

# Contents

|   |     |
|---|-----|
| ACKNOWLEDGMENTS .....   | ix  |
| FOREWORD By Meror Krayenhoff .....  | xi  |
| CHAPTER 1: Introduction .....   | 1   |
| CHAPTER 2: Rationale and Appropriate Use .....                                | 3   |
| CHAPTER 3: Building Science Notes .....                                       | 9   |
| CHAPTER 4: Materials.....   | 21  |
| CHAPTER 5: Wall System Examples and Structural Design Considerations .....    | 53  |
| CHAPTER 6: Tools and Mixing.....  | 71  |
| CHAPTER 7: Construction Methods.....  | 81  |
| CHAPTER 8: Cost Estimates Based on a Cement-Stabilized Rammed Earth Project.. | 101 |
| CHAPTER 9: Wall Surfaces, Openings, and Embedments.....                       | 105 |
| CHAPTER 10: Building Code Developments .....                                  | 119 |
| APPENDIX A: Sample Engineering Specification.....                             | 125 |
| APPENDIX B: Alternative Solutions Proposal.....                               | 131 |
| DEFINITIONS .....   | 133 |
| RESOURCES AND MATERIAL SUPPLIERS.....   | 135 |
| BIBLIOGRAPHY .....  | 137 |
| INDEX .....   | 139 |
| ABOUT THE AUTHOR .....  | 145 |
| A NOTE ABOUT THE PUBLISHER .....  | 146 |