

SECTION 1704.1 — GENERAL

Chapter 17

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Section 1704.1:

Revise Exception 3 as follows:

3. The special inspections and verifications for foundation concrete, other than cast-in-place drilled piles or caissons, are not required for occupancies in Group R-3 and occupancies in Group U that are accessory to a residential occupancy including, but not limited to, those listed in Section 312.1.

This exception shall not apply to foundations serving as retaining walls of soil over 5 feet (1829 mm) in height measured from the base of the foundation, or the structural design of the footing based on a specified compressive strength, f'_c , greater than 2,500 pounds per square inch (psi) (17.2 MPa), regardless of the compressive strength specified in the construction documents or used in the footing construction.

NOTE : THE ABOVE ITEM IS REPLACED BY THE FOLLOWING SECTIONS:

COMMENT 1:

Name: David Leung-DBI

Date: March 9, 2010

Comments/Findings:

Chapter 17

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Section 1704.1:

Revise Exception 3 as follows:

3. The special inspections and verifications for foundation concrete, other than cast-in-place drilled piles or caissons, are not required for occupancies in Group R-3 not regulated by the San Francisco Residential Code and occupancies in Group U that are accessory to a residential occupancy not regulated by the San Francisco Residential Code including, but not limited to, those listed in Section 312.1.

This exception shall not apply to foundations serving as retaining walls of soil

over 5 feet (1829 mm) in height measured from the base of the foundation, or the structural design of the footing based on a specified compressive strength, f_c , greater than 2,500 pounds per square inch (psi) (17.2 MPa), regardless of the compressive strength specified in the construction documents or used in the footing construction.

[Note: To carryover 2007 San Francisco Amendments to CBC to 2010 San Francisco Amendments to CBC.

Recommend to be brought to the full CAC committee for further action.]

Add the following Section:

SECTION R109: INSPECTIONS.

R109.1: Types of inspections.

R109.1.5: Other inspections.

Section R109.1.5.2: Structural tests and special inspections.

Provisions of Chapter 17 of 2010 San Francisco Building Code shall apply to detached one- and two-family dwellings and townhouses not more than three stories above grade plans in height with a separate means of egress and their accessory structures.

Exception: The special inspections and verifications for foundation concrete, other than cast-in-place drilled piles or caissons, are not required for detached one- and two-family dwellings and townhouses not more than three stories above grade plans in height with a separate means of egress and their accessory structures.

This exception shall not apply to foundations serving as retaining walls of soil over 5 feet (1829 mm) in height measured from the base of the foundation, or the structural design of the footing based on a specified compressive strength, f_c , greater than 2,500 pounds per square inch (psi) (17.2 MPa), regardless of the compressive strength specified in the construction documents or used in the footing construction.

[Note: To carryover 2007 San Francisco Amendments to CBC to 2010 San Francisco Amendments to CRC.

Recommend to be brought to the full CAC committee for further action.]

Place an X in	Retain as is:	Update as noted:	Revise:	Delete:
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one of the following:			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

COMMENT 2:

Name: CAC Structural Subcommittee

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

COMMENT 3:

Name: Code Advisory Committee

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

SECTION 1704 — SPECIAL INSPECTIONS

Chapter 17
STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Section 1704.5 Masonry Construction.

Add the following section:

Section 1704.5.4. Exterior facing. During fastening of all exterior veneer and ornamentation facing units constructed of concrete, masonry, stone or similar materials, and all curtain walls weighing more than 15 pounds per square foot (73.23 kg/m²) of wall.

EXCEPTIONS:

1. Veneers weighing less than 5 pounds per square foot (24.46 kg/m²) located less than 15 feet (4.57 m) above grade.
2. Anchored veneer located less than 10 feet (3.048 m) above grade.

Add the following section:

Section 1704.5.5. Retrofit of unreinforced masonry bearing wall buildings.

1 During the testing of mortar quality and performance of masonry shear tests in accordance with Section 1614C when required by Sections 1606C.3.3 and 1607C.2.

2 During repointing operations in accordance with Section 1616C when required by Sections 1606C.3.3.7 and 1607C.1.

3 During the installation of new shear bolts when required by the exception to Section 1607C.4.

4 Prior to the placement of the bolt and grout or adhesive for embedded bolts as required by Section 1607C.4.

5 During the prequalification tests in accordance with Section 1615C.3 as permitted by Footnote 8 to Table 16C-E.

Add the following section:

1704.15 Demolition. Demolition of buildings more than two stories or 25 feet

(7.62 m) in height. See Section 3307.4 for demolition requirements.

EXCEPTION: Type V buildings.

Add the following section:

1704.16 Bolts installed in existing masonry or concrete. Except for through bolts with plate washers conforming to Table 16C-E, bolts that are newly installed in existing masonry or concrete shall be tested in accordance with Section 1615C. The number and type of tests required shall be the same as required by Section 1607C.

Add the following section:

1704.17 Shear walls and floor systems used as shear diaphragms. All connections, including nailing, tiedowns, framing clips, bolts and straps, for those parts of a lateral force resisting system utilizing the following components:

1 Plywood diaphragms, where shear values exceed 2/3 the values in Tables 2306.3.1 and 2306.3.2.

2 Double sheathed shear walls, in all cases.

3 Plywood shear walls, wherever nailing or hardware are not visible to the district inspector at the time of cover-up inspection.

If nailing is not visible to the inspector at the called inspection, or if the special inspector has not inspected the work prior to the concealment, all work concealing such nailing shall be removed in order to permit a complete inspection.

4 Gypsum wallboard shearwalls where shear values exceed one-half of the values permitted by Footnote a of Table 2306.4.5.

5 Fiberboard shearwalls where shear values exceed one-half of the values in Table 2306.4.4.

6 Particle-board diaphragms, where shear values exceed one-half of the values in Table 2306.4.3.

Add the following section:

1704.18 Construction of a new building or structure, or alterations that involve a substantial increase in the envelope of an existing building or structure within the Edgemoor Mountain Slope Protection Area, created by

Building Code Section 106.4.1.2, or the Northwest Mt. Sutro Slope Protection Area, created by Building Code Section 106.4.1.3; provided, however, that, until the special inspection reports required by Building Code Section 1704.1.2 are submitted to and approved by the Department, the phase of construction subsequent to the phase or element for which the report was completed cannot commence.

NOTE : THE ABOVE ITEMS ARE REPLACED BY THE FOLLOWING SECTIONS :

COMMENT 1:

Name: David Leung-DBI
Date: March 9, 2010

Comments/Findings:

Chapter 17
STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Section 1704.5 Masonry Construction.

Revise the following section:

Section 1704.5. Masonry Construction. Masonry construction shall be inspected and verified in accordance with the requirements of Section 1704.5.1 through 1704.5.3 . 1704.5.5, depending on the occupancy category of the building or structure.

Add the following section:

Section 1704.5.4. Exterior facing. During fastening of all exterior veneer and ornamentation facing units constructed of concrete, masonry, stone or similar materials, and all curtain walls weighing more than 15 pounds per square foot (73.23 kg/m^2) of wall.

EXCEPTIONS:

1. Veneers weighing less than 5 pounds per square foot (24.46 kg/m^2) located less than 15 feet (4.57 m) above grade.
2. Anchored veneer located less than 10 feet (3.048 m) above grade.

Add the following section:

Section 1704.5.5. Retrofit of unreinforced masonry bearing wall buildings.

1 During the testing of mortar quality and performance of masonry shear tests in accordance with Section 1614C when required by Sections 1606C.3.3 and 1607C.2.

2 During repointing operations in accordance with Section 1616C when required by Sections 1606C.3.3.7 and 1607C.1.

3 During the installation of new shear bolts when required by the exception to Section 1607C.4.

4 Prior to the placement of the bolt and grout or adhesive for embedded bolts as required by Section 1607C.4.

5 During the prequalification tests in accordance with Section 1615C.3 as permitted by Footnote 8 to Table 16C-E.

Add the following section:

~~1704.15~~ 1704.17 Demolition. Demolition of buildings more than two stories or 25 feet (7.62 m) in height. See Section 3307.4 for demolition requirements.

EXCEPTION: Type V buildings.

Add the following section:

~~1704.16~~ 1704.18 Bolts installed in existing masonry or concrete. Except for through bolts with plate washers conforming to Table 16C-E, bolts that are newly installed in existing masonry or concrete shall be tested in accordance with Section 1615C. The number and type of tests required shall be the same as required by Section 1607C.

Add the following section:

~~1704.17~~ 1704.6.3 Shear walls and floor systems used as shear diaphragms. All connections, including nailing, tiedowns, framing clips, bolts and straps, for those parts of a lateral force resisting system utilizing the following components:

1 Plywood diaphragms, where shear values exceed 2/3 the values in Tables 2306.3.1 and 2306.3.2.

2 Double sheathed shear walls, in all cases.

3 Plywood shear walls, wherever nailing or hardware are not visible to the district inspector at the time of cover-up inspection.

If nailing is not visible to the inspector at the called inspection, or if the special inspector has not inspected the work prior to the concealment, all work concealing such nailing shall be removed in order to permit a complete inspection.

4 Gypsum wallboard shearwalls where shear values exceed one-half of the values permitted by Footnote a of Table 2306.4.5.

5 Fiberboard shearwalls where shear values exceed one-half of the values in Table 2306.4.4.

6 Particle-board diaphragms, where shear values exceed one-half of the values in Table 2306.4.3.

Add the following section:

~~1704.18~~ 1704.19 Construction of a new building or structure, or alterations that involve a substantial increase in the envelope of an existing building or structure within the Edgehill Mountain Slope Protection Area, created by Building Code Section 106.4.1.2, or the Northwest Mt. Sutro Slope Protection Area, created by Building Code Section 106.4.1.3; provided, however, that, until the special inspection reports required by Building Code Section 1704.1.2 are submitted to and approved by the Department, the phase of construction subsequent to the phase or element for which the report was completed cannot commence.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

COMMENT 2:

Name: CAC Structural Subcommittee

Date: March 9, 2010

Comments/Findings:

Approved and forwarded to full CAC committee.

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 3:

Name: Code Advisory Committee

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

SECTION 1704.19 — CRANE SAFETY

Chapter 17

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Add the following section:

1704.19 Crane Safety. No owner or other person shall operate, authorize or permit the operation of a tower crane on a high-rise building structure until a signed Crane Site Safety Plan, Submittal Form and Crane Safety Compliance Agreement have been accepted by the Building Official.

NOTE : THE ABOVE SECTION IS REPLACED BY THE FOLLOWING SECTION :

COMMENT 1:

Name: David Leung-DBI

Date: March 9, 2010

Comments/Findings:

Chapter 17

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Add the following section:

~~1704.19~~ 1704.20 Crane Safety. No owner or other person shall operate, authorize or permit the operation of a tower crane on a high-rise building structure until a signed Crane Site Safety Plan, Submittal Form and Crane Safety Compliance Agreement have been accepted by the Building Official.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in

Retain as is:

Update as noted:

Revise:

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one of the following:			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 2:

Name: CAC Structural Subcommittee
Date: March 9, 2010.

Comments/Findings:
Approved and forwarded to full CAC committee.

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 3:

Name: Code Advisory Committee
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

SECTION 1704.13— Special Cases

Chapter 17

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Section 1704.13. Special cases

Add this item as follows:

4. Work which, in the opinion of the Building Official, involves unusual hazards or conditions such as underpinning, shoring, removal of hazardous materials and new construction methods not covered by this code.

***NOTE : THE ABOVE ITEM IS REPLACED BY THE FOLLOWING
ITEM :***

COMMENT 1:

Name: David Leung-DBI

Date: February 9, 2010

Comments/Findings:

Chapter 17

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SECTION 1704 — SPECIAL INSPECTIONS

Section ~~1704.13~~ 1704.15. Special cases

Add this item as follows:

4. Work which, in the opinion of the Director, involves unusual hazards or conditions such as underpinning, shoring, removal of hazardous materials and new construction methods not covered by this code.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in

Retain as is:

Update as noted:

Revise:

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one of the following:			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	
COMMENT 2:				
Name: CAC Structural Subcommittee Date: March 9, 2010.				
Comments/Findings: Approved and forwarded to full CAC committee.				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 3:				
Name: Code Advisory Committee Date:				
Comments/Findings:				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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CHAPTER 18 — SOILS AND FOUNDATIONS				
No San Francisco Building Code Amendments.				
COMMENT 1:				
Name: Date:				
Comments/Findings:				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Name: Date:				
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Index keywords:				
COMMENT : TSD Analysis				
Name: Date:				
Comments/Findings:				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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CHAPTER 19 — CONCRETE

No San Francisco Building Code Amendments.

COMMENT 1:

Name:
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

COMMENT 2:

Name:
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

Index keywords:

COMMENT : TSD Analysis

Name:
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

CHAPTER 20 — ALUMINUM

No San Francisco Building Code Amendments.

COMMENT 1:

Name:
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

COMMENT 2:

Name:
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Index keywords:

COMMENT : TSD Analysis

Name:
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

SECTION 2103 — MASONRY CONSTRUCTION MATERIALS

Add the following new section:

Section 2103.13.5 Anchors, ties and accessories.

2103.13.5.1 Expansion bolts. Expansion bolts subject to tension are not approved for use in existing brick or ungrouted block masonry.

NOTE : THE ABOVE SECTION IS REPLACED BY THE FOLLOWING SECTION :

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

Add the following new section:

Section 2103.13 Metal reinforcement and accessories.

2103.13.1 Expansion bolts. Expansion bolts subject to tension are not approved for use in existing brick or ungrouted block masonry.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 2:

Name: CAC Structural Subcommittee
Date:

Comments/Findings:				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 3:				
Name: Code Advisory Committee				
Date:				
Comments/Findings:				
Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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CHAPTER 22 — STEEL

No San Francisco Building Code Amendments.

COMMENT 1:

Name:

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

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Name:

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

Index keywords:

COMMENT : TSD Analysis

Name:

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	

SECTION 2304 — GENERAL CONSTRUCTION REQUIREMENTS

COMMENT 1:

Name: David Leung-DBI

Date: February 9, 2010

Comments/Findings:

2304.11.2.6 Add the following second paragraph:

Walls not accessible for maintenance shall have exterior covering of siding or plywood that are either treated wood or wood of natural resistance to decay. Plywood shall be exterior type, C-C Grade minimum, and not less than 1/2-inch (12.7 mm) thickness unless applied over sheathing. Plywood manufactured with redwood or cedar faces but with inner plies of other species conforming to DOC Standard PS1-95 may be used, provided the exposed outer face is plugged and not grooved or patterned.

2304.11.4.2 Replace this section with the following:

2304.11.4.2 Wood structural members. Wood structural members that support moisture permeable floors or roofs that are exposed to the weather, such as concrete or masonry slabs, shall be of naturally durable or preservative-treated wood unless separated from such floors or roofs by an impervious moisture barrier **extending up the walls not less than 4 inches (101.6 mm) or shall otherwise be adequately flashed and counterflashed.**

2304.11.4.2 Add the following 2nd paragraph and exception:

Regardless of finish flooring type or structural materials, the wood sub-floor of toilet rooms and bathrooms shall be protected by a waterproof membrane. Where a single ply sheet membrane is used, all adhesives shall be of a waterproof type and shall be applied so as to form a full unbroken coat between the backing and the membrane being applied. All seams and joints shall be thoroughly sealed.

Exception: Interior floors in Group R, Division 3 Occupancies.

2304.11.5 Add the following 2nd paragraph with exception, and 3rd paragraph:

Weather-exposed stairways constructed with concrete, masonry, brick, tile or terrazzo shall be supported on hot-dipped galvanized steel or reinforced concrete stringers.

EXCEPTION: In Group R, Division 3 Occupancies, wood construction on masonry or concrete foundations may be used as supports, and the area under the stair shall be ventilated in compliance with 2304.11.9.

Weather-exposed stairs of precast concrete or metal pan treads may be supported on wood stringers, provided the entire stairway is exposed and the treads are connected to the stringers by hot-dipped galvanized steel or other approved corrosion-resistant fasteners.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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COMMENT 2:

Name: CAC Structural Subcommittee

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 3:

Name: Code Advisory Committee

Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

SECTION 3201 — GENERAL

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

SECTION 3201 – GENERAL

3201.4 Revise this section as follows:

3201.4 Drainage. Drainage water collected from a roof, awning, canopy, or marquee, and condensate from mechanical equipment shall **be conducted to the building drain or building sewer, and shall not flow over a public walking surface.**

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
			X	
Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

COMMENT 2:

Name: CAC Structural Subcommittee
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 3:

Name: Code Advisory Committee
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
			X	

SECTION 3202 – ENCROACHMENTS

COMMENT 1:

**Name: David Leung-DBI
Date: February 9, 2010**

Comments/Findings:

SECTION 3202 – ENCROACHMENTS

3202.3.1 Replace this section as follows:

3202.3.1 Awnings, canopies, marquees and signs. Awnings, canopies, marquees and signs shall be constructed so as to support applicable loads as specified in Chapter 16. **Canopies shall be allowed only over entrance doorways and only for Occupancy Groups A, B, F-1, M, S-1, S-2 and R. Canopies may be constructed as awnings and with the same limitations except that:**

1. The maximum width shall be 10 feet (3.048 m); and
2. The maximum extension over public sidewalk may be to a point 2 feet (0.61 m) from the curb; and
3. The outer column support shall be located in the outer one-third of the sidewalk.

3202.3.2 Replace this section as follows:

3202.3.2 Windows, balconies, architectural features and mechanical equipment.

A 3-foot (0.914 m) projection shall be permitted for bay and oriel windows when the clearance above grade is at least 10 feet (3.048 m) and the width of the sidewalk is greater than 9 feet (2.74 m). Where the sidewalk width is 9 feet (2.74 m) or less, the projection shall not exceed 2 feet (0.61 m).

For all other appendages, a 2-foot (0.61 m) projection is permitted when the clearance above grade is at least 10 feet (3.048 m). The projection may be increased 1 inch (25.4 mm) for each additional foot of clearance over 10 feet (3.048 m), to a maximum of 4 feet (1.219 m).

3202.3.4 Add the following after the first paragraph as follows:

A covered pedestrian walkway may be constructed over a street between buildings of only Types I-A and I-B construction. Permission from the Board of Supervisors and approval of the Department of Public Works and Planning Commission is required. The pedestrian walkway shall comply with the following conditions:

1. The pedestrian walkway shall be equipped with an automatic sprinkler system. The supporting structure shall be three-hour fire-resistive construction. Columns located within 8 feet (2.438 m) of the curb, or otherwise vulnerable to vehicle impact, shall either be designed for such impact or protected from the impact.
2. The openings in the exterior walls of the buildings at the ends of the pedestrian walkway shall be protected by 1½ hour fire assemblies.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action,]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Place an X in one of the following:	More Restrictive:	Less Restrictive:	Neither more nor less:	
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COMMENT 2:

Name: CAC Structural Subcommittee
Date:

Comments/Findings:

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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COMMENT 3:

Name: Code Advisory Committee
Date:

Comments/Findings:

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SECTION 3203 – SIDEWALK CONSTRUCTION

COMMENT 1:

Name: David Leung-DBI

Date: February 9, 2010

Comments/Findings:

3203 Add a new section as follows:

SECTION 3203 – SIDEWALK CONSTRUCTION

3203.1 General. Sidewalks shall be constructed in accordance with the Public Works Code.

Sidewalks over excavated areas shall be supported on noncombustible construction with 3-hour fire-rated protection. The sidewalk shall be waterproofed by use of a hot mopped asphalt membrane or other approved means.

3203.2 Openings in Sidewalks.

3203.2.1 Sidewalk trapdoor. Every basement extending under the sidewalk shall have an approved sidewalk trapdoor. The minimum size of the trapdoor opening shall be 4 feet by 4 feet (1.219 m by 1.219 m). However, trapdoors shall not be required where the basement is provided with an automatic sprinkler system.

3203.2.2 Sidewalk elevators. All openings hereafter constructed in sidewalks for sidewalk elevators shall be located in the outer half of the sidewalks, next to the curb. The outer edges of the openings shall be not more than 30 inches (762 mm) from the outer line of the curb. The length of the sides of the openings at right angles to the curb shall not exceed one-half of the width of the sidewalk and in no case shall it exceed 5 feet (1.524 m).

3203.2.3 Any other purpose. Openings on the sidewalks for any other purpose, if placed outside the property line, shall be covered with approved gratings having a maximum opening between bars of ½ inch (12.7 mm), or with covers having a rough surface, and rabbeted flush with the sidewalk. When a cover is placed in any sidewalk, it shall be placed as near as practicable to the line of the curb. All spaces under sidewalks shall be thoroughly ventilated.

3203.2.4 Framing. All framing supporting only the sidewalk opening shall be of noncombustible material.

3203.2.5 Guards. Metal guards will be required for openings in sidewalks in accordance with the Police Code.

3203.3 Electrical Transformers. No portion of any electrical transformer pad shall be constructed, nor electrical transformer installed on the surface of any portion of any public sidewalk.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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COMMENT 2:

Name: CAC Structural Subcommittee
Date:

Comments/Findings:

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SECTION 3302 – CONSTRUCTION SAFEGUARDS

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:
SECTION 3302 – CONSTRUCTION SAFEGUARDS

3302 Add a new section as follows:

3302.3 Fencing. Provide for the enclosing, fencing, and boarding up or by fire watch or other means of preventing access to the site by unauthorized persons when work is not in progress.
 [Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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SECTION 3303 – DEMOLITION

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:
SECTION 3303 – DEMOLITION

3303.1 Add new sections as follows:

3303.1.1 Buildings other than Type V. The demolition of structures of Types I, II, III and IV construction greater than two stories or 25 feet (7.62 m) in height shall comply with the requirements of this section.

The requirements of this section shall also apply to the demolition of post-tensioned and pre-tensioned concrete structures.

3303.1.2 Required plans. Prior to approval of an application for a demolition permit, two sets of detailed plans shall be submitted for approval, showing the following:

- 1. The sequence of operation floor by floor, prepared by a registered civil engineer or licensed architect.**
- 2. The location of standpipes.**
- 3. The location and details of protective canopies.**
- 4. The location of truck crane during operation.**
- 5. Any necessary fence or barricade with lights.**
- 6. Any floor or wall left standing.**
- 7. The schedule of the days when the demolition will be done, i.e., on weekdays or on Sundays.**

3303.4 Replace this section with the following:

3303.4 Vacant Lot. When a building is demolished, the permittee must remove all debris and remove all parts of the structure above grade except those parts that are necessary to provide support for the adjoining property.

3303.7 Add a new section as follows:

3303.7 Special inspection. A registered civil engineer or licensed architect shall supervise the demolition work in accordance with rules and regulations adopted by the Building Official pursuant to Section 104A.2.1 to assure the work is proceeding in a safe manner and shall submit written progress reports to the Department in accordance with Section 1701.3.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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COMMENT 2:

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Date:

Comments/Findings:

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SECTION 3304 – SITE WORK

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:
SECTION 3304 – SITE WORK

3304.1 Add a second paragraph as follows:

The City and County of San Francisco adopts Appendix J for the purpose of regulating excavation and grading.

3304.1 Add a third paragraph as follows:

Temporary wood shoring and forms. All wood used for temporary shoring, lagging or forms that will be backfilled against or otherwise left permanently in place below grade shall be treated wood as defined in Section 2302.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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SECTION 3306 – PROTECTION OF PEDESTRIANS

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

SECTION 3306 – PROTECTION OF PEDESTRIANS

3306.10 Add a new section as follows:

3306.10 Chutes. Chutes for the removal of materials and debris shall be provided in all parts of demolition operations that are more than 20 feet (6.096 m) above the point where the removal of material is effected. Such chutes shall be completely enclosed. They shall not extend in an unbroken line for more than 25 feet (7.62 m) vertically but shall be equipped at intervals of 25 feet (7.62 m) or less with substantial stops or offsets to prevent descending material from attaining dangerous speeds.

The bottom of each chute shall be equipped with a gate or stop with a suitable means for closing or regulating the flow of material.

Chutes, floors, stairways and other places affected shall be watered sufficiently to keep down the dust.

3306.11 Add a new section as follows

3306.11 Falling Debris. Wood or other construction materials shall not be allowed to fall in large pieces onto an upper floor. Bulky materials, such as beams and columns, shall be lowered and not allowed to fall.

3306.12 Add a new section as follows

3306.12 Structure Stability. In buildings of wood frame construction, the supporting structure shall not be removed until the parts of the structure being supported have been removed.

In buildings with basements, the first floor construction shall not be removed until the basement walls are braced to prevent overturning, or an analysis acceptable to the Building Official is submitted which shows the walls to be stable without bracing.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in

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SECTION 3307 – PROTECTION OF ADJOINING PROPERTY

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

SECTION 3307 – PROTECTION OF ADJOINING PROPERTY

3307.1 Insert a note at the end of this section as follows:

3307.1 Protection Required. Adjoining public and private property shall be protected from damage during construction, remodeling and demolition work. Protection must be provided for footings, foundations, party walls, chimneys, skylights, and roofs. Provisions shall be made to control water runoff and erosion during construction or demolition activities. The person making or causing an excavation to be made shall provide written notice to the owners of adjoining buildings advising them that the excavation is to be made and that the adjoining buildings should be protected. Said notification shall be delivered not less than 10 days prior to the scheduled starting date of the excavation.

Note: Other requirements for protection of adjacent property of adjacent and depth to which protection is requested are defined by California Civil Code Section 832, and is reprinted herein for convenience.

Section 832. Each coterminous owner is entitled to the lateral and subjacent support which his land receives from the adjoining land, subject to the right of the owner of the adjoining land to make proper and usual excavations on the same for purposes of construction

or improvement, under the following conditions:

1. Any owner of land or his lessee intending to make or to permit an excavation shall give reasonable notice to the owner or owners of adjoining lands and of buildings or other structures, stating the depth to which such excavation is intended to be made, and when the excavating will begin.

2. In making any excavation, ordinary care and skill shall be used, and reasonable precautions taken to sustain the adjoining land as such, without regard to any building or other structure which may be thereon, and there shall be no liability for damage done to any such building or other structure by reason of the excavation, except as otherwise provided or allowed by law.

3. If at any time it appears that the excavation is to be of a greater depth than are the walls or foundations of any adjoining building or other structure, and is to be so close as to endanger the building or other structure in any way, then the owner of the building or other structure must be allowed at least 30 days, if he so desires, in which to take measures to protect the same from any damage, or in which to extend the foundations thereof, and he must be given for the same purposes reasonable license to enter on the land on which the excavation is to be or is being made.

4. If the excavation is intended to be or is deeper than the standard depth of foundations, which depth is defined to be a depth of nine feet below the adjacent curb level, at the point where the joint property line intersects the curb and if on the land of the coterminous owner there is any building or other structure the wall or foundation of which goes to standard depth or deeper then the owner of the land on which the excavation is being made shall, if given the necessary license to enter on the adjoining

land, protect the said adjoining land and any such building or other structure thereon without cost to the owner thereof, from any damage by reason of the excavation, and shall be liable to the owner of such property for any such damage, excepting only for minor settlement cracks in buildings or other structures.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Comments/Findings:

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SECTION 3311 – STANDPIPES

COMMENT 1:

Name: David Leung-DBI

Date: February 9, 2010

Comments/Findings:

SECTION 3311 – STANDPIPES

3311.2 Replace this section with the following:

3311.2 Fire safety during demolition. All existing dry standpipes shall be maintained in an operative condition and with all inlets and outlets accessible for use within two floors of the highest remaining portion of a floor of the building. The inlets shall be so identified at the street level as to be easily located by the Fire Department. They shall be removed in place with floor removal and the upper ends capped above the highest remaining valve. The remaining system on the lower floors shall continue operative until all construction above the third floor has been removed.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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SECTION J103— PERMITS REQUIRED

COMMENT 1:

Name: David Leung-DBI

Date: February 9, 2010

Comments/Findings:

SECTION J103 — PERMITS REQUIRED

Section J103.2. Add the following five exemptions:

8. An excavation that (1) is less 2 feet (610 mm) in depth or (2) does not create a cut slope greater than 5 feet (1524 mm) in height and steeper than 1 unit vertical in 1-1/2 units horizontal (66.7% slope).

9. A fill less than 1 foot (305 mm) in depth and placed on natural terrain with a slope flatter than 1 unit vertical in 5 units horizontal (20% slope), or less than 3 feet (914 mm) in depth, not intended to support structures, that does not exceed 50 cubic yards (38.3 m³) on any one lot and does not obstruct a drainage course.

10. Grading performed incidental to and in connection with the construction of a building or structure on a single lot, pursuant to a valid building permit issued therefor. The cost of such grading shall be included in the total valuation of the building for determining permit fees, and a separate grading permit will not be required.

11. Grading necessary for and incidental to and in connection with the construction of any parks, public streets or roadways, or the construction of sewers, or utilities under or within the boundaries of such roadways or streets when such work is under the direct supervision of the Recreation and Park Department, the Department of Public Works, the Public Utilities Commission or other governmental agencies.

12. Grading operations which in the opinion of the Director are of such a minor nature that the proposed work will not affect the adjoining land, or any existing structures, either those on the same or adjoining land. For such grading operations, the requirements of this chapter may be waived in whole or in part.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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SECTION J104 — PERMIT APPLICATION AND SUBMITTALS

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

SECTION J104.3 Geotechnical report.

Replace the Exception as follows:

Exception: Grading conforming to all of the following requirements:

1. No cut section is greater than 10 feet (3.048 m) in vertical height.
2. No cut slope is steeper than 2 horizontal to 1 vertical.
3. The tops of cut banks are separated from any structure or major improvement by a distance, measured horizontally, equal to not less than the height of the bank.
4. Not more than 5,000 cubic yards (3825 m³) shall be involved in grading.
5. Grading performed at a site outside the limits of known slide areas.

All other grading shall require soils report and the grading plans shall include, but not limited to, the following information:

- (1). The design of retaining walls or other structures used to support cuts or fills. Such retaining walls or structures, except when part of a building, may be constructed under this permit, provided the cost of same is included in the valuation shown on the application.
- (2). The sequencing of cut and fill operations in a manner that assures interim stability of the site.

[Note: To carryover 2007 San Francisco Amendments to 2010.
 Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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SECTION J106 - EXCAVATIONS

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

SECTION J106 — EXCAVATIONS

Section J106.1. Maximum slope.

Delete all exceptions.

[Note: To carryover 2007 San Francisco Amendments to 2010.
 Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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SECTION J109 — DRAINAGE AND TERRACING

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

SECTION J109 — DRAINAGE AND TERRACING

Add the following section:

J109.5 Surface Drainage. All areas which are surfaced with asphalt, concrete or other paving of similar imperviousness, and which exceed a total area of 200 square feet (18.58 m²), shall have storm- and casual water drained directly to a public sewer or storm drain.

Drainage shall not be directed to flow onto adjacent property or to drain onto public sidewalks. See Section 1503.4 for roof drainage.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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Comments/Findings:

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SECTION J112 — GRADING FEES

COMMENT 1:

Name: David Leung-DBI
Date: February 9, 2010

Comments/Findings:

Add the following section:

SECTION J112 — GRADING FEES

[Amended 10-7-2003 by Ord. No. 245-03]

The permit and the plan review fees shall be per Section 110A, Table 1A-F - Specialty Permit Fees, Table 1A-A - Building Permit Fees. The valuation shall be based on the volume of earthwork.

[Note: To carryover 2007 San Francisco Amendments to 2010.

Recommend to be brought to the full CAC committee for further action.]

Place an X in one of the following:	Retain as is:	Update as noted:	Revise:	Delete:
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