

现代建筑设计集团丛书

优秀建筑设计方案 图集

上海建筑设计研究院有限公司

陈华宁

编著

上海科学技术出版社

优秀建筑设计方案图集

Selection of Excellent Architectural Design Schemes

陈华宁 编著

Written by Chen Huaning

上海科学技术出版社

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Foreword

During the bright Spring Festival of this Chinese Horse Year, I was so delighted to read this collection, which was a great achievement made by the promising young architects under the leadership of Mr Chen Huaning, the senior chief architect in our institute in recent years. Like a large group of horses galloping ahead, they have worked so hard in union with a pioneering spirit and creative wisdom.

As is known to all that the work of architectural design is blended with hardness and happiness in the pursuit of perfection.

What's more, architectural design is a process in which the architects experience the continuous clashes between "elaboration and delicacy" and "fickleness and flauntiness", and they need constantly to make decisions between discarding and selecting.

Architectural design is more the repeated deepening of theory and practice and the constant tempering in the course of success and failure.

These architects involved extensively in both the international and domestic design competitions, each of which was not only an excellent practicing opportunity but also the precious creative accumulation and the hard-won chance to broaden their vision. I should say that the rewarding amounts more than the result of winning the bid itself!

The publication of this collection is of course a valuable conclusion of a design creation, which provides vast majority of architects with opportunities to communicate and consult with each other.

Wei Dunshan

Member of Chinese Academy of Engineering

Master in China Architecture

Consulting Chief Architect of Shanghai Xian Dai Architectural Design (Group) Co. Ltd.

Spring Festival in 2002



陈华宁

1941年3月出生

1963年9月毕业于原重庆建筑大学建筑系本科,同年进入上海市民用建筑设计院(今上海现代建筑设计(集团)有限公司下属上海建筑设计研究院有限公司)工作至今

现任

上海现代建筑设计(集团)有限公司副总建筑师

上海建筑设计研究院有限公司资深总建筑师

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上海市建设系统专业技术学科带头人

上海市建委科学技术委员会委员

上海市浦东新区城市建设科技委员会委员

上海市注册咨询专家

上海市人居环境研究会副秘书长

前言

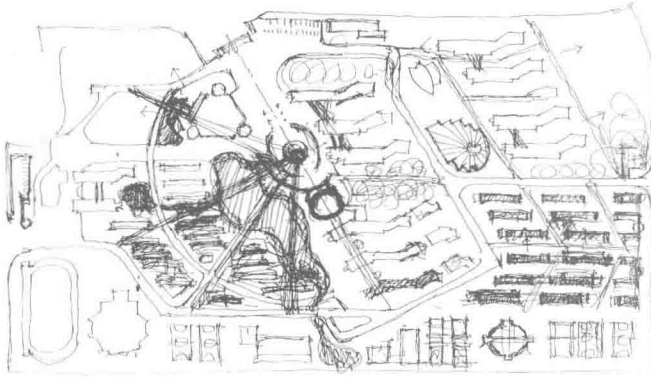
这本书是近年来的工作小结,收集了所做并参加全国各地各种竞赛的方案三十余个(其中大部分是在国际国内设计竞赛中获奖或中标的作品)。其目的是通过整理归纳进行一次再学习、再提高,同时也是为了保存一批资料,使其能发挥更大、更广的作用。先圣孔子说:“学而时习之,不亦悦乎?”能不断地学习,不断地总结,不断地提高,这是人生的最大快乐和满足,也是对社会最大的贡献。如果我们每一个人都能敬业爱业,那我们的国家一定会发展得更快更好。

这本图集的内容,很大部分是关于住宅设计和居住区规划方面的。这是因为近几年来我在这方面搞得比较多一些的缘故。我们国家的住宅设计近几年发展得特别快,这反映了自从住宅市场化、商品化以后,人民对这方面的要求正在迅速地提高。他们不仅要求面积的扩大,更要求功能的合理,环境的舒适,各种物理性能的优化。现在生态住宅、智能住宅叫得震天响,这就促使我们的建筑师不得不认真地去研究这些东西,不断提高设计质量。最近参加全国建筑学会年会活动,听到一个新的概念:“精密设计”。以往只知道数学有精密计算,机器有精密机床,却未想到设计也会戴上“精密”的帽子,特别是建筑设计。我们整天脑子里关于度量的概念都是米、平方米、公顷、吨,都是五大三粗的东西。造房子都是大尺度、大手脚,不是上车床车零件,更不是上绣架绣花,怎可能那么细?然而目前的现实已向我们提出:住宅设计(也应该是各种建筑设计)就是应该细,应该仔细研究平面的功能,立面的处理,环境的美化。把这些工作细致到每一厘米,

每一个细部,这恐怕才是“精密设计”的精髓,也是我们的住宅设计百尺竿头更进一步的正确方向。而不是那些广告宣传上铺天盖地的什么“洋”、“奇”、“怪”的东西。总之,我的小结,或者说花费这么多精力来编辑出版这本图集的目的,只是希望能促进我们在设计工作中更进一步。当然绝不是说这本图集就是水平非常之高,我只不过是在抛砖引玉,扩大交流,吸引更多的人来关注方案设计,提高方案设计的质量。因为方案设计是每一项工程的开始,是整个设计的基础,是“精密设计”中最重要的一部分。抓住了这个关键节点,也就是抓住了龙头,目的仅此而已。

最后,我还是要说一说发挥集体智慧的重要性。这许多方案其实都是集体劳动的成果,都是老中青三结合的成果。这本图集集中的每一个项目首页,我都尽可能完整地记录了每一个参加者的姓名。因为我还清楚地记得大家在接受任务后现场踏勘地形,冒着严寒酷暑,跋山涉水的艰辛;清楚地记得为构思方案,冥思苦想,夜不能寐的辗转反侧;清楚地记得为阐明某一个观点,人人各执己见,争论不休,脸红脖子粗的“壮丽”景观;更清楚地记得方案一旦中标,捷报传来,大家欢呼雀跃,老少不分的热闹场面。总之,还是我在已出版的那本论文集中说的那句话:“建筑设计是项集体的艺术、技术创作,只有在举杯共庆的时候,你才能真正感受到成功的喜悦!”在这里我要特别感谢每一个方案的共同创作者们,这是我们集体的力量,集体智慧的结晶!

陈华宁



Resume

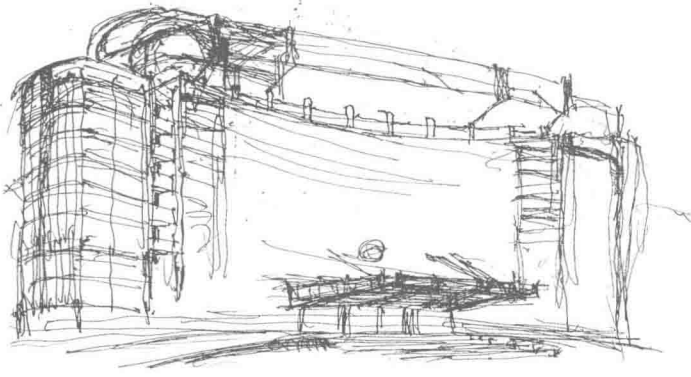
Born in March 1941, I graduated from the Architectural Department of Chong Qing Architectural University in September 1963 and entered the Shanghai Municipal Institute of Civil Architectural Design (the former name is Shanghai Planning Architectural Design Institute and the present name is Shanghai Institute of Architectural Design & Research attached to Shanghai Xian Dai Architectural Design (Group) Co., Ltd.) at the same year. I have worked in the Institute up to now.

Present Position:

Deputy Chief Architect of SXAD
Senior Chief Architect of SIADR
Class 1 National Registered Architect
Senior Architect (professor)
Certificate of Governmental Special Premium

Past & Present Social Concurrent Position:

Leader of Professional Subject in Shanghai Construction System
Member of Scientific & Technological Committee of Shanghai Construction Commission
Member of Urban Construction Scientific & Technological Committee in Shanghai Pudong New Area
Expert of Shanghai Registration Consultation
Vice Secretary-general of Shanghai Residential Environmental Research Society



Preface

This book collection is a brief summary of the work in recent years, gleaning more than 30 design schemes of various national competitions, most of which are the winner's productions or the winning projects both at home and abroad. The aim of writing this book is to learn and improve more through the process of sorting and conclusion while conserving a set of useful materials so that they can exert a stronger and broader influence in future. The ancient philosopher Confucius once said, "It is such a delight that we can always make new improvement and breakthroughs by learning and reviewing from time to time." It is to the greatest happiness and self-gratification of one's life that one can acquire new knowledge and make conclusions constantly, which will inevitably lead to self-improvement in one's future work as well as make great contributions to the society he belongs to. If every one places great value and love on his profession, it will be no wonder that our nation will surely develop more rapidly and show great promise gradually.

The content of this atlas is mainly about housing design and residential quarters planning for I have been involved in the realization of many buildings of such kind in the past several years. Recently, housing design has been developed rapidly in our country, which reflects the reality that the requirement and demand of people in this aspect have increased greatly since the general adoption of the market principle and commercialization. People not only call for the enlargement of the living areas but also put great emphasis on the rational functionalities, comfortable environment and the optimization of diverse physical features. Nowadays, Ecological residence and intelligent buildings are quite hot and popular, propelling our architects to carry out careful study on them and to improve the design quality unceasingly. I heard about a new concept "Precise Design" at the annual meeting of the National Architecture Academy recently. Generally, we know precise calculation in maths, precise machines, but never learn anything about "Precise Design", especially in architectural design. The measurements that we usually bear in our mind are always

Chen Huaning

designers of every project for their collective efforts that have made such accomplishments a reality. until the very time of celebration!" Here I would like to express my special gratitude to all the talents and also a technical and artistic invention. And you will never truly have the taste of success have written in that published thesis "Architectural design is an art of collaboration efforts and diverse rapt with joy after learning about the good news of winning the bid. In fine, I want to refer to what I might even forgetting the lapse of time when it was pressing for us to issue the drawings; and we were design conception; we held heated arguments to speak our own mind; we worked overtime day and sites after accepting the mission; we pondered over and over and tossed about only for an excellent harness of the environment and various hardships of the journeys to explore the topography on the participants. Because I can still clearly remember those days in which we overcame the asperity and the first page of each project in this collection, I tried my best to put down the names of all the collection, in fact, are the products of collaboration talents and efforts of both the old and the young. On Finally, I would like to mention the significance of collective wisdom. Many design schemes in this purpose of mine.

"Precise Design". Therefore, to seize this key point, that is to hold the leading position, is the only the beginning of each project, the foundation of the whole design, and the most important constituent of their eyes on conceptual design, and most importantly to improve the quality of them. Conceptual design is more brilliant works, to facilitate communications and exchanges of skills, to attract more people to keep collection is of a very high-grade. However, I do hope to display a new prospect in the design for eliciting promote our architects to strive for a higher level in our design work. Of course, I don't mean that this my summary or to say the purpose of issuing this collection with great efforts is out of my hopes to development in residential design. Probably I am going too far away from my topic, and now in conclusion, detail. Maybe this is the essence of "Precise Design" and the accurate direction of our further designing bizarre things boastfully advocated in daily advertisements, we should design our works to every plans, the treatment of the architectural facade and the beautification of the surrounding areas. Instead of architectural design) should be precise. That is, we should take careful investigation of the functions of chasing or embroidery. However, we are now facing the reality that housing design (and of course various measurements used in the construction of buildings are always large dimensions, unlike those used in meters, square meters, hectares, tons, etc., which seem to be irrelevant to the word "precise". The

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一、形态设计及居住区规划



都市的“港湾” 绿色的“里弄”

上海新江湾城示范居住区

用地面积：315 万 m^2

建筑总面积：310 万 m^2

建造地点：上海市杨浦区

设计时间：1997 年 3 月

获奖情况：国际设计竞赛第一名，中标

主要设计人员：陈华宁、舒秀珍、陆坚、刘晓平、
刘浩江、姜维哲、童颖、陆敏芝

为加快上海北翼城市建设,改善市民的居住条件和生活环境,上海市人民政府决定对江湾机场原地的 600 hm^2 土地置换后进行综合开发。按照市委、市府提出的要求,新江湾城作为上海跨世纪四大示范居住区之一,将建设成为一个人文与自然谐调共存的生态环境型居住区,生产与生活综合开发的经济文化型居住区,物质享受与精神满足相结合的祥和社区和交通便捷型居住区,并成为北部市级副中心组成部分。其中一期所建住宅为面向 21 世纪的安居房、平价房、市政动迁用房,以及商品房,满足社会不同层次的需要。

新江湾城位于上海中心城东北部,原江湾机场内,距市中心人民广场约 10 km (现国江路)。该地区西起逸仙路国权北路,北抵军工路,东靠闸殷路,与中原大型居住区为邻,南至政立路。江湾—五角场副中心,占地总面积约为 8.2 km^2 ,其中新江湾示范居住区(一期)开发范围约为 3.15 km^2 ,分为 A、B、C、F 四块居住小区。设计内容包括总体方案及住宅单体方案。基地内东西向沿纬九路有一条高架轻轨;南北向沿经十路有地铁通过,并有一条地铁车辆段经过 F 区,因此交通便捷。

通过认识方面的探讨,结合“中国城市小康住宅通用体系(WHOS)设计通则”及“上海市开发建设示范居住住宅实施纲要”,针对新江湾城示范居住区(一期)总



模型图



传统的里弄

体方案,我们提出几点指导性主题:

都市的港湾——都市居住的乐趣

都市生活越来越紧张,工作压力越来越大,每天清晨人流从四面八方拥向工作社区,傍晚人流又从工作社区分散回居住社区,恰如出航、归航的旅舟,因此新江湾城将营造成“都市的港湾”,它具有轻松、宁静、活泼、绿意盎然等新特色。

绿色的里弄——居住文化的创新

里弄是上海典型的“住”形式,也是一种生活方式,通过里弄住宅以及过街楼、大门等形成独特的、半封闭的交往空间。“里弄”满足了居民对“归属感”的需求,但一方面它是低层高密度建筑群,已不适应当代的上海;另一方面,里弄街坊缺乏“面”状的开放空间,不能适应今天的公共生活;另外,里弄街坊缺乏绿化空间。立足今天的生活方式及实际需要,吸取里弄街坊的优点,发展以多层院落为单元,