

# OSHPD AMENDMENTS ADOPTED FOR THE 2016 CALIFORNIA BUILDING STANDARDS CODE



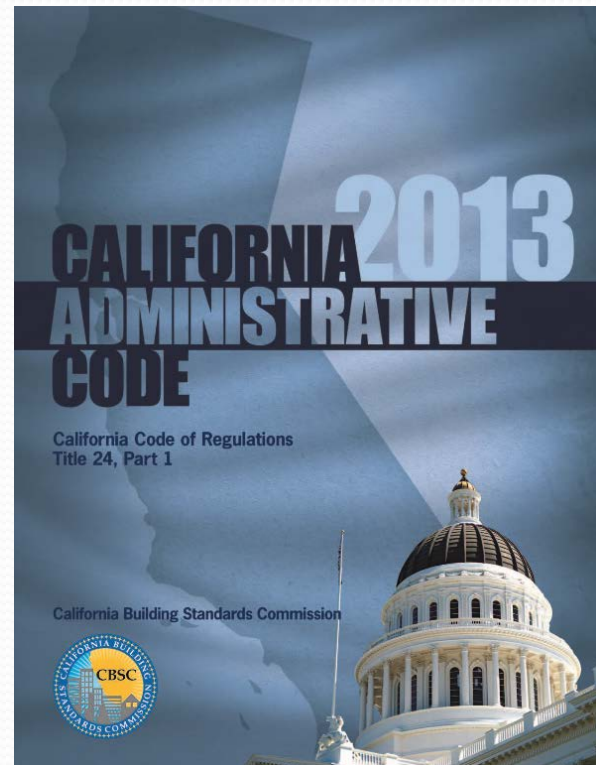
Part 1 CAC  
Part 2 CBC  
Part 3 CEC  
Part 4 CMC  
Part 5 CPC

‘Accessibility for California  
Healthcare Facilities –  
Problem Solving’  
March 31, 2016

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Building Standards Unit  
Facilities Development Division

# Title 24 – Part 1

## California Administrative Code



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### **7-125 Final Construction Documents**

Listed Minimum Content for Architectural, Structural, Mechanical and Electrical Drawings

### **7-131 Incremental Design, Bidding and Construction**

Estimated cost associated with each increment of an Incremental Project as part of a Master Plan

### **7-133 Fees**

Filing fee for ACDs; Fees for Incremental Projects; Exam Fees for change in SPC/NPC rating, Value Engineering AMCs, and ACDs for change in scope.

# Title 24 – Part 1

## California Administrative Code

### **7-141 Administration of Construction**

Clarification on use of TIOs relative to Design Professionals and IORs.

### **7-144 Inspection**

Requirement of “Lead IOR” when there are multiple IORs.

### **7-149 Tests**

Amended language to reference “construction” documents instead of “contract” documents.

# Title 24 – Part 1

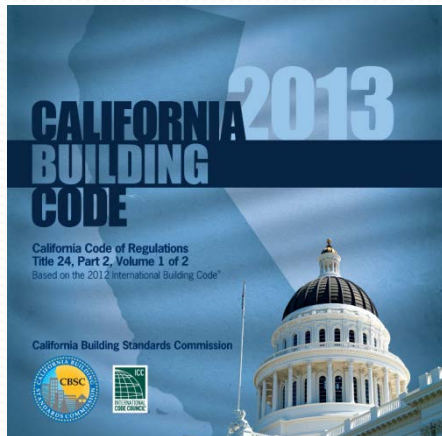
## California Administrative Code

### **7-153 Amended Construction Documents**

- Retitled the section as “Changes in the Approved Work”
- Change in Scope of Work due to “Value Engineering” may use the ACD process in lieu of applying for a new project.

# Title 24 – Part 2

## California Building Code



### **SECTION 1224 [OSHPD 1] HOSPITALS**

#### **1224.4 GENERAL CONSTRUCTION**

- Relocate various support areas for common reference from unique Service Spaces and facility types

#### **1224.16 ANESTHESIA SERVICE SPACE**

- Restructure perioperative support for clarification

#### **1224.28 SUPPLEMENTAL SURGERY SERVICES**

- Add Hybrid Operating Rooms and ECT rooms

#### **1224.33 EMERGENCY SERVICE**

- Reformat into three tiers: Standby; Basic; and Comprehensive Emergency Medical Service; for better alignment with Title 22 and with FGI *Guidelines*

#### **1224.34 NUCLEAR MEDICINE**

- Add sections to cover: Scintigraphy (Gamma Camera) Facilities; Positron Emission Tomography (PET); Single-Photon Emission Computed Tomography (SPECT) Facilities; and Radiosurgery (Cyber-Knife) Suites.

#### **1224.39 OUTPATIENT SERVICE SPACE**

- Add Section 1224.39.5 Hyperbaric Therapy Service Space

# 1224.2 [OSHPD 1] SCOPE

## *1224.2 Application*

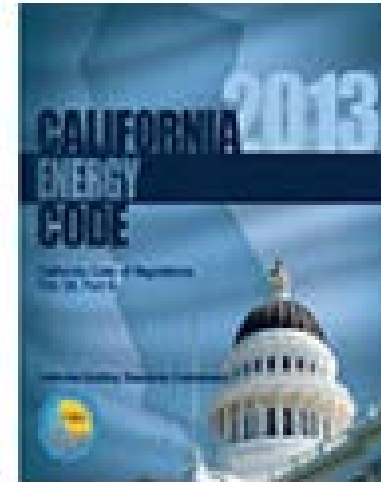
Added California Energy Code (Part 6) to the provisions of the CBSC with which health facilities must comply.

Also

## **CBC 101.4.6 Energy** (*Provisions of the California Energy Code*)

Repeal Exception for **[OSHPD 1, 2, & 4]**

Part 6 only excludes “I Occupancies”, other occupancies in mixed use buildings have always been required to comply by statute and by other parts of the CBSC.



# 1224.3 DEFINITIONS

## 1224.3 DEFINITIONS (Added applicability language)

### Clear dimension

### Location terminology

#### In

#### Directly accessible

#### Adjacent

#### Immediately accessible

#### Readily accessible

### Patient care locations

#### Bay (patient)

#### Cubicle

#### Patient care station

### Room





# 1224.4 GENERAL CONSTRUCTION

Sections relocated from 1224.14 (*NURSING SERVICE SPACE*) to  
*GENERAL CONSTRUCTION*

## *1224.4.4 Support areas for patient care*

### *1224.4.4.2 Administrative centers or nurse stations*

#### *1224.4.4.4 Medication station*

*1224.4.4.4.1 Medicine preparation room.*

*1224.4.4.4.2 Self-contained medication dispensing unit.*

#### *1224.4.4.5 Nourishment area*

#### *1224.4.4.6 Clean utility/work room*

*1224.4.4.6.1 Clean supply room.*

#### *1224.4.4.7 Soiled utility/work room*

*1224.4.4.7.1 Soiled holding room.*



# 1224.4 GENERAL CONSTRUCTION

*1224.4.6.3 Hyperbaric facilities. (Pointer to 1224.39.5)*

*Table 1224.4.6.1 Station Outlets (Med Gas)*

*Endoscopy procedure room*

*Hyperbaric suite*

*Interventional Imaging*

*Electroconvulsive Therapy room*

*1224.4.7 Corridors – Connections*

*1224.4.7.5.1 Departmental boundaries*

*1224.4.9.1 Windows (NICU clarification)*



# 1224.16 ANESTHESIA/RECOVERY SERVICE SPACE

Preoperative Section to be relocated from 1224.15  
to 1226

***1224.16.1 General (perioperative services)***

***1224.16.2 Preoperative patient care area***

***1224.16.3 Recovery and Post-Anesthesia Care Unit (PACU)***

***1224.16.5 Support areas for patient care***

Nurse station, clinical sink, medication station, ice, storage.

***1224.16.6 Support areas for staff***

***1224.16.7 Support areas for patients, families, and visitors.***

***1224.16.7.1 Waiting area.***

***1224.16.7.2 Patient change area.*** (If outpatient procedures provided)



# 1224.18 RADIOLOGICAL/DIAGNOSTIC IMAGING SERVICE SPACE

**1224.18** (Added General requirements of Imaging Service Space)

## **1224.18.2** *Interventional angiography procedures*

Pointer to interventional imaging requirements (1224.28.4) in Supplemental Surgery and Special Procedures

## **1224.18.3.2** *Intraoperative computerized tomography (CT)*

Pointer to hybrid operating rooms (1224.28.5) in Supplemental Surgery and Special Procedures

## **1224.18.4.6** *Intraoperative magnetic resonance imaging (MRI)*

Pointer to hybrid operating rooms (1224.28.5) in Supplemental Surgery and Special Procedures

# 1224.28 SUPPLEMENTAL SURGERY SERVICES

1224.28.4 *Interventional imaging.* (Image-guided interventional procedures performed in procedure rooms)

1224.28.4.1 *Space requirements*

1224.28.4.2 *Pre-procedure and recovery*

1224.28.4.3 *Interventional MRI facilities*

1224.28.4.4 *Control room or area*

1224.28.4.5 *Emergency response space*

1224.28.4.6 *Scrub facilities*

1224.28.4.7 *Medication station*

1224.28.4.8 *Reading room*

1224.28.4.9 *Electrical equipment room.*

1224.28.4.10 *Clean utility room*

1224.28.4.11 *Soiled workroom*

1224.28.4.12 *Housekeeping*

1224.28.4.13 *Staff changing areas*



# 1224.28 SUPPLEMENTAL SURGERY SERVICES

1224.28.5 Hybrid Operating Rooms (Surgical procedures supported by intraoperative imaging modalities)

1224.28.5.1 Space requirements

1224.28.5.2 Control room

1224.28.5.3 Imaging equipment room

1224.28.5.4 Radiation protection



1224.28.5.5 Requirements for specific types of hybrid operating rooms.

1224.28.5.5.1 CT (Interventional Computed Tomography)

1224.28.5.5.2 iMRI (Interventional MRI)

1224.28.5.5.3 Vascular imaging

1224.28.5.6 Pre-procedure and recovery

# 1224.28 SUPPLEMENTAL SURGERY SERVICES

## 1224.28.6 *Electroconvulsive Therapy* (ECT when provided)

### 1224.28.6.1 *General*

### 1224.28.6.2 *ECT procedure room*

### 1224.28.6.3 *Pre-procedure and recovery area*

### 1224.28.6.4 *Emergency equipment storage*

### 1224.28..5 *Patient support areas*



# 1224.33 EMERGENCY SERVICE

## *1224.33.1 Definition.*

Added language to the service space definition

Three levels of Emergency Medical Service:

Standby Emergency Medical Service, Physician on Call;

Basic Emergency Medical Service, Physician on Duty; and

Comprehensive Emergency Medical Service



# 1224.33.2 STANDBY EMERGENCY SERVICE

## *1224.33.2 Standby Emergency Medical Service*



# 1224.33.3 BASIC EMERGENCY SERVICE

*1224.33.3 Basic Emergency Medical Service. ... At a minimum, all the provisions of Standby Emergency Service under Section 1224.33.2 and the following shall be provided...*

# 1224.33.4 COMPREHENSIVE EMERGENCY SERVICE

1224.33.4 *Comprehensive Emergency Medical Service. ... At a minimum all the provisions of Basic Emergency Service under Section 1224.33.3 and all of the following shall be provided...*

1224.33.4.1 *Triage stations.*

1224.33.4.2 *Fast-track area.*

1224.33.4.3 *Pre-screening stations.*

1224.33.4.4 *Diagnostic service areas.*

1224.33.4.5 *Administrative center  
or nurse station.*

1224.33.4.6 *On-call rooms.*

1224.33.4.7 *Security station.*

1224.33.4.8 *Intensive care.*

1224.33.4.9 *Police and press room.*



# 1224.33 EMERGENCY SERVICE

## 1224.33.5 *Other space considerations*

### 1224.33.5.1 *Observation units.*



# 1224.34 NUCLEAR MEDICINE

## *1224.34.1.2 Nuclear medicine room*

### *1224.34.1.2.1 Scintigraphy (Gamma Camera) Facilities*

### *1224.34.1.2.2 Positron Emission Tomography (PET)*

### *1224.34.1.2.3 Single-Photon Emission Computed Tomography (SPECT) Facilities*

## *1224.34.2 Support areas for nuclear medicine services*

### *1224.34.2.6 Pre-procedure/ Holding Area*

### *1224.34.2.14 Hot lab for Scintigraphy, PET, and SPECT*



# 1224.34 NUCLEAR MEDICINE

## *1224.34.3 Radiotherapy service space*

*1224.34.3.3 Room sizes* (Clarified criteria)

## *1224.34.5 Additional support areas for cobalt room*

*1224.34.5.1 Hot lab* (Added pointer)

## *1224.34.6 Radiosurgery suite* (Gamma knife & Cyber knife)

*1224.34.6.1 General*

*1224.34.6.2 Radiosurgery treatment rooms*

*1224.34.6.3 Pre-procedure/recovery accommodations*

*1224.34.6.4 Support areas for radiosurgery treatment rooms*

# 1224.39 OUTPATIENT SERVICE SPACE

1224.39.5 HYPERBARIC THERAPY SERVICE SPACE (Oxygen therapy service)

1224.39.5.1 General

1224.39.5.2 Hyperbaric chambers

1224.39.5.2.1 Class A chamber  
(multi-place facilities)

1224.39.5.2.2 Class B chamber  
(mono-place facilities)

1224.39.5.3 Pre-procedure patient holding area(s)

1224.39.5.4 Medical gas station outlets

1224.39.5.5 Support areas for the hyperbaric suite

1224.39.5.6 Support areas for staff

1224.39.5.7 Support areas for patients



# 1225 [OSHPD 2] SKILLED NURSING FACILITIES

## *1225.5.1 MEDICAL MODEL*

### *1225.5.1.2 NURSING SERVICE SPACE*

*1225.5.1.2.1 Patient bedrooms.* (Amend language to agree with language in 1224.14)



# 1226 [OSHPD 3] CLINICS

## *1226.5 OUTPATIENT SERVICES OF A HOSPITAL*

*1226.5.14 Hyperbaric therapy service space* (Point to same sections in Section 1224.39.5)

*1226.5.14.1 General*

*1226.5.14.2 Treatment area*

*1226.5.14.3 Hyperbaric chambers*

*1226.5.14.4 Pre-operative patient holding (areas)*

*1226.5.14.5 Medical gas station outlets*

*1226.5.14.6 Support areas for the hyperbaric suite*

*1226.5.14.7 Support areas for staff*

*1226.15.14.8 Support areas for patients*



# 1226 [OSHPD 3] CLINICS

## *1226.6 PRIMARY CARE CLINICS*

### *1226.6.1.3 Dental examination and treatment areas*

*1226.6.1.3.1 Area*

*1226.6.1.3.2 Pediatric patients*

*1226.6.1.3.3 Handwashing*

*1226.6.1.3.4 Imaging*

*1226.6.1.4 Oral surgery*

*1226.6.2.6 Sterilization area*

*1226.6.2.7 Laboratory*



# 1226 [OSHPD 3] CLINICS

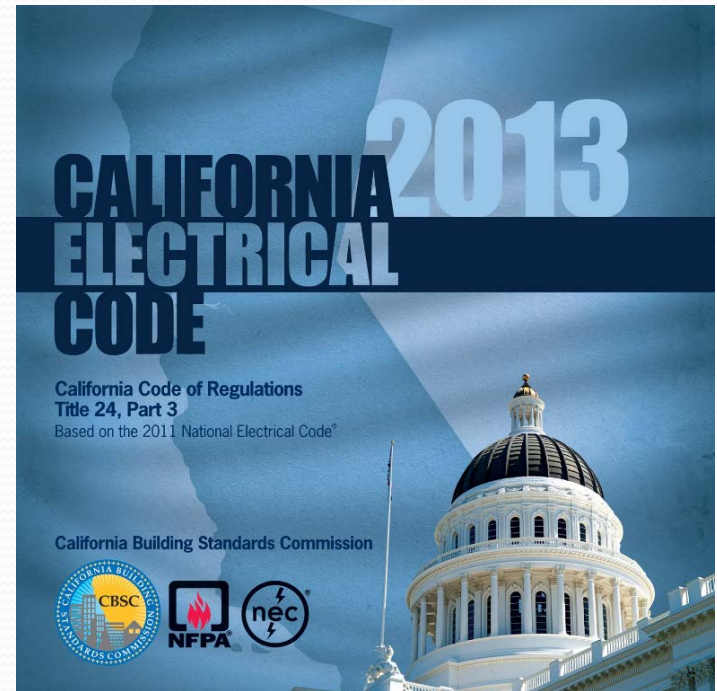
## *1226.8 SURGICAL CLINICS*

*1226.8.1.2 Perioperative services* (Pointer to revised Section 1224.16)



# Title 24 – Part 3

## California Electrical Code



# Article 352 Rigid Polyvinyl Chloride Conduit

## **352.12. Uses Not Permitted.**

Repeal restriction for [OSHDPD 1, 2, 3 & 4]

Inadvertently added to the 2010 CEC

Not necessary

# Article 517 Health Care Facilities

## **517.2 Definitions**

### **Patient Care Space**

Amended to respond to changes in the NEC

## **517.19 (B) Critical Care Areas – Patient Bed Locations**

### **Receptacles**

Repealed – no longer necessary due to changes in the NEC

## **517.30 (B) Essential Electrical Systems for Hospitals –**

### **General**

Renumbering and editorial changes due to changes in the NEC

# Article 517 Health Care Facilities

## 517.30 (D) Essential Electrical Systems for Hospitals – Capacity of Systems

Editorial changes due to changes in the NEC

## *517.123 [OSHPD 1, 2, 3, &4] Call system.*

### *(B) Patient Stations*

Added Exception that two-way voice communication is not required at skilled nursing bed locations

# Article 700 Emergency Systems

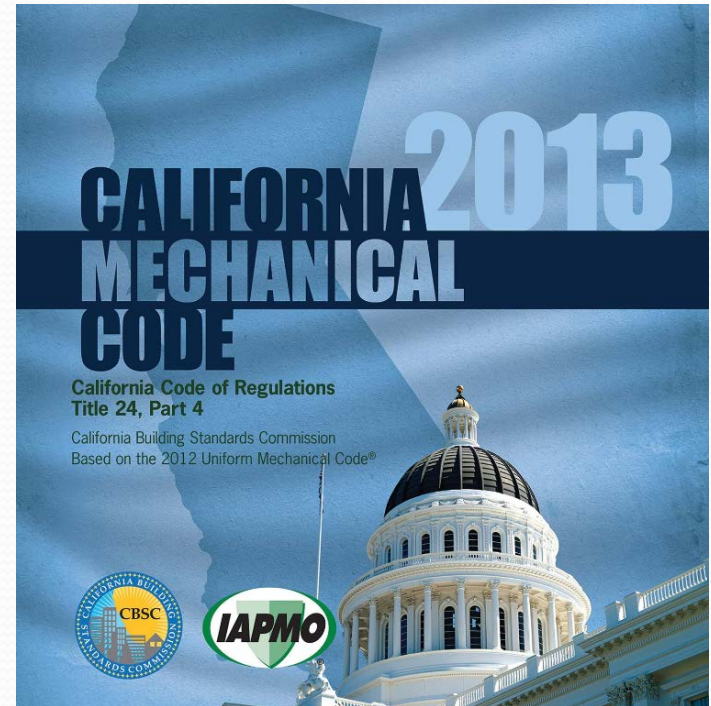
## **700.3 Tests and Maintenance**

### **(A) Conduct or Witness Test.**

Renumbering Editorial changes due to changes in the NEC  
Specific editions of NFPA 99 & NFPA 110 repealed for  
consistency with CBC Reference Standards

# Title 24 – Part 4

## California Mechanical Code





# Chapter 3 General Requirements

## Numerous sections

Renumbering due to changes in the UMC

~~325.1.1~~ 320.1.1 (*Air Conditioning and Heating systems*)

Added requirement for humidifiers to use dry steam

~~325.1.2~~ 320.1.2 (RE: area heating not shown on Table 325.0 320.0)

Revised ASHRAE references to “most recent edition)

~~325.1.3~~ 320.1.3 (RE: area cooling not shown on Table 325.0 320.0)

Revised ASHRAE references to “most recent edition)

*Table ~~325.0~~ 320.0 Heating, Cooling & Relative Humidity*

Revised Table to reflect revisions made to ASHRAE 170

# Chapter 4 Ventilation Air Supply

## *Various Sections*

Removed the edition year from ASHRAE standard references

### **407.4.1.4** (*Air Circulation*)

Added allowance for plenum return in OSHPD 3 facilities in certain areas not requiring a pressure relationship.

### **408.1.5** (*Filters*)

Added reference to ASHRAE Handbook for “dry steam.”

### **410.4** (*Laboratory Ventilating systems and Hoods*)

Added restriction of fire/smoke dampers in hood exhaust

### **Table 4-A & 4-B** (*Pressure/Ventilating req's and Filter req's*)

Added Hybrid O.R., ECT, and Interventional Imaging rooms

# Chapter 6 Duct Systems

## *Various Sections*

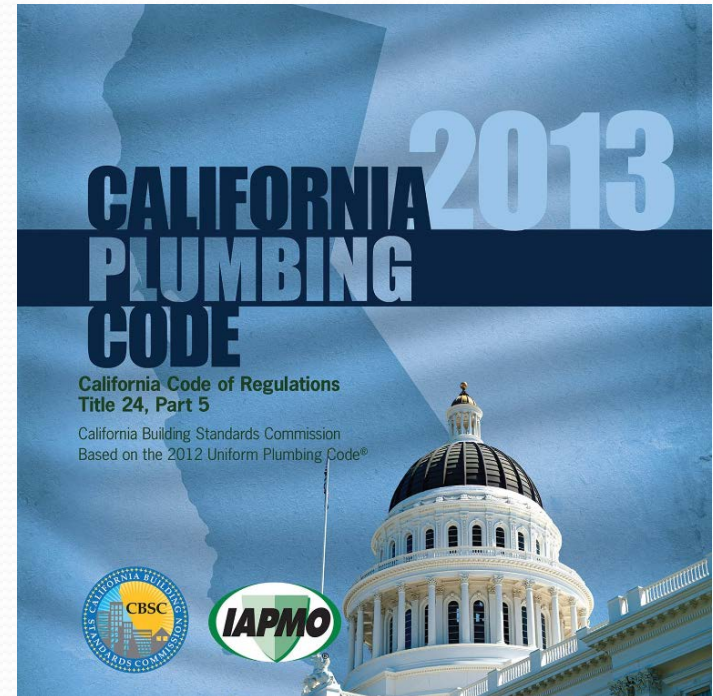
Minor editorial changes

## ~~602.3.1~~ 602.6.1 *Flexible Ducts*

Renumbering due to changes in the UPC

# Title 24 – Part 5

## California Plumbing Code



# Chapter 3 General Requirements

## 310.0 Prohibited Fittings and Practices

**310.10.** *Added: ... Handwashing fixtures shall not be installed in operating and delivery rooms.*

## 320.0 Essential Plumbing Provisions [OSHPD 1, 2, 3 (surgical clinics) & 4]

320.1 Domestic water booster pumps

320.2 Domestic hot water circulating pumps

320.3 Sewer ejector pumps

320.4 Sump pumps and drainage pumps

320.5 Domestic water heating equipment and controls

320.6 Fuel pumps

320.7 Grease removal devices requiring electric power

# Chapter 4 Plumbing Fixtures & Fittings

## 403.3 Urinals

~~412.1.1~~ ~~403.3.1~~ **Nonwater Urinals.** Repealed exception for [OSHPD 1, 2, 3, & 4] Renumbering due to changes in the UPC

~~413.3.2~~ **Flushometer Valves.** Renumbering due to changes in the UPC

## 422.1 Fixture Count

~~422.1.1~~ *Separate Facilities...* Renumbering due to changes in the UPC

## Table 4-2

Added footnote 2 (conventional spouts & controls) to Dialysis Patient toilet.

# Chapter 6 Water Supply & Distribution

## **604.1 Pipe, Tube, and Fittings.**

Repealed exclusion of CPVC

## **~~605.3.3.2~~ 605.1.3.2 Pressed Fittings.**

Repealed exception for [*OSHPD 1, 2, 3, & 4*]

## **614.0 *Dialysis Water-Distribution Systems***

*Branch lines may be Perfluoroalkoxy (PFA)*

# Chapters 7, 9, & 11 RE: ABS & PVC

~~701.1~~ 701.2 (Sanitary) Drainage Piping.

Repealed exclusion of ABS and PVC

~~903.1.3~~ (Vent Piping – Materials - Stds) [~~OSHPD 1, 2, 3, & 4~~].

Repealed exclusion of ABS and PVC

~~1101.3.2 & 1102.1.3~~ (Storm Drainage – General & Materials)

Repealed exclusion of ABS and PVC



# 2015 CBSC Rulemaking Cycle (2016 Building Code)

9/1/14 – 4/30/15

*Pre-cycle workshops and outreach*

5/1/15 – 5/29/15

*Initial submittal & CBSC review*

7/15/15 – 8/15/15

*Code Advisory Committee meeting*

8/14/15 – 11/23/15

*45-day Public Comment Period*

11/15/15

*Final Documents to CBSC*

12/15/15 – 1/20/16

*Adoption/Approval*

1/1/16 – 7/1/16

*Publication Period*

7/1/16

*Publication date*

7/1/16 – 1/1/17

*180-Day transition period*

1/1/17

*Effective Date*