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Best 30 Concrete Contractors in Anchorage, AK with Reviews ...

Concrete foundation wall to timber sill plate anchorage using 1/2 diameter anchor rods. I am looking at the IBC New York State Edition Residential Code of New Y Anchor Bolts in Concrete for Wood Frame Construction - Structural engineering general discussion - Eng-Tips

Anchor Bolts in Concrete for Wood Frame Construction ...

A concrete anchor is a steel shaft either cast into concrete at placement or post-installed after the concrete has hardened. Cast-in anchors are threaded shafts with a buried end termination of a hex head, threaded nut, or 90° (L-) or 180° (J-) hook, or headed (non-threaded) studs welded to a surface plate.

Anchoring To Concrete - PDHonline.com

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Gyp Crete in Anchorage, AK with Reviews - YP.com

Read an Excerpt. Portland cement concrete is foremost among the construction materials used in civil engineering projects around the world. The reasons for concrete's preeminence are varied, but among the more important are the economic and widespread availability of its constituents; its versatility and adaptability, as evidenced by the many types of construction in which it is used; and the ...

Concrete / Edition 2|Hardcover - Barnes & Noble

The Anchorage Yacht Club was the first of its kind in New York; it went from a privately owned marina to an 'Aquaminium'. There are 460 deeded boat slips which are individually owned. There are many advantages in owning your own slip, the most notable being that you're not paying rent that you will never see again.

A comprehensive treatment of current fastening technology using inserts (anchor channels, headed stud), anchors (metal expansion anchor, undercut anchor, bonded anchor, concrete screw and plastic anchor) as well as power actuated fasteners in concrete. It describes in detail the fastening elements as well as their effects and load-bearing capacities in cracked and non-cracked concrete. It further focuses on corrosion behaviour, fire resistance and characteristics with earthquakes and shocks. It finishes off with the design of fastenings according to the European Technical Approval Guideline (ETAG 001), the Final Draft of the CEN Technical Specification 'Design of fastenings for use in concrete' and the American Standards ACI 318-05, Appendix D and ACI 349-01, Appendix B.

A state-of-the-art book written by a national and international expert on concrete structures and materials, this third edition of Prestressed Concrete reflects the very latest ACI 318-99 Code and the International Building Code, IBC 2000. It puts at the disposal of the user the authors many years of professional and academic know-how in design, construction, and forensic engineering. This book is different from most because its major topics of material behavior, prestress losses, flexure, shear, torsion, and deflection-camber are sequentially self-contained and can be covered in one semester at the senior and the graduate levels. It uniquely follows procedures given in over 20 flowcharts and 400 illustration that simplify the understanding and application of the subject in design, using both the customary US and the SI units in the examples. Additionally, you will find: \*A detailed chapter on the design of statically indeterminate prestressed beams and portal frames. \*A revised chapter containing the latest ACI an AASHTO Provisions on the design of post-tensioned beam anchorage end blocks using the strut-and-tie approach. \*A revised chapter on slender columns including a simplifie

The 14th edition of the classic text, Design of Concrete Structures, is completely revised using the newly released 2008 ACI (American Concrete Institute) Code. This new edition has the same dual objectives as the previous editions; first to establish a firm understanding of the behavior of structural concrete, then to develop proficiency in the methods used in current design practice. Design of Concrete Structures covers the behavior and design aspects of concrete and provides updated examples and homework problems. New material on slender columns, seismic design, anchorage using headed deformed bars, and reinforcing slabs for shear using headed studs has been added. The notation has been thoroughly updated to match changes in the ACI Code. The text also presents the basic mechanics of structural concrete and methods for the design of individual members for bending, shear, torsion, and axial force, and provides detail in the various types of structural systems applications, including an extensive presentation of slabs, footings, foundations, and retaining walls.

Treating anchorages as a direct application of the laws of statics and the theories governing the transfer of load, this book focuses on designs that are safe and reasonably priced. It is divided into two parts. Following a general introduction in the first chapter, Part One goes on to explore anchor systems, components, installation and construction details. Presents special anchor systems such as extractable, compression-type, multibell, and regrowable anchors. Analyzes the transfer of load and its relation to failure modes and anchor load capacity; deals with design considerations; covers mechanisms and types of corrosion; and details anchor stressing, testing programs, and evaluation standards. Part Two considers uses and applications and design aspects of anchored structures; presents design examples of practical value and reasonable simplicity; and incorporates examples and case histories.

This book was written to make the material presented in my book, Stahlbetonbrucken, accessible to a larger number of engineers throughout the world. A work in English, the logical choice for this task, had been contemplated as Stahlbetonbrucken was still in its earliest stages of preparation. The early success of Stahlbetonbrucken provided significant impetus for the writing of Prestressed Concrete Bridges, which began soon after the publication of its predecessor. The present work is more than a mere translation of Stahlbetonbrucken. Errors in Stahlbetonbrucken that were detected after publication have been corrected. New material on the relation between cracking in concrete and corrosion of reinforcement, prestressing with unbonded tendons, skew-girder bridges, and cable-stayed bridges has been added. Most importantly, however, the presentation of the material has been extensively reworked to improve clarity and consistency. Prestressed Concrete Bridges can thus be regarded as a thoroughly new and improved edition of its predecessor.

Beton-Kalender (Concrete Yearbook) Unter dem Schwerpunktthema Konstruktiver Hochbau behandelt der Beton-Kalender alle wichtigen Elemente der Tragwerksplanung von Gebäuden einschließlich Bauen mit Fertigteilen, Verankerung von Fassaden, konstruktiver Brandschutz und Gründungen. Das Bauen im Bestand bildet einen wesentlichen Anteil der planerischen Tätigkeit, daher werden die Tragwerksplanung im Bestand, Schadensanalyse, Ertüchtigung und Monitoring ausführlich dargestellt. Von hohem Aktualitätsgrad im Bereich der Massivbaunormen ist die vollständig abgedruckte konsolidierte Fassung von DIN 1045 von August 2008 einschließlich DIN EN 206-1 mit Einarbeitung aller Berichtigungen und Änderungen. Zusammen mit den DAfStb-Richtlinien "Massige Bauteile aus Beton" und "Belastungsversuche an Betonbauwerken" steht dem Nutzer das komplette aktuelle Regelwerk mit Kommentar zur Verfügung.

\* The best-selling text and reference on wood structure design \* Incorporates the latest National Design Specifications, the 2003 International Building Code and the latest information on wind and seismic loads

Based on the latest version of designing codes both for buildings and bridges (GB50010-2010 and JTG D62-2004), this book starts from steel and concrete materials, whose properties are very important to the mechanical behavior of concrete structural members. Step by step, analysis of reinforced and prestressed concrete members under basic loading types (tension, compression, flexure, shearing and torsion) and environmental actions are introduced. The characteristic of the book that distinguishes it from other textbooks on concrete structures is that more emphasis has been laid on the basic theories of reinforced concrete and the application of the basic theories in design of new structures and analysis of existing structures. Examples and problems in each chapter are carefully designed to cover every important knowledge point. As a basic course for undergraduates majoring in civil engineering, this course is different from either the previously learnt mechanics courses or the design courses to be learnt. Compared with mechanics courses, the basic theories of reinforced concrete structures cannot be solely derived by theoretical analysis. And compared with design courses, this course emphasizes the introduction of basic theories rather than simply being a translation of design specifications. The book will focus on both the theoretical derivations and the engineering practices.

Dieses Handbuch gibt einen vollständigen und umfassenden Überblick über Pfahlsysteme und ihre Anwendungen. Der Bemessung und Ausführung von Pfahlgründungen liegen die DIN 1054 Ausgabe 2005 sowie die europäischen Ausführungsnormen DIN EN 1536 (Bohrpfhle), DIN EN 12699 (Verdrängungspfhle) und DIN EN 14199 (Mikropfhle) zugrunde. Die vorliegenden Empfehlungen behandeln darüber hinaus - Einordnung der Pfahlsysteme, - Einwirkungen auf Pfhle infolge Bauwerkslasten, negativer Mantelreibung und Seitendruck, - Pfahlwiderstände aus statischen und dynamischen Pfahlprobelastungen sowie umfangreiche Tabellen über die Pfahltragfähigkeit von nahezu allen Pfahlsystemen auf der Grundlage von Erfahrungswerten, - Pfahlgruppen, - Durchführung von statischen und dynamischen Probelastungen sowie Integritätsprüfungen, - Qualitätssicherung bei der Bauausführung. Ein Anhang mit zahlreichen Berechnungsbeispielen rundet das Werk ab. Mit der Herausgabe der Empfehlungen EA-Pfhle unterstützt der Arbeitskreis "Pfhle" der Deutschen Gesellschaft für Geotechnik e.V. (DGGT), der in Personalunion mit dem Pfahlnormenausschuss NA 00-05-07 tätig ist, die Baupraxis bei Entwurf, Berechnung und Ausführung von Pfahlgründungen. Die Empfehlungen sind damit als Regeln der Technik in Ergänzung zu den Normen einzuordnen.

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