <b>Project Manual &amp; Specifications:</b> This section of the exam measures the skills of Specifications Writers and emphasizes the importance of developing documentation that goes beyond drawings. Candidates must understand how to identify and prioritize elements needed to prepare, maintain, and refine both the project manual and project specifications. It also assesses the ability to align and coordinate these specifications with the construction documents to ensure consistency and accuracy.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• <b>Integration of Building Materials &amp; Systems:</b> This section of the exam measures the skills of Architectural Designers and focuses on the ability to resolve and integrate various building systems into cohesive project goals. It covers analyzing architectural systems and technologies, determining the size of structural, mechanical, electrical, and plumbing systems, and incorporating specialty systems such as acoustics, lighting, security, and communications. It also evaluates the ability to detail how multiple building systems work together and to coordinate across disciplines to achieve a unified design.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Construction Documentation:</b> This section of the exam measures skills of Project Architects and addresses the creation and management of project documentation. Candidates are expected to demonstrate knowledge of documenting building design and site features, preparing detailed architectural drawings, and applying industry standards to produce a coordinated set of construction documents. The section also includes understanding how project changes impact documentation and how to communicate these updates effectively to both the design team and the client.:</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• <b>Codes &amp; Regulations:</b> This section of the exam measures skills of Building Code Specialists and examines how codes and regulations apply at a detailed level during documentation. Candidates are expected to demonstrate knowledge of compliance with the International Building Code (IBC) as well as other specialty regulations, as well as how to interpret and apply these standards to ensure design and documentation meet legal and safety requirements.</li> </ul>

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You have to put in some extra effort, time, and investment and prepare well to pass this milestone. Do you have a plan to get success in the NCARB PDD certification exam? Are you looking for the right study material that ensures your success in the Dupleader new real NCARB PDD Exam Questions on your first attempt? If your answer is yes then you just need to get help from Dupleader practice exam questions.

## NCARB ARE 5.0 Project Development and Documentation Exam Sample Questions (Q46-Q51):

### NEW QUESTION # 46

Proposed trees along a residential street next to a new development site should first be selected based on which of the following?

- A. Dense root systems and wind resistance
- B. Seasonal foliage, color, and scale
- **C. Adaptability to local climate and soil conditions**
- D. Provision of natural habitation for local wildlife

**Answer: C**

Explanation:

Selecting trees for residential streets near a new development should prioritize:

Adaptability to local climate and soil conditions to ensure healthy growth and longevity.

While seasonal foliage, color, scale, and wildlife habitat are important, they are secondary to ensuring the tree can survive and thrive in the environment.

Dense root systems and wind resistance are considerations but often come after adaptability is confirmed.

Reference:

NCARB ARE 5.0 Review Manual, Site Design and Environmental Systems chapter Landscape architecture best practices and local planting guides

#### NEW QUESTION # 47

Why is the vertical surface of a dry-stacked stone wall often battered into the retained material?

- A. Increased impermeability that reduces equivalent fluid pressure
- **B. Increased resistance to soil thrust**
- C. Increased cohesion between individual stones that make up the wall
- D. Increased resistance to surface erosion of the wall

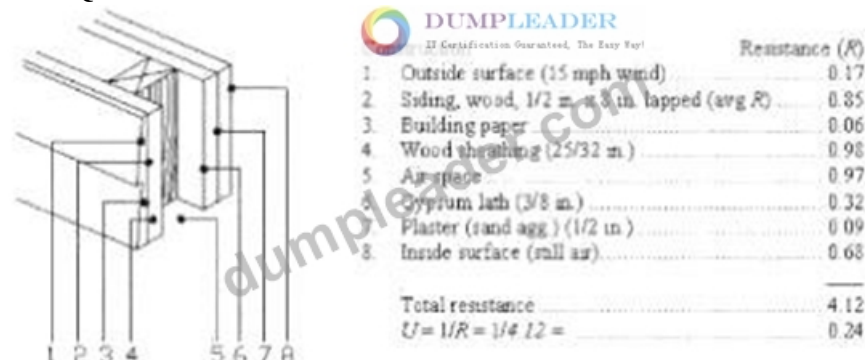
**Answer: B**

Explanation:

A battered (leaning back) face on a dry-stacked retaining wall improves stability against lateral earth pressure by shifting the wall's resultant closer to/within the middle third of the base, increasing frictional resistance and reducing overturning. It does not significantly change permeability (C) or directly increase cohesion between stones (D), and erosion resistance (B) is secondary compared to stability.

PDD References: Site & foundation systems-retaining wall behavior, active/passive earth pressures; IBC /Geotechnical fundamentals; CSI Div. 32 site improvements.

#### NEW QUESTION # 48



Refer to the exhibit.

What will the overall coefficient of Heat Transmission (U-value) of the building assembly illustrated in the attached figure become if unfaced R-19 batt insulation is added in the stud spaces in the wall cavity?

- A. 0.052
- **B. 0.043**
- C. 0.240
- D. 0.024

**Answer: B**


Explanation:

From the exhibit, the existing wall has a total thermal resistance  $R = 4.12$ .

Overall heat transmission (U-value) is  $U = 1/R = 1/4.12 \approx 0.24$ , which matches the figure.

If unfaced R#19 batt insulation is added in the stud cavity, the total resistance increases by 19:

A math equations and numbers AI-generated content may be incorrect.


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$$R_{\text{new}} = 4.12 + 19 = 23.12$$

$$U_{\text{new}} = \frac{1}{R_{\text{new}}} = \frac{1}{23.12} \approx 0.043$$

Thus, the overall U-value  $\approx 0.043$ .

*(Note: This simplified calculation assumes full, continuous R-19 in the cavity and ignores thermal bridging through studs—consistent with typical exam problems unless otherwise noted.)*

References (ARE PDD Study):

- \* Architectural Graphic Standards-Thermal properties of envelope assemblies; R and U relationships.
- \* Building Construction Illustrated (Ching)-Heat flow through walls and calculating U-values.
- \* NCARB ARE 5.0 Handbook-PDD: Building Envelope performance and energy calculations.

#### NEW QUESTION # 49

A family-owned apple farm in the Upper Midwest is taking advantage of a change in the local zoning code that added a new Agri-Tourism class in the existing farm zone. This allows the Owner to build a new facility on their existing site. The building will be open to the public and include a brewery, distillery, tap room, and market. The architect is ready to submit the drawings to the Owner for the 50% construction documents review.

To accommodate a compressed construction schedule, the Owner will be utilizing a design-build process. The Contractor has submitted the Pre-Engineered Metal Building (PEMB) shop drawings to the Architect for review, due to the lead time on this critical path item. Once construction begins, farming operations must be able to continue uninterrupted.

Key project information includes:

- \* Brewing and distilling will operate year-round.
- \* Brewery will initially include four fermenting tanks. Owner has requested space for at least two additional tanks. Potential expansion will be based on future sales.
- \* Distillery will produce 16% alcohol, which is classified as a flammable liquid. Fire separations are required.
- \* Tap Room is designed with seating for 300 people, not including exterior patio seating. It will have views to the working orchards and the historic buildings on site.
- \* Tap Room is scheduled to be open from August through November. Owner would like options to extend operating dates based on popularity.
- \* The Market area will feature local farm products and is not conditioned.
- \* Entire building will be fully sprinklered.
- \* Selected building materials are low-maintenance, as requested by the Owner, for durability and to reflect the nature of a working farm.
- \* Mechanical and electrical systems will be hung from the building structure. These loads are included in PEMB shop drawings.
- \* Public water and sewer is not available at the Project Site.
- \* Occupancy sensors are included to reduce utility costs and achieve energy conservation requirements.

The following resources are available for your reference:

- \* Architectural Drawings, including plans, elevations, sections, and schedules
- \* Consultant Drawings, including structural, HVAC, power distribution, and plumbing
- \* PEMB Shop Drawings
- \* Design and Construction Schedule
- \* Specification Excerpts, showing relevant spec sections
- \* IBC and ADA Excerpts, showing relevant code and accessibility sections
- \* After reviewing the documents, the architect discovers a coordination issue in the corridor.

The owner decides to triple the size of the distillery component of the project to make hand sanitizer and wants to use the Tap Room spaces adjacent to the brewery and distillery for this purpose.

Which of the following must the architect reevaluate and change to accommodate this request? Check the three that apply.

- **A. A-01 LIFE SAFETY PLAN**
- B. A-02 SITE PLAN
- C. A-06 EXTERIOR ELEVATIONS

- D. A-05 ROOF PLAN
- E. A-03 FLOOR PLAN
- F. A-04 REFLECTED CEILING PLAN

**Answer: A,E,F**

Explanation:

Tripling the distillery and converting adjacent Tap Room areas to production introduces additional hazard (flammable liquids), changes occupancies/occupant loads, and requires updated fire separations and egress.

A-01 Life Safety Plan must be revised for occupancy classification, fire#resistance ratings between uses, travel distances, exit widths/number, and signage.

A-03 Floor Plan must change to show new room uses, rated partitions/doors, openings, and equipment footprints.

A-04 Reflected Ceiling Plan must change for new/relocated rated assemblies at ceilings (e.g., continuity of fire/smoke barriers), sprinkler/exit sign/FA device locations, and any duct-damper/access changes.

Site (B), Roof (E), and Elevations (F) are not directly driven by the interior use change.

PDD refs: IBC Chs. 3, 5-10 (occupancy, separation, egress), coordination of architectural, fire protection, and MEP on drawings (Division 01).

### NEW QUESTION # 50

During the documentation of an office building, the owner requests a fitness center amenity be added to the scope. The mechanical engineer informs the architect that the mechanical unit currently located on a utility mezzanine will need to increase in size to accommodate the required increased capacity.

Who should the architect confirm with that the larger unit will work in this location?

- A. Accessibility consultant
- B. Structural engineer
- C. Authority having jurisdiction
- D. Building owner

**Answer: B**

Explanation:

When the mechanical unit on a utility mezzanine increases in size:

The structural engineer must confirm the mezzanine can support the increased weight and dynamic loads of the larger unit.

The architect coordinates with the structural engineer to ensure structural integrity.

The building owner is informed but not responsible for technical assessment.

The authority having jurisdiction (AHJ) oversees code compliance but not structural verification.

Accessibility consultant deals with accessibility issues, not mechanical equipment sizing.

Reference:

NCARB ARE 5.0 Review Manual, Project Development and Documentation chapter Building systems coordination and structural integration

### NEW QUESTION # 51

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