



WASHINGTON ASSOCIATION OF BUILDING OFFICIALS  
SPECIAL INSPECTION REGISTRATION PROGRAM

**AGENCY FACILITIES, EQUIPMENT, RECORDS, AND  
PERSONNEL SURVEY CHECKLIST**

(2/24)

**Survey Preparations by The Agency**

On the day of the agency survey/inspection, the agency should:

- ☐ have a conference room in which the survey/inspection team and the supervising laboratory technician can meet and work
- ☐ have supervising testing personnel available and prepared to participate
- ☐ have samples all applicable equipment available (including any item on the list of field or laboratory equipment needed to perform the test or inspection in each of the categories for which the agency has applied for registration)
- ☐ have testing and project records accessible for review

**1. AGENCY AND KEY PERSONNEL**

Survey/Inspection Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Agency \_\_\_\_\_ EIN No. \_\_\_\_\_  
(Name)

\_\_\_\_\_  
(City) (State) (Zip Code)

Agency Contact \_\_\_\_\_  
(Name) (Title/Position)

Agency Contact Phone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

Agency Contact (E-mail) \_\_\_\_\_

Technical Director \_\_\_\_\_  
(Name)

Supervising Laboratory Technician \_\_\_\_\_  
(Name)

Special Inspection Field Supervisor \_\_\_\_\_  
(Name)

Special Inspection Field Supervisor \_\_\_\_\_  
(Name)

Special Inspection Field Supervisor \_\_\_\_\_  
(Name)

## AGENCY SURVEY CHECKLIST

Registration is for the following type(s) of (testing and inspection) work:

- |   |  |
|---|--|
| <input type="checkbox"/> Reinforced Concrete (RC)*          | <input type="checkbox"/> Spray-Applied Fire-Resistive Materials (FP) |
| <input type="checkbox"/> Prestressed Concrete (PC)**        | <input type="checkbox"/> Structural Wood (SWD)                       |
| <input type="checkbox"/> Shotcrete (SC)**                   | <input type="checkbox"/> Mass Timber Endorsement (MT)***             |
| <input type="checkbox"/> Structural Masonry (SM)            | <input type="checkbox"/> Cold-Formed Steel Framing (CF)              |
| <input type="checkbox"/> Structural Steel and Bolting (SSB) | <input type="checkbox"/> Post-Installed Anchors (PA)                 |
| <input type="checkbox"/> Structural Welding (SW)            | <input type="checkbox"/> Fire-Resistant Penetrations and Joints (FS) |

\* Requires current ACI certification as an ACI Field Technician-Grade 1.

\*\* Reinforced Concrete registration is a prerequisite for obtaining this inspection registration.

\*\*\* Structural Wood registration is a prerequisite for obtaining this inspection registration endorsement.

WABO Agency Inspection Team:

_____	_____
(Name)	(Name)
_____	_____
(Name)	(Name)

### Agency Survey Explanation-

Registration of an agency is based on an assessment of an Agency Registration Application, and accompanying Applicant Qualification Documentation, and an agency on-site facilities, equipment, and records survey/inspection. Below is a list of the items the survey/inspection team will confirm when inspecting an agency.

### Agency Survey Team Directions-

For items below, if an item is confirmed place a check in the space; if an item is deficient, place a number in the space to coincide with the numbered deficiency explanations on the final page of this checklist.

## 2. QUALITY ASSURANCE

- ☐ Confirmed sample pickup procedures
- ☐ Confirmed sample pickup transportation methods
- ☐ Confirmed sample log-in system
- ☐ Confirmed sample marking methods
- ☐ Confirmed sample sorting/storage methods
- ☐ Confirmed method of correcting logbook entry errors
- ☐ Confirmed records include sample receipt date
- ☐ Confirmed traceability of samples to inspection reports and testing reports issued by the agency

## AGENCY SURVEY CHECKLIST

**DIRECTIONS:** Obtain at least three (3) different commercial construction projects (one large concrete project, a masonry project, and one small to medium concrete project) and select samples received approximately three to six months prior to the audit to ensure all the tests and reports should be in a completed file.

<u>Job/ID Name/No.</u>	<u>Date Cast</u>	<u>Sample ID No.</u>	<u>Sample Type</u>	<u>Break-log Value</u>	<u>Report Value</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Section 2 Inspector Notes:

### 3. EQUIPMENT CALIBRATION AND MAINTENANCE

**DIRECTIONS:** Copy the ID No., description, and calibration sticker information (e.g. date due) of six different types of equipment surveyed in the lab. Include any and all nonconforming items found. Use this list to complete the checking of the calibration records and equipment lists in the Records Section.

<u>Equipment ID No.</u>	<u>Description</u>	<u>Calibration Sticker</u>	<u>Equipment Log Entry</u>	<u>Calibration Documentation</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Section 3 Inspector Notes:

## AGENCY SURVEY CHECKLIST

### 4. REGISTRATION CATEGORIES/TYPES OF WORK

#### 4.1 REINFORCED CONCRETE AND PRESTRESSED CONCRETE

##### 4.1.1 Laboratory Equipment:

- ☐R Confirmed adequate facilities for curing concrete specimens in accordance with ASTM Method C192  
(**NOTE:** These facilities may consist either of a thermostatically controlled fog room with required temperature and humidity control or thermostatically controlled tanks containing saturated lime solution.)
- ☐ Confirmed curing room temperatures and humidity are being maintained, or
- ☐ Confirmed curing tank temperature, humidity and water solutions are being maintained
- ☐R Confirmed a screw (or hydraulic) type compressive testing machine with sufficient capacity to test concrete specimens
- ☐R 250,000 lbs. (normal strength concrete)
- ☐ 400,000 lbs. (high strength concrete)  
(**NOTE:** The testing machine shall conform to all the requirements of ASTM Practices E4, Load Verification of Testing Machines and ASTM Test Method C39 for Compressive Strength of Cylindrical Concrete Specimens. The machine shall be verified annually in accordance with ASTM Practices E4 and documentation of verification shall be available.)
- ☐R Confirmed adequate equipment/facilities for preparing concrete test specimens in accordance with ASTM Method C192, Making and Curing Concrete Test Specimens in the Laboratory
- ☐R Confirmed that paperwork has been maintained regarding lab verification that equipment conforms to ASTM specifications, i.e. single use molds, reusable molds, flexural beam molds, cube molds
- ☐R Confirmed that physical testing of capping compounds conform to ASTM guidelines and that test records are maintained
- ☐ Confirmed, that equipment prescribed for the following ASTM test methods conforms to ASTM guidelines and that the lab is maintaining equipment maintenance and applicable calibrating records.
- ☐ C142, Test Methods for Clay Lumps and Friable Particles in Aggregate
  - ☐ Balance to .1% of weight of test sample
  - ☐ Oven (temperature 110 +/- 5 degrees)
- ☐ C123, Test Method for Lightweight Pieces and Aggregate
  - ☐ Balance to .1 g
  - ☐ # 50/ 4 sieve
  - ☐ Hydrometer

\*R=minimum requirement

## AGENCY SURVEY CHECKLIST

- \_\_\_ C117, Test Method for Materials Finer Than #200 Sieve in Mineral Aggregates by Washing  
(**NOTE:** Includes physical inspection of sieves)  
\_\_\_R # 200/ 16 sieve  
\_\_\_R Oven  
\_\_\_R Dispersing agent (i.e. dish washing soap)
- \_\_\_ C40, Test Method for Organic Impurities in Fine Aggregates for Concrete  
\_\_\_R Reference card or color solutions  
\_\_\_R Solution or sodium hydroxide to make solution  
\_\_\_R Graduated glass container
- \_\_\_ C136, Method of Sieve Analysis of Fine and Coarse Aggregates  
(**NOTE:** Includes physical inspection of sieves)  
\_\_\_R Balance  
\_\_\_R Sieves
- \_\_\_ C128, Test Method for Specific Gravity and Absorption of Fine Aggregate  
\_\_\_R Cone & Tamper  
\_\_\_R Balance  
\_\_\_R Pycnometer Jar
- \_\_\_ C127, Test Method for Specific Gravity and Absorption of Course Aggregate.  
\_\_\_R Balance  
\_\_\_R Water tank  
\_\_\_R Wire mesh container
- \_\_\_ C566, Test Method for Total Moisture Content of Aggregates by Drying  
\_\_\_R Balance  
\_\_\_R Oven (temperature 110 +/- 5 degrees)
- \_\_\_ C29, Test Method for Unit Weight and Voids in Aggregate  
\_\_\_R Balance  
\_\_\_R Tamping rod  
\_\_\_R Unit weight bucket  
\_\_\_R Plate glass
- \_\_\_ Test for flexural strength of concrete in accordance with ASTM Test Methods C31 and C78, for Flexural Strength of Concrete  
(**NOTE:** Using Simple Beam and Third-point Loading)
- \_\_\_ ASTM C131, Test Methods for Resistance to Degradation of Small Size Coarse Aggregate by Abrasion and Impact (Los Angeles Machine)  
\_\_\_ In-house  
\_\_\_ External

\*R=minimum requirement

## AGENCY SURVEY CHECKLIST

- \_\_\_ ASTM C88, Test Method for Soundness of Aggregates  
(Sodium Sulfate or Magnesium Sulfate & Hydrometer)
  - \_\_\_ In-house
  - \_\_\_ External
- \_\_\_ Physical and chemical analysis of cement (Chemistry Laboratory)
  - \_\_\_ In-house
  - \_\_\_ External
- \_\_\_ Testing of curing compounds, admixtures and related material  
(Chemistry Laboratory)
  - \_\_\_ In-house
  - \_\_\_ External
- \_\_\_ Determination of modulus of elasticity (Jig with Dial Gauges and  
Break Machine)
  - \_\_\_ In-house
  - \_\_\_ External
- \_\_\_ A screw (or hydraulic) type testing machine of sufficient capacity to  
test any tendon specimen which may be involved-normally a multiple  
range machine with at least 200,000 lb. capacity, jaws extensometer
  - \_\_\_ In-house
  - \_\_\_ External

### 4.1.2 Field Inspection:

- \_\_\_ Confirmed that the lab is maintaining calibration logs on the  
equipment required for the following ASTM test methods and that they  
are verifying that personnel is performing testing as per guidelines:
- \_\_\_ C231, Test Method for Air Content of Freshly Mixed Concrete by the  
Pressure Method (air meters)
  - \_\_\_R Air pot
  - \_\_\_ C173, Test Method for Air Content of Freshly Mixed  
Concrete by the Volumetric Method
  - \_\_\_ Volume metric type air meter-"roll-o-meter"
  - \_\_\_ C31, Test Method for Making and Curing Concrete Test  
Specimens in the Field
  - \_\_\_R Cylinder molds
  - \_\_\_R Tamping rods
- \_\_\_ C172, Test Method of Sampling Freshly Mixed Concrete
  - \_\_\_R Cylinder molds
  - \_\_\_R Tamping rods
- \_\_\_ C143, Test Method for Slump of Portland Cement Concrete
  - \_\_\_R Slump cones
  - \_\_\_R Tamping rods
  - \_\_\_R Scoop

\*R=minimum requirement

## AGENCY SURVEY CHECKLIST

- \_\_\_ C138, Test Method for Unit Weight, Yield and Air Content (Gravimetric) of Concrete
  - \_\_\_R Air pot
  - \_\_\_R Strike-off plate
  - \_\_\_R Thermometer
- \_\_\_ C1064, Test Method for Temperature of Freshly Mixed Concrete
  - \_\_\_R Thermometer

Category (Reinforced Concrete and Prestressed Concrete) Inspector Notes:

### 4.2 SHOTCRETE

(Reinforced Concrete registration is a prerequisite for this registration)

#### 4.2.1 Laboratory Equipment:

- \_\_\_ Confirmed coring equipment (or access to equipment) capable of removing samples from shotcrete panels
  - \_\_\_R Coring machine
  - \_\_\_R Compression machine
- \_\_\_R Confirmed equipment (or access to equipment) for preparing perpendicular core ends
  - \_\_\_ Cut-off saw

Category (Shotcrete) Inspector Notes:

### 4.3 STRUCTURAL MASONRY

#### 4.3.1 Laboratory Equipment:

- \_\_\_R Confirmed a screw (or hydraulic) type compression machine of sufficient capacity to test any specimen which may be involved in masonry construction - normally a multiple range machine with at least 250,000 lb. capacity.  
(**(NOTE:** A 500,000 lb. capacity machine should be accessible)  
(The testing machine shall conform to all the requirements of ASTM E4, "Load Verification Testing Machines." The machine shall be calibrated annually and a report giving details of the calibration shall be readily available.)

\*R=minimum requirement

## AGENCY SURVEY CHECKLIST

- ☐R Confirmed adequate facilities for curing mortar and grout specimens in accordance with ASTM C192.
  - ☐ Curing room temperature and humidity are being maintained, or
  - ☐ Curing tank temperature and water solutions are being maintained
- ☐R Confirmed adequate facilities and equipment for testing mortar in accordance with ASTM C780 & grout in accordance with 4 ASTM C1019
- ☐R Confirmed adequate procedures and documentation pertaining to verification that equipment conforms to IBC and ASTM specifications, e.g. single use molds, reusable molds, and cube molds
- ☐R Confirmed that physical testing of capping compounds conforms to ASTM guidelines and that test records are maintained
- ☐R Confirmed adequate facilities for curing prisms in accordance with ASTM C1314
- ☐R Confirmed adequate facilities for capping prisms in accordance with ASTM C1314
- ☐R Confirmed use of proper loading platens of thickness and hardness in accordance with ASTM C1314

Category (Structural Masonry) Inspector Notes:

### 4.4 STRUCTURAL STEEL AND BOLTING

#### 4.4.1 Laboratory Equipment:

- ☐ Confirmed access to facilities for mechanical testing of steel
  - ☐ In-house
  - ☐ External
- ☐ Confirmed access to facilities for analysis of constituents and alloying elements of structural steel (Chemistry Laboratory)
  - ☐ In-house
  - ☐ External

\*R=minimum requirement



## AGENCY SURVEY CHECKLIST

### 4.4.2 Field Inspection:

- \_\_\_ Confirmed the following equipment:
- \_\_\_R Steel tape, rule, calipers and other appropriate measuring equipment
  - \_\_\_R Inspector's identification stamp or tags
  - \_\_\_R Torque wrench for high strength bolts
  - \_\_\_R Tension calibration device (Skidmore or equivalent)
  - \_\_\_R Feeler gauges for load indicator washers

Category (Structural Steel & Bolting) Inspector Notes:

## 4.5 STRUCTURAL WELDING

### 4.5.1 Laboratory Equipment:

- \_\_\_ Confirmed access to facilities for mechanical testing of welded samples
- \_\_\_ In-house
  - \_\_\_ External

### 4.5.2 Field Inspection:

- \_\_\_ Confirmed the following equipment:
- \_\_\_R Steel tape, rule, calipers and other appropriate measuring equipment
  - \_\_\_R Weld dimension gage
  - \_\_\_R Weld viewing shield
  - \_\_\_R Strong hand light
  - \_\_\_R Thermometer or temperature measuring crayons
  - \_\_\_R Inspector's identification stamp or tags

\*R=minimum requirement

## AGENCY SURVEY CHECKLIST

### 4.5.3 Nondestructive Testing:

\_\_\_ Confirmed access to nondestructive testing which meets the requirements of ASTM E543, Practice for Determining the Qualifications of Nondestructive Testing Agencies

\_\_\_ In-house

\_\_\_ External

Category (Structural Welding) Inspector Notes:

## 4.6 SPRAY – APPLIED FIRE – RESISTIVE MATERIALS

### 4.6.1 Laboratory Equipment:

\_\_\_R Confirmed oven capable of drying samples to constant weight at 120 degrees F and fifty percent (50%) relative humidity.

\_\_\_R Confirmed scales of sufficient accuracy for obtaining dry weight

\_\_\_ Glass Beads

\_\_\_ Funnel

\_\_\_ 200 mL container

### 4.6.2 Field Inspection:

\_\_\_R Confirmed procedures used for sampling of materials

\_\_\_ Confirmed the following equipment

\_\_\_R Depth measuring devices

\_\_\_R Template

\_\_\_R Tape

\_\_\_R Adhesion equipment

\_\_\_R Epoxy

\_\_\_R Jar lids

\_\_\_R Calibrated scale

\*R=minimum requirement

Category (Spray-applied Fire-resistive Materials) Inspector Notes:

## AGENCY SURVEY CHECKLIST

### 4.7 STRUCTURAL WOOD

#### 4.7.1 Laboratory Equipment (N/A)

##### 4.7.1.1 Laboratory Equipment – Mass Timber (N/A)

#### 4.7.2 Field Inspection

\_\_\_ Confirmed the following equipment:  
\_\_\_R Moisture Meter  
\_\_\_R Tape Measure  
\_\_\_R Pull Test Assembly

##### 4.7.2.1 Field Inspection – Mass Timber

\_\_\_ Confirmed the following equipment:  
\_\_\_R Wood Moisture Meter  
\_\_\_R Tape Measure  
\_\_\_R Pull Test Assembly  
\_\_\_R Protractor  
\_\_\_R Torque Wrench  
\_\_\_R Outside Calipers

Category (Structural Wood) Inspector Notes:

### 4.8 COLD – FORMED STEEL FRAMING

#### 4.8.1 Laboratory Equipment (N/A)

#### 4.8.2 Field Inspection

\_\_\_R Fillet Weld Gauge  
\_\_\_R Magnifying Glass  
\_\_\_R Flashlight  
\_\_\_R Steel Tape, Rule, Caliper  
\_\_\_R Weld Viewing Shield

\*R=minimum requirement

Category (Cold-Formed Steel Framing) Inspector Notes:

## AGENCY SURVEY CHECKLIST

### 4.9 POST – INSTALLED ANCHORS

#### 4.9.1 Laboratory Equipment (N/A)

#### 4.9.2 Field Inspection

- ☐R Pull Test Assembly
- ☐R Steel Tape, Ruler, Caliper
- ☐R Torque Wrench

Category (Post-Installed Anchors) Inspector Notes:

### 4.10 FIRE – RESISTANT PENETRATIONS AND JOINTS

#### 4.10.1 Laboratory Equipment:

- ☐R Calibrated scale/balance
- ☐R Thickness Gauge
- ☐R Outside Caliper
- ☐R Mil Thickness Gauge

#### 4.10.2 Field Inspection:

- ☐R Razor Knife
- ☐R Steel tape measure, ruler
- ☐R Thickness Gauge/depth measuring device
- ☐R Outside/Digital Caliper
- ☐ Strong hand light
- ☐ Magnifying glass
- ☐ Inspector identification markers
- ☐ Drill bits
- ☐ Spatula or putty knife
- ☐R Mil Thickness Gauge

Inspection procedure and required forms:

- ☐ Inspection procedure for E 2174
- ☐ Inspection procedure for E 2393
- ☐ Inspection forms for E-2174
- ☐ Inspection forms for E -2393

\*R=minimum requirement

Category (Fire-Resistant Penetrations and Joints) Inspector Notes:

**5. CODES AND STANDARDS – *current edition per Washington State Building Code***

**5.1 BASIC (any and all types of work)**

**5.1.1** International Building Code

**5.1.2** American Society for Testing and Materials (ASTM) Standards (applicable to the types of work performed by the agency)

**5.2 REINFORCED CONCRETE**

**5.2.1** American Concrete Institute (ACI) Standard 318

**5.2.2** American Concrete Institute (ACI) Collection of Concrete Codes, Specifications, and Practices 9-Volume Set

**5.2.3** American Concrete Institute (ACI) Manual of Concrete Inspection (MNL-2/ACI-311.1R)

**5.2.4** Portland Cement Association (PCA) Design & Control of Concrete Mixtures

**5.2.6** Concrete Reinforcing Steel Institute (CRSI) Manual of Standard Practice

**5.3 STRUCTURAL MASONRY**

**5.3.1** Masonry Institute (MI) Inspectors Handbook Reinforced Concrete Masonry Construction

**5.3.2** Masonry Institute (MI) Reinforced Grouted Brick Masonry

**5.3.3** TMS 402/602 Building Code Requirements and Specifications for Masonry Structures

**5.4 PRESTRESSED CONCRETE**

**5.4.1** Manual for Quality Control for Plants and Production of Precast and Prestressed Concrete Products (PCI Manual 116)

**5.4.2** Field Procedures Manual for Unbonded Single Strand Tendons (PTI)

**5.5 STRUCTURAL STEEL AND BOLTING**

**5.5.1** American Institute for Steel Construction (AISC) Manual of Steel Construction

**5.5.2** American Institute for Steel Construction (AISC) 341 – Chapter J “Special Inspection of Seismic Force-resisting Systems”

**5.5.3** American Institute for Steel Construction (AISC) 360 - Chapter N “Minimum Requirements for Inspection of Structural Steel Buildings”

**5.5.4** Steel Joist Institute (SJI) Code of Standard Practice

## **5.6 STRUCTURAL WELDING**

- 5.6.1** American Welding Society (AWS) Structural Welding Code - Steel (D1.1)
- 5.6.2** American Welding Society (AWS) Structural Welding Code - Sheet Steel (D1.3)
- 5.6.3** American Welding Society (AWS) Structural Welding Code - Reinforced Steel (D1.4)
- 5.6.4** Structural Welding Code – Seismic Supplement (AWS D1.8)
- 5.6.5** American Welding Society (AWS) Guide for Visual Inspections of Welds (AWS B1.11)
- 5.6.6** AWS Standard Symbols for Welding (A2.4)

## **5.7 SPRAY – APPLIED FIRE – RESISTIVE MATERIALS**

- 5.7.1** Standard Practice for Testing and Inspection of Field Applied Sprayed Fire-Resistive Materials (AWCI 12A)
- 5.7.2** Standard Practice for the Testing and Inspection of Thin-Film Intumescent Fire-Resistant Materials (AWCI 12B)
- 5.7.3** ASTM E605 Standard Test Methods for Thickness and Density of Sprayed Fire-Resistive Materials (SFRM) Applied to Structural Members
- 5.7.4** ASTM E736 Standard Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

## **5.8 STRUCTURAL WOOD**

- 5.8.1** International Building Code
- 5.8.2** American Wood Council (AWC) – National Design Specification (NDS) for Wood Construction with Commentary
- 5.8.3** American Plywood Association Introduction to Lateral Design
- 5.8.4** American Plywood Association Engineered Wood Construction Guide
- 5.8.5** American Wood Council Special Design Provision for Wind and Seismic (SDPWS)
- 5.8.6** ASTM – F1667 Standard Specification for Driven Fasteners: Nails, Spikes and Staples

## **5.9 MASS TIMBER**

- 5.9.1** International Building Code
- 5.9.2** ANSI/APA PRG 320 Standard for Performance-Rated Cross-Laminated Timber
- 5.9.3** CLT Handbook
- 5.9.4** Nail Laminated Timber US Design Construction Guide
- 5.9.5** Connectors Design Guide MytiCon (MTC)
- 5.9.6** American Wood Council (AWC) – National Design Specification (NDS) for Wood Construction with Commentary
- 5.9.7** Simpson Strong-Tie Fastening Systems Technical Guide – Mass Timber / Cross – Laminated Timber Fastening

## **5.10 COLD-FORMED STEEL FRAMING**

- 5.10.1** International Building Code (Chapter 2, 17 and 22)
- 5.10.2** ASTM C955 Standard Specification for Load Bearing Traverse and Axial Steel Studs, Runners, Tracks & Bracing or Bridging, for Screw Application of Gypsum Panel Products & Metal Plaster Bases
- 5.10.3** ASTM C 1007 – Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories
- 5.10.4** ASTM C 1513 Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections
- 5.10.5** AISI S230 Prescriptive Methods for 1 and 2 Family Dwellings
- 5.10.6** AISI S240 North America Standard for Cold-Formed Steel Structural Framing
- 5.10.7** AISI S400 North American Standard for Seismic Design of Cold-formed Steel Structural Systems
- 5.10.8** AWS D1.3 Structural Welding Code - Sheet Steel
- 5.10.9** SSMA Product Technical Information from the Steel Stud Manufacturers Association

## **5.11 SHOTCRETE**

- 5.11.1** International Building Code
- 5.11.2** Guide to Shotcrete (ACI 506R)
- 5.11.3** Specification for Shotcrete (core grading standard) 506.2.13
- 5.11.4** ASTM C1140 Standard Practice for Preparing and Testing Specimens from Shotcrete Test Panels
- 5.11.5** ASTM C1385 Standard Practice for Sampling Materials for Shotcrete
- 5.11.6** ASTM C1604 Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete

## **5.12 POST – INSTALLED ANCHORS**

- 5.12.1** Building Code Requirements for Structural Concrete (ACI 318)
- 5.12.2** Qualification of Post-Installed Expansive Anchors in Concrete (ACI 355.2)
- 5.12.3** Qualification of Post-Installed Adhesive Anchors in Concrete (ACI 355.4)

## **5.13 FIRE – RESISTANT PENETRATIONS AND JOINTS**

- 5.13.1** International Building Code
- 5.13.2** ASTM E2174 Standard Practice for On-Site Inspection of Installed Firestop Systems
- 5.13.3** ASTM E2393 Standard Practice for On-Site Inspection of Installed Fire-Resistive Joint Systems and Perimeter Fire Barriers
- 5.13.4** ICC Special Inspection Manual

Section 5 Inspector Notes:

## 6. EQUIPMENT AND PROJECT RECORDS

### 6.1 EQUIPMENT

- \_\_\_ Confirmed and reviewed equipment calibration procedures, practices and record keeping system  
(**NOTE:** All calibrations shall be traceable to the National Bureau of Standards and calibrations shall be performed at frequencies as set forth in national standards. If a standard test method requires equipment calibration for which a frequency is not specified, then the agency shall establish a frequency which is consistent with existing guidelines.)
- \_\_\_ Confirmed equipment maintenance practices and record keeping system
- \_\_\_ Confirmed equipment log being maintained
- \_\_\_ Confirmed maintenance schedule is being adhered to
- \_\_\_ Confirmed procedures for marking equipment are being followed
- \_\_\_ Confirmed that calibration stickers are being placed on the equipment requiring calibration
- \_\_\_ Confirmed lists of field inspection equipment assigned to or provided by inspectors is being maintained

### 6.2 PROJECT

- \_\_\_ Confirmed a system of dispatching qualified inspectors
- \_\_\_ Confirmed a system of documenting and maintaining training records
- \_\_\_ Confirmed that test results, log book entries, and reports can be correlated
- \_\_\_ Confirmed method of reviewing test and inspection reports
- \_\_\_ Confirmed deficiency identification, reconciliation and reporting tracking system
- \_\_\_ Confirmed method for compiling final letter information
- \_\_\_ Confirmed that project files are being maintained which include
  - \_\_\_ Description of scope of inspections
  - \_\_\_ Test and inspection reports
  - \_\_\_ Meeting notes
  - \_\_\_ Deficiency records
  - \_\_\_ Final letter

Section 6 Records Inspector Notes: