1. Record Nr. UNINA9910790297403321

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| Autore | Simmons C. H (Colin H.) |
| Titolo | Manual of engineering drawing [[electronic resource] ] : technical product specification and documentation to British and international standards / / Colin H. Simmons, Neil Phelps, Dennis E. Maguire |
| Pubbl/distr/stampa | Amsterdam, : Elsevier/Butterworth-Heinemann, 2012 |
| ISBN | 1-283-73491-5<br>0-08-096653-5 |
| Edizione | [4th ed.] |
| Descrizione fisica | 1 online resource (ix, 369 p.) : ill |
| Altri autori (Persone) | PhelpsNeil<br>MaguireD. E (Dennis E.) |
| Disciplina | 604.2 |
| Soggetti | Mechanical drawing<br>Engineering drawings<br>Technical illustration |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Sommario/riassunto | Manual of Engineering Drawing is a comprehensive guide for experts and novices for producing engineering drawings and annotated 3D models that meet the recent BSI and ISO standards of technical product documentation and specifications. This fourth edition of the text has been updated in line with recent standard revisions and amendments. The book has been prepared for international use, and includes a comprehensive discussion of the fundamental differences between the ISO and ASME standards, as well as recent updates regarding legal components, such as copyright, patents, and other legal considerations. The text is applicable to CAD and manual drawing, and it covers the recent developments in 3D annotation and surface texture specifications. Its scope also covers the concepts of pictorial and orthographic projections, geometrical, dimensional and surface tolerancing, and the principle of duality. The text also presents numerous examples of hydraulic and electrical diagrams, applications, bearings, adhesives, and welding. The book can be considered an authoritative design reference for beginners and students in technical |

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| | product specification courses, engineering, and product designing. Expert interpretation of the rules and conventions provided by authoritative authors who regularly lead and contribute to BSI and ISO committees on product standards; Combines the latest technical information with clear, readable explanations, numerous diagrams and traditional geometrical construction techniquesIncludes new material on patents, copyrights and intellectual property, design for manufacture and end-of-life, and surface finishing considerations. |

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| Record Nr. | UNINA9910829869403321 |
| Autore | Dhouib Ammar |
| Titolo | Applied geotechnics for construction projects . Volume 4 : retaining structures, soil reinforcement and improvement / / Ammar Dhouib |
| Pubbl/distr/stampa | Hoboken, NJ : , : John Wiley & Sons, Inc., , [2023]<br>©2023 |
| ISBN | 1-394-19231-2<br>1-394-19229-0 |
| Descrizione fisica | 1 online resource (421 pages) |
| Disciplina | 624.151 |
| Soggetti | Geotechnical engineering |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Cover -- Title Page -- Copyright Page -- Contents -- Foreword -- Entrepreneur's Tribune: Geotechnics is at the Heart of Our Projects -- Preface -- Acknowledgments -- Symbols and Notations -- Introduction -- Chapter 1. Active and Passive Earth Pressures: Earth Retaining Structures -- 1.1. Active and passive earth pressures -- 1.1.1. Introduction -- 1.1.2. State of soils at rest -- 1.1.3. Active earth pressure in the soil -- 1.1.4. Passive earth pressure in the soil -- 1.1.5. Active and passive earth pressure forces -- 1.1.6. Active-passive pressure and back passive pressure: choice of incline -- 1.1.7. Active-passive earth pressures: specific cases -- 1.1.8. Effect of overloads -- 1.1.9. French practice -- 1.2. Behavior and sizing of earth retaining structures -- 1.2.1. Introduction: designing retaining structures -- |

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1.8. Incidents: they can happen quickly! -- 1.8.1. Case of a sheet piling fixed in chalk -- 1.8.2. Retaining diaphragm walls with tie rods and anchored in a substratum -- 1.8.3. Alternate pass shell technique -- 1.9. Appendices -- 1.9.1. Appendix 1: Ground friction/strut sealing -- 1.9.2. Appendix 2: Steel reinforcement of continuous walls -- 1.9.3. Appendix 3: Stability of the tie rod mass (Kranz approach) -- 1.9.4. Appendix 4: Stability and comparison of approaches in earthquake calculation for retaining gravity walls -- 1.10. References -- Chapter 2. Soil Reinforcement and Improvement -- 2.1. Overview -- 2.1.1. Introduction -- 2.1.2. Historical and geographic context of the development of soil improvement techniques -- 2.1.3. The field and limits of the application of the different techniques -- 2.2. Reinforced Earth -- 2.2.1. Process -- 2.2.2. Construction method and displacement field -- 2.2.3. Displacement field -- 2.2.4. The surface of potential failure and tensile stresses in the reinforcement -- 2.2.5. Location and distribution of maximum tension in an RE wall -- 2.2.6. Friction between the soil and the RE reinforcement -- 2.2.7. Designing RE structures -- 2.2.8. The behavior of Reinforced Earth under triaxial shear testing -- 2.3. In situ soil nailing -- 2.3.1. The principles of nailing -- 2.3.2. The behavior of nailed walls -- 2.3.3. The interaction between the soil and the rod: the forces occurring around the rigid rod -- 2.3.4. The dimensions of the structures made from nailed earth -- 2.4. Soil reinforcement with micropiles -- 2.4.1. The principle of micropiles -- 2.4.2. Types of forces on micropiles and an assessment of possible actions -- 2.4.3. Theoretical study of an isolated micropile under centered axial load -- 2.4.4. An isolated micropile that causes a lateral reaction in the soil.
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