List of Figures

Chapter 1: List of Works		
Chapter 2:	Berlin, Germany, 1908-1933	23
Figure 2.1	Otto Koenigsberger as a child	24
Figure 2.2	Otto Koenigsberger's parents	24
Figure 2.3	Friedrichstrasse 40, Berlin Grünau	25
Figure 2.4	Otto Koenigsberger rowing on the River Dahme	25
Figure 2.5	Otto Koenigsberger apprenticing as a builder, 1927	26
Figure 2.6	Pages from Otto Koenigsberger's TH Berlin 'Belegbuch'	26
Figure 2.7	Hans Poelzig	27
Figure 2.8	Walter Andrae and a group of TH Berlin students	28
Figure 2.9	Student competition for a boat house (d.1928)	28
Figure 2.10	Zoological Garden (d.1931)	29
Figure 2.11	Zoological Garden (d.1931)	30
Figure 2.13	Zoological Garden (d.1931)	30
Figure 2.12	Zoological Garden (d.1931)	30
Figure 2.14	Urban Residential Estate (d.1929/1931)	31
Figure 2.15	Country House (d.1931)	31
Figure 2.16	Development Plan for Berlin-Wedding (d.1931)	32
Figure 2.17	Untitled Planning Project (d.1931)	33
Figure 2.18	Untitled Planning	
	Project (d.1931)	33
Figure 2.19	Summer House for the Maas Family (c.1928)	34
Figure 2.20	Extension to the Summer House (c.1930)	34
Figure 2.21	Small Country House near Berlin (c.1932*)	35
Figure 2.22	Low Cost Workers' Housing (d.1930)	36
Figure 2.23	Justice Building (d.1931*)	36
Figure 2.24	H ₂ O (d.1932)	37
Figure 2.25	Schinkel Prize (d.1933) site plan	38
Figure 2.26	Schinkel Prize (d.1933) accommodation block	38
Figure 2.27	Schinkel Prize (d.1933) communal area with dining hall	39
Figure 2.28	Schinkel Prize (d.1933) approach to the entrance	39
Chapter 3:	Egypt, (Britain), Switzerland, 1933-1939	40
Figure 3.1	Ludwig Borchardt	41
Figure 3.2	Koenigsberger at the Ludwig Borchardt Institute, 1933	42
Figure 3.3	Koenigsberger in the garden of the Institute, 1934	42
Figure 3.4	Herbert Ricke and Koenigsberger surveying, 1934	43
Figure 3.5	Koenigsberger surveying, 1934	43
Figure 3.6	Fieldwork notes and sketches	44
Figure 3.7	Illustration from Die Konstruktion der Ägyptischen Tür	45
Figure 3.8	Pages 120-121 from <i>The Restless Universe</i> by Max Born	45
Figure 3.9	The Waldsanatorium, Davos	46
Figure 3.10	St. Josephs Haus Sanatorium, Davos	46
Figure 3.11	Extension to the Egyptian Museum, overview plan (d.1937)	47
Figure 3.12	Extension to the Egyptian Museum, axonometric sketch (d.1937)	47
Figure 3.13	Charting the positions of stars and the axes of temples	48

Figure 3.14	The Lloyd ship the 'Gneisenau'	49
Figure 3.15	The Ludwig Borchardt Institute in Cairo, 1933	50
Figure 3.16	Boats on the Nile at the foot of the garden, 1933	50
Figure 3.17	Koenigsberger's Network, 1939	51
Figure 3.18	Koenigsberger's immediate network in Cairo, 1934	52
Chapter 4:	Bangalore, Mysore State, 1939-1941	53
Figure 4.1	Mysore State in India, 1935	54
Figure 4.2	Bangalore in 1800	55
Figure 4.3	Bangalore in 1915	56
Figure 4.4	Bangalore in 1920	57
Figure 4.5	Location of Koenigsberger's projects in Bangalore	58
Figure 4.6	Population growth in Bangalore 1881-1951	59
Figure 4.7	Mirza Ismail	60
Figure 4.8	Krishnaraja Wodeyar	60
Figure 4.9	Living space (sq. feet) per family in Bangalore	61
Figure 4.10	The Beautification of Bangalore	62
Figure 4.11	Koenigsberger's 1940 tour of Madras and North India	63
Figure 4.12	Images from Koenigsberger's report	64
Figure 4.13	Bangalore City Bus Terminus (c.1940)	65
Figure 4.14	Bangalore City Bus Terminus (c.1940)	65
Figure 4.15	Municipal Swimming Pool (c.1940)	66
Figure 4.16	Municipal Swimming Pool (c.1940)	66
Figure 4.17	Law Courts (d.1939)	67
Figure 4.18	Law Courts (d.1939)	67
Figure 4.19	Krishna Rao Pavilion (c.1941)	68
Figure 4.20	Krishna Rao Pavilion interior	68
Figure 4.21	Serum Institute (c.1941)	69
Figure 4.22	Serum Institute (c.1941)	69
Figure 4.23	Principal's Bungalow Maharani College (c.1941)	70
Figure 4.24	Principal's Bungalow Maharani College (c.1941)	70
Figure 4.25	Principal's Bungalow, 2012	71
Figure 4.26	Principal's Bungalow, 2012	71
Figure 4.27	Tiffin Mantap (c.1941)	72
Figure 4.28	Notes in Koenigberger's portfolio (1940)	72
Figure 4.29	Bathing Ghat (c.1941)	73
Figure 4.30	Bathing Ghat	73
Figure 4.31	Dispensary for Women and Children (c.1941)	74
Figure 4.32	Mysore Engineers' Association (c.1941)	74
Figure 4.33	Bhadravati Development Plan (d.1940)	75
Figure 4.34	Bhadravati Development Plan (d.1940)	75
Figure 4.35	University Settlement (c.1941)	76
Figure 4.36	University Settlement (c.1941)	76
Figure 4.37	Central College for Women, Nagpur (c.1942)	77
Figure 4.38	Central College for Women, Nagpur (c.1942)	77
Figure 4.39	Central College for Women, Nagpur (c.1942)	78
Figure 4.40	Central College for Women, Nagpur (c.1942)	78
Figure 4.41	42 Infantry Road, Bangalore, circa 1938	79
Figure 4.42	42 Infantry Road, Bangalore, circa 1938	79
Figure 4.43	Koenigsberger's Network, 1941	80
-	- · · · · · · · · · · · · · · · · · · ·	

Figure 4.44	Max Born, CV Raman and Mirza Ismail at the IISc in 1935	81
Figure 4.45	Homi Bhabha in the 1930s	81
Figure 4.46	Homi Bhabha and Max Born	82
Chapter E. I	Pangaloro Mysoro Stato 1941 1949	83
•	Bangalore, Mysore State, 1941-1948	
Figure 5.1	Maharaja Jayachamarajendra Wodeyar	84
Figure 5.2	Mysore Broadcasting House (c.1943)	85
Figure 5.3	Mysore Broadcasting House / All India Radio	85
Figure 5.4	A studio at All India Radio	86
Figure 5.5	Mysore Broadcasting House / All India Radio	86
Figure 5.6	Sri Jayachamarajendra Institute of Indian Medicine (c.1948)	87
Figure 5.7	Sri Jayachamarajendra Institute of Indian Medicine (c.1948)	87
Figure 5.8	Sri Jayachamarajendra Institute of Indian Medicine	88
Figure 5.9	Sri Jayachamarajendra Institute of Indian Medicine	88
Figure 5.10	Sri Jayachamarajendra Occupational Institute (c.1944)	89
Figure 5.11	Sri Jayachamarajendra Occupational Institute (c.1944)	89
Figure 5.12	Sri Jayachamarajendra Occupational Institute	90
Figure 5.13	Sri Jayachamarajendra Occupational Institute	90
Figure 5.14	Victory Hall, Bangalore (c.1947)	91
Figure 5.15	Victory Hall, now the Bal Bhavan	91
Figure 5.16	Section through the Victory Hall, Bangalore (c.1947)	92
Figure 5.17	Interior of the Bal Bhavan showing 'bow string girders'	92
Figure 5.18	Tuberculosis Sanatorium, Bangalore (c.1948)	93
Figure 5.19	Tuberculosis Sanatorium, Bangalore (c.1948)	93
Figure 5.20	Tuberculosis Sanatorium, Bangalore (c.1948)	93
Figure 5.21	Tuberculosis Sanatorium, Bangalore	94
Figure 5.22	Ashoka Pillar, Jayanagar, Bangalore, 1948	94
Figure 5.23	Government Offices (d.1945*)	95
Figure 5.24	Government Offices (d.1945*)	95
Figure 5.25	Development Plan for Bangalore (d.1944*)	96
Figure 5.26	Development Plan for Bangalore (d.1944*)	96
Figure 5.27	Improvements to the Palace, Mysore (c.1941)	97
Figure 5.28	Improvements to the Palace, Mysore (c.1941)	97
Figure 5.29	Hunting Lodge, Biligiri Hills (c.1943*)	98
Figure 5.30	Hunting Lodge, Biligiri Hills (c.1943*)	98
Figure 5.31	Bhatia House, Bangalore (c.1947)	99
Figure 5.33	Bhatia House, Bangalore (c.1947)	100
Figure 5.34	Bhatia House, Bangalore (c.1947)	100
Figure 5.32	Bhatia House, Bangalore (c.1947)	100
Figure 5.35	Aeronautical Engineering, IISc, Bangalore (c.1944*)	101
Figure 5.36	Aeronautical Engineering, IISc, Bangalore (c.1944*)	101
Figure 5.37	Aeronautical Engineering, IISc, Bangalore (c.1944*)	102
Figure 5.38	The wind tunnel from above and its door	102
Figure 5.39	Dining Hall and Auditorium, IISc, Bangalore (c.1946)	103
Figure 5.40	Dining Hall and Auditorium, IISc, Bangalore (c.1946)	103
Figure 5.41	A lecture theatre for special occasions	104
Figure 5.42	Dining Hall and Auditorium, IISc, Bangalore (c.1946)	104
Figure 5.43	One of the kitchens in use	104
Figure 5.44	Hydrogen Plant, IISc, Bangalore (c.1944)	105
Figure 5.45	Hydrogen Plant / Prakruthi Vegetarian Restaurant	105

Figure 5.46	Hydrogen Plant, IISc, Bangalore (c.1944)	106
Figure 5.47	Hydrogen Plant, IISc, Bangalore (c.1944)	106
Figure 5.48	Metallurgy Department, IISc, Bangalore (c.1948)	107
Figure 5.49	Metallurgy Department Lecture Theatre	107
Figure 5.50	Metallurgy Department, IISc, Bangalore (c.1948)	108
Figure 5.51	Metallurgy Department, IISc, Bangalore (c.1948)	108
Figure 5.52	Metallurgy Department, IISc, Bangalore (c.1948)	109
Figure 5.53	First floor veranda, Metallurgy Department, IISc	109
Figure 5.54	TIFR (d.1945-47)	110
Figure 5.55	TIFR (d.1945-47)	110
Figure 5.56	TIFR, Plans for the Theoretical Block (d.1945-47)	111
Figure 5.57	TIFR, Experimental Block Elevations (d.1945-47)	111
Figure 5.58	Workers' Quarters, Swadeshi Mills, Kurla (d.1943)	112
Figure 5.59	Workers' Quarters, Swadeshi Mills, Kurla (d.1943)	112
Figure 5.60	Temple's Plan for Jamshedpur (d.1919)	113
Figure 5.61	Layout of Hindu worker's huts, Temple (d.1919)	113
Figure 5.62	Jamshedpur Development Plan (d.1944-45)	114
Figure 5.63	Jamshedpur Development Plan (d.1944-45)	115
Figure 5.64	Jamshedpur Development Plan (d.1944-45)	115
Figure 5.65	Jamshedpur Development Plan (d.1944-45)	116
Figure 5.66	Jamshedpur Development Plan (d.1944-45)	116
Figure 5.67	Plan for Mithapur (d.1948)	117
Figure 5.68	Plan for Mithapur (d.1948)	118
Figure 5.69	Plan for Mithapur, design of the civic centre (d.1948)	118
Figure 5.70	Master Plan for Bhubaneswar (d.1948)	119
Figure 5.71	Master Plan for Bhubaneswar (d.1948)	119
Figure 5.72	MARG magazine (founded 1946)	120
Figure 5.73	MARG magazine (founded 1946)	121
Figure 5.74	2 Cunningham Road, Bangalore	122
Figure 5.75	The drawing room at 2 Cunningham Road	122
Figure 5.76	Käthe and Otto Koenigsberger in India	123
Figure 5.77	Otto Koenigsberger and the PWD, probably 1948	123
Figure 5.78	Koenigsberger's Network, 1948	124
Chapter 6: N	New Delhi, Republic of India, 1948-1951	125
Figure 6.1	Otto Koenigsberger in New Delhi, 1949	126
Figure 6.2	Koenigsberger with Jawaharlal Nehru, New Delhi, 1950	126
Figure 6.3	A prototype of the prefab in Slough, 1949	127
Figure 6.4	A prototype of the prefab in New Delhi, 1949	127
Figure 6.5	A colony of MZ/2 prefabs at the housing factory, New Delhi, 1950	128
Figure 6.6	Plan of Prefab Type MZ/2	128
Figure 6.7	Prefab Type FR/1, New Delhi, 1950	129
Figure 6.8	Plan of Prefab Type FR/1	129
Figure 6.9	Nehru and Amrit Kaur touring the prefab and factory, 1950	130
Figure 6.10	Aerated concrete panels stacked in front of the factory, 1950	130
Figure 6.11	A scandal breaks out in the press, January and February 1951	131
Figure 6.12	Amrit Kaur's letter of dismissal to Koenigsberger, April 1951	132
Figure 6.13	A letter from Jawaharlal Nehru to Koenigsberger, May 1951	133
Figure 6.14	The press reports postively on the factory in June 1951	134
Figure 6.15	Inside the Housing Factory, 1950	135

Figure 6.16	Piles of sand outside the Housing Factory, 1950	135			
Figure 6.17	Office Building, New Delhi (c.1951)	136			
Figure 6.18	Office Building, New Delhi (c.1951)	136			
Figure 6.19	Power House, New Delhi (c.1950)	137			
Figure 6.20	Power House and Factory, New Delhi, 1950	137			
Figure 6.21	Plan for Faridabad (d.1949)	138			
Figure 6.22	Plan of Gandhidam (d.1950)	139			
Figure 6.23	Neighbourhood Unit 5 at Gandhidam (d.1950)	140			
Figure 6.24	Neighbourhood Units 1& 6 at Gandhidam (d.1950)	141			
Figure 6.25	Plan for Rajpura (d.1950)	142			
Figure 6.26	Plan of Sindri (d.1951)	143			
Figure 6.27	Plan of a neighbourhood unit at Sindri (d.1951)	143			
Figure 6.28	Otto Koenigsberger's prefab home in New Delhi, 1949	144			
Figure 6.29	Plan of Koenigsberger's prefab home in New Delhi	144			
Figure 6.30	Koenigsberger with family in Cambridge, UK, 1952	145			
Figure 6.31	Koenigsberger's Network, 1951	146			
Figure 6.32	Koenigsberger, Mountbatten, Nehru and Kaur, New Delhi, 1950	147			
Figure 6.33	Koenigsberger, Mountbatten, Nehru and Kaur, New Delhi, 1950	147			
Figure 6.34	Dinner party at Government House,	New			
Delhi, 1949		148			
Chapter 7: Discussion and Conclusions					
Figure 7.1	Otto Koenigsberger with students at the AA, 1960s	150			
Figure 7.2	List of Tropical Architecture students, 1960	151			
Appendix: List of Figures in Koenigsberger's Network					
Appendix. List of rigules in Roelingsberger's Network					