



What are special inspections?

[BS] SPECIAL INSPECTION. Inspection of construction requiring the expertise of an *approved special inspector* in order to ensure compliance with this code and the *approved construction documents*.

Continuous special inspection. Special inspection by the *special inspector* who is present when and where the work to be inspected is being performed.

Periodic special inspection. Special inspection by the *special inspector* who is intermittently present where the work to be inspected has been or is being performed.

What are special inspections?

- Verify work that is considered critical to life safety and property protection is constructed according to approved construction documents.
- In addition to building official's inspections.
- Monitoring construction that requires special expertise.









Requirements in 2015 IBC

- 11. Sprayed fire-resistant materials.
- 12. Mastic & intumescent fire-resistant

coatings.

- 13. Exterior insulation & finish systems (EIFS).
- 14. Fire-resistant penetrations & joints.
- 15. Testing for smoke control.

Special Cases (1705.1.1)

- Unusual work in the opinion of the building official.
- Alternate materials & systems.
- Unusual design applications.
- Manufacturer's instructions have additional requirements beyond the code or referenced standards.



General Exceptions (1704.2)

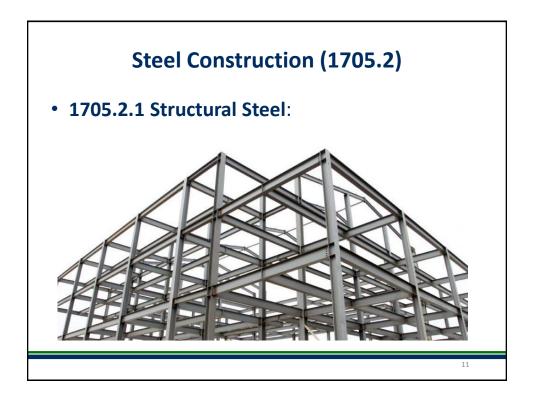
- Construction of a minor nature.
- As warranted by conditions in the jurisdiction.
- Group U, accessory to R (garages, sheds...)
- Cold-formed steel light frame construction per 2211.7.
- Conventional light frame wood construction

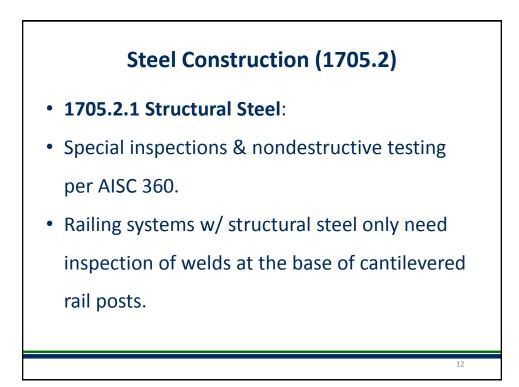
per 2308.

Steel Construction (1705.2)

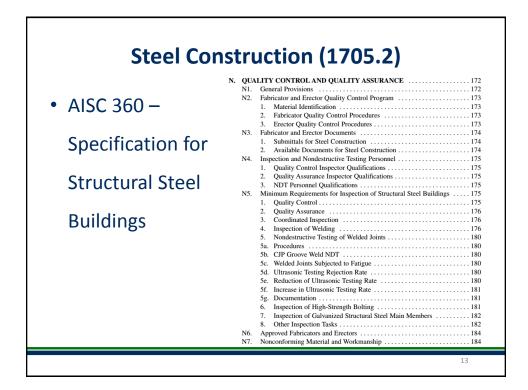
 Steel fabrication process is subject to special inspections (1704.2.5) unless they DON'T perform welding, thermal cutting or heating operations in the fabrication, in which case, they must keep records of material specs & grades, & mill test reports must be identifiable if required by construction documents.





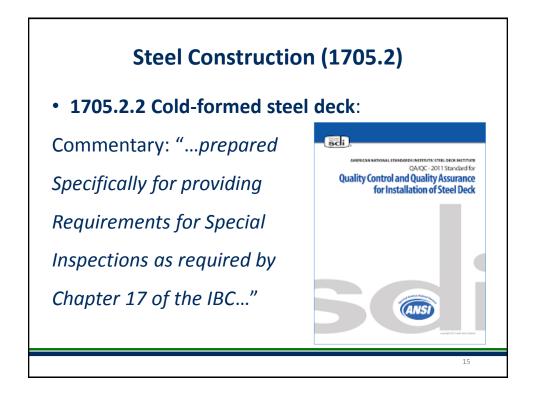






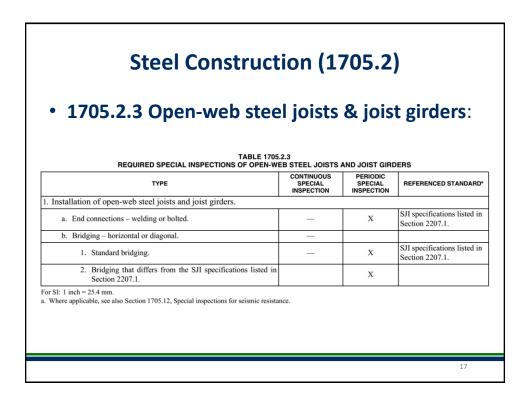








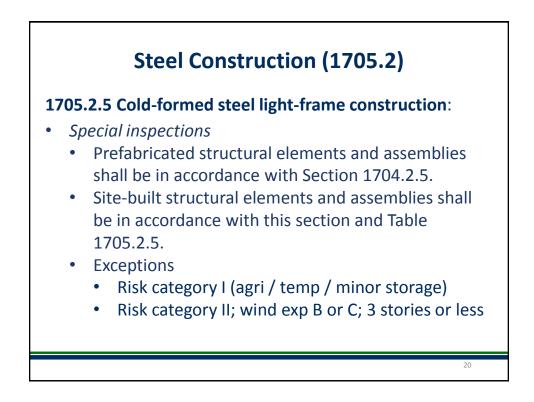














311	-FRAME CONSTRUCTION			
	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	IBC REFERENCE
1.	Inspect Material Grade and Thickness		x	
2.	Inspect Framing and Details a. Framing layout, member sizes and bearing lengths b. Blocking, bridging and web stiffeners		x x	
3.	c. Holes ^a Inspect Connections		x	
	 Bolted and screwed connections, including diameter, length, spacing and edge distance 		x	
	 Welded connections Proprietary hangers and framing anchors, including fastener sizes and 		x x	
	duantities d. Tie-down anchors, including anchor rod sizes and fastener sizes and quantities		x	
4.	Inspect Shear Walls and Diaphragms a. Panel grade and thickness ^b		x	
	 b. Steel strapping size, grade and thickness c. Fastener size, length and spacing 		x x	
5	d. Framing member sizes at panel edges e. Blocking at panel edges Inspect Cold-Formed Steel Trusses		x x	
5.	 a. Temporary installation restraint/bracing for truss spanning 60 feet or more b. Permanent individual truss member 		x	1705.2.4
	restraint/ bracing for trusses spanning 30 feet or more		x	1705.2.4

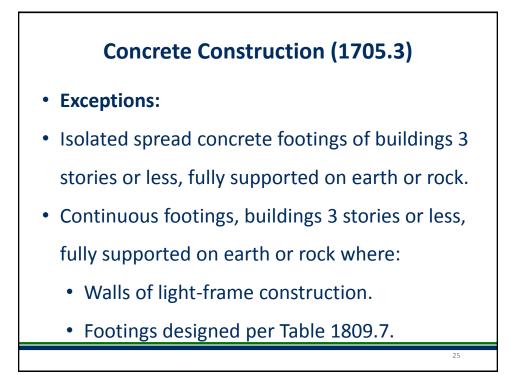


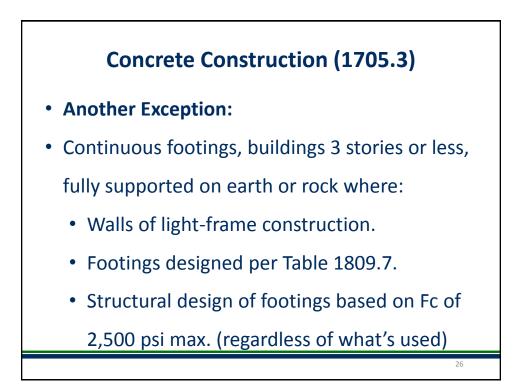


TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION				
ТҮРЕ	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD*	IBC REFERENCE
 Inspect reinforcement, including prestressing tendons, and verify placement. 	_	х	ACI 318 Ch. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
 Reinforcing bar welding: Verify weldability of reinforcing bars other than ASTM A 706; Inspect single-pass fillet welds, maximum 	_	x x	AWS D1.4 ACI 318: 26.5.4	_
⁵ / ₁₆ "; and c. Inspect all other welds.	х			
3. Inspect anchors cast in concrete.	_	х	ACI 318: 17.8.2	_
 Inspect anchors post-installed in hardened concrete members.^b Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. Mechanical anchors and adhesive anchors not defined in 4.a. 	х	x	ACI 318: 17.8.2.4 ACI 318: 17.8.2	_
5. Verify use of required design mix.	_	х	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2 1908.2, 1908.3
 Pripr to concrete placement, fabricate speci- ments for strength tests, perform slump and air content tests, and determine the temperature of the concrete. 	х	_	ASTM C 172 ASTM C 31 ACI 318: 26.4.5, 26.12	1908.10

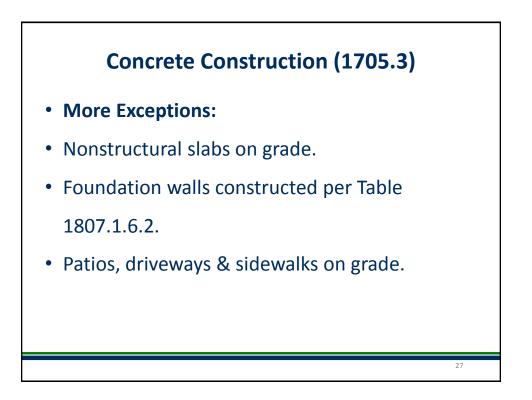
	ТҮРЕ	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD [®]	IBC REFERENCE
7	 Inspect concrete and shotcrete placement for proper application techniques. 	х	-	ACI 318: 26.4.5	1908.6, 1908. 1908.8
8	 Verify maintenance of specified curing tem- perature and techniques. 	_	x	ACI 318: 26.4.7-26.4.9	1908.9
9	 Inspect prestressed concrete for: a. Application of prestressing forces; and b. Grouting of bonded prestressing tendons. 	X X	_	ACI 318: 26.9.2.1 ACI 318: 26.9.2.3	_
10	. Inspect erection of precast concrete members.	_	х	ACI 318: Ch. 26.8	_
11	 Verify in-situ concrete strength, prior to stress- ing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs. 	_	x	ACI 318: 26.10.2	_
12	 Inspect formwork for shape, location and dimensions of the concrete member being formed. 	_	х	ACI 318: 26.10.1(b)	_





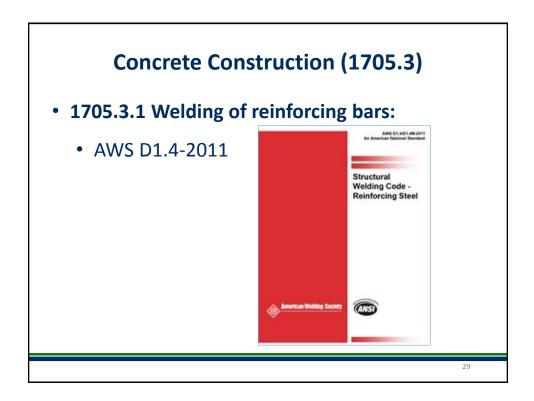


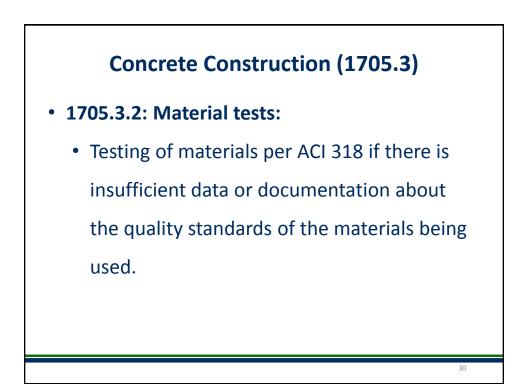




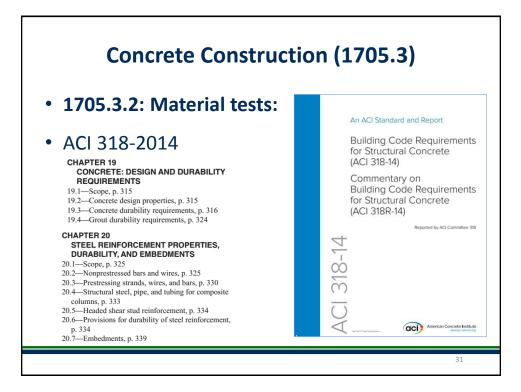






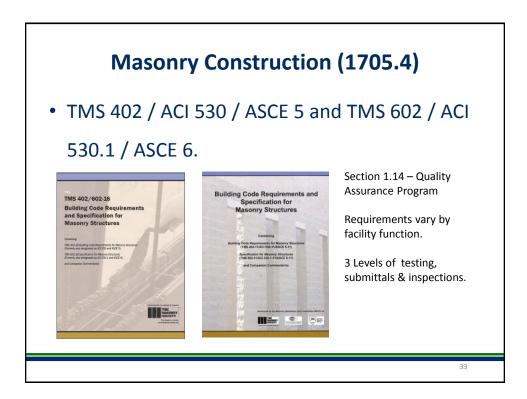


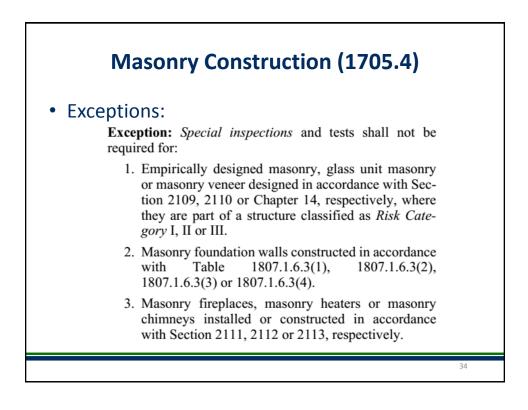




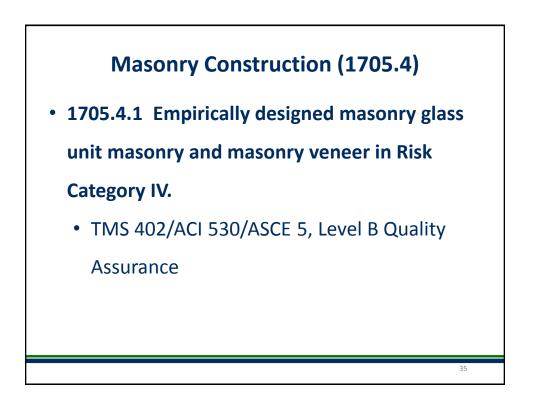


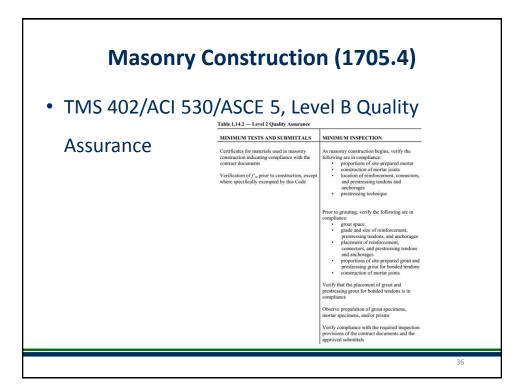




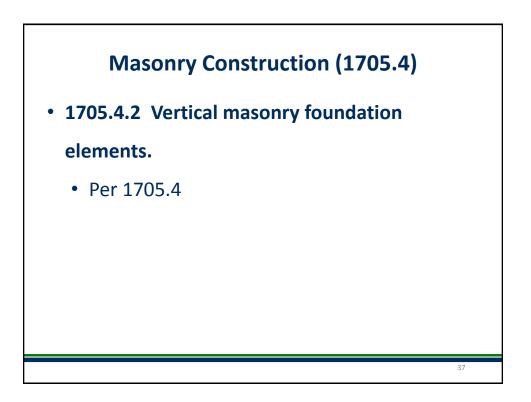


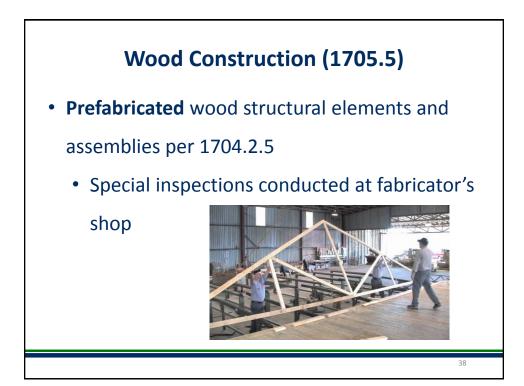




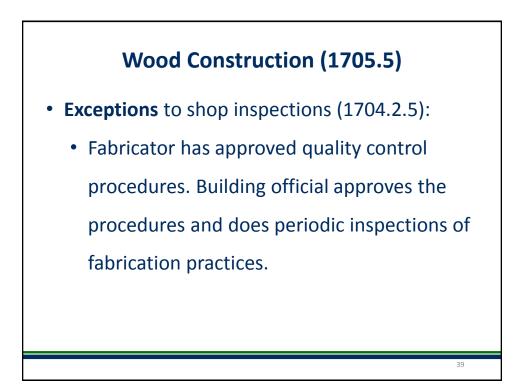


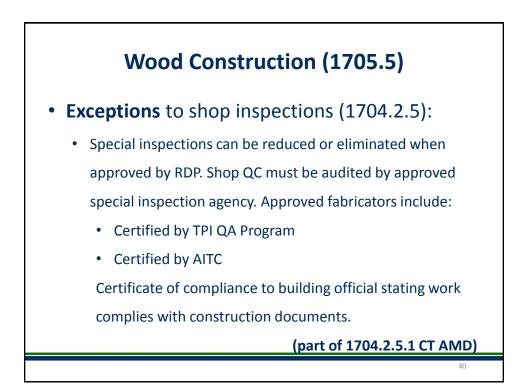




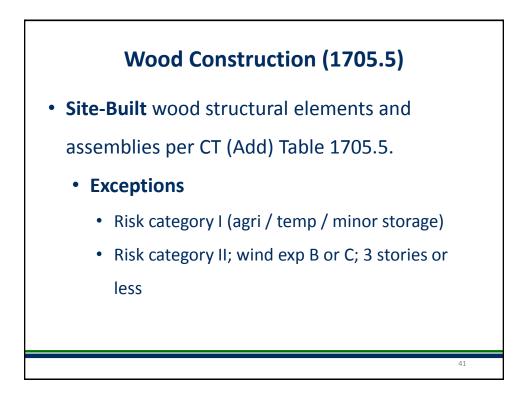






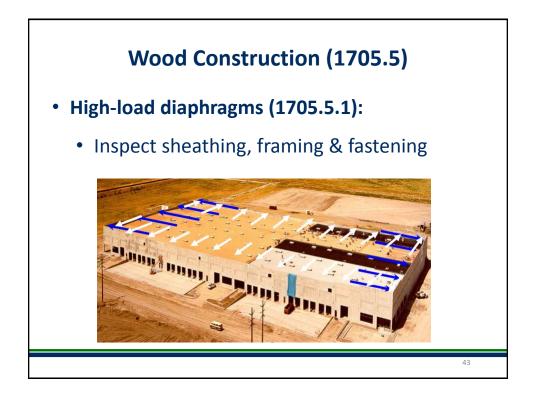


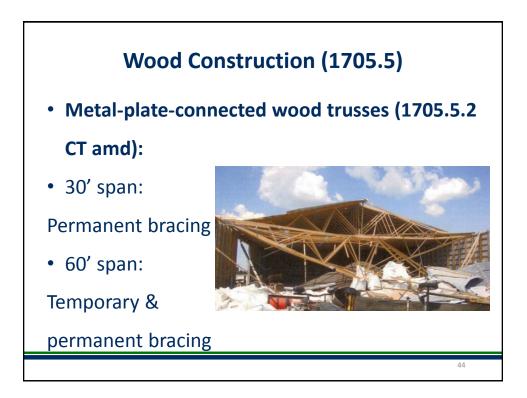




I) TABLE 1705.5 REQUIRED SPECIAL INSPEC	CONTINUOUS SPECIAL	PERIODIC	IBC
Inspect Grading of Wood Materials: a. Sawn lumber framing b. Structural composite lumber c. Wood structural panels	INSPECTION	INSPECTION X X X	REFEREN
Inspect Framing and Details a. Framing layout, member sizes and bearing lengths b. Blocking and bridging c. Holes and notches ^a		x x x	
 Inspect Connections Bolical and screwed connections, including diameter, length, spacing and degla distance b. Nailed connections, including diameter, length type and spacing of nails C. Proprietary hangers and framing anchors, diameter and framing anchors, diameter access and framing anchor of size and the anchors, including anchor of size and there rises and quantities 		x x x	
Impact Disart Wells and Distributions Impact Disart Wells and Distributions Panel grade and thickness ² Bart Strate risks, length and spacing, C. Framing member sizes at panel edges Biodity at panel edges Biodity at panel edges Field guing Field-puing Field-puing	x	x x x x x x	1705.5.1
 Inspect Metal-Plate Connected Wood Trusses Temporary installation restrain/bracing for tru spanning 60 feet or more Permanent individual truss member restrain/f bracing for trusses spanning 30 feet or more Mulii-ply truss connections. 	is	x x x	1705.5.2 1705.5.2







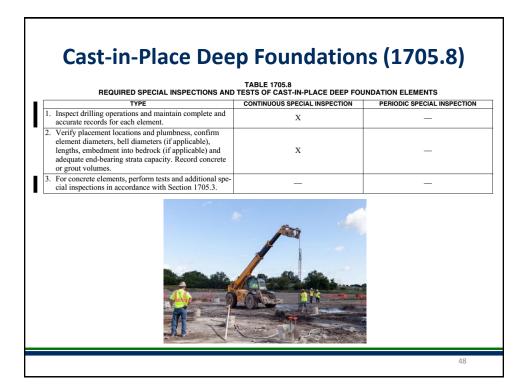


REQUIRED SPECIAL INSPI	LE 1705.6 ECTIONS AND TESTS OF SOILS	
TYPE . Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
2. Verify excavations are extended to proper depth and have reached proper material.	_	Х
B. Perform classification and testing of compacted fill materials.	—	Х
 Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill. 	Х	_
5. Prior to placement of compacted fill, inspect subgrade and ver- ify that site has been prepared properly.	_	Х

TABLE 1705.7 REQUIRED SPECIAL INSPECTIONS AND TESTS OF DRIVEN DEEP FOUNDATION ELEMENTS						
ТҮРЕ	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION				
 Verify element materials, sizes and lengths comply with the requirements. 	1 X	_				
Determine capacities of test elements and conduct add tional load tests, as required.	- X	_				
 Inspect driving operations and maintain complete and accurate records for each element. 	Х	_				
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.	х	_				
 For steel elements, perform additional special inspec- tions in accordance with Section 1705.2. 	_	_				
 For concrete elements and concrete-filled elements, pe form tests and additional special inspections in accor- dance with Section 1705.3. 	-	_				
 For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge. 	_	_				







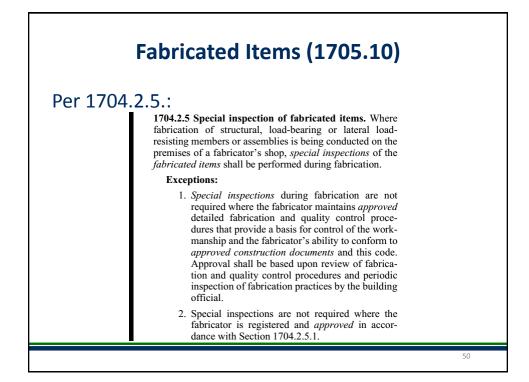


Helical Pile Foundations (1705.9)

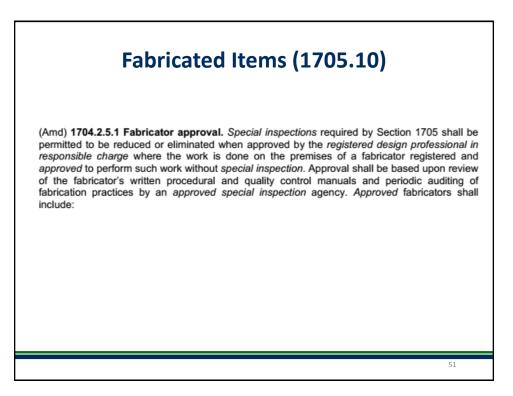
Continuous special inspections:

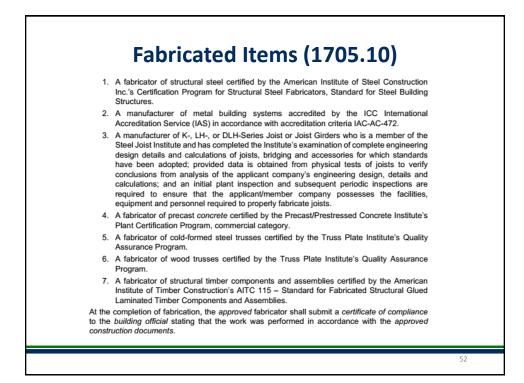
- Equipment used
- Pile dimensions
- Tip elevations
- Final depth
- Final torque
- Per RDP



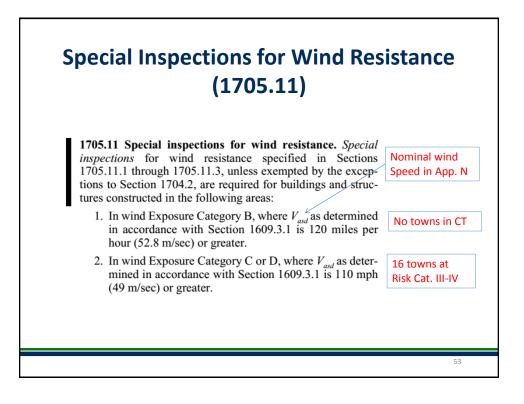


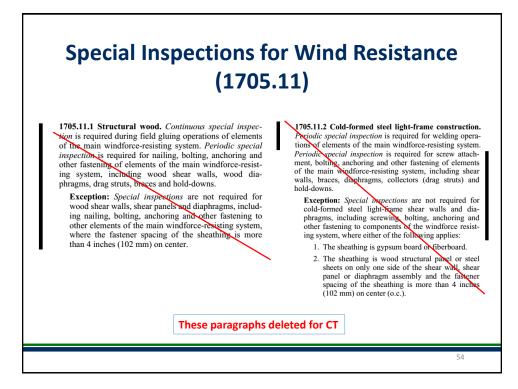




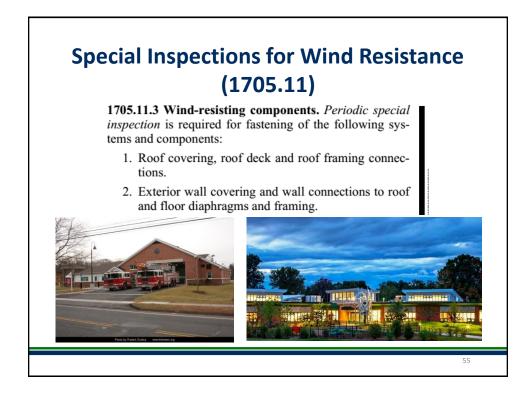












Special Inspections for Seismic Resistance (1705.12)

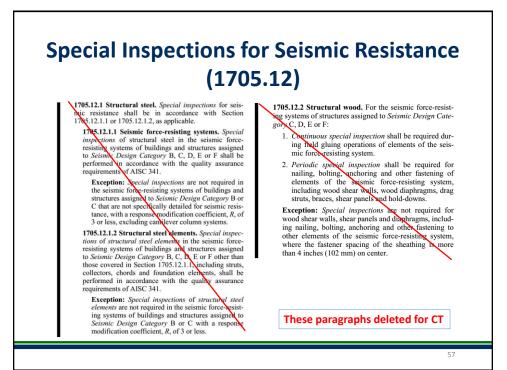
1705.12 Special inspections for seismic resistance. Special inspections for seismic resistance shall be required as specified in Sections 1705.12.1 through 1705.12.9, unless exempted by the exceptions of Section 1704.2.

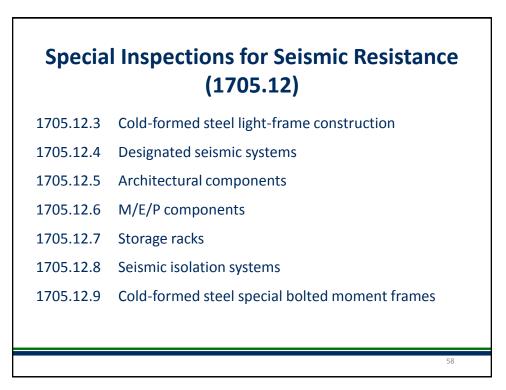
Exception: The *special inspections* specified in Sections 1705.12.1 through 1705.12.9 are not required for structures designed and constructed in accordance with one of the following:

- The structure consists of light-frame construction; the design spectral response acceleration at short periods, S_{DS} as determined in Section 1613.3.4, does not exceed 0.5; and the *building height* of the structure does not exceed 35 feet (10 668 mm).
- 2. The seismic force-resisting system of the structure consists of reinforced masonry or reinforced concrete; the design spectral response acceleration at short periods, S_{DS} as determined in Section 1613.3.4, does not exceed 0.5; and the *building height* of the structure does not exceed 25 feet (7620 mm).
- The structure is a detached one- or two-family dwelling not exceeding two stories above grade plane and does not have any of the following horizontal or vertical irregularities in accordance with Section 12.3 of ASCE 7:
 - 3.1. Torsional or extreme torsional irregularity.
 - 3.2. Nonparallel systems irregularity.
 - 3.3. Stiffness-soft story or stiffness-extreme soft story irregularity.
 - 3.4. Discontinuity in lateral strength-weak story irregularity.

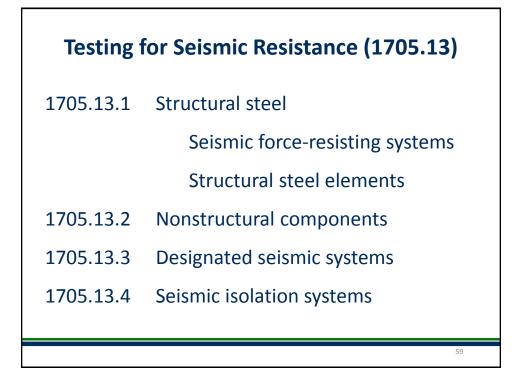
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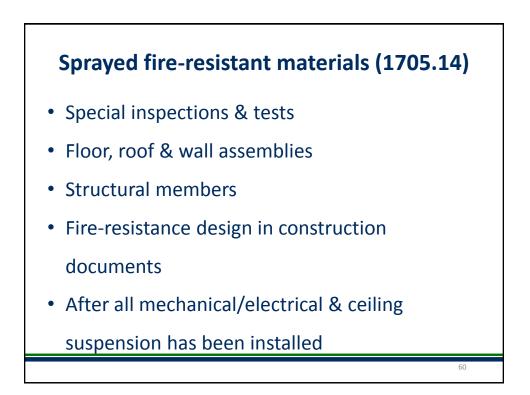




















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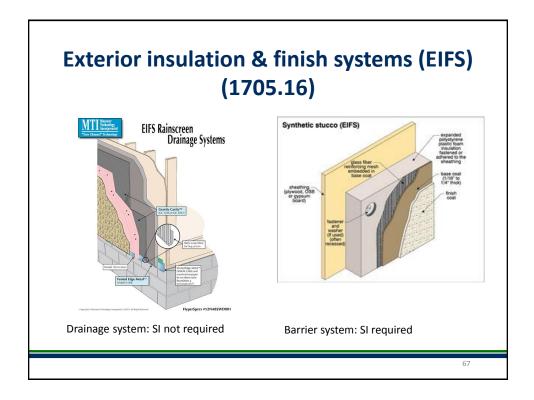
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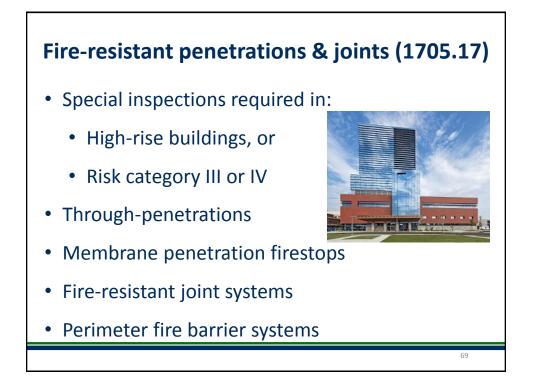






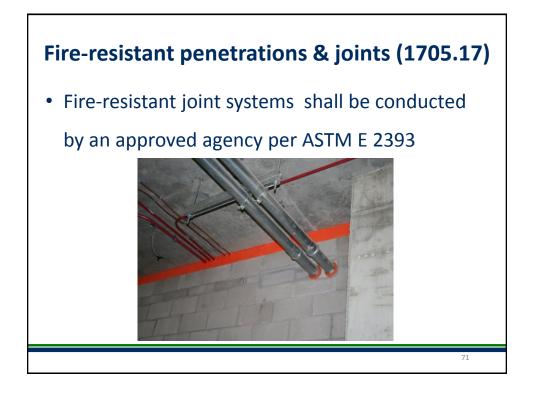


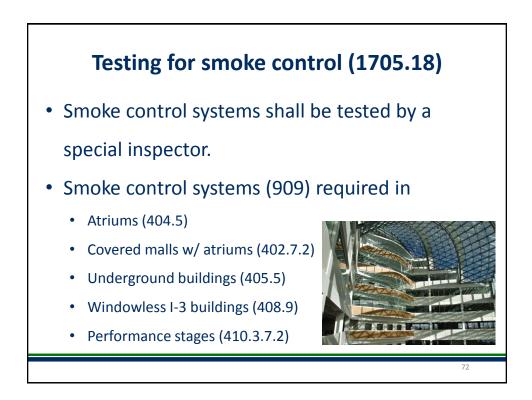




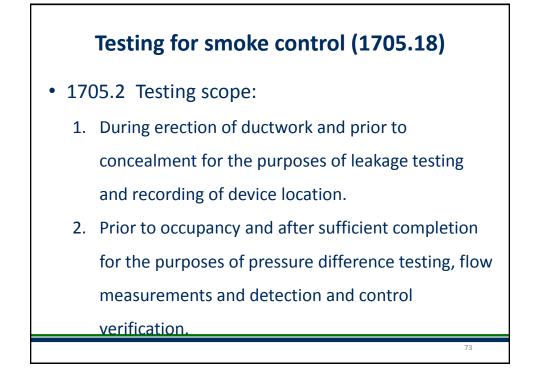


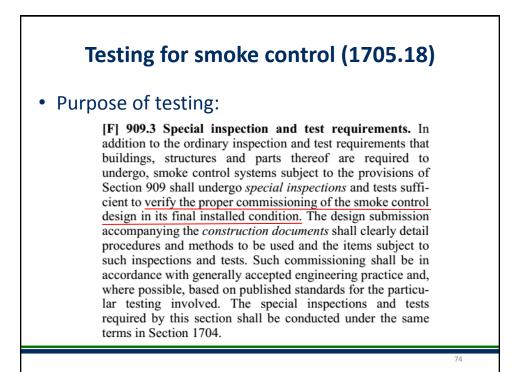














Testing for smoke control (1705.18)

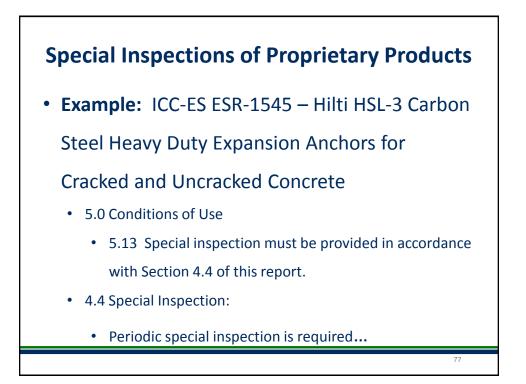
1705.18.2 Qualifications
Approved agencies for smoke
control testing shall have
expertise in fire protection
engineering, mechanical
engineering and certification
as air balancers.



Special Inspections of Proprietary Products

 Some proprietary products have special inspection requirements within their evaluation reports. Although the IBC does not contain specific provisions for this, the SSI should include any requirements stated in evaluation reports.









Who is a Special Inspector?

• *Approved Agency* defined in 202:

"An established and recognized agency that is regularly engaged in conducting tests or furnishing inspection services, where such agency has been approved by the building official."



"...the owner or the owner's authorized agent, other than the contractor, shall employ one or more approved agencies to provide special inspections and tests during construction on the types of work specified in Section 1705..."

• Exception #4:

"The contractor is permitted to employ the approved agencies where the contractor is also the owner. "

• Exception #5: (CT Addition) "The contractor is permitted to employ the approved agencies for the verification of the temporary installation restraint/bracing.."



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Qualifications of a Special Inspector

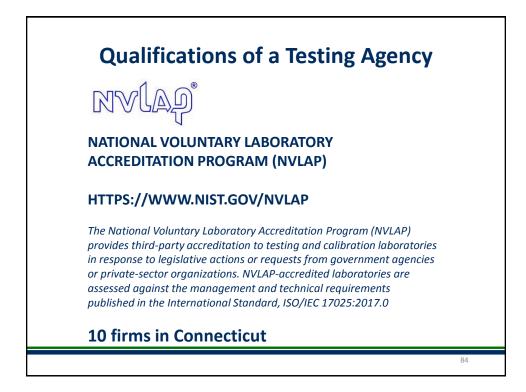
1704.2.1 Special inspector qualifications. Prior to the start of the construction, the *approved agencies* shall provide written documentation to the *building official* demonstrating the competence and relevant experience or training of the *special inspectors* who will perform the *special inspections* and tests during construction. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of *special inspection* or testing activities for projects of similar complexity and material qualities. These qualifications are in addition to qualifications specified in other sections of this code.

The registered design professional in responsible charge and engineers of record involved in the design of the project are permitted to act as the *approved agency* and their personnel are permitted to act as special inspectors for the work designed by them, provided they qualify as special inspectors.

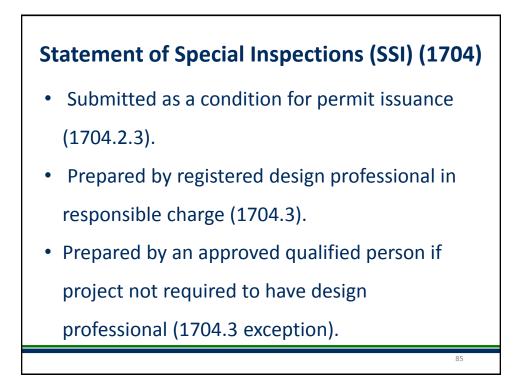


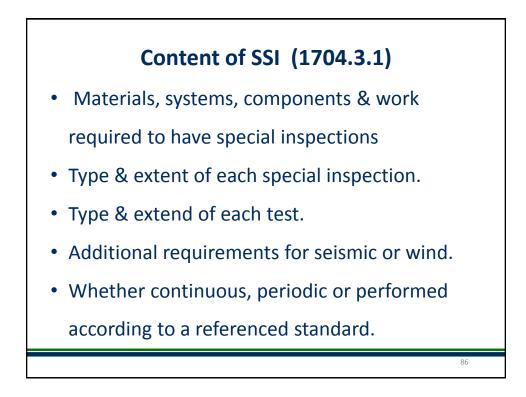












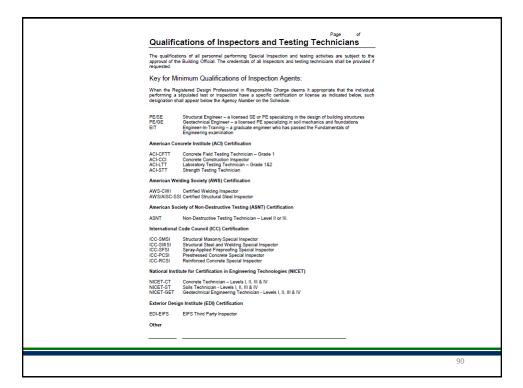


Statement of Special Inspection	ons		
Project: Loation: Deargen Professional in Responsible Charger Design Professional in Responsible Charger peoplal Impecton and Structural Testing requirement projection services applicable is this project as well be applied to the people of the service of	is a condition for permit is of the Building Code. as the name of the Byw www.g. discipline: Wechancial/Electrical/PI Other: is of all inspections and or Professional in Res- attention of the Cost Professional in Res- instruction of the Cost Professional in Res- cost instruction of the Cost Professional in Res- professional and the Reg g official and the Reg onpletion of all required ins shall be submitted pri- on are solely the respons	It includes a schedule of Special and Impetor Contracts and tests. This lumining mathematical and the schedule of the schedule consiste of the schedule of the schedule of the schedule.	
Signature	Date	Design Professional Seal	
Owner's Authorization:	Building Official's Acc	reptance:	
Signature Date	Signature	Date	
CASE Form 101 • Statement of	Special Inspections • (0CASE 2004	
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Schedule of Inspectors This Statement of Special Inspectors Solis and Foundations Cash-in-Place Concrete Masonry Structural Steel Cold-Formed Steel Fra	/ Quality Assurance Plan includes t Spray Fire F Wood Cons Exterior Insi Mechanical	he following building systems: Resistant Material truction dation and Finish System & Electrical Systems I Systems	
Special Inspection Agencies	Firm	Address, Telephone, e-mail	
1. Special Inspection Coordinator			
2. Inspector			
3. Inspector			
4. Testing Agency			
5. Testing Agency			
6. Other			
Note: The inspectors and testing age the Contractor or Subcontractor who disclosed to the Building Official, prior	se work is to be inspected or test	er or the Owner's Agent, and not by ed. Any conflict of interest must be	



1704.3.2 Quality Assurance for Seismic Resistance Seismic Design Category Quality Assurance Plan Required (Y/N) Description of seismic force resisting system and designated seismic systems: 1704.3.3 Quality Assurance for Wind Requirements Basic Wind Speed (3 second gust) Wind Exposure Category Quality Assurance Plan Required (Y/N) Description of wind force resisting system and designated wind resisting components:
1704.3.2 Quality Assurance Plan Required (Y/N) Description of seismic force resisting system and designated seismic systems: 1704.3.3 Quality Assurance for Wind Requirements Basic Wind Speed (3 second gust) Wind Exposure Category Quality Assurance Plan Required (Y/N)
1704.3.3 Basic Wind Speed (3 second gust) Wind Exposure Category Quality Assurance Plan Required (V/N)





Item	Agency # (Qualif.)	Scope
1. Shallow Foundations	PE/GE	Inspectable Moling Spatings for dequark bearing capacity and constances, with geotechnical report. Inspect removal duruntable measures in and proparation of subgrade prior to placement of controlled fill
2. Controlled Structural Fill	PE/GE	Perform sizes stat: (ASTM D422 & D1140) and modified Proctor texts (ASTM D1337) of each source of fill material. Inspect placement, lift hischess and compaction of controlled fill Test density of each lift of fill by nuclear methods (ASTM D392)) Farthy estent and slope of fill placement.
3. Deep Foundations	PE/GE	Inspect and log pile drhing operations. Record pile drhing resistance and verify compliance with drhing criteria. Inspect piles for damage from drhing and plumbness. Verify pile size, length and accessories. Inspect Installing of drilled pile foundations. Verify pier dismotes, buil dameter, length, embedment into bedrock and suitability of edu baring strans.
4. Load Testing		
4. Other:		

In Mix Design Earlies concern batch dishet and verify compliance with approved in design. Terf Nature added at the site does not exceed that allowed by the mix decign. 2. Material Certification Inspect size, spacing, cover, positioning and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and and size of positioning unders. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf I hat reinforcing and grade of reinforcing size. Terf hat reinforcing and grade of reinforcing size. Terf hat
3. Reinforcement Installation 4. Description of the second seco
Sink Terff har referring bars are fee offern oil or other Sink Terff har referring bars are fee offern oil or other ACFCCT dedewrons maerials. Tagest noting and mechanical laplest. KC-RCI Verify that bars are adequarkly field and supported on chairs or boltarr the adequarkly field and supported on chairs or boltarr the adequark field and the second adequark field and supported on chairs or boltarr the adequark field and the second adequark field and supported on chairs or boltarr the adequark field and the second adequark field and the second adequark KC-PCII Texably inspect all relighting seel welds. Terff weldability of ATS-CNT KATS-CNT ATS-CNT
Instituting readour. Treffy that treations are correctly positioned, supported, sied and vergaped. Record tendon elongation. 5. Welding of Reinforcing Trisually inspect all reinforcing sized welds. Forty weldability of reinforcing sized. https://reinforcing.sized.welds. Forty weldability of reinforcing sized. https://reinforcing.sized.weldability.org 6. Anchor Rods Inspect size, positioning and embedment of anchor rods. Inspect
AITS-CITZ 6. Anchor Rods Dispect size, positioning and embedment of anchor rods. Inspect
7. Concrete Placement Inspect placement of concrete. Verify that concrete consyunce and depositing evolus sugregation or contamination. Verify that ACI-CCT ICC-RCSI
Sampling and Testing of Concrete <u>Concrete compressive strength</u> (ASTM C31 & C39), slump <u>ACF-GFTT</u> <u>ACF-GFTT</u> <u>ACF-GFT</u>
Ouring and Protection Inspect curing, cold weather protection and hot weather act-CCT ICC-RCSI
10. Other:



Image:	Precast Concrete	Agency #	Scope
Control Procedures ACL-CCT Parkinstor Exempt ACL-CCT James Concrete National Control Concrete National Control Concrete National Control Contrect Controcon Control Control Control Control Control Control C			
ACL-CCT ACL-CCT ACC-ACC3 Accord mix design approved mix design approved mix design approved mix design accord	Control Procedures	ACI-CCI ICC-RCSI	Review plant operations and quality control procedures.
4. Reinforcement Installation Inspect size spacing position and grade of reinforcing steel. <i>ACLCCT</i> <i>ACLCCT</i> <i>AclcCCT</i> Inspect size spacing position and grade of reinforcing steel. <i>ACLCCT</i> <i>AclcCCT</i> 5. Prestress Operations Inspect placement, strassing, growting and protection of <i>BCC-PCSI</i> 6. Connections / Embedded lenses Inspect placement, strassing, growting and protection of <i>BCC-PCSI</i> 7. Fornwork Geometry Inspect placement of concreas. Firefy that concreas compagnets <i>and depasting modils segregation or contamination</i> . Firefy that <i>Concrete</i> Placement <i>CC-RCSI</i> 8. Sampling and Testing of Concrete <i>Concrete</i> Placement <i>CC-RCSI</i> Testowersk compagnets to straight ACSI of CSID, sharp <i>ACL-CCT</i> 10. Curing and Protection <i>ACL-CCT</i> Inspect carries of precast concreas including member <i>CC-RCSI</i> 11. Erected Precast Elements PE/SS	2. Mix Design		Inspect concrete batching operations and verify compliance with approved mix design
Image: provide and production of the product of the produc	3. Material Certification		
ICC-PCSI pretreizing tendors 8. Connections / Embedded Items	4. Reinforcement Installation	ACI-CCI ICC-RCSI	Verify that reinforcing bars are free of form oil or other
Items	5. Prestress Operations	ICC-PCSI	Inspect placement, stressing, grouting and protection of prestressing tendons
E. Concrete Placement ACL-CCL Concrete in ad departing and distinger additional segregation or communication. Ferty that ACL-CCL Concrete in graphic constraints ACL-CCL CCR-CSL ACL-CCL ACL-CCL CCR-CSL ACL-CCL			
and departing and size spreash or communication. Furly that ACI-OCI	7. Formwork Geometry		
Concrete (LSTM C14), in: Fourterit (LSTM C13) or C(73) and temperatur ACI-STT (LSTM C104), increment (LSTM C13) or C(73) and temperatur ACI-ST 10. Curing and Protection LCC-RCSI 11. Erected Precast Elements PE/SE PE/SE (Consection, procedure, consection, weiling and growting.		ACI-CCI ICC-RCSI	and depositing avoids segregation or contamination. Verify that concrete is properly consolidated .
ACF-CC ECC-RCST T1. Erected Precast Elements PE-55 PE-	 Sampling and Testing of Concrete 		(ASTM C143), air-content (ASTM C231 or C173) and temperature
PE/SE configuration, connections, welding and grouting.	10. Curing and Protection		Inspect curing, cold weather protection and hot weather protection procedures.
12. Other:	11. Erected Precast Elements	PE/SE	
	12. Other:		

Item	Agency # (Qualif.)	Scope
1. Material Certification		
2. Mixing of Mortar and Grout	ICC-SMSI	Inspect proportioning, mixing and retempering of mortar and grout.
3. Installation of Masonry	ICC-SMSI	Inspect size, layout, bonding and placement of masonry units.
4. Mortar Joints	ICC-SMSI	Inspect construction of mortar joints including tooling and filling of head joints.
5. Reinforcement Installation	ICC-SMSI AWS-CW7	Inspect placement, positioning and lapping of reinforcing steel. Inspect welding of reinforcing steel.
6. Prestressed Masonry	ICC-SMSI	Inspect placement, anchorage and stressing of prestressing bars.
7. Grouting Operations	ICC-SMSI	Inspect placement and consolidation of grout. Inspect masonry clean-outs for high-lift grouting.
7. Weather Protection	ICC-SMSI	Inspect cold weather protection and hot weather protection procedures. Verify that wall cavities are protected against precipitation.
9. Evaluation of Masonry Strength	ICC-SMSI	Test compressive strength of mortar and grout cube samples (ASTM C780). Test compressive strength of masonry prisms (ASTM C1314).
10. Anchors and Ties	ICC-SMSI	Inspect size, location, spacing and embedment of dowels, anchors and tiles.
11. Other:		



JCC-ST8731 critical connections. 5. Welding Pizually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. First Size and length of filer welds. 4/07-CT7 Ulmission between passes. First Size and length of filer welds. 4/07-CT7 Ulmission texting of all full-generation welds. 6. Shear Connectors Inspect zine, multiple, postioning on welding of shear connectors.	Item	Agency # (Qualif.)	Scope
2. Material Certification Briver, carefiels milli but reports and indification markings on well of the second	Quality Control Procedures	SSI	Review shop fabrication and quality control procedures.
3. Open Web Steel Joists Depart Installation, field welding and bridging of joint. 4. Boling Impact Installation and information field welding and bridging of joint. 4. Boling Impact Installation and information of high-investing of high-investing. 4. Boling Impact Installation and information on onrol bolit. Ferry fitter glines: have appreciable from musics corrol bolit. Ferry fitter glines: have appreciable form musics corrol bolit. Ferry fitter glines: have appreciable formations. 5. Welding Impact State of high-investing of high-investing of high-investing. 6. Shear Connectors Impact Take, music possible of high-investing of high-investing. 7. Structural Details Impact Take, music possible of high-investing. 8. Metal Deck Impact Take, frame for compliance with structural dravings. 8. Metal Deck Impact Take frame for compliance with structural of out foor dock.	2. Material Certification	AWS/AISC- SSI	Review certified mill text reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes
ATTO ALTSC. ATTO ALTSC. For gene pick planning sequence. Continuous inspection of block in high- statistic connections. 5. Welding Particle and connections. Particle and connections. 6. Shear Connectors ATTSCHTP Particle and planning and welds. 7. Structural Details Particle and provide press. Particle and planning and welds. 7. Structural Details Particle and press. Particle and press. 8. Metal Deck ATTSCHTP. Particle and planning and welds.	3. Open Web Steel Joists	100-5#32	Inspect installation, field welding and bridging of joists.
ATTS-CTT ATTS-CTT	4. Bolting	SSI	that splines have separated from tension control bolts. Verify proper tightening sequence. Continuous inspection of bolts in slip-
APTS LATS: APTS LATS: ST - Comparison of the second secon	5. Welding		
PESE including bracing, member configuration and connection details. 8. Metal Deck Inspect welding and side-lap fastening of metal roof and floor ATTS-CTT	6. Shear Connectors	SSI	connectors with a 3 lb hammer. Bend test all questionable studs to
40ck 4775-C777	7. Structural Details	PE/SE	Inspect teel frame for compliance with structural drawings, including bracing, member configuration and connection details.
9. Oher:	8. Metal Deck	AWS-CW1	Inspect welding and side-lap fastening of metal roof and floor deck
	9. Other:		

Item	Agency # (Qualif.)	Scope	
1. Member Sizes			
2. Material Thickness			
2. Material Thickness			
3. Material Properties			
4. Mechanical Connections			
5. Welding			
6. Framing Details			
7. Trusses	ļ		
7. 1103565			
8. Permanent Truss Bracing			
9. Other:			
		1	



1. Material Specifications Resistance Design Resistance Design 2. Laboratory Tested Fire Resistance Design Resistance Design Resistance Design 3. Schedule of Thickness Resister agencies of the presistive design for each rated beam, column, or assembly. 4. Surface Preparation Resister agencies of the preparation of swel prior to application of Recording. 5. Application Resister agencies of swel prior to application of Recording. 6. Curing and Ambient Condition R. Curing and Ambient Condition Rest inclusions of firegroupfing. 7. Thickness Rest inclusions of firegroupfing. 8. Density Rest inclusion of neuron of start and beam. 9. Bond Strength Rest inclusion of start and startial (ASTM E803). 10. Other: Intercharter institution on rest for each 10.000 SF.	ltem	Agency # (Qualif.)	Scope
Resistance Design ICC-SFSI 3. Schedule of Thickness ICC-SFSI 4. Surface Preparation ICC-SFSI 5. Application ICC-SFSI 6. Application ICC-SFSI 7. Application ICC-SFSI 8. Curing and Ambient Condition ICC-SFSI 7. Thickness ICC-SFSI 8. Density ICC-SFSI 8. Density ICC-SFSI 7. Thickness ICC-SFSI 8. Density ICC-SFSI 7. Thickness ICC-SFSI	1. Material Specifications		
ICC-SF31 Inter-organization 4. Surface Preparation ICC-SF31 5. Application ICC-SF31 6. Curing and Ambient Condition ICC-SF31 7. Thickness ICC-SF31 7. Thickness ICC-SF31 8. Density ICC-SF31 8. Density ICC-SF31 8. Density ICC-SF31 7. Thickness Icc-SF31	2. Laboratory Tested Fire Resistance Design	ICC-SFSI	
ICC-SF31 Programming 5. Application ICC-SF31 Depect application of fregrenofing. 6. Curing and Ambient Condition ICC-SF31 Perifs ambient air sequences and venitiation is suitable for application and curing of fregrenofing. 7. Thickness ICC-SF31 Perifs ambient air sequences and venitiation is suitable for application and curing of fregrenofing. 8. Density ICC-SF31 Test the density of fregrenofing distributes and on not less than 23% of read beams and columns. 8. Density ICC-SF31 Test the column isoftene bond strength of fregrenofing ASTM E001). 9. Bond Strength ICC-SF31 Test the column isoftene bond strength of fregrenofing ASTM E001).	3. Schedule of Thickness	ICC-SFSI	Review approved thickness schedule.
ICC-SFSI Furth ambient air temperature and ventilation is suitable for application and curing of frequencing. 6. Curing and Ambient Condition ICC-SFSI 7. Thickness Inc: hickness of frequencing (ASTM E003). Perform a set of hickness measurements for every 1000 SP of foor and root accemblas and on not less than 22% of rated beams and columns. 8. Density ICC-SFSI 9. Bond Strength ICC-SFSI 17. Thickness Inc: the column test tem 21% of rated beams and columns. 8. Density ICC-SFSI 17. Thickness Inc: the column test tem 21% of rated beams and columns. 8. Density ICC-SFSI 17. Thickness Inc: the column test tem 21% of tree for the column. 18. Density ICC-SFSI	4. Surface Preparation	ICC-SFSI	Inspect surface preparation of steel prior to application of freproofing
ICC-SF31 application and curing of the proofing. 7. Thickness Instructions and curing of the proofing. 8. Density ICC-SF31 8. Density ICC-SF31 9. Bond Strength ICC-SF31 17. Thickness ICC-SF31	5. Application	ICC-SFSI	Inspect application of freproofing.
ICC-SF31 Test the density of forger of the and roof 8. Density ICC-SF31 Test the density of forger of the material (ASTM E603). 9. Bond Strength ICC-SF31 Test the columbia. 7. Bond Strength ICC-SF31 Test the columbia. 8. Density ICC-SF31 Test the columbia. 9. Bond Strength ICC-SF31 Test the columbia.	8. Curing and Ambient Condition	ICC-SFSI	Ferify ambient air temperature and ventilation is suitable for application and curing of fireproofing.
ICC-SFSI ICC-SFSI Test the coluctive liablashe bond strength of fregring for 45TM E7361. Perform not less than one test for each 10.000 SF. ICC-SFSI	7. Thickness	ICC-SFSI	thickness measurements for every 1,000 SF of floor and roof
E736). Perform not less than one test for each 10.000 SP.	8. Density	ICC-SFSI	Text the density of freproofing material (ASTM E603).
10. Other:	9. Bond Strength	ICC-SFSI	Test the cohestweladhestwe bond strength of fireproofing ASTM E736). Perform not less than one test for each 10,000 SF.
	10. Other:		

Wood Construction		Page of	
Item	Agency # (Qualif.)	Scope	
Fabricator Certification/ Quality Control Procedures Fabricator Exempt		Inspect shop fabrication and quality control procedures for wood truss plant.	
2. Material Grading			
3. Connections			
4. Framing and Details			
5. Diaphragms and Shearwalls		Inspect size, configuration, blocking and fastening of shearwails and diaphragms. Ferify panel grade and thickness.	
6. Prefabricated Wood Trusses		Inspect the fabrication of wood trusses.	
7. Permanent Truss Bracing			
8. Other:			



Item	Agency # (Qualif.)	Scope	
1. Material Submittals			
2. Condition of Substrate			
3. Application of Foam Plastic Board			
4. Application of Coatings			
5. Application of Mesh			
6. Ambient Condition and Curing			
7. Flashing and Joint Details			
8. Sealants/Caulks			
9. Other:			

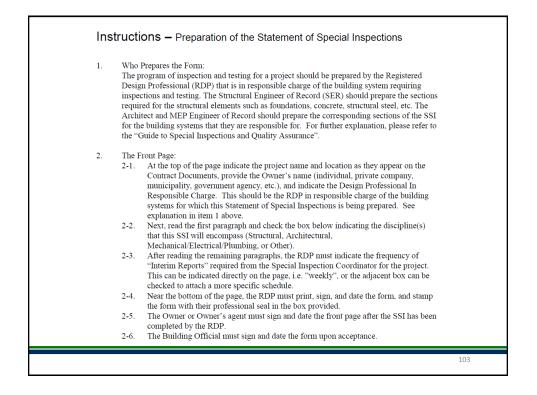
Item	Agency # (Qualif.)	Scope	
1. Smoke Control			
2. Mechanical, HVAC & Piping			
3. Electrical System			
4. Other:			

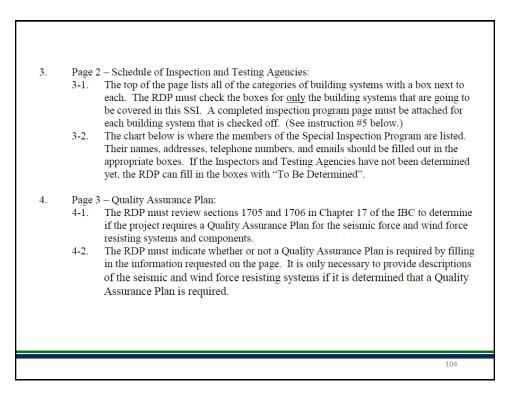


Architectural System			Page	of
Item	Agency # (Qualif.)	Scope		
1. Wall Panels & Veneers				
2. Suspended Ceilings	-			
3. Access Floors				
4. Other:	-			

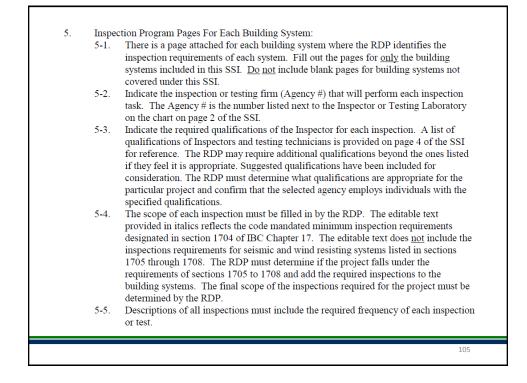
Special Cases		Page of	
Item	Agency # (Qualif.)	Scope	











This is to certify that all the inspections and observations that I have checked on pages 2- the project named above and will be performed by the designated individuals or firms. By • these inspections and observations must be performed by competent individuals in a Chapter 17 (as applicable) and that the construction work must comply with the deg applicable provisions of the uniform construction code: • records of all required special inspections and testing observations (including any did discrepancies) will be retained and made available to department representatives.	In for which special inspections Ilding Code 2015 (IBC) ephone: -3 and on page 4 of this statement are re	
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 the final report section of this statement must be signed by me and a copy of this st the time that the final inspection is performed and before a certificate of occupancy 	partment-approved plans and specification screpancies and methods of correction of ipon request; and, tatement submitted to the department ins	ns and all these
Name of Desig	n Professional in Responsible Charge	
Affix Seal Here Signature of D	esign Professional in Responsible Charge	
PA License Nur	mber Date signed (Month/o	day/year)

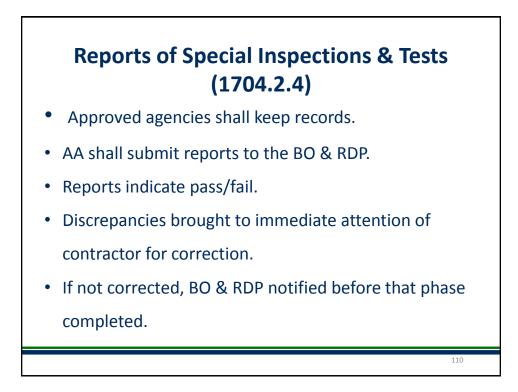


CHECK EACH THAT APPLIES	TYPE OF SPECIAL INSPECTION OR OBSERVATION	NAME AND ADDRESS OF INDIVIDUAL AND/OR FIRM PERFORMING INSPECTION OR OBSERVATION	CREDENTIALS (Enter acronym from page 4. If "Other please specify special training or basis f competency to perform work.)
	Inspection of Steel Construction Section 1705.2		
	Inspection of Concrete Construction Section 1705.3		
	Inspection of Masonry Construction Section 1705.4		
	Inspection of Wood Construction Section 1705.5		
	Inspection of Soil Conditions Section 1705.6		
	Inspection of Driven Deep Foundations Section 1705.7		
	Inspection of Cast-in-Place Deep Foundations Section 1705.8		
	Inspection of Helical Pile Foundations Section 1705.9		

CHECK EACH THAT APPLIES	TYPE OF SPECIAL INSPECTION OR OBSERVATION	NAME AND ADDRESS OF INDIVIDUAL AND/OR FIRM PERFORMING INSPECTION OR OBSERVATION	CREDENTIALS (Enter acronym from page 4. If "Other," please specify special training or basis for competency to perform work.)
	Inspection of Fabricated Items Section 1705.10		
	Inspection for Wind Resistance Section 1704.6; 1705.11		
	Inspection and Testing for Seismic Resistance Section 1704.6;1705.12;1705.13		
	Inspection of Sprayed Fire-Resistant Materials Section 1705.14		
	Inspection of Mastic and Intumescent Fire-Resistant Coatings Section 1705.15		
	Inspection of Exterior Insulation and Finish System (EIFS) Section 1705.16		
	Inspection of Fire-Resistant Penetrations and Joints Section 1705.17		
	Testing for Smoke Control Section 1705.18		

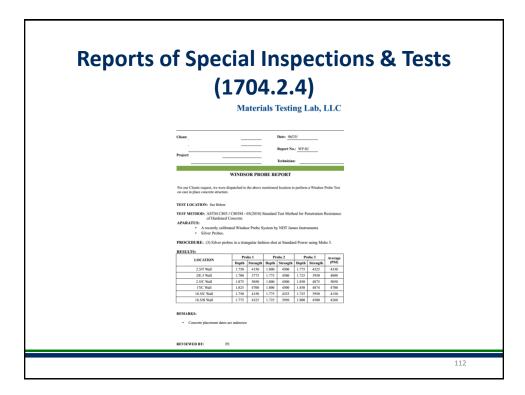


	Required special inspections	or observa	tions:
		uction uction ion undations eep Foundat idations e report on e	Inspection of Fabricated Items Inspection for Wind Resistance Inspection and Testing for Selsmic Resistance Inspection of Sprayed Fire-Resistant Materials Inspection of Mastic and Intumescent Fire-Resistant Coatings Inspection of Exterior Insulation and Finish System (EIFS) Inspection of Exterior Insulation and Finish System (EIFS) Inspection of Fire-Resistant Penetrations and Joints Testing for Smoke Control ach of the Inspections or observations checked above. These reports indicate that epartment-approved plans and specifications and all applicable provisions of the Signature of Design Professional in Responsible Charge: Date signed:
		ACI	American concrete institute certified concrete field testing technician American welding society certified welding inspector
		ASNT	American society of non-destructive testing
KEY for i	use in CREDENTIALS column:	AWCI	Association of wall and ceiling industries
	(on pages 2, 3 and 4)	MCA	Model code agency (ICC, BOCA, SBCCI, ICBO) special inspection certification
		PA	Professional architect (currently licensed)
		PE	Professional engineer (currently licensed)

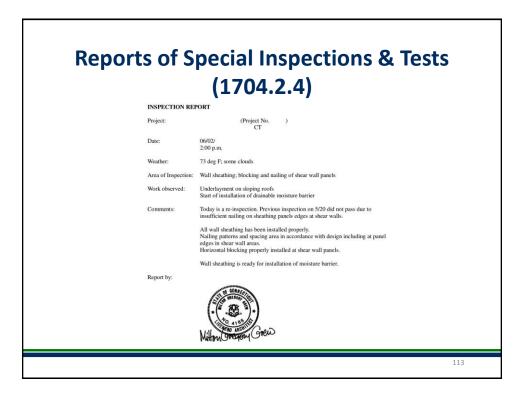


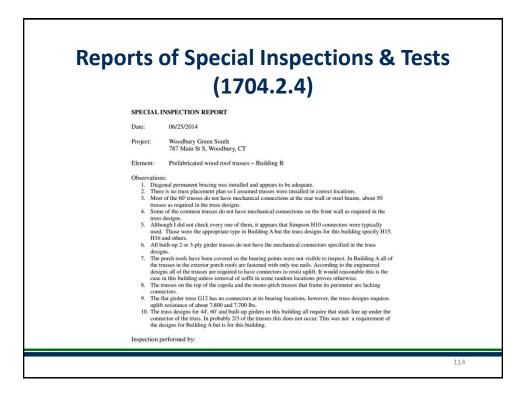


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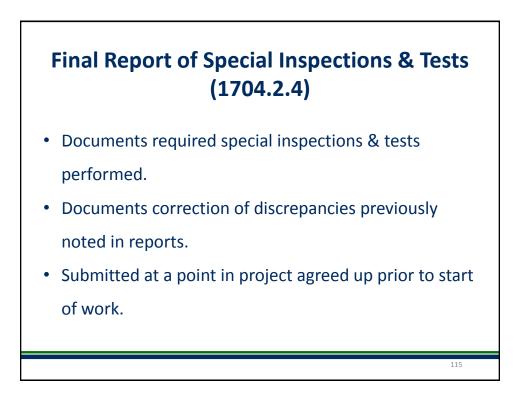


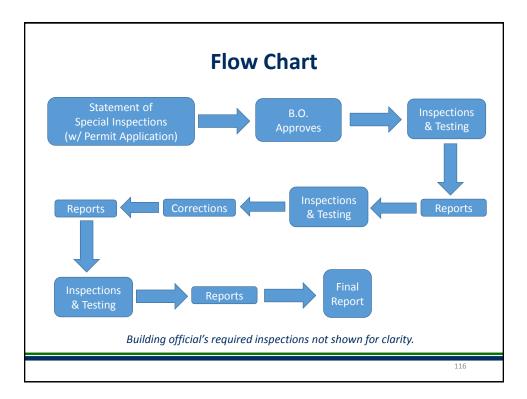




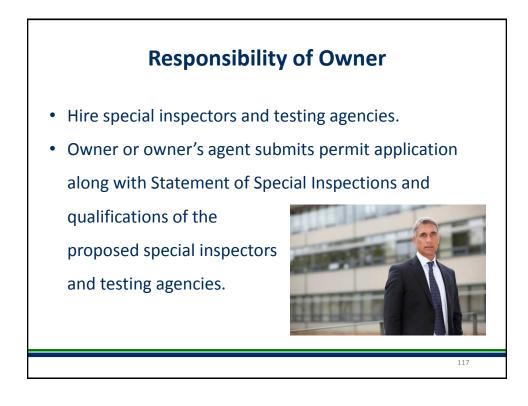


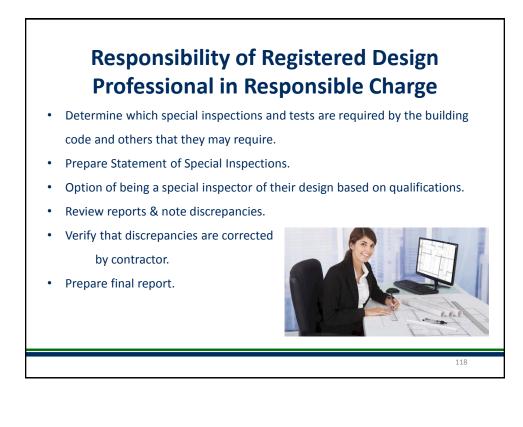






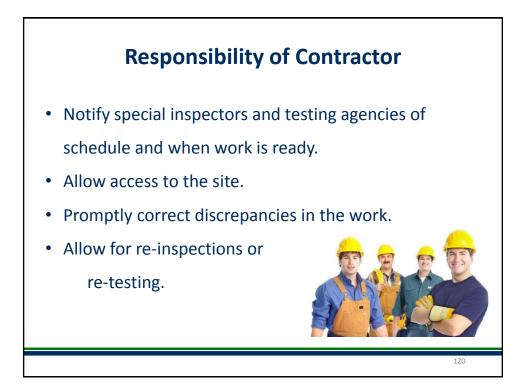




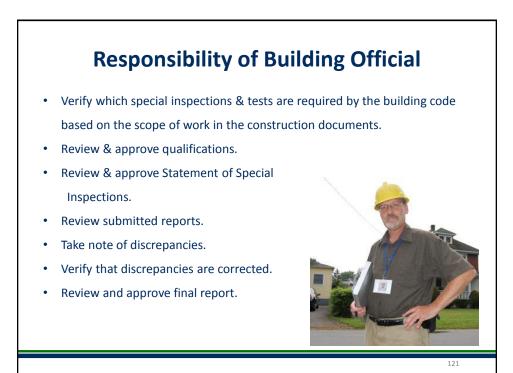


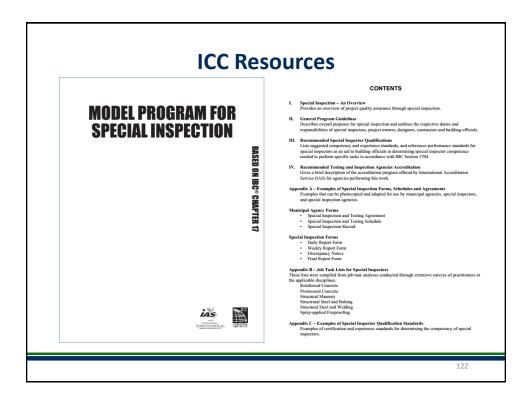




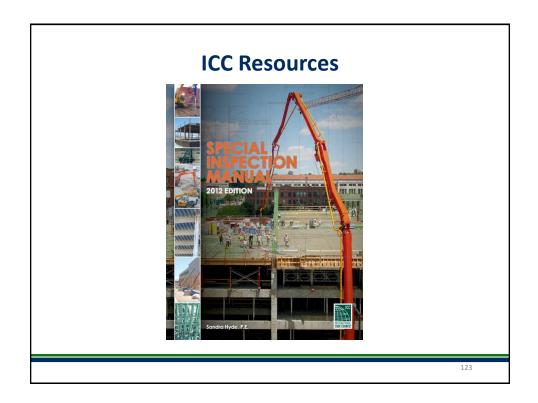


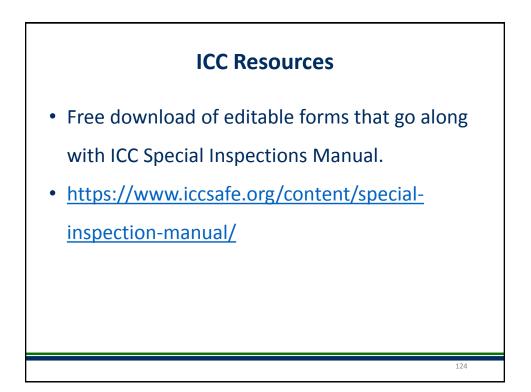














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