



Special Inspection Schedule

(2012 IBC)

PROJECT: _____ PERMIT: _____

ADDRESS: _____ DATE: _____

TESTING AGENCY: _____ PHONE: _____

(A WABO-CERTIFIED SPECIAL INSPECTION AGENCY IS REQUIRED)

A PRE-CONSTRUCTION MEETING IS REQUIRED. The City of Bellevue Building Inspector must be contacted in advance of any work noted below. It is the responsibility of the owner or owner’s designee to notify the Special Inspection Agency AND schedule a building inspection in a timely manner. Copies of all inspection reports must be posted on site and summary letters submitted to the Building Inspection Supervisor. Unresolved nonconformancies must be brought to the immediate attention of the City of Bellevue Building Inspector. Send summary letters and nonconformance reports to the Building Inspection Supervisor, Planning & Community Development, 450 110th Ave. NE, P.O.Box 90012, Bellevue, WA 98009-9012.

Required Special Inspections

2012 International Building Code; Sections 1701, 1704, & 1705

- | | |
|--|---|
| <input type="checkbox"/> Structural Steel (1705.2; AISC 360) | <input type="checkbox"/> Sprayed Fire-Resist. Mtrls (1705.13) |
| <input type="checkbox"/> Steel – Other than Structural Steel (1705.2.2) | <input type="checkbox"/> Intumescent Fire-Resist. Ctgs (1705.14) |
| <input type="checkbox"/> Structural Concrete (1705.3) | <input type="checkbox"/> EIFS (1705.15) |
| <input type="checkbox"/> Reinf. steel/ prestressing tendons (1705.3) | <input type="checkbox"/> Post-Installed Anchors (1705.3; ACI 318: D.9.2) |
| <input type="checkbox"/> Shotcrete (1705.3; 1910) | <input type="checkbox"/> Smoke Control (1705.17) |
| <input type="checkbox"/> Structural Masonry (1075.4)
TMS 402/ACI 530/ ASCE 5;
TMS 602, ACI 530.1, ASCE 6 | <input type="checkbox"/> Structural Steel (SFRS 1705.11.1; AISC 341) |
| <input type="checkbox"/> High Load Diaphragms (Wood 1705.5.1) | <input type="checkbox"/> Structural Wood (SFRS 1705.11.2) |
| <input type="checkbox"/> Grading, excavation, and filling (Soils 1705.6) | <input type="checkbox"/> Cold-Formed Steel Framing (SFRS 1705.11.3) |
| <input type="checkbox"/> Driven Deep Foundations (1705.7) | <input type="checkbox"/> Access Flrs. (SFRS 1705.11.5.1) |
| <input type="checkbox"/> Cast-in-Place Deep Foundations (1705.8) | <input type="checkbox"/> Stor. Racks (SFRS 1705.11.7) |
| <input type="checkbox"/> Helical Pile Foundations (1705.9) | <input type="checkbox"/> Architectural Components (SFRS 1705.11.5) |
| <input type="checkbox"/> Installation of Precast Elements (1705.3) | <input type="checkbox"/> Mech. and Elec. Components (SFRS 1705.11.6) |
| <input type="checkbox"/> Other (1705.1.1): | <input type="checkbox"/> Fire Resist. Penetrations & Joints (SFRS 1705.16) |
| | <input type="checkbox"/> Seismic Isolation Systems (SFRS 1705.11.8) |

**TABLE 1705.2.2
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL**

VERIFICATION AND INSPECTION	CONTINUOUS		PERIODIC	REFERENCED STANDARD*
I. Material verification of cold-formed steel deck:				
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	—		X	Applicable ASTM material standards
b. Manufacturer's certified test reports.	—		X	
2. Inspection of welding:				
a. Cold-formed steel deck:				
1) Floor and roof deck welds.	—		X	AWS D1.3
b. Reinforcing steel:				
1) Verification of weldability of reinforcing steel other than ASTM A 706.	—		X	AWS D1.4 ACI 318: Section 3.5.2
2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.		X	—	
3) Shear reinforcement.		X	—	
4) Other reinforcing steel.		—	X	

For SI: 1 inch = 25.4 mm.

a. Where applicable, see also Section 1705.11, Special inspections for seismic resistance.

**TABLE 1705.3
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^a	IBC REFERENCE
1. Inspection of reinforcing steel, including prestressing tendons, and placement.	—	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. Inspection of reinforcing steel welding in accordance with Table 1705.2.2, Item 2b.	—	—	AWS D1.4 ACI 318: 3.5.2	—
3. Inspection of anchors cast in concrete where allowable loads have been increased or where strength design is used.	—	X	ACI 318: 8.1.3, 21.2.8	1908.5, 1909.1
4. Inspection of anchors post-installed in hardened concrete members ^b .	—	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1
5. Verifying use of required design mix.	—	X	ACI 318: Ch. 4, 5.2-5.4	1904.2, 1910.2, 1910.3
6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	—	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1910.10
7. Inspection of concrete and shotcrete placement for proper application techniques.	X	—	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
8. Inspection for maintenance of specified curing temperature and techniques.	—	X	ACI 318: 5.11-5.13	1910.9
9. Inspection of prestressed concrete: a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic force-resisting system.	X X	—	ACI 318: 18.20 ACI 318: 18.18.4	—
10. Erection of precast concrete members.	—	X	ACI 318: Ch. 16	—
11. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	—	X	ACI 318: 6.2	—
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	—	X	ACI 318: 6.1.1	—

For SI: 1 inch = 25.4 mm.

a. Where applicable, see also Section 1705.11, Special inspections for seismic resistance.

b. Specific requirements for special inspection shall be included in the research report for the anchor issued by an approved source in accordance with ACI 355.2 or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

**TABLE 1705.3
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION**

Modify portions of Table 1705.3 as follows:

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^a	IBC REFERENCE
3. Inspection of anchors cast in concrete.	---	X	ACI 318: D.9.2	
4. Inspection of anchors post-installed in hardened concrete members ^b . a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4a.	X ---	--- X	ACI 318: D.9.2.4 ACI 318: D.9.2	