

Project-Planning-Design 시험패스 가능한 공부문제 & Project-Planning-Design 시험대비 공부하기



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NCARB인증 Project-Planning-Design시험은 중요한 IT인증자격증을 취득하는 필수시험과목입니다NCARB인증 Project-Planning-Design시험을 통과해야만 자격증 취득이 가능합니다.자격증을 많이 취득하면 자신의 경쟁력을 높여 다른능력자에 의해 대체되는 일은 면할수 있습니다.Pass4Test에서는NCARB 인증Project-Planning-Design시험대비덤프를 출시하여 여러분이 IT업계에서 더 높은 자리에 오르도록 도움드립니다. 편한 덤프공부로 멋진 IT전문가의 꿈을 이루세요.

>> Project-Planning-Design시험패스 가능한 공부문제 <<

Project-Planning-Design 시험대비 공부하기, Project-Planning-Design 최신 업데이트 인증 공부자료

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최신 Architect Registration Examination Project-Planning-Design 무료 샘플 문제 (Q83-Q88):

질문 # 83

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

정답: A

설명:

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

질문 # 84

Which of the following design elements will affect pedestrian security within a site? Check the four that apply.

- A. Impervious pavement
- B. Type of landscaping
- C. Number of site access points
- D. Transparency of fences and barriers
- E. Location of adjacent activity
- F. Parking quantity

정답: B,C,D,E

설명:

Comprehensive and Detailed Explanation From Exact Extract:

Pedestrian security depends on the design and management of the site to reduce hiding spots, increase visibility, and encourage natural surveillance:

Type of landscaping (B): Dense, tall, or thorny plants can deter access or obstruct views, while low, transparent landscaping improves visibility and security.

Number of site access points (D): More access points can increase vulnerability unless properly controlled.

Transparency of fences and barriers (E): Transparent or see-through fences improve visibility and reduce concealment areas, enhancing security.

Location of adjacent activity (F): Adjacent active uses or areas with high foot traffic provide natural surveillance, discouraging crime.

Impervious pavement (A) relates to surface permeability and drainage but not directly to security.

Parking quantity (C) impacts traffic and congestion more than pedestrian security.

References:

ARE 5.0 PPD - Environmental Conditions and Context, Site Planning and Security The Architect's Handbook of Professional Practice, 15th Edition - Crime Prevention Through Environmental Design (CPTED)

질문 # 85

An architect has just received client approval of the Schematic Design documents for a three-story, outpatient medical clinic. The clinic is located within a mixed-use development governed by a City-approved Planned Development (PD) document. The medical clinic design utilizes standardized departmental layouts and includes outpatient clinics, as well as treatment spaces, administrative spaces and public/lobby spaces.

The site needs to accommodate four different vehicular traffic flows: patient traffic, staff traffic, service and delivery traffic, and emergency services traffic. In addition, a pedestrian plaza must connect to the mixed-use development sidewalks. The plaza must provide space for bicycle parking and will serve as the future bus stop.

The site design addresses several challenges related to building orientation. The southeast facade, with excellent visibility from the highway, is the location of all service equipment. The building entrance faces northwest, convenient to the parking but not visible

from the highway.

The client believes future patient volumes will outgrow the clinic. The PD document allows for a planned Phase 2 development on the adjacent vacant site to the southwest. Phase 2 would include a second building (2 story, 80,000 BGSF) and/or a parking deck. Other considerations for the project include:

- * Protected tree requirements are defined in the PD document.
- * Easy pedestrian access must be provided from Sycamore Boulevard.
- * All required parking for the clinic must be accommodated on site.
- * Programmed area includes 109,450 Departmental Gross Square Feet (DGSF) / 130,184 Building Gross Square Feet (BGSF).
- * Exterior material percentages are dictated by the PD document and shall not exceed specific percentages for Primary and Secondary Finishes.
- * All service equipment needs to be screened; see PD document for restrictions.
- * Signage opportunities are important to the client.
- * Acoustical privacy is a concern of the healthcare system.

The following resources are available for your reference:

- * Drawings, including a perspective, plans, and exterior elevations
- * Building Program, including client's departmental program and detailed program for Treatment 01 (Infusion)
- * Exterior Material Cost Comparisons
- * Planned Development Document
- * IBC Excerpts, showing relevant code sections
- * ADA Excerpts, showing relevant sections from the ADA Standards for Accessible Design The developer decides that the 4-inch terra cotta exterior veneer is too expensive, and wants to replace the terra cotta with an alternative finish in its entirety.

Which of the following alternative materials should the architect suggest to reduce cost and meet the Planned Development Document requirements? Check the two that apply.

- A. Metal Panels (Fluoropolymer finish)
- B. Low Priced Stone
- C. Earth Tone EIFS
- D. Standard Brick
- E. Cultured Stone
- F. Artisan Brick

정답: C,D

설명:

To reduce costs while complying with Planned Development (PD) document restrictions on exterior finishes, the architect should select materials that are less expensive than terra cotta yet meet aesthetic and code requirements:

Standard brick (C) is a cost-effective, durable alternative with broad acceptance.

Earth tone EIFS (E) (Exterior Insulation and Finish System) offers an economical and versatile finish that can replicate various textures and colors while reducing costs.

Low priced stone (A) and cultured stone (B) may still be costly or not permitted per PD document.

Artisan brick (D) and metal panels (F) may exceed allowed percentages or not fit aesthetic guidelines.

References:

Planned Development Document

ARE 5.0 PPD - Project Integration of Program and Systems

The Architect's Handbook of Professional Practice, 15th Edition - Exterior Finishes

질문 # 86

The architect's greatest contribution to good seismic design is in the design of which of the following?

- A. Structural components and connections
- B. Building's plan and cross-sectional configuration
- C. Site location and building orientation
- D. Building's interior partition arrangement

정답: B

설명:

Comprehensive and Detailed Explanation From Exact Extract:

Architects have the most influence on seismic performance through building form and configuration, including the plan and cross-sectional layout. A regular, symmetrical, and well-configured building reduces torsional forces and stress concentrations during

seismic events.

Structural components and connections (A) are primarily the engineer's responsibility.

Interior partitions (B) affect non-structural behavior but are less critical to seismic response.

Site location and orientation (D) influence seismic forces but are often fixed or limited by client and site constraints.

Thus, architects significantly improve seismic safety through thoughtful spatial and structural configuration design.

References:

ARE 5.0 PPD - Environmental Conditions and Context, Seismic Design

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

질문 # 87

An architect has just received client approval of the Schematic Design documents for a three-story, outpatient medical clinic. The clinic is located within a mixed-use development governed by a City-approved Planned Development (PD) document. The medical clinic design utilizes standardized departmental layouts and includes outpatient clinics, as well as treatment spaces, administrative spaces and public/lobby spaces.

The site needs to accommodate four different vehicular traffic flows: patient traffic, staff traffic, service and delivery traffic, and emergency services traffic. In addition, a pedestrian plaza must connect to the mixed-use development sidewalks. The plaza must provide space for bicycle parking and will serve as the future bus stop.

The site design addresses several challenges related to building orientation. The southeast facade, with excellent visibility from the highway, is the location of all service equipment. The building entrance faces northwest, convenient to the parking but not visible from the highway.

The client believes future patient volumes will outgrow the clinic. The PD document allows for a planned Phase 2 development on the adjacent vacant site to the southwest. Phase 2 would include a second building (2 story, 80,000 BGSF) and/or a parking deck. Other considerations for the project include:

* Protected tree requirements are defined in the PD document.

* Easy pedestrian access must be provided from Sycamore Boulevard.

* All required parking for the clinic must be accommodated on site.

* Programmed area includes 109,450 Departmental Gross Square Feet (DGSF) / 130,184 Building Gross Square Feet (BGSF).

* Exterior material percentages are dictated by the PD document and shall not exceed specific percentages for Primary and Secondary Finishes.

* All service equipment needs to be screened; see PD document for restrictions.

* Signage opportunities are important to the client.

* Acoustical privacy is a concern of the healthcare system.

The following resources are available for your reference:

* Drawings, including a perspective, plans, and exterior elevations

* Building Program, including client's departmental program and detailed program for Treatment 01 (Infusion)

* Exterior Material Cost Comparisons

* Planned Development Document

* IBC Excerpts, showing relevant code sections

* ADA Excerpts, showing relevant sections from the ADA Standards for Accessible Design The client proposes massing changes to the current design as well as programming for future phases.

Which of the following scenarios is permitted?

- A. Program the next phase on the adjacent vacant site for inpatient services.
- B. Combine the two phases into a single six-story building.
- C. Design an additional parking lot for use by local businesses after office hours.

정답: C

설명:

Comprehensive and Detailed Explanation From Exact Extract:

Under the Planned Development (PD) document constraints and the mixed-use setting:

Option C is permitted: Designing additional parking that can be shared with local businesses after office hours promotes efficient land use and aligns with mixed-use development goals. Shared parking arrangements are often encouraged in PD documents to maximize utilization and reduce overall parking demand.

Option A is likely restricted as the PD document specifically governs use types and programming; inpatient services may not be allowed or permitted without separate approvals.

Option B combining two phases into a single taller building would typically violate PD restrictions on building height, massing, or gross floor area, unless explicitly allowed.

Therefore, only option C is permitted without additional regulatory hurdles.

References:

질문 # 88

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Pass4Test는 IT업계 전문가들이 그들의 노하우와 몇 년간의 경험 등으로 자료의 정확도를 높여 응시자들의 요구를 만족시켜 드립니다. 우리는 꼭 한번에 NCARB Project-Planning-Design 시험을 패스할 수 있도록 도와드릴 것입니다. 여러분은 NCARB Project-Planning-Design 시험자료 구매로 제일 정확하고 또 최신 시험버전의 문제와 답을 사용할 수 있습니다. Pass4Test의 인증 시험적중률은 아주 높습니다. 때문에 많은 IT인증 시험 준비생분들께서 많은 편리를 드릴 수 있습니다. 100% 정확도 100% 신뢰. 여러분은 마음편히 응시하시면 됩니다.

Project-Planning-Design 시험대비 공부하기: <https://www.pass4test.net/Project-Planning-Design.html>

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눈앞에서 저렇게 징그럽게 변해가는 모습을 보고도 눈 하나 깜빡하지 못했으니, 병대주, 정보를 원하면 거기에 오고 가는 원가가 있어야 한다는 것을 모르시오, NCARB Project-Planning-Design 덤프를 페펙트하게 공부하시면 시험을 한번에 패스할 수 있습니다.

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