

INHALT:

THIS IS A STORY 11

INTRODUCTION 12

Davos' Forgotten Proto-modernism (14) / The Medicalisation of Architecture / **Literature Review (16)** / Protagonists / Interpretation / **Research question (19)** / **Methodology (20)** / **Summary (23)**

01 – PREPARATION 26

Departing Towards a Modern Sanatorium (28) / **The Quest for a Suitable Site (28)** / **Quid Pro Quo: Land and Water for Infrastructure (32)** / **The Road (35)** / **Measuring the Site (38)** / **Architecture without Architects? (39)**

02 – CONCEPTION 40

The Architect and the Sanatorium: On an Unconventional

Relationship (42) / Proceeding with Infrastructure / Other Architects / **The First Design: Thoughts on the Cartesian Sanatorium (49)** / Dr Turban's Ideal Sanatorium in England: a Blueprint / An Adaptation in Davos / **Designing Around the Human Being (54)** / The Loggia and the Dissolution of the Facade / Taming the Mountain: Topography and Form / The Incongruence of Form and Function / The Functional Diagram of the Building / Sacrificing Architecture for Sun: the Third Floor / The Allocation of Functions / A Congruence of Programme and Extension / **Co-Designers: Reading and Interpreting the Plans. (70)** / Increasing Complexity: Dr Heim / Distant Co-Designers / **A Modular Design (76)** / **A Final Design? Towards a Further Rationalisation (77)** / The Micro-Habitat and the New Proportion / Constructing an Idea / New plans for a new audience

03 – CONSTRUCTION 86

Setting up the Construction Site (88) / **On the Minimal Vertical Use of Reinforced Concrete (90)** / The Return of the Co-Designers / **From the Window in the Wall Towards the Wall as Window (98)** / The Ralking Facade / **The Protagonists of Reinforced Concrete (104)** / The Networks of Power - Towards the First Norm / **Robert Maillart and the Queen Alexandra Sanatorium (107)** / Hennebique / A First Mission in Davos / The Drawings of Robert Maillart / **From Hennebique to the Unterzuglose Decke (112)** / Introducing the Cantilever / Hiding a Bridge / A Minimal Roof / Towards Pure Horizontality / Anticipating the Flat Slab / **The Construction Site in 1907 (120)** / Pflughard & Haefeli's Arc: Trapped in a Transition Stage / Laying the Foundation Stone / The Return of the Co-Designers / From Plan to Palimpsest / **A Story of two Roofs (126)** / **Filling a Structure (133)** / Finishing the Dining Room and the Entrance Hall / **New Specialists: Technical Building Services (134)** / Sanitary Works / Contracting Thurnherr / **A troublesome Reopening of the Construction Site (142)** / Problems with the Ground: Retaining Walls / The Kitchen and the Functionalisation of its Façade / **Appearing in Public (152)** / Finishing the Ground Floor: Expose or Conceal? / **Towards Completion: The Final Tenders (159)** / The Full Range of an Architect's work / Changing the Plan one last Time / The Road / **Getting Operational (167)**

04 – EXTENSION 170

Towards Enlarging the Sanatorium (172) / An Irritating first Proposal / **On the Functionalisation of the Design (176)** / A further Segregation of Functions / Plans for the Client / Approval of a Proposal / Post-approval Alterations / **A Different Approach to Reinforced Concrete (184)** / A Journey of Loads - the Inverted Beam / A Careful Use of Concrete - The Ceiling over the Chapel / Solving Problems with Concrete - the new Corridor / Three Ceilings - The Ground Floor / **The Rationalisation of the Construction (190)** / Towards a Monopoly of Baratelli / The September Meeting: Baratelli's megadeal / Initiating Construction / Visually Organising the Construction Process / The Industrialisation of the Architectural Detail / **On the Trail of Maillart: Friedrich Pulfer (202)** / Plan and Framework / Pulfer's Beam / Pulfer's Slab / The Victory of a Concept / The Boundaries of Modernism / **Hurdles on the Way to Opening (210)** / Fighting the Mountain / Understanding Maillart's Beam / **Towards the Opening and the End (217)** / Last Minute Alterations

05 – RECEPTION 222

A Professional Amateur? (224) / A Modern Building or a Piece of History? (225) / Befreites Wohnen (226) / Das Neue Frankfurt (232) / Space, Time and Architecture (236)

CONCLUSION 240

The Conception of Modern Spaces (242) / The Construction of Modern Spaces (242) / Reinforced Concrete (243) / On Authorship: Teamwork and Co-Designers (244) / The Role of the Engineer (245) / Outlook and Open Questions (246) / Changing Perceptions (248) / Archetype or Prototype? (249)

BIBLIOGRAPHY 252

ARCHIVES 260

LIST OF FIGURES 262