OIL CANNING (PAN WAIVE) ACKNOWLEDGEMENT

Oil canning, or pan waive, is defined as a visual waviness in the flat area of a metal panel. **OIL CANNING IS NOT A CAUSE FOR REJECTION.**

Before Metroll standing seam products are manufactured, all individuals and companies involved need to be familiar with the phenomenon of oil canning and recognize that it is not a cause for rejection. While many factors can contribute to the degree of natural and unnatural pan wave, some major contributors include deflection due to thermal movement, misaligned substrates or framing, and improperly aligned fasteners. Therefore, the type of surface specified is an important design consideration.

There are two primary panel surfaces used for metal roofing productions: flat pan and striated. Striating a panel surface consists of roll forming gentle "waives" in the panel surface. These waves break up the flat area of the panel surface and help reduce the appearance of pan wave. For this reason, striated surfaces have become the preferred style of metal roofing for architects, developers and roofing contractors. Choosing heavier gauge steel will typically improve the results of the appearance of pan wave as well. An example of a striated panel is shown below:

By signing this document, all parties acknowledge that pan waive or oil-canning is an inherent property of metal panels and is not cause for panel rejection. In addition, all parties understand and acknowledge that striated panels are the preferred pan condition to lessen the appearance of pan wave and that flat pan may result in a greater appearance of pan wave.

_____ _____

CUSTOMER NAME REPRESENTATIVE SIGNATURE

_____ _____

DATE REPRESENTATIVE NAME (PRINT)

FLAT or STRIATED

_____ _____

PAN FINISH (CIRCLE ONE) REPRESENTATIVE TITLE