

**2018 Code Compliance Inspection Checklist - Drywall Products**  
**(IBC 2018 references AISI S220)**



Requirement	Code Reference	Specification Requirements	How to Inspect	Misc.	Compliant
<b>Protective Coating</b>	IBC 2018 - Table 2506.2 which then directs the user to AISI S220	A5.1 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"> <li>* Request manufacturer's certification</li> <li>* Copper sulfate test to verify use of hot dipped galvanized coating</li> <li>* Elcometer test to measure proper thickness of coating</li> </ul>	Copper sulfate reacts black with hot dipped galvanized. Reacts greenish brown with galvanized.	Yes No
<b>Base Steel Thickness</b>	IBC 2018 - Table 2506.2 which then directs the user to AISI S220	A6.1 In no case shall the minimum base steel thickness be less than 95% of the design thickness	<ul style="list-style-type: none"> <li>* Measure with micrometer</li> <li>* Check manufacturer's literature</li> <li>* Check marking on the members</li> <li>* Request manufacturer's certification</li> <li>* Verify proper minimum thickness based on independent test report</li> </ul>		Yes No  Yes No
<b>Marking &amp; Identification (Individual Members)</b>	IBC 2018 - Table 2506.2 which then directs the user to AISI S220	A6.5.2 ...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: (1) The rollformer's identification (that is, name, logo or initials). (2) The minimum steel thickness, in mills or inches, exclusive of protective coatings. (3) The minimum yield strength in ksi if other than 33 ksi. (4) The protective coating type and weight, if other than as specified in Section A5.1. (5) The designation "NS".	96" on center repeated pattern		Yes No
			Manufacturer's name or logo		Yes No
			Minimum base steel thickness, exclusive of coating	Minimum base thickness should be 95% of design thickness.	Yes No
			Minimum yield strength (assumed 33 ksi if not marked)		Yes No
			Minimum coating weight (assumed G40 or equivalent if not marked)		Yes No
<b>Yield Strength</b>	IBC 2018 - Section 2211.2 which directs the user to the AISI S220	A4 Nonstructural members utilized in cold-formed steel framed construction shall be cold-formed to shape from steel complying with the requirements of ASTM A1003/A1003M. ASTM A1003 – Table 3 – NS 33 minimum (33ksi min.). There are no elongation (ductility) requirements.	<ul style="list-style-type: none"> <li>* Check manufacturer's literature</li> <li>* Check marking on the members</li> <li>* Request manufacturer's certification</li> </ul>	* Only means to verify is through a destructive test ASTM A370	Yes No