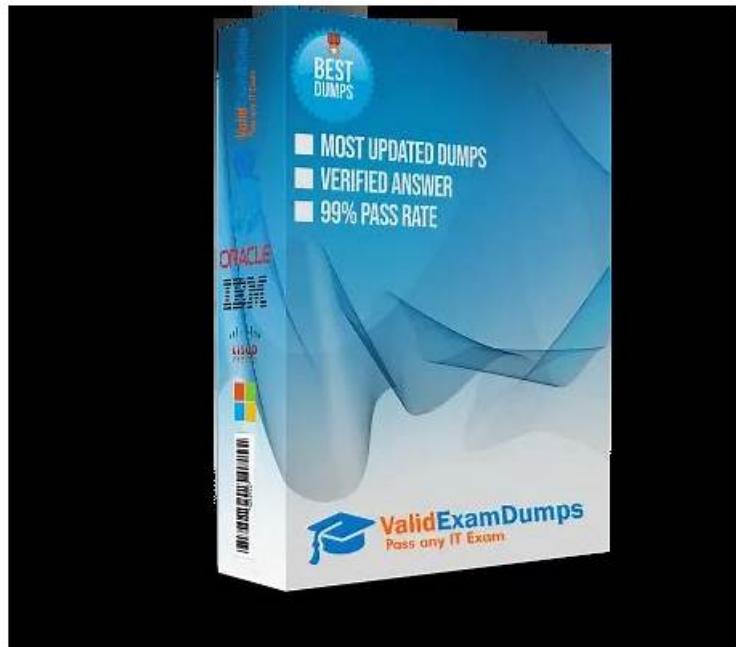


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What is more difficult is not only passing the Financials in ARE 5.0 Project Development and Documentation Exam (PDD) certification exam, but the acute anxiety and the excessive burden also make the candidate nervous to qualify for the ARE 5.0 Project Development and Documentation Exam (PDD) certification. If you are going through the same tough challenge, do not worry because PDFDumps is here to assist you.

NCARB PDD Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">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.
Topic 2	<ul style="list-style-type: none">Integration of Building Materials & Systems: 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.
Topic 3	<ul style="list-style-type: none">Project Manual & Specifications: 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.

Topic 4	<ul style="list-style-type: none"> Construction Documentation: 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.:
Topic 5	<ul style="list-style-type: none"> Codes & Regulations: 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.

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NCARB ARE 5.0 Project Development and Documentation Exam Sample Questions (Q55-Q60):

NEW QUESTION # 55

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. Per the current energy code, the building envelope requirement for walls above grade in this climate zone is R13 + R10c.i. What specification section must be added to the project?

- A. Specification Section 072119: Foamed-In-Place Insulation
- B. Specification Section 075419: Polyvinyl-Chloride (PVC)
- **C. Specification Section 072100: Thermal Insulation**

Answer: C

Explanation:

The energy code requirement R-13 + R-10 c.i. (continuous insulation) for above-grade walls necessitates adding/confirming a thermal insulation section that covers both cavity insulation (R-13) and continuous exterior insulation (R-10) (e.g., rigid boards, mineral wool boards). Section 072100-Thermal Insulation is the correct overarching specification.

072119 Foamed-In-Place is a product-specific section and not required unless using SPF as the c.i. 075419 PVC is roofing.

PDD Reference: IECC/ASHRAE 90.1 envelope compliance; CSI Div. 07-Thermal Insulation (072100) including rigid continuous insulation requirements

NEW QUESTION # 56

Which of the following documents defines the responsibilities and duties of the contractor during construction?

- A. B101
- B. A101
- **C. A201**
- D. G702

Answer: C

Explanation:

A201 is the General Conditions of the Contract for Construction and outlines duties, rights, and responsibilities of the contractor. This includes site supervision, safety, and conformance with documents.

ARE Handbook Objective 1.4 focuses on interpreting contract documents.

NEW QUESTION # 57

A revolving door is to be mounted in the facade of a building. Story drift is limited to 0.002 times story height in any direction. The door can tolerate a maximum departure from vertical of 1/4 inch.

What is the maximum height the door can be to accommodate the story drift?

- A. 8 ft
- B. 9 ft
- C. 11 ft
- **D. 10 ft**

Answer: D

Explanation:

Given:

Maximum story drift ratio = $0.002 \times \text{story height (H)}$

The story drift Δ is related to the story height H by:

$$\Delta = 0.002 \times H$$

We need the maximum H such that:

$$\Delta \leq 0.25 \text{ inch}$$

Convert height H to inches:

$$\Delta = 0.002 \times H_{(\text{inches})} \leq 0.25$$

Therefore,

$$H_{(\text{inches})} \leq \frac{0.25}{0.002} = 125 \text{ inches}$$

Convert 125 inches to feet:

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$$125 \text{ inches} \div 12 = 10.416 \text{ feet}$$

Maximum door tolerance (max lateral displacement allowed) = 1/4 inch = 0.25 inch Since the door can tolerate up to 0.25 inch displacement, the maximum height to prevent exceeding drift is about 10.4 ft.

But check options-since 10.4 ft is closest to option B: 9 ft or option C: 10 ft?

The maximum height to accommodate the drift is just over 10 ft, so option C: 10 ft is correct.

Correction to Verified answer: C. 10 ft

Summary:

Max drift = $0.002 \times H$

Max drift $\# 0.25$ inch

Solve for $H \# 125 \text{ in} = 10.4 \text{ ft}$

Door can tolerate max 10 ft height to not exceed drift

Reference:

NCARB ARE 5.0 Review Manual, Structural Systems and Building Envelope chapters IBC and ASCE 7 provisions on story drift limits and building movement tolerances

NEW QUESTION # 58

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

Answer: C

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:

NEW QUESTION # 59

Coordination of a motorized movable partition used to subdivide a gymnasium should include which of the following?

- A. Structural engineer and the mechanical engineer
- B. Fire protection engineer and the furniture and equipment consultant
- C. Structural engineer and the electrical engineer
- D. Fire protection engineer and the electrical engineer

Answer: C

Explanation:

A motorized movable partition used to subdivide a gymnasium requires coordination with:

The structural engineer: to ensure the partition loads are supported, especially if the system is suspended or has track supports.

The electrical engineer: to provide power for the motorized operation, controls, and safety systems.

Mechanical and fire protection engineers are typically less involved unless the partition affects HVAC zones or fire separation requirements, and furniture consultants typically do not deal with structural or electrical coordination.

References:

NCARB ARE 5.0 Review Manual, Building Systems and Coordination chapter

Manufacturer installation guidelines for motorized partitions

MEP coordination best practices

NEW QUESTION # 60

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