

TABLE OF CONTENTS

CHAPTER 1 ADMINISTRATION.....	1	CHAPTER 3 GENERAL REGULATIONS	19
Section		Section	
<u>101 Title.....</u>	<u>1</u>	301 General.....	19
<u>102 Purpose.....</u>	<u>1</u>	302 Protection of Structure.....	20
<u>103 Scope.....</u>	<u>1</u>	303 Equipment and Appliance Location.....	20
<u>104 Application to Existing Mechanical Systems.....</u>	<u>1</u>	304 Installation.....	21
<u>105 Alternate Materials and Methods of Construction.....</u>	<u>2</u>	305 Piping Support.....	23
<u>106 Modifications.....</u>	<u>2</u>	306 Access and Service Space.....	23
<u>107 Tests.....</u>	<u>2</u>	307 Condensate Disposal.....	24
<u>108 Jurisdiction – Powers and Duties of the Building Official.....</u>	<u>2</u>	308 Clearance Reduction.....	25
<u>109 Unsafe Equipment and Hazard Correction Order.....</u>	<u>3</u>	309 Temperature Control.....	25
<u>110 Appeals.....</u>	<u>3</u>	310 Explosive Control.....	25
<u>111 Violations and Penalties.....</u>	<u>3</u>	311 Smoke and Heat Vents.....	25
<u>112 Notices.....</u>	<u>4</u>	312 Heating and Cooling Load Calculations	26
<u>113 Rules of the Building Official.....</u>	<u>4</u>	CHAPTER 4 VENTILATION.....	27
<u>114 Construction Codes Advisory Board.....</u>	<u>4</u>	Section	
<u>115 Permits.....</u>	<u>4</u>	401 General.....	27
<u>116 Application for Permit and Information on Plans and Specifications.....</u>	<u>5</u>	402 Natural Ventilation.....	28
<u>117 Permit Issuance.....</u>	<u>6</u>	403 Mechanical Ventilation.....	28
<u>118 Fees.....</u>	<u>7</u>	404 Enclosed Parking Garages.....	30.1
<u>119 Inspections.....</u>	<u>7</u>	405 Systems Control.....	30.1
<u>120 Connection Approval.....</u>	<u>8</u>	406 Ventilation of <u>Crawl Spaces and Attics Uninhabited Spaces</u>	30.1
<u>121 Refrigeration Licenses.....</u>	<u>8</u>	CHAPTER 5 EXHAUST SYSTEMS.....	31
<u>122 Operating Permits for Refrigeration Systems.....</u>	<u>8</u>	Section	
CHAPTER 2 DEFINITIONS	9	501 General.....	31
Section		502 Required Systems.....	31
201 General.....	9	503 Motors and Fans.....	38
202 General Definitions.....	9	504 Clothes Dryer Exhaust.....	38
		505 Domestic Kitchen Exhaust Equipment	39
		506 Commercial Kitchen Hood Ventilation System Ducts And Exhaust Equipment.....	39
		507 Commercial Kitchen Hoods.....	42

508	Commercial Kitchen Makeup Air.....	45
509	Fire Suppression Systems.....	45
510	Hazardous Exhaust Systems.....	45
511	Dust, Stock and Refuse Conveying Systems.....	47
512	Subslab Soil Exhaust Systems.....	48
513	Smoke Control Systems.....	48
514	Energy Recovery Ventilation Systems	52.1

CHAPTER 6 DUCT SYSTEMS..... 53

Section

601	General.....	53
602	Plenums.....	53
603	Duct Construction and Installation.....	54
604	Insulation.....	56
605	Air Filters.....	57
606	Smoke Detection Systems Control.....	57
607	Ducts and Air Transfer Openings.....	58

CHAPTER 7 COMBUSTION AIR..... 61

Section

701	General.....	61
702	Inside Air.....	61
703	Outdoor Air.....	61
704	Combined Use of Inside and Outdoor Air (Condition 1)	62
705	Combined Use of Inside and Outdoor Air (Condition 2)	62
706	Forced Combustion Air Supply.....	62
707	Direct Connection.....	62
708	Combustion Air Ducts.....	63
709	Opening Obstructions.....	63
710	Opening Location and Protection.....	63

CHAPTER 8 CHIMNEYS AND VENTS..... 65

Section

801	General.....	65
802	Vents.....	66

803	Connectors.....	67
804	Direct-Vent, Integral Vent, Mechanical Draft Systems Venting.....	68
805	Factory-Built Chimneys.....	69
806	Metal Chimneys.....	69

CHAPTER 9 SPECIFIC APPLIANCES, FIREPLACES AND SOLID FUEL-BURNING EQUIPMENT 71

Section

901	General.....	71
902	Masonry Fireplaces.....	71
903	Factory-Built Fireplaces.....	71
904	Pellet Fuel-Burning Appliances.....	71
905	Fireplace Stoves and Room Heaters....	71
906	Factory-Built Barbecue Appliances.....	71
907	Incinerators and Crematories.....	71
908	Cooling Towers, Evaporative Condensers and Fluid Coolers.....	71
909	Vented Wall Furnaces.....	72
910	Floor Furnaces.....	72
911	Duct Furnaces.....	72
912	Infrared Radiant Heaters.....	72
913	Clothes Dryers.....	72
914	Sauna Heaters.....	73
915	Engine and Gas Turbine-Powered Equipment and Appliances.....	73
916	Pool and Spa Heaters.....	73
917	Cooking Appliances.....	73
918	Forced-Air Warm-Air Furnaces.....	73
919	Conversion Burners.....	74
920	Unit Heaters.....	74
921	Vented Room Heaters.....	74
922	Kerosene and Oil-Fired Stoves.....	74
923	Small Ceramic Kilns.....	75
924	Stationary Fuel Cell Power Plants.....	75
925	Masonry Heaters.....	75

CHAPTER 10 BOILERS, WATER HEATERS AND PRESSURE VESSELS

Chapter 10 is not adopted. See the Seattle Boiler and Pressure Vessel Code and the Uniform Plumbing Code.

CHAPTER 11 REFRIGERATION..... 81

Section

1101	General.....	81
1102	System Requirements.....	81
1103	Refrigeration System Classification....	82
1104	System Application Requirements.....	82
1105	Machinery Room, General Require- ments.....	87
1106	Machinery Room, Special Require- ments.....	88
1107	Refrigerant Piping.....	88
1108	Field Test.....	89
1109	Periodic Testing.....	90

CHAPTER 12 HYDRONIC PIPING 91

Section

1201	General.....	91
1202	Material.....	91
1203	Joints and Connections.....	92
1204	Pipe Insulation.....	93
1205	Valves.....	93
1206	Piping Installation.....	93
1207	Transfer Fluid.....	94
1208	Tests.....	94
1209	Embedded Piping.....	94

CHAPTER 13 FUEL OIL PIPING AND STORAGE..... 95

Section

1301	General.....	95
1302	Material.....	95
1303	Joints and Connections.....	95
1304	Piping Support.....	96

1305	Fuel Oil System Installation.....	96
1306	Oil Gauging.....	96
1307	Fuel Oil Valves.....	97
1308	Testing.....	97

CHAPTER 14 SOLAR SYSTEMS..... 99

Section

1401	General.....	99
1402	Installation.....	99
1403	Heat Transfer Fluids.....	99
1404	Materials.....	100

CHAPTER 15 REFERENCED STANDARDS. 101

APPENDIX A	COMBUSTION AIR OPENINGS AND CHIMNEY CONNECTOR PASS- THROUGHS.....	107
-------------------	--	------------

APPENDIX B	RECOMMENDED PERMIT FEE SCHEDULE.....	111
-------------------	---	------------

INDEX.....	113
-------------------	------------