

SERIOUS
PERFORMANCE
THROUGH

SUPERIOR DESIGN

Take ownership of the latest
roofing technology in the
construction industry



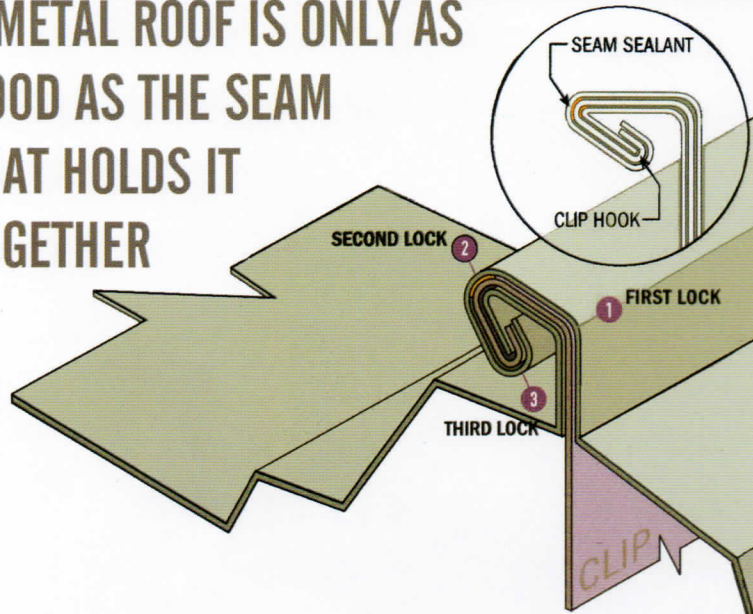
DEAN
STEEL BUILDINGS, INC.

Pro Lok

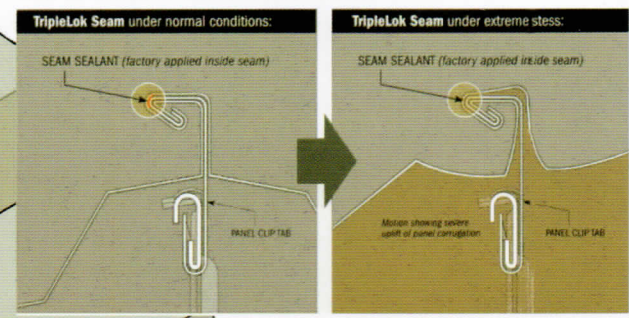
The Strongest Most Dependable
Standing Seam Roof
on the market

IT ALL BEGINS WITH A REVOLUTIONARY SEAM

A METAL ROOF IS ONLY AS GOOD AS THE SEAM THAT HOLDS IT TOGETHER



THE PATENTED TRIPLELOK™ SEAM



INTRODUCING A NEW AGE OF STANDING SEAM METAL ROOFING

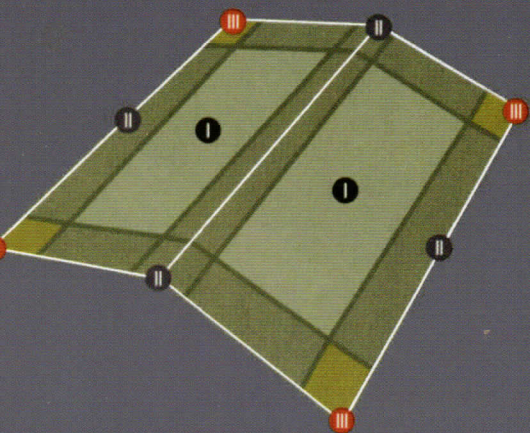
ABOVE AND BEYOND THE REST

Recent changes in wind uplift resistance requirements and testing methods have called for a new approach to roof performance.

And while other manufacturers continue to react to these changes by refitting their existing roof systems with "band-aid" solutions, we have invested in a totally new patented method and technology that is specifically designed to meet and exceed these new requirements.

The breakthrough technology behind our seaming system is the reason our metal roof is the best in its class for performance, reliability and cost efficiency.

Our proven patented seam panel system provides superior wind and weather protection under all roof loading conditions. The seam geometry and seaming methods virtually assure that your installed roof will perform as it was designed at minimum cost.



Standard industry wind tunnel test on various roof configurations have shown that the wind loading on a roof is divided into three zones:

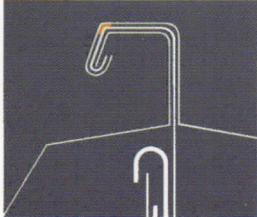
- Zone I : Lowest Load - Main field of the roof (about 80% of the roof area)
- Zone 2: Next Higher Load - area around the perimeter of the roof (about 15%)
- Zone 3: Highest Load - at each corner of the roof (about 5% of the roof area)

Other roof systems accommodate these various wind load zones by either one or a combination of the following: reduced purlin spacing, thicker panel material, reduced panel width, or exterior clamps. All of these methods call for increased materials and added complexity during installation.

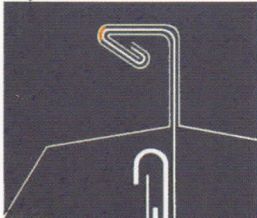
Our patented system accommodates all three zones - simply and efficiently - by executing one of three seaming shapes, thus saving time and money.

DEPENDABLE ROOF PERFORMANCE

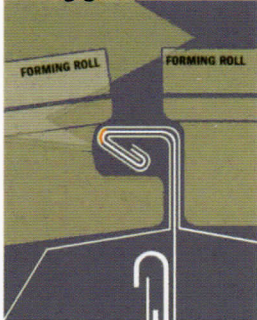
RollLok



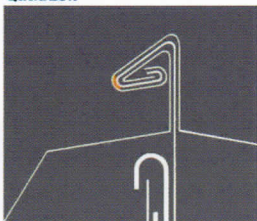
TripleLok



Roll Engagement



QuadLok



During installation, the first of the seam hooks engages automatically locking the panels and the roof structure together.

The **RollLok seam** is accomplished by easily and quickly hand seaming the seam at each clip. This will provide an allowable wind uplift of 32 psf.*

1. Provides superior water resistance than conventional "double lock" seams by isolating seam sealant from dislodgement or separation during severe wind loading.
2. Simple installation: all that is required is one rotation of the hand seamer at each clip to lock the panel to the roof structure.
3. It can be installed faster than snap-together seams.

The **TripleLok seam** is accomplished by seaming the entire seam with a seamer. This seam will provide an allowable wind uplift of 56 psf.*

1. It's the only seam on the market to use the 360° + 90° seam which:
 - A. Structurally isolates the seam from the effects of severe wind loading by placing load resisting bends between the seam and the clip hook and the stresses of panel deflection.
 - B. Isolates the seam sealant from dislodgement or separation during severe wind loading, thereby assuring a water resistant seam throughout the life of the roof.

2. Simple installation: all that is required is the placement of the electrical seaming machine on the seam to begin the seaming process.

The **QuadLok seam** is only required in extremely high wind areas such as coastal regions. This seam is accomplished by seaming the special roof zones with an electrical seamer. This seam will provide an allowable uplift load of 64 psf * (or 120 psf over a 2' 6" purlin space).

By using the QuadLok seam high wind loading can be attained without the use of clamps and brackets that most other systems require to meet the zone 3 uplift loads.

The QuadLok is the only seam on the market that provides higher uplift resistance with a 24 gauge panel than all other roof systems using 22 gauge panels.

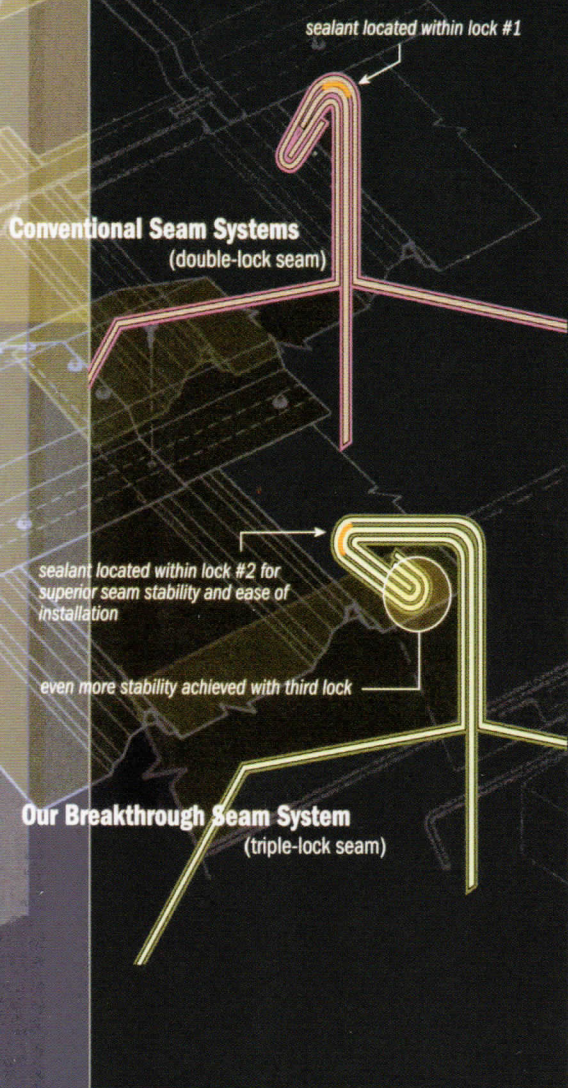
** when seamed with a 24 gauge panel over 5'-0" purlin spacing*

All the above seams and load tolerances are calculated in accordance with AISI, using ASTM E 1592 tests.

BOTTOM-LINE RESULT:

In almost every case your entire roofing system is accomplished with one consistent, purlin spacing, one panel size and one clip throughout.

The PRO-LOK Roof system has the ability to resist three separate roof zone loads at three areas on the roof by selecting the appropriate seaming method to meet the uplift for that zone. The result is lower overall cost for both materials and installation man-hours.



BELIEVE IT OR NOT

When you look at most metal roofs on the market today you're looking at systems that rely on technology that's over 30 years old.

It's a fact that the design of existing standing seam roof systems has not been fundamentally upgraded since 1969 - when assumptions about wind resistance and expected roof performance were severely undercalculated compared to what we know today.

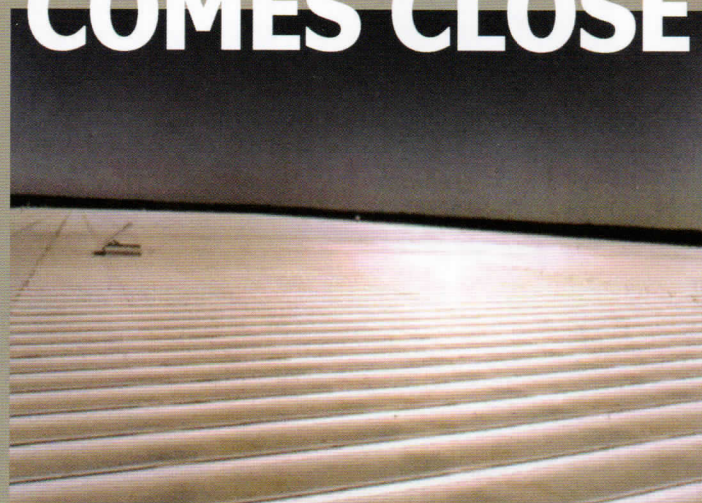
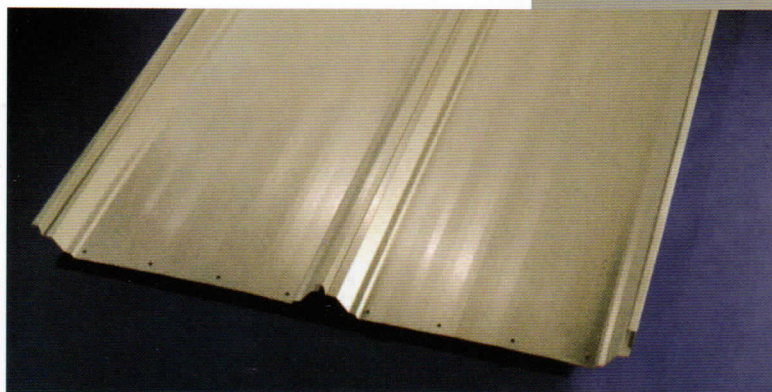
OUR SYSTEM IS DIFFERENT

We've used the latest technology available to develop a metal roof system that's designed for tomorrow - with components and techniques that outperform others by specifically addressing current and anticipated building codes and roofing requirements.

With steel panels that are designed to last, innovative clips that add stability while allowing for thermal expansion and contraction, and a patented seaming system that's designed to handle even the most stringent uplift requirements - our system truly is above and beyond the rest.

Proof of this superior performance can be found by reviewing our FM Class 1-90 listing, UL 580 Class 90 listing and ASTM test results.

NO OTHER ROOF COMES CLOSE



DEAN STEEL BUILDINGS INC.

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A NUMBER OF ADVANCED FEATURES COMBINE TO MAKE THIS METAL ROOFING SYSTEM THE BEST IN ITS CATEGORY.