

Elevator Commissioning Guide

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This chapter provides the operation instructions for the elevator industry. Refer to the content of this chapter, you can quickly complete the installation and commissioning of elevators, including related wiring and parameter setting.

Please pay special attention to the following precautions while operating this product.



DANGER

- ☑ Be sure to turn off the power before wiring.
- ☑ When the product is energized, do not remove the cover so as to avoid the risk of electric shock.
- ☑ Terminal E[Ⓢ] must be properly grounded. The 230V series shall be grounded with Type 3 grounding; the 460V series shall be grounded with the special grounding.



CAUTION

- ☑ Before starting the operation, please make sure the compatibility between Delta's Integrated Elevator Drive (IED) and the motor of the elevator; please refer to Appendix A Specifications.
- ☑ When a Delta IED is in operation, do not touch the heat sink (socket) and the braking resistor to avoid the risk of burns.
- ☑ During the installation, the installation precautions must be observed; unauthorized operating environment may result in fire, gas explosion, electrical induction and other events.
- ☑ If the wiring between the Delta IED and a motor is too long, the interlayer insulation of the motor may be damaged. In this case, please replace the motor with an AC motor dedicated for Delta IED or install a reactor (Please refer to Appendix B) between Delta IED and the AC motor so as to prevent the damaged insulation from burning the AC motor.
- ☑ The rated voltage of the power system for installing the Delta IED shall not exceed 240 V for the 230 series (480V for the 460 series); and the current shall not exceed 5000A RMS (10000A RMS for the models with capacities higher than 40HP (30kW))

Elevator Commissioning Guide

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described in PMBOK published by Project Management Institute PMI The information available in the book will also prove valuable for academics instructors to provide construction management project management students with in depth knowledge and guidelines followed in the construction projects and familiarize them with construction management practices

SFPE Handbook of Fire Protection Engineering Morgan J. Hurley, Daniel T. Gottuk, John R. Hall Jr., Kazunori Harada, Erica D. Kuligowski, Milosh Puchovsky, Jose' L. Torero, John M. Watts Jr., CHRISTOPHER J. WIECZOREK, 2015-10-07 Revised and significantly expanded the fifth edition of this classic work offers both new and substantially updated information As the definitive reference on fire protection engineering this book provides thorough treatment of the current best practices in fire protection engineering and performance based fire safety Over 130 eminent fire engineers and researchers contributed chapters to the book representing universities and professional organizations around the world It remains the indispensable source for reliable coverage of fire safety engineering fundamentals fire dynamics hazard calculations fire risk analysis modeling and more With seventeen new chapters and over 1 800 figures the this new edition contains Step by step equations that explain engineering calculations Comprehensive revision of the coverage of human behavior in fire including several new chapters on egress system design occupant evacuation scenarios combustion toxicity and data for human behavior analysis Revised fundamental chapters for a stronger sense of context Added chapters on fire protection system selection and design including selection of fire safety systems system activation and controls and CO2 extinguishing systems Recent advances in fire resistance design Addition of new chapters on industrial fire protection including vapor clouds effects of thermal radiation on people BLEVEs dust explosions and gas and vapor explosions New chapters on fire load density curtain walls wildland fires and vehicle tunnels Essential reference appendices on conversion factors thermophysical property data fuel properties and combustion data configuration factors and piping properties Three volume set not available separately

Guidelines for Integrating Process Safety into Engineering Projects CCPS (Center for Chemical Process Safety), 2018-11-12 There is much industry guidance on implementing engineering projects and a similar amount of guidance on Process Safety Management PSM However there is a gap in transferring the key deliverables from the engineering group to the operations group where PSM is implemented This book provides the engineering and process safety deliverables for each project phase along with the impacts to the project budget timeline and the safety and operability of the delivered equipment

Handbook of Loss Prevention Allianz-Versicherungs-AG, 2012-12-06 The German original of this Handbook of Loss Prevention was compiled during the course of many years work by the engineers of the Department for Engineering Insurances the scientists of the Allianz Centre for Technology and representatives of industry It is based on the loss experience and practical loss research studies of the Allianz over a period of more than five decades The Handbook of Loss Prevention is a supplement to the technical literature from the field of engineering in the form of a collective work comprising examples of damage to machinery and technical plant and pertinent pointers on loss prevention It has ranks

among the recognised handbooks for engineers in the fields of planning design manufacture and operation The great interest and wide acclaim according the German edition of this handbook by industry in 1972 confirm the traditional aims of the Allianz in placing loss prevention in technical plants in the foreground of their service to clients The English edition of the handbook under review here enables this valuable engineering know how to be made available at international level with the object of preventing losses by the exchange of ideas and experience The literature references have been taken over from the German edition in unchanged form in order to bring to the attention of English speaking experts a bibliography which is little known outside Germany

Green Schools National Research Council, Division on Engineering and Physical Sciences, Board on Infrastructure and the Constructed Environment, Committee to Review and Assess the Health and Productivity Benefits of Green Schools, 2007-02-25 Evidence has accumulated that shows that the quality of indoor environments can affect the health and productivity of adults and children One consequence is that a movement has emerged to promote the design of schools that have fewer adverse environmental effects To examine the potential of such design for improving education several private organizations asked the NRC to review and assess the health and productivity benefits of green schools This report provides an analysis of the complexity of making such a determination and an assessment of the potential human health and performance benefits of improvements in the building envelope indoor air quality lighting and acoustical quality The report also presents an assessment of the overall building condition and student achievement and offers an analysis of and recommendations for planning and maintaining green schools including research considerations

ASHRAE Handbook, 2007 **Guidelines for Laboratory Design** Louis J. DiBerardinis, Janet S. Baum, Melvin W. First, Gary T. Gatwood, Anand K. Seth, 2013-04-08 Proven and tested guidelines for designing ideal labs for scientific investigations Now in its Fourth Edition *Guidelines for Laboratory Design* continues to enable readers to design labs that make it possible to conduct scientific investigations in a safe and healthy environment The book brings together all the professionals who are critical to a successful lab design discussing the roles of architects engineers health and safety professionals and laboratory researchers It provides the design team with the information needed to ask the right questions and then determine the best design while complying with current regulations and best practices *Guidelines for Laboratory Design* features concise straightforward advice organized in an easy to use format that facilitates the design of safe efficient laboratories Divided into five sections the book records some of the most important discoveries and achievements in Part IA Common Elements of Laboratory Design sets forth technical specifications that apply to most laboratory buildings and modules Part IB Common Elements of Renovations offers general design principles for the renovation and modernization of existing labs Part II Design Guidelines for a Number of Commonly Used Laboratories explains specifications best practices and guidelines for nineteen types of laboratories with three new chapters covering nanotechnology engineering and autopsy labs Part III Laboratory Support Services addresses design issues for imaging facilities support shops hazardous waste

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