

ARCHITECTURAL
DESIGN AND RESEARCH
INSTITUTE
TSINGHUA UNIVERSITY

ADR

清华大学建筑设计研究院
设计作品集

江西科学技术出版社

图书在版编目 (CIP) 数据

清华大学建筑设计研究院设计作品集/清华大学建筑设计研究院编。-南昌:江西科学技术出版社,2002.7

I.清… II.清… 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 044677 号

图书策划 世建图书

责任编辑 刘 峰 贾东东

清华大学建筑设计研究院设计作品集

清华大学建筑设计研究院

出版	江西科学技术出版社
发行	
社址	南昌市新魏路 17 号
	邮编: 330002 电话: (0791)8513294 8513098
印刷	广州培基印刷镭射分色有限公司
经销	各地新华书店
开本	889mm × 1194mm 1/16
字数	300 千字
印张	16
版次	2002 年 8 月第 1 版 2002 年 8 月第 1 次印刷
书号	ISBN 7-5390-2139-X/TU · 142
定价	220.00 元

(赣科版图书凡属印装错误,可向出版社出版科或承印厂调换)

TJ206
2003415

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主编

世界建筑杂志社

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The Architectural Design and Research Institute of Tsinghua University was founded in 1958 and is an A-level national architectural design and research institute. There are more than 240 personnel of engineering designers in the institute; and among them, there are 56 national Grade-One registered architects and 55 Grade-One registered construction engineers. Senior professional technical personnel make up over 60 percent. The institute has a large number of high-quality professional talents, diverse disciplines, superior technical talents and thus enjoys high reputation and is well known at home and abroad. The Architectural Design and Research Institute of Tsinghua University is relying on the profound academic resources and resources of scientific research and teaching of Tsinghua University. And at the same time, it is the combination base of teaching, scientific research and practice of the School of Architecture and the School of Hydraulics and Civil Engineering of Tsinghua University. Its levels of academic research, the transformation of scientific results and levels of planning and design rank at the front in the country.

There are now four architectural engineering design sections, four workshops headed by members of national academy of sciences and national academy of engineering and national masters of designs, a creation workshop, a construction software room, a design institute of municipal works, a hydraulic and hydroelectric engineering design institute and a design institute of transport engineering in our institute. In the past forty years and more after the founding of our institute, it has mainly undertaken various kinds of public and civil architectural projects designs, urban designs, planning of residential areas and dwelling designs, the protection of ancient buildings and their restoration, scenic gardens, indoor designs and the early-stage feasible study and the study of architectural programming. Main projects designed by our institute and completed are as follows: Beijing Ju'er Hutong Residential Area, Library of Peking University, Library of Tsinghua University and Beijing Tianqiao Theater. These top-quality works have won very high appreciation from the society. In recent years a large amount of research work has been carried out on the design of ecological buildings in our institute. The building of the Design Center of Tsinghua University is a practice on the construction of a green office building. In addition, our institute has also won good results in domestic and international design competitions such as the design of the national theater and Beijing International Conference and Exhibition Sports Center. In the scientific research, we have independently developed the TUS engineering design software and it has passed the national appraisal. Entrusted by the National Management Commission of Registered Architects, our institute has completed editing the No. 3 textbook of the continuation education of national registered architects entitled Ecological Strategy of Architectural Design in cooperation with the School of Architecture.

In the past ten years, for the projects our institute has designed and that have been completed, more than 40 awards at national, provincial and ministerial levels have been attained, ranking at the front among A-level architectural design institutes in the country.

Networking is completely realized in our institute. There is an average of more than one computer per head in our institute. CAD is applied in the full process of design.

Our institute is actively developing international exchange and cooperation. We have good cooperation relationships with higher education institutes, research institutes, design units and clients in more than ten countries and regions including France, the USA, Japan, Germany, Australia and Hong Kong.

Our institute has won the quality system certifications of Chinese CNACR and British UDAS.

Today, when we are marching into a new century, the Architectural Design and Research Institute of Tsinghua University will continue to adhere to strict quality management, to its objective of struggling for "designing elaborately, creating excellent works, outdoing ourselves and constructing top-quality projects". We will sincerely and earnestly provide excellent designs and services for all walks of the society at home and in foreign countries.

President of the Architectural Design and Research Institute
Tsinghua University

Zhuang Weimin

前言

PREFACE

精心设计，超越自我

清华大学建筑设计研究院建于1958年，为国家甲级建筑设计院。现有工程设计人员240余人。其中国家一级注册建筑师56名，一级注册结构工程师55名，高级专业技术人员占60%以上，人才密集，专业齐全，人员素质高，技术力量雄厚，在国内外享有良好的声誉和知名度。清华大学建筑设计研究院依托于清华大学深厚广博的学术、科研和教学资源，并作为建筑学院、土水学院等院系的教学、科研和实践相结合的基地，其学术研究、科技成果转化和规划设计的水平在国内名列前茅。

清华大学建筑设计研究院现有四个建筑工程设计所、四个由国家科学院和工程院院士及国家设计大师领衔的工作室、创作工作室、工程软件室和市政工程设计所、水利水电工程设计所及交通工程设计所。设计院成立四十多年来，主要承担各类公共与民用建筑工程设计、城市设计、居住区规划与住宅设计、古建筑保护及复原、景观园林、室内设计及前期可行性研究和建筑策划研究。由我院设计并建成的“北京菊儿胡同居住区”、“北京大学图书馆”、“清华大学图书馆”、“北京天桥剧场”等一批精品之作获得了很高的社会评价。近年来我院在生态建筑的设计方面也作了大量的研究工作，清华大学设计中心楼就是绿色办公建筑的一次实践。我院在诸如“国家大剧院”、“北京国际会展体育中心”等一系列国内外设计竞赛中也取得了佳绩。在科研方面，我院自主研发了TUS工程设计软件，并通过了国家鉴定。我院还受全国注册建筑师管委会的委托，与建筑学院合作编纂完成了全国注册建筑师继续教育教材之三《建筑设计的生态策略》。

近十年来，由我院设计并建成的工程，已获得国家级、省部级优秀设计奖达40余项，在全国甲级设计院中位居前列。

我院已全部实现网络化，计算机装备超过人均一台，设计过程全部运用CAD。

我院积极发展国际间的交流与合作。目前与法国、美国、日本、德国、澳大利亚、香港等十几个国家和地区的高等学校、科研机构及设计单位和业主有着良好的合作关系。

我院已获得中国（CNACR）和英国（UDAS）质量体系认证书。

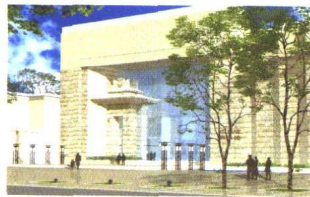
在跨入新世纪的今天，清华大学建筑设计研究院将继续坚持严格的质量管理，坚持“精心设计、创作精品、超越自我、创建一流”的奋斗目标，热诚地为国内外社会各界提供优质的设计和服务。

院长：庄惟敏



SPORTS & EXHIBITIONS

体育与展览建筑



清华大学综合体育中心

Sports Center of Tsinghua University

建设地点：北京

建筑面积：12 600m²

设计年代：1999

竣工时间：2001

建筑性质：体育设施

Location: Beijing

Total Floor Area: 12 600m²

Design: 1999

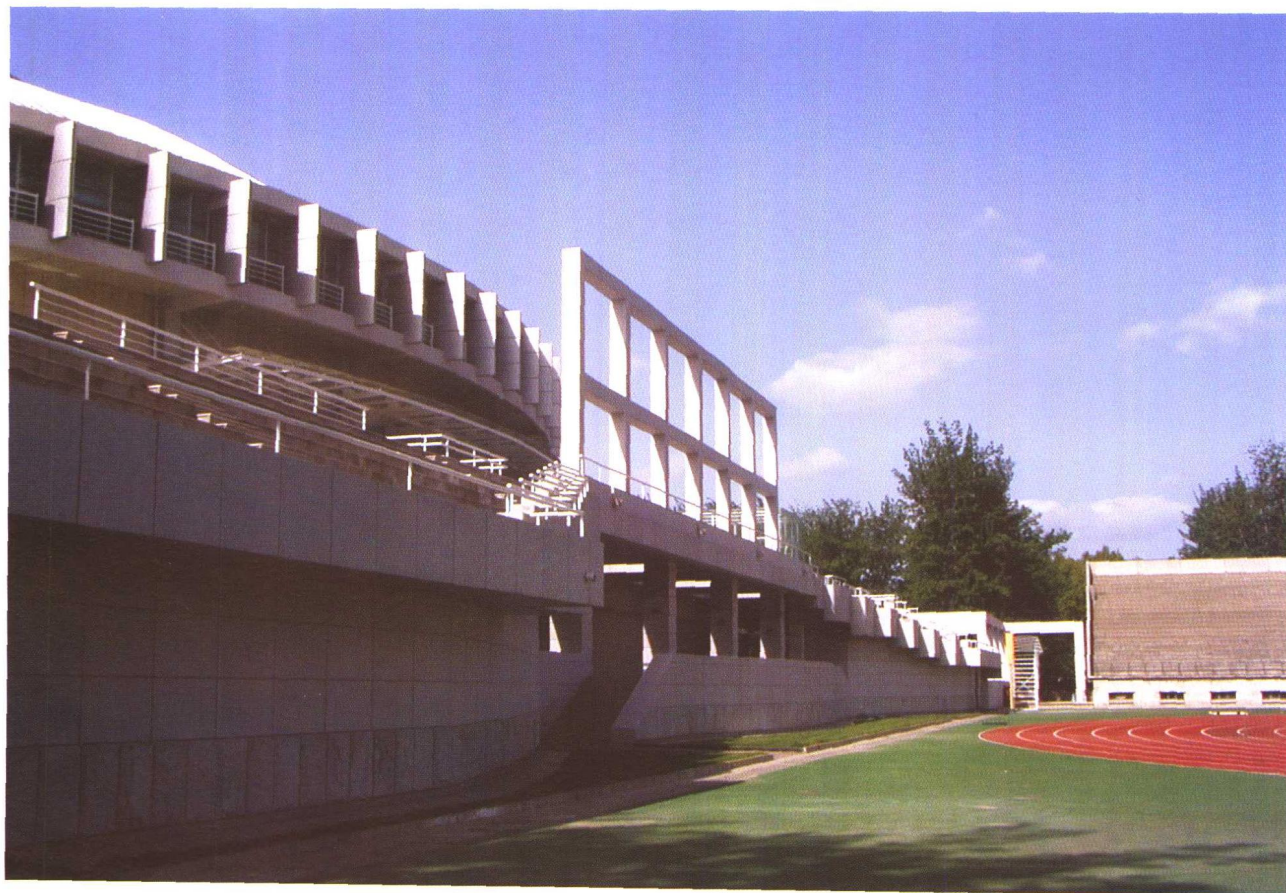
Completion: 2001

Function: Sports Facilities

本项目位于清华大学校园东区，沿主楼中轴线上，与东大操场围合成一个体育中心区。综合体育中心是一座集体育比赛、训练、教学、会议、演出为一体的综合性场馆，比赛场地最大55m × 35m。座席由固定座席和活动座席组成共达到5000座，设有主席台和裁判席，一层设有运动员训练房、贵宾室等辅助用房。比赛大厅结构上采用110m跨度钢筋混凝土大拱，悬挂轻型屋面，体现体育建筑的力量美。两拱之间为采光天窗，充分利用自然光线进行平时的训练及教学。

- 1、西入口
- 2、北入口
- 3、场馆鸟瞰





2



3

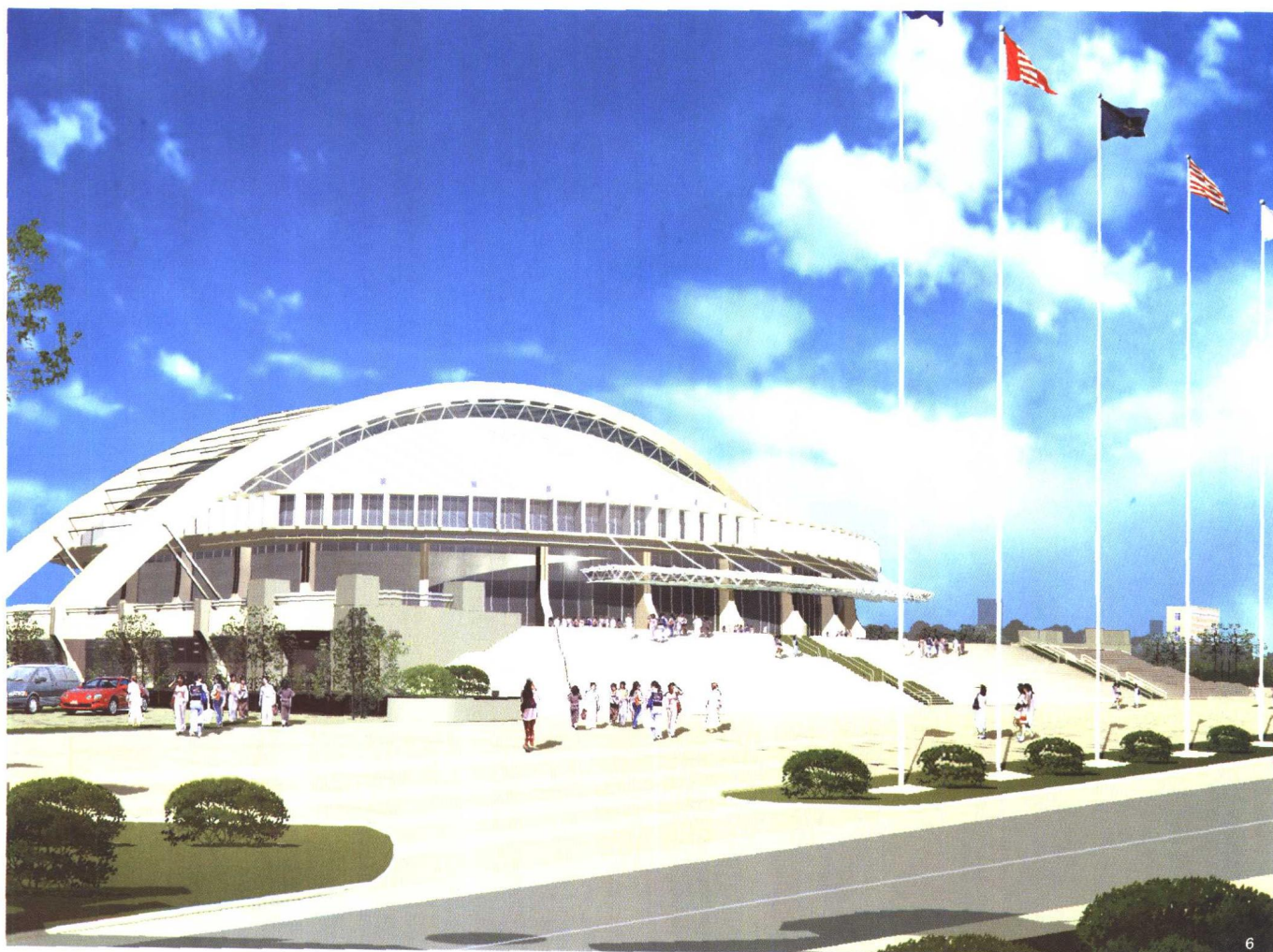


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- 4. 采光天窗
- 5. 南入口局部
- 6. 南入口
- 7. 南入口远眺
- 8. 拱下通道
- 9. 轻型屋面
- 10. 观众席



5



6



7



8



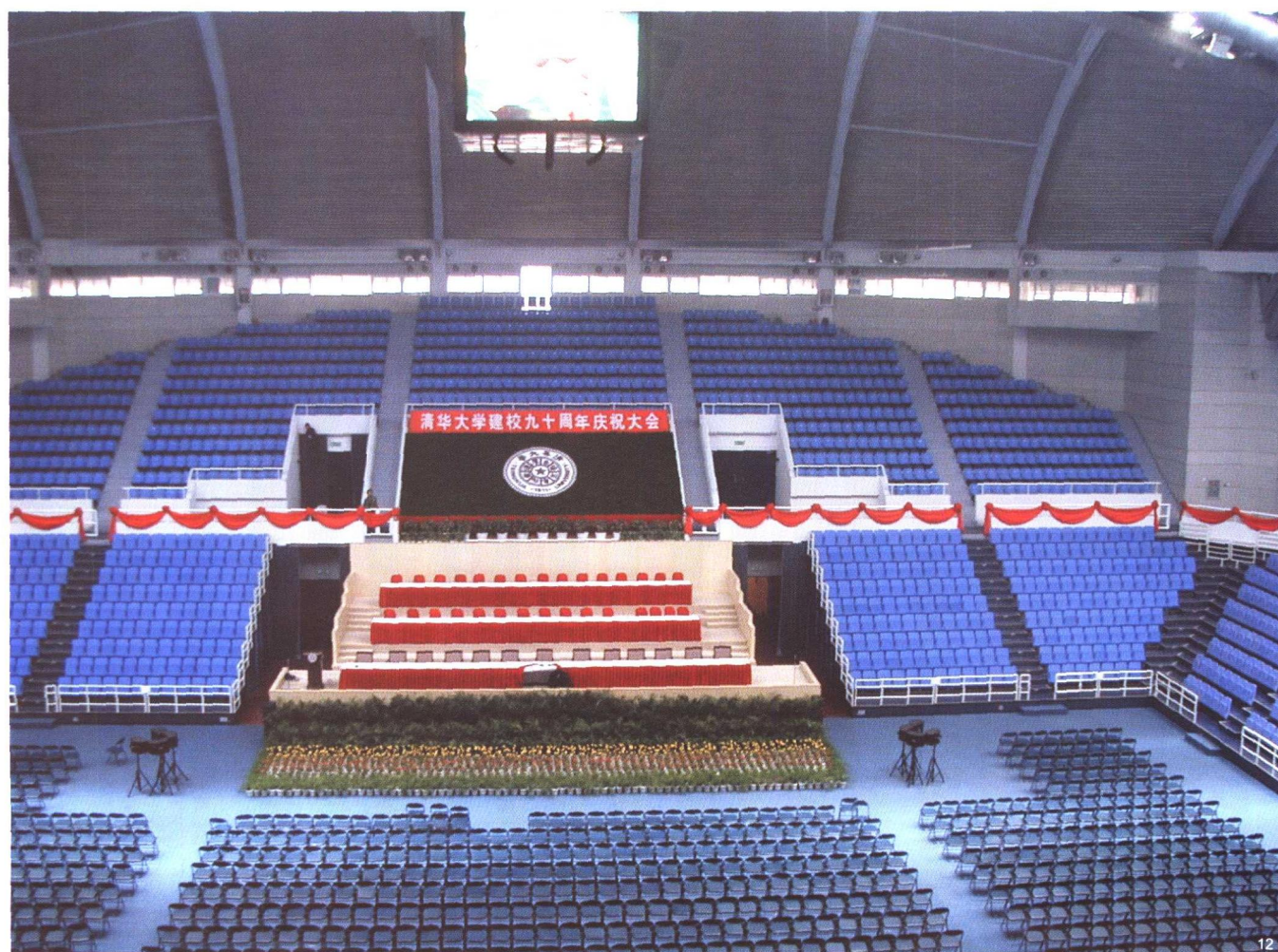
9



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11



12



13



14



15



16

- 11、比赛场地
- 12、主席台与观众席
- 13、休息厅
- 14、休息厅
- 15、休息厅
- 16、侧 厅
- 17、通 廊



17

清华大学游泳跳水馆

Gymnasium of Swimming and Diving of Tsinghua University

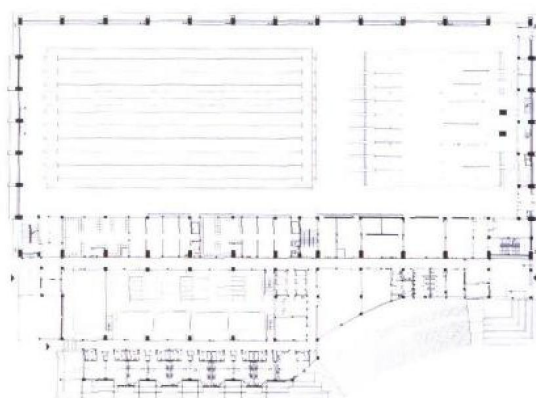
建设地点：北京
建筑面积：9 700m²
设计年代：1999
竣工时间：2001
建筑性质：体育设施

Location: Beijing
Total Floor Area: 9 700m²
Design: 1999
Completion: 2001
Function: Sports Facilities

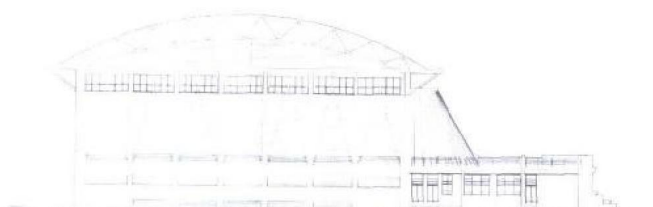
本项目位于清华大学校园东区，沿主楼中轴线北侧，与拟建的综合球类馆对称布局，和东大操场围合成校园东北部的体育场馆区。游泳跳水馆内设有50m × 25m标准游泳池、25m × 25m的跳水池，可进行10米跳台跳水比赛、训练及教学。比赛大厅可容纳800个座席，并设有运动员休息室、贵宾室、陆上训练等辅助房间。

2001年获教育部优秀建筑设计二等奖，北京市“十佳”建筑设计方案奖。

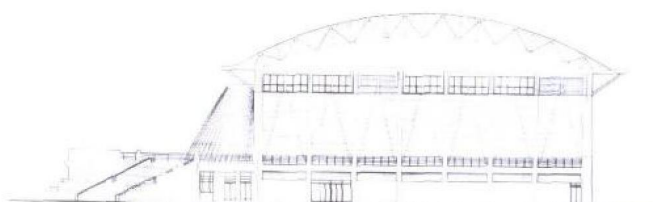
- 1、平面图
- 2、西立面
- 3、东立面
- 4、南立面远眺
- 5、点式玻璃幕墙局部
- 6、室内
- 7、南入口



1



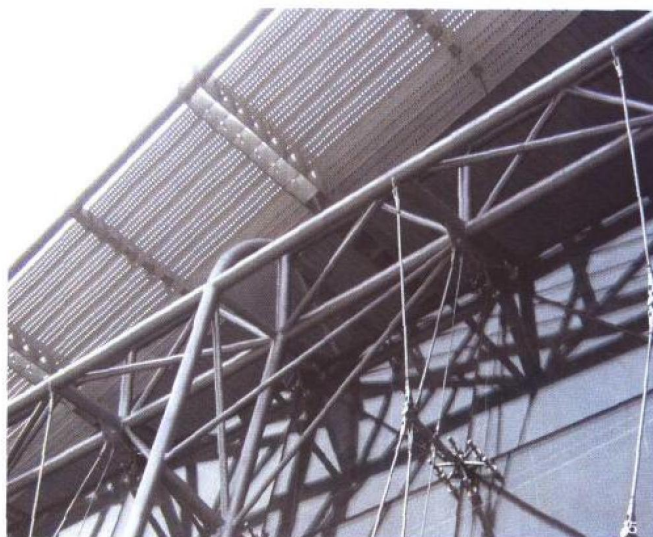
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