

1809A Driven Pile Foundations 172
 1810A Cast-in-place Concrete Pile Foundations..... 175
 1811A Composite Piles 178
 1812A Pier Foundations 179

CHAPTER 19 CONCRETE..... 183

Section
 1901 General..... 183
 1902 Definitions 183
 1903 Specifications for Tests and Materials 183
 1904 Durability Requirements..... 183
 1905 Concrete Quality, Mixing and Placing 185
 1906 Formwork, Embedded Pipes and
 Construction Joints 185
 1907 Details of Reinforcement 186
 1908 Modifications to ACI 318 186
 1909 Structural Plain Concrete 189
 1910 Minimum Slab Provisions..... 190
 1911 Anchorage to Concrete—Allowable
 Stress Design 190
 1912 Anchorage to Concrete—Strength Design..... 191
 1913 Shotcrete..... 191
 1914 Reinforced Gypsum Concrete..... 192
 1915 Concrete-filled Pipe Columns..... 192

CHAPTER 19A CONCRETE..... 197

Section
 1902A General..... 197
 1902A Definitions 197
 1903A Specifications for Tests and Materials 197
 1904A Durability Requirements..... 198
 1905A Concrete Quality, Mixing and Placing..... 200
 1906A Formwork, Embedded Pipes and
 Construction Joints 201
 1907A Details of Reinforcement 201
 1908A Modifications to ACI 318 202
 1909A Structural Plain Concrete 208
 1910A Minimum Slab Provisions..... 208
 1911A Anchorage to Concrete—
 Allowable Stress Design 208
 1912A Anchorage to Concrete—
 Strength Design 209
 1913A Shotcrete..... 209
 1914A Reinforced Gypsum Concrete..... 211
 1915A Concrete-filled Pipe Columns..... 211
 1916A Concrete Testing 211

1917A Existing Concrete Structures 212

CHAPTER 20 ALUMINUM 215

Section
 2001 General..... 215
 2002 Materials..... 215
 2003 Inspection..... 215

CHAPTER 21 MASONRY..... 219

Section
 2101 General..... 219
 2102 Definitions and Notations 219
 2103 Masonry Construction Materials 223
 2104 Construction..... 226
 2105 Quality Assurance 229
 2106 Seismic Design 230
 2107 Allowable Stress Design 232
 2108 Strength Design of Masonry..... 232
 2109 Empirical Design of Masonry..... 233
 2110 Glass Unit Masonry..... 239
 2111 Masonry Fireplaces 241
 2112 Masonry Heaters 243
 2113 Masonry Chimneys 243

CHAPTER 21A MASONRY..... 251

Section
 2101A General..... 251
 2102A Definitions and Notations 251
 2103A Masonry Construction Materials 255
 2104A Construction..... 258
 2105A Quality Assurance 263
 2106A Seismic Design 265
 2107A Allowable Stress Design 267
 2108A Strength Design of Masonry..... 268
 2109A Empirical Design of Masonry..... 268
 2110A Glass Unit Masonry..... 268
 2111A Masonry Fireplaces 269
 2112A Masonry Heaters 271
 2113A Masonry Chimneys 271
 2114A Nonbearing Walls 275
 2115A Masonry Screen Walls..... 276

CHAPTER 22 STEEL..... 279

Section
 2201 General..... 279