



工程设计与设计

办: 国家机械工业局工程建设中心 中国机械工业勘察设计协会 中国中元国际工程公司 CN 11-3914/TU 2012年第3期 总第287期

传统与现代的
“双面苏绣”

匈牙利现代建筑的
创新传统

当代消费文化下的
家居建材市场设计

酒店节能的
五大误区

整合OR被整合
——资本运作时代设计院
面临的选择

ISSN 1007-9467



9 771007 946103

03 >

5 卷首

坚定“走出去”，平安“走回来”

6 动态资讯

8 大师访谈

本色军人，本色罗继杰

12 论坛

新中式建筑的创新设计

当代消费文化下的家居建材市场设计

18 天强视点

整合OR被整合

——资本运作时代设计院面临的选择

20 ECUC观点

酒店节能的五大误区

22 律师说法

工程设计合同签订的风险分析与防(下)

26 设计之友

传统与现代的“双面苏绣”

28 建筑霓虹

时代·技术·君隆广场

32 信息化

对勘察设计企业信息化建设的思考

36 世界之旅

匈牙利现代建筑的传统VS创新



封面供图：天津市建筑设计院

建筑与结构设计

- 41 援建纳米比亚医院工程总图设计(李震)
- 44 走进非洲——援毛塔政府办公楼施工现场设计代表工作总结(李波,魏黎明)
- 49 中小户型住宅的内部空间设计(刘丽,王林)
- 52 某高校大礼堂结构设计(李娟,袁文章)
- 55 钢管混凝土柱-钢梁隔板贯通节点内孔径分析(李豪,李成玉)
- 58 影响钢管混凝土外加强环节节点环板受力性能因素分析(李成玉,郭耀杰)
- 61 从博洋上海总部项目看绿色建筑理念与常规设计手法(蓝晓丹)
- 65 钢管混凝土柱轴心受压承载力的计算方法对比分析(张翔)
- 67 谈厂房内增设防火墙问题(马琳理,吕强,刘国策)

制造工程设计

- 69 重型吊车轨道联结及接头焊接工程实践(金亚春,程媛,冯秋虹)
- 72 集成设计思想浅析(颜廷斌,杨文标)

公用工程设计

- 75 海外建设工程对外贸易风险分析(孙旭)
- 78 地铁电梯远程监控系统的设计与实现(王远庆)
- 82 某省级办公楼空调采暖系统设计(赵柏岩)
- 84 热电联产供热系统二次网供水温度的确定(李春庆)
- 87 五洲会友国际大酒店暖通空调设计(钟海华)

环境工程设计

- 90 动力站房燃油系统的防泄漏设计探讨(张铭,於玲)

基础工程设计

- 94 抗滑桩与重力式挡土墙结合在工程中的应用(陈玉红)

市政·交通·水利工程设计

- 96 平面异形板(梁)横向分布系数计算初探(郭先耀,罗朝奇)
- 101 谈隧道工程抗震概念设计(陈庆,曹光华)
- 103 莞惠城际轨道隧道监测及隧道稳定性分析(周君华,宋金良)
- 108 东莞轨道交通R2线施工控制网复测与分析(胡崇发,徐顺明,郑明中)
- 112 ADMS测量机器人系统在深圳地铁监测设计与实践(李鹏,徐顺明)
- 117 梁式转换层混凝土施工技术探析(毕原)

工程施工技术

- 119 沿海地区PHC管桩穿越软弱夹层土的施工(欧义明)
- 123 大体积混凝土温度场常用计算方法浅析(田孟晋,王道明)
- 125 高层建筑给排水施工技术探讨(赵庆唐)
- 128 房屋建筑混凝土楼板常见裂缝控制措施分析(赵路)

工程项目管理

- 131 PM模式下PDCA循环在施工进度管理中的应用实例(王道明)
- 134 QLHY项目顾客满意度改进策略研究(马莹)
- 137 基于模糊案例推理的工程量清单综合单价生成系统研究(王素芳)
- 141 注册建筑师考试与设计实践漫谈(姚书)
- 144 大型商业项目业主方设计界面管理(吴伟,金凤)
- 148 谈如何编写建设工程项目管理工作总结(赵勇)
- 153 房地产企业施工合同计价方式与风险分配分析(范新宇)
- 155 新农村场地建设竖向规划及其方案评价(王秋平,何珍,王元,刘宝辉)
- 147 书讯



5 FOREWORD

Firm Go Out, Peace Go Back

6 INFORMATION

8 INTERVIEW

The True Nature of Military, Luo Ji-jie Qualities

12 FORUM

Innovative Design Concepts of the New Chinese Architecture

Design of Home Building Materials Market in Contemporary Consumer Culture

18 INFORMATIONIZATION

The Survey and Design Enterprise Informationization Construction

20 TIAN QIANG VIEW

The Integration of OR Is Integrated Operation of the Capital Times Design Institute Faces Choice

22 ECUC VIEW

Hotel Energy-saving Construction of Five Errors

26 BUILDING NEON

Time · Technology · JunLong Square

28 LAWYERS ARGUMENT

Engineering Contract Risk Analysis and Prevention (II)

32 FRIENDS OF DESIGN

Traditional and the Modern "Double-sided Suzhou Embroidery"

35 WORLD VOYAGE

Hungarian Modern Architectural Tradition of Innovation

ARCHITECTURAL AND STRUCTURAL DESIGN

- 41 General plan of hospital-aided project to Namibia (LI Xia)
- 44 Into Africa — Work Summary of Design Representative of Assistance to Mauritanian Government Office Building Construction Site (LI Bo, WEI Li-ming)
- 49 Internal Space Design on Medium-small Apartment (LIU Yi, WANG Shu)
- 52 The Structural Design of Assembly Hall of One University (LI Juan, YUAN Wen-zhang)
- 55 Nonlinear FEM Analysis of the Size of Inner Pore of Concrete Filled Steel Tube Column to RBS Beam Connections with Crossing Diaphragm (LI Rui, LI Cheng-yu)
- 58 Analysis of Influencing Factors for the Ring Plate Mechanical Properties of CFST with Out Stiffener Ring Connection (LI Cheng-yu, GUO Yao-jie)
- 61 A View of the Green Building Theory and Some Conventional Design Methods Based on Brose China Co. Ltd., Headquarters and Production, Shanghai (LAN Xiao-dan)
- 65 Comparative Analysis of Computational Formulas of Concrete-filled Tubular Steel Columns Under Uniaxial Loading (ZHANG Xiang)
- 67 Discussion on the Issues of the Addition of Firewall in the Workshop (MA Lin-jin, LV Qiang, LIU Guo-liang)

MANUFACTURE ENGINEERING DESIGN

- 69 Engineering Practice of Track Fastenings and Track Weld Joints on Heavy-duty Cranes (JIN Ya-chun, CHENG Yuan, FENG Qiu-hong)
- 72 Analysis on the Topic of Intergration Design (YAN Ting-zhuang, YANG Wen-biao)

PUBLIC ENGINEERING DESIGN

- 75 Study on Foreign Trade Risk of Abroad Construction Project (SUN Xu)
- 78 Design and Implementation of Metro Elevator Remote Monitoring System (WANG Yuan-qing)
- 82 A Provincial Office Building Air-Conditioning and Heating System Design (ZHAO Bai-yan)
- 84 CHP Heating System Two Network of Supply and Return Water Temperature Determination (LI Chun-qing)
- 87 HVAC Design of Wuzhou Huiyou International Hotel (ZHONG Hai-hua)

ENVIRONMENT ENGINEERING DESIGN

- 90 Discussion on the Leak Prevention Design in the Power Station House's Fuel System (ZHANG Ming, YU Ling)

ENGINEERING DESIGN OF THE GROUND

- 94 The Adhibition of Anti-slide Pile and Gravity Retaining Wall in Engineering (CHEN Yu-hong)

MUNICIPAL · TRAFFIC · WATER RESOURCES · ENGINEERING DESIGN

- 96 The Preliminary Inquiry for the Calculation of the Coefficient of the Transverse Distribution of Special-shaped Board or Beam (GUO Xian-yao, LUO Chao-zhuan)
- 101 Discuss on Seismic Conceptual Design of Tunnel Engineering (CHEN Qing, CAO Guang-hu)
- 103 Monitoring Measure and Tunnel Stability Analysis in Guanhui Intercity Rapid Transit (ZHOU Jun-hua, SONG Jin-liang)
- 108 Measurement and Analysis of Complex Control Network on Dongguan Rail R2 line (HU Cong-fa, XU Shun-ming, ZHENG Ming-shen)
- 112 Design and Practice of Monitor on ADMS Measuring Robot Monitoring System in Shenzhen Metro (LI Peng, XU Shun-ming)
- 117 Girder Transfer Layer Concrete Construction Technique Analysis (QIU Yuan)

CONSTRUCTION TECHNOLOGY

- 119 Construction of PHC Pipe Pile Penetrating Soft Soil Interlayer in Coastal Areas (OU Yi-ming)
- 123 Analysis of Typical Methods on Massive Concrete Temperature Field's Calculation (TIAN Meng-jin, WANG Dao-ming)
- 125 High-rise Building Water Supply and Drainage Construction Technology discussion (ZHAO Qing-tang)
- 128 Housing Construction Concrete Floor Cracks Control Measures (ZHAO Lu)

PROJECT MANAGEMENT

- 131 An Example of Applying PDCA Cycle in the Construction Schedule Management under PM Mode (WANG Dao-ming)
- 134 Study on Improved Strategy of Customer Satisfaction in QLHY Project (MA Ying)
- 137 The Research of the Comprehensive Unit Price Estimation of Bill Quantity Based on Fuzzy Case-based Reasoning (WANG Su-fang)
- 141 Certified Architect Examination and Design Practice Ramble (YAO Wei)
- 144 The Owner's Design Management in a Mega Commercial Project (WU Zheng, JIN Feng)
- 148 How to Compile the PM Summary of an Engineering Project (ZHAO Yong)
- 153 Pricing Model and Risk Analysis of Construction Contracts for Real Estate Industry (FAN Xin-yu)
- 155 The Vertical Plan and Program Evaluation in the New Rural Construction Site (WANG Qiu-ping, JIE Zhen, WANG Yuan, LIU Bao-hui)