Measure Twice.

Everyone knows the importance of accurate measurements. No one wants to waste the time or suffer through the confusion and frustration that improper measurements can cause. We've quizzed our engineers and asked them to draw up a list of easily made mistakes, errors and goofs along with ways in which to avoid them. This list should help you get a clearer understanding on gathering the measurements we need to deliver a quality product to you.

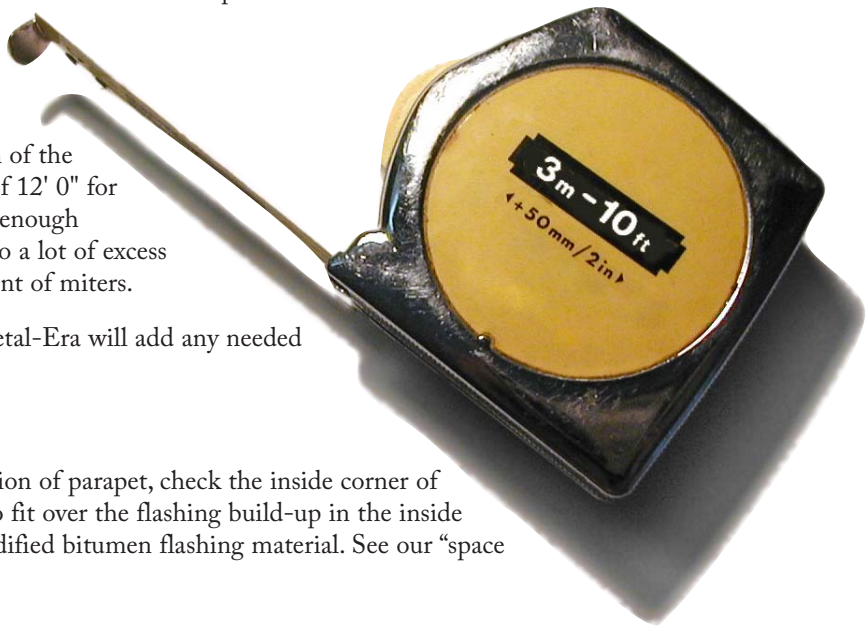
GENERAL

❑ Make sure one measures from the top of the nailer down to the appropriate coverage then add the appropriate height above the wall for the product (2" for Perma-Tite System 200 fascia, 1⅜" for tapered Perma-Tite coping, etc.) to get the correct face height. Don't use the dimensions from the architectural drawings.

❑ Don't assume wall panels or brick will be installed to the bottom of the nailers as detailed. Wait until installation and then field verify.

❑ Before measuring, get agreement with the contractor to measure the perimeter of the roof one of the following two ways.

1. Add 10% to the LF quantity totals for each product as a fudge factor.
2. After measuring each corner-to-corner length of the building, round-up to the nearest increment of 12' 0" for each category of product. This will guarantee enough material, but be mindful that this could lead to a lot of excess material for roofs with an extraordinary amount of miters.



❑ Measure the exact substrate dimensions, and Metal-Era will add any needed allowances for fit.

COPING

❑ After measuring the widest wall width on a section of parapet, check the inside corner of the outside miters to see the clearance needed to fit over the flashing build-up in the inside corners. This is especially true for BUR and modified bitumen flashing material. See our "space maker" miter detail for more information.

SPECIAL CONDITIONS

❑ Templates are often distorted and can be damaged or lost in transit. We highly recommend using our measuring kit for radius measurements.

❑ When measuring the angle of a non 90º miter, measure 24" along each leg of the corner, then measure the distance between these two points. Complete and return the worksheet included in the measuring kit, and Metal-Era will make the final calculations.

❑ Frequently a radius is confused with an arch. A radius is a horizontal curve or a curve as seen in plan view. An arch is a vertical curve or a curve as seen in an elevation view. See the Metal-Era measuring kit for worksheets, tools and instructions to properly field measure the radius of the curve.

DON'T FORGET

❑ **Always request a free Metal-Era Measuring Kit for many helpful worksheets, tools and tips.**

❑ **Always check your latest tech manual for measuring instructions. Tech manuals are available at www.metalera.com.**

When unique situations arise, call Metal-Era at 800-558-2162 and we'll be happy to help you.

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