

2021 Code Compliance Inspection Checklist - Drywall Products
(IBC 2021 references AISI S220)



Requirement	Code Reference	Specification Requirements	How to Inspect	Miscellaneous	Compliant	
Protective Coating	IBC 2021 - Table 2506.2 which then directs the user to AISI S240	A4.1 Nonstructural members utilized in cold-formed steel framed construction shall have a protective coating conforming to ASTM A653/A653M, G40 minimum or shall have a protective coating with an equivalent corrosion resistance	<ul style="list-style-type: none"> * Request manufacturer's 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 galvanized. Reacts greenish brown with galvanized.	yes	no
Base Steel Thickness	IBC 2021 - Table 2506.2 which then directs the user to AISI S240	A5.1 In no case shall the minimum base steel thickness be less than 95% of the design thickness.	<ul style="list-style-type: none"> * Measure with micrometer * Check manufacturer's literature * Check marking on the members * Request manufacturer's certification 		yes	no
			* Verify proper minimum thickness based on independent test report		yes	no
Marking & Identification (Individual Members)	IBC 2021 - Table 2506.2 which then directs the user to AISI S240	A5.5.2 ...individual members shall have a legible label, stencil, or embossment, at a maximum distance of 96 in. on center, on the member, with the following minimum information:	96" on center repeated pattern		yes	no
		(1) The rollformer's identification (that is, name, logo or initials).	Manufacturer's name or logo		yes	no
		(2) The minimum steel thickness, in mils or inches, exclusive of protective coatings.	Minimum base steel thickness exclusive of coating	Minimum base thickness should be 95% of design thickness.	yes	no
		(3) The minimum yield strength in ksi if other than 33 ksi.	Minimum yield strength (assumed 33 ksi if not marked)		yes	no
		(4) The protective coating type and weight, if other than as specified in Section A4.1.	Minimum coating weight (assumed G40 or equivalent if not marked)		yes	no
		(5) The designation "NS".			yes	no
Yield Strength	IBC 2021 - Section 2211.1 which directs the user to the AISI S240 which in turn points to ASTM A1003	A3 - Mechanical properties defined in ASTM A1003/A1003M are minimum requirements. ASTM A1003 – Table 3 – ST33H 33 minimum (33 ksi min.) 10% elongation.	<ul style="list-style-type: none"> * Check manufacturer's literature * Check marking on the members * Request manufacturer's certification 	* Only means to verify is through a destructive test ASTM A370	yes	no