

APPENDIX E

ACCEPTED ENGINEERING PRACTICE STANDARDS

Design and construction completed in accordance with the applicable standards, guides and recommendations contained in this Appendix shall be considered to satisfy the requirements of the MPS, unless stated otherwise. The list of approved incorporations by reference is Published in the * Code of Federal Regulations at 24 CFR Part 200 Appendix A.

- 100-1 DISABLED PERSONS
- Uniform Federal Accessibility Standards (UFAS)
 -----GSA, DOD, HUD, AND USPS 24 CFR Part 40
- 600 GENERAL
- Intermediate Minimum Property Standards
 Supplement - Solar Heating and Domestic
 Hot Water Systems----- HUD Handbook, 4930.2-1989
- 602 SITE
- Thickness Design - Full Depth Asphalt Pavement
 Structures for Highways and Streets - Asphalt
 Institute----- MS-1-1981
 Installing Vitrified Clay
 Sewer Pipe----- ASTM C 12-91
 Test for Moisture - Density
 Relation of Soil----- ASTM D 1557-91
 Installing Bituminized Fiber
 Drain & Sewer Pipe----- ASTM D 2316-84
 Floodplain Management----- EO 11988
 Protection of Wetlands----- EO 11990
- 603 CONCRETE
- Recommended Practice for Selecting Proportions for
 Concrete----- ACI 211.1-89
 Recommended Practice for Selecting
 Proportions for Structural Lightweight
 Concrete----- ACI 211.2-91
 Guide for Structural Lightweight
 Concrete----- ACI 213R-87

E-1

1994

4910.1

CONCRETE - Continued

Recommended Practice for Evaluation of
Compression Test Results of

Field Concrete----- ACI 214-83
 Specifications for Structural Concrete for
 Buildings----- ACI 301-89
 Specifications for Concrete Aggregates----- ASTM C33-90
 Design and Construction of Post-tensioned
 Slabs-on-Ground----- PTI-1980
 Criteria for Selection and Design of
 Residential Slabs-on-Ground, Report #33,
 Publications 1571----- NAS-1968
 Guide for Concrete Floor
 and Slab Construction-----ACI-302.1R-80
 Guide to Joint Sealants
 for Concrete Structures----- ACI 504R-77
 Guide for Concrete
 Inspection----- ACI 311.4R-88
 Details and Detailing
 of Concrete
 Reinforcement----- ACI 315-80
 Building Code Requirements
 for Reinforced
 Concrete----- ACI 318-92
 Structural Plain Concrete----- ACI 322-72
 Recommended Practice for
 Concrete Formwork----- ACI 347R-88
 Recommended Practice for
 Shotcreting----- ACI 506-66 (Rev. 1990)
 A Guide to the Use of Waterproofing,
 Dampproofing, Protective and
 Decorative Barrier Systems
 for concrete----- ACI 515.1R-85
 Fabrication, Handling and
 Erection of Precast
 Concrete Wall Panels----- ACI 533.3R-70
 Quality Standards and
 Tests for Precast
 Concrete Wall Panels----- ACI 533.1R-69
 Selection and Use of
 Materials for Precast
 Concrete Wall Panels----- ACI 533.2R-69
 Hot Weather Concreting----- ACI 305R-89
 Cold Weather Concreting----- ACI 306R-88
 Recommended Practice
 for Measuring, Mixing,
 Transporting and Placing
 Concrete----- ACI 304R-73 (Rev. 89)

Manual for Quality Control
 for Plants and Production
 of Precast Prestressed
 Concrete Products----- PCI MNL-116-85
 Manual of Quality Control
 for Plants and Production

Architectural Precast
Concrete Products----- PCI MNL-117-77
Code for Welding in Building
Construction----- ANSI/AWS D1.1-90
Recommended Practices for
Welding Reinforcing
Steel, Metal Inserts and
Connection in Reinforced
Concrete Construction----- AWS D1.4-79
Manual for Structural
Design of Architectural
Precast Concrete----- PCI MNL-121-77

606 WOOD AND PLASTICS

Wood Decay in Houses - How to Prevent
and Control It----- USDA Home and Garden
Bulletin No. 73-1986
Wood Frame House Handbook----- USDA Agriculture
Handbook No. 73-1989
Subterranean Termites Their
Prevention and Control in
Buildings----- USDA Home and Garden
Bulletin No. 64-1989
Wood Construction----- National Design
Specification 1991
Edition including
amendments
Standard for Plastic
Toilets Seats
(Water Closet Seats)----- ANSI Z 124.5-1989

607 THERMAL AND MOISTURE PROTECTION

Model Energy Code----- CABO 1992 Edition
Insulation Manual, Homes-Apartments----- NAHB-RF-1979
Handbook of Applications----- ASHRAE-1987
Handbook of Equipment----- ASHRAE-1988
Handbook of Systems----- ASHRAE-1980
Handbook of Fundamentals----- ASHRAE-1989
Cooling and Heating Load Calculations
Manual----- ASHRAE GRP 158-1979
Window and Sliding Glass

1994

4910.1

THERMAL AND MOISTURE PROTECTION - Continued

Doors - Air Infiltration----- Appendix D
Sections 508A and B
HUD MPS 4910.1

608 GLAZING

Glazing Sealing Systems

Manual----- FGMA 1990
Glazing Manual----- FGMA 1986

609

FINISH MATERIALS

Hardwood Flooring Installation
Manual----- (NOFMA) - 1986
Hardwood Flooring Finishing/Refinishing
Manual----- (NOFMA) - 1986
Recommended Installation
Specification for Solid Vinyl
and Asphalt Tile Flooring----- RFCI - 1987
The Roofing and
Waterproofing Manual----- NRCA - 1989
Residential Asphalt
Roofing Manual----- ARMA - 1988
Specifications for Installation
of Residential Aluminum Siding----- AAMA 1402-1989
Specifications for Aluminum Sheet
Metal Work in Building
Construction----- AA-ASM-35-80
Application of Interior Gypsum
Plaster----- ASTM C 842-90
Handbook for Ceramic Tile
Installation----- TCA-1993
Installation of Steel Framing Members
to Receive Screw Attached Gypsum
Wallboard, Backing Board, or Water
Resistant Backboard----- ASTM C 754-88
Installation of Interior
Lathing and Furring----- ASTM C 841-90
Application of Gypsum Veneer
Plaster----- ASTM C 843-92
Application of Gypsum Base to
Receive Gypsum
Veneer Plaster----- ASTM C 844-85
Ceramic Tile Installation----- ANSI A108.1A-92
Application of Portland
Cement Based Plaster----- ASTM C 926-90
Specifiers Guide for Contract
Carpet Installation----- CRI - 1984

E-4

1994

4910.1

611 EQUIPMENT

611-1 KITCHEN CABINETS

Recommended Minimum Construction
and Performance Standards for
Kitchen and Vanity
Cabinets----- ANSI A 161.1-86

Certified Construction

Standards and
Specifications----- SCACM-73

611-2 KITCHEN EQUIPMENT

National Fuel Gas Code----- NFPA 54-92 (ANSI Z223.1)
Electrical Appliance and
Utilization Equipment
Directory----- UL-1992

615 MECHANICAL

615-7 SPECIAL PIPING SYSTEMS

Standards----- NFPA 54-92

Standard for the Storage
and Handling of Liquified
Petroleum Gases----- ANSI Z 223.1/NFPA 58-1992

615-8 WATER SUPPLY

Drinking Water Standards

National Interim Primary
Drinking Water Regulations----- EPA 40 CFR 141

Manual of Individual Water
Supply Systems----- EPA 570/9-82-004

615-9 SEWAGE DISPOSAL SYSTEMS

HUD Handbook 4940.3-Rev.1-92
Installing Vitrified
Clay Pipe Sewers----- ASTM C 12-91
Underground Installation
of Flexible Thermoplastic
Sewer Pipe----- ASTM D 2321-89