

TABLE OF CONTENTS

<p>CHAPTER 1 ADMINISTRATION..... 1-1</p> <p>Section</p> <p>101 General 1-1</p> <p>102 Purpose and Scope 1-1</p> <p>103 Application of Code..... 1-1</p> <p>104 Enforcement, Generally 1-3</p> <p>105 Local Building Department 1-4</p> <p>106 Powers and Duties of the Building Official 1-5</p> <p>107 Fees 1-5</p> <p>108 Application for Permit 1-5</p> <p>109 Construction Documents 1-7</p> <p>110 Permits 1-8</p> <p>111 Registered Design Professional Services 1-9</p> <p>112 Workmanship, Materials and Equipment 1-9</p> <p>113 Inspections 1-10</p> <p>114 Stop Work Orders..... 1-11</p> <p>115 Violations 1-11</p> <p>116 Certificates of Occupancy 1-11</p> <p>117 Temporary and Moved Buildings and Structures; Demolition 1-12</p> <p>118 Buildings and Structures Becoming Unsafe During Construction 1-12</p> <p>119 Appeals 1-13</p> <p>CHAPTER 2 DEFINITIONS..... 2-1</p> <p>Section</p> <p>201 General 2-1</p> <p>202 General Definitions 2-1</p> <p>CHAPTER 3 GENERAL REGULATIONS..... 3-1</p> <p>Section</p> <p>301 General 3-1</p> <p>302 Protection of Structure..... 3-2</p> <p>303 Equipment and Appliance Location 3-3</p> <p>304 Installation 3-3</p> <p>305 Piping Support 3-4</p> <p>306 Access and Service Space 3-5</p> <p>307 Condensate Disposal 3-6</p> <p>308 Clearance Reduction 3-7</p> <p>309 Temperature Control 3-8</p> <p>310 Explosion Control 3-8</p> <p>311 Smoke and Heat Vents 3-9</p>	<p>312 Heating and Cooling Load Calculations 3-9</p> <p>CHAPTER 4 VENTILATION..... 4-1</p> <p>Section</p> <p>401 General 4-1</p> <p>402 Natural Ventilation 4-1</p> <p>403 Mechanical Ventilation 4-2</p> <p>404 Enclosed Parking Garages..... 4-7</p> <p>405 Systems Control 4-7</p> <p>406 Ventilation of Uninhabited Spaces 4-7</p> <p>CHAPTER 5 EXHAUST SYSTEMS 5-1</p> <p>Section</p> <p>501 General 5-1</p> <p>502 Required Systems..... 5-1</p> <p>503 Motors and Fans..... 5-7</p> <p>504 Clothes Dryer Exhaust..... 5-8</p> <p>505 Domestic Kitchen Exhaust Equipment 5-8</p> <p>506 Commercial Kitchen Hood Ventilation System Ducts And Exhaust Equipment 5-9</p> <p>507 Commercial Kitchen Hoods 5-12</p> <p>508 Commercial Kitchen Makeup Air..... 5-15</p> <p>509 Fire Suppression Systems 5-15</p> <p>510 Hazardous Exhaust Systems 5-15</p> <p>511 Dust, Stock and Refuse Conveying Systems .. 5-17</p> <p>512 Subslab Soil Exhaust Systems..... 5-18</p> <p>513 Smoke Control Systems..... 5-18</p> <p>514 Energy Recovery Ventilation Systems 5-22</p> <p>CHAPTER 6 DUCT SYSTEMS 6-1</p> <p>Section</p> <p>601 General 6-1</p> <p>602 Plenums..... 6-1</p> <p>603 Duct Construction and Installation 6-2</p> <p>604 Insulation 6-4</p> <p>605 Air Filters 6-5</p> <p>606 Smoke Detection Systems Control 6-5</p> <p>607 Ducts and Transfer Openings 6-6</p> <p>CHAPTER 7 COMBUSTION AIR..... 7-1</p> <p>Section</p> <p>701 General 7-1</p>
--	--

TABLE OF CONTENTS

CHAPTER 8 CHIMNEYS AND VENTS..... 8-1

Section

801 General 8-1
802 Vents 8-2
803 Connectors 8-3
804 Direct-vent, Integral Vent and Mechanical
Draft Systems 8-4
805 Factory-built Chimneys 8-5
806 Metal Chimneys 8-6

**CHAPTER 9 SPECIFIC APPLIANCES,
FIREPLACES AND SOLID FUEL-
BURNING EQUIPMENT 9-1**

Section

901 General 9-1
902 Masonry Fireplaces 9-1
903 Factory-built Fireplaces 9-1
904 Pellet Fuel-burning Appliances 9-1
905 Fireplace Stoves and Room Heaters 9-1
906 Factory-built Barbecue Appliances 9-1
907 Incinerators and Crematories 9-1
908 Cooling Towers, Evaporative
Condensers and Fluid Coolers 9-1
909 Vented Wall Furnaces 9-2
910 Floor Furnaces 9-2
911 Duct Furnaces 9-2
912 Infrared Radiant Heaters 9-2
913 Clothes Dryers 9-2
914 Sauna Heaters 9-3
915 Engine and Gas Turbine-powered
Equipment and Appliances 9-3
916 Pool and Spa Heaters 9-3
917 Cooking Appliances 9-3
918 Forced-air Warm-air Furnaces 9-3
919 Conversion Burners 9-4
920 Unit Heaters 9-4
921 Vented Room Heaters 9-4
922 Kerosene and Oil-fired Stoves 9-5
923 Small Ceramic Kilns 9-5
924 Stationary Fuel Cell Power Systems 9-5
925 Masonry Heaters 9-5
926 Gaseous Hydrogen Systems 9-5

**CHAPTER 10 BOILERS, WATER HEATERS
AND PRESSURE VESSELS 10-1**

Section

1001 General 10-1
1002 Water Heaters 10-1
1003 Pressure Vessels 10-1
1004 Boilers 10-1
1005 Boiler Connections 10-2
1006 Safety and Pressure Relief Valves
and Controls 10-2
1007 Boiler Low-water Cutoff 10-2
1008 Steam Blowoff Valve 10-3
1009 Hot Water Boiler Expansion Tank 10-3
1010 Gauges 10-3
1011 Tests 10-3

CHAPTER 11 REFRIGERATION..... 11-1

Section

1101 General 11-1
1102 System Requirements 11-1
1103 Refrigeration System Classification 11-2
1104 System Application Requirements 11-2
1105 Machinery Room, General Requirements 11-7
1106 Machinery Room, Special Requirements 11-8
1107 Refrigerant Piping 11-8
1108 Field Test 11-9
1109 Periodic Testing 11-10

CHAPTER 12 HYDRONIC PIPING 12-1

Section

1201 General 12-1
1202 Material 12-1
1203 Joints and Connections 12-2
1204 Pipe Insulation 12-3
1205 Valves 12-3
1206 Piping Installation 12-3
1207 Transfer Fluid 12-4
1208 Tests 12-4
1209 Embedded Piping 12-4

**CHAPTER 13 FUEL OIL PIPING
AND STORAGE 13-1**

Section

1301 General 13-1

1302 Material. 13-1
1303 Joints and Connections 13-1
1304 Piping Support 13-2
1305 Fuel Oil System Installation 13-2
1306 Oil Gauging 13-3
1307 Fuel Oil Valves. 13-3
1308 Testing. 13-3

CHAPTER 14 SOLAR SYSTEMS 14-1

Section

1401 General 14-1
1402 Installation 14-1
1403 Heat Transfer Fluids. 14-1
1404 Materials 14-2

CHAPTER 15 REFERENCED STANDARDS 15-1

INDEX INDEX-1

