

BONDING OF METAL CLAD BUILDINGS

Question:

I have a wood frame building [shop] that has an overhead service with a metal roof and complete metal clad siding. Rule 10-406-1 refers you to appendix B that mentions bonding of structural metal only. Also Rule 70-126 requires the bonding of the roof and siding. There is no requirement of bonding a metal [siding] building and it would make sense to me since we ask for the bonding of all other major metal parts in installations. The potential of the siding becoming energized exists and therefore bonding should be addressed.

Answer:

Philosophically, I agree with you. However, when this question has come up before I have advised inspectors to **make it a recommendation only**, because I cannot find a Code rule to back up the requirement to Bond the siding.

Buildings or structures that would require Bonding of their metal siding appear to be limited to those housing livestock, those in stations, and those metal clad structures pursuant to Section 70.

Another rule that comes close is 10-406 (Appendix B note) which appears to recommend bonding “metal building structural material”. It is only a recommendation though; the rule makes no mention of bonding structural metal.

So, the short winded version is that except for specific circumstances the most that maybe required is to recommend that the metal siding be bonded **but there is no basis in Code to reject an installation if the siding is not bonded to ground.**