





华 南 理 工 大 学 建 筑 学 术 丛 书

Architectural Academic Series of South China University of Technology

建筑学系校友设计作品集

Collected Design Works of Schoolfellows

of

Department of Architecture

华南理工大学建筑学术丛书编辑委员会

中国建筑工业出版社

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## 华南理工大学建筑学术丛书

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## 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，在卓有成效地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 70<sup>th</sup> 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*

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## 广东省建筑设计研究院

The Architectural Design & Research

Institute of Guangdong Province

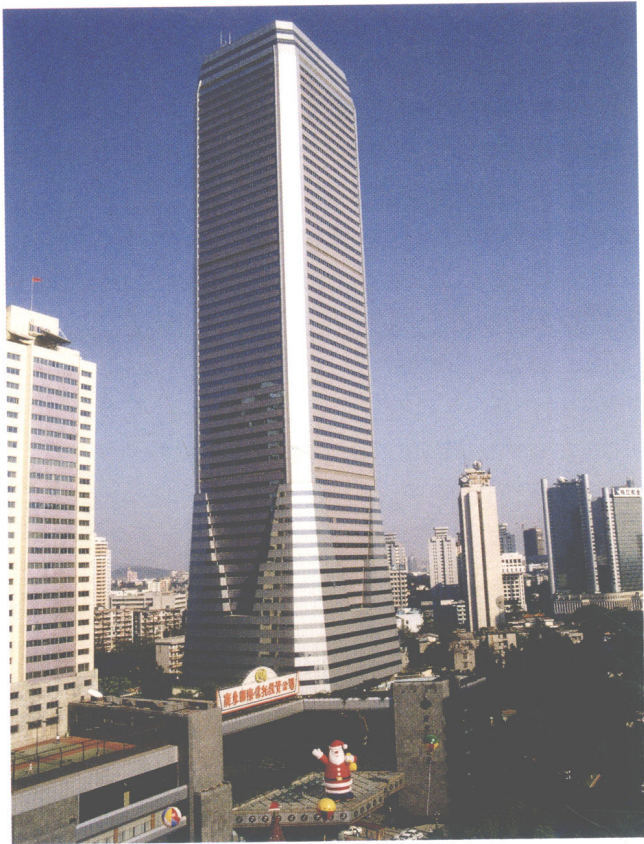
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# 广东国际大厦 63 层

设计单位：广东省建筑设计研究院  
地 点：广州  
设计时间：1990 年

本项目获得 2000 年首届中国土木工程（詹天佑）大奖，1994 年获全国优秀设计金质奖，1993 年获建设部优秀设计一等奖，1993 年获广东省优秀设计一等奖。主塔楼结构设计与施工获 1990 年建设部科技进步二等奖，1992 年全国科技进步二等奖。

广东国际大厦占地 19,540m<sup>2</sup>，总建筑面积 178,000m<sup>2</sup>，是由一幢 63 层主楼、两幢 30 多层楼与五层裙楼组成的，总高 200.18m。主楼为塔式筒中筒钢筋混凝土结构，内外筒之间的楼板采用无粘结预应力平板结构。



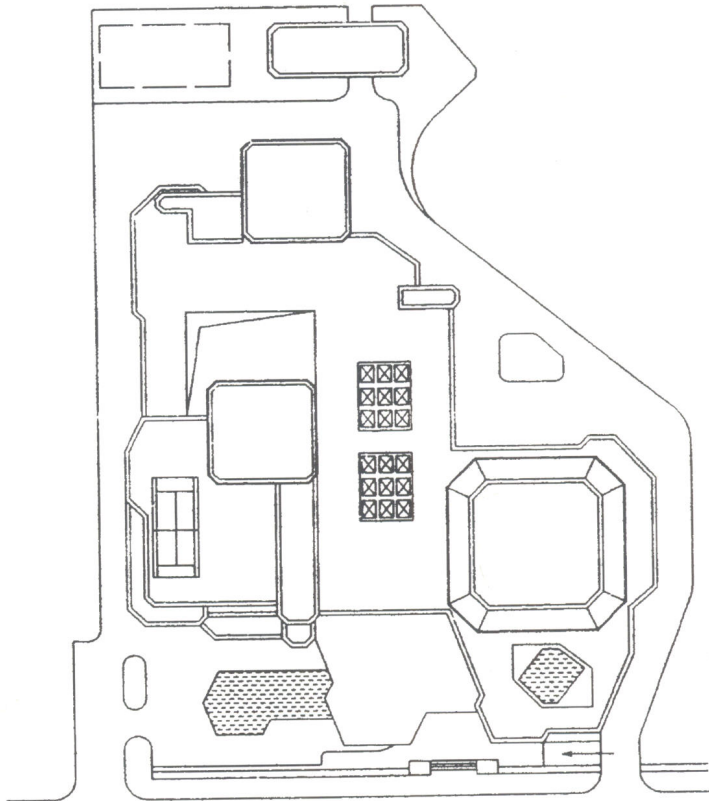
远景透视

# The 63-story Guangdong International Hotel

Designer: The Architectural Design & Research Institute of Guangdong Province  
Location: Guangzhou  
Design: 1990

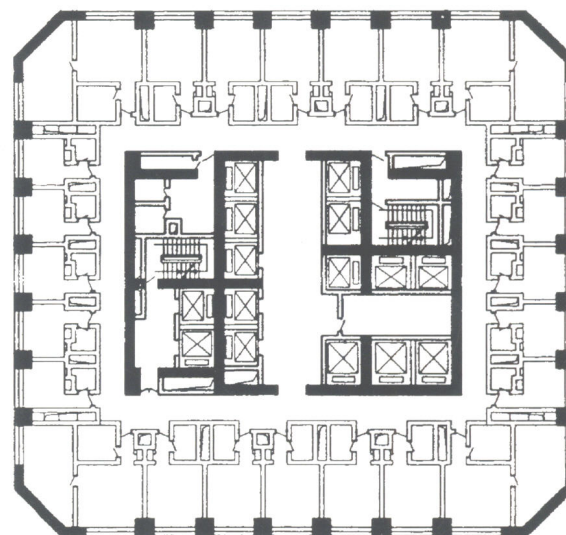
The winner of the First Reward of China's First Civil Engineering (Zhan Tianyou) Award, 2000. The winner of the Gold Award for the 1994 National Outstanding Engineering Designs. The winner of the First Prize for Outstanding Engineering Designs of 1993 by Ministry of Construction of P. R. China. The winner of the First Prize for the 1993 Guangdong's Outstanding Engineering Designs. The structural design and construction of the main building won the Second Prize of 1990 Scientific and Technological Progresses Award by Ministry of Construction of P. R. China and the Second Prize of the 1992 National Scientific and Technological Progress Award.

Guangdong International Hotel, its building lot area being 19,540m<sup>2</sup> and the general building area 178,000m<sup>2</sup> is a finance-centered multi-functional architectural group composed of a 63-story main building, two over 30-story attached buildings and a five-story annex. The overall height is 200.18 meters. The main building has a tower type tube in tube reinforced concrete structure. The floor slabs between the exterior tube and the interior tube are of one-piece casting reinforced slabs structure.

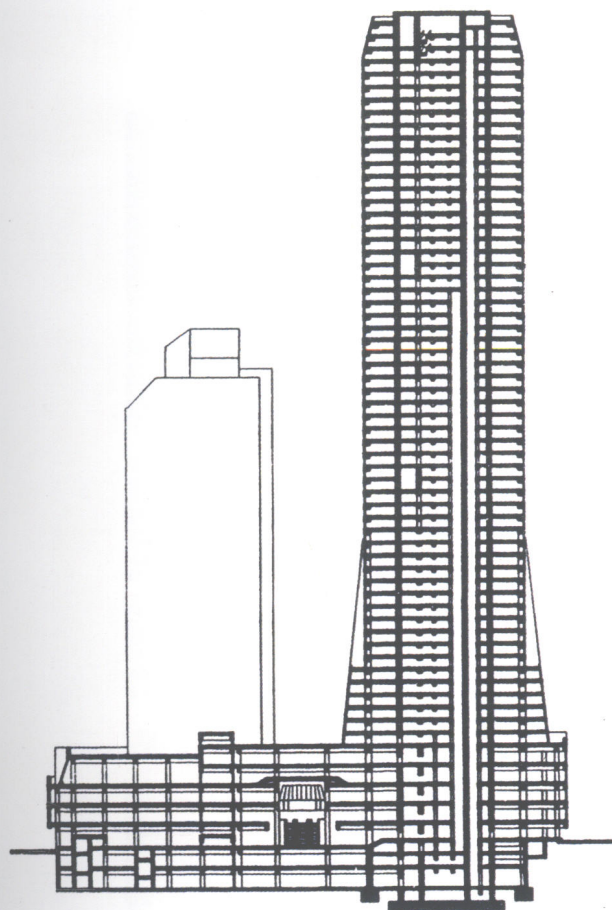


总平面





标准层平面



剖立面



大厦内庭



## 北京大学理科教学楼群

设计单位：广东省建筑设计研究院

地点：北京

设计时间：1989

该工程获“北京市迎接建国50周年重大工程建设领导小组颁发贡献奖”。获北京建委颁发“1998年度优质结构工程奖”。建设部“2000年中国建筑工程鲁班奖”。2001年获“广东省优秀工程设计一等奖”。2001年获“建设部优秀工程设计二等奖”。

教学楼群座落在著名的北京大学校园内，占地面积9ha，建筑面积114,000m<sup>2</sup>。教学楼采用四合院式加外伸风车形跌级处理的建筑布局，形成许多不同功能类型，不同大小的建筑空间，为师生提供更多的交流场所。

## Science Teaching Building Group of Beijing University

Designer: The Architectural Design & Research Institute of Guangdong Province

Location: Beijing

Design: 1989

The winner of “ontribution Award by the Leading Group of the Important Engineering Construction to Meet the 50 Anniversary of the Establishment of the Country”. The winner of the 1998 High Quality Structural Engineering Award by Beijing Construction Committee. The winner of the 2000 China's Architectural Engineering Lu Ban Award by Ministry of Construction of P. R. China. The winner of the First Prize for Guangdong's Outstanding Engineering Designs of 2001. The winner of the Second Prize for Outstanding Engineering Designs of 2001 by Ministry of Construction of P. R. China.

The teaching building group lies in the campus of well-known Beijing University with a building lot of 9 hectares and a building area of 114,000m<sup>2</sup>. The architectural composition of the teaching building is of a quadrangle house style with an overhanging windmill fall, so as to form many architectural spaces of various sizes and for various functions to provide the teachers and students with more intercommunion spaces.



外观透视

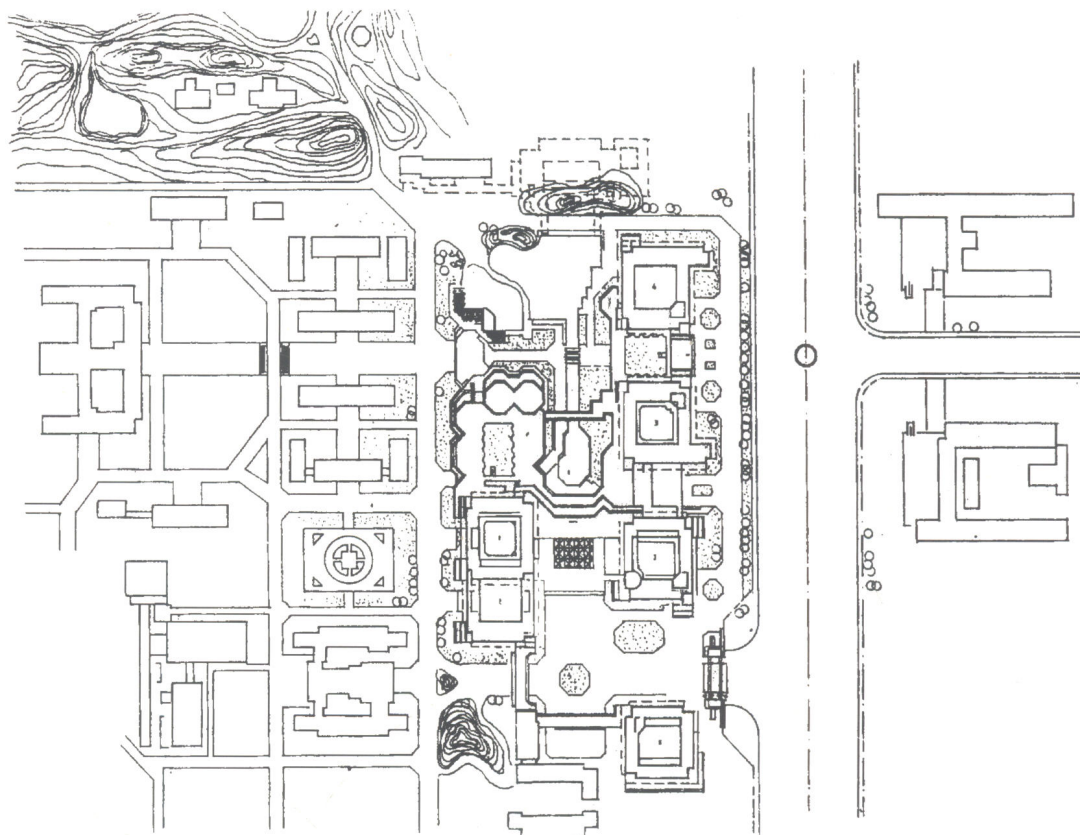




鸟瞰一



鸟瞰二



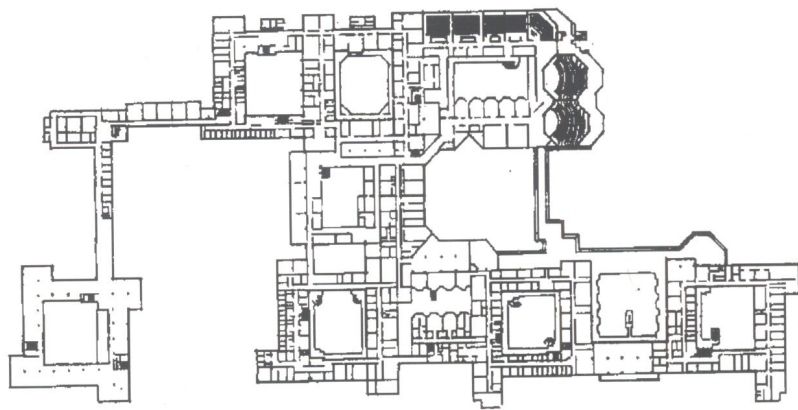
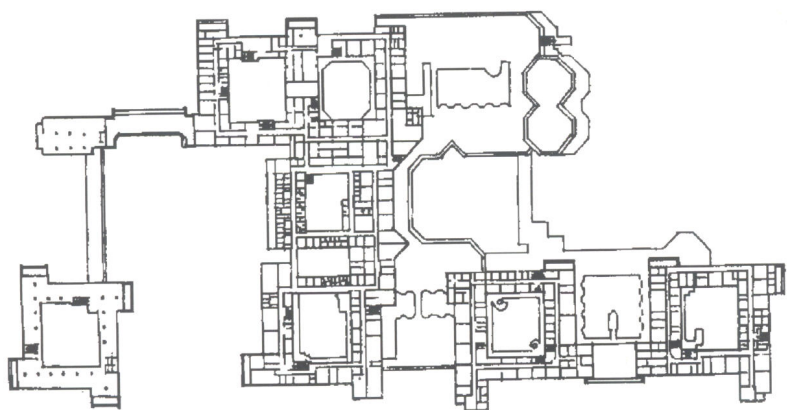
总平面



外观透视一



大厅透视



教学楼群平面

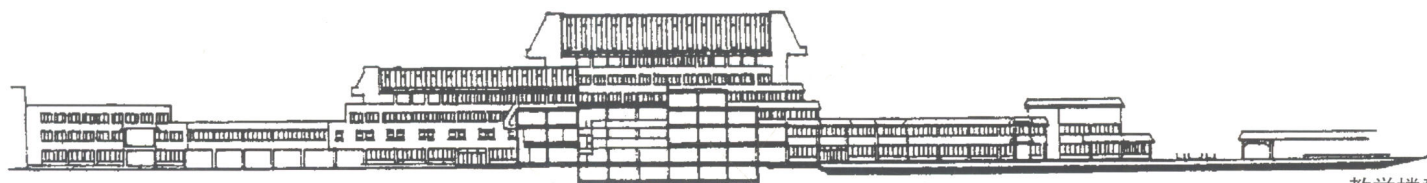
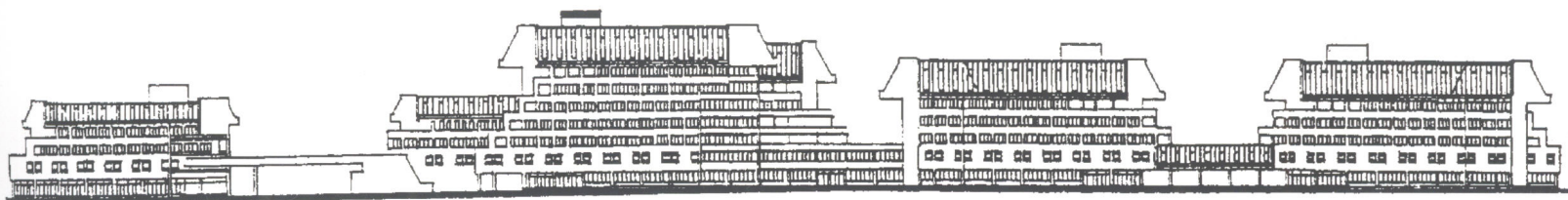




外观透视二



多功能厅



教学楼群立面

# 广州国际科技贸易展览交流中心

设计单位：广东省建筑设计研究院

地点：广州

设计时间：1986 年

1988 年获广东省优秀设计一等奖。1989 年获建设部优秀设计二等奖。

该工程总建筑面积 40,000m<sup>2</sup>，楼高 6 层。办公楼正面嵌以镜面玻璃幕墙，酒店客房楼为折形平面和水平线条外墙，展览馆的圆形休息厅直径 16m，采用顶部采光，外观是一个巨大的圆柱体。

# Guangzhou International Scientific and Technological and Trading Exhibition and Communication Center

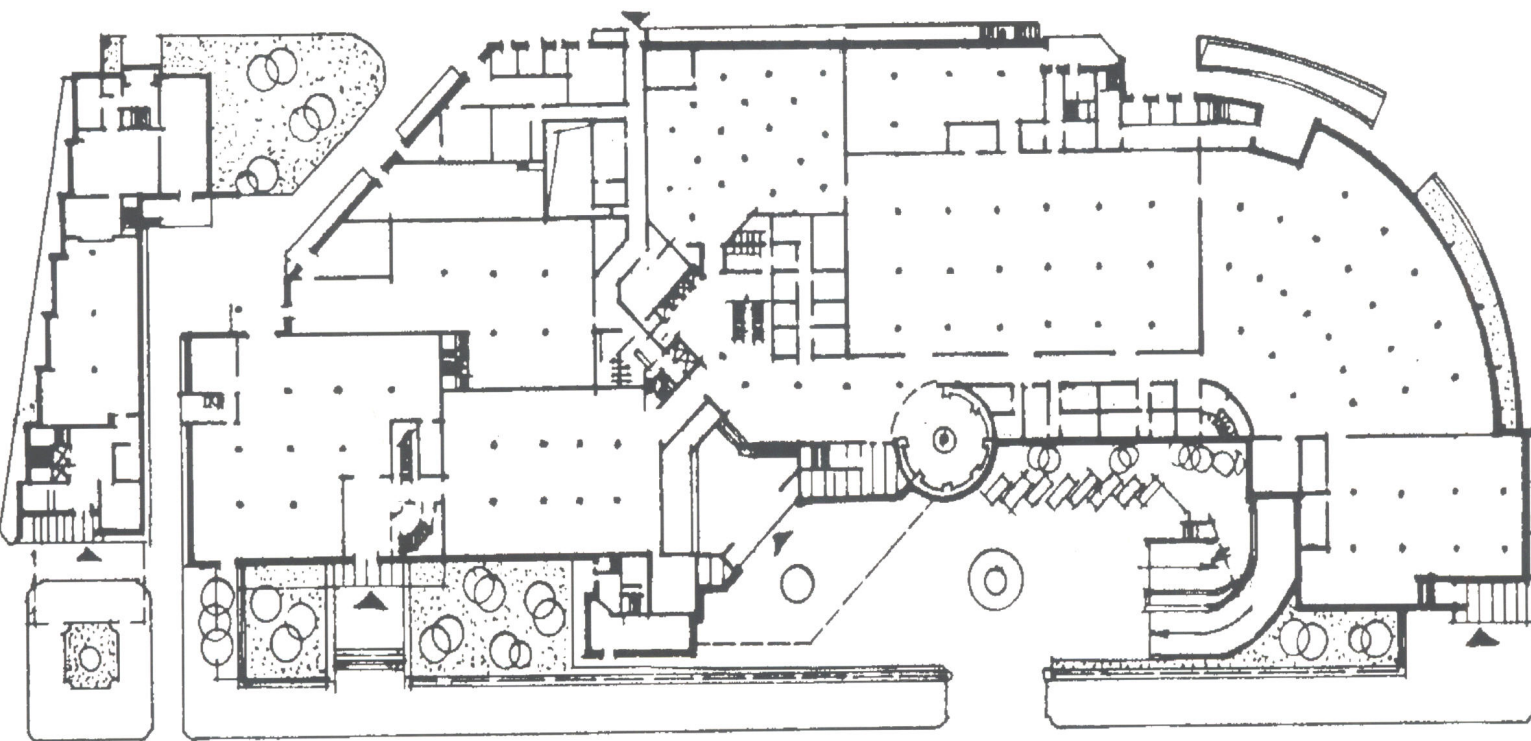
Designer: The Architectural Design & Research Institute of Guangdong Province

Location: Guangzhou

Design: 1986

The winner of the First Prize for Guangdong's Outstanding Engineering Designs of 1988. The winner of the Second Prize for Outstanding Engineering Designs of 1989 by Ministry of Construction of P. R. China.

The general building area of this project is over 40,000m<sup>2</sup> and the building is of six stories. The facade of the office is covered with glazing glass curtain wall; the guestroom building of the hotel is a broken tabular surface with the exterior walls decorated with level lines; and the circular lounge hall is 16m in diameter with top light and the out is a gigantic cylinder.



交流中心首层平面





中央酒店室内一角



交流中心外观