The Geometry of Creation

Architectural Drawing and the Dynamics of Gothic Design

ROBERT BORK

Contents

J J k

List of Figures		vii
Aci	knowledgements	xix
Introduction: Geometry and the Gothic Design Process		, 1
	Explaining the Roots of the Gothic Aesthetic	1
	Methodological Problems in the Study of Gothic Geometry	11
	Konrad Hecht's problematic critique of geometrical research	15
	A new Approach to the Geometry of Gothic Drawings	20
1	The Origins of Gothic Architectural Drawing	29
	Villard de Honnecourt	31
	The Reims Palimpsest -	42
2	The Flowering of Rayonnant Drawing in the Rhineland	55
	Strasbourg	62
	Cologne	97
	Freiburg	126
3	Italian Drawings up to 1350	167-
	Orvieto	169
	Siena	187
4	Germanic Tower Drawings and the Elaboration of Tradition	201
	Prague	201
	Vienna '	230
	Ulm >	285
	Rege'hsburg	305
	Frankfurt	320
	Strasbourg '	330
5	Wider Horizons ^	357
	Two Germanic Tabernacles	357
	Building Groundplans	370
	^v Augsburg	372
	Steyr	377
	The Cloisters Drawing	384
	Clermont-Ferrand	390
	Leuven	400

6	The Italian Challenge to the Gothic Design System	411
	The Design Debates at Milan Cathedral	412
	The Emergence of Classical Architecture in the Italian Renaissance	420
	Hermann Vischer and the Hybridization of Tradition	424
	How Renaissance Design Won the Communication War	428
Conclusion: Gothic Drawings as Traces of the Creative Process		43′
Bibli	iography	441
Inde.	x	453

A