



# Oil Canning Acknowledgement

Oil canning is defined as a visual waviness in the flat area of metal panels. Before McElroy Metal Standing Seam, Marquee-Lok and FW products are manufactured, all individuals and companies involved with a project need to be familiar with the phenomenon of oil canning.

Many factors can contribute to the degree of natural and unnatural oil canning, including deflection due to thermal movement, misaligned substrates or framing and improperly aligned fasteners. Deformation of the panel caused by improper installation or substrate should be addressed by the appropriate contractor. The type of panel surface specified is an important design consideration. To reduce the appearance of oil canning, there are three primary panel surfaces used for metal roofing products: ribbed, striated and plank & pencil ribs. Please refer to the McElroy Pan Condition Options form for complete details.

Striating a panel consists of roll forming gentle "waves" into the panel surface. These waves break up the flat area of the panel surface and help reduce the appearance of oil canning. For this reason, striated surfaces have become the preferred style of metal roofing for architects, developers and roofing contractors. McElroy Metal also offers a plank & pencil rib option for 238T and 138T panels as shown below. McElroy Metal also offers a striations option that is typically used on the Maxima panels. Also, choosing heavier gauge steel will often lessen the appearance of oil canning. The illustrations below show panels with plank & pencil ribs, striations and minor ribs.



By signing this document, all parties acknowledge that oil canning is an inherent property of metal panels and is not cause for panel rejection. In addition, all parties acknowledge that panels with striations or plank & pencil rib are the preferred pan condition to lessen the appearance of oil canning. Signing this document does NOT waive any rights or responsibilities of the architect, contractor or the manufacturer. Panels that do not meet product quality specifications as published by McElroy Metal will be addressed per our standard policies and procedures. This document does not waive any obligation by McElroy Metal to meet that requirement. McElroy Metal asks their customers to inform them immediately if they deem there is excessive oil canning prior to starting installation of the product. This will allow all parties to review the cause of the oil canning on the project. This document is an effort to address this issue in the early stages of a project.

Our goal is that all parties work together to minimize the consequences of not addressing this issue up front. Please contact a McElroy Representative for specific information.

**Please note the pan condition for this job on your purchase order.**

\_\_\_\_\_ Customer Name & Account #

\_\_\_\_\_ Architect Signature

\_\_\_\_\_ Architect Name - please print

\_\_\_\_\_ Owner Signature

\_\_\_\_\_ Owner Name - please print

\_\_\_\_\_ Installer Signature

\_\_\_\_\_ Installer Name - please print

McElroy SO #	Sign & Return to:
Customer P.O. #	Fax Number:
<small>To be completed by McElroy Metal</small>	

Click on this link <http://www.mcelroymetal.com/elements/files/OilCanningTechSheetfromMCA.pdf> for more information

**Note: The Backer Rod is not by McElroy Metal**