11A.2.1.2 ASTM A615 Reinforcing Steel

Where ASTM A615 reinforcing steel is used to resist earthquake-induced flexural and axial forces in special moment frames and in wall boundary elements of shear walls in structures assigned to Seismic Design Categories D, E, or F, verify that the requirements of Section 21.2.5.1 of ACI 318 have been satisfied.

11A.2.1.3 Welding of ASTM A615 Reinforcing Steel

Where ASTM A615 reinforcing steel is to be welded, verify that chemical tests have been performed to determine weld ability in accordance with Section 3.5.2 of ACI 318.

11A.2.2 Structural Concrete

Samples of structural concrete shall be obtained at the project site and tested in accordance with requirements of Section 5.6 of ACI 318.

11A.2.3 Structural Masonry

Quality assurance testing of structural masonry shall be in accordance with the requirements of ACI 530/ASCE 5/TMS 402 or ACI 530.1/ASCE 6/TMS 602.

11A.2.4 Structural Steel

Testing for structural steel shall be in accordance with the quality assurance plan requirements of AISC 341.

11A.2.5 Seismic-Isolated Structures

For required system tests, see Section 17.8.

11A.2.6 Mechanical and Electrical Equipment

The special inspector shall examine mechanical and electrical equipment that is a designated seismic system and shall determine whether its anchorages and label conform with the certificate of compliance.

11A.3 STRUCTURAL OBSERVATIONS

Structural observations shall be provided for those structures included in Seismic Design Categories D, E, or F where one or more of the following conditions exist:

1. The structure is included in Occupancy Category III or IV.
2. The height of the structure is greater than 75 ft (22.9 m) above the base.
3. The structure is assigned to Seismic Design Category E and Occupancy Category I or II and is greater than two stories in height.

Structural observations shall be performed by a registered design professional. Observed deficiencies shall be reported in writing to the owner and the authority having jurisdiction.

11A.4 REPORTING AND COMPLIANCE PROCEDURES

Each special inspector shall furnish to the authority having jurisdiction, registered design professional in responsible charge, the owner, the persons preparing the quality assurance plan, and the contractor copies of regular weekly progress reports of his or her observations, noting therein any uncorrected deficiencies and corrections of previously reported deficiencies. All deficiencies shall be brought to the immediate attention of the contractor for correction. At completion of construction, each special inspector shall submit a final report to the authority having jurisdiction certifying that all inspected work was completed substantially in accordance with approved construction documents. Work not in compliance shall be described in the final report. At completion of construction, the building contractor shall submit a final report to the authority having jurisdiction certifying that all construction work incorporated into the seismic force-resisting system and other designated seismic systems was constructed substantially in accordance with the approved construction documents and applicable workmanship requirements. Work not in compliance shall be described in the final report. The contractor shall correct all deficiencies as required.