Design Details for Health
Making the Most of Design’s Healing Potential

Second Edition

Cynthia Leibrock • Debra D. Harris, Ph.D.
CONTENTS

A List of Checklists and Special Topics  xi
Foreword  xiii
Acknowledgments  xv

PART ONE
LONG-TERM CARE ................................. 1
Quality of Residential Long-Term Care  2
Design Intervention  3
Technology  4
Residential Long-Term Care in Other Countries  4
Endnotes  6

1 ASSISTED LIVING ............................... 7
Assisted Living in Europe  8
Assisted Living in the United States  12
Planning Public Spaces  17
A Note on Apartments  24
Endnotes  25

2 CARING FOR PEOPLE WITH DEMENTIA ....................... 27
Reducing Distractions  32
Establishing Links with the Familiar, Healthy Past  33
Providing Sensory Cues to Prompt Memory 34
Eliminating Dangerous Options 36
Avoiding Confrontations 38
Encouraging Successful Social Interaction and Family Participation 39
Releasing Excess Energy 41
Encouraging Independence 42
Endnotes 44

3 HOME HEALTH CARE ................................................. 45
Design Demonstration Centers 47
Cohousing 54
Group Homes 57
Independent Living 61
Endnotes 65

4 HOSPICE ......................................................... 67
Design Criteria 70
Privacy 70
Comfort 71
Support of Friends and Family 76
Individual Choice 80
Infection Control 81
Security 81
Endnotes 82

5 SUBACUTE CARE AND REHABILITATION ....................... 85
Design of Subacute-Care Facilities 86
Design for Visual Acuity 86
Design to Enhance Hearing 88
Assistive Technology 91
Design for Improved Cognitive Ability 92
Design for Mobility 94
Other Sensory Issues 97
Design of Rehabilitation Facilities 97
Physical Therapy 99
Occupational Therapy 100
Specialized Services 107
Endnotes 112
9 BIRTH CENTERS ........................................... 197
   Innovations in Birth Centers 197
   The Birth Room 200

10 CHILDREN’S HOSPITALS ............................... 207
   Efficacy 208
   Comfort and Safety 212
   A Sense of Belonging 215
   Positive Distraction 218
   Endnotes 225

11 INPATIENT PSYCHIATRIC UNITS .................... 227
   Patient Independence 229
   Integration of the Family 231
   Public and Social Areas 231
   The Mind-Body Connection 234
   Endnotes 237

12 GENERAL HOSPITALS .................................... 239
   Critical Trends and Issues in Acute-Care Design 240
   Cooperative Care and VIP Suites 261
      Cooperative Care Model 261
      VIP Suites 264
   Endnotes 274

13 CRITICAL CARE ........................................... 277
   Emergency Departments 277
   Intensive Care Units 281
   Specialized Intensive Care Units 286
      Cardiac Intensive Care Units 286
      Neonatal Intensive Care Units 288
   Family Waiting 294
   Endnotes 295

Index 297