



SKILLED CRAFTERS OF METAL ROOFING SYSTEMS

# OIL CANNING

It's a natural phenomenon that occurs in all types of metals

## Going Above and Beyond the Roof Educating Customers

Oil canning is the inherent wave-like, rippling or buckling appearance of sheet metal. The degree of the waviness tends to change under different natural lighting conditions and varies by metal type.

There are many factors that contribute to the look of wavy panels including metal thickness, design considerations such as panel color and finish, as well as panel width. Thermal movement, the natural process of metal panel expansion and contraction due to changing surface temperatures can create oil canning at certain times of the day. Other conditions such as the season, the angle at which sunlight strikes panels and where you might be standing can all have an impact on what the eye sees at any given moment. Additionally, other circumstances that can lead to visual waviness include an uneven or misaligned substructure which should be addressed by the appropriate contractor prior to installing any roofing materials.

## Choices that Can Reduce Appearance of Oil Canning

While it is unrealistic to expect any architectural roof or similar wide-metal element to be totally free of some degree of oil canning, there are design choices you can make to reduce the appearance of waviness in your metal roofing system. The following considerations are highly recommended:

- Thicker Metal Gauge
- Narrow Panel Width
- Ribbed Panels, Pencil or Ribbon Beads, or Striations
- Lighter Color and Non-Metallic Panel Texture

### FLAT PANEL AND STRIATION WAIVER<sup>1</sup>

Oil canning is a common and unavoidable phenomenon in metal roofing and wall panels. We are dedicated to providing you with honest answers about oil canning so you get the best end product possible. By signing this document, you understand and accept that oil canning is an inherent property of metal panels, is not a cause for panel rejection and that flat areas of metal panels will show the greatest amount of waviness. You further acknowledge and accept that ribbed panels, panels with striations, pencil beads, or ribbon beads are options that are highly recommended and have been made available to you, and that \_\_\_\_\_ and its supplier Extreme Metal Fabricators LLC will not be held responsible for or replace any material as a result of oil canning of any magnitude.

<sup>1</sup>Acceptance of this document is required prior to ordering of materials for all flat panel orders or at the request of your contractor. By signing below, you acknowledge that you have read and understand this important information and have waived all claims against \_\_\_\_\_ and/or Extreme Metal Fabricators LLC resulting from oil canning.

Home/Building Owner Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name \_\_\_\_\_

Project Address \_\_\_\_\_

Roofing Contractor Name \_\_\_\_\_