Table 2 addresses the requirements for structural special inspections contained in Section 1704.

**Fabricators**

*Special inspections* required by Section 1705 are not required where the work is done on the premises of a fabricator registered and *approved* to perform such work without *special inspection*. Approval shall be based upon review of the fabricator’s written procedural and quality control manuals and periodic auditing of fabrication practices by a nationally recognized accrediting authority. At completion of fabrication, the *approved* fabricator shall submit a *certificate of compliance* to the *building official* stating that the work was performed in accordance with the *approved construction documents*.

**Concrete**

Table 1705.3 provides a checklist of verification and inspection duties for the special inspector.

**Shotcrete**

In the absence of requirements specified by the local jurisdiction, the requirements of ACI 506.2, Specification for Shotcrete, and ASTM C1140, Standard Practice for Preparing and Testing Specimens from Shotcrete Test Panels, should be referenced. It appears the IBC does not reference a standard for evaluation of shotcrete cores and does not include requirements for evaluation of the pre-construction test panels and visual examination of the structural soundness of the in-place structure. The code has special requirements for minimum spacing of reinforcing steel that utilizes the non-contact lap splice method. These requirements can be revised when approved by the building official based on satisfactory completion of pre-construction tests that show that adequate encasement of the bars will be achieved.

**Masonry**

The level of quality assurance is determined by the Risk Category of the structure from ASCE 7-10.

Level A Quality Assurance (Table 1.19.1) is for Risk Category I, II, or III designed per chapters 5, 6 or 7 of the MSJC.

Level B Quality Assurance (Table 1.19.2) is for Risk Category IV structures designed per chapters 6 or 7 of the MSJC or Risk Category I, II, or III designed structures with chapters other than 5, 6 or 7.

Level C Quality Assurance (Table 1.19.3) is for Risk Category IV structures designed with chapters other than chapters 5, 6 or 7.

**Steel**

This section applies to structural steel and steel construction other than structural steel. A notable change for special inspections of structural steel from the 2012 IBC is that special inspections shall be in accordance with Section 1705 and Table 1705.2 of the *2014 OSSC*.

**Cold Formed Steel Framing**

This section applies to the welding of cold formed steel framing and restraint/bracing of long-span, cold-formed steel trusses.

**Post Installed Concrete Anchors**

This section applies to inspection of post installed concrete anchors such as expansion anchors, adhesive anchors, etc. Special inspection of post-installed anchors has been explicitly added in the 2014 OSSC to Table1705.3, and Tables 1.19.2 and 1.19.3 of the TMS 402-11/ACI 530-11/ASCE 5-11.

**Aluminum**

This section applies to the fabrication and erection of aluminum structures and components.

**Wood**

This is a new category of special inspections that includes prefabricated wood structural elements and assemblies as well as high-load diaphragms and restraint/bracing of long-span wood trusses.