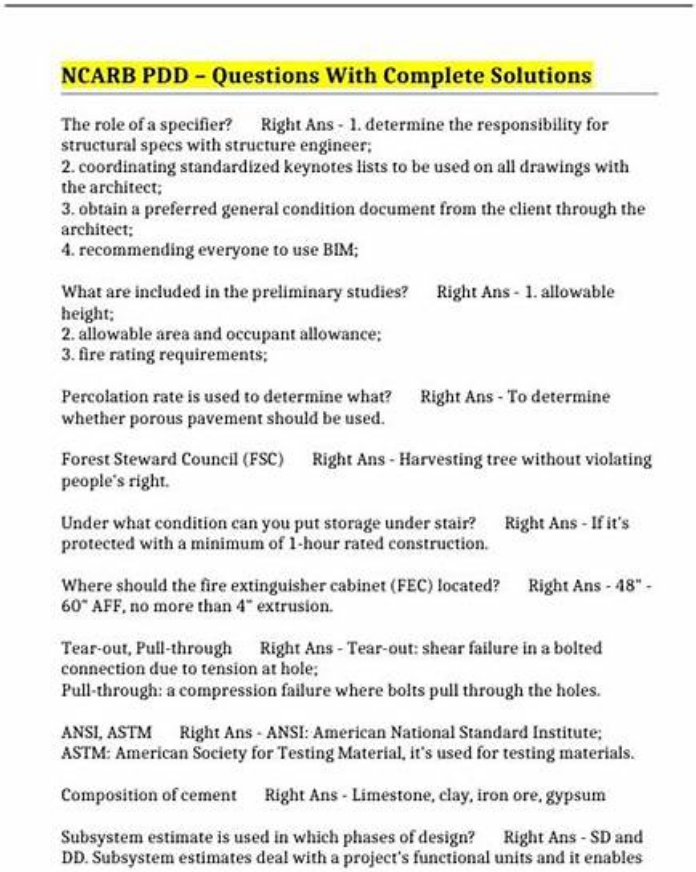
NCARB PDD Practice Braindumps & Latest PDD Exam Cost



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	• 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 2	• 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 3	• 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.
Topic 4	• 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 5	• 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.:

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NCARB ARE 5.0 Project Development and Documentation Exam Sample Questions (Q32-Q37):

NEW QUESTION # 32
Which of the following methods of mortar joint finishing has the greatest weatherability?

- A. Weathered
- B. Raked
- C. Extruded
- D. Concave

Answer: D

Explanation:
Mortar joint finishes impact water resistance and weatherability:
Concave joint is the most weather-resistant. The joint is compressed and curved inward, forming a dense, compact surface that sheds water effectively.
Weathered joint slopes outward but is less compact than concave.
Raked joint is recessed and can hold water, less weather-resistant.
Extruded joint protrudes and tends to trap water and dirt.
Therefore, concave joints provide the best weather protection.
Reference:
NCARB ARE 5.0 Review Manual, Materials and Assemblies chapter

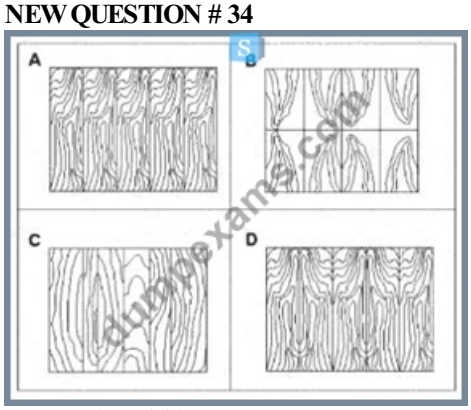
Masonry construction standards and detailing guides

NEW QUESTION # 33
Where is the proper place to put a vapor barrier in a cold climate?

- A. On the interior between the gypsum wallboard and the framing
- B. On the exterior between the metal siding and the sheathing
- C. In the cavity of the framing space
- D. On the exterior between the framing and the sheathing

Answer: A

Explanation:
In cold climates, the vapor drive is from the warm interior to the cold exterior during winter. The vapor retarder/barrier belongs on the warm-in-winter side of the assembly-i.e., behind the interior gypsum, before the framing/insulation-to prevent interior moisture from reaching cold layers where it could condense.
PDD references: Psychrometrics & vapor drive; vapor retarder placement (ASHRAE; IBC/IECC guidance; ARE 5.0 PDD-Thermal & Moisture Protection).

NEW QUESTION # 34


Refer to the exhibit.
Which of the following examples of wood paneling depicts the method of "slip matching" between adjacent wood veneers?

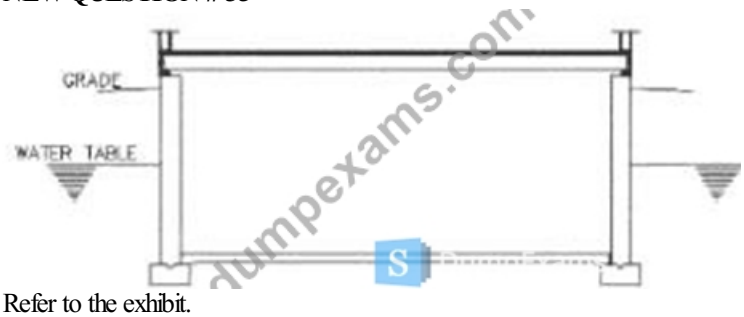
- A. D
- B. B
- C. C
- D. A

Answer: D

Explanation:
Understanding Slip Matching in Wood Veneer
When wood veneer is sliced from a log, each sheet (or "leaf") has a repeating grain pattern. How those sheets are arranged side-by-side on a panel is called the matching method.
Slip Matching:
* Consecutive leaves are laid side-by-side without flipping or reversing them.
* This creates a repeating grain pattern that flows consistently across the panel.
* The result is a uniform, continuous grain with no "mirror image" effect - the cathedrals and figure in the grain run in the same direction from sheet to sheet.
* Slip matching often produces a striped effect if the grain is straight, or a flowing, consistent repeat if the grain is more figured.
Identifying Slip Matching in the Exhibit:
* Option A shows consecutive veneer leaves with the grain pattern running in the same orientation across the panel - no mirroring, only repetition. This is classic slip match.
* Option B shows book matching - where every other leaf is flipped horizontally to create a mirrored grain pattern.
* Option C appears to be random matching - leaves are placed without grain sequence alignment.
* Option D shows reverse slip matching - similar to slip match but alternating leaves are reversed end- to-end.
NCARB ARE 5.0 PDD Study Guide References:

* Content Area: Integration of Materials & Finishes - Millwork and Casework Veneer Matching Methods
* Sources:
* Architectural Woodwork Standards (AWS) - Section on Veneer Matching
* Architectural Graphic Standards - Finish Carpentry and Veneer Matching
* Building Construction Illustrated (Ching) - Interior Finish Carpentry Key Point:
Slip matching keeps all veneer leaves in the same orientation, producing a consistent flow of the grain without the mirrored effect seen in book matching.

NEW QUESTION # 35



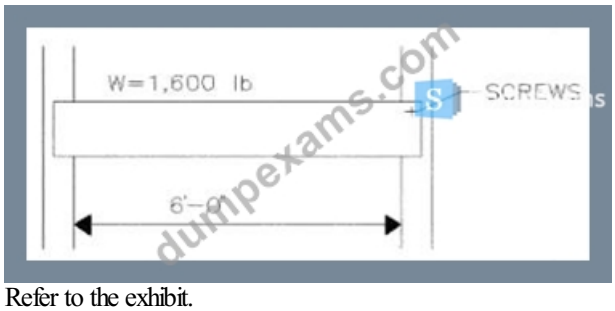
Refer to the exhibit.
During spring rains, the foundation walls around the basement space, as illustrated, experience an increase in lateral pressures.
Which one of the following is also a major concern?

- A. Vertical upward pressure on the basement floor
- B. Differential lateral pressure on total building structure
- C. Increased weight on the footings
- D. Moisture absorption of the concrete foundation wall

Answer: A

Explanation:
The diagram shows a basement foundation wall below the water table. During heavy rains, the water table can rise, increasing hydrostatic pressure against foundation walls and under the slab.
Key concern:
While lateral water pressure against the walls is a factor, the question specifies "also a major concern". In this scenario, the water pressure beneath the slab can cause buoyant uplift - vertical upward pressure - known as hydrostatic uplift or floatation.
If this upward force exceeds the weight of the slab and the structure above, it can cause the slab to crack, lift, or fail - especially if there is no adequate under-slab drainage or tiedown anchors.
Why not the other options:
A). Moisture absorption of the concrete foundation wall - Concrete is porous, but waterproofing and drainage address this; not as critical in terms of structural threat as uplift.
B). Increased weight on the footings - Hydrostatic pressure acts laterally and upward; it does not significantly increase vertical load on footings in the same way dead load does.
D). Differential lateral pressure on total building structure - Lateral pressure affects the foundation walls, but "total building structure" is less directly impacted than the immediate risk to the slab from uplift.
NCARB PDD References:
ARE 5.0 Handbook - PDD Section: Site conditions and foundation systems
IBC 2018 Section 1805.4 - Waterproofing and drainage
Foundation Engineering principles - Hydrostatic uplift and buoyancy
NCARB PDD Study Guide Topic: Subsurface water control (sumps, drain tiles, hydrostatic relief)

NEW QUESTION # 36

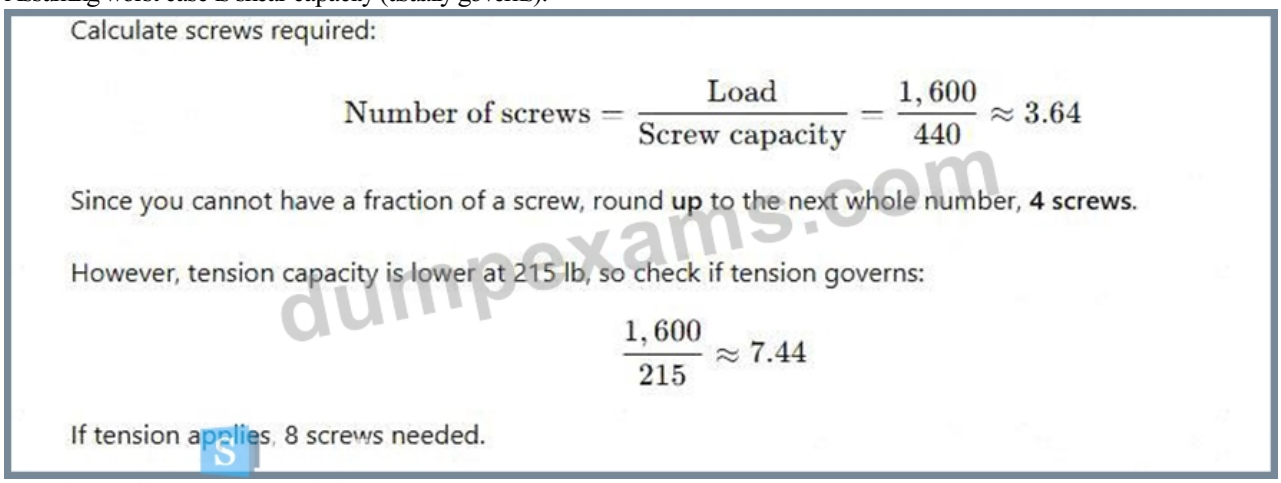


Refer to the exhibit.
Using metal stud framing, how many screws per stud are needed to connect the header if each screw is rated at 440 pounds for shear and 215 pounds for tension?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: A

Explanation:
Given:
Load (W) = 1,600 lb
Screw shear capacity = 440 lb per screw
Screw tension capacity = 215 lb per screw
Assuming worst case is shear capacity (usually governs):



If tension applies, 8 screws needed.
But typically, shear governs for header connection; since question likely focuses on shear, 4 screws would be safest.
If question expects minimal number to resist both, 8 screws would be correct.
Final answer: 4 screws (Option C) if shear governs; if considering tension also, 8 screws (Option D).
Since the question is ambiguous, and shear usually controls, C. 4 screws is appropriate.
Reference:
NCARB ARE 5.0 Review Manual, Structural Systems chapter
Metal stud framing connection design standards

NEW QUESTION # 37
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