

# NCARB PDD Related Certifications & Reliable PDD Test Labs

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## 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 Related Certifications <<

## Quiz 2025 Perfect NCARB PDD: ARE 5.0 Project Development and Documentation Exam Related Certifications

At ActualtestPDF, we are aware that every applicant of the ARE 5.0 Project Development and Documentation Exam (PDD)

examination is different. We know that everyone has a distinct learning style, situations, and set of goals, therefore we offer NCARB PDD updated exam preparation material in three easy-to-use formats to accommodate every exam applicant's needs. This article will go over the three formats of the ARE 5.0 Project Development and Documentation Exam (PDD) practice material that we offer.

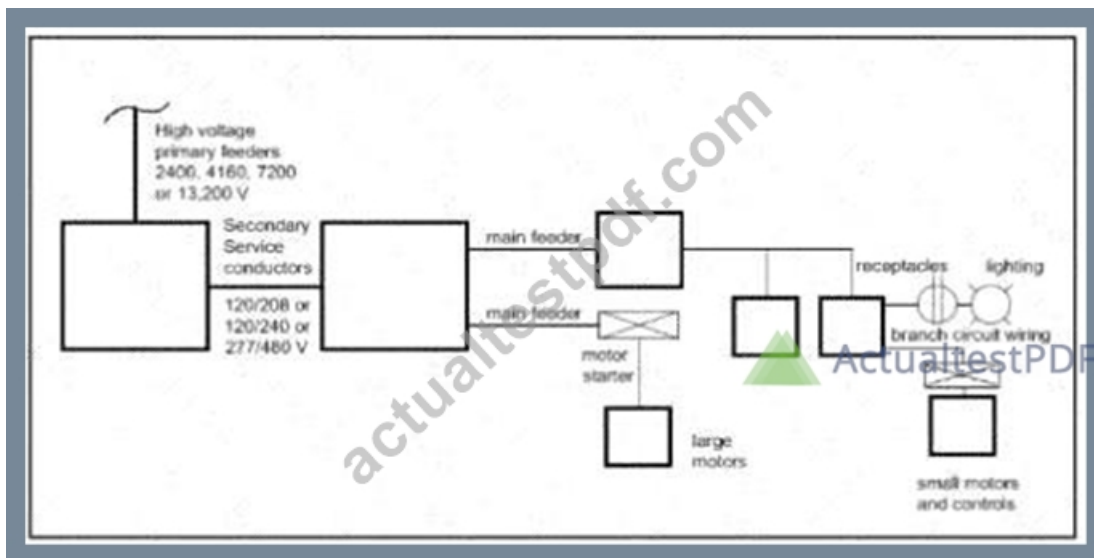
## NCARB PDD Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> <li>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.:</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>Codes &amp; 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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>Project Manual &amp; 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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>Integration of Building Materials &amp; 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.</li> </ul>
Topic 5	<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>

## NCARB ARE 5.0 Project Development and Documentation Exam Sample Questions (Q56-Q61):

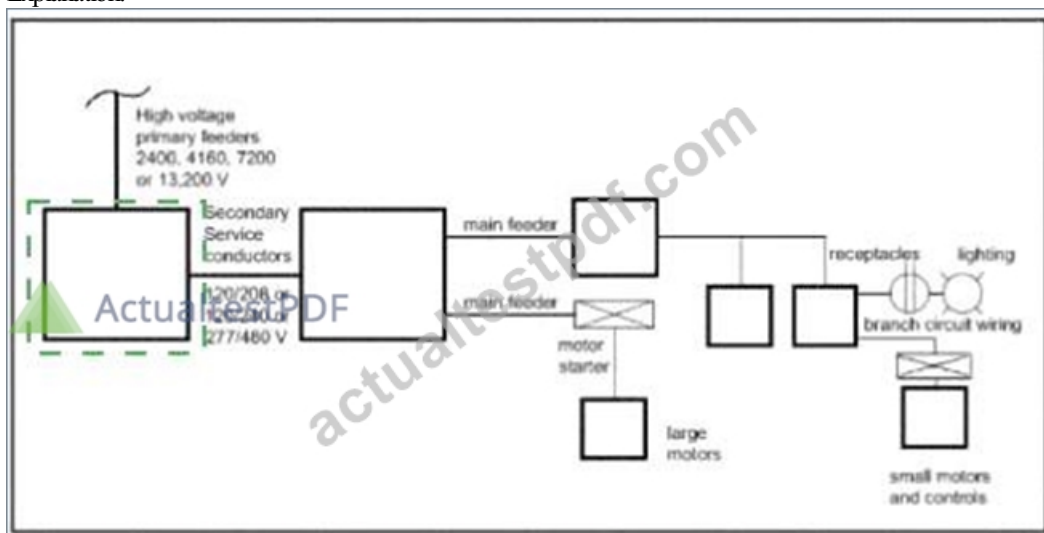
### NEW QUESTION # 56

The single-line diagram for the electrical distribution system shown is for a multi-family project. Click in the box on the single-line diagram where the transformer is located.

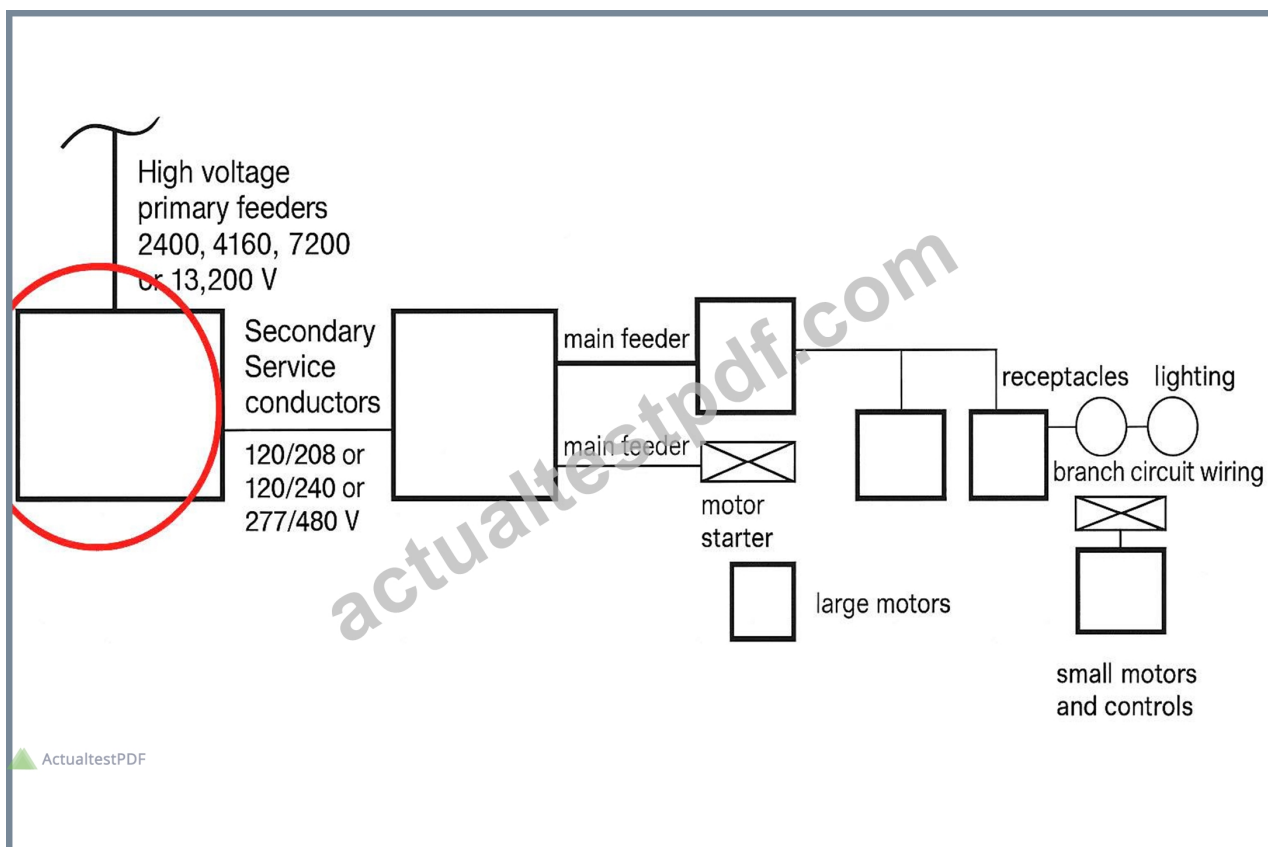


**Answer:**

**Explanation:**



**Explanation:**



The transformer is located in the first large box after the high-voltage primary feeders and before the secondary service conductors on the left side of the diagram.

#### Step-by-Step Reasoning

##### 1. Understanding the diagram flow:

- \* The leftmost symbol represents high-voltage primary feeders from the utility (2,400V, 4,160V, 7,200 V, or 13,200V).
- \* Immediately after that, there is a large box labeled "Secondary Service conductors" with standard building service voltages (120/208, 120/240, 277/480 V).
- \* To get from primary (medium/high) voltage to these usable secondary voltages, you must step down the voltage - and that is done by a transformer.

##### 2. Transformer location in electrical distribution:

- \* Transformers are always placed between the incoming primary service and the secondary distribution system in building diagrams.
- \* In this drawing, the transformer is symbolized by the first large square/rectangular box after the high- voltage primary feeders.

##### 3. Why not any other box?

- \* The following boxes and lines after this first step are feeders, panels, and motor starters - they operate at secondary voltage.
- \* Only the transformer connects the utility high-voltage system to the building's lower-voltage system.

#### NCARB ARE 5.0 PDD References:

- \* Content Area: Electrical Systems - Service Entrance and Distribution
- \* Source References:
- \* MEEB (Mechanical and Electrical Equipment for Buildings) - Chapter on Transformers & Electrical Service
- \* NEC (National Electrical Code) Article 450 - Transformer Installation and Use
- \* Architectural Graphic Standards - Single-Line Diagrams for Electrical Distribution Key Point:

In building electrical distribution, the transformer is always between the high-voltage primary service and the secondary service conductors to step down voltage to a usable level for building loads.

#### NEW QUESTION # 57

Where is the proper place to put a vapor barrier in a cold climate?

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

**Answer: C**

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 # 58

Before construction documents are complete, the owner requests a review of the timeline allowed for ASIs, RFIs, RFPs, and change orders as defined in the project manual.

Which section of the project manual is relevant to this request?

- A. AIA Document A201
- B. Section 01 35 16 Alteration Project Procedures
- C. Section 01 26 00 Contract Modification Procedures
- D. Supplementary Conditions

**Answer: C**

Explanation:

The owner's request for review of ASIs (Architect's Supplemental Instructions), RFIs (Requests for Information), RFPs (Requests for Proposals), and change orders relates to contract modifications.

Section 01 26 00 in the project manual typically covers Contract Modification Procedures, including timelines and processes for handling these changes.

AIA Document A201 is the general conditions but does not detail specific timelines.

Supplementary Conditions modify A201 but usually don't detail these timelines.

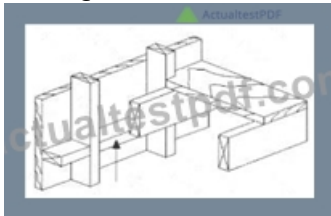
Section 01 35 16 is specific to alteration projects, not general contract mod procedures.

Reference:

NCARB ARE 5.0 Review Manual, Project Management chapter

CSI MasterFormat and project manual organization guides

#### NEW QUESTION # 59



Refer to the exhibit.

What is the horizontal member indicated by the arrow in the wall-floor assembly?

- A. Fire block
- B. Lateral shear plate
- C. Girt
- D. Ledger

**Answer: D**

Explanation:

The arrow in the wall-floor assembly indicates a horizontal structural member attached to a wall, used to support the end of a floor joist. This is called a ledger.

Ledger: Typically a dimensional lumber or engineered wood member fastened to a wall that supports floor framing members (joists).

Fire block: Installed to limit fire spread in concealed spaces-often mid-wall or mid-stud cavity, not in this floor-to-wall position.

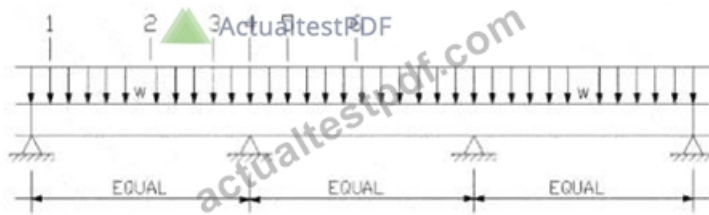
Girt: A horizontal framing member in a wall, usually in steel-frame or post-frame construction, not in conventional wood framing for floors.

Lateral shear plate: A metal plate for shear transfer, not applicable here.

PDD References:

ARE 5.0 PDD "Structural Systems-Wood framing details"

### NEW QUESTION # 60



Refer to the exhibit.

It is required to cut a hole in the web of the beam shown.

Which of the locations would be best? Check the two that apply.

- A. Location 2
- B. Location 4
- C. Location 3
- D. Location 1
- E. Location 5

**Answer: A,B**

Explanation:

Cutting holes in beam webs is common for running mechanical, electrical, or plumbing services but must be done carefully to avoid weakening structural integrity.

Holes should be located near mid-span supports (points of low bending moment and high shear) to reduce impact on beam bending strength.

Holes should not be located near areas of maximum bending moment (typically mid-span between supports), because this is where the beam experiences maximum tension or compression.

Locations 2 and 4 are at or near the beam supports (shear zones), and generally small holes can be cut there, following size limits and reinforcement guidelines.

Locations 1, 3, and 5 are closer to mid-span or areas of high bending stress, so holes here risk compromising the beam's moment capacity.

References:

NCARB ARE 5.0 Review Manual, Structural Systems chapter

Steel construction and beam design guidelines (AISC)

Building codes and structural engineering best practices for web penetrations

### NEW QUESTION # 61

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