

## Code Compliance Inspection Checklist

### NON-STRUCTURAL STEEL Stud Framing Products (IBC / ASTM C645)

Requirement	Code Reference	Specification Requirements	What to Inspect	Compliant
Protective Coating	IBC 2006 / ASTM C645	4.2) Members shall have a protective coating conforming to Specification ASTM A653 - G40 minimum or shall have a protective coating with an equivalent corrosion resistance.	Confirm Print String data on Members for Coating Designation or measure thickness of coating.	Yes _____ No _____
Metal Thickness	IBC 2006 / ASTM C645	4.3) Members shall be manufactured from steel having a minimum thickness measurement of 0.0149".	Confirm with Micrometer	Yes _____ No _____
Marking & Identification of Individual Members	ASTM C645	14.1) Individual members shall have a legible label, stencil, embossment at a maximum of 48" on center, on the web of the member, with the following minimum information. 14.2.1) The roll formers identification as name, logo or initials. 14.2.2) The minimum steel thickness in mils or inches exclusive of the protective coating. 14.2.3) The minimum yield strength in ksi if other than 33ksi. 14.2.4) The minimum protective coating weight, G"XX", of other than as specified in Section 4. (G40 or equivalent corrosion resistance)	12.2) Confirm Print String data on Members	Yes _____ No _____
			12.2.1) Example: CRACO	Yes _____ No _____
			12.2.2) Confirm Print String data on Members	Yes _____ No _____
			12.2.3) Example: 50ksi	Yes _____ No _____
			12.2.4) Example: CP60	Yes _____ No _____
			12.3) Confirm Color Painted Ends on Members	Yes _____ No _____
Yield Strength	ASTM A1003	8.1) The mechanical properties of the steel sheet shall conform to the requirements of ST33H, ST37H, ST40H, ST50H. Each of these has a minimum yield strength equal to the number, for example ST33H has a minimum yield requirement of 33ksi.	Confirm Print String data on Member for ksi	Yes _____ No _____
Lateral Wall Bridging Standards	ASTM C	Install 1.5" CRC Continuous Horizontal Mechanical Wall Bridging ( <i>or equal</i> ) thru stud punchouts at 48" vertical intervals. Attach mechanical bridging to each stud web with Engineered Clip for Bridging and ends of CRC together with Engineered Splice Connector.	Confirm installation of Engineered Bridging Connectors	Yes _____ No _____
Deflection Allowance Connectors	ASTM C645	Install Deflection Allowance Connectors at all connection points of steel framing to primary structure.	Confirm installation of Slotted Engineered Deflection Connectors & Deflection Fasteners	Yes _____ No _____

## Code Compliance Inspection Checklist

### STRUCTURAL STEEL Stud Framing Products (IBC / ASTM C955)

Requirement	Code Reference	Specification Requirements	What to Inspect	Compliant
Protective Coating	IBC 2006 / ASTM C955	4.4) Members shall have a protective coating in accordance with Table 1, CP60 Minimum with (4) options: G60, A60, AZ50 or GF30.	Confirm Print String data on Members for Coating Designation	Yes _____ No _____
Metal Thickness	IBC 2006 / ASTM C955	4.2) The minimum steel thickness (G60) shall not be less than 0.0338" for 20 gauge (33mil).	Confirm with Micrometer	Yes _____ No _____
Marking & Identification of Individual Members	ASTM C955	<p>12.2) Individual members shall have a legible label, stencil, embossment at a maximum of 48" on center, on the web of the member, with the following minimum information.</p> <p>12.2.1) The roll formers identification as name, logo or initials.</p> <p>12.2.2) The minimum steel thickness in mils or inches exclusive of the protective coating.</p> <p>12.2.3) The minimum yield strength in ksi.</p> <p>12.2.4) The minimum protective coating designator with Table 1.</p> <p>12.3) Individual members of bundles shall be color-coated in accordance with Table 3.</p>	12.2) Confirm Print String data on Members	Yes _____ No _____
			12.2.1) Example: CRACO	Yes _____ No _____
			12.2.2) Confirm Print String data on Members	Yes _____ No _____
			12.2.3) Example: 50ksi	Yes _____ No _____
			12.2.4) Example: CP60	Yes _____ No _____
			12.3) Confirm Color Painted Ends on Members	Yes _____ No _____
Yield Strength	ASTM A1003	8.1) The mechanical properties of the steel sheet shall conform to the requirements of ST33H, ST37H, ST40H, ST50H. Each of these has a minimum yield strength equal to the number, for example ST33H has a minimum yield requirement of 33ksi.	Confirm Print String data on Member for ksi	Yes _____ No _____
Lateral Wall Bridging Standards	ASTM C1007	Install 1.5" CRC Continuous Horizontal Mechanical Wall Bridging ( <i>or equal</i> ) thru stud punchouts at 48" vertical intervals. Attach mechanical bridging to each stud web with Engineered Clip for Bridging and ends of CRC together with Engineered Splice Connector.	Confirm installation of Engineered Bridging Connectors	Yes _____ No _____
Deflection Allowance Connectors	ASTM C1007	Install Deflection Allowance Connectors at all connection points of steel framing to primary structure.	Confirm installation of Slotted Engineered Deflection Connectors & Deflection Fasteners	Yes _____ No _____
Rigid Connectors	ASTM C1007	Install Rigid Connectors at all points of support where the steel framing is either the primary framing or directly supported by the primary structure.	Confirm installation of Engineered Rigid Connectors.	Yes _____ No _____