

TU 206
201

华南理工大学建筑学术丛书

Architectural Academic Series of South China University of Technology

建筑设计研究院建筑设计作品集

Collected Architectural Design Works

of

Architectural Design & Research Institute

华南理工大学建筑设计研究院

中国建筑工业出版社

图书在版编目 (CIP) 数据

建筑设计研究院建筑设计作品集/华南理工大学建筑设计院研究. —北京: 中国建筑工业出版社, 2002
(华南理工大学建筑学术丛书)
ISBN 7-112-05486-9

I. 建… II. 华… III. 建筑设计-作品集-中国-现代
IV. TU206

中国版本图书馆 CIP 数据核字 (2002) 第 082914 号

责任编辑 常 燕

华南理工大学建筑学术丛书
建筑设计研究院建筑设计作品集
华南理工大学建筑设计研究院

中国建筑工业出版社 出版、发行 (北京西郊百万庄)

新华书店经销

深圳利丰雅高印刷有限公司印刷

开本: 787×1092 毫米 1/12 印张: 21 字数: 450 千字

2002 年 11 月第一版 2002 年 11 月第一次印刷

印数: 1-1,500 册 定价: 230.00 元

ISBN 7-112-05486-9

0TU·4816 (11100)

版权所有 翻印必究

如有印装质量问题, 可寄本社退换

(邮政编码 100037)

本社网址: <http://www.china-abp.com.cn>

网上书店: <http://www.china-building.com.cn>

华南理工大学建筑学术丛书

主 编：何镜堂

副 主 编：肖大威

编辑委员会（以姓氏笔划为序）：

孔志诚 邓其生 孙一民 叶荣贵 刘管平 江壁淮
何镜堂 吴庆洲 吴硕贤 肖大威 孟庆林 陆元鼎
赵红红 陶 郅 程建军

执 行 主 编：

肖大威

执 行 副 主 编：

孟庆林 陶 郅

建筑学系教师论文集执行主任编辑：

鲍戈平

设计作品集执行主任编辑：

陶 郅 许吉航 王国光

建筑学系教师论文集（上）

执行编辑：冯 江

建筑学系教师论文集（中）

执行编辑：张小星

建筑学系教师论文集（下）

执行编辑：王 璐

建筑学系教师设计作品集

执行编辑：庄少庞

建筑学系校友设计作品集

执行编辑：许吉航 李小驰

建筑设计研究院建筑设计作品集

执行编辑：隋 郁

建筑设计研究院校园规划设计作品集

执行编辑：隋 郁

快速建筑设计思维与表达

叶荣贵 庄少庞 著

音 乐 与 建 筑

吴硕贤 著

岭南古代大式殿堂建筑构架研究

程建军 著

封面设计：曹声东

译 文：曹国建

参加编辑人员：赵越喆 许自力 郭 祥 周玄星 刘宇波 郭卫红 方小山 刘 红

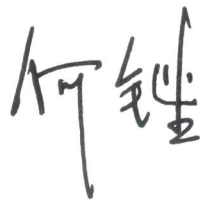
序

华南理工大学建筑学院（其前身为广东襄勤大学建工系），自1932年成立至今已走过了七十年的风雨历程。在这七十年中，从早期留法归来的广东襄勤大学建工系创始人林克明先生到夏昌世、陈伯齐、谭天宋、胡罗飞、龙庆忠等一批留德、留日的学者，共同奠定了岭南建筑学派的教育风格，形成了我院严谨的设计观念与广东开放、内外兼容相结合的务实能干、紧密联系社会实际的优良传统。其后经过几代岭南人的努力，在探索发扬岭南建筑传统风格的基础上，不断创新，直到今天，乘着改革开放的东风，在卓有成效的开展岭南建筑的系统研究的基础上，我院以更多的优秀作品浇铸了岭南建筑创新的平台，开创出岭南建筑走向世界的方兴未艾新局面。

这几十年来，经过几代师生的共同努力，我们的建筑学院为祖国建设培养出了一大批栋梁之材，他们在祖国各条战线上默默耕耘无私奉献，作出了出色的成绩。其中既有活跃于各行各业的专家、建筑师，也有各地区、部门的领导，以及学科的带头人以至国家设计大师和中国工程院院士，尤其在华南地区，更是做出了突出的贡献，正是他们的努力，使我们学院成为在全国建筑行业极具影响力的重点院校之一。

这套专集，收集了我院师生在各自的领域内的研究和设计成果，其中包括了3本建筑系教师论文汇编，4本作品专集和3本专著。作者中既有老一辈的专家、教授，也有教育、生产一线的中青年教师、设计师和在读的硕士、博士研究生，作品涉及面广，从建筑设计理论到城市规划，以及历史、文化和建筑技术方方面面的研究，汇集出版这套专集，也作为建筑学院成立七十周年的一份厚礼。

随着祖国的发展，特别是近十几年来，在改革开放的大好形势下，我院广大师生先后有一大批建设项目和设计获得部级和国家级大奖，取得了辉煌的成绩。我院创建于岭南地区，形成了我院以岭南建筑系统研究为基础的地域特点，以创新为特征的敢为天下先的学术传统，以实践动手能力培养为重点的理论联系实际的学风，以作品获奖多、学生受社会欢迎为特色，设计院与建筑系产、学、研相结合的教育模式。如今正值我国建设与教育的跨越式大发展时期，长江后浪推前浪，江山辈有人才出，一大批中青年教师及设计人员在老一辈学者专家的培养、带领下已成长为我院科研、教学、创作的骨干。展望未来，相信我院广大师生一定能够在这个大好形势下，发扬优良传统，为祖国建设做出更大贡献，创造更加光辉灿烂的明天。



何镜堂：华南理工大学建筑学院院长，教授，博士生导师
中国工程院院士，中国工程设计大师

Preface

College of Architecture and Civil Engineering of South China University of Technology (former Department of Civil Engineering of Guangdong Xiangqin University) was founded in 1932. She has experienced 70 years of trials and hardships since then. In the past 70 years, the founder of the former Department of Civil Engineering of Guangdong Xiangqin University, Mr. Lin Keming, returned from France, and a number of other returned scholars from Germany and Japan, such as Xia Changshi, Chen Boqi, Tan Tiansong, Hu Luofei and Long Qingzhong, etc., they have jointly established the style of education of the Lingnan Architectural school and formed our college's strict and precise design concept and our good tradition, which harmonizes with Guangdong's opening to both the inland and the world, of being true to facts, keeping improving skills and integrating our work closely with the social reality. The following generations of them have been making great efforts to constantly bring forth new ideas on the basis of exploring and carrying forward the traditional styles of the Lingnan architectures since then. With the advantage of the open policy and on the basis of the highly effective systematic research on the Lingnan architectures, our college has constructed a foundation for innovation of the Lingnan architectures with even more excellent works and just unfolded her way to the world for the Lingnan architectures.

In the past years, through the joint efforts of generations of teachers and students, College of Architecture and Civil Engineering has cultivated a large number of pillars of the state for the construction of our country, who work hard and sacrifice themselves selflessly on all fronts and have made great successes and among them, there are experts of all fields, architects, leaders of various districts and departments or units and guides of branches of learning and even great national design masters and academicians of the Engineering Academy of China. They have made, especially in South China, outstanding contributions. It is just because of their efforts that our college has become one of the very influential key colleges in the field of architecture of our country.

This set of special publications collects all the research and design achievements of the teachers and students of our college in their own fields, including three thesis collections of the teachers of College of Architecture and Civil Engineering, four special florilegia and three monographs, of whose authors, there are the earliest and earlier generations of experts, professors and middle-aged and young teachers and constructors and postgraduates studying for their degrees. Their articles, works and books cover everything, including the theory of architectural design, city planning or research on all the fields of history, culture and architectural technology. This set of special publications is also a generous gift to the 70th anniversary of the founding of College of Architecture and Civil Engineering.

With the development of our country, especially in the recent decades and under the good situation brought about by the open policy, a large number of construction projects and designs by the teachers and students of our college have obtained such brilliant achievements that they won awards and prizes awarded by the Ministry and the Government of our country. Our college is in the Lingnan region, therefore she has a regional characteristic in her research, which is based on the Lingnan architectural system, while having an academic tradition of daring to scale the heights characteristic of innovation, a style of study that integrates theory with practice, which focus on the training of practical abilities, a character that she has won many awards and prizes and her students are socially welcome and an education pattern that combines the production, study and research of the Design Institute and the College of Architecture and Civil Engineering. Today, we are just in the period of our country's construction and the fast development of education. The waves behind drive on those before and younger generations are kept being turned out. Under the cultivation and guidance of the older generations of experts, a large number of young and middle-aged teachers and designers have become the life and soul of our college's scientific research, teaching and creative work. Looking beyond, we are full of confidence that with the advantage of the good situation, the teachers and students of our college will surely carry forward our good traditions to make greater contributions and create a more brilliant future.

He Jingtang

*He Jingtang: Dean of College of Architecture and Civil Engineering of South China University of Technology
& Academician of the Engineering Academy of China*

前 言

华南理工大学建筑设计研究院从 1979 年建院至今，整整走过了二十三个春秋了，随着国家改革开放的步伐，经历了从白手起家——艰苦创业——立足广州——服务全省——跨省出国的发展历程，在各方的支持帮助下，取得了较好的综合效益，成为国内有较大影响力和知名度的国家甲级设计院。

二十多年来，院坚持以“扬高校优势、树精品意识、创优秀设计、送真诚服务”的办院方针，依托高校人才和技术优势，充分发挥产学研相结合的作用，狠抓创优，同时引入竞争机制，鼓励设计人员参加各项设计竞赛，在院内营造良好的创作氛围，使我院在良性循环中不断壮大和发展。二十多年来，不但创作了一批包括国家金、银、铜奖在内的优秀设计，而且培养了一批包括中国工程院院士、国家设计大师、教授在内的技术骨干力量，在技术人员中半数有硕士学位和获得国家一级注册建筑师和注册工

程师资格，同时为国家培养了一批博士和硕士生。

这套集子收集了设计院建院以来，特别是近二、三年来一些作品，其中多数是获奖作品或竞赛中选方案。这中间有文化素质较高的作品如广州西汉南越王墓博物馆；有综合技术难度较高的作品如珠海机场、星海音乐厅；有超高层大型建筑群如大都会广场及中国市长大厦；有近年来一大批水平较高的校园规划设计如浙江大学、郑州大学、武汉大学等；还有与国外合作设计的大型项目广州会展中心、广州奥林匹克体育中心。为了便于分类，分成二本集子，其中一本为设计的作品图集，另一本为校园规划设计图集。

这套集子的出版，既是我院设计工作的小结，又作为华南理工大学建校五十周年和华南理工大学建筑学院（原襄勤大学建工系）创建七十周年的献礼。由于时间仓促，错漏难免，不足之处，敬请同行专家批评指正。

何镜堂

目 录

序

前言

办公建筑

大都会广场及中国市长大厦	3
惠州行政中心办公楼	6
广州邮件处理中心生产辅助楼	10
佛山电力生产调度大楼	18
广州新机场高速公路蚌湖监控中心	24
高级商用写字楼	26
江门电视中心	28
数码方舟—中国联通广州通讯枢纽	32
天伦总部办公楼	36
烟草大厦（原天伦总部大厦）	38
东方鑫源大厦	43
华源大厦	44
武汉凯迪大厦	46
珠江水利委员会办公楼	48

博览建筑

西汉南越王墓博物馆	52
广州国际会议展览中心	56
中国国际航空航天博览会新闻中心	60
虎门鸦片战争海战博物馆	64
岭南画派纪念馆	71
九一八事变纪念馆	73
深圳科学馆	76

观演建筑

星海音乐厅	80
广州歌剧院设计方案（第一轮）	85
广州歌剧院设计方案（第二轮）	90
东莞大剧院	95

交通建筑

珠海机场旅客航站楼、航管楼	102
白云机场航管楼	108

海口火车站	112
-------------	-----

居住建筑

东莞城市中心区居住小区	119
广州珠江新城南国花园居住小区	122
叠彩美地 A 居住小区	127
叠彩美地 B 居住小区	130
广西南宁三坊街旧城改造工程	135
南京金轮大厦	138
南宁大自然小区	141
南宁中房翡翠园康居示范小区	145
畔江花园	148

体育建筑

广东奥林匹克体育场	152
深圳市福田区人民体育场方案设计	156
芜湖市体育场方案设计	161
玉林市体育馆方案设计	164
广州九运会奥林匹克体育中心射击馆	169

医院建筑

斯里兰卡首都儿童医院住院部	173
郑州中医学院病院楼方案设计	176

其他建筑

宝安新城广场	183
东莞西城楼文化中心	187
南京图书馆	190
黄河中心	194
e 世界	196
东莞石龙 E 时代广场	201
广州港湾广场	203
西樵山圣境园大门	204
番禺市青少年活动中心	207
广铁博鳌培训中心	213
辽宁省高级人民法院	217
南宁火车站站前广场规划	221
天伦中心	224

郑州信乐大酒店	227
珠海南方软件园	228
东莞市清溪镇商业中心	231

新城商业大厦	232
盐城市城市中心广场	234
潮州市中心广场	238

CONTENTS

Preface

Foreword

Office Building

The Metropolis Plaza and the Chinese Mayors Building	3
The Conceptual Design of the Office Building of Huizhou Administration Center	6
Guangzhou Mail Processing Center Auxiliary Building	10
Foshan Power Production Dispatching Building	18
The New Guangzhou Airport Speedway Banghu commanding and control Center	24
Top Grade Commercial Office Tower	26
The Conceptual Design of Jiangmen TV Center	28
Guangzhou Communication Pivot of China Unicom	32
The Office Building of Tianlun Headquarters	36
Tobacco Mansion (former Tianlun Headquarters Mansion)	38
The Oriental Xinyuan Building	43
Huayuan Building	44
Wuhan Kaidi Building	46
The Design of the Office Building of the Conservancy of the Pearl River	48

Museum Building

The Museum of the Tomb of Prince Nanyue in the Western Han Dynasty	52
Guangzhou International Convention and Exhibition Center	56
The Conceptual Design of the News Center of the International Aviation and Aerospace Exhibition, P. R. China	60
The Naval Battle Museum of the Humen Opium War	64
The Memorial Hall of Lingnan Painting School	71
The Memorial Hall of 9. 18 Event	73
Shenzhen Science Hall	76

Performing Arts Building

Xinhai Concert Hall	80
The Design scheme of Guangzhou Opera (First Round)	85
The Design scheme of Guangzhou Opera (Second Round)	90
The Conceptual Design of Dongguan Theater	95

Traffic Building

The Conceptual Design of the Air Terminal Building and the Aviation Administration
--

Building of Zhuhai Airport	102
The Conceptual Design of the Aviation Administration Building of Baiyun Airport	108
The Conceptual Design of Haikou Railway Station	112

Residential Building

The Residential Area in the Downtown of Dongguan City	119
Guangzhou Pearl River New City Nanguo Garden Residential District	122
Scheme A of Diecaimeidi Residential District	127
Scheme B of Diecaimeidi Residential District	130
The Reconstruction Project of Sanfang Street in Nanning, Guangxi	135
Nanjing Jinlun Mansion	138
The Nature Residential District in Nanning	141
Kangju Demonstration Residential District of Zhongfang Feicui Garden in Nanning	145
Riverside Garden	148

Sports Building

Guangdong Olympic Stadium	152
The Conceptual Design of the People's Stadium of Futian, Shenzhen	156
The Conceptual Design of Wuhu Stadium	161
The Conceptual Design of Yulin Stadium	164
The Shooting Hall of the Olympic Sports Center for the Guangzhou 9th National Games	169

Hospital:

The Inpatient Department of the Capital Children's Hospital in Sri Lanka	173
The Conceptual Design of the Sickroom Building of Zhengzhou Traditional Chinese Medicine College	176

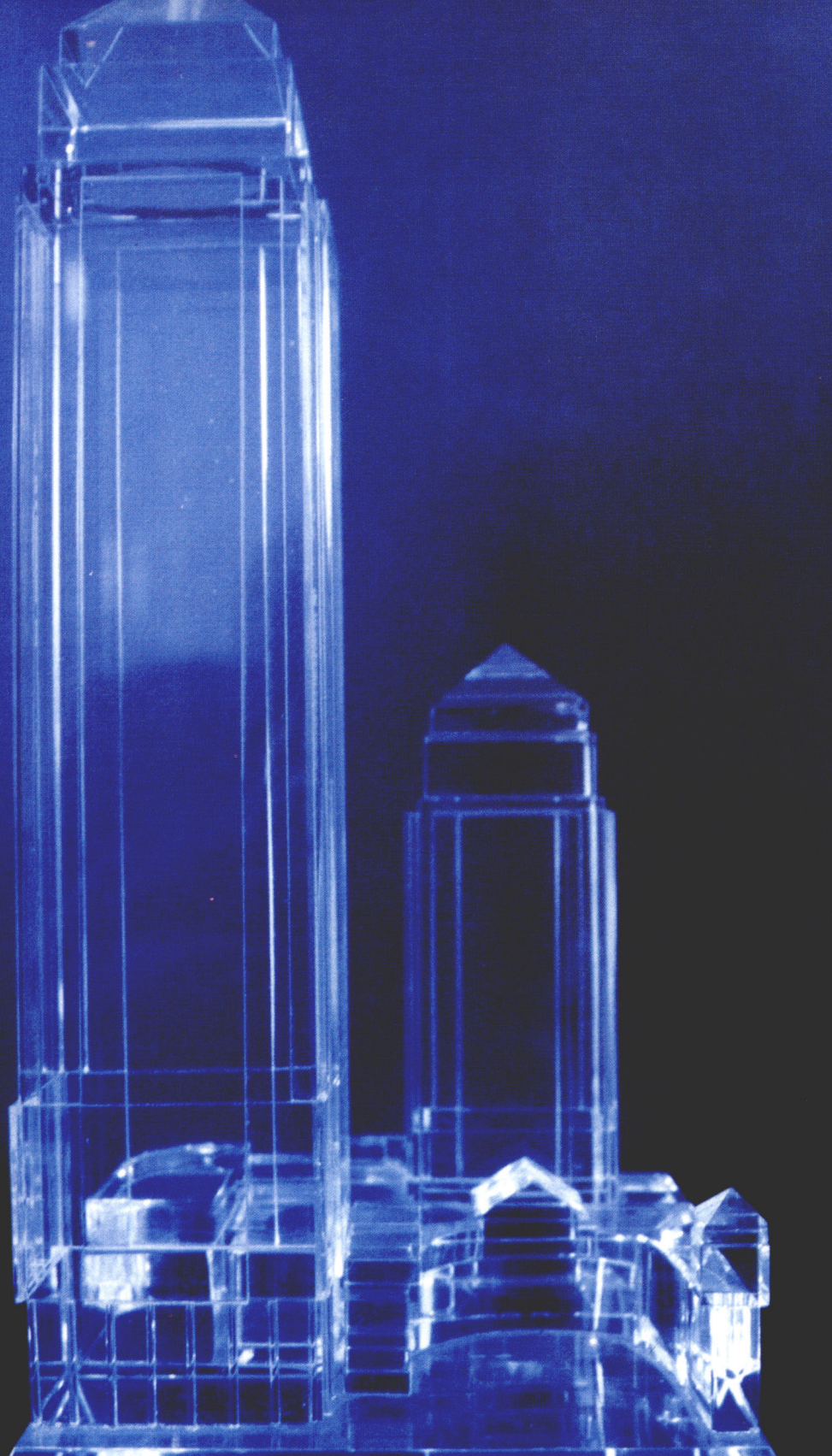
Others:

Baoan Xincheng Plaza	183
Dongguan Xicheng Cultural Plaza	187
Nanjing Library	190
The Yellow River Center	194
e World	196
Dongguan Shilong E-times Plaza	201
Guangzhou Bay Square	203
The Gate of Xiqiao Hill Shengjing Park	204
Panyu Teenagers' Activity Center	207
Guangzhou Railroad Bureau Bo'ao Training Center	213

Design of the Building of the Liaoning Provincial Superior People's Court	217
Conceptual Design of the Station Square of Nanning Railway Station	221
Tianlun Center	224
Xinle Hotel, Zhengzhou	227
Zuhai Nanfang Software Park	228

Dongguan Qingxi Town Commercial Center	231
The New City Commercial Building	232
Yancheng Urban Central Square	234
Conceptual design of Chaozhou Central Square	238

Office Building 办公建筑



华南理工大学建筑设计研究院设计

大都会广场及中国市长大厦

The Metropolis Plaza and the Chinese Mayors Building

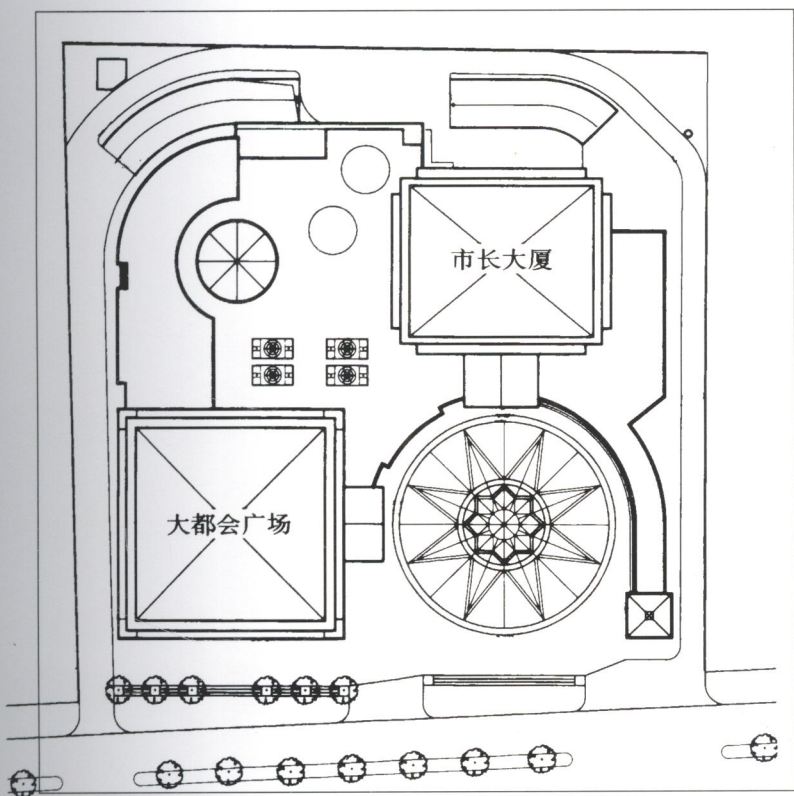
地点: 广州 Location: Guangzhou, Guangdong
 时间: 1993/1995 Design/Completion: 1993/1995
 建筑面积: 90,900m² Building area: 90,900m²

获奖情况: 国家优秀设计铜奖
 教育部 1998 年优秀设计三等奖
 建设部“特别鲁班奖”

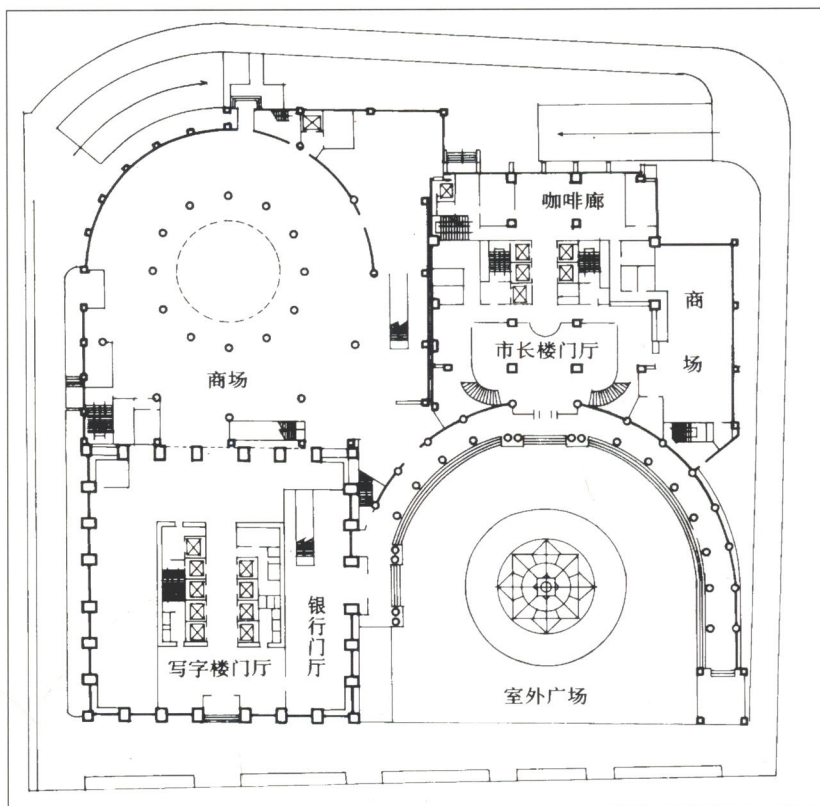
Result: The state Bronze Medal of Excellent Architectural Design
 Second Prize for its excellent design awarded by Ministry
 of Construction(1998)
 “Special Lu Ban Award” by Ministry of Construction(1998)

本工程将用地分成两部分: 一是 48 层的大都会广场, 二是 28 层的中国市长大厦, 通过三层商业裙房组成一个前后高低错落有致的建筑群体, 总面积 90,900m², 建筑造型简洁, 时代感强。入口前面运用了古典柱廊, 形成马蹄形广场, 该广场作为两个主体建筑的交点, 既创造了优美的建筑空间, 为市民提供了一个休闲的活动广场, 又使整个建筑群融为一个有机的整体, 着意表达现代化大都会广场的文化内涵和气质。

The building complex consists of the 48-story Metropolis Plaza and the 28-story Chinese Mayors Building connected by a 3-story commercial building skirting around, with a total floor space of 90,900m². The complex is higher in the front portion and lower at the back. In front of the entrance, classical colonnades are arranged in such a manner as to form a U-shaped square right at the intersection point of the two main buildings. Thus, the different components of the architectural complex are merged into one organic whole and an elegant architectural space is created for the citizens engage in various leisure activities. The design is aimed at expressing the cultural connotation as well as the qualities of a modern metropolis plaza.



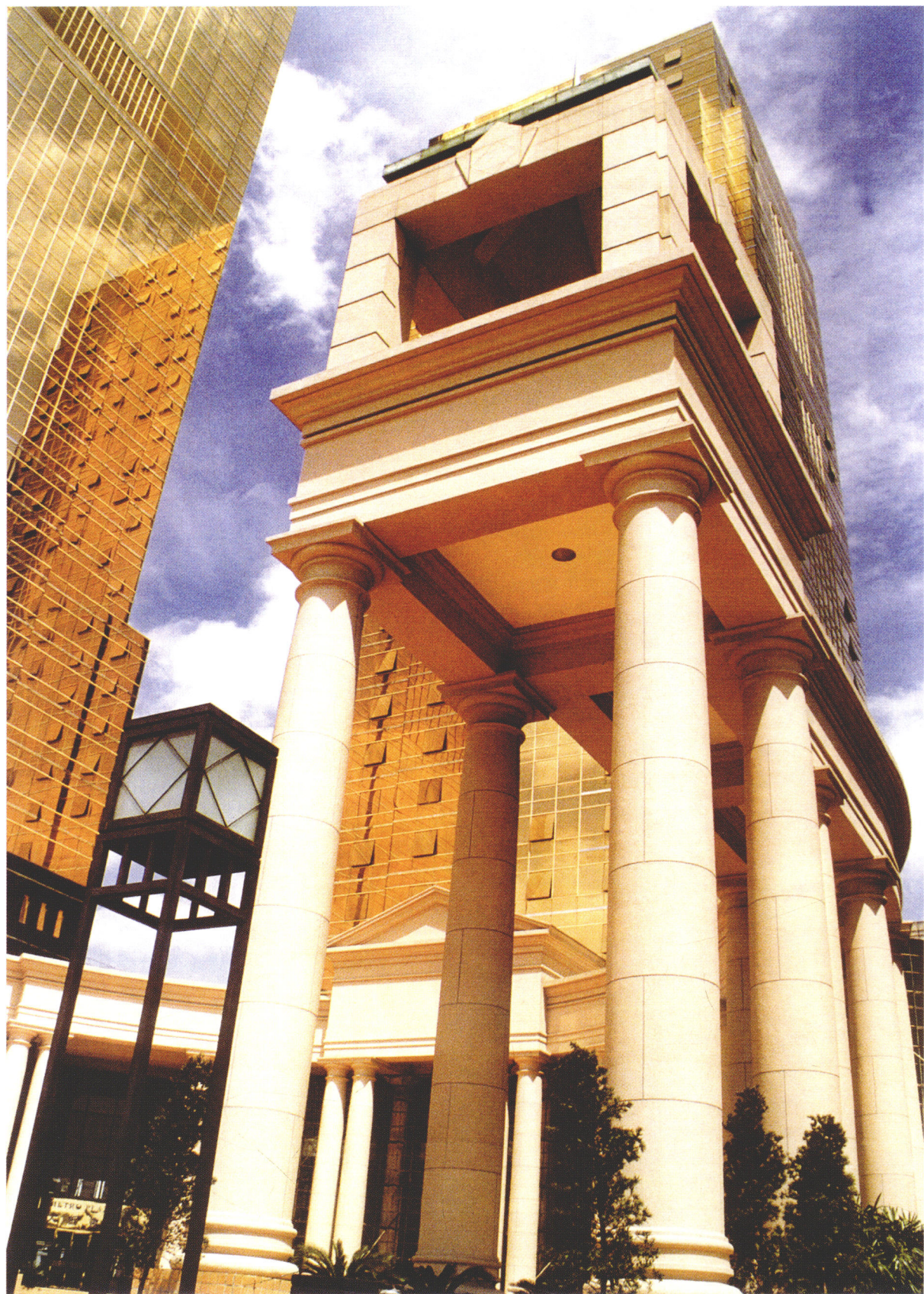
总平面 General plan



首层平面图 First floor plan



外景 The outer view



广场柱廊 The colonnade at the plaza

惠州行政中心办公楼

The Conceptual Design of the Office Building of Huizhou Administration Center

地点: 广东 惠州 Location: Huizhou, Guangdong

时间: 1992/1996 Design/Completion: 1992/1996

建筑面积: 80,000m² Building area: 80,000m²

获奖情况: 获1998年教育部优秀工程设计二等奖。

获1998年建设部优秀工程设计三等奖。

Result: The winner of the Second Prize for Outstanding Engineering Designs of 1998 by Ministry of Education
The winner of the Third Prize for Outstanding Engineering Designs of 1998 by Ministry of Construction of P.R.China

惠州市行政中心位于惠州市新城区, 基地前高后低, 建筑群布置在丘陵高地, 使之具有良好的纵深景观。平面呈品字形布局。建筑群前部由一半圆形仿古典石柱廊围成广场, 整体造型严谨对称, 庄重典雅。即富有古典的韵味, 又有强烈的时代感。建筑群体组合错落有致, 空间转换自然流畅, 大小庭院组合富于变化, 建筑细部处理细腻丰富, 恰如其分地表达政府办公楼的形象了。

Huizhou Administration Center is located in the new urban area of Huizhou. The building lot has a higher front and a lower back. The architectural complex is arranged on the highland to enjoy a good sight in depth. The plan is of an arrowhead layout. The front of the complex is a square formed with a semi-cycle ancient style stone column corridor, the whole modeling of which is precisely symmetrical and solemnly elegant with both classicism and a strong sense of era. The layout of the complex is well arranged with natural transitions and changes of spaces, change-ful combinations of courts of various sizes and the exquisite and rich detail treatment, which appropriately reflects the image of a government office building.

