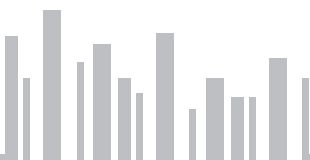


THE SAUDI GREEN CONSTRUCTION CODE

SBC 1001 - CC

Code & Commentaries



2018

TABLE OF CONTENTS

CHAPTER 1 —SCOPE AND ADMINISTRATION	1
SECTION 101 GENERAL.....	1
SECTION 102 APPLICABILITY	3
SECTION 103 DUTIES AND POWERS OF THE CODE OFFICIAL	5
SECTION 104 CONSTRUCTION DOCUMENTS.....	5
SECTION 105 APPROVAL	5
SECTION 106 PERMITS	8
SECTION 107 INSPECTIONS	8
SECTION 108 BOARD OF APPEALS.....	8
SECTION 109 CERTIFICATE OF OCCUPANCY	9
CHAPTER 2 —DEFINITIONS	12
SECTION 201 GENERAL.....	12
SECTION 202 DEFINITIONS	12
CHAPTER 3 —JURISDICTIONAL REQUIREMENTS	39
SECTION 301 GENERAL.....	39
SECTION 302 JURISDICTIONAL REQUIREMENTS	39
CHAPTER 4 —SITE DEVELOPMENT AND LAND USE	45
SECTION 401 GENERAL.....	45
SECTION 402 PRESERVATION OF NATURAL RESOURCES.....	46
SECTION 403 STORMWATER MANAGEMENT	50
SECTION 404 LANDSCAPE IRRIGATION AND OUTDOOR FOUNTAINS.....	51
SECTION 405 MANAGEMENT OF VEGETATION, SOILS AND EROSION CONTROL	54
SECTION 406 BUILDING SITE WASTE MANAGEMENT.....	59
SECTION 407 TRANSPORTATION IMPACT	60
SECTION 408 HEAT ISLAND MITIGATION.....	62
SECTION 409 SITE LIGHTING.....	66
CHAPTER 5 —MATERIAL RESOURCE CONSERVATION AND EFFICIENCY.....	73
SECTION 501 GENERAL.....	73
SECTION 502 CONSTRUCTION MATERIAL MANAGEMENT.....	73
SECTION 503 CONSTRUCTION WASTE MANAGEMENT	74
SECTION 504 WASTE MANAGEMENT AND RECYCLING	76
SECTION 505 MATERIAL SELECTION.....	76
SECTION 506 LAMPS	87
CHAPTER 6 —ENERGY CONSERVATION, EFFICIENCY AND CO₂E EMISSION REDUCTION	92
SECTION 601 GENERAL.....	92
SECTION 602 PERFORMANCE-BASED COMPLIANCE	94
SECTION 603 ENERGY METERING, MONITORING AND REPORTING	96
SECTION 604 AUTOMATED DEMAND-RESPONSE (AUTO-DR) INFRASTRUCTURE	101
SECTION 605 BUILDING ENVELOPE SYSTEMS.....	105
SECTION 606 BUILDING MECHANICAL SYSTEMS.....	108
SECTION 607 BUILDING SERVICE WATER HEATING SYSTEMS.....	113
SECTION 608 BUILDING ELECTRICAL POWER AND LIGHTING SYSTEMS.....	115
SECTION 609 SPECIFIC APPLIANCES AND EQUIPMENT	120
SECTION 610 ONSITE RENEWABLE ENERGY SYSTEMS.....	123
SECTION 611 ENERGY SYSTEMS COMMISSIONING AND COMPLETION	124
SECTION 612 OUTCOME-BASED PATHWAY REQUIREMENTS.....	128
CHAPTER 7 —WATER RESOURCE CONSERVATION, QUALITY AND EFFICIENCY	139

SECTION 701 GENERAL.....	139
SECTION 702 FIXTURES, FITTINGS, EQUIPMENT AND APPLIANCES	140
SECTION 703 HVAC SYSTEMS AND EQUIPMENT	148
SECTION 704 WATER TREATMENT DEVICES AND EQUIPMENT	152
CHAPTER 8 —INDOOR ENVIRONMENTAL QUALITY AND COMFORT	161
SECTION 801 GENERAL.....	161
SECTION 802 BUILDING CONSTRUCTION FEATURES, OPERATIONS AND MAINTENANCE FACILITATION	161
SECTION 803 HVAC SYSTEMS	162
SECTION 804 SPECIFIC INDOOR AIR QUALITY AND POLLUTANT CONTROL MEASURES.....	164
SECTION 805 PROHIBITED MATERIALS.....	165
SECTION 806 MATERIAL EMISSIONS AND POLLUTANT CONTROL.....	166
SECTION 807 ACOUSTICS	168
SECTION 808 DAYLIGHTING	171
CHAPTER 9 —COMMISSIONING, INSPECTIONS, OPERATION AND MAINTENANCE	186
SECTION 901 GENERAL.....	186
SECTION 902 SPECIAL INSPECTION AND COMMISSIONING	186
SECTION 903 BUILDING OPERATIONS AND MAINTENANCE DOCUMENTATION	190
CHAPTER 10 —EXISTING BUILDINGS	197
SECTION 1001 GENERAL.....	197
SECTION 1002 ADDITIONS	198
SECTION 1003 ALTERATIONS TO EXISTING BUILDINGS	199
SECTION 1004 CHANGE OF OCCUPANCY	203
SECTION 1005 HISTORIC BUILDINGS	203
SECTION 1006 DEMOLITION	203
SECTION 1007 JURISDICTIONAL REQUIREMENTS	203
CHAPTER 11 —EXISTING BUILDING SITE DEVELOPMENT	208
SECTION 1101 GENERAL.....	208
SECTION 1102 ADDITIONS	209
SECTION 1103 ALTERATIONS TO EXISTING BUILDING SITES.....	209
SECTION 1104 CHANGE OF OCCUPANCY	210
SECTION 1105 HISTORIC BUILDING SITES.....	210
CHAPTER 12 —REFERENCED STANDARDS	212
APPENDIX A —PROJECT ELECTIVES	224
SECTION A101 GENERAL	225
SECTION A102 DEFINITIONS.....	225
SECTION A103 APPLICABILITY AND CONFORMANCE	226
SECTION A104 SITE PROJECT ELECTIVES.....	226
SECTION A105 A105 MATERIAL RESOURCE CONSERVATION AND EFFICIENCY	227
SECTION A106 ENERGY CONSERVATION, EFFICIENCY AND EARTH ATMOSPHERIC QUALITY	228
SECTION A107 WATER RESOURCE CONSERVATION AND EFFICIENCY	230
SECTION A108 INDOOR ENVIRONMENTAL QUALITY AND COMFORT	231
SECTION A109 REFERENCED STANDARDS.....	232
APPENDIX B —POST-OCCUPANCY COMMISSIONING REPORTING	235
SECTION B101 GENERAL	235