

2012 Code Compliance Inspection Checklist - Structural Products
(IBC 2012 references ASTM C955 - 09)



Requirement	Code Reference	Specification Requirements	How to Inspect	Misc.	Compliant	
Protective Coating	IBC 2009 - Table 2506.2 which then directs the user to ASTM C955-09	4.4 Members shall have a protective coating in accordance with Table 1, CP 60 minimum. (Table 1- CP 60 lists 4 options: G60; A60; AZ50; or GF30.)	* Request mfgs. certification * Copper sulfate test to verify use of hot dipped galvanized coating * Elcometer test to measure proper thickness of coating	Copper sulfate reacts black with hot dipped galvanize. Reacts greenish brown with galvanized.	___ yes ___ no	
Base Metal Thickness	IBC 2009 - Table 2506.2 which then directs the user to ASTM C955-09	4.2 The minimum steel thickness (base steel) shall be not less than 0.0329".	* Measure with micrometer	Thickness with G60 coating = 0.0338"	___ yes ___ no	
Marking & Identification (Individual Members)	IBC 2009 - Table 2506.2 which then directs the user to ASTM C955-09	12.2 ...individual members shall have a legible label, stencil, or embossment, at a maximum distance of 96 in.on center, on the web of the member, with the following minimum information:	96" on center repeated pattern		___ yes ___ no	
			Manufacturers name or logo		___ yes ___ no	
		12.2.1 The rollformer's identification (that is, name, logo or initials).				
		12.2.2 The minimum steel thickness, in mils or inches, exclusive of protective coating.	Minimum steel thickness exclusive of coating	Minimum should be 0.0329" If G60 coating overall thickness should be 0.0338"	___ yes ___ no	
		12.2.3 The minimum yield strength in ksi	Minimum yield strength		___ yes ___ no	
		12.2.4 The minimum protective coating weight, shall be indicated with the appropriate coating designator in accordance with Table2.	Minimum coating weight	Product should be marked: G60; A60; AZ50 or GF30	___ yes ___ no	
		12.3 Individual members or bundles of like members shall be color-coated in accordance with Table 3.	Check color coating		___ yes ___ no	
Yield Strength	IBC 2009 - Section 2210.1 which directs the user to the AISI - S200-2007 (General Provisions) which in turn points to ASTM A1003-05	8.1 The mechanical properties of the steel sheet shall conform to the requirements shown in Table 2. Table 2 gives the options 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 33 ksi. All of the options require a minimum 10% elongation.	* Check manufacture's literature * Check marking on the members * Request manufacture's certification	* Only means to verify is through a destructive test ASTM A370	___ yes ___ no	

Notes: 1) Check project specifications - They may have newer versions of ASTM specifications and / or stricter requirements.