CONTENTS

Con	ntributors	vii
For	reword by Edward Cullinan	ix
Pre	face by Max Fordham	xi
Ape	ologies and acknowledgments	xiii
Un	its and abbreviations	XV
Pa	rt One	1
1	Strategies MAX FORDHAM	3
2	Comfort, health and environmental physics BILL WATTS	7
3	Buildings and energy balances BILL WATTS AND RANDALL THOMAS	29
4	Building planning and design RANDALL THOMAS	37
5	Site planning RANDALL THOMAS	54
6	Materials and construction RANDALL THOMAS	67
7	Energy sources RAMIRO GODOY	81
8	Lighting RANDALL THOMAS	96
9	Engineering thermal comfort RANDALL THOMAS	110
10	Water, waste disposal and appliances MIKE ENTWISLE, RANDALL THOMAS AND ADAM RITCHIE	145
	Summary RANDALL THOMAS	153
Part Two		155
11	RMC International Headquarters BART STEVENS	157
12	Queens Building, De Montfort University EDITH BLENNERHASSETT	165
13	The Charles Cryer Studio Theatre	183

14	The Environmental Building, Building Research Establishment RANDALL THOMAS AND BART STEVENS	190
15	The Millennium Centre, Dagenham RANDALL THOMAS	211
16	The Bedales Theatre RANDALL THOMAS	217
17	Beaufort Court TAMSIN TWEDDELL	222
18	Heelis, Central Office for the National Trust GUY NEVILL	231
Appendices		239
A	Environmental data and the psychrometric chart RANDALL THOMAS	241
В	Calculation Procedures RANDALL THOMAS	249
С	Acoustics RANDALL THOMAS AND ANTHONY CHILTON	253
D	Photovoltaics RANDALL THOMAS AND LORNA MARKHAM	255
Illustration acknowledgements		262
Ind	ex	265

1