



City of Dallas
 Building Department
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 Dallas OR 97338
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Building Permit #	Date
Project Title	
Project Address	

SPECIAL INSPECTION AND TESTING

To applicants of projects requiring Special Inspection or Testing as per Section 1704.1 of the Oregon Structural Specialty Code, please review the information below, acknowledge an understanding of the information by signing below, and return this form to the City.

BEFORE A PERMIT CAN BE ISSUED: The Owner or their representative, on the advice of the *responsible Project Engineer or Architect, shall complete, sign, and submit to* this Department for review and approval, two (2) copies of the this "Verification and Inspection Schedule".

The Owner and General Contractor, where applicable, shall also acknowledge the following conditions applicable to Special Inspection and/or Testing.

1. Contractor is responsible for proper notification to the Inspecting or Testing Agency for items listed.
2. Testing laboratory only should take samples and transport them to their laboratory.
3. Copies of all laboratory reports and inspections are to be sent directly to the City by the Testing Agency. All reports and correspondence shall contain permit, project title and project address.
4. Inspection Agency to submit names and qualifications of on-site Special Inspectors to the City for approval.
5. Special Inspectors shall provide appropriate reports to this Department of all inspection activity.
6. It is the responsibility of the Contractor to review City approved plans for additional inspection or testing requirements that may be noted.
7. **BEFORE A CERTIFICATE OF OCCUPANCY PERMIT CAN BE ISSUED:** The Inspection Agency shall submit a statement that all items requiring testing and inspection have been fulfilled and reported. Those items not tested and/or inspected shall be noted in this statement. Copy of statement to be maintained at the job site for City's Building Inspector's review prior to final inspections.

ACKNOWLEDGMENTS

Owner Name (Printed)	Owner Signature
Project Engineer or Architect Firm Name (Printed)	Project Engineer or Architect Firm Signature
General Contractor Name (Printed)	General Contractor Signature
Testing Laboratory Name (Printed)	Testing Laboratory Signature
Special Inspection Agency Firm Name (Printed)	Special Inspection Agency Signature
Building Official Name (Printed)	Building Official Signature

**Table 1705.2
REQUIRED SPECIAL INSPECTIONS AND TESTS OF STEEL CONSTRUCTION**

CHECK HERE ↓	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARDS
	1. Material verification of high-strength bolts, nuts and washers			
	a. Identification markings to conform to ASTM standards and specified in the <i>approved construction documents</i> .	-	X	AISC 360, Section A3.3 and applicable ASTM material standards
	b. Manufacturer's <i>certificate of compliance</i> required	-	X	-
	2. Inspection of high-strength bolting:			
	a. Snug-tight joints	-	X	AISC 360, Section M2.5
	b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.			
	c. Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation.	X	-	
	3. Material verification of structural steel:			
	a. For structural steel, identification markings to conform to AISC 360.	-	X	AISC 360 Section N2.1
	b. For other steel, identification markings to conform to ASTM standards specified in the <i>approved construction documents</i> .	-	X	Applicable ASTM material standards
	c. Manufacturer's certified test reports.	-	X	-
	4. Material verification of cold-formed steel deck:			
	a. Manufacturer's certified test reports.	-	X	-
	5. Material verification of weld filler materials:			
	a. Identification marking to conform to AWS specification in the <i>approved construction documents</i>	-	X	AISC 360, Section A3.5, and applicable AWS A5 document
	b. Manufacturer's <i>certificate of compliance</i> required.	-	X	-
	6. Inspection of welding:			
	a. Structural steel and cold-formed steel deck:			
	1) Complete and partial joint penetration groove welds.	X	-	AWS D1.1
	2) Multi-pass fillet welds.	X	-	
	3) Single-pass fillet welds >5/16".	X	-	
	4) Plug and slot welds.	X	-	
	5) Single-pass fillet welds <5/16".	-	X	
	6) Floor and roof deck welds.	-	X	AWS D1.3
	b. Reinforcing Steel.			
	1) Verification of weldability of reinforcing steel other than ASTM A706.	-	X	AWS D1.4, ACI 318 Section 4.2.2
	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	
	7. Inspection of steel frame joint details for compliance:			
	a. Details such as bracing and stiffening.	-	X	-
	b. Member location.	-	X	
	c. Application of joint details at each connection.	-	X	

**TABLE 1705.2.3
REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS**

CHECK HERE ↓	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD ^a
	1. Installation of open-web steel joists and joist girders.			
	a. End connections welding or bolted.	-	X	SJI specifications listed in Section 2207.1.
	b. Bridging – horizontal or diagonal.	-	X	-
	a. Standard bridging.	-	X	SJI specifications listed in Section 2207.1.
	b. Bridging that differs from the SJI specifications listed in Section 2207.1.	-	X	-

a. Where applicable, see Section 1705.12, Special inspections for seismic resistance.

**TABLE 1704.4
REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION**

CHECK HERE ↓	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
	1. Inspection of reinforcing steel, including pre-stressing tendons, and verify placement.	—	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
	2. Reinforcing bar weld: a. Verify weldability of reinforcing bars other than ASTM A706; b. Inspect single-pass fillet welds, maximum 5/16", and c. Inspect all other welds.	— X	X X	AWS D1.4 ACI 318: 26-6.4	—
	3. Inspect anchors cast in concrete.	-	X	ACI 318: 17.8.2	-
	4. Inspect anchors post-installed in hardened concrete members. a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors not defined in 4. a.	X	X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	-
	5. Verifying use of required design mix.	—	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
	6. Prior to concrete placement, fabricate specimens for strength tests, preform slump and air content tests, and determine the temperature of the concrete.	X	—	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	1908.10
	7. Inspection of concrete and shotcrete placement for proper application techniques.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8
	8. Verify maintenance of specified curing temperature and techniques.	—	X	ACI 318: 26.5.3-26.5.5	1908.9
	9. Inspection pre-stressed concrete for: a. Application of pre-stressing forces; and b. Grouting of bonded pre-stressing tendons	X X	- -	ACI 318: 26.10	—
	10. Inspect erection of precast concrete members.	—	X	ACI 318: 26.9	—
	11. Verification 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: 26.11.2	—
	12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	—	X	ACI 318: 26.11.1.2	—

TABLE 1705.4 – SEE TMS 402
LEVEL 1 REQUIRED SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION

CHECK HERE ↓	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
		Continuous	Periodic	IBC section	TMS 402/ ACI 530/ASCE 5	TMS 602/ ACI 530.I/ASCE 6
	1. Compliance with required inspection provisions of the construction, documents and the approved submittals shall be verified.	—	X	—	—	Art. 1.5
	2. Verification of f'_m and f'_{AAC} prior to construction except where specifically exempted by this code.	—	X	—	—	Art. 1.4B
	3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	X	—	—	—	Art. 1.5B.1.b.3
	4. As masonry construction begins, the following shall be verified to ensure compliance:					
	a. Proportions of site-prepared mortar.	—	X	—	—	Art. 2.6A
	b. Construction of mortar joints.	—	X	—	—	Art. 3.3B
	c. Location of reinforcement, connectors, pre-stressing tendons and anchorages.	—	X	—	—	Art. 3.4, 3.6A
	d. Pre-stressing technique.	—	X	—	—	Art. 3.6B
	e. Grade and size of pre-stressing tendons and anchorages.	—	X	—	—	Art. 2.4B 2.4H
	5. During construction the inspection program shall verify:					
	a. Size and location of structural elements.	—	X	—	—	Art. 3.3F
	b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	—	X	—	Sec. 1.2.2(e), 1.16.1	—
	c. Specified size, grade and type of reinforcement, anchor bolts, pre-stressing tendons and anchorages.	—	X	—	Sec. 1.15	Art. 2.4, 3.4
	d. Welding of reinforcing bars.	X	—	—	Sec. 2.1.9.7.2, 3.3.3.4(b)	—
	e. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	—	X	Sec. 2104.3, 2104.4	—	Art. 1.8C, 1.8D
	f. Application and measurement of pre-stressing force.	X	—	—	—	Art.3.6B
	6. Prior to grouting, the following shall be verified to ensure compliance:					
	a. Grout space is clean.	—	X	—	—	Art. 3.2D
	b. Placement of reinforcement and connectors and pre-stressing tendons and anchorages.	—	X	—	Sec. 1.13	Art. 3.4
	c. Proportions of site-prepared grout and pre-stressing grout for bonded tendons.	—	X	—	—	Art. 2.6B
	d. Construction of mortar joints.	—	X	—	—	Art. 3.3B
	7. Grout placement shall be verified to ensure compliance:					
	a. Grouting of pre-stressing bonded tendons.	X	—	—	—	Art.3.6C
	8. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	—	X	Sec. 2105.2.2, 2105.3	—	Art. 1.4

**TABLE 1705.4 SEE TMS 602
LEVEL 2 REQUIRED SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION**

CHECK HERE ↓	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
		Continuous	Periodic	IBC section	TMS 402/ ACI 530/ ASCE 5	TMS 602/ ACI 530.1/ ASCE 6
	1. Compliance with required inspection provisions of the construction documents and the approved submittals.	—	X	—	—	Art. 1.5
	2. Verification of f'_m and f'_{AAC} prior to construction and for every 5,000 square feet during construction.	—	X	—	—	Art. 1.4B
	3. Verification of proportions of materials in premixed or pre-blended mortar and grout as delivered to the site.	—	X	—	—	Art. 1.5B
	4. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	X	—	—	—	Art. 1.5B.1.b.3
	5. The following shall be verified to ensure compliance:					
	a. Proportions of site-prepared mortar, grout and pre-stressing grout for bonded tendons.	—	X	—	—	Art. 2.6A
	b. Placement of masonry units and construction of mortar joints.	—	X	—	—	Art. 3.3B
	c. Placement of reinforcement, connectors and pre-stressing tendons and anchorages.	—	X	—	Sec. 1.15	Art. 3.4, 3.6A
	d. Grout space prior to grout.	X	—	—	—	Art.3.2D
	e. Placement of grout.	X	—	—	—	Art. 3.5
	f. Placement of pre-stressing grout.	X	—	—	—	Art. 3.6C
	g. Size and location of structural elements.	—	X	—	—	Art. 3.3F
	h. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	X	—	—	Sec. 1.2.2(e), 2.1.4, 3.1.6	—
	i. Specified size, grade and type of reinforcement.	—	X	—	Sec. 1.15	Art. 2.4, 3.4
	j. Welding of reinforcing bars.	X	—	—	Sec. 2.1.9.7.2, 3.3.3.4(b)	—
	k. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	—	X	Sec. 2104.3, 2104.4	—	Art. 1.8C, 1.8D
	l. Application and measurement of pre-stressing force.	X	—	—	—	Art. 3.6B
	6. Preparation of any required grout specimens and/or prisms shall be observed.	X	—	Sec. 2105.2.2, 2105.3	—	Art. 1.4

**TABLE 1705.6
REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS**

CHECK HERE ↓	VERIFICATION AND INSPECTION TASK	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	—	X
	2. Verify excavations are extended to proper depth and have reached proper material.	—	X
	3. Perform classification and testing of compacted fill materials.	—	X
	4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	—
	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	—	X

TABLE 1705.7

REQUIRED SPECIAL INSPECTIONS AND TESTS OF DRIVEN DEEP FOUNDATION ELEMENTS

CHECK HERE ↓	VERIFICATION AND INSPECTION TASK	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
	1. Verify element materials, sizes and lengths comply with the requirements.	X	—
	2. Determine capacities of test elements and conduct additional load tests, as required.	X	—
	3. Inspect driving operations and maintain complete and accurate records for each element.	X	—
	4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	X	—
	5. For steel elements, perform additional inspections in accordance with Section 1705.2.	—	—
	6. For concrete elements and concrete-filled elements, perform tests and additional special inspections in accordance with Section 1705.3.	—	—
	7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.	—	—

TABLE 1705.8

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS

CHECK HERE ↓	VERIFICATION AND INSPECTION TASK	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
	1. Inspect drilling operations and maintain complete and accurate records for each element.	X	—
	2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes.	X	—
	3. For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3.	—	—

WOOD CONSTRUCTION: Shear wall nailing Shear wall anchors Glulam fabrication * _____ T/C psi
 (1705.5, 1705.11, 1705.12) I joist fabrication Sample and test components Fabrication welding of steel accessories

FIREPROOFING: Placement Density tests Thickness tests Inspect batching
 (1705.14)

MASTIC & INTUMESCENTS: Placement
 (1705.15)

INSULATING CONCRETE (EIFS): Sample and test Placement Unit weights Water-resistive barrier
 (1705.16)

FIRE STOPS: Walls Floors Curtain wall/floor
 (1705.17)

SMOKE CONTROL: Leakage testing Control verification
 (1705.18)

Radon: Membrane Sealing
 (1705.19)

ADDITIONAL INSTRUCTIONS, OTHER TEST, & INSPECTIONS:

(IS THIS LIST CONTINUED ON AN ATTACHED SHEET? (Y / N))

*PROVIDE STRENGTH REQUIRED BY ARCHITECT OR ENGINEER OR CONTRACT DOCUMENT LOCATION OF VALUES
 All inspections are continuous, unless specifically marked in the periodic inspection section and scope of work attached.