



## Mock Exercise Instructions for Erector Seismic Endorsement

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### 1. Scope

For applicability, see the *Supplemental Program Requirements for Structural Steel Erectors*.

### 2. Assembly Instructions

1. The mock exercise demonstration shall produce a welded assembly as described in AWS D1.8 Structural Welding Code- Seismic Supplement, Clause 5.1, Supplemental Welder Qualification Testing.
2. The weld shall be a Demand Critical complete joint penetration groove weld.
3. The use of Figure D.1 or D.2 in Annex D shall be the Erector's preference.
4. All welding shall be performed by a certified welder using a valid AWS D1.8 WPS.

### 3. General Instructions

1. The erector's welding crew shall follow all applicable safety requirements of their Safety Management System and quality requirements of their Quality Management System.
2. The erector shall prepare a Site Specific Safety and Erection Plan for the mock exercise.
3. The auditee shall be responsible for the required inspections shown in Table 1.
4. NDT and Mechanical testing shall not be required for this exercise.
5. The auditor shall monitor the welding operation. The auditor may request alternate sequences in agreement with the auditee to meet unforeseen site conditions.



**TABLE 1 Sequencing of Erection, Inspection and Audit Activities**

<b>Erection Activity</b>	<b>Inspection Instructions</b>	<b>Audit Activities</b>
Weld joint Fit-up	Perform and document required inspection tasks in accordance with ANSI/AISC 341 - Seismic Provisions for Structural Steel Buildings, Chapter J.	<p>The on-site auditor shall observe the completed fit-up of the weld joint.</p> <p>The erector's QC and inspection records shall be made available for the onsite auditor to review.</p>
Welding	Perform and document required inspection tasks in accordance with ANSI/AISC 341 - Seismic Provisions for Structural Steel Buildings, Chapter J.	<p>The on-site auditor shall observe the completed weld.</p> <p>The erector's QC and inspection records shall be made available for the onsite auditor to review.</p>
Final Inspection	Required final inspections shall be performed in accordance with the erector's Quality Management System.	The erector's QC and final inspection records shall be made available for the onsite auditor to review.