

NCARB Project-Planning-Design PDF Questions - An Easy Way To Prepare For Exam

Question 13

An owner hires an architect to evaluate the feasibility of constructing a new three-story apartment building above an existing cast-in-place concrete parking garage.

Which consultant should the architect hire first?

- A. A geotechnical engineer to evaluate the soil for its capacity to bear additional levels.
- B. A fire protection engineer to evaluate the required fire separation from vehicle parking below.
- C. A structural engineer to evaluate the existing garage for its capacity to support additional levels.

Your answer: A

Correct answer: C

CORRECT RESPONSE

A structural engineer to evaluate the existing garage for its capacity to support additional levels.

A structural engineer will be needed to inspect the structure before proceeding with the project and the hiring of fire separation and geotechnical consultants.

Section: Site Analysis & Programming

BONUS!!! Download part of Dumpcollection Project-Planning-Design dumps for free: <https://drive.google.com/open?id=13bcJI9UkKDJ8xrGT1bEMtJvNS06Wy6xp>

There are a lot of experts and professors in or company in the field. In order to meet the demands of all people, these excellent experts and professors from our company have been working day and night. They tried their best to design the best Project-Planning-Design Study Materials from our company for all people. By our study materials, all people can prepare for their Project-Planning-Design exam in the more efficient method.

It is our mission to help you pass the exam. Project-Planning-Design guide torrent will provide you with 100% assurance of passing the professional qualification exam. We are very confident in the quality of Project-Planning-Design study guide. And we believe that all students who have purchased our study materials will be able to successfully pass the professional qualification exam as long as they follow the content provided by Project-Planning-Design study guide, study it on a daily basis, and conduct regular self-examination through mock exams. Once you unfortunately fail the exam, Project-Planning-Design Guide Torrent will provide you with a full refund and the refund process is very simple. As long as you provide your staff with your transcripts, you will receive a refund soon. Of course, before you buy, Project-Planning-Design certification training offers you a free trial service, as long as you log on our website, you can download our trial questions bank for free. I believe that after you try Project-Planning-Design certification training, you will love them.

>> Project-Planning-Design Valid Braindumps <<

Latest Project-Planning-Design Valid Braindumps Offers Candidates Fast-Download Actual NCARB ARE 5.0 Project Planning & Design (PPD) Exam Products

A few crops of practice materials are emerging in the market these days, with undecided quality to judge from customers' perspective. If you choose the wrong Project-Planning-Design practice material, it will be a grave mistake. Their behavior has not been strictly ethical and irresponsible to you, which we will never do. We know making progress and getting the certificate of Project-Planning-Design Training Materials will be a matter of course with the most professional experts in command of the newest and the most accurate knowledge in it. That's why our ARE 5.0 Project Planning & Design (PPD) exam prep has taken up a large part of market.

NCARB ARE 5.0 Project Planning & Design (PPD) Sample Questions (Q34-Q39):

NEW QUESTION # 34

Refer to the exhibit (residential floor plan with three outlined elevator core locations A, B, C).



During design development, an owner has chosen an elevator that does not fit in the location previously selected for the two-car elevator core. The elevator core should be near the main entrance lobby and centrally located. The minimum program requirements for each residential floor are the following:

One bicycle room

Five studios

Five 1-bed units

Eight 2-bed units

Three 3-bed units

Which outlined location meets the requirements?

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

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Location C is centrally located near the main entrance lobby and accommodates program requirements. It aligns with circulation patterns and building massing necessary to support efficient vertical transportation and access to all unit types, including bicycle storage.

Locations A and B are less centralized or do not provide convenient access, making C optimal.

References:

ARE 5.0 PPD - Project Integration of Program and Systems

The Architect's Handbook of Professional Practice, 15th Edition - Vertical Transportation

NEW QUESTION # 35

An architect's client is focused on lighting energy savings and daylighting design in a new 3,000 ft² commercial building addition to expand showroom and office square footage. The client requests reasonable daylighting measures in the design.

What should the architect recommend to the client?

- A. Provide for daylight-responsive control of electric lighting
- B. Increase sunlight in the vicinity of critical visual tasks
- C. Isolate electric lighting for daylight-responsive control to within a single zone
- D. Limit ample access to daylight to the interior spaces only

Answer: A

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Daylight-responsive control systems automatically adjust electric lighting based on available natural light, reducing energy use and improving occupant comfort.

Isolating lighting to a single zone (A) limits effectiveness.

Limiting daylight access (C) reduces benefits.

Increasing sunlight near tasks (D) can cause glare.

Thus, providing daylight-responsive electric lighting control is recommended.

References:

ARE 5.0 PPD - Environmental Conditions and Context, Daylighting

The Architect's Handbook of Professional Practice, 15th Edition - Lighting Design

NEW QUESTION # 36

According to model codes, wind pressure can be positive on the roof of a low-rise building when wind is which one of the following?

- A. Perpendicular to ridge and roof slope is 15 degrees
- **B. Perpendicular to ridge and roof slope is 30 to 45 degrees**
- C. Parallel to long side and the roof is flat
- D. Parallel to the ridge and roof slope is 30 to 45 degrees

Answer: B

Explanation:

Wind pressure on a building's roof can be either positive (pressure pushing down on the surface) or negative (suction or uplift). The distribution of pressure depends largely on wind direction relative to the building geometry and roof slope.

* Option C: When wind strikes the roof perpendicular to the ridge with slopes between 30 and 45 degrees, the wind creates a positive pressure on the windward side of the roof. This is because the air impinges directly onto the sloped surface, pushing downward and exerting positive pressure. The leeward side of the roof, by contrast, experiences negative pressure (suction). This condition is well documented in ASCE 7 and reflected in the IBC (International Building Code) wind load provisions.

* Option A: Wind parallel to the long side with a flat roof typically causes mostly negative pressures (suction) on the roof, not positive pressures, because the airflow accelerates over the roof surface.

* Options B and D: At lower roof slopes (like 15 degrees) or when the wind is parallel to the ridge with moderate slopes, the roof usually experiences suction (negative pressure) rather than positive pressure.

The flatter or more parallel the surface is relative to wind flow, the more suction effects dominate.

Positive wind pressure on roofs is important for structural design because it influences the design of roofing systems, connections, and overall structural loads. Understanding when and where positive pressure occurs ensures proper anchorage and prevents failures due to uplift or overturning forces.

References:

ARE 5.0 Project Planning & Design Content Outline: Environmental Conditions and Context - Wind Loads and Effects ASCE 7-16: Minimum Design Loads for Buildings and Other Structures (Chapter on Wind Loads) The Architect's Handbook of Professional Practice, 15th Edition, Chapter 13: Building Codes, Standards, and Regulations - Wind Design

NEW QUESTION # 37

Which strategy enhances passive solar residential design in the northern hemisphere?

- A. Reducing heat storage capacity
- **B. Locating deciduous trees along the south side of the house**
- C. Installing an electric baseboard heating system
- D. Eliminating insulated glazing along the northern walls

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

Passive solar design in the northern hemisphere relies on maximizing solar gain during the winter while minimizing overheating during summer.

Deciduous trees located on the south side provide shade during the summer (when they have leaves), reducing cooling loads, and allow sunlight to penetrate in the winter after leaf fall, enhancing solar heat gain. This seasonal shading improves comfort and energy efficiency.

Eliminating insulated glazing on the north walls (B) increases heat loss, which is undesirable in cold climates.

Reducing heat storage capacity (C) lowers the building's thermal mass, decreasing its ability to moderate temperature swings, which is counterproductive.

Installing electric baseboard heating (D) is a mechanical solution and does not enhance passive solar design.

Therefore, option A is the best strategy consistent with passive solar principles.

References:

ARE 5.0 PPD - Environmental Conditions and Context, Passive Solar Design The Architect's Handbook of Professional Practice, 15th Edition - Sustainable Design Strategies

NEW QUESTION # 38

An elementary school requires a renovation, selective demolition, and a major addition in order to accommodate a growing student population. An architectural firm has prepared schematic design plans incorporating the school's increased programmatic needs, including an enlarged library, cafeteria, and gymnasium; a secure courtyard; and additional space for administrative offices and classrooms. The main entrance was relocated in order to improve the traffic and pedestrian flow at the beginning and end of the school day, and additional parking was provided to comply with current zoning requirements.

The existing single-story masonry building was built in 1950. Two small additions were built later: the north addition will be kept and repurposed, but the south addition will be demolished. The building contains asbestos and lead in roof soffits, floor tiles, pipe insulation, and window paint. All existing mechanical systems need to be replaced; new systems have not been selected.

Considerations for the renovation include:

- * The relocated front entrance must be easily recognizable, highly visible, and secure.
- * Interior and exterior materials need to be durable and maintainable in order to withstand frequent student abuse, but also economical due to strict budget limitations.
- * Good indoor air quality and increased energy efficiency are priorities for the selection of mechanical equipment.

After completion, the entire school should look uniform, without a distinctive difference between the existing building and new addition.

Building information:

- * Construction Type is II-B.

The following resources are available for your reference:

- * Existing Plans, including site and floor plans
- * Proposed Plans, including site and floor plans
- * Cost Analysis
- * Zoning Ordinance Excerpts, for off-street parking requirements
- * IBC Excerpts, showing relevant code sections
- * ADA Standards Excerpts, showing relevant sections from the ADA Standards for Accessible Design When the addition is completed, the school will be fully sprinkled per NFPA 13 Standard for the Installation of Sprinkler Systems requirements, with a continuous 24-foot wide fire access lane provided around the building perimeter.

Through a code analysis, the combination of construction type, occupancy, and building area present a compliance problem.

- A. Reduce building area
- **B. Check frontage area increase**
- C. Add firewall to design

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

When a building's size and occupancy cause non-compliance with allowable building area or frontage requirements, the architect should first check frontage area increase provisions allowed by the code. The frontage increase can allow a larger building area based on the length of street frontage and fire access, especially when sprinklers and fire lanes are provided.

Adding firewalls (A) is a method to subdivide building area but is typically considered after exploring frontage increases.

Reducing building area (C) is a last resort if other allowances are insufficient.

Therefore, the architect should first verify if frontage area increases resolve the compliance issue.

References:

IBC Chapter 5 - Building Area and Height Limits

NFPA 13 - Sprinkler System Requirements

ARE 5.0 PPD - Codes and Regulations

NEW QUESTION # 39

.....

You can try the NCARB Project-Planning-Design exam dumps demo before purchasing. If you like our ARE 5.0 Project Planning & Design (PPD) (Project-Planning-Design) exam questions features, you can get the full version after payment. Dumpcollection ARE 5.0 Project Planning & Design (PPD) (Project-Planning-Design) dumps give surety to confidently pass the ARE 5.0 Project

Planning & Design (PPD) (Project-Planning-Design) exam on the first attempt.

Project-Planning-Design Exam Dumps Provider: https://www.dumpcollection.com/Project-Planning-Design_braindumps.html

NCARB Project-Planning-Design Valid Braindumps I believe that you must have your own opinions and requirements in terms of learning, Our Project-Planning-Design guide torrent: ARE 5.0 Project Planning & Design (PPD) expect to help you get the exam certification with scientific method, NCARB Project-Planning-Design Valid Braindumps Payment and delivery manner, Dumpcollection can promise you always have the latest version for your NCARB Project-Planning-Design test preparation and get your Architect Registration Examination certification easily, NCARB Project-Planning-Design Valid Braindumps Failing to address these issues can result in wasted time and money.

The illusion spread in this way, and the illusion that Project-Planning-Design it existed only as a human being's creation led to the final delusion, Representing Tabular Data in Trees.

I believe that you must have your own opinions and requirements in terms of learning, Our Project-Planning-Design guide torrent: ARE 5.0 Project Planning & Design (PPD) expect to help you get the exam certification with scientific method.

NCARB Project-Planning-Design Exam Questions With PDF File Format

Payment and delivery manner, Dumpcollection can promise you always have the latest version for your NCARB Project-Planning-Design test preparation and get your Architect Registration Examination certification easily.

Failing to address these issues can result in wasted time and money.

- Free Project-Planning-Design Learning Cram Certification Project-Planning-Design Exam Infor New Project-Planning-Design Exam Question Easily obtain Project-Planning-Design for free download through ➡ www.examcollectionpass.com Exam Project-Planning-Design Details
- NCARB Project-Planning-Design Dumps - A Surefire Way To Achieve Success Download ➡ Project-Planning-Design for free by simply searching on ➡ www.pdfvce.com Project-Planning-Design Exam Fees
- Latest updated Project-Planning-Design Valid Braindumps - Leader in Qualification Exams - Excellent Project-Planning-Design Exam Dumps Provider > www.practicevce.com < is best website to obtain ✨ Project-Planning-Design ✨ for free download ✨ Free Project-Planning-Design Learning Cram
- Mock Project-Planning-Design Exams Practice Test Project-Planning-Design Pdf Practice Test Project-Planning-Design Pdf Enter > www.pdfvce.com < and search for [Project-Planning-Design] to download for free Project-Planning-Design Visual Cert Exam
- Project-Planning-Design Exam Fees Project-Planning-Design Exam Fees Project-Planning-Design Interactive Course Easily obtain free download of > Project-Planning-Design < by searching on www.examcollectionpass.com New Project-Planning-Design Test Registration
- Free Project-Planning-Design Learning Cram Project-Planning-Design Visual Cert Exam New Project-Planning-Design Test Registration Enter 【 www.pdfvce.com 】 and search for 「 Project-Planning-Design 」 to download for free ↘ Exam Project-Planning-Design Details
- Project-Planning-Design Interactive Course Valid Project-Planning-Design Test Question Exam Project-Planning-Design Details Simply search for > Project-Planning-Design for free download on ▶ www.exam4labs.com ◀ Exam Project-Planning-Design Details
- Free PDF 2026 Project-Planning-Design: ARE 5.0 Project Planning & Design (PPD) Updated Valid Braindumps Search for ✨ Project-Planning-Design ✨ and download exam materials for free through [www.pdfvce.com] Project-Planning-Design Latest Test Guide
- Latest updated Project-Planning-Design Valid Braindumps - Leader in Qualification Exams - Excellent Project-Planning-Design Exam Dumps Provider Easily obtain Project-Planning-Design for free download through [www.examcollectionpass.com] Exam Project-Planning-Design Simulations
- Reliable Project-Planning-Design Guide Files Exam Discount Project-Planning-Design Voucher Project-Planning-Design Visual Cert Exam Search for 「 Project-Planning-Design 」 and obtain a free download on 《 www.pdfvce.com 》 Project-Planning-Design Latest Test Fee
- Quiz NCARB - The Best Project-Planning-Design Valid Braindumps Open website 「 www.validtorrent.com 」 and search for ➡ Project-Planning-Design for free download Project-Planning-Design Braindumps Downloads
- nicolaswutz271157.wikicarrer.com, qasimdnrg797905.bcbloggers.com, esmeetblh712674.bleepblogs.com, susanvfpw601716.tusblogos.com, alyssandgc260689.ourabilitywiki.com, www.spatial.io, rajanlcbc184790.angelfinsblog.com, tedostc683474.sasugawiki.com, bookmark-vip.com, jaysonfjjs493918.spintheblog.com, Disposable vapes

2026 Latest Dumpcollection Project-Planning-Design PDF Dumps and Project-Planning-Design Exam Engine Free Share: <https://drive.google.com/open?id=13bcJI9UkKDJ8xrGT1bEMtJvNS06Wy6xp>

